

EASTRIDGE TO BART REGIONAL CONNECTOR PROJECT CAPITOL LIGHT RAIL EXTENSION

PLANS – VOLUME 2: GUIDEWAY STRUCTURE

PROJECT ADMINISTERED BY:



DESIGNED BY:

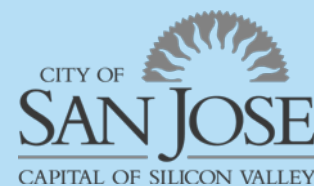
BKF ENGINEERS
1730 N 1st Street #600
San Jose, CA 95112

95% Design

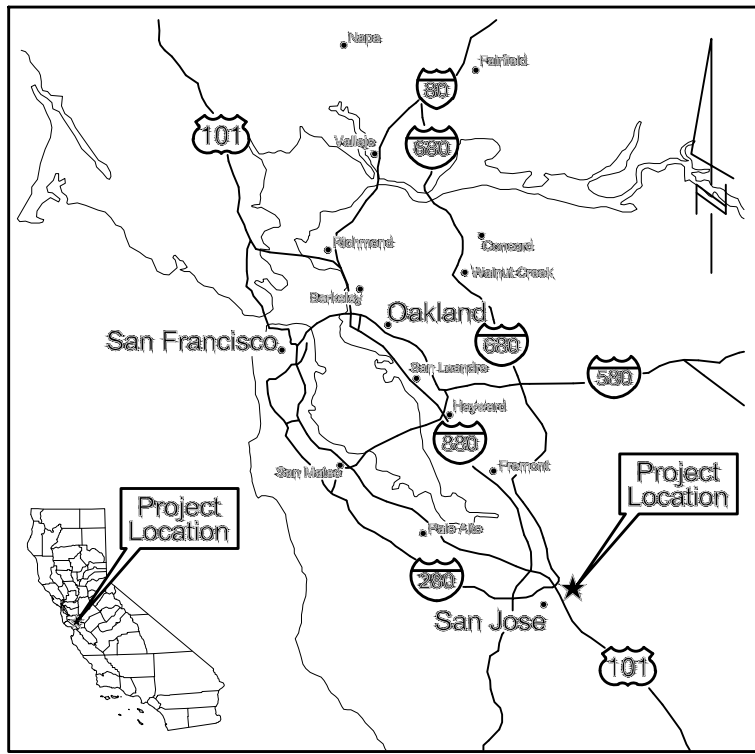
June 30, 2020

EC202006-0134

PARTICIPATING AGENCIES:



Solutions that move you



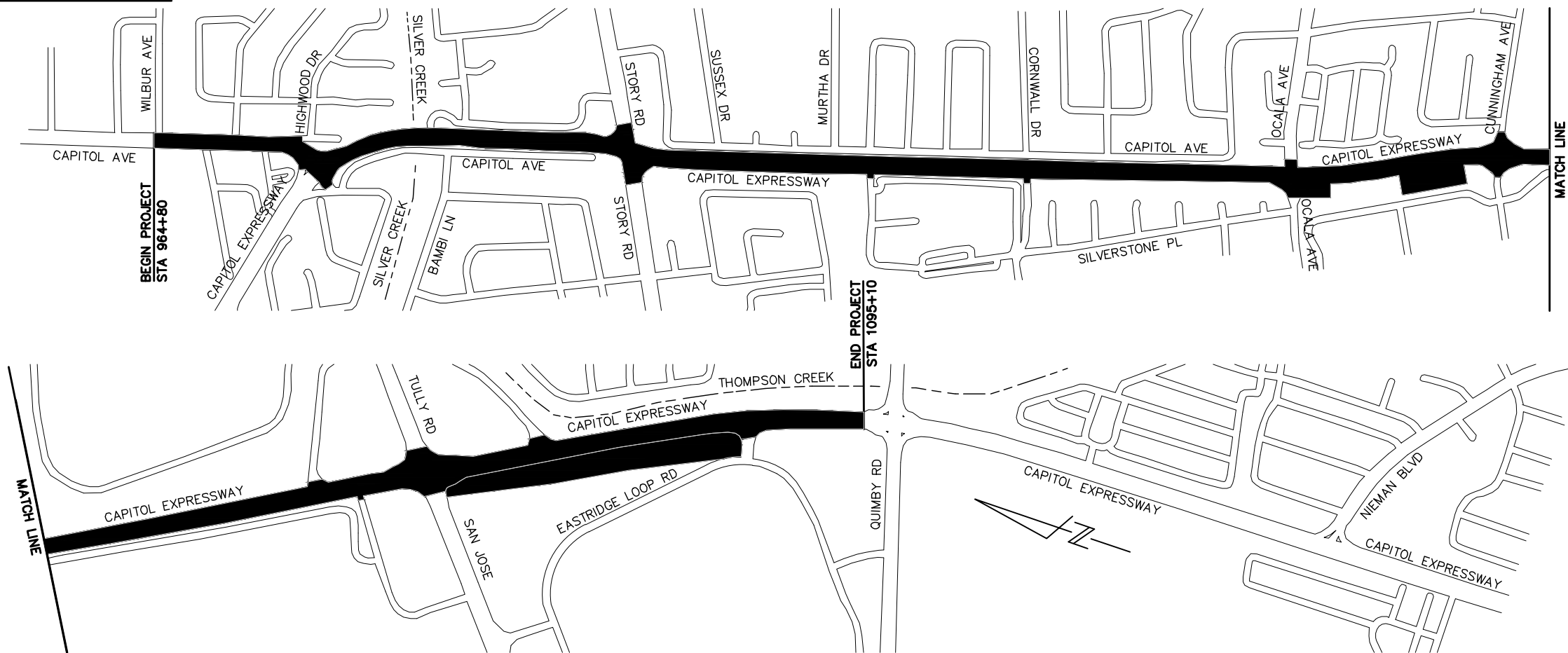
PROJECT LOCATION

SANTA CLARA VALLEY TRANSPORTATION AUTHORITY
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

WILBUR AVENUE TO QUIMBY ROAD

VOLUME 1

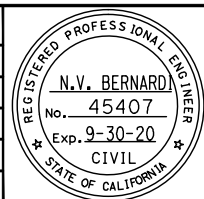
CIVIL
 TRACK
 LANDSCAPE



PROJECT SITE MAP

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

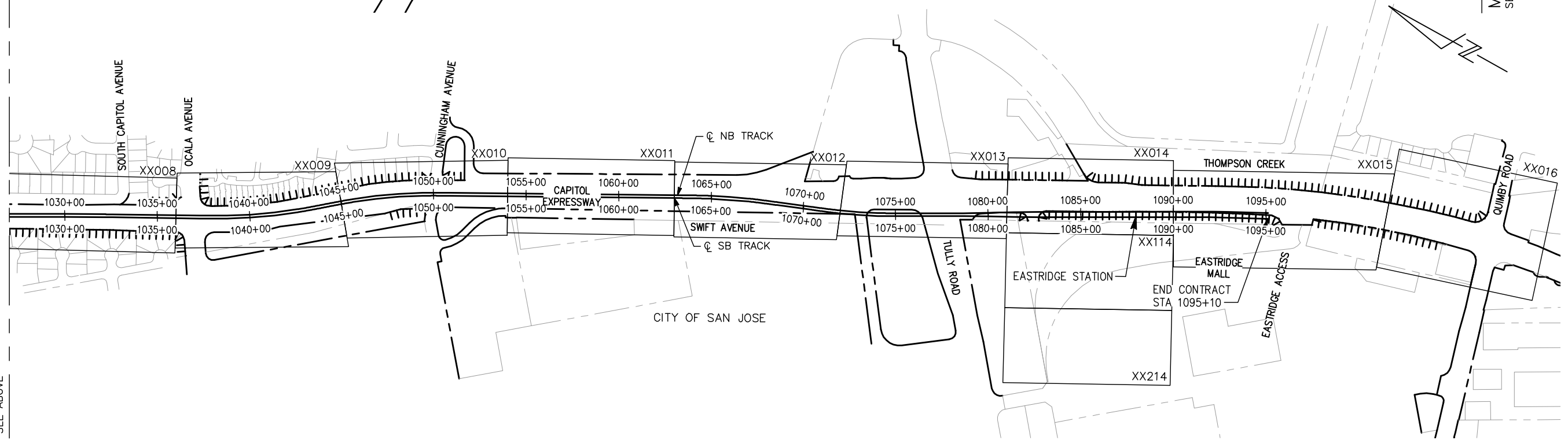
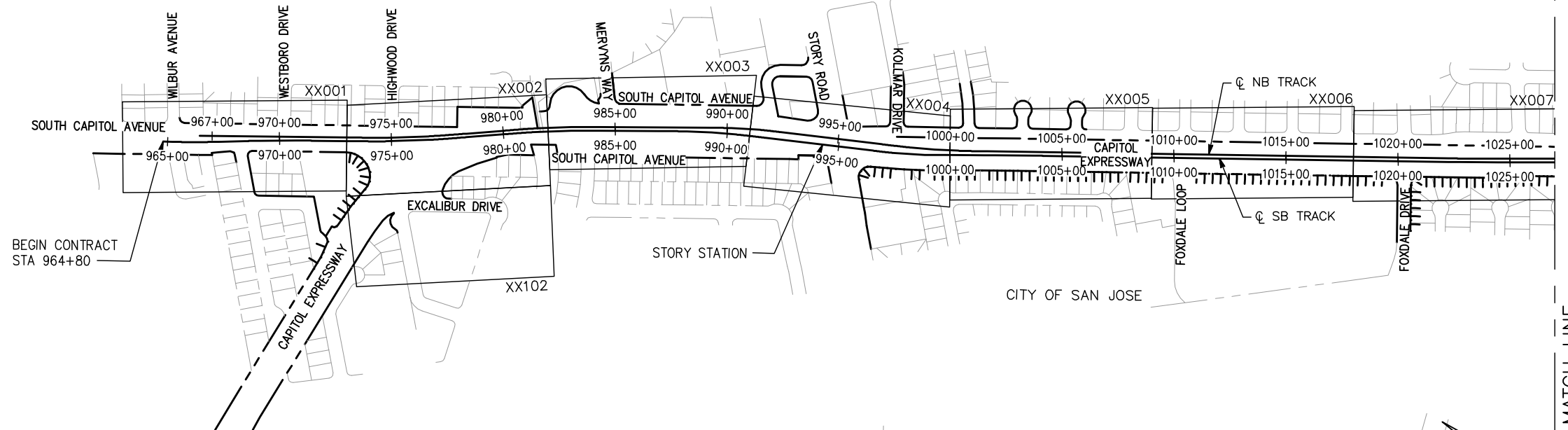


SUBMITTED	
DESIGNED	CHECKED
C. Chi	M. Cosentino
DRAWN	CADD FILE NAME
A. Hernandez	801GN001.dwg



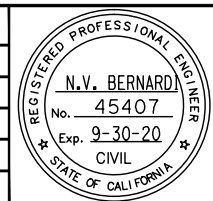
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CADD FILE DATE	SCALE
06/26/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			OF
GENERAL			DRAWING NO.
TITLE			GN001
			REVISION
			C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



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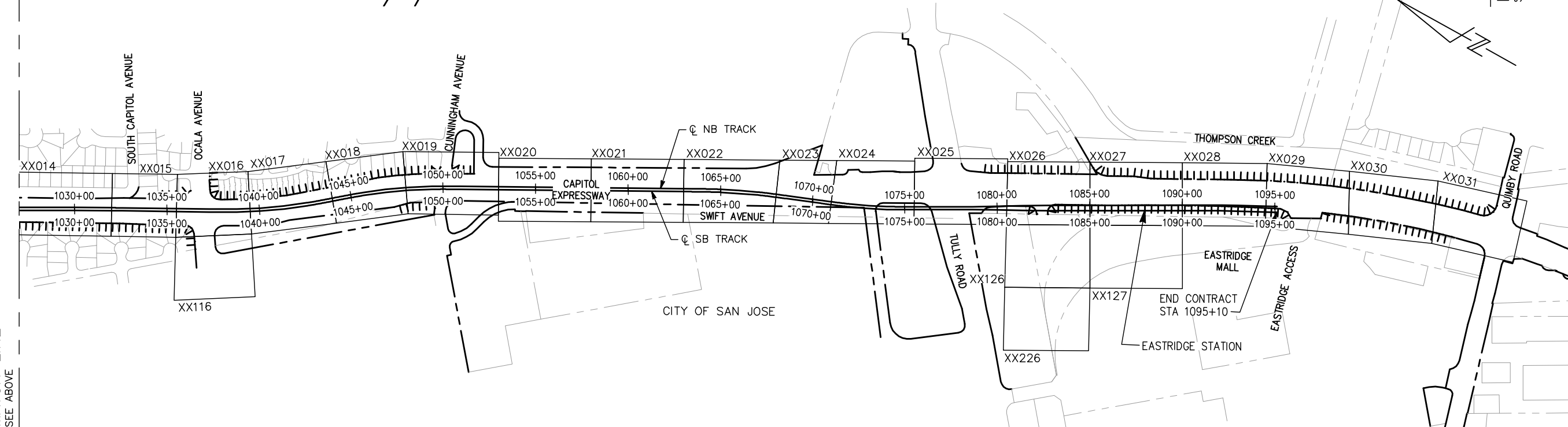
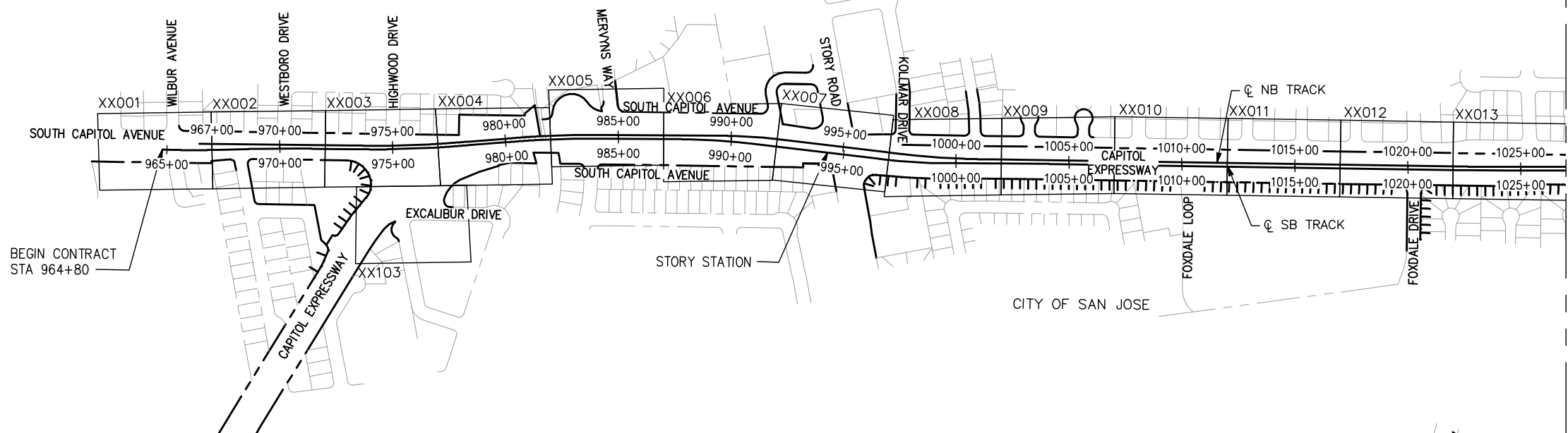
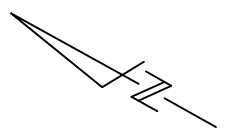
SUBMITTED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 DESIGNED: C. Chi
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 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN002.dwg

Santa Clara Valley
Transportation Authority

APPROVED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS
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 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL KEYMAP
 40 - SCALE
 PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	GN002
DRAWING NO.	GN002
REVISION	C

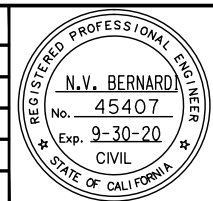


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CADD FILE NAME: 801GN003.dwg

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YEARS
ENGINEERS / SURVEYORS / PLANNERS

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SUBMITTAL DATE: 06/29/20
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EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
KEYMAP
20 - SCALE

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	GN003
REVISION	C

VOLUME 1
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BRT OCALA STATION

GENERAL
TITLE SHEET
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INDEX OF DRAWINGS
GENERAL ABBREVIATIONS
GENERAL LEGEND

CIVIL

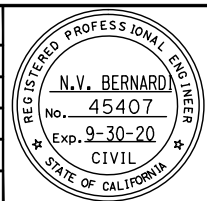
PLAN
DETAILS

STRUCTURAL

DESIGN CRITERIA
PLAN & ELEVATION
FOUNDATION DETAILS

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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SUBMITTED

 DESIGNED: C. Chi
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 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN004.dwg



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 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 DESIGN DRAWING VOLUMES
 LAYOUT AND ORGANIZATION

PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
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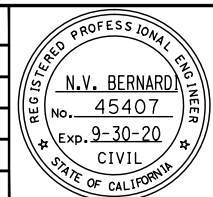
SHEET OF	
DRAWING NO.	GN004
REVISION	C

DRAWING INDEX VOLUME 1

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
GENERAL											
1	GN001	C	GENERAL - TITLE	54	CX003	C	CIVIL - TYPICAL ROADWAY SECTIONS - SB STA 981+92.25 TO STA 994+09.62	112	CP016	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1035+50 TO STA 1039+50
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE	55	CX004	C	CIVIL - TYPICAL ROADWAY SECTIONS - SB STA 995+65.64 TO STA 1028+58.36	113	CP116	C	CIVIL - STREET IMPROVEMENT PLAN - OCALA AVENUE
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE	56	CX005	C	CIVIL - TYPICAL ROADWAY SECTIONS - SB STA 1028+58.36 TO STA 1045+02.72	114	CP017	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1039+50 TO STA 1044+00
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION	57	CX006	C	CIVIL - TYPICAL ROADWAY SECTIONS - SB STA 1045+02.72 TO STA 1052+98.69	115	CP018	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1044+00 TO STA 1048+00
5	GN005	C	GENERAL - SHEET INDEX - 1 - VOLUME 1 (1 OF 4)	58	CX007	C	CIVIL - TYPICAL ROADWAY SECTIONS - SB STA 1052+98.69 TO CS STA 76+63.25	116	CP019	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1048+00 TO STA 1053+00
6	GN006	C	GENERAL - SHEET INDEX - 2 - VOLUME 1 (2 OF 4)	59	CX008	C	CIVIL - TYPICAL ROADWAY SECTIONS - CS STA 78+50.38 TO STA 95+89.40	117	CP020	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1053+00 TO STA 1058+00
7	GN007	C	GENERAL - SHEET INDEX - 3 - VOLUME 1 (3 OF 4)	60	CRO01	C	CIVIL - DEMOLITION PLAN - STA 964+80 TO STA 967+00	118	CP021	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1058+00 TO STA 1063+00
8	GN008	B	GENERAL - SHEET INDEX - 4 - VOLUME 1 (4 OF 4)	61	CRO02	C	CIVIL - DEMOLITION PLAN - STA 967+00 TO STA 972+00	119	CP022	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1063+00 TO STA 1068+00
9	GN009	B	GENERAL - SHEET INDEX - 5 - VOLUME 2 (1 OF 3)	62	CRO03	C	CIVIL - DEMOLITION PLAN - STA 972+00 TO STA 977+00	120	CP023	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1068+00 TO STA 1071+00
10	GN010	B	GENERAL - SHEET INDEX - 6 - VOLUME 2 (2 OF 3)	63	CR103	C	CIVIL - DEMOLITION PLAN - EXCALIBUR DRIVE	121	CP024	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1071+00 TO STA 1075+50
11	GN011	B	GENERAL - SHEET INDEX - 7 - VOLUME 2 (3 OF 3)	64	CRO04	C	CIVIL - DEMOLITION PLAN - STA 977+00 TO STA 982+00	122	CP025	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1075+50 TO STA 1080+50
12	GN012	B	GENERAL - SHEET INDEX - 8 - VOLUME 3 (1 OF 2)	65	CRO05	C	CIVIL - DEMOLITION PLAN - STA 982+00 TO STA 987+00	123	CP026	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1080+50 TO STA 1085+00
13	GN013	B	GENERAL - SHEET INDEX - 9 - VOLUME 3 (2 OF 2)	66	CRO06	C	CIVIL - DEMOLITION PLAN - STA 987+00 TO STA 992+00	124	CP126	C	CIVIL - STREET IMPROVEMENT PLAN - EASTRIDGE LOOP
14	GN014	B	GENERAL - SHEET INDEX - 10 - VOLUME 4 (1 OF 4)	67	CRO07	C	CIVIL - DEMOLITION PLAN - STA 992+00 TO STA 997+00	125	CP226	A	CIVIL - STREET IMPROVEMENT PLAN - EASTRIDGE LOOP - 02
15	GN015	B	GENERAL - SHEET INDEX - 11 - VOLUME 4 (2 OF 4)	68	CRO08	C	CIVIL - DEMOLITION PLAN - STA 997+00 TO STA 1002+00	126	CP027	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1085+00 TO STA 1090+00
16	GN016	B	GENERAL - SHEET INDEX - 12 - VOLUME 4 (3 OF 4)	69	CRO09	C	CIVIL - DEMOLITION PLAN - STA 1002+00 TO STA 1007+00	127	CP127	B	CIVIL - STREET IMPROVEMENT PLAN - EASTRIDGE LOOP - 03
17	GN017	A	GENERAL - SHEET INDEX - 13 - VOLUME 4 (4 OF 4)	70	CRO10	C	CIVIL - DEMOLITION PLAN - STA 1007+00 TO STA 1012+00	128	CP028	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1090+00 TO STA 1094+50
18	GN018	A	GENERAL - SHEET INDEX - 14 - VOLUME 5	71	CRO11	C	CIVIL - DEMOLITION PLAN - STA 1012+00 TO STA 1017+00	129	CP029	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1094+50 TO STA 1095+10
19	GN019	C	GENERAL - ABBREVIATIONS - 1	72	CRO12	C	CIVIL - DEMOLITION PLAN - STA 1017+00 TO STA 1022+00	130	CP030	C	CIVIL - STREET IMPROVEMENT PLAN - TO QUIMBY ROAD
20	GN020	C	GENERAL - ABBREVIATIONS - 2	73	CRO13	C	CIVIL - DEMOLITION PLAN - STA 1022+00 TO STA 1027+00	131	CP031	C	CIVIL - STREET IMPROVEMENT PLAN - QUIMBY ROAD
21	GN021	C	GENERAL - ABBREVIATIONS - 3	74	CRO14	C	CIVIL - DEMOLITION PLAN - STA 1027+00 TO STA 1032+00	132	CP501	B	CIVIL - STREET IMPROVEMENT PLAN - CURVE TABLES - 1
22	GN022	C	GENERAL - ABBREVIATIONS - 4	75	CRO15	C	CIVIL - DEMOLITION PLAN - STA 1032+00 TO STA 1035+50	133	CP502	B	CIVIL - STREET IMPROVEMENT PLAN - CURVE TABLES - 2
23	GN023	C	GENERAL - ABBREVIATIONS - 5	76	CRO16	C	CIVIL - DEMOLITION PLAN - STA 1035+50 TO STA 1039+50	134	CP503	B	CIVIL - STREET IMPROVEMENT PLAN - CURVE TABLES - 3
24	GN024	C	GENERAL - LEGEND - 1	77	CR116	C	CIVIL - DEMOLITION PLAN - OCALA AVENUE	135	CD001	C	CIVIL - CONSTRUCTION DETAILS - 1
25	GN025	C	GENERAL - LEGEND - 2	78	CRO17	C	CIVIL - DEMOLITION PLAN - STA 1039+50 TO STA 1044+00	136	CD002	C	CIVIL - CONSTRUCTION DETAILS - 2 - ISLAND PASSAGEWAYS
26	GN026	C	GENERAL - LEGEND - 3	79	CRO18	C	CIVIL - DEMOLITION PLAN - STA 1044+00 TO STA 1048+00	137	CD003	C	CIVIL - CONSTRUCTION DETAILS - 3 - OCALA TPSS #33
27	GN027	C	GENERAL - LEGEND - 4	80	CRO19	C	CIVIL - DEMOLITION PLAN - STA 1048+00 TO STA 1053+00	138	CD004	C	CIVIL - CONSTRUCTION DETAILS - 4 - EASTRIDGE TPSS #34
28	GN030	C	GENERAL - CONSTRUCTION STAKING SURVEY CONTROL	81	CRO20	C	CIVIL - DEMOLITION PLAN - STA 1053+00 TO STA 1058+00	139	CD005	C	CIVIL - CONSTRUCTION DETAILS - 5 - EAST STORY STATION
29	GN031	C	GENERAL - CONSTRUCTION STAKING SURVEY CONTROL - STA 964+80 TO STA 1013+50	82	CRO21	C	CIVIL - DEMOLITION PLAN - STA 1058+00 TO STA 1063+00	140	CD006	C	CIVIL - CONSTRUCTION DETAILS - 6 - KOLLMAR DR & WEST STORY STATION
30	GN032	C	GENERAL - CONSTRUCTION STAKING SURVEY CONTROL - STA 1013+50 TO STA 1063+50	83	CRO22	C	CIVIL - DEMOLITION PLAN - STA 1063+00 TO STA 1068+00	141	CD007	C	CIVIL - CONSTRUCTION DETAILS - 7 - CONSTRUCTION STAGING AREA
31	GN033	C	GENERAL - CONSTRUCTION STAKING SURVEY CONTROL - STA 1063+50 TO STA "CS" 109+66	84	CRO23	C	CIVIL - DEMOLITION PLAN - STA 1068+00 TO STA 1071+00	142	CD008	B	CIVIL - CONSTRUCTION DETAILS - 8 - LOMBARD AVE, HIGHWOOD DR & EASTRIDGE MALL
				85	CRO24	C	CIVIL - DEMOLITION PLAN - STA 1071+00 TO STA 1075+50	143	CD009	B	CIVIL - CONSTRUCTION DETAILS - 9 - CAPITOL EXPRESSWAY & CAPITOL AVE
				86	CRO25	C	CIVIL - DEMOLITION PLAN - STA 1075+50 TO STA 1080+50	144	CD010	B	CIVIL - CONSTRUCTION DETAILS - 10 - CAPITOL EXPRESSWAY & STORY RD
				87	CRO26	C	CIVIL - DEMOLITION PLAN - STA 1080+50 TO STA 1085+00	145	CD011	B	CIVIL - CONSTRUCTION DETAILS - 11 - RAISED MEDIANS
				88	CR126	C	CIVIL - DEMOLITION PLAN - EASTRIDGE LOOP	146	CD012	B	CIVIL - CONSTRUCTION DETAILS - 12 - CAPITOL EXPRESSWAY & OCALA AVE
				89	CR226	A	CIVIL - DEMOLITION PLAN - EASTRIDGE LOOP - 02	147	CD013	B	CIVIL - CONSTRUCTION DETAILS - 13 - CAPITOL EXPRESSWAY & CUNNINGHAM AVE
				90	CRO27	C	CIVIL - DEMOLITION PLAN - STA 1085+00 TO STA 1090+00	148	CD014	B	CIVIL - CONSTRUCTION DETAILS - 14 - SWIFT LN & MERCEDES DWY
				91	CR127	B	CIVIL - DEMOLITION PLAN - EASTRIDGE LOOP - 03	149	CD015	B	CIVIL - CONSTRUCTION DETAILS - 15 - CAPITOL EXPRESSWAY & TULLY RD
				92	CRO28	C	CIVIL - DEMOLITION PLAN - STA 1090+00 TO STA 1094+50	150	CD016	B	CIVIL - CONSTRUCTION DETAILS - 16 - S CAPITOL AVE AND SUSSEX DR
				93	CRO29	C	CIVIL - DEMOLITION PLAN - STA 1094+50 TO STA 1095+10	151	CD017	B	CIVIL - CONSTRUCTION DETAILS - 17 - CUL-DE-SAC
				94	CRO30	C	CIVIL - DEMOLITION PLAN - TO QUIMBY ROAD	152	CD018	A	CIVIL - CONSTRUCTION DETAILS - 18 - SITE (RESTORATION)
				95	CRO31	C	CIVIL - DEMOLITION PLAN - QUIMBY ROAD	153	CD019	A	CIVIL - CONSTRUCTION DETAILS - 19 - SITE (DEMOLITION)
				96	CP001	C	CIVIL - STREET IMPROVEMENT PLAN - STA 964+80 TO STA 967+00	154	CD020	A	CIVIL - CONSTRUCTION DETAILS - 20 - SITE (RESTORATION)
				97	CP002	C	CIVIL - STREET IMPROVEMENT PLAN - STA 967+00 TO STA 972+00	155	CD021	A	CIVIL - CONSTRUCTION DETAILS - 21 - SITE (RESTORATION)
				98	CP003	C	CIVIL - STREET IMPROVEMENT PLAN - STA 972+00 TO STA 977+00	156	CD022	A	CIVIL - CONSTRUCTION DETAILS - 22 - SITE (RESTORATION)
				99	CP103	C	CIVIL - STREET IMPROVEMENT PLAN - EXCALIBUR DRIVE	157	CD023	A	CIVIL - CONSTRUCTION DETAILS - 23 - SITE (RESTORATION)
				100	CP004	C	CIVIL - STREET IMPROVEMENT PLAN - STA 977+00 TO STA 982+00	158	YC001	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 1) - STA 965+00 TO STA 1002+50
				101	CP005	C	CIVIL - STREET IMPROVEMENT PLAN - STA 982+00 TO STA 987+00	159	YC002	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 1) - STA 1030+50 TO STA 1068+50
				102	CP006	C	CIVIL - STREET IMPROVEMENT PLAN - STA 987+00 TO STA 992+00	160	YC003	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 1) - STA 1068+50 TO STA 1095+00
				103	CP007	C	CIVIL - STREET IMPROVEMENT PLAN - STA 992+00 TO STA 997+00	161	YC004	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 2) - STA 965+00 TO STA 1002+50
				104	CP008	C	CIVIL - STREET IMPROVEMENT PLAN - STA 997+00 TO STA 1002+00	162	YC005	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 2) - STA 1002+50 TO STA 1042+50
				105	CP009	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1002+00 TO STA 1007+00	163	YC006	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 2) - STA 1042+50 TO STA 1082+50
				106	CP010	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1007+00 TO STA 1012+00	164	YC007	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 2) - STA 1082+50 TO STA 1095+00
				107	CP011	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1012+00 TO STA 1017+00	165	YC008	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 3) - STA 965+50 TO STA 1001+50
				108	CP012	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1017+00 TO STA 1022+00	166	YC009	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 3) - STA 1001+50 TO STA 1041+50
				109	CP013	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1022+00 TO STA 1027+00	167	YC010	C	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 3) - STA 1041+50 TO STA 1081+50
				110	CP014	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1027+00 TO STA 1032+00	168	YC011	A	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 3) - STA 1081+50 TO STA 1095+00
				111	CP015	C	CIVIL - STREET IMPROVEMENT PLAN - STA 1032+00 TO STA 1035+50	169	YC012	A	CIVIL - STAGE CONSTRUCTION PLAN (STAGE 4) - STA 974+00 TO STA 1071+00
RIGHT OF WAY											
32	RW000	C	RIGHT OF WAY - KEYMAP								
33	RW001	C	RIGHT OF WAY - PLAN - STA 964+80 TO STA 973+00								
34	RW002	C	RIGHT OF WAY - PLAN - STA 973+00 TO STA 982+00								
35	RW003	C	RIGHT OF WAY - PLAN - STA 982+00 TO STA 991+00								
36	RW004	C	RIGHT OF WAY - PLAN - STA 991+00 TO STA 1000+00								
37	RW005	C	RIGHT OF WAY - PLAN - STA 1000+00 TO STA 1009+00								
38	RW006	C	RIGHT OF WAY - PLAN - STA 1009+00 TO STA 1018+00								
39	RW007	C	RIGHT OF WAY - PLAN - STA 1018+00 TO STA 1027+00								
40	RW008	C	RIGHT OF WAY - PLAN - STA 1027+00 TO STA 1036+00								
41	RW009	C	RIGHT OF WAY - PLAN - STA 1036+00 TO STA 1045+00								
42	RW010	C	RIGHT OF WAY - PLAN - STA 1045+00 TO STA 1054+00								
43	RW011	C	RIGHT OF WAY - PLAN - STA 1054+00 TO STA 1063+00								
44	RW012	C	RIGHT OF WAY - PLAN - STA 1063+00 TO STA 1072+00								
45	RW013	C	RIGHT OF WAY - PLAN - STA 1072+00 TO STA 1081+00								
46	RW113	C	RIGHT OF WAY - PLAN - CONSTRUCTION STAGING AREA								
47	RW014	C	RIGHT OF WAY - PLAN - STA 1081+00 TO STA 1090+00								
48	RW114	A	RIGHT OF WAY - PLAN - EASTRIDGE LOOP								
49	RW214	C	RIGHT OF WAY - PLAN - EASTRIDGE LOOP - 02								
50	RW015	C	RIGHT OF WAY - PLAN - STA 1090+00 TO STA 1095+09								
51	RW016	C	RIGHT OF WAY - PLAN - QUIMBY ROAD								
CIVIL											
52	CX001	C	CIVIL - TYPICAL ROADWAY SECTIONS - SB STA 965+88.41 TO STA 974+83.73								
53	CX002	C	CIVIL - TYPICAL ROADWAY SECTIONS - CN STA 74+95.21 TO SB STA 981+92.25								

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi CHECKED: M. Cosentino
DRAWN: A. Hernandez CADD FILE NAME: 801GN005.dwg

Santa Clara Valley
Transportation
Authority

BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20 SCALE: NTS
SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 1
VOLUME 1 (1 OF 4)

PCA NO.: 000 CONTRACT NO.: C801 FILE LOCATION: PROJECTWISE

OF: DRAWING NO.: GN005 REVISION: C

DRAWING INDEX VOLUME 1

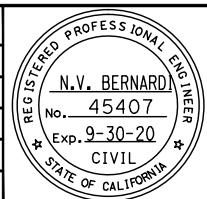
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170	YD001	B	CONSTRUCTION AREA SIGNS	229	YT050	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 1047+00 TO STA 1054+00	285	DP017	C	DRAINAGE - STORM DRAIN PLAN - STA 1039+50 TO STA 1044+00
171	YD002	B	CONSTRUCTION AREA SIGNS - DETOUR	230	YT051	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 1061+50 TO STA 1080+00	286	DP018	C	DRAINAGE - STORM DRAIN PLAN - STA 1044+00 TO STA 1048+00
172	YD003	B	CONSTRUCTION AREA SIGNS - DETOUR	231	YT052	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 1080+00 TO STA 1089+00	287	DP019	C	DRAINAGE - STORM DRAIN PLAN - STA 1048+00 TO STA 1053+00
173	YD004	B	CONSTRUCTION AREA SIGNS - DETOUR	232	YT053	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 1089+00 TO STA 1095+00	288	DP020	C	DRAINAGE - STORM DRAIN PLAN - STA 1053+00 TO STA 1058+00
174	YD005	B	CONSTRUCTION AREA SIGNS - DETOUR	233	YT054	A	TRAFFIC CONTROL PLAN - STAGE 3A - STA 993+00 TO STA 1042+00	289	DP021	C	DRAINAGE - STORM DRAIN PLAN - STA 1058+00 TO STA 1063+00
175	YD006	B	CONSTRUCTION AREA SIGNS - DETOUR	234	YT055	A	TRAFFIC CONTROL PLAN - STAGE 3A - STA 1042+00 TO STA 1053+00	290	DP022	C	DRAINAGE - STORM DRAIN PLAN - STA 1063+00 TO STA 1068+00
176	YD007	B	CONSTRUCTION AREA SIGNS - DETOUR	235	YT056	A	TRAFFIC CONTROL PLAN - STAGE 3A - STA 978+00 TO STA 988+00	291	DP023	C	DRAINAGE - STORM DRAIN PLAN - STA 1068+00 TO STA 1071+00
177	YD008	B	CONSTRUCTION AREA SIGNS - DETOUR	236	YT057	A	TRAFFIC CONTROL PLAN - STAGE 3A - STA 988+00 TO STA 998+00	292	DP024	C	DRAINAGE - STORM DRAIN PLAN - STA 1071+00 TO STA 1075+50
178	YD009	B	CONSTRUCTION AREA SIGNS - DETOUR	237	YT058	A	TRAFFIC CONTROL PLAN - STAGE 3B - STA 979+00 TO STA 987+00	293	DP025	C	DRAINAGE - STORM DRAIN PLAN - STA 1075+50 TO STA 1080+50
179	YD010	B	CONSTRUCTION AREA SIGNS - DETOUR	238	YT059	A	TRAFFIC CONTROL PLAN - STAGE 3B - STA 987+50 TO STA 1000+00	294	DP026	C	DRAINAGE - STORM DRAIN PLAN - STA 1080+50 TO STA 1085+00
180	YT001	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 964+80 TO STA 973+00	239	YT060	A	TRAFFIC CONTROL PLAN - STAGE 3B - STA 1036+00 TO STA 1043+00	295	DP126	C	DRAINAGE - STORM DRAIN PLAN - EASTRIDGE LOOP
181	YT002	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 973+00 TO STA 982+00	240	YT061	A	TRAFFIC CONTROL PLAN - STAGE 3B - STA 1048+00 TO STA 1058+00	296	DP226	A	DRAINAGE - STORM DRAIN PLAN - EASTRIDGE LOOP - 02
182	YT003	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 982+00 TO STA 991+00	241	YT062	A	TRAFFIC CONTROL PLAN - STAGE 3B - STA 1075+00 TO STA 1085+00	297	DP027	C	DRAINAGE - STORM DRAIN PLAN - STA 1085+00 TO STA 1090+00
183	YT004	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 991+00 TO STA 1000+00	242	YT063	A	TRAFFIC CONTROL PLAN - STAGE 3C - STA 1031+50 TO STA 1043+00	298	DP127	B	DRAINAGE - STORM DRAIN PLAN - EASTRIDGE LOOP - 03
184	YT005	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 1034+00 TO STA 1043+00	243	YT064	A	TRAFFIC CONTROL PLAN - STAGE 3C - STA 1045+00 TO STA 1054+00	299	DP028	C	DRAINAGE - STORM DRAIN PLAN - STA 1090+00 TO STA 1094+50
185	YT006	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 1043+00 TO STA 1052+00	244	YT065	A	TRAFFIC CONTROL PLAN - STAGE 3D - STA 1029+50 TO STA 1041+00	300	DP029	C	DRAINAGE - STORM DRAIN PLAN - STA 1094+50 TO STA 1095+10
186	YT007	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 1068+00 TO STA 1079+00	245	YT066	A	TRAFFIC CONTROL PLAN - STAGE 4 - STA 969+00 TO STA 981+00	301	DP129	C	DRAINAGE - STORM DRAIN PLAN - EASTRIDGE MALL ACCESS
187	YT008	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 1079+00 TO STA 1090+00	246	YT067	A	TRAFFIC CONTROL PLAN - STAGE 4 - STA 985+00 TO STA 997+00	302	DP030	C	DRAINAGE - STORM DRAIN PLAN - TO QUIMBY ROAD
188	YT009	B	TRAFFIC CONTROL PLAN - STAGE 1A - STA 1090+00 TO STA 1095+00	247	YT068	A	TRAFFIC CONTROL PLAN - STAGE 4 - STA 1059+00 TO STA 1070+00	303	DP031	C	DRAINAGE - STORM DRAIN PLAN - QUIMBY ROAD
189	YT010	B	TRAFFIC CONTROL PLAN - STAGE 1B - STA 973+00 TO STA 997+00	248	YT069	A	TRAFFIC CONTROL PLAN - STAGE 4 - STA 993+00 TO STA 1002+00	304	DP401	B	DRAINAGE - STORM DRAIN PROFILES
190	YT011	B	TRAFFIC CONTROL PLAN - STAGE 1C - STA 992+00 TO STA 1002+00	249	YT201	A	TRAFFIC CONTROL PLAN - TEMPORARY BIKE RAMPS - 1	305	DP402	B	DRAINAGE - STORM DRAIN PROFILES
191	YT012	B	TRAFFIC CONTROL PLAN - STAGE 1D - STA 973+00 TO STA 982+00	250	YT202	A	TRAFFIC CONTROL PLAN - TEMPORARY BIKE RAMPS - 2	306	DP403	B	DRAINAGE - STORM DRAIN PROFILES
192	YT013	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 964+80 TO STA 973+00	251	YT203	A	TRAFFIC CONTROL PLAN - TEMPORARY BIKE RAMPS - 3	307	DP404	B	DRAINAGE - STORM DRAIN PROFILES
193	YT014	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 973+00 TO STA 982+00	252	CY001	C	SIGNING AND STRIPING - PLAN - STA 964+80 TO STA 973+00	308	DP405	B	DRAINAGE - STORM DRAIN PROFILES
194	YT015	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 982+00 TO STA 991+00	253	CY002	C	SIGNING AND STRIPING - PLAN - STA 973+00 TO STA 982+00	309	DP406	B	DRAINAGE - STORM DRAIN PROFILES
195	YT016	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 991+00 TO STA 1000+00	254	CY003	C	SIGNING AND STRIPING - PLAN - STA 982+00 TO STA 991+00	310	DP407	B	DRAINAGE - STORM DRAIN PROFILES
196	YT017	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1000+00 TO STA 1009+00	255	CY004	C	SIGNING AND STRIPING - PLAN - STA 991+00 TO STA 1000+00	311	DP408	B	DRAINAGE - STORM DRAIN PROFILES
197	YT018	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1009+00 TO STA 1018+00	256	CY005	C	SIGNING AND STRIPING - PLAN - STA 1000+00 TO STA 1009+00	312	DP409	B	DRAINAGE - STORM DRAIN PROFILES
198	YT019	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1018+00 TO STA 1027+00	257	CY006	C	SIGNING AND STRIPING - PLAN - STA 1009+00 TO STA 1018+00	313	DP410	B	DRAINAGE - STORM DRAIN PROFILES
199	YT020	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1027+00 TO STA 1036+00	258	CY007	C	SIGNING AND STRIPING - PLAN - STA 1018+00 TO STA 1027+00	314	DP411	B	DRAINAGE - STORM DRAIN PROFILES
200	YT021	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1036+00 TO STA 1045+00	259	CY008	C	SIGNING AND STRIPING - PLAN - STA 1027+00 TO STA 1036+00	315	DP412	B	DRAINAGE - STORM DRAIN PROFILES
201	YT022	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1045+00 TO STA 1054+00	260	CY009	C	SIGNING AND STRIPING - PLAN - STA 1036+00 TO STA 1045+00	316	DP413	B	DRAINAGE - STORM DRAIN PROFILES
202	YT023	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1054+00 TO STA 1063+00	261	CY010	C	SIGNING AND STRIPING - PLAN - STA 1045+00 TO STA 1054+00	317	DP414	A	DRAINAGE - STORM DRAIN PROFILES
203	YT024	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1063+00 TO STA 1072+00	262	CY011	C	SIGNING AND STRIPING - PLAN - STA 1054+00 TO STA 1063+00	318	DP415	A	DRAINAGE - STORM DRAIN PROFILES
204	YT025	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1072+00 TO STA 1081+00	263	CY012	C	SIGNING AND STRIPING - PLAN - STA 1063+00 TO STA 1072+00	319	DP416	A	DRAINAGE - STORM DRAIN PROFILES
205	YT026	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1081+00 TO STA 1090+00	264	CY013	C	SIGNING AND STRIPING - PLAN - STA 1072+00 TO STA 1081+00	320	DP417	A	DRAINAGE - STORM DRAIN PROFILES
206	YT027	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 1090+00 TO STA 1095+10	265	CY014	C	SIGNING AND STRIPING - PLAN - STA 1081+00 TO STA 1090+00	321	DP418	A	DRAINAGE - STORM DRAIN PROFILES
207	YT028	B	TRAFFIC CONTROL PLAN - STAGE 2A - STA 973+00 TO STA 982+00	266	CY015	C	SIGNING AND STRIPING - PLAN - STA 1090+00 TO STA 1095+10	322	DP419	A	DRAINAGE - STORM DRAIN PROFILES
208	YT029	B	TRAFFIC CONTROL PLAN - STAGE 2B - STA 1060+00 TO STA 1072+00					323	DD001	C	DRAINAGE - DETAILS
209	YT030	B	TRAFFIC CONTROL PLAN - STAGE 2B - STA 1072+00 TO STA 1081+00					324	DD002	C	DRAINAGE - DETAILS
210	YT031	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 969+50 TO STA 978+50					325	DD003	C	DRAINAGE - DETAILS
211	YT032	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 978+50 TO STA 986+00					326	DD004	C	DRAINAGE - DETAILS
212	YT033	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 986+00 TO STA 996+50					327	DD005	C	DRAINAGE - DETAILS
213	YT034	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 996+50 TO STA 1007+50					328	DD006	C	DRAINAGE - DETAILS
214	YT035	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 984+00 TO STA 996+50					329	DD007	A	DRAINAGE - DETAILS
215	YT036	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 996+50 TO STA 1007+00					330	DD008	A	DRAINAGE - DETAILS
216	YT037	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1025+00 TO STA 1036+00					331	DD009	A	DRAINAGE - DETAILS
217	YT038	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1036+00 TO STA 1048+00					332	DD010	A	DRAINAGE - DETAILS
218	YT039	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1038+50 TO STA 1051+00					333	DD011	A	DRAINAGE - DETAILS
219	YT040	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1051+00 TO STA 1062+00					334	DD012	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
220	YT041	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1034+00 TO STA 1046+00					335	DD013	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
221	YT042	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1048+00 TO STA 1072+50					336	DD014	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
222	YT043	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1070+00 TO STA 1082+00					337	DD015	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
223	YT044	B	TRAFFIC CONTROL PLAN - STAGE 2C - STA 1071+00 TO STA 1083+00					338	DD016	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
224	YT045	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 969+00 TO STA 981+00					339	DD017	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
225	YT046	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 987+00 TO STA 993+00					340	DD018	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
226	YT047	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 993+00 TO STA 1003+00					341	DD019	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
227	YT048	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 1027+50 TO STA 1039+00					342	DD020	B	DRAINAGE - DETAILS - UNDERDRAIN PROFILES
228	YT049	B	TRAFFIC CONTROL PLAN - STAGE 3A - STA 1039+00 TO STA 1047+00								

DRAINAGE

267	DP001	C	DRAINAGE - STORM DRAIN PLAN - STA 964+80 TO STA 967+00
268	DP002	C	DRAINAGE - STORM DRAIN PLAN - STA 967+00 TO STA 972+00
269	DP003	C	DRAINAGE - STORM DRAIN PLAN - STA 972+00 TO STA 977+00
270	DP103	C	DRAINAGE - STORM DRAIN PLAN - EXCALIBUR DRIVE
271	DP004	C	DRAINAGE - STORM DRAIN PLAN - STA 977+00 TO STA 982+00
272	DP005	C	DRAINAGE - STORM DRAIN PLAN - STA 982+00 TO STA 987+00
273	DP006	C	DRAINAGE - STORM DRAIN PLAN - STA 987+00 TO STA 992+00
274	DP007	C	DRAINAGE - STORM DRAIN PLAN - STA 992+00 TO STA 997+00
275	DP008	C	DRAINAGE - STORM DRAIN PLAN - STA 997+00 TO STA 1002+00
276	DP009	C	DRAINAGE - STORM DRAIN PLAN - STA 1002+00 TO STA 1007+00
277	DP010	C	DRAINAGE - STORM DRAIN PLAN - STA 1007+00 TO STA 1012+00
278	DP011	C	DRAINAGE - STORM DRAIN PLAN - STA 1012+00 TO STA 1017+00
279	DP012	C	DRAINAGE - STORM DRAIN PLAN - STA 1017+00 TO STA 1022+00
280	DP013	C	DRAINAGE - STORM DRAIN PLAN - STA 1022+00 TO STA 1027+00
281	DP014	C	DRAINAGE - STORM DRAIN PLAN - STA 1027+00 TO STA 1032+00
282	DP015	C	DRAINAGE - STORM DRAIN PLAN - STA 1032+00 TO STA 1035+50
283	DP016	C	DRAINAGE - STORM DRAIN PLAN - STA 1035+50 TO STA 1039+50
284	DP116	C	DRAINAGE - STORM DRAIN PLAN - OCALA AVENUE

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN006.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 2
VOLUME 1 (2 OF 4)

SHEET OF: GN006
REVISION: C

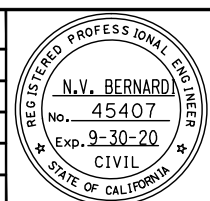
PLA NO: 000 CONTRACT NO: C801 FILE LOCATION: PROJECTWISE

DRAWING INDEX VOLUME 2

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GENERAL											
1	GN001	C	GENERAL - TITLE	53	SP345	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 4	111	SU327	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 27
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE	54	SP346	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 5	112	SU328	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 28
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE	55	SP347	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 6	113	SU329	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 29
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION	56	SP348	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 7	114	SU330	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 30
5	GN009	B	GENERAL - SHEET INDEX - 5 - VOLUME 2 (1 OF 3)	57	SP349	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 8	115	SU331	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 31
6	GN010	B	GENERAL - SHEET INDEX - 6 - VOLUME 2 (2 OF 3)	58	SP350	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 9	116	SU332	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 32
7	GN011	B	GENERAL - SHEET INDEX - 7 - VOLUME 2 (3 OF 3)	59	SP351	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 10	117	SU333	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 33
				60	SP352	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 11	118	SU334	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 34
				61	SP353	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 12	119	SU335	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 35
				62	SP354	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 13				
				63	SP355	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 14	120	SC301	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT 1 LAYOUT
				64	SP356	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 15				
				65	SP357	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 16	121	SC302	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT 76 LAYOUT
				66	SP358	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 17				
				67	SP359	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 18	122	SC303	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT DETAILS No. 1
				68	SP360	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 19	123	SC304	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT DETAILS No. 2
				69	SP361	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 20	124	SC305	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT DETAILS No. 3
				70	SP362	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 21				
				71	SP363	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 22	125	SC306	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 1
				72	SP364	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 23	126	SC307	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 2
				73	SP365	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 24	127	SC308	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 3
				74	SP366	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 25	128	SC309	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 4
				75	SP367	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 26	129	SC310	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 5
				76	SP368	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 27	130	SC311	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 6
				77	SP369	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 28	131	SC312	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 7
				78	SP370	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 29	132	SC313	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 8
				79	SP371	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 30	133	SC314	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 9
				80	SP372	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 31	134	SC315	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 10
				81	SP373	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 32	135	SC316	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 11
				82	SP374	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 33	136	SC317	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 12
				83	SP375	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 34	137	SC318	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 13
				84	SP376	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 35	138	SC319	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 14
								139	SC320	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 15
				85	SU301	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 1	140	SC321	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 16
				86	SU302	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 2	141	SC322	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 17
				87	SU303	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 3	142	SC323	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 18
				88	SU304	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 4	143	SC324	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 19
				89	SU305	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 5	144	SC325	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 20
				90	SU306	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 6	145	SC326	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 21
				91	SU307	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 7	146	SC327	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 22
				92	SU308	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 8	147	SC328	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 23
				93	SU309	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 9	148	SC329	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 24
				94	SU310	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 10	149	SC330	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 25
				95	SU311	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 11	150	SC331	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 26
				96	SU312	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 12				
				97	SU313	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 13	151	SC332	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 1
				98	SU314	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 14	152	SC333	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 2
				99	SU315	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 15	153	SC334	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 3
				100	SU316	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 16	154	SC335	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 4
				101	SU317	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 17	155	SC336	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 5
				102	SU318	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 18	156	SC337	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 6
				103	SU319	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 19				
				104	SU320	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 20	157	SC338	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - COLUMN DETAILS No. 1
				105	SU321	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 21	158	SC339	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - COLUMN DETAILS No. 2
				106	SU322	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 22	159	SC340	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - COLUMN DETAILS No. 3
				107	SU323	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 23				
				108	SU324	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 24	160	SC341	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT CAP 74 & 75 REINF PLAN
				109	SU325	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 25				
				110	SU326	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 26				

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BKF100+
 YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN009.dwg

Santa Clara Valley Transportation Authority

BKF100+
 YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
SHEET INDEX - 5
VOLUME 2 (1 OF 3)

SHEET OF: GN009
 REVISION: B

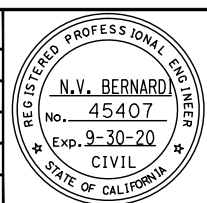
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 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

DRAWING INDEX VOLUME 2

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
161	SR301	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TYPICAL SECTIONS No. 1	219	SR361	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 15	275	SR417	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER DETAILS No. 1
162	SR302	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TYPICAL SECTIONS No. 2	220	SR362	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 16	276	SR418	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER DETAILS No. 2
163	SR303	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TYPICAL SECTIONS No. 3	221	SR363	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 17	277	SR419	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER DETAILS No. 3
164	SR304	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TYPICAL SECTIONS No. 4	222	SR364	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 18	278	SR420	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER DETAILS No. 4
165	SR305	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TYPICAL SECTIONS No. 5	223	SR365	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 19	279	SR421	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER DETAILS No. 5
166	SR306	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TYPICAL SECTIONS No. 6	224	SR366	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 20	280	SR422	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER DETAILS No. 6
167	SR307	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TYPICAL SECTIONS No. 7	225	SR367	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 21	281	SR425	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - PC POST TENSIONED WIDE FLANGE GIRDER DETAILS No. 1
168	SR310	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 1	226	SR368	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 22	282	SR426	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - PC POST TENSIONED WIDE FLANGE GIRDER DETAILS No. 2
169	SR311	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 2	227	SR369	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 23	283	SR427	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - PC POST TENSIONED WIDE FLANGE GIRDER DETAILS No. 3
170	SR312	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 3	228	SR370	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 24				
171	SR313	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 4	229	SR371	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 25				
172	SR314	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 5	230	SR372	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 26	284	SR428	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 1
173	SR315	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 6	231	SR373	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 27	285	SR429	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 2
174	SR316	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 7	232	SR374	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 28	286	SR430	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 3
175	SR317	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 8-1	233	SR375	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 29	287	SR431	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 4
176	SR318	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 8-2	234	SR376	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 30	288	SR432	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 5
177	SR319	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 9-1	235	SR377	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 31	289	SR433	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 6
178	SR320	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 9-2	236	SR378	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 32	290	SR435	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 8
179	SR321	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 10	237	SR379	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 33	291	SR436	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 9
180	SR322	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 11	238	SR380	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 34	292	SR437	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 10
181	SR323	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 12	239	SR381	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 35	293	SR438	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 11
182	SR324	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 13	240	SR382	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 1	294	SR439	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 12
183	SR325	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 14	241	SR383	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 2	295	SR440	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE DETAILS No. 13
184	SR326	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 15	242	SR384	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 3	296	SR441	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE BEARING DETAILS
185	SR327	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 16	243	SR385	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 4				
186	SR328	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 17	244	SR386	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 5	297	SR442	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE RESTRAINER DETAILS No. 1
187	SR329	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 18	245	SR387	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 6	298	SR443	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - HINGE RESTRAINER DETAILS No. 2
188	SR330	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 19	246	SR388	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 7				
189	SR331	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 20	247	SR389	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 8	299	SR444	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - JOINT SEAL ASSEMBLY MR = 4" MAX
190	SR332	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 21	248	SR390	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 9	300	SR445	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - JOINT SEAL ASSEMBLY MR > 4"
191	SR333	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 22	249	SR391	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 10				
192	SR334	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 23	250	SR392	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 11	301	SD301	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 1
193	SR335	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 24	251	SR393	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 12	302	SD302	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 2
194	SR336	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 25	252	SR394	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 13	303	SD303	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 3
195	SR337	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 26	253	SR395	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 14	304	SD304	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 4
196	SR338	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 27	254	SR396	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 15	305	SD305	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 5
197	SR339	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 28	255	SR397	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 16	306	SD306	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 6
198	SR340	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 29	256	SR398	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 17	307	SD307	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 7
199	SR341	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 30	257	SR399	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 18	308	SD308	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 8
200	SR342	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 31	258	SR400	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 19	309	SD309	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 9
201	SR343	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 32	259	SR401	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 20				
202	SR344	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 33	260	SR402	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 21	310	SD310	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE PLAN No. 10
203	SR345	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 34	261	SR403	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 22	311	SD311	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE DETAILS No. 1
204	SR346	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - GIRDER LAYOUT - FRAME 35	262	SR404	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 23	312	SD312	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DRAINAGE DETAILS No. 2
205	SR347	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1	263	SR405	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 24	313	SD313	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TEST PILE DETAILS
206	SR348	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 2	264	SR406	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 25				
207	SR349	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 3	265	SR407	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 26	314	SD314	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - PILE DETAILS No. 1
208	SR350	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 4	266	SR408	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 27	315	SD315	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - PILE DETAILS No. 2
209	SR351	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 5	267	SR409	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 28				
210	SR352	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 6	268	SR410	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 29	316	SD316	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - SIGNAL FOUNDATION DETAILS No. 1
211	SR353	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 7	269	SR411	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 30	317	SD317	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - SIGNAL FOUNDATION DETAILS No. 2
212	SR354	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 8	270	SR412	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 31				
213	SR355	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 9	271	SR413	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 32	318	SD318	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TES FOUNDATION DETAILS No. 1
214	SR356	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 10	272	SR414	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 33	319	SD319	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TES FOUNDATION DETAILS No. 2
215	SR357	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 11	273	SR415	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 34	320	SD320	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TES FOUNDATION DETAILS No. 3
216	SR358	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 12	274	SR416	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL DECK REINFORCEMENT - FRAME 35	321	SD321	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TES FOUNDATION DETAILS No. 4
217	SR359	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 13					322	SD322	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - IDS POLE DETAILS
218	SR360	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ADDITIONAL SOFFIT REINFORCEMENT - FRAME 14								

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN010.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 6
VOLUME 2 (2 OF 3)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. GN010 REVISION B

DRAWING INDEX VOLUME 2

SHT NO	DWG NO	REV	TITLE
323	SD323	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - METAL RAILING DETAILS
324	SD324	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - SOUND BARRIER DETAILS
325	SD325	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - APPROACH SLAB DETAILS No. 1
326	SD326	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - APPROACH SLAB DETAILS No. 2
327	SD327	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS POST DETAILS
328	SD328	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 1
329	SD329	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 2
330	SD330	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 3
331	SD331	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 4
332	SD332	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 5
333	SD333	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 6
334	SD334	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 7
335	SD335	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 1
336	SD336	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 2
337	SD337	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 3
338	SD338	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 4
339	SD339	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 5
340	SD340	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 6
341	SD341	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 7
342	SD342	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TRAFFIC SIGNAL SUPPORT DETAILS

APPROACH WALLS

343	SP380	C	STRUCTURAL - NORTH APPROACH WALLS - GENERAL NOTES
344	SP381	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL PLAN No. 1
345	SP382	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL PLAN No. 2
346	SD381	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 1
347	SD382	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 2
348	SD383	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 3
349	SD384	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 4
350	SD385	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 5
351	SD386	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 6
352	SD387	C	STRUCTURAL - NORTH APPROACH WALLS - MECHANICAL STABILIZED EMBANKMENT DETAILS No. 1
353	SD388	C	STRUCTURAL - NORTH APPROACH WALLS - MECHANICAL STABILIZED EMBANKMENT DETAILS No. 2
354	SD389	C	STRUCTURAL - NORTH APPROACH WALLS - IDS POLE DETAILS
355	SP391	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 1
356	SP392	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 2
357	SP393	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 3
358	SP394	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 4
359	SP395	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 5
360	SP396	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 6
361	SD391	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 1
362	SD392	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 2
363	SD393	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 3
364	SD394	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 4
365	SD395	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 5
366	SD401	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL WEST FACE 1
367	SD402	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL WEST FACE 2
368	SD403	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL EAST FACE 1
369	SD404	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL EAST FACE 2
370	SD405	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL WEST FACE 1

SHT NO	DWG NO	REV	TITLE
371	SD406	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL WEST FACE 2
372	SD407	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL EAST FACE 1
373	SD408	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL EAST FACE 2
374	SD409	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - FORMLINER DETAILS

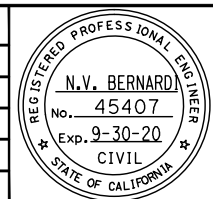
GEOTECHNICAL

375	HP301	B	GEOTECHNICAL - SITE PLAN - STA 964+80 TO STA 1014+00
376	HP302	B	GEOTECHNICAL - SITE PLAN - STA 1014+00 TO STA 1064+10
377	HP303	B	GEOTECHNICAL - SITE PLAN - STA 1064+10 TO STA 1095+05
378	HP304	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 971+00 TO STA 976+60
379	HP305	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 975+00 TO STA 980+60
380	HP306	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 978+25 TO STA 984+00
381	HP307	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 981+35 TO STA 987+00
382	HP308	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 984+80 TO STA 990+45
383	HP309	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 988+00 TO STA 993+65
384	HP310	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 993+00 TO STA 998+70
385	HP311	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 993+00 TO STA 998+70
386	HP312	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 999+50 TO STA 1005+20
387	HP313	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1001+00 TO STA 1006+65
388	HP314	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1007+00 TO STA 1012+65
389	HP315	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1012+00 TO STA 1017+65
390	HP316	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1018+00 TO STA 1023+65
391	HP317	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1024+00 TO STA 1029+65
392	HP318	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1030+00 TO STA 1035+65
393	HP319	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1035+00 TO STA 1040+65
394	HP320	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1042+00 TO STA 1047+65
395	HP321	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1047+00 TO STA 1052+65
396	HP322	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1054+00 TO STA 1059+65
397	HP323	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1059+00 TO STA 1064+65
398	HP324	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1064+00 TO STA 1069+65
399	HP325	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1066+80 TO STA 1072+50
400	HP326	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1069+00 TO STA 1074+65
401	HP327	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1073+35 TO STA 1079+00
402	HP328	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1076+00 TO STA 1081+65
403	HP329	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1079+00 TO STA 1084+65
404	HP330	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1082+30 TO STA 1095+05
405	HP331	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 101+50 TO STA 107+15
406	HP332	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1012+50 TO STA 1025+85
407	HP333	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1053+15 TO STA 1058+80
408	HP334	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1038+40 TO STA 1044+30
409	HP335	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 975+35 TO STA 981+00
410	HP336	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1029+65 TO STA 1035+30
411	HP337	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1005+00 TO STA 1019+50
412	HP338	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1047+00 TO STA 1052+65
413	HP339	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1059+60 TO STA 1065+20
414	HP340	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 977+30 TO STA 1084+40
415	HP341	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1082+40 TO STA 1088+05
416	HP342	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1082+50 TO STA 1088+15
417	HP343	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1085+75 TO STA 1091+40
418	HP344	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1085+75 TO STA 1091+40
419	HP345	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1085+75 TO STA 1091+40
420	HP346	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1091+60 TO STA 1095+05

SHT NO	DWG NO	REV	TITLE
CORROSION CONTROL			
421	CC001	A	CORROSION CONTROL - GENERAL NOTES
422	CC101	A	CORROSION CONTROL - AERIAL GUIDEWAY HINGE BOND
423	CC102	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT BENTS
424	CC103	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT BENTS
425	CC104	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT BENTS
426	CC105	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT ABUTS
427	CC201	A	CORROSION CONTROL - DETAILS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED		APPROVED	
DESIGNED	CHECKED	CADD FILE DATE	SCALE
C. Chi	M. Cosentino	03/06/20	NTS
DRAWN	CADD FILE NAME	SUBMITTAL DATE	BOARD APPROVAL DATE
A. Hernandez	801GN011.dwg	06/29/20	



EASTRIDGE TO BART REGIONAL CONNECTOR	
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT	
GENERAL	
SHEET INDEX - 7	
VOLUME 2 (3 OF 3)	
PCA NO.	CONTRACT NO.
000	C801
FILE LOCATION	
PROJECTWISE	

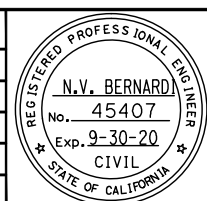
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DRAWING NO.	GN011
REVISION	B

DRAWING INDEX VOLUME 3

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
GENERAL											
1	GN001	C	GENERAL - TITLE	57	AP588	A	ARCHITECTURAL - STORY STATION - ELEVATOR #1 - ELEVATIONS	112	MM502	C	MECHANICAL - STORY STATION - GROUND FLOOR - SHEET 2 OF 2
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE	58	AP590	A	ARCHITECTURAL - STORY STATION - ACCESS STRUCTURES - ELEVATOR HOISTWAY DETAILS	113	MM510	C	MECHANICAL - STORY STATION - AERIAL CENTER PLATFORM - KEY PLAN-PLATFORM LEVEL
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE	59	AP591	A	ARCHITECTURAL - STORY STATION - ACCESS STRUCTURES - ELEVATOR MISC DETAILS	114	MM511	C	MECHANICAL - STORY STATION - AERIAL CENTER PLATFORM - PLATFORM PLAN 1
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION	60	AP610	C	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - PLAN	115	MM512	C	MECHANICAL - STORY STATION - AERIAL CENTER PLATFORM - ROOF
5	GN012	B	GENERAL - SHEET INDEX - 8 - VOLUME 3 (1 OF 2)	61	AP611	B	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - SOUTH ELEVATION	116	MM800	B	MECHANICAL - EASTRIDGE STATION - PLATFORM KEY PLAN
6	GN013	B	GENERAL - SHEET INDEX - 9 - VOLUME 3 (2 OF 2)	62	AP612	A	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - NORTH ELEVATION	117	MM801	B	MECHANICAL - EASTRIDGE STATION - PLATFORM PLAN
ARCHITECTURAL											
7	AA351	A	ARCHITECTURAL - ABBREVIATIONS AND SYMBOLS	63	AP621	C	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL SOUTH ELEVATION 1	118	MM802	B	MECHANICAL - EASTRIDGE STATION - ROOF PLAN
8	AA352	B	ARCHITECTURAL - ARCHITECTURAL LEGEND AND - MASTER KEY NOTES	64	AP622	B	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL SOUTH ELEVATION 2	119	MM911	B	MECHANICAL PIPING DIAGRAMS
9	AA353	A	ARCHITECTURAL - CODE REVIEW	65	AP624	A	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL NORTH ELEVATION 1	120	MM921	C	MECHANICAL SYSTEM - CONTROL DIAGRAMS
10	AP500	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - ARCHITECTURAL SITE/GROUND FLOOR PLAN	66	AP625	A	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL NORTH ELEVATION 2	121	MM922	C	MECHANICAL SYSTEM - SEQUENCE OF OPERATIONS AND DIRECT - DIGITAL CONTROL POINT LIST SCHEDULE
11	AP501	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - KEY PLAN - PLATFORM LEVEL	67	AP630	A	ARCHITECTURAL - STORY STATION - FENCE SCREEN ELEVATION DETAILS	122	MM931	C	MECHANICAL DETAILS - SHEET 1 OF 4
12	AP502	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - PARTIAL PLATFORM PLAN 1	68	AP631	A	ARCHITECTURAL - STORY STATION - FENCE SCREEN ELEVATION DETAILS	123	MM932	C	MECHANICAL DETAILS - SHEET 2 OF 4
13	AP503	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - PARTIAL PLATFORM PLAN 2	69	AP640	A	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - FENCE SCREEN DETAILS	124	MM933	C	MECHANICAL DETAILS - SHEET 3 OF 4
14	AP504	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - PARTIAL PLATFORM PLAN 3	70	AP641	A	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - GUARDRAIL DETAILS	125	MM934	C	MECHANICAL DETAILS - SHEET 4 OF 4
15	AP505	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - PLATFORM SECTIONS 1	71	AP800	C	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM KEY PLAN	ELECTRICAL			
16	AP506	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - WEST ELEVATION	72	AP801	C	ARCHITECTURAL - EASTRIDGE STATION - PARTIAL PLATFORM PLAN 1	126	EP400	A	ELECTRICAL GENERAL
17	AP507	C	ARCHITECTURAL - STORY STATION - AERIAL CENTER PLATFORM - EAST ELEVATION	73	AP802	C	ARCHITECTURAL - EASTRIDGE STATION - PARTIAL PLATFORM PLAN 2	127	EP401	B	STORY STATION - ELECTRICAL SITE PLAN
18	AP530	B	ARCHITECTURAL - STORY STATION - WEST ACCESS - GROUND LEVEL PLAN	74	AP803	C	ARCHITECTURAL - EASTRIDGE STATION - PARTIAL PLATFORM PLAN 3	128	EP402	B	STORY STATION - PLATFORM ELECTRICAL PLAN 1
19	AP531	B	ARCHITECTURAL - STORY STATION - WEST ACCESS - POC LEVEL PLAN	75	AP804	C	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM SECTIONS	129	EP403	B	STORY STATION - PLATFORM ELECTRICAL PLAN 2
20	AP532	B	ARCHITECTURAL - STORY STATION - WEST ACCESS - SECTION	76	AP805	C	ARCHITECTURAL - EASTRIDGE STATION - ELEVATIONS	130	EP404	B	STORY STATION - PLATFORM ELECTRICAL PLAN 3
21	AP533	B	ARCHITECTURAL - STORY STATION - WEST ACCESS - WEST ELEVATION	77	AP810	B	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM NORTH ENTRY - ENLARGED PLAN	131	EP405	B	STORY STATION - PEDESTRIAN OVERCROSSING - ELECTRICAL PLAN
22	AP534	B	ARCHITECTURAL - STORY STATION - WEST ACCESS - EAST ELEVATION	78	AP812	B	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM SOUTH ENTRY - ENLARGED PLAN	132	EP406	B	STORY STATION - ELEVATOR #1 AREA - ELECTRICAL PLAN
23	AP540	B	ARCHITECTURAL - STORY STATION - EAST ACCESS - GROUND LEVEL PLAN	79	AP830	A	ARCHITECTURAL - EASTRIDGE STATION - RAMP SECTIONS	133	EP407	B	STORY STATION - ELEVATOR #2 AREA - ELECTRICAL PLAN
24	AP541	B	ARCHITECTURAL - STORY STATION - EAST ACCESS - POC LEVEL PLAN	80	AP831	A	ARCHITECTURAL - EASTRIDGE STATION - STAIRS AND RAMP ELEVATIONS	134	EP408	B	STORY STATION - ELEVATOR #3 AREA - ELECTRICAL PLAN - SHEET 1
25	AP542	B	ARCHITECTURAL - STORY STATION - EAST ACCESS - SECTION	81	AP900	C	ARCHITECTURAL - EASTRIDGE STATION - #34 TPSS SCREEN - PLAN & SECTION	135	EP409	B	STORY STATION - ELEVATOR #3 AREA - ELECTRICAL PLAN - SHEET 2
26	AP543	B	ARCHITECTURAL - STORY STATION - EAST ACCESS - WEST ELEVATION	82	AP901	C	ARCHITECTURAL - EASTRIDGE STATION - #34 TPSS SCREEN - ELEVATIONS	136	EP410	A	STORY STATION - SIGNAL COMM HOUSE
27	AP544	B	ARCHITECTURAL - STORY STATION - EAST ACCESS - EAST ELEVATION	83	AP910	C	ARCHITECTURAL - OCALA STATION - #33 TPSS SCREEN - PLAN	137	EP411	A	STORY STATION - ELECTRICAL DETAILS
28	AP550	B	ARCHITECTURAL - STORY STATION - SOUTH EMERGENCY EXIT - GROUND LEVEL PLAN	84	AP912	C	ARCHITECTURAL - OCALA STATION - #33 TPSS SCREEN - ELEVATIONS	138	EP501	B	EASTRIDGE STATION - PLATFORM ELECTRICAL PLAN 1
29	AP551	B	ARCHITECTURAL - STORY STATION - PLATFORM ACCESS - POC LEVEL PLAN	85	AP915	A	ARCHITECTURAL - TYPICAL TPSS - GATE DETAILS	139	EP502	B	EASTRIDGE STATION - PLATFORM ELECTRICAL PLAN 2
30	AP552	B	ARCHITECTURAL - STORY STATION - PLATFORM ACCESS - PLATFORM LEVEL PLAN	86	AT104	C	ARCHITECTURAL - SHELTER CANOPY - FLOOR PLAN & ROOF PLAN	140	EP503	B	EASTRIDGE STATION - PLATFORM ELECTRICAL PLAN 3
31	AP553	B	ARCHITECTURAL - STORY STATION - PLATFORM ACCESS - SECTION 1	87	AT105	C	ARCHITECTURAL - TYPICAL SHELTER - ELEVATIONS	141	EP504	B	EASTRIDGE STATION - ELECTRICAL BUILDING
32	AP554	A	ARCHITECTURAL - STORY STATION - PLATFORM ACCESS - SECTION 2	88	AT106	C	ARCHITECTURAL - SHELTER CANOPY - REFLECTED CEILING PLAN & SECTIONS	142	EP601	B	LIGHTING DETAILS
33	AP555	B	ARCHITECTURAL - STORY STATION - PLATFORM ACCESS - WEST ELEVATION	89	AT111	C	ARCHITECTURAL - TVM SHELTER CANOPY - PLANS, SECTIONS & ELEVATIONS	143	EP602	A	LIGHTING DETAILS
34	AP556	B	ARCHITECTURAL - STORY STATION - PLATFORM ACCESS - EAST ELEVATION	90	AT142	A	ARCHITECTURAL - SHELTER CANOPY - DETAILS	144	EP603	B	SHELTER LIGHTING DETAILS
35	AP560	B	ARCHITECTURAL - STORY STATION - NORTH EMERGENCY EXIT - GROUND LEVEL & PLATFORM LEVEL PLAN	91	AT200	B	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - FLOOR PLAN & ROOF PLAN	145	EP604	A	HANDRAIL LIGHTING DETAILS
36	AP561	B	ARCHITECTURAL - STORY STATION - NORTH ACCESS - PLATFORM LEVEL PLAN	92	AT201	A	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - SECTIONS	146	EP605	A	LIGHTING CONTROLS
37	AP563	B	ARCHITECTURAL - STORY STATION - NORTH EMERGENCY EXIT - SECTION 1	93	AT202	A	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - EXTERIOR ELEVATIONS	147	EP606	B	LIGHT FIXTURE SCHEDULE - (SHEET 1 OF 2)
38	AP564	B	ARCHITECTURAL - STORY STATION - NORTH ACCESS - SECTION 2	94	AT203	A	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - EXTERIOR DETAILS	148	EP607	B	LIGHT FIXTURE SCHEDULE - (SHEET 2 OF 2)
39	AP565	B	ARCHITECTURAL - STORY STATION - NORTH ACCESS - ELEVATIONS	95	AT205	A	ARCHITECTURAL - EASTRIDGE STATION - SIGNALS/COMM HOUSE - FLOOR PLAN & ROOF PLAN	149	EP701	B	STORY STATION - SINGLE LINE DIAGRAM
40	AP566	B	ARCHITECTURAL - STORY STATION - EMERGENCY EXITS ORNAMENTAL - SECURITY FENCE ELEVATIONS AND DETAILS	96	AT206	A	ARCHITECTURAL - EASTRIDGE STATION - SIGNALS/COMM HOUSE - SECTIONS	150	EP702	B	EASTRIDGE STATION - SINGLE LINE DIAGRAM
41	AP567	A	ARCHITECTURAL - STORY STATION - EMERGENCY EXITS ORNAMENTAL - SECURITY FENCE ELEVATIONS AND DETAILS	97	AT207	A	ARCHITECTURAL - EASTRIDGE STATION - SIGNALS/COMM HOUSE - EXTERIOR ELEVATIONS	151	EP703	B	STORY STATION - FIRE ALARM SYSTEM - SHEET 1 OF 3
42	AP568	A	ARCHITECTURAL - STORY & EASTRIDGE STATION - DOOR SCHEDULES & DETAILS	98	AT301	A	ARCHITECTURAL - TYPICAL DETAILS	152	EP704	B	STORY STATION - FIRE ALARM SYSTEM - SHEET 2 OF 3
43	AP569	A	ARCHITECTURAL - STORY & EASTRIDGE STATION - FINISH SCHEDULE	99	AT302	A	ARCHITECTURAL - TYPICAL DETAILS	153	EP705	B	STORY STATION - FIRE ALARM SYSTEM - SHEET 3 OF 3
44	AP570	A	ARCHITECTURAL - STORY & EASTRIDGE STATION - FINISH SCHEDULE	100	AT330	A	ARCHITECTURAL - WINDSCREEN & BENCH - DETAILS	154	EP706	A	STORY STATION - PANEL SCHEDULES - (SHEET 1 OF 3)
45	AP572	A	ARCHITECTURAL - STORY STATION - ACCESS STRUCTURES - GUARDRAIL & GATE DETAILS	101	AT331	A	ARCHITECTURAL - WINDSCREEN & BENCH - DETAILS	155	EP707	A	STORY STATION - PANEL SCHEDULES - (SHEET 2 OF 3)
46	AP573	A	ARCHITECTURAL - GUARDRAIL, HANDRAIL & - STAIR DETAILS	102	AT332	A	ARCHITECTURAL - GRAPHIC DISPLAY KIOSK - DETAILS	156	EP708	A	STORY STATION - PANEL SCHEDULES - (SHEET 3 OF 3)
47	AP574	A	ARCHITECTURAL - STORY STATION - ACCESS STRUCTURES - GUARDRAIL DETAILS	103	AT333	A	ARCHITECTURAL - AMENITIES - DETAILS	157	EP709	A	ELECTRICAL DETAILS
48	AP575	A	ARCHITECTURAL - GUARDRAIL, HANDRAIL & - INTERIOR WALL DETAILS	104	AT334	A	ARCHITECTURAL - ORNAMENT FENCE - DETAILS	PLUMBING			
49	AP580	B	ARCHITECTURAL - STORY STATION - ELEVATOR #2 - ENLARGED PLANS	105	AT335	A	ARCHITECTURAL - DECORATIVE PICKET FENCE - DETAILS	158	MP001	C	PLUMBING - GENERAL NOTES, LEGEND - AND ABBREVIATIONS
50	AP581	B	ARCHITECTURAL - STORY STATION - ELEVATOR #2 - SECTIONS	MECHANICAL				159	MP002	C	PLUMBING - EQUIPMENT SCHEDULES
51	AP582	B	ARCHITECTURAL - STORY STATION - ELEVATOR #2 - ELEVATIONS	106	MM001	C	MECHANICAL - GENERAL NOTES AND LEGEND	160	MP500	C	PLUMBING - STORY STATION - GROUND FLOOR KEY PLAN
52	AP583	B	ARCHITECTURAL - STORY STATION - ELEVATOR #3 - ENLARGED PLANS	107	MM002	C	MECHANICAL - ABBREVIATIONS	161	MP501	C	PLUMBING - STORY STATION - GROUND FLOOR - SHEET 1 OF 3
53	AP584	B	ARCHITECTURAL - STORY STATION - ELEVATOR #3 - SECTIONS	108	MM003	C	MECHANICAL - EQUIPMENT SCHEDULES	162	MP502	C	PLUMBING - STORY STATION - GROUND FLOOR - SHEET 2 OF 3
54	AP585	B	ARCHITECTURAL - STORY STATION - ELEVATOR #3 - ELEVATIONS	109	MM004	C	MECHANICAL - EQUIPMENT SCHEDULES	163	MP503	C	PLUMBING - STORY STATION - GROUND FLOOR - SHEET 3 OF 3
55	AP586	B	ARCHITECTURAL - STORY STATION - ELEVATOR #1 - ENLARGED PLANS	110	MM500	C	MECHANICAL - STORY STATION - GROUND FLOOR KEY PLAN	164	MP510	C	PLUMBING - STORY STATION - AERIAL CENTER PLATFORM - KEY PLAN-PLATFORM LEVEL
56	AP587	A	ARCHITECTURAL - STORY STATION - ELEVATOR #1 - SECTIONS	111	MM501	C	MECHANICAL - STORY STATION - GROUND FLOOR - SHEET 1 OF 2	165	MP511	C	PLUMBING - STORY STATION - AERIAL CENTER PLATFORM - PLATFORM PLAN 1

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN012.dwg

Santa Clara Valley
Transportation
Authority

BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/19
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 8
VOLUME 3 (1 OF 2)

SHEET OF: GN012
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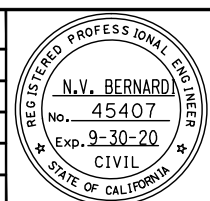
PLA NO: 000 CONTRACT NO: C801 FILE LOCATION: PROJECTWISE

DRAWING INDEX VOLUME 3

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
166	MP512	C	PLUMBING - STORY STATION - AERIAL CENTER PLATFORM - PLATFORM PLAN 2	220	SD535	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURE STAIRS SECTIONS	277	SR623	B	STRUCTURAL - STORY STATION POC - TYPICAL SECTION
167	MP513	C	PLUMBING - STORY STATION - AERIAL CENTER PLATFORM - PLATFORM PLAN 3	221	SD536	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURE STAIRS DETAILS	278	SR624	B	STRUCTURAL - STORY STATION POC - DECK FRAMING DETAILS No. 1
168	MP514	C	PLUMBING - STORY STATION - PEDESTRIAN OVERCROSSING - PLAN	222	SD537	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURE STAIRS DETAILS	279	SR625	A	STRUCTURAL - STORY STATION POC - DECK FRAMING DETAILS No. 2
169	MP515	A	PLUMBING - STORY STATION - PEDESTRIAN OVERCROSSING - PLAN - SD	223	SD538	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURE STAIRS DETAILS	280	SR626	A	STRUCTURAL - STORY STATION POC - DECK FRAMING DETAILS No. 3
170	MP800	B	PLUMBING - EASTRIDGE STATION - PLATFORM KEY PLAN	224	SD550	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - NORTH MEDIAN ACCESS STRUCTURE ELEVATION	281	SR627	A	STRUCTURAL - STORY STATION POC - DECK FRAMING DETAILS No. 4
171	MP801	B	PLUMBING - EASTRIDGE STATION - PLATFORM PLAN - SHEET 1 OF 3	225	SD551	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - NORTH MEDIAN ACCESS STRUCTURE COLUMN & FOOTING DETAILS	282	SD623	A	STRUCTURAL - STORY STATION POC - PILE DETAILS
172	MP802	B	PLUMBING - EASTRIDGE STATION - PLATFORM PLAN - SHEET 2 OF 3	226	SD552	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - NORTH MEDIAN ACCESS STRUCTURE STAIR DETAILS No. 1	283	SD624	A	STRUCTURAL - STORY STATION POC - DECK DRAINAGE DETAILS
173	MP803	B	PLUMBING - EASTRIDGE STATION - PLATFORM PLAN - SHEET 3 OF 3	227	SD553	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - NORTH MEDIAN ACCESS STRUCTURE STAIR DETAILS No. 2	284	SD625	A	STRUCTURAL - STORY STATION POC - RAILING DETAILS No. 1
174	MP901	C	PLUMBING - STORY & EASTRIDGE STATIONS - ENLARGED FLOOR PLANS - SHEET 1 OF 2	228	SD560	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SHELTER SHELTER FOUNDATION & ROOF FRAMING PLAN	285	SD626	A	STRUCTURAL - STORY STATION POC - RAILING DETAILS No. 2
175	MP902	C	PLUMBING - STORY & EASTRIDGE STATIONS - ENLARGED FLOOR PLANS - SHEET 2 OF 2	229	SD561	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - TVM SHELTER CANOPY PLANS & ELEVATIONS	286	SD627	A	STRUCTURAL - STORY STATION POC - RAILING DETAILS No. 3
176	MP911	C	PLUMBING - PIPING DIAGRAMS - SHEET 1 OF 2	230	SD562	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SHELTER CANOPY ELEVATIONS	287	SD628	A	STRUCTURAL - STORY STATION POC - RAILING DETAILS No. 4
177	MP912	C	PLUMBING - PIPING DIAGRAMS - SHEET 2 OF 2	231	SD563	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 1	SOUND WALL, RETAINING WALL, TPSS, SCREEN WALLS			
178	MP931	C	PLUMBING - TYPICAL DETAILS - SHEET 1 OF 4	232	SD564	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 2	288	SP901	C	STRUCTURAL - NORTH APPROACH WALLS - SOUND WALL
179	MP932	C	PLUMBING - TYPICAL DETAILS - SHEET 2 OF 4	233	SD565	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3	289	SD901	C	STRUCTURAL - NORTH APPROACH WALLS - SOUND WALL DETAILS
180	MP933	C	PLUMBING - TYPICAL DETAILS - SHEET 3 OF 4	234	SP801	C	STRUCTURAL - EASTRIDGE STATION - GENERAL PLAN	290	SP902	A	STRUCTURAL - CAPITOL AND CUNNINGHAM - RETAINING WALL
181	MP934	C	PLUMBING - TYPICAL DETAILS - SHEET 4 OF 4	235	SU801	C	STRUCTURAL - EASTRIDGE STATION - FOUNDATION PLAN	291	SP910	C	STRUCTURAL - TPSS #33 SCREEN - PLAN
FIRE PROTECTION				236	SD801	C	STRUCTURAL - EASTRIDGE STATION - TYPICAL SECTION	292	SP911	C	STRUCTURAL - TPSS #34 SCREEN - PLAN
182	MFO01	B	FIRE PROTECTION - GENERAL NOTES, LEGEND, - ABBREVIATIONS AND SCHEDULES	237	SD802	C	STRUCTURAL - EASTRIDGE STATION - PLATFORM DETAILS No. 1	293	SD910	C	STRUCTURAL - TPSS #33 AND #34 - TPSS DETAILS No. 1
183	MF500	B	FIRE PROTECTION - STORY STATION - GROUND FLOOR KEY PLAN	238	SD803	C	STRUCTURAL - EASTRIDGE STATION - PLATFORM DETAILS No. 1	294	SD911	A	STRUCTURAL - TPSS #33 AND #34 - TPSS DETAILS No. 2
184	MF501	B	FIRE PROTECTION - STORY STATION - GROUND FLOOR	239	SD812	C	STRUCTURAL - STORY STATION PEDESTRIAN OVERCROSSING - SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 1	295	SD912	A	STRUCTURAL - TPSS #33 AND #34 - TPSS DETAILS No. 3
185	MF510	B	FIRE PROTECTION - STORY STATION - PLATFORM LEVEL - KEY PLAN	240	SD814	C	STRUCTURAL - STORY STATION PEDESTRIAN OVERCROSSING - SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3	ELEVATORS			
186	MF511	B	FIRE PROTECTION - STORY STATION - PLATFORM LEVEL - SHEET 1 OF 2	241	SD815	C	STRUCTURAL - STORY STATION PEDESTRIAN OVERCROSSING - SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3	296	VP001	C	GENERAL ELEVATOR - INFORMATION
187	MF512	B	FIRE PROTECTION - STORY STATION - PLATFORM LEVEL - SHEET 2 OF 2	242	SP851	C	STRUCTURAL - EASTRIDGE STATION - EASTRIDGE SIGNALS/COMM HOUSE PLANS	297	VP002	C	PLANS AND HOISTWAY SECTION - ELEVATOR 1 EAST
188	MF800	B	FIRE PROTECTION - EASTRIDGE STATION - KEY PLAN	243	SD851	C	STRUCTURAL - EASTRIDGE STATION - EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 1	298	VP003	C	PLANS AND HOISTWAY SECTION - ELEVATOR 2 WEST
189	MF801	B	FIRE PROTECTION - EASTRIDGE STATION - PLATFORM PLAN 1 - SHEET 1 OF 3	244	SD852	C	STRUCTURAL - EASTRIDGE STATION - EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 2	299	VP004	C	PLANS AND HOISTWAY SECTION - ELEVATOR 3 MEDIAN
190	MF802	B	FIRE PROTECTION - EASTRIDGE STATION - PLATFORM PLAN 2 - SHEET 2 OF 3	245	SD853	C	STRUCTURAL - STORY STATION PEDESTRIAN OVERCROSSING - EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 3	SIGNAGE			
191	MF803	B	FIRE PROTECTION - EASTRIDGE STATION - PLATFORM PLAN 3 - SHEET 3 OF 3	246	SD854	C	STRUCTURAL - STORY STATION PEDESTRIAN OVERCROSSING - EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 4	300	SG100	B	ARCHITECTURAL - GRAPHIC STANDARDS
192	MF911	B	FIRE PROTECTION - PIPING DIAGRAMS	247	SP581	A	STRUCTURAL - STORY STATION SUPPORTED PLATFORM - SUPPORTED PLATFORM FRAMING PLAN	301	SG101	B	ARCHITECTURAL - SIGN TYPE MENU
193	MF921	B	FIRE PROTECTION - TYPICAL DETAILS - SHEET 1 OF 2	248	SD581	A	STRUCTURAL - STORY STATION SUPPORTED PLATFORM - SUPPORTED PLATFORM DETAILS No. 1	302	SG500	B	ARCHITECTURAL - STORY STATION SIGNAGE LOCATION PLAN - GROUND LEVEL
194	MF922	B	FIRE PROTECTION - TYPICAL DETAILS - SHEET 2 OF 2	249	SD582	A	STRUCTURAL - STORY STATION SUPPORTED PLATFORM - SUPPORTED PLATFORM DETAILS No. 2	303	SG501	B	ARCHITECTURAL - STORY STATION LOCATION PLAN - PLATFORM LEVEL
STRUCTURES				250	SD583	A	STRUCTURAL - STORY STATION SUPPORTED PLATFORM - SUPPORTED PLATFORM DETAILS No. 3	304	SG502	B	ARCHITECTURAL - STORY STATION LOCATION PLAN - PEDESTRIAN BRIDGE
195	SP501	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - ACCESS STRUCTURES GENERAL PLAN	251	SD584	A	STRUCTURAL - STORY STATION SUPPORTED PLATFORM - SUPPORTED PLATFORM DETAILS No. 4	305	SG503	B	ARCHITECTURAL - EASTRIDGE STATION SIGNAGE LOCATION - PLAN PLATFORM LEVEL
196	SP502	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST ACCESS STRUCTURE FRAMING PLAN	252	SD591	A	STRUCTURAL - STORY STATION SIGNALS/COMM HOUSE - SIGNALS/COMM HOUSE DETAILS No. 1	306	SG600	B	ARCHITECTURAL - SIGN TYPE 1: STATION - IDENTIFICATION PYLON
197	SU501	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST ACCESS STRUCTURE FOUNDATION PLAN	253	SD592	A	STRUCTURAL - STORY STATION SIGNALS/COMM HOUSE - SIGNALS/COMM HOUSE DETAILS No. 2	307	SG601	B	ARCHITECTURAL - SIGN TYPE 2: STATION IDENTIFICATION ON - AERIAL GUIDEWAY
198	SP503	B	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - WEST ACCESS STRUCTURE FRAMING PLAN	254	SD593	A	STRUCTURAL - STORY STATION SIGNALS/COMM HOUSE - SIGNALS/COMM HOUSE DETAILS No. 3	308	SG602	B	ARCHITECTURAL - SIGN TYPE 10: DESTINATION - PLATFORM SIGNAGE
199	SU502	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - WEST ACCESS STRUCTURE FOUNDATION PLAN	255	SP621	C	STRUCTURAL - STORY STATION POC - GENERAL PLAN	309	SG603	B	ARCHITECTURAL - SIGN TYPE 18: ACCESSIBLE SIGNAGE
200	SP504	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURE FRAMING PLAN	256	SP622	B	STRUCTURAL - STORY STATION POC - GENERAL NOTES	310	SG604	B	ARCHITECTURAL - SIGN TYPE 19: WARNING SIGNAGE
201	SU503	B	STRUCTURAL - SOUTH MEDIAN ACCESS STRUCTURE - FOUNDATION PLAN	257	SP623	A	STRUCTURAL - STORY STATION POC - STAGING SEQUENCE No. 1	311	SG605	B	ARCHITECTURAL - SIGN TYPE 20: RESTRICTIVE SIGNAGE
202	SP505	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURE - NORTH MEDIAN ACCESS STRUCTURE FRAMING PLAN	258	SP624	A	STRUCTURAL - STORY STATION POC - STAGING SEQUENCE No. 2	312	SG606	B	ARCHITECTURAL - SIGN TYPE 21: INFORMATION SIGNAGE
203	SU504	C	STRUCTURAL - NORTH MEDIAN ACCESS STRUCTURE - FOUNDATION PLAN	259	SU621	B	STRUCTURAL - STORY STATION POC - FOUNDATION PLAN	313	SG607	B	ARCHITECTURAL - SIGN TYPE 18, 19, 20 & 21: - MOUNTING DETAILS
204	SD501	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - ACCESS STRUCTURES PILE DETAILS	260	SC621	A	STRUCTURAL - STORY STATION POC - BENT 1 LAYOUT	314	SG608	B	ARCHITECTURAL - SIGN TYPE 22: ADA BRAILLE - ROOM IDENTIFICATION
205	SP510	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - WEST ACCESS STRUCTURES ELEVATORS ELEVATIONS	261	SC622	A	STRUCTURAL - STORY STATION POC - BENT 2 LAYOUT	315	SG609	B	ARCHITECTURAL - SIGN TYPE 23: OVERHEAD - IDENTIFICATION
206	SP511	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - WEST ACCESS STRUCTURES ELEVATORS ENLARGED PLANS	262	SC623	A	STRUCTURAL - STORY STATION POC - BENTS 3 & 4 LAYOUT No. 1	316	SG610	B	ARCHITECTURAL - SIGN TYPE 24: ADA BRAILLE - ELEVATOR IDENTIFICATION
207	SP512	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST ACCESS STRUCTURES ELEVATORS ENLARGED PLANS	263	SC624	A	STRUCTURAL - STORY STATION POC - BENTS 3 & 4 LAYOUT No. 2	317	SG611	B	ARCHITECTURAL - SIGN TYPE 25: DOUBLE POST - STATION IDENTIFICATION
208	SP513	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST ACCESS STRUCTURES ELEVATOR ENLARGED PLANS	264	SC625	A	STRUCTURAL - STORY STATION POC - BENT DETAILS No. 1	318	SG612	B	ARCHITECTURAL - SIGN TYPE 26: FENCE MOUNTED - STATION IDENTIFICATION
209	SD511	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 1	265	SC626	A	STRUCTURAL - STORY STATION POC - BENT DETAILS No. 2	319	SG613	B	ARCHITECTURAL - SIGN TYPE 31: KIOSK - STATION IDENTIFICATION
210	SD512	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2	266	SC627	A	STRUCTURAL - STORY STATION POC - BENT DETAILS No. 3				
211	SD513	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 3	267	SC628	A	STRUCTURAL - STORY STATION POC - BENT DETAILS No. 4				
212	SD519	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST, WEST & SOUTH ACCESS STRUCTURES FOUNDATION DETAILS	268	SC629	A	STRUCTURAL - STORY STATION POC - BENT DETAILS No. 5				
213	SD520	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST & WEST ACCESS STRUCTURES STAIRS DETAILS No. 1	269	SC634	B	STRUCTURAL - STORY STATION POC - ARCH LAYOUT No. 1				
214	SD521	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST & WEST ACCESS STRUCTURES STAIRS DETAILS No. 2	270	SC635	B	STRUCTURAL - STORY STATION POC - ARCH LAYOUT No. 2				
215	SP531	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURE ELEVATOR ELEVATIONS	271	SC636	A	STRUCTURAL - STORY STATION POC - ARCH DETAILS No. 1				
216	SP532	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURE ELEVATOR ENLARGED PLANS	272	SC637	A	STRUCTURAL - STORY STATION POC - ARCH DETAILS No. 2				
217	SD531	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - SOUTH MEDIAN ACCESS STRUCTURES ELEVATORS DETAILS No. 1	273	SC638	A	STRUCTURAL - STORY STATION POC - ARCH DETAILS No. 3				
218	SD532	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2	1274	SC639	A	STRUCTURAL - STORY STATION POC - ARCH DETAILS No. 4				
219	SD533	C	STRUCTURAL - STORY STATION AND ACCESS STRUCTURES - EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2	275	SR621	B	STRUCTURAL - STORY STATION POC - DECK FRAMING PLAN No. 1				
				276	SR622	B	STRUCTURAL - STORY STATION POC - DECK FRAMING PLAN No. 2				

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED: **BKF 100+** YEARS ENGINEERS / SURVEYORS / PLANNERS

DESIGNED	C. Chi	CHECKED	M. Cosentino
DRAWN	A. Hernandez	CADD FILE NAME	801GN013.dwg

Santa Clara Valley Transportation Authority

APPROVED: **BKF 100+** YEARS ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE	03/06/20	SCALE	NTS
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

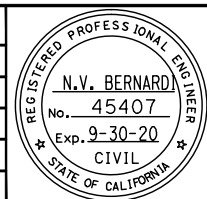
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL SHEET INDEX - 9 VOLUME 3 (2 OF 2)			SHEET OF
			DRAWING NO. GN013
			REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION	PROJECTWISE

DRAWING INDEX VOLUME 4

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
GENERAL											
1	GN001	C	GENERAL - TITLE	56	PD204	B	OVERHEAD CONTACT SYSTEM - CANTILEVER ARM ASSEMBLIES - CA-A3, CA-B1, CA-B1H	114	PD403	B	OVERHEAD CONTACT SYSTEM - STAGING PLANS - SHEET 3 OF 3
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE	57	PD205	B	OVERHEAD CONTACT SYSTEM - CANTILEVER ARM ASSEMBLIES - CA-C1	115	PD404	A	OVERHEAD CONTACT SYSTEM - STAGING PLANS - SCAT OCS INSTALLATION RECOMMENDATION
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE	58	PD206	B	OVERHEAD CONTACT SYSTEM - CANTILEVER ARM ASSEMBLIES - CA-D1, CA-D2	LRT SIGNALS			
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION	59	PD207	B	OVERHEAD CONTACT SYSTEM - COUNTERWEIGHT ASSEMBLY - CW-01	116	JG101	C	LRT SIGNALS - ABBREVIATIONS
5	GN014	B	GENERAL - SHEET INDEX - 10 - VOLUME 4 (1 OF 4)	60	PD208	B	OVERHEAD CONTACT SYSTEM - DOWN GUY ASSEMBLY - DGA-1, DGA-2	117	JG102	C	LRT SIGNALS - SYMBOLS
6	GN015	B	GENERAL - SHEET INDEX - 11 - VOLUME 4 (2 OF 4)	61	PD209	B	OVERHEAD CONTACT SYSTEM - FIXED END ASSEMBLY - FT-01	118	JS101	C	LRT SIGNALS - SINGLE LINE PLAN - (SHEET 1 OF 3)
7	GN016	B	GENERAL - SHEET INDEX - 12 - VOLUME 4 (3 OF 4)	62	PD210	B	OVERHEAD CONTACT SYSTEM - FEED POINT RELOCATION - AT EXISTING STR. 12.47C	119	JS102	C	LRT SIGNALS - SINGLE LINE PLAN - (SHEET 2 OF 3)
8	GN017	A	GENERAL - SHEET INDEX - 13 - VOLUME 4 (4 OF 4)	63	PD211	B	OVERHEAD CONTACT SYSTEM - HANGER ASSEMBLIES - HA-01 & HA-02	120	JS103	C	LRT SIGNALS - SINGLE LINE PLAN - (SHEET 3 OF 3)
9	GN019	C	GENERAL - ABBREVIATIONS - 1	64	PD212	B	OVERHEAD CONTACT SYSTEM - HANGER LENGTH TABLES - HS-50 THRU HS-150	121	JD101	C	LRT SIGNALS - DOUBLE LINE PLAN - (SHEET 1 OF 3)
10	GN020	C	GENERAL - ABBREVIATIONS - 2	65	PD213	B	OVERHEAD CONTACT SYSTEM - HANGER LENGTH TABLES - HS-155 THRU HS-240	122	JD102	C	LRT SIGNALS - DOUBLE LINE PLAN - (SHEET 2 OF 3)
11	GN021	C	GENERAL - ABBREVIATIONS - 3	66	PD214	B	OVERHEAD CONTACT SYSTEM - HANGER LENGTH TABLES - NON STANDARD HM- & HT- HANGER SETS	123	JD103	C	LRT SIGNALS - DOUBLE LINE PLAN - (SHEET 3 OF 3)
12	GN022	C	GENERAL - ABBREVIATIONS - 4	67	PD215	B	OVERHEAD CONTACT SYSTEM - HANGER LENGTH TABLES - NON STANDARD HB- & HTS- HANGER SETS	124	JR101	C	LRT SIGNALS - ROUTE & ASPECT PLAN - NORTHBOUND (SHEET 1 OF 2)
13	GN023	C	GENERAL - ABBREVIATIONS - 5	68	PD216	B	OVERHEAD CONTACT SYSTEM - HANGER LENGTH TABLES - OVERLAP SPANS HO- HANGER SETS	125	JR102	C	LRT SIGNALS - ROUTE & ASPECT PLAN - NORTHBOUND (SHEET 2 OF 2)
OVERHEAD CONTACT SYSTEM											
14	PG001	C	OVERHEAD CONTACT SYSTEM - ABBREVIATIONS	69	PD217	B	OVERHEAD CONTACT SYSTEM - JUMPER ASSEMBLIES - TYPE A, B & C	126	JR103	C	LRT SIGNALS - ROUTE & ASPECT PLAN - SOUTHBOUND (SHEET 1 OF 2)
15	PG002	C	OVERHEAD CONTACT SYSTEM - LEGEND	70	PD218	B	OVERHEAD CONTACT SYSTEM - FEED POINT ASSEMBLIES - TYPE F1, F2 & F3	127	JR104	C	LRT SIGNALS - ROUTE & ASPECT PLAN - SOUTHBOUND (SHEET 2 OF 2)
16	PG003	C	OVERHEAD CONTACT SYSTEM - GENERAL NOTES	71	PD219	B	OVERHEAD CONTACT SYSTEM - BY-PASS JUMPER ASSEMBLIES - TYPE BP1 & BP2	128	JR105	C	LRT SIGNALS - ROUTE & ASPECT PLAN - EASTRIDGE INTERLOCKING
17	PG004	C	OVERHEAD CONTACT SYSTEM - TECHNICAL DIRECTIVES - CONDUCTOR PARTICULARS & TENSIONS	72	PD220	B	OVERHEAD CONTACT SYSTEM - POLE MOUNTED DISC SWITCH - DS-01 & BDS-01	129	JC101	C	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - SYSTEM BLOCK DIAGRAM
18	PG005	C	OVERHEAD CONTACT SYSTEM - PANTOGRAPH SECURITY ANALYSES	73	PD221	B	OVERHEAD CONTACT SYSTEM - SURGE ARRESTER ASSEMBLY - SU-01	130	JC102	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL CODED TRACK CIRCUITS
19	PG006	B	OVERHEAD CONTACT SYSTEM - INSTALLATION TENSION TABLES - PARALLEL FEEDERS & MP	74	PD222	B	OVERHEAD CONTACT SYSTEM - KNUCKLE ASSEMBLIES - KN-01, KN-02 & KN-03	131	JC103	C	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL POS TRACK CIRCUITS
20	PG007	B	OVERHEAD CONTACT SYSTEM - ALONG TRACK MOVEMENT CHART	75	PD223	B	OVERHEAD CONTACT SYSTEM - MIDPOINT ANCHOR ASSEMBLY - MP-01	132	JC104	C	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL SWITCH CIRCUITS. SINGLE SWITCH
21	PG008	A	OVERHEAD CONTACT SYSTEM - INSTALLATION TENSION TABLES - MW AND CW	76	PD224	B	OVERHEAD CONTACT SYSTEM - TYPICAL POLE ASSEMBLY - C3, D3, E3	133	JC105	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL SIGNAL CIRCUITS. CROSSOVER. 1 OF 3
22	TP101	C	OVERHEAD CONTACT SYSTEM - SECTIONALIZING DIAGRAM	77	PD225	B	OVERHEAD CONTACT SYSTEM - FEEDER POLE ASSEMBLY - C3F, D3F, E3F	134	JC106	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL SIGNAL CIRCUITS. CROSSOVER. 2 OF 3
23	TP102	A	OVERHEAD CONTACT SYSTEM - SECTIONALIZING DIAGRAM - TPSS 27 - TPSS 28	78	PD227	B	OVERHEAD CONTACT SYSTEM - COUNTERWEIGHT POLE ASSEMBLY - T2	135	JC107	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL SIGNAL CIRCUITS. CROSSOVER. 3 OF 3
24	PM001	C	OVERHEAD CONTACT SYSTEM - MASTER OVERLAP CHART	79	PD228	B	OVERHEAD CONTACT SYSTEM - GROUNDING ASSEMBLIES - PG-1, DG-1	136	JC108	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL SIGNAL LIGHTING CIRCUITS
25	PC001	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 962+23(E) TO 973+00	80	PD229	B	OVERHEAD CONTACT SYSTEM - SURGE ARRESTER GROUNDING DETAILS	137	JC109	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TWC INTERROGATOR (ER1V)
26	PC002	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 973+00 TO 982+00	81	PD230	B	OVERHEAD CONTACT SYSTEM - IN-SPAN ASSEMBLIES - IS-01, IS-02, IS-03 AND SI-01	138	JC110	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TWC INTERROGATOR (ER2V)
27	PC003	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 982+00 TO 991+00	82	PD231	B	OVERHEAD CONTACT SYSTEM - POLE NUMBERING & - RESTRICTED CLEARANCE SIGN	139	JC111	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TWC INTERROGATOR (ER3V)
28	PC004	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 991+00 TO 1000+00	83	PD232	A	OVERHEAD CONTACT SYSTEM - PARALLEL FEEDER ASSEMBLIES - FBA-01, FBA-02, FSA-01	140	JC112	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TWC LOOPS (C140V,C141V,C142V,C143)
29	PC005	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1000+00 TO 1009+00	84	PD233	A	OVERHEAD CONTACT SYSTEM - PARALLEL FEEDER TERMINATION - ASSEMBLY PFT-01	141	JC113	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TWC LOOPS (C150V,C152V)
30	PC006	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1009+00 TO 1018+00	85	PD251	B	OVERHEAD CONTACT SYSTEM - TEMPORARY SPRING TENSION ASSEMBLY	142	JC114	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TWC LOOPS (C151V,C152V,C153V)
31	PC007	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1018+00 TO 1027+00	86	PD252	B	OVERHEAD CONTACT SYSTEM - EXISTING FEEDER DISC SWITCH - POLE 12.47C & 12.48C	143	JC115	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - TYPICAL TWC LOOP OUTPUTS
32	PC008	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1027+00 TO 1036+00	87	PD253	B	OVERHEAD CONTACT SYSTEM - GROUNDING DETAILS - AT CAPITOL AERIAL GUIDEWAY	144	JC116	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - MICROPROCESSOR "A" MODULE CONFIGURATION
33	PC009	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1036+00 TO 1045+00	88	PD254	C	OVERHEAD CONTACT SYSTEM - CROSSOVER ARRANGEMENT - SHEET 1 OF 2	145	JC117	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - MICROPROCESSOR "B" MODULE CONFIGURATION
34	PC010	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1045+00 TO 1054+00	89	PD255	B	OVERHEAD CONTACT SYSTEM - CROSSOVER ARRANGEMENT - SHEET 2 OF 2	146	JC118	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - LOCAL CONTROL PANEL
35	PC011	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1054+00 TO 1063+00	90	PD256	B	OVERHEAD CONTACT SYSTEM - CANTILEVER ARM ASSEMBLY - CA-T1	147	JC119	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - CONTROL AND INDICATION CHART "A"
36	PC012	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1063+00 TO 1072+00	91	PD257	B	OVERHEAD CONTACT SYSTEM - HEADSPAN ASSEMBLY - HD-01	148	JC120	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - CONTROL AND INDICATION CHART "A"
37	PC013	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1072+00 TO 1081+00	92	PD258	A	OVERHEAD CONTACT SYSTEM - BY-PASS JUMPER ASSEMBLIES - TYPE BP3	149	JC121	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOT 1 "A"
38	PC014	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1081+00 TO 1090+00	93	PD259	A	OVERHEAD CONTACT SYSTEM - PARALLEL FEEDER ARRANGEMENT - AT STORY STATION	150	JC122	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOT 2 "A"
39	PC015	C	OVERHEAD CONTACT SYSTEM - LAYOUT SCHEDULE - 1090+00 TO 1096+00	94	PD261	B	OVERHEAD CONTACT SYSTEM - OCS PROFILE - WIRE RUN NO. 84	151	JC123	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOTS 3-6 "A"
40	PC101	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 880+00 TO 890+00	95	PD262	B	OVERHEAD CONTACT SYSTEM - OCS PROFILE - WIRE RUN NO. 88	152	JC124	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOTS 7-9 "A"
41	PC102	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 890+00 TO 900+00	96	PD263	B	OVERHEAD CONTACT SYSTEM - OCS PROFILE - WIRE RUN NO. 83	153	JC125	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOT 1 "B"
42	PC103	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 900+00 TO 910+00	97	PD264	B	OVERHEAD CONTACT SYSTEM - OCS PROFILE - WIRE RUN NO. 87	154	JC126	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOT 2 "B"
43	PC104	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 910+00 TO 920+00	98	PD265	B	OVERHEAD CONTACT SYSTEM - OCS PROFILE - WIRE RUN NO. 92	155	JC127	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOTS 3-6 "B"
44	PC105	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 920+00 TO 930+00	99	PD266	B	OVERHEAD CONTACT SYSTEM - OCS PROFILE - WIRE RUN NO. 94	156	JC128	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - ELECTROLOGIXS I/O SLOTS 7-9 "B"
45	PC106	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 930+00 TO 940+00	100	PD267	B	OVERHEAD CONTACT SYSTEM - OCS PROFILES - WIRE RUN NO. 91	157	JC129	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - EVENT RECORDER
46	PC107	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 940+00 TO 950+00	101	PD268	B	OVERHEAD CONTACT SYSTEM - OCS PROFILES - WIRE RUN NO. 93	158	JC130	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - COMMUNICATION SYSTEM DIAGRAM
47	PC108	A	OCS PARALLEL FEEDERS 27-28 - LAYOUT SCHEDULE - 950+00 TO 960+00	102	PD271	B	OVERHEAD CONTACT SYSTEM - POLE EXTENSION ASSEMBLY - PE-01, PE-02, AND PE-03	159	JC131	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - CROSSING TRACK CIRCUITS
48	PD101	C	OVERHEAD CONTACT SYSTEM - TYPICAL STRUCTURES - AT GRADE	103	PD272	B	OVERHEAD CONTACT SYSTEM - TERMINAL BRACKET ARM - FTA-01	160	JC132	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - CROSSING CONTROLLER (PED XING 1A & 1B)
49	PD102	C	OVERHEAD CONTACT SYSTEM - TYPICAL STRUCTURES - AT CAPITOL AERIAL GUIDEWAY	104	PD273	B	OVERHEAD CONTACT SYSTEM - PARALLEL FEEDER TERMINATION - ASSEMBLY PFT-02	161	JC133	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - LIGHTING SURGE PANEL (PED XING 1A & 1B)
50	PD103	C	OVERHEAD CONTACT SYSTEM - UNINSULATED OVERLAP ARRANGEMENT	105	PD274	B	OVERHEAD CONTACT SYSTEM - HEAD GUY ASSEMBLY - HG-01	162	JC134	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - GATE, LIGHTS & BELL CIRCUITS (PED XING 1A)
51	PD104	C	OVERHEAD CONTACT SYSTEM - INSULATED OVERLAP ARRANGEMENT	106	PD275	A	OVERHEAD CONTACT SYSTEM - MISCELLANEOUS ASSEMBLIES - WAI-01, BH-01A, PSA-01	163	JC135	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - GATE, LIGHTS & BELL CIRCUITS (PED XING 1B)
52	PD105	C	OVERHEAD CONTACT SYSTEM - MIDPOINT ANCHOR ARRANGEMENT	107	PD301	B	OVERHEAD CONTACT SYSTEM - STRUCTURE AND FOUNDATION SCHEDULE	164	JC136	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - CROSSING CONTROLLER (PED XING 2A & 2B)
53	PD201	C	OVERHEAD CONTACT SYSTEM - SPLIT TENSION AIRBREAK ASSEMBLY	108	PD302	A	OCS PARALLEL FEEDER 27-28 - STRUCTURE AND FOUNDATION SCHEDULE	165	JC137	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - LIGHTING SURGE PANEL (PED XING 2A & 2B)
54	PD202	B	OVERHEAD CONTACT SYSTEM - BRACKET ASSEMBLIES	109	PD303	C	OVERHEAD CONTACT SYSTEM - STANDARD POLE FOUNDATION DETAIL - FS2, FS3	166	JC138	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - GATE, LIGHTS & BELL CIRCUITS (PED XING 2A)
55	PD203	B	OVERHEAD CONTACT SYSTEM - CANTILEVER ARM ASSEMBLIES - CA-A1, CA-A2	110	PD304	B	OVERHEAD CONTACT SYSTEM - FEEDER POLE FOUNDATION DETAIL - FF2, FF3	167	JC139	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - GATE, LIGHTS & BELL CIRCUITS (PED XING 2B)
				111	PD305	B	OVERHEAD CONTACT SYSTEM - DOWN GUY FOUNDATION DETAIL - FG-1A, FG-1B	168	JC140	C	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - POWER DISTRIBUTION
				112	PD401	B	OVERHEAD CONTACT SYSTEM - STAGING PLANS - SHEET 1 OF 3	169	JC1341	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - EQUIPMENT ROOM LAYOUT
				113	PD402	B	OVERHEAD CONTACT SYSTEM - STAGING PLANS - SHEET 2 OF 3	170	JC142	B	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - RACK LAYOUTS

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SUBMITTED: C. Chi (DESIGNED), M. Cosentino (CHECKED)

 DRAWN: A. Hernandez, CADD FILE NAME: 801GN014.dwg

APPROVED: CADD FILE DATE: 03/06/19, SCALE: NTS

 SUBMITTAL DATE: 06/29/20, BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 SHEET INDEX - 10
 VOLUME 4 (1 OF 4)

SHEET OF: GN014
 DRAWING NO.: GN014
 REVISION: B

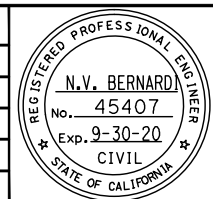
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DRAWING INDEX VOLUME 4

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
171	JL101	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (1 OF 18)	229	JL159	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (17 OF 18)	283	JL325	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - VITAL LOGIC (1 OF 3)
172	JL102	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (2 OF 18)	230	JL160	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (18 OF 18)	284	JL326	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - VITAL LOGIC (2 OF 3)
173	JL103	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (3 OF 18)					285	JL327	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - VITAL LOGIC (3 OF 3)
174	JL104	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (4 OF 18)	231	JC201	B	LRT SIGNAL SYSTEMS - STORY STATION - SYSTEM BLOCK DIAGRAM				
175	JL105	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (5 OF 18)	232	JC202	B	LRT SIGNAL SYSTEMS - STORY STATION - CODED TRACK CIRCUITS (1 OF 2)	286	JC351	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - SYSTEM BLOCK DIAGRAM
176	JL106	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (6 OF 18)	233	JC203	B	LRT SIGNAL SYSTEMS - STORY STATION - CODED TRACK CIRCUITS (2 OF 2)	287	JC352	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - CODED TRACK CIRCUITS (1 OF 2)
177	JL107	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (7 OF 18)	234	JC204	B	LRT SIGNAL SYSTEMS - STORY STATION - POS TRACK CIRCUITS (1 OF 2)	288	JC353	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - CODED TRACK CIRCUITS (2 OF 2)
178	JL108	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (8 OF 18)	235	JC205	B	LRT SIGNAL SYSTEMS - STORY STATION - POS TRACK CIRCUITS (2 OF 2)	289	JC354	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - MICROPROCESSOR MODULE CONFIGURATION
179	JL109	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (9 OF 18)	236	JC206	B	LRT SIGNAL SYSTEMS - STORY STATION - SIGNAL LIGHTING CIRCUITS	290	JC355	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - POWER DISTRIBUTION
180	JL110	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (10 OF 18)	237	JC207	B	LRT SIGNAL SYSTEMS - STORY STATION - TWC INTERROGATOR (SY1V)	291	JC356	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - SIGNAL CASE - EQUIPMENT LAYOUT
181	JL111	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (11 OF 18)	238	JC208	B	LRT SIGNAL SYSTEMS - STORY STATION - TWC LOOPS (C123AV,C125AV,C140AV,C142AV)	292	JC357	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - COMMUNICATION SYSTEM DIAGRAM
182	JL112	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (12 OF 18)	239	JC209	B	LRT SIGNAL SYSTEMS - STORY STATION - MICROPROCESSOR MODULE CONFIGURATION	293	JC358	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - ELECTROLOGIXS I/O SLOTS 1-2
183	JL113	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (13 OF 18)	240	JC210	B	LRT SIGNAL SYSTEMS - STORY STATION - CONTROL AND INDICATION CHART				
184	JL114	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (14 OF 18)	241	JC211	A	LRT SIGNAL SYSTEMS - STORY STATION - ELECTROLOGIXS I/O SLOTS 1-2	294	JL351	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - VITAL LOGIC (1 OF 3)
185	JL115	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (15 OF 18)	242	JC212	A	LRT SIGNAL SYSTEMS - STORY STATION - ELECTROLOGIXS I/O SLOT 3	295	JL352	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - VITAL LOGIC (2 OF 3)
186	JL116	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (16 OF 18)	243	JC213	A	LRT SIGNAL SYSTEMS - STORY STATION - ELECTROLOGIXS I/O SLOTS 4-6	296	JL353	A	LRT SIGNAL SYSTEMS - CUT SECTION 1028+90. SIGNAL CASE SC1029 - VITAL LOGIC (3 OF 3)
187	JL117	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (17 OF 18)	244	JC214	B	LRT SIGNAL SYSTEMS - STORY STATION - HAWK RECORDER				
188	JL118	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - NON-VITAL LOGIC, ELECTROLOGIX "A" (18 OF 18)	245	JC215	B	LRT SIGNAL SYSTEMS - STORY STATION - COMMUNICATION SYSTEM DIAGRAM	297	JC375	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - SYSTEM BLOCK DIAGRAM
				246	JC216	B	LRT SIGNAL SYSTEMS - STORY STATION - POWER DISTRIBUTION	298	JC376	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - CODED TRACK CIRCUITS (1 OF 2)
189	JL119	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (1 OF 24)	247	JC217	B	LRT SIGNAL SYSTEMS - STORY STATION - EQUIPMENT ROOM LAYOUT	299	JC377	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - CODED TRACK CIRCUITS (2 OF 2)
190	JL120	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (2 OF 24)	248	JC218	B	LRT SIGNAL SYSTEMS - STORY STATION - RACK LAYOUTS	300	JC378	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - MICROPROCESSOR MODULE CONFIGURATION
191	JL121	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (3 OF 24)					301	JC379	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - POWER DISTRIBUTION
192	JL122	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (4 OF 24)	249	JL201	A	LRT SIGNAL SYSTEMS - STORY STATION - NON-VITAL LOGIC (1 OF 3)	302	JC380	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - SIGNAL CASE - EQUIPMENT LAYOUT
193	JL123	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (5 OF 24)	250	JL202	A	LRT SIGNAL SYSTEMS - STORY STATION - NON-VITAL LOGIC (2 OF 3)	303	JC381	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - ELECTROLOGIXS I/O SLOTS 1-2
194	JL124	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (6 OF 24)	251	JL203	A	LRT SIGNAL SYSTEMS - STORY STATION - NON-VITAL LOGIC (3 OF 3)				
195	JL125	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (7 OF 24)					304	JL375	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - VITAL LOGIC (1 OF 3)
196	JL126	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (8 OF 24)	252	JL204	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (1 OF 11)	305	JL376	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - VITAL LOGIC (2 OF 3)
197	JL127	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (9 OF 24)	253	JL205	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (2 OF 11)	306	JL377	A	LRT SIGNAL SYSTEMS - CUT SECTION 1038+90. SIGNAL CASE SC1039 - VITAL LOGIC (3 OF 3)
198	JL128	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (10 OF 24)	254	JL206	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (3 OF 11)				
199	JL129	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (11 OF 24)	255	JL207	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (4 OF 11)	307	JC401	B	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - SINGLE LINE SCHEMATIC
200	JL130	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (12 OF 24)	256	JL208	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (5 OF 11)	308	JC402	B	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ROUTE AND ASPECTS
201	JL131	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (13 OF 24)	257	JL209	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (6 OF 11)	309	JC403	B	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - DOUBLE LINE SCHEMATIC
202	JL132	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (14 OF 24)	258	JL210	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (7 OF 11)	310	JC404	B	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - SYSTEM CONFIGURATION BLOCK DIAGRAM
203	JL133	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (15 OF 24)	259	JL211	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (8 OF 11)	311	JC405	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS I/O SLOT 1 PH 1
204	JL134	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (16 OF 24)	260	JL212	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (9 OF 11)	312	JC406	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - CONTROL AND INDICATION CHART-PH 1
205	JL135	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (17 OF 24)	261	JL213	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (10 OF 11)	313	JC407	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - CONTROL AND INDICATION CHART-PH 1
206	JL136	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (18 OF 24)	262	JL214	A	LRT SIGNAL SYSTEMS - STORY STATION - VITAL LOGIC (11 OF 11)	314	JC408	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS SLOT 2 -PH 1
207	JL137	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (19 OF 24)					315	JC409	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS I/O SLOTS 4-6 -PH 1
208	JL138	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (20 OF 24)	263	JC301	B	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - SYSTEM BLOCK DIAGRAM	316	JC410	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS I/O SLOTS 7-9 -PH 1
209	JL139	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (21 OF 24)	264	JC302	B	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - CODED TRACK CIRCUITS (1 OF 2)	317	JC411	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - CONTROL AND INDICATION CHART-PH 2
210	JL140	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (22 OF 24)	265	JC303	B	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - CODED TRACK CIRCUITS (2 OF 2)	318	JC412	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - CONTROL AND INDICATION CHART-PH 2
211	JL141	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (23 OF 24)	266	JC304	B	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - MICROPROCESSOR MODULE CONFIGURATION	319	JC413	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS I/O SLOT 1 -PH 2
212	JL142	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "A" (24 OF 24)	267	JC305	B	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - POWER DISTRIBUTION	320	JC414	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS I/O SLOT 2 -PH 2
				268	JC306	B	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - SIGNAL CASE - EQUIPMENT LAYOUT	321	JC415	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS I/O SLOTS 3-6 -PH 2
213	JL143	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (1 OF 18)	269	JC307	A	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - COMMUNICATION SYSTEM DIAGRAM	322	JC416	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - ELECTROLOGIXS I/O SLOTS 7-9 -PH 2
214	JL144	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (2 OF 18)	270	JC308	A	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - ELECTROLOGIXS I/O SLOTS 1-2				
215	JL145	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (3 OF 18)	271	JC309	A	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - ELECTROLOGIXS I/O SLOTS 3-4	323	JL401	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (1 OF 9)
216	JL146	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (4 OF 18)					324	JL402	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (2 OF 9)
217	JL147	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (5 OF 18)	272	JL301	A	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - VITAL LOGIC (1 OF 4)	325	JL403	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (3 OF 9)
218	JL148	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (6 OF 18)	273	JL302	A	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - VITAL LOGIC (2 OF 4)	326	JL404	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (4 OF 9)
219	JL149	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (7 OF 18)	274	JL303	A	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - VITAL LOGIC (3 OF 4)	327	JL405	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (5 OF 9)
220	JL150	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (8 OF 18)	275	JL304	A	LRT SIGNAL SYSTEMS - CUT SECTION 968+75. SIGNAL CASE SC968 - VITAL LOGIC (4 OF 4)	328	JL406	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (6 OF 9)
221	JL151	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (9 OF 18)					329	JL407	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (7 OF 9)
222	JL152	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (10 OF 18)	276	JC325	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - SYSTEM BLOCK DIAGRAM	330	JL408	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (8 OF 9)
223	JL153	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (11 OF 18)	277	JC326	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - CODED TRACK CIRCUITS (1 OF 2)	331	JL409	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - NON-VITAL LOGIC (9 OF 9)
224	JL154	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (12 OF 18)	278	JC327	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - CODED TRACK CIRCUITS (2 OF 2)				
225	JL155	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (13 OF 18)	279	JC328	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - MICROPROCESSOR MODULE CONFIGURATION	332	JL410	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (1 OF 17)
226	JL156	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (14 OF 18)	280	JC329	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - POWER DISTRIBUTION	333	JL411	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (2 OF 17)
227	JL157	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (15 OF 18)	281	JC330	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - SIGNAL CASE - EQUIPMENT LAYOUT	334	JL412	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (3 OF 17)
228	JL158	A	LRT SIGNAL SYSTEMS - EASTRIDGE INTERLOCKING - VITAL LOGIC, ELECTROLOGIX "B" (16 OF 18)	282	JC331	A	LRT SIGNAL SYSTEMS - CUT SECTION 1011+40. SIGNAL CASE SC1011 - ELECTROLOGIXS I/O SLOTS 1-2	335	JL413	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (4 OF 17)

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BKF100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN015.dwg

Santa Clara Valley Transportation Authority

BKF100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 11
VOLUME 4 (2 OF 4)

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET OF: GN015
REVISION: B

DRAWING INDEX VOLUME 4

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
336	JL414	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (5 OF 17)	392	TP130	B	TRACTION POWER - SUBSTATION GROUND GRID - DETAILS	445	KB181	B	COMMUNICATIONS - POWER SINGLE LINE DIAGRAM - IDS CABINET, TYPICAL
337	JL415	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (6 OF 17)	393	TP131	B	TRACTION POWER - SUBSTATION GROUNDING DETAILS	446	KB182	B	POWER - SINGLE LINE DIAGRAM - TRACTION POWER SUBSTATION TYPICAL
338	JL416	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (7 OF 17)								
339	JL417	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (8 OF 17)	394	TP201	C	TRACTION POWER - TPSS #33 EQUIPMENT ARRANGEMENT - PLAN VIEW	447	KC001	B	COMMUNICATIONS - COMBINED SYSTEM DUCTBANK - CABLE PLAN 1 OF 5
340	JL418	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (9 OF 17)	395	TP202	A	TRACTION POWER - TPSS #34 EQUIPMENT ARRANGEMENT - PLAN VIEW	448	KC002	B	COMMUNICATIONS - COMBINED SYSTEM DUCTBANK - CABLE PLAN 2 OF 5
341	JL419	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (10 OF 17)	396	TP210	A	TRACTION POWER - TPSS #33 EXTERIOR ELEVATION VIEWS - SHEET 1 OF 2	449	KC003	B	COMMUNICATIONS - COMBINED SYSTEM DUCTBANK - CABLE PLAN 3 OF 5
342	JL420	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (11 OF 17)	397	TP211	A	TRACTION POWER - TPSS #33 EXTERIOR ELEVATION VIEWS - SHEET 2 OF 2	450	KC004	B	COMMUNICATIONS - COMBINED SYSTEM DUCTBANK - CABLE PLAN 4 OF 5
343	JL421	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (12 OF 17)	398	TP212	A	TRACTION POWER - TPSS #33 INTERIOR SECTION VIEWS - SHEET 1 OF 2	451	KC005	B	COMMUNICATIONS - COMBINED SYSTEM DUCTBANK - CABLE PLAN 5 OF 5
344	JL422	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (13 OF 17)	399	TP213	A	TRACTION POWER - TPSS #33 INTERIOR SECTION VIEWS - SHEET 2 OF 2	452	KC006	B	COMMUNICATIONS - COMBINED SYSTEM DUCTBANK - OVERALL CABLE PLAN
345	JL423	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (14 OF 17)	400	TP214	A	TRACTION POWER - TPSS #34 EXTERIOR ELEVATION VIEWS - SHEET 1 OF 2	453	KC101	B	COMMUNICATIONS - CABLE SCHEDULE - STORY ROAD STATION
346	JL424	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (15 OF 17)	401	TP215	A	TRACTION POWER - TPSS #34 EXTERIOR ELEVATION VIEWS - SHEET 2 OF 2	454	KC103	B	COMMUNICATIONS - CABLE SCHEDULE - EASTRIDGE STATION & STA. TO WAYSIDE
347	JL425	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (16 OF 17)	402	TP216	A	TRACTION POWER - TPSS #34 INTERIOR SECTION VIEWS - SHEET 1 OF 2	455	KC105	B	COMMUNICATIONS - CABLE SCHEDULE - IDS LOCATIONS 1-4
348	JL426	A	LRT SIGNAL SYSTEMS - ALUM ROCK INTERLOCKING - VITAL LOGIC (17 OF 17)	403	TP217	A	TRACTION POWER - TPSS #34 INTERIOR SECTION VIEWS - SHEET 2 OF 2	456	KC106	B	COMMUNICATIONS - CABLING DETAILS - IDS LOCATIONS 1-4
								457	KD001	B	COMMUNICATIONS - INSTALLATION DETAILS - STATION EQUIPMENT ROOM RACK
349	JP101	B	LRT SIGNAL SYSTEMS - HIGH SIGNAL FOUNDATION	404	TP300	C	TRACTION POWER - TPSS #33 - SUBSTATION EQUIPMENT PLAN	458	KD003	C	COMMUNICATIONS - INSTALLATION DETAILS - TPSS COMMUNICATIONS
350	JP102	B	LRT SIGNAL SYSTEMS - TRACK CIRCUITS AND TWC CONNECTIONS	405	TP301	C	TRACTION POWER - TPSS #34 - SUBSTATION EQUIPMENT PLAN	459	KD004	C	COMMUNICATIONS - INSTALLATION DETAILS - CSD CABLE RACKING / ROUTING
351	JP103	B	LRT SIGNAL SYSTEMS - TWC LOOP					460	KD005	C	COMMUNICATIONS - INSTALLATION DETAILS - STATION COMMS GROUNDING
352	JP104	B	LRT SIGNAL SYSTEMS - SIGNAL/TWC/INS. JOINT INTERFACE	406	PT111	C	TRACTION POWER - TPSS #33 - SUBSTATION DUCTBANK PLAN	461	KD006	C	COMMUNICATIONS - INSTALLATION DETAILS - TYPICAL STA. LOCAL DISTRIBUTION FRAME
353	JP105	B	LRT SIGNAL SYSTEMS - HIGH SIGNAL DETAILS	407	PT112	C	TRACTION POWER - TPSS #34 - SUBSTATION EQUIPMENT PLAN	462	KD008	C	COMMUNICATIONS - INSTALLATION DETAILS CENTRAL - EQUIPMENT ROOM GROUNDING
354	JP106	B	LRT SIGNAL SYSTEMS - SWITCH LAYOUT - TIE INSTALLATION. 1 OF 4	408	PT120	A	TRACTION POWER - TPSS #33 FOUNDATION PLAN	463	KD107	C	COMMUNICATIONS - INSTALLATION DETAILS - PASSENGER INFO. MONITOR MOUNTING
355	JP107	B	LRT SIGNAL SYSTEMS - SWITCH LAYOUT - TIE INSTALLATION. 2 OF 4	409	PT121	A	TRACTION POWER - TPSS #34 FOUNDATION PLAN	464	KD110	C	COMMUNICATIONS - INSTALLATION DETAILS - PUBLIC ADDRESS SPEAKER MOUNTING
356	JP108	B	LRT SIGNAL SYSTEMS - SWITCH LAYOUT - DIRECT FIXATION INSTALLATION. 3 OF 4	410	PT122	A	TRACTION POWER - DUCTBANK STUB-UP DETAILS - AND FOUNDATION SECTIONS	465	KD111	B	COMMUNICATIONS - INSTALLATION DETAILS - PUBLIC ADDRESS SPEAKERS
357	JP109	B	LRT SIGNAL SYSTEMS - SWITCH LAYOUT - DIRECT FIXATION INSTALLATION. 4 OF 4	411	PT123	C	TRACTION POWER - TPSS #33 AND #34 - TYPICAL DUCTBANK SECTIONS	466	KD114	C	COMMUNICATIONS - INSTALLATION DETAILS - TELEPHONE MOUNTING - EMERGENCY
358	JP110	B	LRT SIGNAL SYSTEMS - STANDARD SIGNS	412	PT130	C	TRACTION POWER - DISCONNECT SWITCH AND - CABLE ARRANGEMENT	467	KD115	C	COMMUNICATIONS - INSTALLATION DETAILS - MAINTENANCE TELEPHONE MOUNTING
359	JP111	B	LRT SIGNAL SYSTEMS - SIGNAL CASE FOUNDATION DETAILS - BALLASTED TRACK	413	PT131	A	TRACTION POWER - TPSS #33 - POSITIVE MANHOLE DETAILS - AND DISCONNECT SWITCH LAYOUT	468	KD116	C	COMMUNICATIONS - INSTALLATION DETAILS - TVM AND CID MOUNTING
360	JP112	B	LRT SIGNAL SYSTEMS - PED XING GATE WITH SIDE LIGHTS	414	PT132	A	TRACTION POWER - TPSS #34 - POSITIVE MANHOLE DETAILS - AND DISCONNECT SWITCH LAYOUT	469	KD118	C	COMMUNICATIONS - INSTALLATION DETAILS - CCTV MOUNTING
361	JP113	B	LRT SIGNAL SYSTEMS - RAIL BONDING LAYOUT - SIGNALIZED TURNOUTS	415	PT133	A	TRACTION POWER - NEGATIVE AND COMMUNICATIONS - PULLBOX DETAILS	470	KD119	A	COMMUNICATIONS - INSTALLATION DETAILS - ACCESS CONTROL SYSTEM
362	JP114	B	LRT SIGNAL SYSTEMS - IMPEDANCE BOND INSTALLATION - BALLASTED TRACK. 1 OF 4	416	PT134	A	TRACTION POWER - NEGATIVE DRAINAGE PULLBOX - DETAILS	471	KD120	B	COMMUNICATIONS - INSTALLATION DETAILS - LIGHT POLE CONDUIT CABLE RUN
363	JP115	B	LRT SIGNAL SYSTEMS - IMPEDANCE BOND INSTALLATION - BALLASTED TRACK. 2 OF 4					472	KD122	C	COMMUNICATIONS - INSTALLATION DETAILS - LIGHT POLE BASE VARIATIONS
364	JP116	B	LRT SIGNAL SYSTEMS - IMPEDANCE BOND INSTALLATION - DIRECT FIXATION TRACK. 3 OF 4	417	PT201	A	SUBSTATION TPSS #33 - CABLE AND CONDUIT SCHEDULE - SHEET 1 OF 2	473	KD130	B	COMMUNICATIONS - INSTALLATION DETAILS - ELEVATOR SCADA
365	JP117	B	LRT SIGNAL SYSTEMS - IMPEDANCE BOND INSTALLATION - LAYOUT/CONNECTIONS. 4 OF 4	418	PT202	A	SUBSTATION TPSS #33 - CABLE AND CONDUIT SCHEDULE - SHEET 2 OF 2	474	KD131	B	COMMUNICATIONS - INSTALLATION DETAILS - SCADA RELAY DETAIL
366	JP118	B	LRT SIGNAL SYSTEMS - RAIL BONDING LAYOUT - SIGNALLED CROSSINGS	419	PT203	A	SUBSTATION TPSS #34 - CABLE AND CONDUIT SCHEDULE - SHEET 1 OF 2	475	KD140	B	COMMUNICATIONS - INTRUSION DETECTION SYSTEM - NORTH APPROACH INSTALLATION DETAILS
367	JP119	B	LRT SIGNAL SYSTEMS - GATE MAST ID SIGN	420	PT204	A	SUBSTATION TPSS #34 - CABLE AND CONDUIT SCHEDULE - SHEET 2 OF 2	476	KD142	A	COMMUNICATIONS - INTRUSION DETECTION SYSTEM - STORY STATION INSTALLATION DETAILS
368	JP120	B	LRT SIGNAL SYSTEMS - TWC MARKER SIGN	421	PT210	A	TPSS #33 AND TPSS #34 - MANHOLE AND PULLBOX SCHEDULE	477	KD144	A	COMMUNICATIONS - INTRUSION DETECTION SYSTEM - STORY STATION INSTALLATION DETAILS
369	JP121	B	LRT SIGNAL SYSTEMS - RED DISK AND PED "X" SIGNS					478	KE101	C	COMMUNICATIONS - EQUIPMENT LAYOUT - FLOOR PLAN, STORY STATION, SHEET 1 OF 3
370	JP122	B	LRT SIGNAL SYSTEMS - STANDARD SPEED SIGNS					479	KE102	C	COMMUNICATIONS - EQUIPMENT LAYOUT - FLOOR PLAN, STORY STATION, SHEET 2 OF 3
371	JP123	B	LRT SIGNAL SYSTEMS - SIGN POST INSTALLATION					480	KE103	C	COMMUNICATIONS - EQUIPMENT LAYOUT - FLOOR PLAN, STORY STATION, SHEET 3 OF 3
372	JP124	B	LRT SIGNAL SYSTEMS - SWITCH IDENTIFICATION SIGN					481	KE105	C	COMMUNICATIONS - EQUIPMENT LAYOUT - FLOOR PLAN, EASTRIDGE STATION
373	JP125	B	LRT SIGNAL SYSTEMS - "SWITCH MAY THROW" SIGN					482	KE111	C	COMMUNICATIONS - EQUIPMENT LAYOUT - FLOOR PLAN, RAIL OPS EQUIPMENT ROOM
374	JP126	B	LRT SIGNAL SYSTEMS - SIGNAL CASE DETAILS					483	KE113	C	COMMUNICATIONS - EQUIPMENT LAYOUT - FLOOR PLAN, STORY SIGNALS/COMM ROOM
375	JP127	B	LRT SIGNAL SYSTEMS - TRACK CIRCUIT JUNCTION BOX - DIRECT FIXATION TRACK (AERIAL STRUCTURE)					484	KE114	C	COMMUNICATIONS - EQUIPMENT LAYOUT - FLOOR PLAN, EASTRIDGE COMM ROOM
376	JP128	A	LRT SIGNAL SYSTEMS - TRACK CIRCUIT JUNCTION BOX - BALLAST TRACK APPLICATION					485	KE120	B	COMMUNICATIONS - RACK FACE ELEV - RAIL OPS COMM EQUIPMENT ROOM
								486	KE125	B	COMMUNICATIONS - RACK FACE ELEV - STORY STATION COMM ROOM
								487	KE127	B	COMMUNICATIONS - RACK FACE ELEV - EASTRIDGE STATION COMM ROOM
								488	KE128	B	COMMUNICATIONS - RACK FACE ELEVATION - ALUM ROCK & MCKEE STAT. CTS INTRF.
								489	KE140	B	COMMUNICATIONS - RACK FACE ELEV - IDS CABINET, TYPICAL
								490	KF101	A	STORY STATION - COMM SITE PLAN
								491	KF102	A	STORY STATION - PLATFORM COMM PLAN 1
								492	KF103	A	STORY STATION - PLATFORM COMM PLAN 2
								493	KF104	A	STORY STATION - PLATFORM COMM PLAN 3
								494	KF105	A	STORY STATION - PEDESTRIAN OVERCROSSING - COMM PLAN
								495	KF106	A	STORY STATION - ELEVATOR #1 AREA - COMM PLAN
								496	KF107	A	STORY STATION - ELEVATOR #2 AREA - COMM PLAN
								497	KF108	A	STORY STATION - ELEVATOR #3 AREA - COMM PLAN
								498	KF109	A	STORY STATION - COMM DETAILS
								499	KF201	A	EASTRIDGE STATION - PLATFORM COMM PLAN 1
								500	KF202	A	EASTRIDGE STATION - PLATFORM COMM PLAN 2
								501	KF203	A	EASTRIDGE STATION - PLATFORM COMM PLAN 3

TRACTION POWER

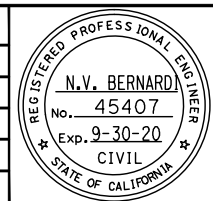
377	TP103	C	TRACTION POWER - SYMBOLS, ABBREVIATIONS - AND DEVICE TABLE
378	TP111	C	TRACTION POWER - TPSS #33-SINGLE LINE METER - AND RELAY DIAGRAM
379	TP112	C	TRACTION POWER - TPSS #34-SINGLE LINE METER - AND RELAY DIAGRAM
380	TP113	C	TRACTION POWER - AC BREAKER - SCHEMATIC DIAGRAM
381	TP114	C	TRACTION POWER - DC MAIN BREAKER - SCHEMATIC DIAGRAM
382	TP115	C	TRACTION POWER - DC FEEDER BREAKER - SCHEMATIC DIAGRAM
383	TP116	C	TRACTION POWER - AC AND DC DISTRIBUTION PANELS
384	TP117	C	TRACTION POWER - NEGATIVE GROUNDING UNIT DIAGRAM
385	TP118	C	TRACTION POWER - TRANSFER TRIP CIRCUIT
386	TP119	A	TRACTION POWER - EXISTING TPSS #28 TRANSFER TRIP - TERMINAL BLOCK CONNECTIONS
387	TP120	C	TRACTION POWER - OCS VOLTAGE MONITORING SCHEMATICS - DIAGRAM
388	TP121	C	TRACTION POWER - COMMUNICATIONS INTERFACE - AND HMI
389	TP122	A	TRACTION POWER - COMMUNICATIONS INTERFACE CABINET - (CIC)
390	TP123	A	TRACTION POWER - COMMUNICATIONS - SCADA BLOCK DIAGRAM
391	TP124	A	TRACTION POWER - TYPICAL SCADA POINTS LIST

COMMUNICATIONS

422	GN016	C	COMMUNICATIONS - GENERAL - ABBREVIATIONS
423	GN018	C	COMMUNICATIONS - GENERAL - SYMBOLS
424	GN021	C	COMMUNICATIONS - GENERAL NOTES - SHEET 1 OF 2
425	GN022	C	COMMUNICATIONS - GENERAL NOTES - SHEET 2 OF 2
426	KB101	C	COMMUNICATIONS - SYSTEM BLOCK DIAGRAM - OVERALL SYSTEM
427	KB104	C	COMMUNICATIONS - SYSTEM BLOCK DIAGRAM - STATIONS SINGLE LINE, SHEET 1 OF 2
428	KB105	C	COMMUNICATIONS - SYSTEM BLOCK DIAGRAM - STATIONS SINGLE LINE, SHEET 2 OF 2
429	KB106	C	COMMUNICATIONS - CTS BLOCK DIAGRAM - CTS TOPOLOGY
430	KB107	C	COMMUNICATIONS - BLOCK DIAGRAM - TYPICAL COMMUNICATIONS NODE
431	KB111	C	COMMUNICATIONS - CTS CABLE DIAGRAM - STORY COMMUNICATIONS NODE
432	KB113	C	COMMUNICATIONS - CTS CABLE DIAGRAM - EASTRIDGE COMMUNICATIONS NODE
433	KB154	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - PUBLIC ADDRESS SUBSYSTEM
434	KB156	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - PASSENGER INFO. MONITOR SUBSYSTEM
435	KB157	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - AUTOMATED FARE COLLECTION SUBSYSTEM
436	KB158	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - TELEPHONE SUBSYSTEM
437	KB160	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - CLOSED CIRCUIT TELEVISION SUBSYSTEM
438	KB162	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - SCADA SUBSYSTEM
439	KB164	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - INTRUSION DETECTION SUBSYSTEM
440	KB165	A	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - ACCESS CONTROL SYSTEM
441	KB166	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - TRAIN CONTROL INTERFACE
442	KB168	C	COMMUNICATIONS - BLOCK DIAGRAM, TYPICAL - TRACTION POWER SUBSTATION INTERFACE
443	KB179	B	COMMUNICATIONS - POWER SINGLE LINE DIAGRAM - IT ROOM TYPICAL
444	KB180	B	COMMUNICATIONS - POWER SINGLE LINE DIAGRAM - COMM ROOM TYPICAL

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED: A. Hernandez
 DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN016.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED: [Signature]
 CADD FILE DATE: 03/06/20
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 SHEET INDEX - 12
 VOLUME 4 (3 OF 4)

PLA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
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SHEET OF GN016
 REVISION B

DRAWING INDEX VOLUME 4

SHT DWG
NO NO REV TITLE

SHT DWG
NO NO REV TITLE

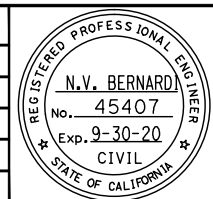
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COMBINED SYSTEM DUCT

502	EC000	C	ELECTRICAL – COMBINED SYSTEM DUCT – LEGEND AND NOTES
503	EC001	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 964+80 TO STA 967+00
504	EC101	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 964+80 TO STA 967+00
505	EC002	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 967+00 TO STA 972+00
506	EC003	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 972+00 TO STA 977+00
507	EC004	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 977+00 TO STA 982+00
508	EC005	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 982+00 TO STA 987+00
509	EC006	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 987+00 TO STA 992+00
510	EC007	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 992+00 TO STA 997+00
511	EC008	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 997+00 TO STA 1002+00
512	EC009	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1002+00 TO STA 1007+00
513	EC010	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1007+00 TO STA 1012+00
514	EC011	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1012+00 TO STA 1017+00
515	EC012	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1017+00 TO STA 1022+00
516	EC013	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1022+00 TO STA 1027+00
517	EC014	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1027+00 TO STA 1032+00
518	EC015	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1032+00 TO STA 1035+50
519	EC016	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1035+50 TO STA 1039+50
520	EC116	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1035+50 TO STA 1039+50
521	EC216	B	ELECTRICAL – COMBINED SYSTEM DUCT (AT-GRADE) – PLAN & PROFILE
522	EC017	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1039+50 TO STA 1044+00
523	EC018	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1044+00 TO STA 1048+00
524	EC019	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1048+00 TO STA 1053+00
525	EC020	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1053+00 TO STA 1058+00
526	EC021	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1058+00 TO STA 1063+00
527	EC022	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1063+00 TO STA 1068+00
528	EC023	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1068+00 TO STA 1071+00
529	EC024	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1071+00 TO STA 1075+50
530	EC025	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1075+50 TO STA 1080+50
531	EC026	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1080+50 TO STA 1085+00
532	EC027	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1085+00 TO STA 1090+00
533	EC028	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1090+00 TO STA 1094+50
534	EC029	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1094+50 TO STA 1095+11
535	ED401	B	ELECTRICAL – COMBINED SYSTEM DUCT – TYPICAL DUCTBANK SECTIONS
536	ED402	B	ELECTRICAL – COMBINED SYSTEM DUCT – CAPITOL EXPRESSWAY NORTH END
537	ED403	B	ELECTRICAL – COMBINED SYSTEM DUCT – CAPITOL EXPRESSWAY SOUTH END
538	ED404	B	ELECTRICAL – COMBINED SYSTEM DUCT – BENT 47
539	ED405	B	ELECTRICAL – COMBINED SYSTEM DUCT – BENT 48
540	ED406	B	ELECTRICAL – COMBINED SYSTEM DUCT – SIGNAL/COMM/ELECTRICAL ROOM (STORY STATION)
541	ED407	B	ELECTRICAL – COMBINED SYSTEM DUCT – STORY STATION PLATFORM SECTION
542	ED408	B	ELECTRICAL – COMBINED SYSTEM DUCT – DUCT BANKS FROM TPSS #34
543	ED409	B	ELECTRICAL – COMBINED SYSTEM DUCT – PULL BOX DETAILS – 1
544	ED410	B	ELECTRICAL – COMBINED SYSTEM DUCT – PULL BOX DETAILS – 2
545	ED411	B	ELECTRICAL – COMBINED SYSTEM DUCT – CS TROUGH DETAILS
546	ED412	B	ELECTRICAL – COMBINED SYSTEM DUCT – GROUNDING DETAILS
547	ED413	B	ELECTRICAL – COMBINED SYSTEM DUCT – GROUNDING DETAILS
548	ED414	B	ELECTRICAL – COMBINED SYSTEM DUCT – PRECAST GIRDER
549	ED415	B	ELECTRICAL – COMBINED SYSTEM DUCT – TES FEEDER POLE

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED

BkF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN017.dwg



APPROVED

BkF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 13
VOLUME 4 (4 OF 4)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. GN017 REVISION A

DRAWING INDEX VOLUME 5

SHT NO	DWG NO	REV	TITLE
GENERAL			
1	GN001	C	GENERAL - TITLE
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION
5	GN018	A	GENERAL - SHEET INDEX - 14 - VOLUME 5
6	GN019	C	GENERAL - ABBREVIATIONS - 1
7	GN020	C	GENERAL - ABBREVIATIONS - 2
8	GN021	C	GENERAL - ABBREVIATIONS - 3
9	GN022	C	GENERAL - ABBREVIATIONS - 4
10	GN023	C	GENERAL - ABBREVIATIONS - 5
11	GN024	C	GENERAL - LEGEND - 1
12	GN025	C	GENERAL - LEGEND - 2
13	GN026	C	GENERAL - LEGEND - 3
14	GN027	C	GENERAL - LEGEND - 4

SHT NO	DWG NO	REV	TITLE
GENERAL			
1	GN001	C	GENERAL - TITLE
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION
5	GN018	A	GENERAL - SHEET INDEX - 14 - VOLUME 5
6	GN019	C	GENERAL - ABBREVIATIONS - 1
7	GN020	C	GENERAL - ABBREVIATIONS - 2
8	GN021	C	GENERAL - ABBREVIATIONS - 3
9	GN022	C	GENERAL - ABBREVIATIONS - 4
10	GN023	C	GENERAL - ABBREVIATIONS - 5
11	GN024	C	GENERAL - LEGEND - 1
12	GN025	C	GENERAL - LEGEND - 2
13	GN026	C	GENERAL - LEGEND - 3
14	GN027	C	GENERAL - LEGEND - 4

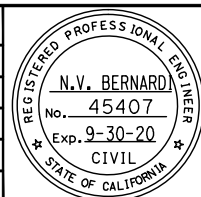
SHT NO	DWG NO	REV	TITLE
GENERAL			
1	GN001	C	GENERAL - TITLE
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION
5	GN018	A	GENERAL - SHEET INDEX - 14 - VOLUME 5
6	GN019	C	GENERAL - ABBREVIATIONS - 1
7	GN020	C	GENERAL - ABBREVIATIONS - 2
8	GN021	C	GENERAL - ABBREVIATIONS - 3
9	GN022	C	GENERAL - ABBREVIATIONS - 4
10	GN023	C	GENERAL - ABBREVIATIONS - 5
11	GN024	C	GENERAL - LEGEND - 1
12	GN025	C	GENERAL - LEGEND - 2
13	GN026	C	GENERAL - LEGEND - 3
14	GN027	C	GENERAL - LEGEND - 4

CIVIL			
15	BR100	A	CIVIL - BRT OCALA STATION - KEYMAP
16	BR101	A	CIVIL - BRT OCALA STATION - DEMOLITION & SALVAGE PLAN - EXISTING CONDITION
17	BR111	A	CIVIL - BRT OCALA STATION - IMPROVEMENT PLAN
18	BR121	A	CIVIL - BRT OCALA STATION - UTILITY PLAN - 1
19	BR122	A	CIVIL - BRT OCALA STATION - UTILITY PLAN - 2
20	BR131	A	CIVIL - BRT OCALA STATION - CONSTRUCTION DETAILS - 1
21	BR132	A	CIVIL - BRT OCALA STATION - CONSTRUCTION DETAILS - 2

STRUCTURAL			
22	SA100	A	STRUCTURAL - BRT OCALA STATION - STRUCTURAL DESIGN CRITERIA
23	SP101	A	STRUCTURAL - BRT OCALA STATION - BUS SHELTER PLAN & ELEVATION
24	SU101	A	STRUCTURAL - BRT OCALA STATION - FOUNDATION DETAILS No. 1
25	SU102	A	STRUCTURAL - BRT OCALA STATION - FOUNDATION DETAILS No. 2
26	SU103	A	STRUCTURAL - BRT OCALA STATION - FOUNDATION DETAILS No. 3

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED	
BkF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
DESIGNED	CHECKED
C. Chi	M. Cosentino
DRAWN	CADD FILE NAME
A. Hernandez	801GN018.dwg



APPROVED	
BkF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
03/06/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL SHEET INDEX - 14 VOLUME 5		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET OF
DRAWING NO.
GN018
REVISION
A

ABBREVIATIONS LIST

A

A AREA, AMPERE, ADJUST TO GRADE
 AAR ASSOCIATION OF AMERICAN RAILROADS
 AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
 AAV AUTOMATIC AIR VENT
 AB ABANDON, ANCHOR BOLT, AGGREGATE BASE
 Abn, ABAN ABANDON
 ABS AUTOMATIC BLOCK SIGNALING
 ABUT ABUTMENT
 AC ALTERNATING CURRENT, ASPHALT CONCRETE, ASBESTOS CEMENT (TRANSITE)
 A/C AIR CONDITIONING
 ACI AMERICAN CONCRETE INSTITUTE
 ACK ACKNOWLEDGE
 ACP ASBESTOS CEMENT PIPE, ACCESS CONTROL PANEL
 ACR ACCESS CARD READER
 ACS ADVANCED COMMUNICATIONS SYSTEM
 ACT'L ACOUSTICAL
 AD AREA DRAIN, ALGEBRAIC DIFFERENCE
 ADA AMERICANS WITH DISABILITIES ACT
 ADC ACCESS DOOR CONTACT
 ADD ADDITION
 ADJ ADJACENT
 ADD'L ADDITIONAL
 ADM ADD-DROP MULTIPLEXER
 ADR ACCESS DOOR
 AFC AUTOMATIC FARE COLLECTION
 AFF ABOVE FINISHED FLOOR
 AFG ABOVE FINISHED GRADE
 AFO AUDIO FREQUENCY OVERLAY TRACK CIRCUIT
 AFTS ALTERNATIVE FLARE TERMINAL SYSTEM
 AGC AUTOMATIC GAIN CONTROL
 AGG AGGREGATE
 AHD AHEAD
 AHU AIR HANDLING UNIT
 ALT ALTERNATE
 ALUM ALUMINUM
 AMP AMPERE, AMPLIFIER
 AN AMBIENT NOISE MICROPHONE
 ANG ANGLE
 ANN ANNUNCIATOR
 ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
 ANT ANTENNA
 AP ACCESS PANEL, ANGLE POINT
 APN ASSESSOR'S PARCEL NUMBER, APPRAISAL NUMBER
 APPROX APPROXIMATELY
 ARCH ARCHITECT
 AREA AMERICAN RAILWAY ENGINEERING ASSOCIATION
 AREMA AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION
 ARRGT ARRANGEMENT
 AS AGGREGATE SUBBASE, AMMETER SWITCH
 ASHRAE AMERICAN SOCIETY OF HEATING REFRIGERATION & AIR CONDITIONERS, INC
 ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS
 ASPE AMERICAN SOCIETY OF PLUMBING ENGINEERS
 ASPH ASPHALT
 ASTM AMERICAN SOCIETY OF TESTING MATERIALS
 ASYNCH ASYNCHRONOUS
 AT&T AMERICAN TELEPHONE & TELEGRAPH

ATC AUTOMATIC TRAIN CONTROL
 A/T/C AUTOMATIC TEMPERATURE CONTROL
 ATZ ALL TRAINS BY ZONE
 AUX AUXILIARY
 AVE AVENUE
 AVG AVERAGE
 AVI AUTOMATIC VEHICLE IDENTIFICATION
 AVM ADD - FAIR VENDING MACHINE, ADD VALUE MACHINE
 AWG AMERICAN WIRE GAUGE
 AWS AMERICAN WELDING SOCIETY

B

BAT BATTERY
 BB BEGIN BRIDGE
 BC BEGIN CURVE, BOTTOM OF CURB, BARE COPPER
 BCL BARE CEMENT LINED STEEL
 BCR BEGINNING OF CURB RETURN
 BD BOARD
 BDD BACK DRAFT DAMPER
 BDPL BITUMEN DIPPED PIPELINE
 BEG BEGIN
 BETW BETWEEN
 BC-S BACKFILL-SAND
 BF-C BACKFILL-CONCRETE
 BFP BACK FLOW PREVENTER
 BK BACK, BOOK
 BKF BACKFILL
 BKR BREAKER
 BL BLUE LIGHT STATION
 BLDG BUILDING
 BLVD BOULEVARD
 BLCK BLK
 BLK'G BLOCKING
 BLS BLUE LIGHT STATION
 BM BEAM
 BOCA BUILDING OFFICIALS AND CODE ADMINISTRATION
 BOI BARE OUTSIDE AND LINED STEEL
 BOJ BUILD ON JOB
 BOT BOTTOM
 BOW BACK OF WALK
 BR BRASS, BRIDGE
 BIO BIORETENTION AREA
 BRG BEARING
 BRK BREAK
 BRKR BREAKER
 BRT BUS RAPID TRANSIT
 BSMT BASEMENT
 BSL BUILDING SETBACK LINE
 BTWN BETWEEN
 BTUH BRITISH THERMAL UNITS PER HOUR
 BVC BEGIN VERTICAL CURVE
 BW BACK OF WALL, BOTTOM OF WALL, BOTH WAYS

C

C CAUTION, CONDUIT
 CALTRANS CALIFORNIA DEPARTMENT OF TRANSPORTATION
 CA CABLE TELEVISION
 CATV CABLE TELEVISION
 CAB CABINET
 CB CONCRETE BARRIER

CC CEMENT COATED STEEL
 CCAS CENTRAL CONTROL AUDIO SYSTEM
 CCCL CEMENT COATED CEMENT LINED STEEL
 CCER CENTRAL CONTROL EQUIPMENT ROOM
 CCS CENTRAL CONTROL SYSTEM
 CCTV CLOSED CIRCUIT TELEVISION
 C/C, C-C CENTER TO CENTER
 CDF CONTROLLED DENSITY FILL, COMBINED DISTRIBUTION FRAME
 CEM CEMENT
 CEN CENTER
 CF-## CCTV FIXED
 CF CUBIC FEET
 CFC CASSETTE FAN COIL
 CFM CONFORM
 CG CENTER OF GRAVITY
 C&G CURB & GUTTER
 CHBK CHANNEL BANK
 CID CARD INTERFACE DEVICE
 CIDH CAST IN DRILLED HOLE
 CIP CAST IN PLACE, CAST IRON PIPE
 CIR CIRCLE
 CJ CONSTRUCTION JOINT
 CJB COMMUNICATIONS JUNCTION BOX
 CJP COMPLETE JOINT PENETRATION
 CK CREEK
 CKT CIRCUIT
 CL CEMENT LINED, CHAIN LINK, CLASS
 CLF CHAIN LINK FENCE
 CLG CEILING
 CLGD CEILING DIFFUSER
 CLGR CEILING REGISTER
 CLGS CEILING SUPPORT
 C/L, C CENTER LINE
 CLKG CAULKING
 CLR CLEAR, CLEARANCE, CIRCUIT LAYOUT RECORD
 CMP CORRUGATED METAL PIPE
 CMS CHANGEABLE MESSAGE SIGN
 CMU CONCRETE MASONRY UNIT
 CND CONDUIT
 CNTRL CONTROLLER
 CO CLEAN OUT, CENTRAL OFFICE
 COAX COAXIAL CABLE
 COL COLUMN
 COM COMMUNICATIONS (CONDUIT)
 COMM COMMUNICATIONS
 COMP COMPOSITION
 CON CONTACT
 CONC CONCRETE
 CONN CONNECTION
 CONST CONSTRUCTION
 CONT CONTINUOUS
 CONT'D CONTINUED
 CONTR CONTRACTOR, CONTROLLER
 CP-## CCTV PTZ
 CP CATHODIC PROTECTION
 CPB COMMUNICATION PULLBOX
 CPL CURED IN PLACE LINER
 CPU CENTRAL PROCESSING UNIT
 CPUC CALIFORNIA PUBLIC UTILITIES COMMISSION
 C.R. COMMUNICATIONS ROOM
 CR CREEK, CURB RAMP
 CRSI CONCRETE REINFORCING STEEL INSTITUTE

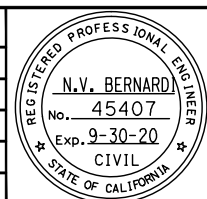
CRT CATHODE RAY TUBE
 CS COMBINED SYSTEM
 POINT OF CHANGE FROM, CIRCULAR CURVE TO SPIRAL
 CSD COMBINED SYSTEMS DUCTBANK
 CSJ CITY OF SAN JOSE
 CSP COMMUNICATIONS SPECIALIST, CORRUGATED STEEL PIPE
 CSS COMMUNICATIONS SYSTEMS
 CSU CHANNEL SERVICE UNIT
 CT CERAMIC TILE, COURT, COURTESY TELEPHONE
 CTC COMMUNICATION TERMINAL CABINET
 CTCSS CONTINUOUS TONE CODED SQUELCH SYSTEM
 CTD COATED
 CTL COAL TAR LINED STEEL
 CTP CODED TRACK CIRCUIT PROCESSOR (SIGNALS)
 CTRS CENTERS
 CTS COMMUNICATION TRANSMISSION SYSTEM
 CTSK COUNTERSINK
 CV CONTROL VALVE
 CW CONTACT WIRE, COLD WATER
 CWR CONTINUOUS WELDED RAIL
 CWT COUNTERWEIGHT
 CXR CARRIER
 CYL CYLINDER

D

D DEEP
 DACS DIGITAL ACCESS AND CROSS-CONNECT SYSTEM
 DAS DATA ACQUISITION SYSTEM
 DB DIRECT BURIED, DRY BULB, DECIBEL
 DBA DECIBELS, A SCALE
 DBC DIRECT BURIED CABLE
 DBG DISTANCE BETWEEN GUIDE RAILS
 DBH DIAMETER AT BREAST HEIGHT
 DBL DOUBLE
 DC DIRECT CURRENT, DISTRIBUTION CABINET, DOOR CONTACT
 DCCL DIPPED COATED CEMENT LINED (Organic Zinc)
 DCIL DUCTILE CAST IRON LINED
 DE DEAD END
 DEG DEGREE
 DEH DEAD END HITCH
 DEPT DEPARTMENT
 DEST DESTINATION
 DET DETAIL
 DF DIRECT FIXATION, DRINKING FOUNTAIN
 DFK DIPPED & FIBERGLASS KRAFT WRAPPED STEEL (Asphalt Coated)
 DFE DISTRICT FEEDING EQUIPMENT
 DFM DISTRIBUTION FEEDER MAIN, DISTRICT FEEDING MATERIAL
 D/I DROP & INSERT
 DI DRAINAGE INLET, DUCTILE IRON
 DIA DIAMETER
 DIAG DIAGONAL
 DICL DUCTILE IRON CEMENT LINED
 DIM DIMENSION
 DIMS DIMENSIONS
 DIO DISCRETE I/O (INPUT/OUTPUT)
 DN DOWN
 DIP DUCTILE IRON PIPE
 DIR DIRECTION
 DISC DISCONNECT
 DISCONT DISCONTINUOUS

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN019.dwg

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 ABBREVIATIONS - 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

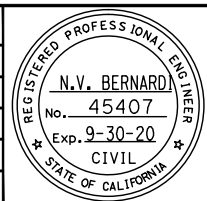
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ABBREVIATIONS LIST

DISP	DISPENSER	EM TRIP	EMERGENCY TRIP	FDR	FEEDER	GIGE	GIGABIT ETHERNET
DIST	DISTRIBUTION	ENCL	ENCLOSURE	FE	FIRE EXTINGUISHER	GL	GLASS
DIV	DIVISION	ENET	ETHERNET	FEP	FRONT END PROCESSOR	GLB	GLU-LAM BEAM
DL	DEAD LOAD	EOL	END OF LINE	FF	FINISHED FLOOR	GLO	GEAR LUBE OIL
DLC	LOOP DETECTOR LEAD IN CABLE (PROPOSED)	EP	EDGE OF PAVEMENT, EMERGENCY POWER	FG	FINISHED GRADE	GM	GAS METER
DLCE	LOOP DETECTOR LEAD IN CABLE (EXISTING)	EPB	EMERGENCY (POWER) PULL BOX	FH	FIRE HYDRANT	GND	GROUND (ELECTRICAL)
DM	DELAY MONITOR	EQ	EQUAL	FHC	FIRE HOSE CABINET	GOV	GOVERNOR
DMOD	DEMODULATE	EQN	EQUATION	FHD	FLAT HEAD	GP	PLANNED GRADING PLANE
DMP	DESIGNATED MATCHING PRODUCT	EQUIP	EQUIPMENT	FHMB	FLAT HEAD MACHINE BOLT	GPS	GLOBAL POSITIONING SYSTEM
DN	DOWN	ER	ELEVATOR ROOM	FHMS	FLAT HEAD MACHINE SCREW	GR	GRADE
DNS	DIFFUSER NECK SIZE	ES	EACH SIDE	FI	FLASHING INLET	GRD	GROUND
DO	DITTO, DOOR OPENING	ESA	ENVIRONMENTALLY SENSITIVE AREA	FIN	FINISH	GRL	GRILLE
DP	DISTRIBUTION PANEL	ESMT	EASEMENT	FIX	FIXTURE	GRS	GALVANIZED RIGID STEEL
DPO	DIAL PULSE-ORIGINATING	ESMU	ENVIRONMENTAL & SECURITY MONITORING UNIT	FK	FIBERGLASS-KRAFT WRAPPED (Asphalt Coated)	GT	GAS TRANSMISSION
DPP	DIGITAL PATCH PANEL	ESP	EXTERNAL STATIC PRESSURE	FKCL	FIBERGLASS-KRAFT WRAPPED-CEMENT LINED	GUI	GRAPHICAL USER INTERFACE
DPT	DIAL PULSE-TERMINATING	ESR	ELECTRICAL SERVICE ROOM	FKCTC	FIBERGLASS-KRAFT WRAPPED & COAL TAR COATED	GYP	GYPSPUM
DR	DOOR, DRIVE	ET	EMERGENCY TELEPHONE	FL	FLOOR, FLOW LINE		
DSO	DIGITAL SIGNAL LEVEL 0, 1 VOICE CHANNEL (64 KBPS)	ETC	ETCETERA	FLASH	FLASHING	H	
DS1	DIGITAL SIGNAL LEVEL 0, 24 DOS (1.544 MBPS)	ETS	ELECTRONIC TEST STATION, EMERGENCY TERMINAL SLOWDOWN,	FLR	FLOOR	H	HEIGHT, HORIZONTAL
DS	DIPPED STEEL, DEVICE SERVER, DISCONNECT SWITCH		EMERGENCY TRIP STATION	FLUOR	FLUORESCENT	HB	HOSE BIBB
DSC	DISPOSABLE SEAT COVER	ETCO	E TEL LINE CONSOLIDATOR	FLEX/C	FLEXIBLE CONNECTION	HC	HOLLOWED CORE
DSS	DESTINATION SIGN SYSTEM	ETEL	EMERGENCY TELEPHONE	FLX	FLEXIBLE (CONDUIT)	H/C	HANDICAPPED
DSU	DATA SERVICE UNIT	ETW	EDGE OF TRAVELLED WAY	FM	FREQUENCY MODULATION	HCS	HEADQUARTERS COMPUTER SYSTEM - AFC
DSX	DIGITAL CROSS CONNECT PANEL	EU	UNBALANCED SUPERELEVATION	FMP	FIRE MANAGEMENT PANEL	HD	HEAD
DTL	DETAIL	EX	EXISTING	FO	FIBER OPTIC CABLE	HDR	HEADER
DVR	DIGITAL VIDEO RECORDER	EXC	EXCAVATE	F/O	FRONT OPENING	HDWD	HARDWOOD
DW	DIPPED WITH TAR	EXHA	EXHAUST FAN	FOC	FACE OF CURB, FIBER OPTIC CABLE	HF	HIGH FREQUENCY
DWG	DRAWING	EXIST	EXISTING	FOM	FIBER OPTIC MODEM	HH	HANDHOLE
DWGS	DRAWINGS	EXP	EXPANSION, EXPRESSWAY	FOT	FIBER OPTIC TERMINAL	HHHB	HEXAGONAL HEAD MACHINE BOLT
DWR	DRIVER WAITING ROOM	EXPWY	EXPRESSWAY	FPC	FIRE PROTECTION CABINET	HL	HEEL LENGTH OF FROG
DWY	DRIVEWAY	EXPRWY	EXPRESSWAY	FPM	FEET PER MINUTE	HM	HOLLOW METAL
		EXT	EXIT, EXTERIOR	FPP	FIBER PATCH PANEL	HORIZ	HORIZONTAL
E		EV	ELEVATOR EQUIPMENT ROOM	FR GRD	FRAME GROUND	HOV	HIGH OCCUPANCY VEHICLE
E	EAST, ELECTRIC	EV (A-D)	EMERGENCY VEHICLE (A-D)	FRM'G	FRAMING	HP	HIGH POINT, HEAT PUMP, HIGH PRESSURE, HINGE POINT, HORSE POWER
(E)	EXISTING	EVC	END VERTICAL CURVE	FRRC	FIRE-RADIO REMOTE CONTROL UNIT	HR	HOUR
EA	EACH, EMERGENCY ALARM	EVP	EMERGENCY VEHICLE PRE-EMPTION (PROPOSED)	FS	FIRE SERVICE, FINISHED SURFACE	HS	HARDSCAPE, HIGH STRENGTH
Ea	ACTUAL SUPERELEVATION	EVPE	EMERGENCY VEHICLE PRE-EMPTION (EXISTING)	FSK	FREQUENCY SHIFT KEYING	HSG	HOUSING
EASEMT	EASEMENT	EVR	EVENT RECORDER	FT	FEET, FOOT	HSS	HOLLOW STRUCTURAL SECTION
EB	EASTBOUND, END BRIDGE	EW	EACH WAY	FT COMP	FAULT TOLERANT COMPUTER	HSTWY	HOISTWAY
EBP	EMERGENCY BACKUP PANEL	EWC	ELECTRIC WATER COOLER	FTG	FOOTING	HT	HEIGHT, HEATER
EC	END CURVE	EWFC	ELECTRIC WATER COOLER	FURN	FURNACE	HVAC	HEATING VENTILATION AIR CONDITIONING
ECR	END OF CURB RETURN	EWFC	ELECTRIC WATER COOLER	FUT	FUTURE	HW	HARDWARE
EIM	ETHERNET INVERSE MULTIPLEXER	EWFC	ELECTRIC WATER COOLER	F/V	FACE VELOCITY	HWH	HOT WATER HEATER
EF	EACH FACE, EXHAUST FAN	EWFC	ELECTRIC WATER COOLER	FV	FIELD VERIFY	HWY	HIGHWAY
E&H	ELDERLY AND HANDICAP	EWFC	ELECTRIC WATER COOLER	FXO	FOREIGN EXCHANGE, OFFICE END	HYDR	HYDRAULIC
EJ	EXPANSION JOINT	EWFC	ELECTRIC WATER COOLER	FXS	FOREIGN EXCHANGE, STATION END	HZ	HERTZ
EJB	EMERGENCY (POWER) JUNCTION BOX						
EKSU	ELECTRONIC KEY SVC UNIT						
EKTS	ELECTRONIC KEY TEL SYSTEM						
EL	ELEVATION, ELEVATOR, ELECTRICAL DOOR STRIKE						
ELEV	ELEVATION						
ELEC	ELECTRIC, ELECTRICAL						
ELP	EMERGENCY LIGHTING PANEL						
ELS	ELEVATOR SCADA CABINET						
ELSL	ELECTRIC SWITCH LOCK						
E'LY	EASTERLY						
EM	EMERGENCY						
EMB	EMBANKMENT, EMBEDDED						
EMS	ELECTRONIC MESSAGE SIGN						
EMT	ELECTRICAL METALLIC TUBING						
EM PNL	EMERGENCY PANEL						

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SUBMITTED: A. Hernandez
 DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN020.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED: [Signature]
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EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 ABBREVIATIONS - 2

SHEET OF: GN020
 REVISION: C

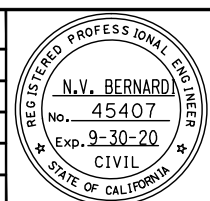
PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

ABBREVIATIONS LIST

PLF, PLTFM	PLATFORM	R		RT/U	ROOF TOP UNITS	SIM	SIMILAR
PLY	PLYWOOD	R	RADIUS, RISER, RELOCATE, RECEIVE	RW	RETAINING WALL	SJ	CITY OF SAN JOSE
PLB	PERMEABLE MATERIAL	(R)	REMOVE	RWL	RAIN WATER LEADER	SJMC	SAN JOSE MUNICIPAL CODE
PLL	PHASE LOCKED LOOP	R1	RING 1	RWLOL	RETAINING WALL LAYOUT LINE	SJW	SAN JOSE WATER
P/O	PART OF	R/A	RELEASE/ADVANCE, RELOCATE AND ADJUST TO GRADE	R/W	RIGHT-OF-WAY	SJWC	SAN JOSE WATER COMPANY
PM	PERMEABLE MATERIAL	RA	RETURN AIR	RX	RECEIVE	SJWW	SAN JOSE WATER WORKS
PNL	PANEL	RAD	RADIUS, RADIO EQUIPMENT	S	SALVAGE ,SLOPE, SOUTH	SL	SLEEVE, STREETLIGHT
POC	PEDESTRIAN OVERCROSSING, POINT OF CIRCULAR CURVE, POINT OF CONNECTION	RAID	REDUNDANT ARRAY OF INDEPENDENT DISKS	S1	SIGNAL 1	S'LY	SOUTHERLY
POCE	POINT OF CONNECTION EAST	RAM	RANDOM ACCESS MEMORY	S2	SIGNAL 2	SM	SINGLE MODE, SQUARE METERS
POCW	POINT OF CONNECTION WEST	RAR	RETURN AIR REGISTER	SA	SUPPLY AIR, SURGE ARRESTER	SMA	SIGNAL MAST ARM
POE	POWER OVER ETHERNET	RC	REINFORCED CONCRETE, RELAY CASE	SAF	SUPPLY AIR FAN	SMACNA	SHEET METAL & AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION INC
POS	POSITIVE	Rc	CURVE RADIUS	SAN	SANITARY	SMD	SEE MECHANICAL DRAWINGS
POS'N	POSITION	R/C	RATE OF CHANGE OF CIRCULAR CURVE	SAP	SPRINKLER ALARM PANEL	SMU	SIGNAL MONITORING UNIT (EVENT RECORDER)
POT	POINT ON TANGENT	RCB	REINFORCED CONCRETE BOX	SAT REC	SATELLITE RECEIVER	SNMP	SIMPLE NETWORK MANAGEMENT PROTOCOL
PP	POWER PANEL	RCV	REINFORCED CONCRETE PIPE	SAV	STAND ALONE VALIDATOR	SOM	SOMASTIC COATED STEEL
PPBE	PEDESTRIAN PUSH BUTTON (EXISTING)	RD	ROAD	SB	SOUTHBOUND, SPLICE BOX, STANDARD BLACK	SOMCL	SOMASTIC COATED AND LINED STEEL
PPBP	PEDESTRIAN PUSH BUTTON (PROPOSED)	RDWY	ROADWAY	SBC	SBC COMMUNICATIONS INC.	SONET	SYNCHRONOUS OPTICAL NETWORK
PPM	PARTS PER MILLION	RE	RIM ELEVATION	S/C	SAWCUT & CONFORM	SP	SPLICE, SPARE, STATIC, SIGNAL PROCESSOR
PPN	POWER PANEL NORMAL	REC	RECORD, RECORDER	SC	POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE, SOLID CORE, SIGNAL CASE, FIBER OPTIC CONNECTOR	SPDT	SINGLE POLE DOUBLE THROW
PPP	PERFORATED PLASTIC PIPE	RECPT	RECEPTACLE	SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION	SPEC	SPECIFICATIONS
PR	PAIR	REF	REFER TO, REFERENCE, REFLECTED	SCAT	SIMPLE CATENARY AUTO TENSIONED	SPK	SPEAKER
PRC	POINT OF REVERSE CIRCULAR CURVE	REINF	REINFORCED, REINFORCEMENT	SCC	SANTA CLARA COUNTY	SPG	SPACING
PREFAB	PREFABRICATED	REL	RELOCATED	SCD	SEE CIVIL DRAWINGS	SPR	SPRINKLER
PRELIM	PRELIMINARY	REM	REMOVE	SCH,SCHED	SCHEDULE	SPKR	SPEAKER
PROJ	PROJECTION	REQ	REQUIRED	SCL	COUNTY OF SANTA CLARA	SQ	SQUARE
PROP	PROPOSED	REQ'D	REQUIRED	SCR	SILICON CONTROLLED RECTIFIER	SR	SIGNAL ROOM
PROT	PROTECTOR, PROTECTION	RET	RETAINING, RETURN	SCU	STATION CONTROL UNIT	ST	AT&T TRADEMARK FOR FIBER OPTIC CONNECTION
PROT BLK	PROTECTION BLOCK	REV	REVISION	SCVWD	SANTA CLARA VALLEY WATER DISTRICT	SRA	SELF RETAINING AREA
PRVC	POINT OF REVERSE VERTICAL CURVE	REX	REQUEST TO EXIT	SCW	SINGLE CONTACT WIRE	SS	SUBSTATION, SPIRAL, SANITARY SEWER POINT OF CHANGE FROM SPIRAL TO ANOTHER STANDARD SCREW PIPE, STAINLESS STEEL
PS	POINT OF SERVICE, POINT OF SWITCH, PRESTRESS, PICO SECOND	RF	RADIO FREQUENCY	SD	STORM DRAIN	S&S	SATURDAY & SUNDAY
P.S.	POWER SUPPLY	RGS	RIGID GALVANIZED STEEL	S/D	SPLITTER DAMPER	SSBM	STRAP AND SADDLE BRACKET METHOD
P/S	PRESTRESS	RGU	RING GENERATED UNIT	SDCB	STORM DRAIN CATCH BASIN	SSC	SPIRAL TO SPIRAL AT CURVE POINT
P&S	POWER AND SUPPORT	RH	RIGHT HAND	SDE	STORM DRAIN EASEMENT	SSD	SEE STRUCTURAL DRAWINGS
PSDE	PRIVATE STORM DRAIN EASEMENT	RH CURVE	TRACK CURVES TO THE RIGHT IN THE DIRECTION OF INCREASING STATIONING	SDMH	STORM DRAIN MANHOLE	SSE	SANITARY SEWER EASEMENT
PSE	PUBLIC SERVICE EASEMENT	RIM	RIM ELEVATION	SDT	SMOKE DETECTION	SSFH	STAINLESS STEEL FLAT HEAD
PS/L	PROTECTOR SHELF/BLOCK	RL	REFERENCE LINE	SE	SOUTHEAST	SSMH	SANITARY SEWER MANHOLE
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK	RLL	RAIN LEADER	SEC	SECONDARY, SECOND	SST	SPIRAL TO SPIRAL AT TANGENT POINT
PSUE	PUBLIC SERVICE UTILITY EASEMENT	RM	ROOM	SECT	SECTION	ST	STREET, POINT OF CHANGE FROM SPIRAL TO TANGENT, STAIRS
PT	POINT, POINT OF TANGENCY, PETROLEUM PRODUCTS (Fuel, oil)	RO	REAR OPENING, ROUGH OPENING	SEL	SELECT, SELECT AUDIO	STA	STATION
PTB	PROTECTED TERMINAL BLOCK	ROM	READ ONLY MEMORY	SERV	SERVICE	STBY	STANDBY
PTT	PACIFIC TELEPHONE AND TELEGRAPH, PUSH TO TALK	ROW	RIGHT-OF-WAY	SEW	SEWER	STD	STANDARD
PTFE	POLYTETRAFLUOROETHYLENE	RPM	REVOLUTIONS PER MINUTE	SF	SQUARE FEET, TRAFFIC SIGNAL FOUNDATION	STL	STEEL
PTTE	PACIFIC TELEPHONE AND TELEGRAPH EASEMENT	RPTR	REPEATER	SFP	SMALL FORM FACTOR PLUGGABLE TRANSCEIVER	STP	SHIELDED TWISTED PAIR
PTZ	PLAN, TILT AND ZOOM	RR	RAILROAD	SG	STANDARD BLACK (Galvanized Coating)	STR	STRANDED, STRUCTURAL
PUZ	PEDESTRIAN UNDERCROSSING	RS	RIVETED STEEL PIPE	SH	SHELF, SIGNAL HOUSE	STRUCT	STRUCTURE, STRUCTURAL
PUD	PERFORATED UNDERDRAIN	RS-232	ELECTRICAL STANDARD FOR BALANCED VOLTAGE DIGITAL CIRCUITS	SHD	SHOWER DRAIN	STW	SPECIAL TRACKWORK
PUE	PUBLIC UTILITY EASEMENT	RS-422	ELECTRICAL STANDARD FOR BALANCED VOLTAGE DIGITAL CIRCUITS	SHLD	SHOULDER	SUB FL	SUB-FLOOR
PVC	POINT OF VERTICAL CURVE	RS-485	STANDARD FOR DATA COMMUNICATIONS OVER MULTI-POINT CIRCUITS	SHR	SHEAR	SUSP	SUSPENDED
PVC	POLYVINYL CHLORIDE	RS-488	STANDARD FOR DATA COMMUNICATION EQUIPMENT	SHT	SHEET	SVC	SERVICE
PVI	POINT OF VERTICAL INTERSECTION	RS-530	MECHANICAL/ELECTRICAL INTERFACE FOR BALANCED VOLTAGE DIGITAL CIRCUITS	SHT'G	SHEATHING	SYM	SYMMETRICAL
PVMT	PAVEMENT	RSVD	RESERVED	SHWR	SHOWER	SW	SIDEWALK, SOUTHWEST, SWITCH
PVT	POINT OF VERTICAL TANGENCY	RT, Rt	RIGHT	SI	SECTION INSULATOR, SHEET IRON PIPE	S/W	SOFTWARE
P&W	POWER & WAY	RTE	ROUTE	S&I	SERVICE AND INSPECTION	SVR	SERVER
PWR	POWER	RTR	ROUTER	SIC	SIGNAL INTERCONNECT CABLE (PROPOSED)	SWAT	SINGLE WIRE AUTO TENSIONED
Q		RTU	REPORT TERMINAL UNIT, REMOTE TERMINAL UNIT	SICE	SIGNAL INTERCONNECT CABLE (EXISTING)	SWGR	SWITCHGEAR
QTY	QUANTITY			SID'G	SIDING	SYM	SYMMETRICAL
				SM	SINGLE MODE, SINGLE MODE FIBER	SYNCH	SYNCHRONIZER, SYNCHRONIZATION
				SIG	SIGNAL, WAYSIDE COLOR LIGHT SIGNAL	SYS	SYSTEM

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DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
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EASTRIDGE TO BART REGIONAL CONNECTOR
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 ABBREVIATIONS - 4

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

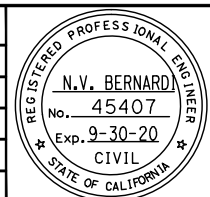
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ABBREVIATIONS LIST

I		TWP	TWISTED PAIR	<u>W</u>	
T	TEMPERATURE SWITCH (THERMOSTAT), TOP, TIP, THREAD, TREAD, TRANSMIT	TWR	TOWER	W	WATER, WATTS, WEST, WIDE, WIDTH
T1	TIP 1 OR T1 CARRIER	TYP	TYPICAL	WSE	WATER SERVICE EASEMENT
T2	TIP 2	TX	TRANSMIT	WT	WATER TRANSMISSION, WIDTH
TA	TRUNK AMPLIFIER	T3	TRACK DESIGNATION FOR THE TAIL TRACK AT EASTRIDGE STATION	WV	WATER VALVE
TB	TOP OF BARRIER, TERMINAL BOARD OR BLOCK			WW	WING WALL, WIRE WAY
T&B	TOP & BOTTOM	<u>U</u>		WWF	WELDED WIRE FABRIC
TBD	TO BE DETERMINED	U	UNBALANCED SUPER-ELEVATION	WWLOL	WINGWALL LAYOUT LINE
TBR	TO BE REMOVED	UBC	UNIFORM BUILDING CODE	W/	WITH
T/C	TRAIN CONTROL	UC	UNDER CROSSING	WAN	WIDE AREA NETWORK
TC	TOP OF CURB, TRAFFIC CONTROLLER	UD	UNDERDRAIN	WAO	WORK AREA OUTLET
TCC	TRAIN CONTROLLER	UE	UTILITY EASEMENT	WB	WESTBOUND
TCE	TEMPORARY CONSTRUCTION EASEMENT	UG	UNDERGROUND	WBO	WORK BY OTHERS
TCH	TRAIN CONTROL HOUSE	UH	UNIT HEATER	WC	WATER CLOSET
TCP/IP	TRANSMISSION CONTROL PROTOCOL/INTERNET PROTOCOL	UHF	ULTRA HIGH FREQUENCY	WCDR	WALL CLEANOUT
TCR	TRAIN CONTROL ROOM	UL	UNDERWRITERS LABORATORIES	WCE	WIRE CLEARANCE EASEMENT
TDA	TIRE DERIVED AGGREGATE	UMC	UNIFORM MECHANICAL CODE	WD	WOOD
TDH	TOTAL DYNAMIC HEAD	UNSEL	UNSELECT AUDIO	WDW	WINDOW
TDS	TRANSLINK DATA SERVER (NOW CLIPPER)	UNFIN	UNFINISHED	WG	WAVE GUIDE
TE	TREE EASEMENT	UNK	UNKNOWN	WH	WATER HEATER, WEEP HOLE
TEL	TELEPHONE	UNO	UNLESS NOTED OTHERWISE	WHA	WATER HAMMER ARRESTER
TEMP	TEMPERATURE, TEMPORARY	UON	UNLESS OTHERWISE NOTED	WI	WROUGHT IRON PIPE
TERM	TERMINAL	UP	UNDERPASS	WL	WATER LINE
TES	TRACTION ELECTRIFICATION SYSTEM	UPRR	UNION PACIFIC RAILROAD	WM	WATER METER
TG	TOP OF GRATE	UPS	UNINTERRUPTIBLE POWER SUPPLY	WO	WASTE OIL
T&G	TONGUE AND GROOVE	UR	URINAL	W/O	WEST OF, WITHOUT
TH	TOP OF HEADER	U/S	UNDERSIDE	WP	WEATHER PROOF, WORK POINT
THEO	THEORETICAL	UTP	UNSHIELDED TWISTED PAIN	WS	WRAPPED STEEL PIPE, WEATHER STRIPPING, WOOD SCREW
THK	THICK			W/S	WORKSTATION
THRU	THROUGH	<u>V</u>		WSCL	WRAPPED STEEL PIPE CONCRETE LINED
THWN	THERMOPLASTIC HIGH WATER-RESISTANT NYLON COATED	V	VALVE, VELOCITY, VERTICAL, VOLTS	<u>X</u>	
TL	TOE LENGTH OF FROG, TRAFFIC LOOP	VA	VOLT-AMPERE	XC	CROSSING CASE
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	VAC	VOLT ALTERNATING CURRENT	XCONN	CROSS CONNECT
TO.	TURNOUT, TOP OF	VAR	VARIES	XFMR	TRANSFORMER
TOB	TOP OF BANK	VC	VERTICAL CURVE	XH	CROSSING HOUSE
TOC	TOP OF CONCRETE, TOP OF CURB	VCP	VITRIFIED CLAY PIPE	XING	HIGHWAY GRADE CROSSING
TOM	TOP OF MANHOLE	VCT	VINYL COMPOSITION TILE	X-ING	CROSSING
TOP	TOP OF PLATE	VD	VOLUME DAMPER	XMTR	TRANSMITTER
TOPO	TOPOGRAPHY	VDA	VIDEO DISTRIBUTION AMPLIFIER	X-OVER	CROSSOVER
TOT	TOTAL	VDC	VOLTS DIRECT CURRENT	X/O	CROSSOVER
TOR,T/R	TOP OF RAIL	VDT	VIDEO DISPLAY TERMINAL		
TP	TOP OF PAVEMENT	VDU	VIDEO DISPLAY UNIT	<u>Y</u>	
TPB	TELEPHONE PULL BOX	VENT	VENTILATION	YD	YARD
TPD	TOILET PAPER DISPENSER	VERT	VERTICAL	YMF	YOUNGER MAINTENANCE FACILITY
TPSS	TRACTION POWER SUBSTATION	VEST	VESTIBULE		
TR	TO REMAIN	VF	VOICE FREQUENCY	<u>MISC</u>	
TRANS	TRANSMISSION	VHLC	VITAL HARMON LOGIC CONTROLLER	2W	2 WIRE
TRK	TRACK	VIC	VEHICLE INFORMATION CLERK	4W	4 WIRE
TS	POINT OF CHANGE FROM TANGENT TO SPIRAL, TRAFFIC SIGNAL, TUBE STEEL	VIF	VERIFY IN FIELD	@	AT
TSP	TUBULAR STEEL POLE	VIT	VITREOUS	&	AND
TT	TRANSITION TAPER, TELEPHONE TRUNK & TOLL, TRANSFER TRIP	VM	VOLTMETER	Δd	CENTRAL ANGLE OF CIRCULAR CURVE OF LENGTH Lc
TTRIP	TRANSFER TRIP	VMB	VISUAL MESSAGE BOARD	∠	CURVE ANGLE
TV	TELEVISION	VOIP	VOICE OVER INTERNET PROTOCOL	∠s	CENTRAL ANGLE OF SPIRAL ARC Ls
TVM	TICKET VENDING MACHINE	VP	VITAL PROCESSOR (SIGNALS)	∅	DIAMETER
TW	TOP OF WALL, TRAVELED WAY	VPI	VITAL PROCESSOR INTERLOCKING, VITAL PROCESSOR INTERFACE	#	NUMBER POUNDS
T/W	TOP OF WALL	VSF	SCREW-IN TYPE PROTECTED TERMINAL BLOCK	.	DEGREES
TWC	TRAIN TO WAYSIDE COMMUNICATION	VTA	VALLEY TRANSPORTATION AUTHORITY		
TWL	TRAIN TO WAYSIDE LOOP				

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BkF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino

DRAWN: A. Hernandez
CADD FILE NAME: 801GN023.dwg



APPROVED

BkF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS

SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

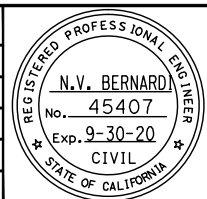
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL ABBREVIATIONS - 5			SHEET OF DRAWING NO. GN023 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

LEGEND

	ABANDONED SYSTEM		GAS TRANSMISSION		STREET LIGHT
	BARRIER RAIL		GRADED DITCH		SANITARY SEWER
	BY OTHER DISCIPLINES		GRINDLINE		SAWCUT LINE
	CABLE TV		GUARD RAIL		STORM DRAIN SYSTEM
	CABLE TV SYSTEM		HEADER WALL WITH CL RAILING		TEMPORARY CONSTRUCTION EASEMENT
	CHAIN LINK FENCE		INDEX CONTOUR		TEMPORARY FENCE
	COLD JOINT		IRRIGATION SYSTEM		TRAFFIC BARRIER (E)
	COMMUNICATION CONDUIT CONCEALED		JOINT TRENCH, EXISTING		CONDUIT, TELEPHONE EXISTING
	CONDUIT, TRAFFIC SIGNAL INTERCONNECT		JOINT TRENCH		CONDUIT, TELEPHONE
	CONDUITS BY OTHERS OR EXISTING		K-RAIL		CONCRETE BARRIER
	CONCRETE DITCH		LIQUID FUEL SYSTEM		TYPE II PEDESTRIAN BARRICADE
	CONCRETE HEADER		LOT LINE / PROPERTY LINE		UNDERDRAIN
	CONCRETE PROTECTION		LOW BARRIER FENCE		CONDUIT, UNDERGROUND AS NOTED IN THE PLANS
	CONDUIT RUN		MEDIAN FENCE		UTILITY PIPELINE VALVE
	CS TROUGH		NATURAL GAS SYSTEM		WATER LINE
	CSD (COMBINED SYSTEM DUCT) - CONCRETE ENCASED		NEW		
	CSD REINFORCED CONCRETE ENCASED		NEW COPPER WIRE/CAT 6		
	CONDUIT RUN, CSJ		NEW FIBER OPTIC CABLE		
	CURB		NEW FIBER OPTIC CABLE		
	CURB & GUTTER		OVERHEAD UTILITY		
	DRAINAGE DITCH (UNLINED)		OVERHEAD CABLE TV		
	EASEMENT		OVERHEAD CABLE TV, TELEPHONE		
	ELECTRICAL		OVERHEAD ELECTRIC		
	ELECTRICAL SYSTEM		OVERHEAD ELECTRIC, CABLE TV		
	ELECTRIC TRANSMISSION		OVERHEAD ELECTRIC CABLE TV, TELEPHONE		
	CSD, EXISTING		OVERHEAD ELECTRIC, TELEPHONE		
	ELECTRICAL SERVICE CONCEALED		OVERHEAD ELECTRIC TRANSMISSION		
	EXISTING		OVERHEAD TELEPHONE		
	EXISTING COPPER WIRE/CAT 6		OVERLAND FLOW DIRECTION		
	EXISTING FIBER OPTIC CABLE		PERIMETER FENCE		
	EXISTING TO BE REMOVED		POWER CONDUIT CONCEALED		
	EXISTING ABANDONED SYSTEM		RACEWAY CONCEALED IN FLOOR, WALL, CEILING OR BELOW GRADE		
	EXISTING CONDUIT		REMOVE EXISTING CL FENCE		
	EXISTING EQUIPMENT TO BE REMOVED		REMOVE EXISTING CURB AND GUTTER		
	CONDUIT RUN, EXISTING CSJ		REMOVE EXISTING CURB/HEADER		
	EXISTING EASEMENT		REMOVED SYSTEM		
	EXISTING REMOVED SYSTEM		RETAINING WALL (LOL)		
	EXISTING RIGHT OF WAY		RETAINING WALL (E)		
	EXISTING STORM DRAIN SYSTEM		RIGHT OF WAY		
	EXISTING TRAFFIC SIGNAL CONDUIT		SANITARY SEWER SYSTEM		
	EXPANSION JOINT		SCORE JOINT		
	FENCE		SJ TYPE IV BARRIER		
	FIBER ROLLS		STAINLESS STEEL STRIP		
	FLEXIBLE CONDUIT		STORM DRAIN		
	GAS DISTRIBUTION		STORM DRAIN		

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BkF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

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CHECKED: M. Cosentino

DRAWN: A. Hernandez
CADD FILE NAME: 801GN024.dwg

Santa Clara Valley
Transportation
Authority

APPROVED




















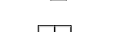
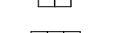





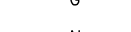
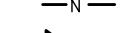
















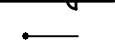
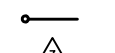
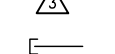

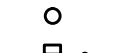


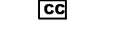
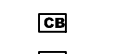
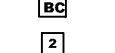
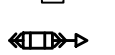

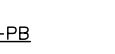


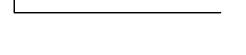

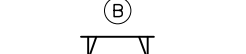
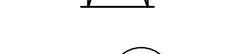
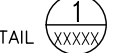

















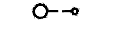




































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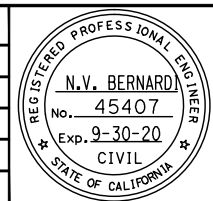
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL LEGEND - 1			SHEET OF DRAWING NO. GN024 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

LEGEND

                                       	<p>15+00 ELECTROLIER LOCATED AT STATION NUMBER "A"-2 PANEL "A" CIRCUIT 2</p> <p>3-PHASE FUSE ISOLATOR</p> <p>3-PHASE THERMAL OVERLOAD</p> <p>16" AC (FULL DEPTH) (TYPE A)</p> <p>10" AC (TYPE A) & 375 mm AB CL 3</p> <p>14" AC (FULL DEPTH) (TYPE A)</p> <p>AC PAVEMENT STRUCTURAL SECTION. (SEE TYPICAL ROADWAY SECTIONS)</p> <p>ABANDON IF APPLIED TO CONDUIT REMOVE CONDUCTORS</p> <p>ADVANCED PROCESSING CONTROLLER</p> <p>ALIGN</p> <p>AMMETER</p> <p>AMMETER SWITCH</p> <p>AUXILIARY SWITCH</p> <p>BATTERY</p> <p>BATTERY LIGHTING UNIT (EMERGENCY) AT +96 AFF</p> <p>BENCH TYPE 1</p> <p>BENCH TYPE 2A</p> <p>BENCH TYPE 2B</p> <p>BENCH TYPE 2C</p> <p>BIKE LOCKERS</p> <p>BIKE RACKS</p> <p>BOLLARD</p> <p>GROUND BUS</p> <p>NEUTRAL BUS</p> <p>CABLE TERMINATION</p> <p>CATHODIC PROTECTION</p> <p>CANTILEVER MAST ARM</p> <p>CANTILEVER MAST ARM (E)</p> <p>CATCH BASIN</p> <p>CATCH BASIN (E)</p> <p>CCTV CAMERA LOCATION (NIC)</p> <p>CCTV CAMERA</p> <p>CCTV CAMERA WITH PAN TILT ZOOM</p> <p>CIRCUIT BREAKER (RATING & No. OF POLES AS INDICATED)</p> <p>CENTER POINT</p> <p>CITY OF SAN JOSE FLAT GRATE INLET</p> <p>CITY OF SAN JOSE HOODED INLET</p> <p>CITY OF SAN JOSE MANHOLE</p> <p>CIRCUIT BREAKER</p>	                                  	<p>CLEANOUT</p> <p>COMMUNICATION SYSTEM PULL BOX OR MANHOLE - SEE ADJACENT SYMBOL FOR TYPE - (TYPE 'C' SHOWN)</p> <p>CONDUIT IDENTIFICATION. NUMBER DENOTES CONDUIT NUMBER</p> <p>CONDUIT RISER</p> <p>EXISTING CONDUIT RISER</p> <p>CONDUIT RUN NUMBER</p> <p>CONDUIT TERMINATION</p> <p>CONDUIT TURNED DOWN</p> <p>CONDUIT TURNED UP AND CAPPED</p> <p>CONCRETE PULLBOX, STATE #3 1/2 UON</p> <p>CONDUIT RISER</p> <p>CONDUIT TURNED-UP</p> <p>CONNECT NEW & EXIST CONDUIT. REMOVE CONDUCTORS AS INDICATED</p> <p>INSTALL CONDUIT INTO EXIST PULL BOX</p> <p>INSTALL PULL BOX IN EXIST CONDUIT</p> <p>CONSTRUCTION NOTE NUMBER</p> <p>CLASS 'T' PULL OUT</p> <p>CREEK</p> <p>PULL BOX, CS POWER</p> <p>PULL BOX, TE INDICATES TRACTION ELECTRIFICATION XXX INDICATES PULL BOX No.</p> <p>PULL BOX, CS COMMUNICATIONS</p> <p>CS INDICATES COMMUNICATION & SIGNAL PULL BOX XXX INDICATES PULL BOX No.</p> <p>PULL BOX, CSJ #3 1/2 UON</p> <p>CURB RETURN IDENTIFICATION LETTER</p> <p>DRIVEWAY</p> <p>INDICATES SECTION A OR DETAIL No. 1 DWG No. XXXXX (WHERE INDICATED OR SHOWN)</p> <p>DEMAND METER</p> <p>PROPOSED EMERGENCY VEHICLE PRE-EMPTION</p> <p>DETECTOR INSTALLED ON SIGNAL HEAD</p> <p>DIRECTION OF FLOW</p> <p>DIRECTION OF FLOW</p> <p>DRAINAGE SYSTEM No./ SANITARY SEWER SYSTEM No.</p> <p>DRAINAGE UNIT No.</p> <p>DRAINAGE INLET ON STRUCTURE</p>	                                          	<p>ELECTRIC HANDHOLE</p> <p>ELECTRIC MANHOLE</p> <p>ELECTRIC SWITCH BOX</p> <p>ELECTROLIER, EASTRIDGE LOOP ROAD</p> <p>ELECTROLIER</p> <p>ELECTROLIER, EXISTING</p> <p>ELECTROLIER, DOUBLE</p> <p>ELECTROLIER WITH (1) LIGHT FIXTURE</p> <p>ELECTROLIER WITH (1) LIGHT FIXTURE</p> <p>ELECTROLIER WITH (2) LIGHT FIXTURES</p> <p>ELECTRICAL EQUIPMENT</p> <p>ELECTRICAL MANHOLE</p> <p>EPB</p> <p>EPB</p> <p>EQUIPMENT TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR</p> <p>EQUIPMENT TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR</p> <p>PULL BOX, EXISTING CSJ #3 1/2 UON</p> <p>ELECTROLIER, EXISTING</p> <p>ELECTROLIER, EXISTING WITH (1) LIGHT FIXTURE</p> <p>ELECTROLIER, EXISTING WITH (2) LIGHT FIXTURES</p> <p>ELECTROLIER, EXISTING WITH (2) LIGHT FIXTURES</p> <p>EMERGENCY INFO PHONE</p> <p>EXISTING SIGN TO REMAIN</p> <p>EXISTING STORM DRAIN MANHOLE</p> <p>EXISTING STORM DRAIN INLET</p> <p>EXISTING STORM DRAIN FIELD INLET</p> <p>EXISTING SYSTEM TO BE ABANDONED</p> <p>EXISTING SYSTEM TO BE REMOVED</p> <p>EXOTHERMIC CONNECTION</p> <p>EXOTHERMIC WELD</p> <p>PULLBOX, FIBER OPTIC NOMINAL INSIDE DIMENSIONS: 430 x 760 x 600 D</p> <p>PULLBOX, FIBER OPTIC NOMINAL INSIDE DIMENSIONS: 430 x 760 x 600 D</p> <p>PULLBOX, FIBER OPTIC WITH SPACE FOR SPLICE. NOMINAL INSIDE DIMENSIONS: 760 x 1140 x 600 D</p> <p>PULLBOX, FIBER OPTIC WITH SPACE FOR SPLICE. NOMINAL INSIDE DIMENSIONS: 760 x 1140 x 600 D</p> <p>FLAGPOLE</p> <p>FLOAT SWITCH</p> <p>FLOOD LIGHT</p> <p>FLOODLIGHT, ARROWS INDICATE DIRECTION OF BEAM</p> <p>FUSE</p> <p>FUSIBLE SWITCH</p> <p>GAS DETECTOR SENSOR</p> <p>GROUND</p>
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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN025.dwg

Santa Clara Valley
Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
LEGEND - 2

PCA NO.: 000 CONTRACT NO.: C801 FILE LOCATION: PROJECTWISE

SHEET OF: GN025
DRAWING NO.: GN025
REVISION: C

LEGEND

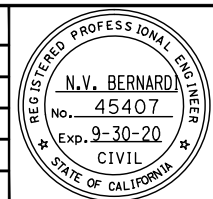
	GROUND GRID
	GROUND PIGTAIL
	GROUND ROD
	GROUND ROD EXOTHERMICALLY WELDED
	GROUND ROD IN GROUND BOX
	GROUND ROD IN TEST WELL
	GROUND WELL
	GUIDEWAY COLUMN
	HANDHOLE
	HAND-OFF-AUTO SELECTOR SWITCH
	HAND RAIL LIGHT
	HIGH-INTENSITY DISCHARGE OR INCANDESCENT LAMP FIXTURE (SUBSCRIPT "X" DENOTES FIXTURE TYPE)
	HID FIXTURE (SUBSCRIPT "X" DENOTES FIXTURE TYPE)
	HOLDING AREA BOLLARD LIGHT
	HOME RUN
	HOMERUN CONDUIT
	HORIZONTAL CONTROL
	HORIZONTAL & VERTICAL CONTROL
	HYDRANT
	HYDRANT (E)
	TEMPORARY TERMINAL BOX
	INDICATION LIGHT (A = AMBER)
	INLET PROTECTION
	INSTALL NEW SIGN
	INVERTER
	JAGGED RIP-RAP PAVING
	JUNCTION BOX
	JUNCTION BOX IN ACCESSIBLE LOCATION
	BLANKED JUNCTION BOX
	WALL-MOUNTED JUNCTION BOX
	KEY NOTES
	KILOWATT-HOUR METER
	LAYOUT POINT OF BEGINNING
	LIGHT FIXTURE TAG
	LIGHT POLE
	LIGHTING HANDHOLE
	LIQUID FUEL VALVE
	LIQ FUEL VALVE BOX

	EXIT LIGHT (CEILING- OR SURFACE-MOUNTED). PROVIDE DIRECTIONAL ARROWS AND SINGLE OR DOUBLE SIGN FACE AS SHOWN ON DRAWING. (SOLID INDICATES SIGN FACING, ARROWS INDICATE DIRECTION)
	PARKING LOT LIGHT
	PEDESTRIAN LIGHT
	LIGHTING ARRESTER
	LIGHTNING GRID
	LIGHT FIXTURE, FLUORESCENT SURFACE OR PENDANT-MOUNT (SUBSCRIPT "X" DENOTES FIXTURE TYPE)
	LOOP-C
	LOOP-5Q
	DOUBLE LUMINAIRE, POLE MOUNTED
	POLE MOUNTED LUMINAIRE
	LOOP, DETECTOR, INDUCTIVE
	LOOP DETECTOR, LRT ADVANCE
	LOOP DETECTOR, LRT RELEASE
	LRT SIGNAL/IDS CAMERA POLE FOUNDATION
	MANHOLE
	METALLIC WATER PIPE GROUND
	MICROPHONE/PA SPEAKER
	MOTOR
	MOTOR
	MOTOR SWITCH
	MOTOR WITH INTEGRAL DISCONNECT SWITCH
	MOTOR X- SIZE INDICATED
	NORMAL & EMERGENCY POWER PANEL
	NATURAL GAS VALVE
	NAT GAS VALVE BOX
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED OPEN CONTACT
	OPERATING COIL
	PACKAGE CONTROLLER/FURNISHED WITH MECHANICAL EQUIPMENT UNO
	PANEL BOARD
	FAN CONTROL PANEL
	MOTOR CONTROL PANEL
	REFRIGERATION CONTROL PANEL
	VENTILATION CONTROL PANEL
	DISTRIBUTION PANEL
	BRANCH CIRCUIT PANELBOARD (277/480V)

	BRANCH CIRCUIT PANELBOARD (120/208V OR 120/240V)
	PEDESTRIAN BARRICADE
	PEDESTRIAN SIGNAL
	PHASE FAILURE RELAY IN 3-PHASE SYSTEM
	PHOTO CENTER
	PHOTOELECTRIC CELL
	PHOTOELECTRIC CELL ON ROOF, AIM NORTH
	PIPE ELBOW
	PIPE VAULT
	WORKING POINT, POINT OF MINIMUM VERTICAL CLEARANCE
	POLE
	POWER POLE
	POWER POLE (E)
	POST
	TELEPHONE STANCHION
	PULL BOX
	PULL BOX
	PULL BOX (E)
	PULL BOX, # 3 1/2, UON
	PULL BOX/MANHOLE TYPE (TYPE 'D' SHOWN)
	PULL BOX, POWER SYSTEM OR MANHOLE - SEE ADJACENT SYMBOL FOR TYPE - (TYPE 'P' SHOWN)
	NEWSPAPER STAND
	RACEWAY DOWN
	RACEWAY EXPOSED
	RACEWAY UP
	RECEPTACLE, WALL-MOUNTED DUPLEX AFF UNO NEMA 5-20R
	RECEPTACLE, DOUBLE DUPLEX AT +380 AFF UNO NEMA 5-20R
	RECEPTACLE, SPECIAL PURPOSE (30 AMP 2 POLE OR AS NOTED)
	RECESSED CEILING LIGHT
	RECTIFIER
	REDUCER
	RELOCATE EXISTING SIGN
	REMOVE AND BECOME PROPERTY OF THE CONTRACTOR
	REMOVE AND SALVAGE EQUIPMENT
	REMOVE EXISTING SIGN
	RR SIGNAL
	RR SWITCH
	RR SWITCH BOX
	SANITARY SEWER ITEM
	SANITARY SEWER ITEM

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
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SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino

DRAWN: A. Hernandez
CADD FILE NAME: 801GN026.dwg

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS

SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
LEGEND - 3

PCA NO.: 000 CONTRACT NO.: C801 FILE LOCATION: PROJECTWISE

SHEET OF: GN026
REVISION: C

LEGEND

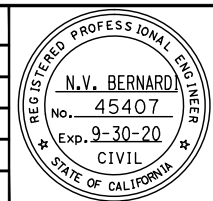
- INDICATES SECTION A OR DETAIL No. 1
DWG No. XXXXX (WHERE INDICATED OR SHOWN)
- SECTION CORNER
- SECURITY LIGHTING FIXTURE (SUBSCRIPT "X"
DENOTES FIXTURE TYPE)
- SEWER CLEANOUT/FLUSHING INLET
- SHEET NOTE REFERENCE
- SIGN
- ILLUMINATED SIGN
- SIGNAL POLE
- PROPOSED SIGNAL
- EXISTING SIGNAL
- REMOVE, SALVAGE OR RELOCATE
- LRT SIGNAL W/BACKPLATE
- SIGNAL LIGHT, FLASHING OR NON-FLASHING
- SINGLE LUMINAIRE, POLE MOUNTED
- SINGLE LUMINAIRE, POLE MOUNTED WITH PA SPEAKERS
- SINGLE LUMINAIRE, POLE MOUNTED WITH PA SPEAKERS AND VMB
- SINGLE LUMINAIRE, PEDESTAL MOUNTED
- SINGLE POLE TOGGLE SWITCH
- SOFFIT LIGHT FIXTURE
- SPLICE
- SOFFIT LUMINAIRE
- EXISTING SOFFIT LUMINAIRE
- SPLICE NEW TO EXISTING CONDUCTORS
- SPRINKLER HEAD
- COMBINATION STARTER - MOTOR AT AFF TO TOP
- MAGNETIC 2- OR 3- POLE MOTOR STARTER,
SUBSCRIPT INDICATES NEMA SIZE
- COMBINATION MAGNETIC MOTOR STARTER, WITH
MOTOR CIRCUIT PROTECTOR. SUBSCRIPT INDICATES NEMA SIZE
- STREET LIGHTS
- STRIPING DETAIL NUMBER PER CALTRANS
JULY 2004 STANDARD PLANS
- SURFACE MOUNTED FLUORESCENT LIGHT
- SURGE ARRESTOR, 3-PHASE
- SINGLE POLE SWITCH AT AFF
- 3 WAY SWITCH AT AFF
- MANUAL MOTOR STARTER SWITCH
- THERMAL OVERLOAD SWITCH
- DISCONNECT SWITCH
- STORM DRAIN MANHOLE

- DISCONNECT SWITCH (PLAN)
- FUSED DISCONNECT SWITCH:
SUBSCRIPT INDICATES:
SWITCH RATING (AMPERES)
NUMBER OR POLES
WP = WEATHERPROOF (NEMA-3R)
- NON-FUSED DISCONNECT SWITCH:
SUBSCRIPT INDICATES:
SWITCH RATING (AMPERES)
NF = NON-FUSED
WP = WEATHERPROOF (NEMA-3R)
- TELEPHONE OUTLET
- TELEPHONE HANDHOLE
- TELEPHONE MANHOLE
- TELEPHONE POLE
- TEMPORARY BUS STOP
- TES POLE DOWN GUY
- TES POLE FOUNDATION
- THERMOSTAT
- TRACK ALIGNMENT CURVE IDENTIFICATION No.
- TRANSFORMER
- TRANSFORMER - DELTA WINDINGS
- TRANSFORMER - WYE WINDINGS
- CURRENT TRANSFORMER
- POWER TRANSFORMER (PLAN)
- POTENTIAL TRANSFORMER
- TRAFFIC SIGNAL (E)
- TRAFFIC SIGNAL, ARROW W/BACKPLATE
- TRAFFIC SIGNAL CONTROLLER CABINET W/DOOR SWING
- TRAFFIC SIGNAL W/ARM & POLE (E)
- TRAFFIC SIGNAL W/BACKPLATE & ELECTROLIER
- TRAFFIC SIGNAL WITH BACKPLATE
- TRAFFIC SIGNAL EXTENDED
- TEMPORARY TRAFFIC STRIPE
- TRANSMISSION TOWER
- TRASH RECEPTACLE
- TREE GRATE WITH TREE GUARD
- TREE TO REMAIN
- TREE TO BE REMOVED
- TREES & BRUSH

- TUBULAR STEEL POLE
- TVM
- TV MANHOLE
- TV HANDHOLE
- TV BOX
- TYPE I PEDESTRIAN BARRICADE
- TYPE III OR III M SERVICE CABINET W/DOOR SWING
- TYPICAL DUCTBANK CROSS SECTION CALL OUT
- UNDERGROUND CONDUIT DUCT (INDICATE TYPE, SIZE
AND NUMBER OF CONDUITS BY CROSS SECTION
IDENTIFICATION OF EACH RUN, OR BY NOTATION)
- UP, DOWN OR UP/DOWN WALL LIGHT
- UTILITY
- UTILITY BOX
- UTILITY BOX
- UTILITY BOX (E)
- UTILITY MANHOLE
- UTILITY VAULT
- VERTICAL CONTROL
- VOLTMETER
- VOLTMETER SWITCH
- WALL MOUNTED FLUORESCENT LIGHT
- WATER METER
- WATER VALVE
- WATER VALVE BOX
- WATTMETER
- WATT HOUR METER
- WIND TURBINE
- ← INDICATES CALTRANS STANDARD PLAN SHEET No.
- ← INDICATES DETAIL No.
- ← INDICATES SECTION No.
- ← INDICATES DRAWING No. SHOWN ON
- ← INDICATES DETAIL No.
- ← INDICATES DRAWING No. SHOWN ON

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi CHECKED: M. Cosentino

DRAWN: A. Hernandez CADD FILE NAME: 801GN027.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20 SCALE: NTS

SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			SHEET OF
GENERAL LEGEND - 4			DRAWING NO. GN027
			REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

NOTES:

1. HORIZONTAL AND VERTICAL DATUM PER SANTA CLARA VALLEY TRANSPORTATION AUTHORITY CAPITOL EXTENSION LIGHT RAIL PROJECT CONTROL REPORT CREATED BY HMH ENGINEERS, DATED JANUARY 24, 2017.
2. THE FINAL COORDINATES, BASED ON NAD83. EPOCH 1991.35 ARE LISTED IN U.S. SURVEY FEET ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 3.
3. THE ELEVATIONS, BASED ON NAVD88. ARE ALSO PRESENTED IN U.S. SURVEY FEET.
4. THE COMBINED SCALED FACTOR IS 0.99995410. MULTIPLY BY 1.0000459 TO OBTAIN GROUND DISTANCES.
5. SEE SANTA CLARA VALLEY TRANSPORTATION AUTHORITY CAPITOL EXTENSION LIGHT RAIL PROJECT CONTROL REPORT. CREATED BY HMH ENGINEERS, DATED JANUARY 24, 2017.

LEGEND:

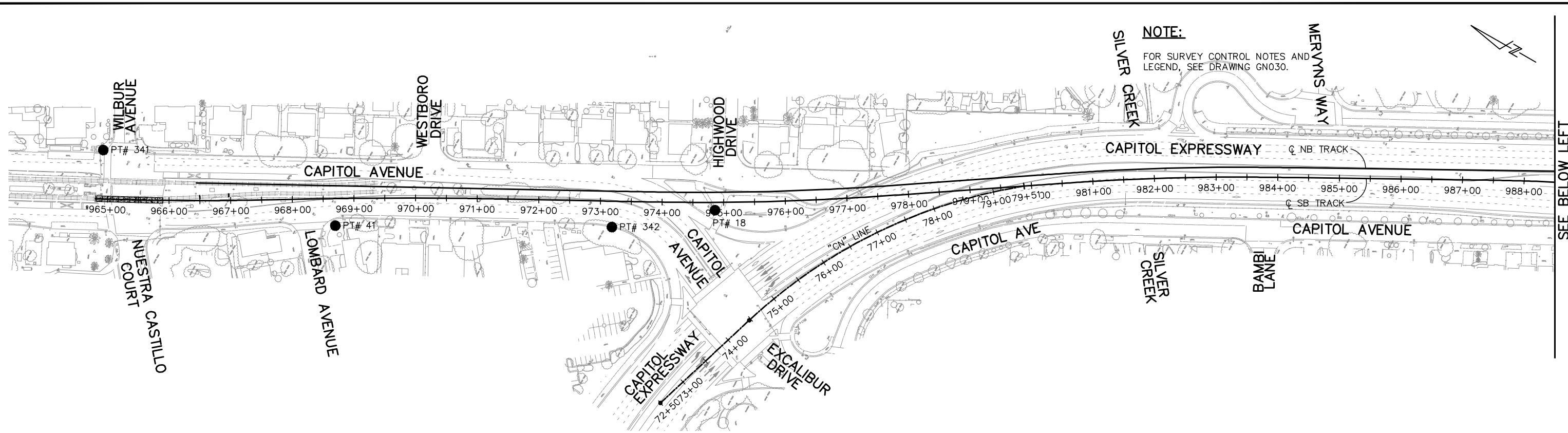
- SURVEY CONTROL POINT

Point #	Northing	Easting	Elev	Description	Stationing
18	1954703.89	6174996.29	116.27	FD VTA ALUM DISK "18" AT CAPITOL EXPRWY & CAPITOL AVE IN WALK AT +/- CENTER OF CAPITOL AVE AT N SIDE OF HIGHWOOD DR	"SB" 974+85.80 12.71' Rt
41	1955228.15	6174671.61	114.49	FD VTA ALUM CAP "41" IN W WALK CAPITOL AT SW CORNER OF LOMBARD & CAPITOL	"SB" 968+68.89 43.89' Rt
341	1955616.43	6174593.39	115.63	FD VTA ALUM CAP "341" IN NE CURB RETURN CAPITOL AVE AT WILBUR AVE, +/- 18' FROM ECR	"SB" 964+90.65 79.26' Lt
342	1954836.24	6174890.20	114.82	FD VTA ALUM CAP "342" IN W CURB CAPITOL AVE N OF HIGHWOOD DR +/- 34' S OF BC OF CURB	"SB" 973+19.28 41.93' Rt
344	1953426.40	6175648.45	115.28	FD VTA ALUM CAP "344" IN W CURB OF W FRONTAGE RD OF CAPITOL EXPRWY AT +/- PL BETW HOUSE #'s 937 & 953 CAPITOL EXPRWY	"SB" 989+27.28 101.53' Rt
347	1952302.69	6176400.82	116.54	FD VTA ALUM CAP "347" IN E WALK OF E FRONTAGE RD OF CAPITOL EXPRWY AT +/- 1' N OF ECR AT NE CORNER OF S CAPITOL AVE & TUDOR CT	"SB" 1002+73.18 113.82' Lt
348	1951610.56	6176767.92	118.01	FD VTA ALUM CAP "348" IN AC PAVING AT +/- E CURB LINE OF E FRONTAGE RD OF CAPITOL EXPRWY, 8.8' N OF S CURB BRISTOL DR	"SB" 1010+55.91 110.51' Lt
349	1950975.04	6177109.26	119.21	FD VTA ALUM CAP "349" IN AC PAVING 1.6' E OF E CURB LINE OF E FRONTAGE RD OF CAPITOL EXPRWY, 6.6' N OF S CURB COVENTRY DR	"SB" 1017+77.29 111.68' Lt
350	1950300.69	6177475.23	118.20	FD VTA ALUM CAP "350" IN AC PAVING 7.2' W OF E CURB LINE OF E FRONTAGE RD OF CAPITOL EXPRWY, 11.2' N OF S CURB WOODMOOR DR AT "DO NOT ENTER" BUBBLE	"SB" 1025+46.25 113.40' Lt
351	1949443.62	6178195.81	119.47	FD VTA ALUM CAP "351" IN N CURB OCALA AVE +/- 90.2' W OF EVERWOOD CT, EAST OF CAPITOL EXPRWY	"SB" 1036+36.92 341.24' Lt
352	1948504.35	6178202.68	119.16	FD VTA ALUM CAP "352" IN E CURB OF JOHNNY MONTGOMERY DR (AIRPORT FRONTAGE) +/- 115.8' S OF ROBERT FOWLER WAY, OPPOSITE AMELIA REID AVIATION BLDG (N OF CUNNINGHAM)	"SB" 1044+44.68 180.05' Rt
355	1946816.18	6179274.93	127.87	FD VTA ALUM CAP "355" IN AC PAVING 10.8' E OF W CURB SWIFT AVE (AIRPORT FRONTAGE) +/- 183.7' N ALONG SWIFT AVE OF 2nd PG&E TOWER (IN MEDIAN OF CAPITOL) S OF CUNNINGHAM AVE	"SB" 1064+78.78 102.17' Rt
357	1945238.74	6180381.17	135.38	FD VTA ALUM CAP "357" IN E CURB CAPITOL EXPRWY AT SOUTH MOST EXIT OF EVERGREEN SHOPPING CENTER, 14.8' S OF S BLDG LINE OF IN-N-OUT (2950 CAPITOL EXPRWY)	"SB" 1083+97.21 200.76' Lt
358	1944701.70	6180862.54	134.68	FD VTA ALUM CAP "358" IN 1" IP ON E LEVEE THOMPSON CREEK ALONG GLEN HANLEIGH DR AT +/- N CURBLINE OF GLEN HARDY CT PRODUCED, +/- 6.6' W OF CL FENCE AT E R/W CREEK	"SB" 1091+00.52 360.39' Lt
359	1944236.62	6181093.59	136.63	FD VTA ALUM CAP "359" IN 1" IP ON E LEVEE THOMPSON CREEK ALONG GLEN HANLEIGH DR +/- 28.9' S OF N CURB GLEN FENTON WAY, 6.9' W OF CL FENCE AT E R/W OF CREEK	"CS" 95+81.94 260.53' Lt
1044	1943068.71	6181411.15	143.63	FD BR CAP "SCVWD" IN S CURB QUIMBY RD AT +/- C/L OF BRIDGE OVER THOMPSON CREEK +/- 197' E OF CAPITOL EXPRWY	"CS" 107+51.06 210.77' Lt
6901	1949658.83	6177806.03	118.82	FD BRASS PIN IN CONC AT C/L BC AT S END E FRONTAGE RD OF CAPITOL EXPRWY 17.9' W OF E CURB, +/- 34.5' N OF N CURB S CAPITOL AVE PRODUCED (AFTER IT TURNS EAST)	"SB" 1032+65.65 95.38' Lt
6903	1949241.82	6177921.37	120.18	FD 3/4" IP & TAG "SANTA CLARA COUNTY SURVEYOR" IN MON WELL AT INTERSECTION OF OCALA AVE & CAPITOL EXPRWY	"SB" 1036+88.69 4.46' Lt
6904	1945749.09	6179996.02	133.76	FD 3/4" IP & TAG "SANTA CLARA COUNTY SURVEYOR" IN MON WELL AT INTERSECTION OF TULLY RD & CAPITOL EXPRWY (S'LY OF 2 WELLS)	"SB" 1077+63.94 105.70' Lt
6907	1943051.23	6181203.84	144.78	FD 3/4" IP & TAG "SANTA CLARA COUNTY SURVEYOR" IN MON WELL AT INTERSECTION OF QUIMBY RD & CAPITOL EXPRWY	"CS" 107+27.95 4.07' Lt
6908	1942387.48	6181289.50	146.55	FD SET SPIKE & WASHER W/ "PSOMAS FOR VTA 6908" IN 1" IP IN MEDIAN OF CAPITOL EXPRWY +/- 670' S OF QUIMBY, 6.9' W OF E CURB MEDIAN, +/- 40' N OF N LOT LINE OF MOBILE HOME PARK	

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

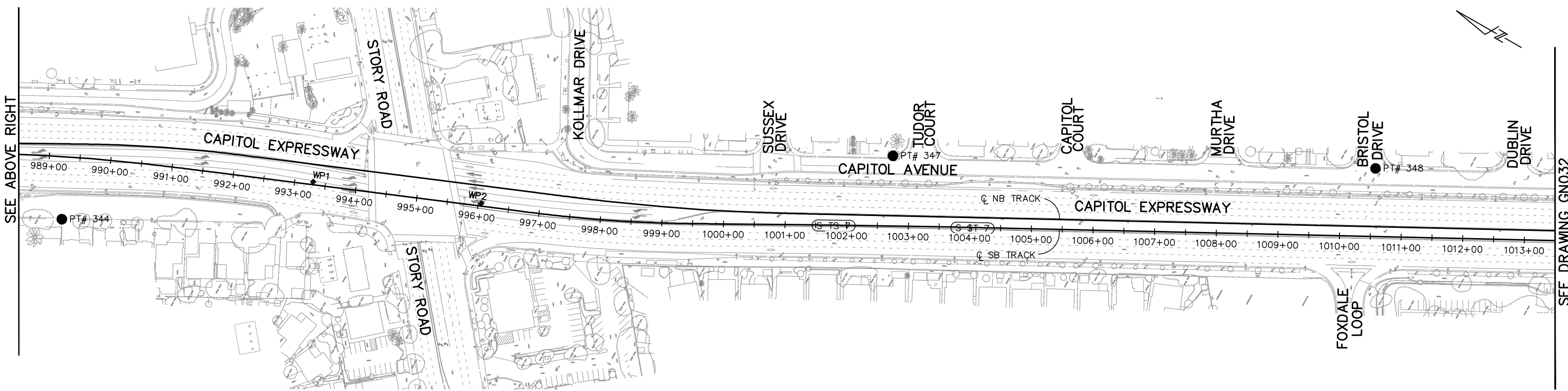
HERN Jun 29, 2020 - 6:28pm C:\cadd\lib\p\demomondez\west\19m98389\801GN030.dwg

<table border="1"> <tr> <td>C</td> <td>06/20</td> <td>95% SUBMITTAL SET</td> </tr> <tr> <td>B</td> <td>03/19</td> <td>65% SUBMITTAL SET</td> </tr> <tr> <td>A</td> <td>06/18</td> <td>35% SUBMITTAL SET</td> </tr> </table>		C	06/20	95% SUBMITTAL SET	B	03/19	65% SUBMITTAL SET	A	06/18	35% SUBMITTAL SET		<table border="1"> <tr> <td>DESIGNED</td> <td>J. Simmons</td> <td>CHECKED</td> <td>D. Thresh</td> </tr> <tr> <td>DRAWN</td> <td>A. Lara</td> <td>CADD FILE NAME</td> <td>801GN030.dwg</td> </tr> </table>	DESIGNED	J. Simmons	CHECKED	D. Thresh	DRAWN	A. Lara	CADD FILE NAME	801GN030.dwg		<table border="1"> <tr> <td>APPROVED</td> <td></td> </tr> <tr> <td>CADD FILE DATE</td> <td>03/06/20</td> <td>SCALE</td> <td>NTS</td> </tr> <tr> <td>SUBMITTAL DATE</td> <td>06/29/20</td> <td>BOARD APPROVAL DATE</td> <td></td> </tr> </table>	APPROVED		CADD FILE DATE	03/06/20	SCALE	NTS	SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE		<table border="1"> <tr> <td colspan="3">EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL CONSTRUCTION STAKING SURVEY CONTROL</td> </tr> <tr> <td>PCA NO.</td> <td>CONTRACT NO.</td> <td>FILE LOCATION</td> </tr> <tr> <td>000</td> <td>C801</td> <td>PROJECTWISE</td> </tr> </table>	EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL CONSTRUCTION STAKING SURVEY CONTROL			PCA NO.	CONTRACT NO.	FILE LOCATION	000	C801	PROJECTWISE	<table border="1"> <tr> <td>SHEET</td> <td>OF</td> </tr> <tr> <td>DRAWING NO.</td> <td>GN030</td> </tr> <tr> <td>REVISION</td> <td>C</td> </tr> </table>	SHEET	OF	DRAWING NO.	GN030	REVISION	C
C	06/20	95% SUBMITTAL SET																																															
B	03/19	65% SUBMITTAL SET																																															
A	06/18	35% SUBMITTAL SET																																															
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DRAWN	A. Lara	CADD FILE NAME	801GN030.dwg																																														
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NO.	DATE	REVISIONS																																															



NOTE:
FOR SURVEY CONTROL NOTES AND
LEGEND, SEE DRAWING GN030.

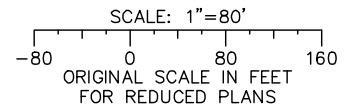
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SEE ABOVE RIGHT

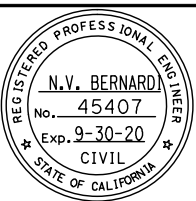
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ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN



HERN Jun 29, 2020 - 6:25pm C:\cadd\lib\p\chemonidez\west\cadd\gn031.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: J. Simmons
CHECKED: D. Thresh

DRAWN: A. Lara
CADD FILE NAME: 801GN031.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: 1" = 80'

SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
CONSTRUCTION STAKING SURVEY CONTROL
STA 964+80 TO STA 1013+50

SCALE: 1" = 80'
ORIGINAL SCALE IN FEET FOR REDUCED PLANS

PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
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SHEET OF	GN031
REVISION	C

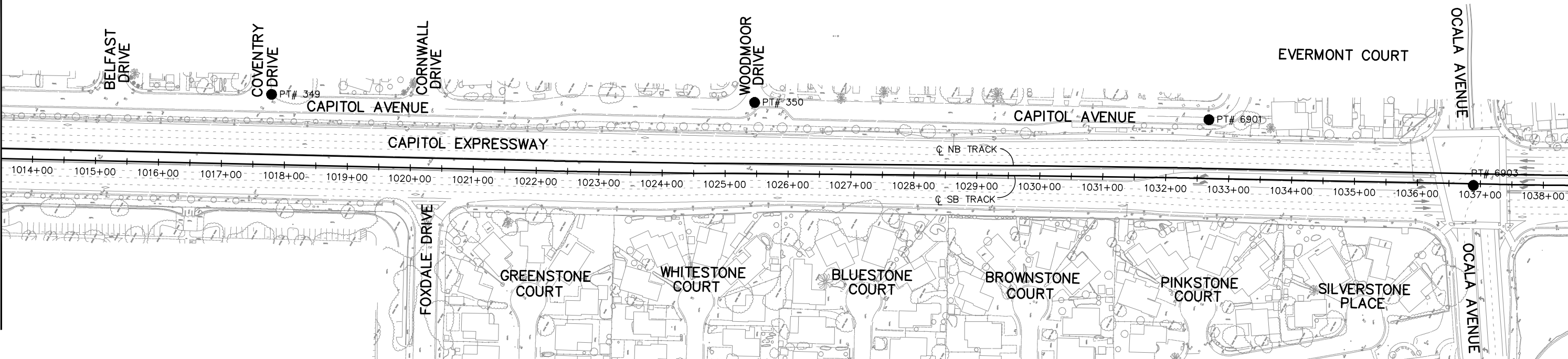
NOTE:

FOR SURVEY CONTROL NOTES AND LEGEND, SEE DRAWING GN030.

PT# 351 ●

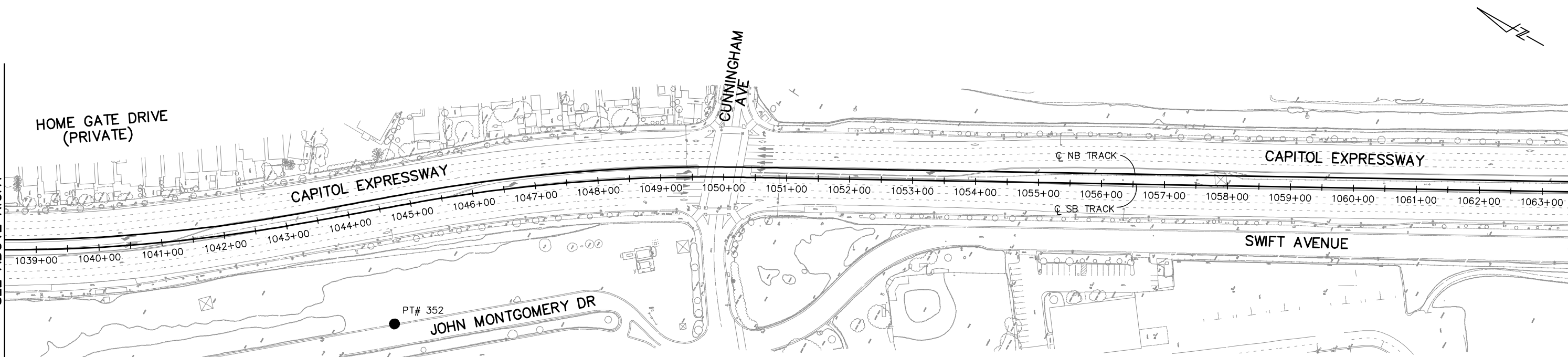
SEE DRAWING GN031

SEE BELOW LEFT

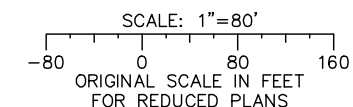


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SEE DRAWING GN033

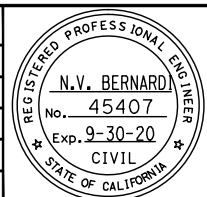


ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: J. Simmons
CHECKED: D. Thresh

DRAWN: A. Lara
CADD FILE NAME: 801GN032.dwg

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 80'
BOARD APPROVAL DATE:

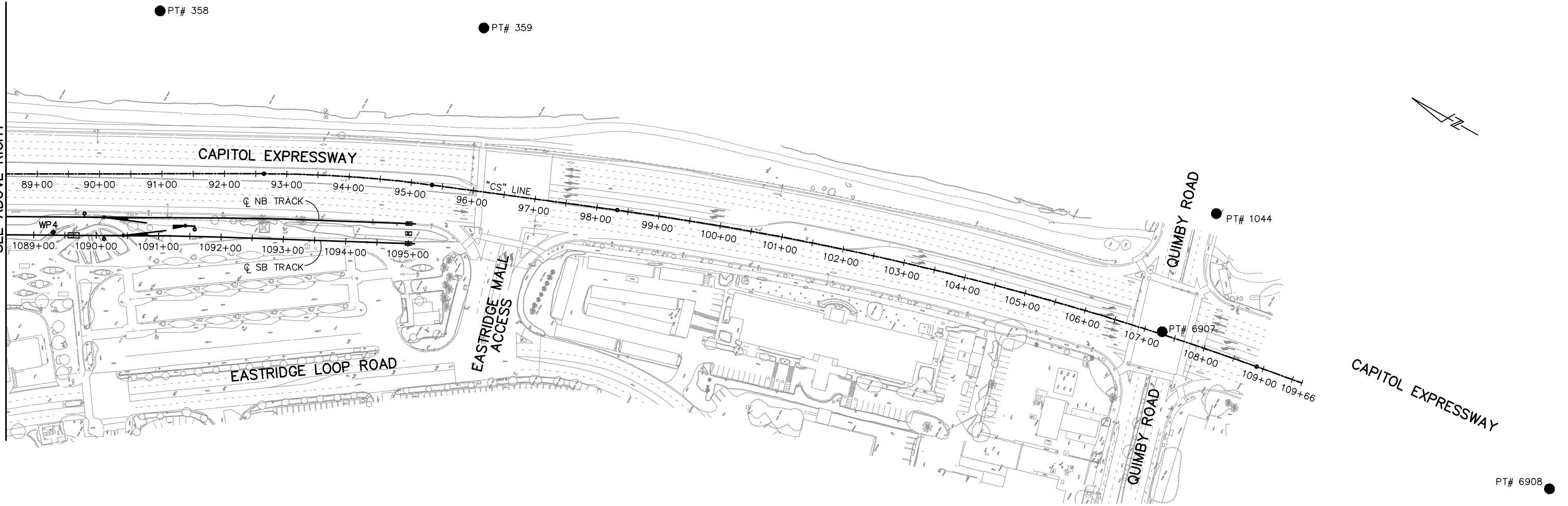
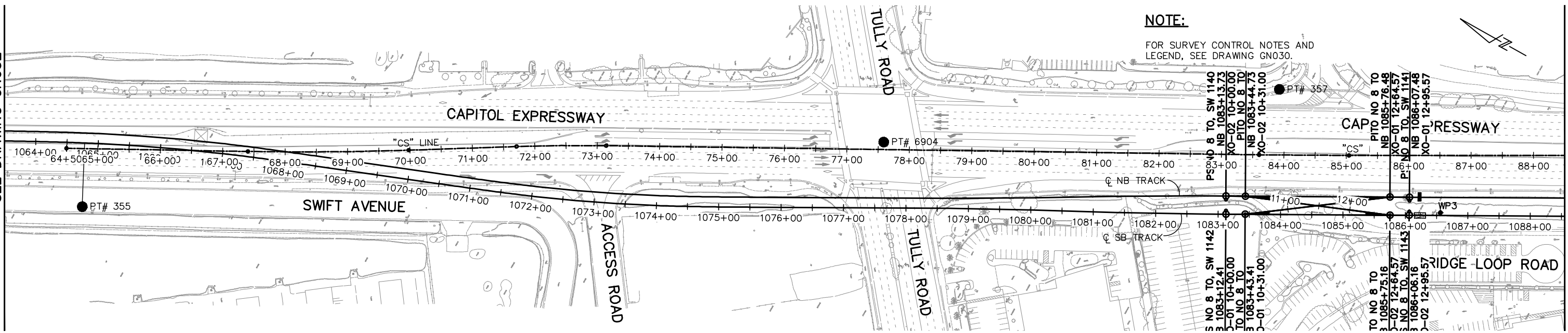
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL			SHEET OF
CONSTRUCTION STAKING SURVEY CONTROL STA 1013+50 TO STA 1063+50			DRAWING NO. GN032
PCA NO. 000			REVISION C
CONTRACT NO. C801	FILE LOCATION PROJECTWISE		

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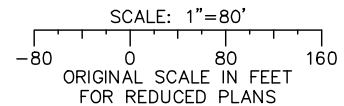
SEE DRAWING GN032

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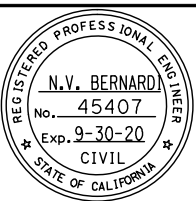
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ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

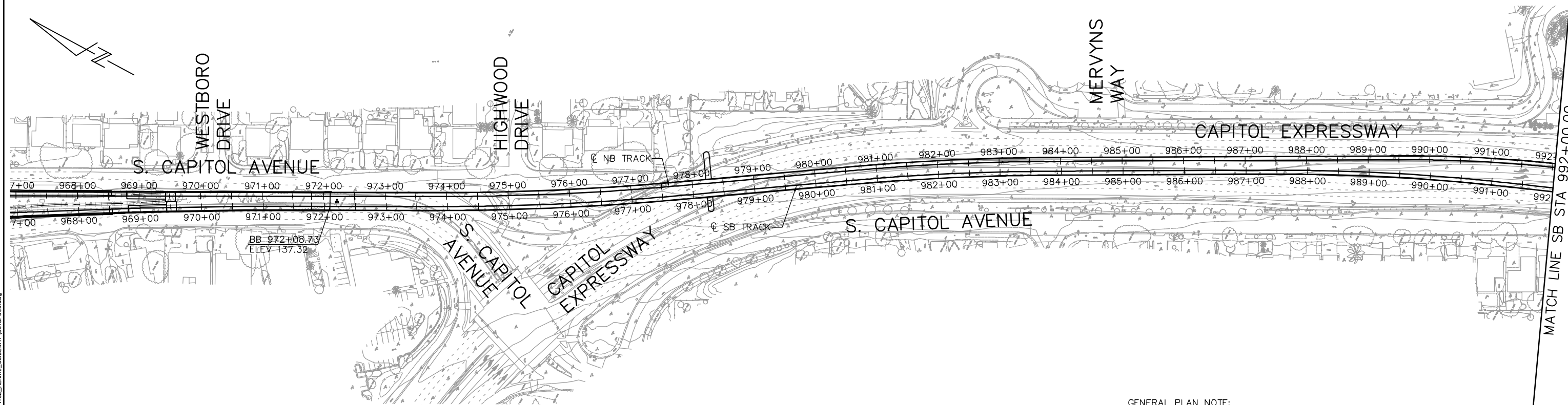
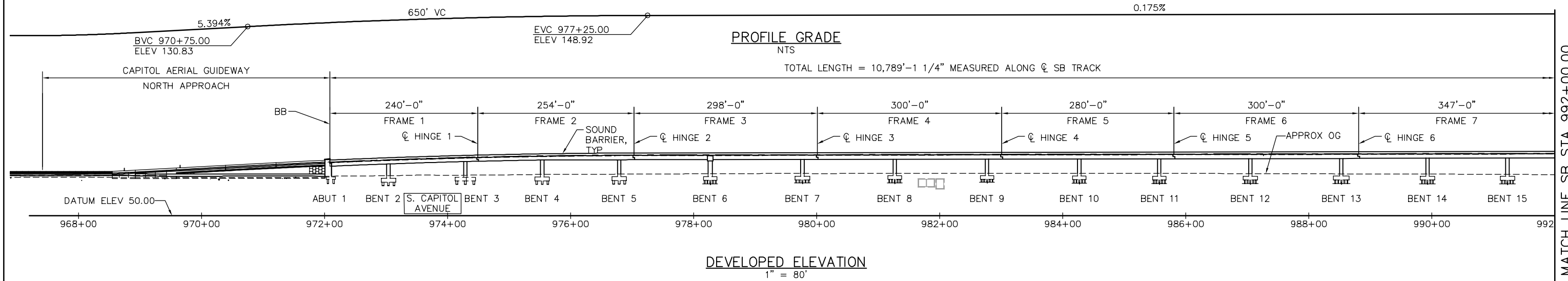


SUBMITTED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
 DESIGNED: J. Simmons CHECKED: D. Thresh
 DRAWN: A. Lara CADD FILE NAME: 801GN033.dwg



APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 03/06/20 SCALE: 1" = 80'
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET OF
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			
GENERAL			DRAWING NO. GN033
CONSTRUCTION STAKING SURVEY CONTROL			REVISION C
STA 1063+50 TO STA "CS" 109+66			
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



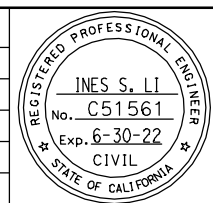
PLAN
1" = 80'

GENERAL PLAN NOTE:
FOR SPAN LENGTHS AND HINGE LOCATIONS, SEE "STRUCTURE PLAN" SHEETS.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:38am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP300.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP300



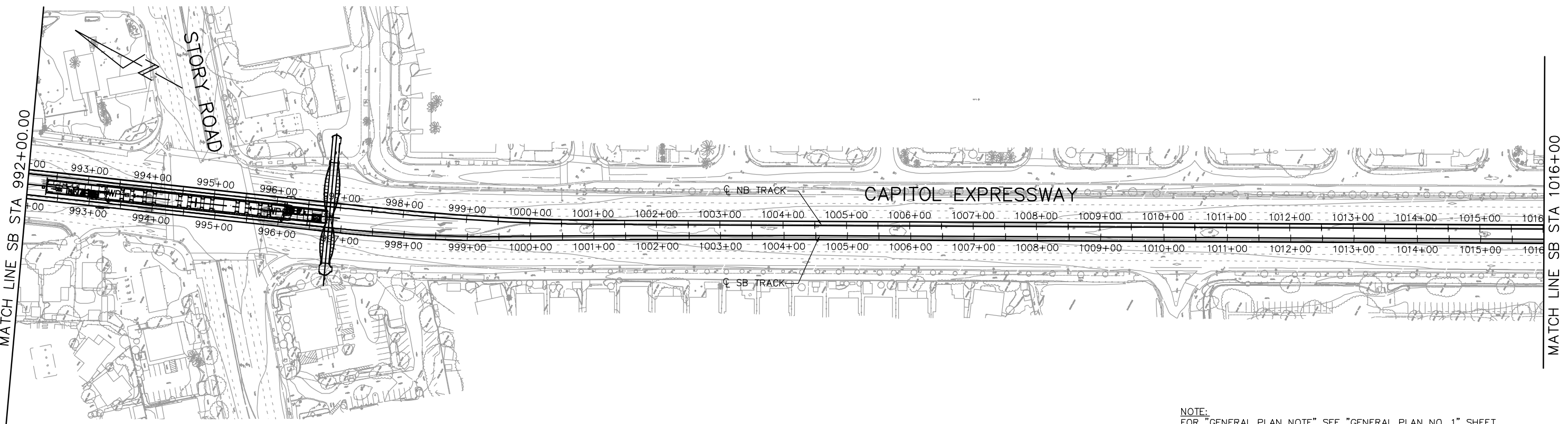
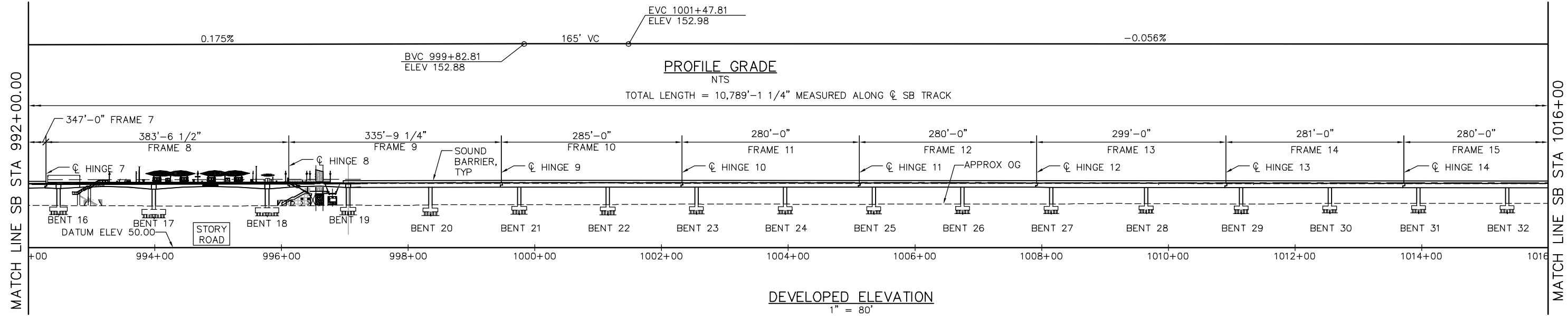
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 80'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GENERAL PLAN No. 1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP300
REVISION	C



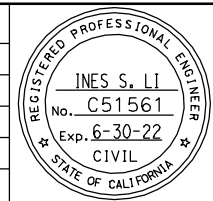
NOTE:
FOR "GENERAL PLAN NOTE" SEE "GENERAL PLAN NO. 1" SHEET.

PLAN
1" = 80'

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:38am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP301.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP301.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
1" = 80'

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

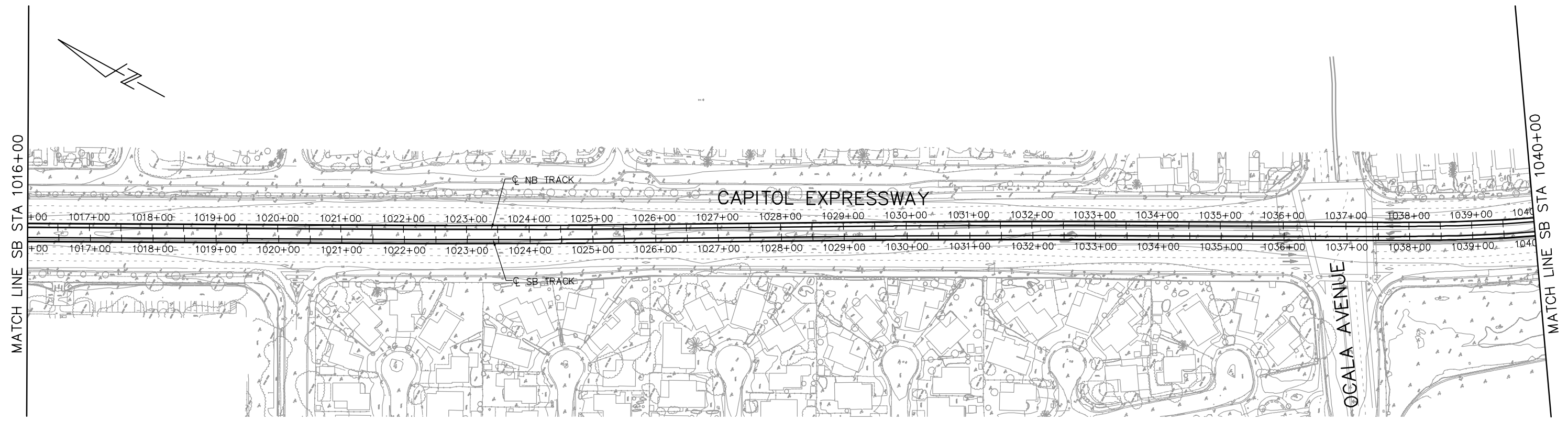
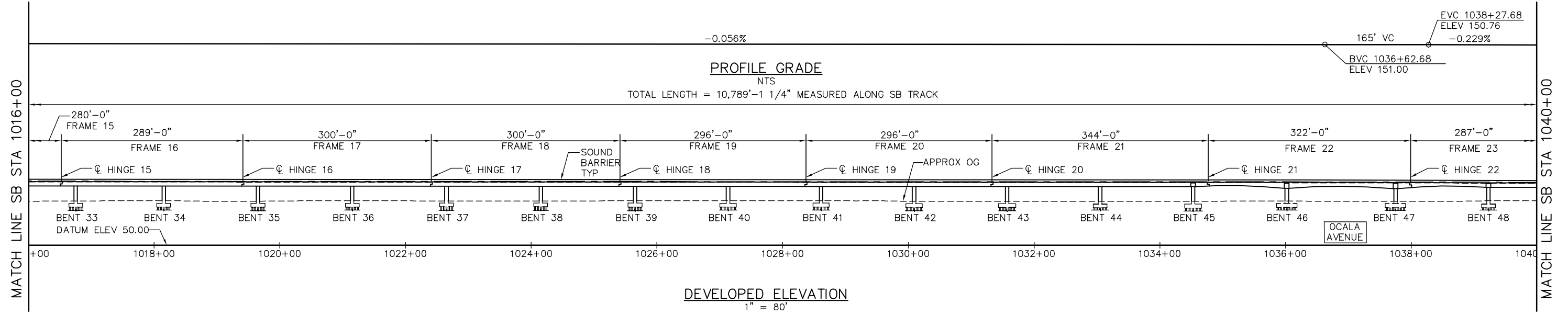
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CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GENERAL PLAN No. 2

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET	OF
DRAWING NO. SP301	REVISION C



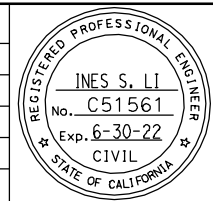
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1" = 80'

NOTE:
FOR "GENERAL PLAN NOTE" SEE "GENERAL PLAN NO. 1" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP302.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

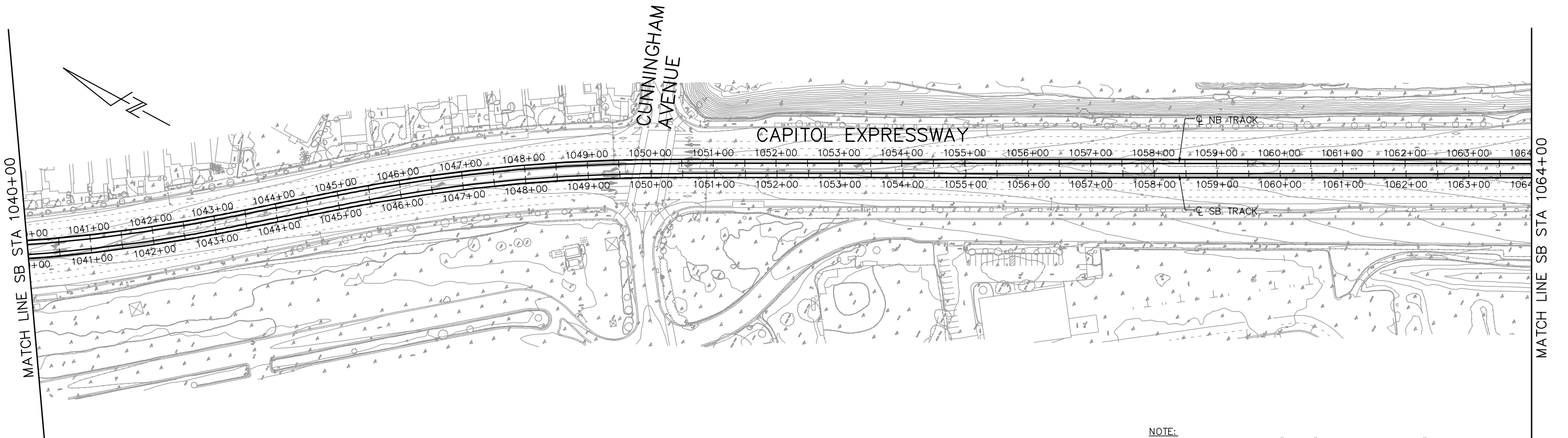
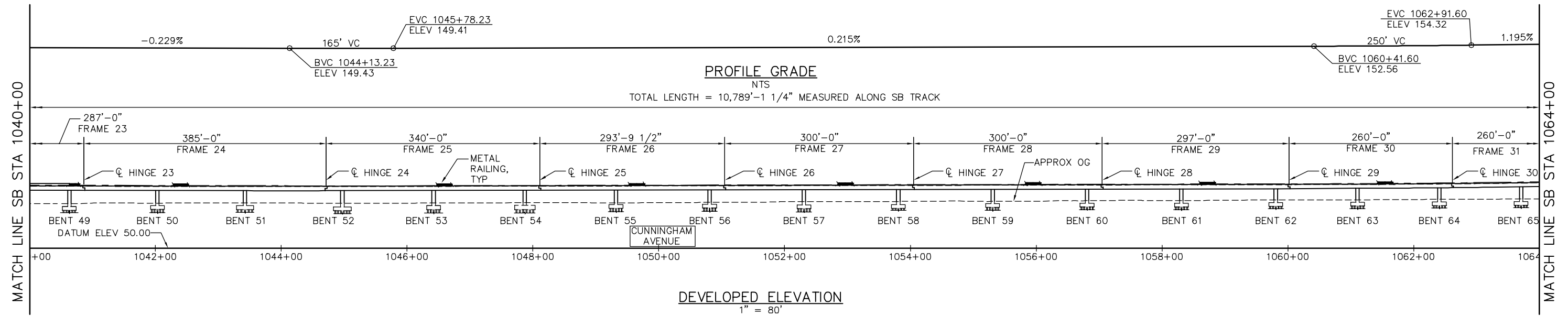
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 80'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GENERAL PLAN No. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	SP302
REVISION	C

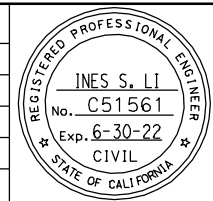


NOTE:
FOR "GENERAL PLAN NOTE" SEE "GENERAL PLAN NO. 1" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:40am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP303.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP303.dwg

BCA

Santa Clara Valley Transportation Authority

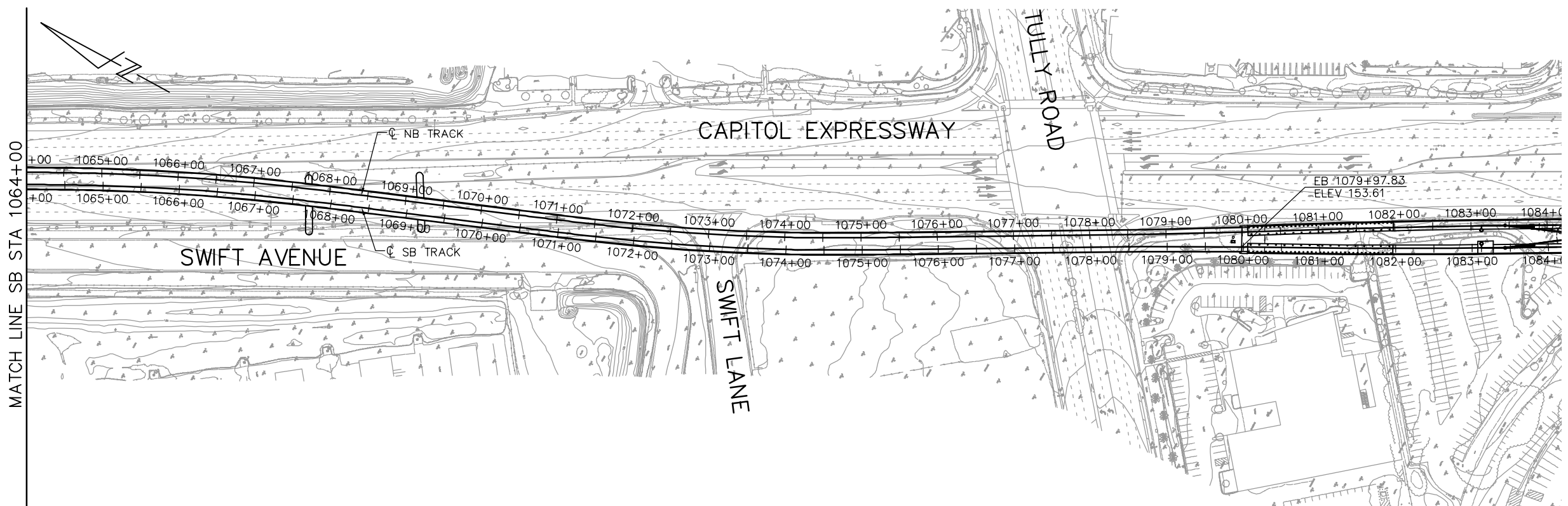
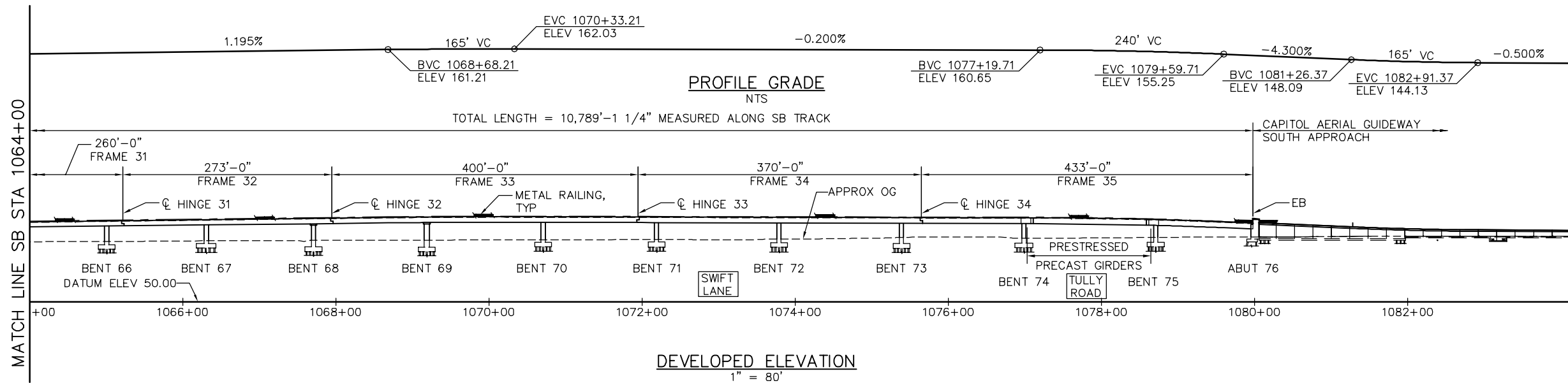
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 80'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GENERAL PLAN No. 4

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP303
REVISION	C



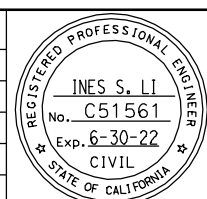
PLAN
1" = 80'

NOTE:
FOR "GENERAL PLAN NOTE" SEE "GENERAL PLAN NO. 1" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:40am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP304.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP304.dwg



APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 80'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GENERAL PLAN No. 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP304
REVISION	C

SMH Jun 21, 2020 - 8:41am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP306.dwg

2018 CALTRANS STANDARD PLANS

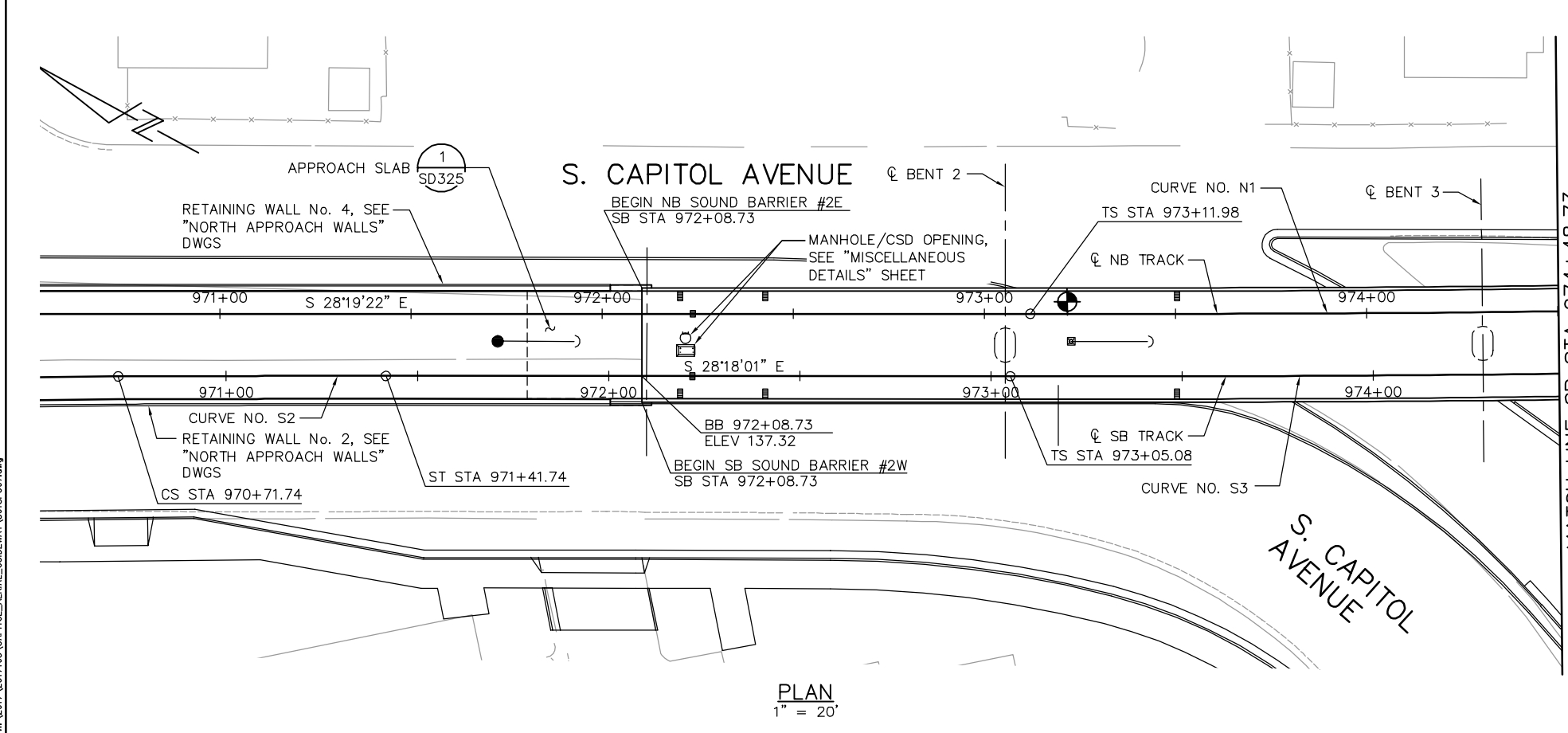
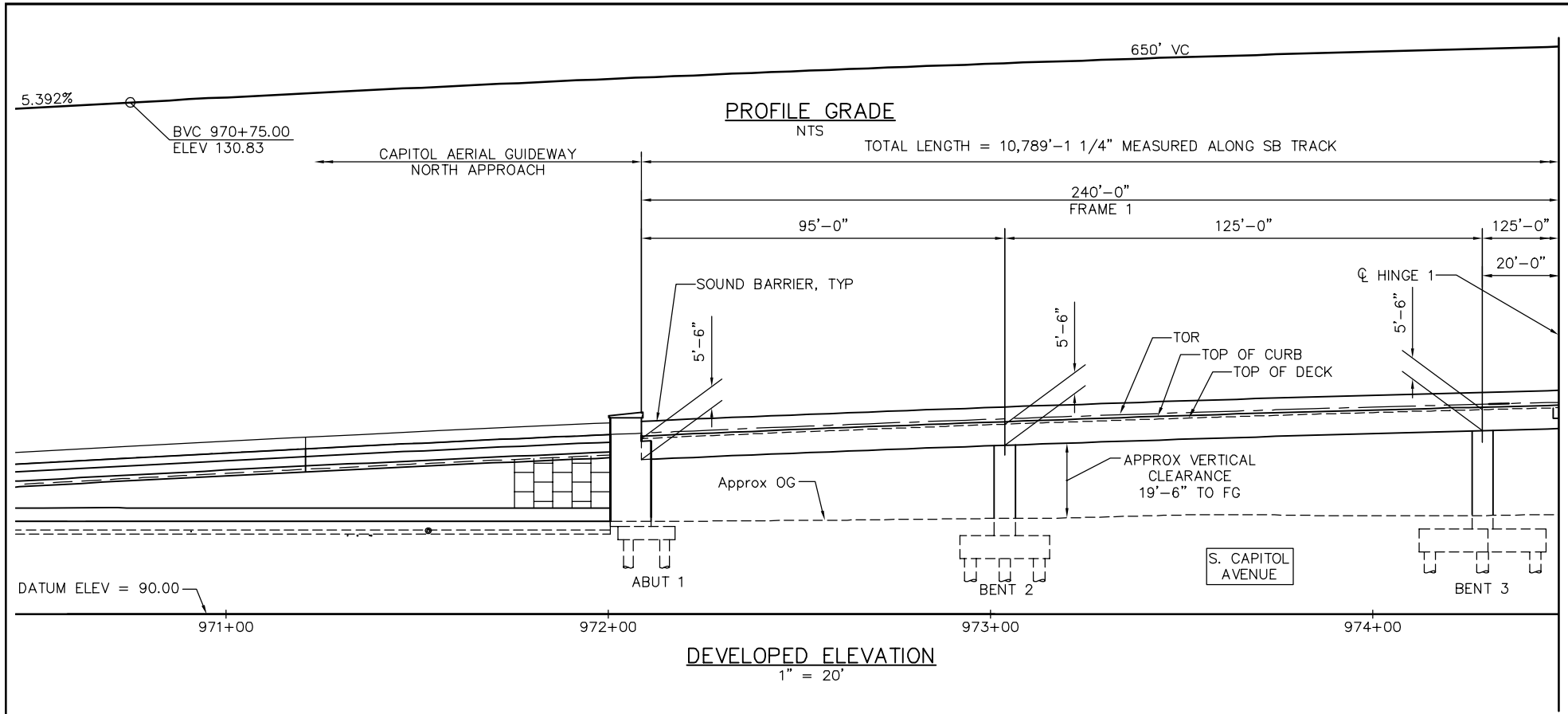
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A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND - LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND - LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND - LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND - LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND - LINES AND SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE
RSP B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
RSP B2-8	PILE DETAILS-CLASS 200
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B7-1	BOX GIRDER DETAILS
B7-8	DECK DRAINAGE DETAILS
B7-10	UTILITY OPENING BOX GIRDER
B8-5	CAST-IN-PLACE POST-TENSIONED GIRDER DETAILS

VTA LRT STANDARD DETAILS MANUAL DATED 2016

SA-001	ABBREVIATIONS AND SYMBOLS
STE-001	TRACTION ELECTRIFICATION-TES POLES
STE-005	TRACTION ELECTRIFICATION-STANDARD POLES
	TES POLE FOUNDATION
SRS-001	HIGH SIGNAL FOUNDATION

PLAN CHECK SET/NOT FOR CONSTRUCTION

<table border="1"> <tr><td>NO.</td><td>DATE</td><td>REVISIONS</td></tr> <tr><td>B</td><td>06/20</td><td>95% SUBMITTAL SET</td></tr> <tr><td>A</td><td>03/19</td><td>65% SUBMITTAL SET</td></tr> </table>			NO.	DATE	REVISIONS	B	06/20	95% SUBMITTAL SET	A	03/19	65% SUBMITTAL SET			<p>SUBMITTED</p> <p>BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS</p> <p>865 The Alameda San Jose, California 95128 408-296-5515</p> 				<p>APPROVED</p> 		<p>EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY GENERAL NOTES No. 2</p>			<p>SHEET OF</p> <p>DRAWING NO. SP306</p> <p>REVISION B</p>
NO.	DATE	REVISIONS																					
B	06/20	95% SUBMITTAL SET																					
A	03/19	65% SUBMITTAL SET																					
			<p>DESIGNED: D. CHAN</p> <p>CHECKED: D. DEVLIN</p> <p>DRAWN: S. HICKEY</p> <p>CADD FILENAME: 801SP306.dwg</p>		<p>CADD FILE DATE: 05/18/20</p> <p>SCALE: NTS</p> <p>SUBMITTAL DATE: 06/29/20</p> <p>BOARD APPROVAL DATE:</p>		<p>PCA NO. 000</p> <p>CONTRACT NO. C801</p> <p>FILE LOCATION: PROJECTWISE</p>																



MATCH LINE SB STA 974+48.73

MATCH LINE SB STA 974+48.73

STRUCTURE PLAN NOTES:

1. STRUCTURE DEPTHS SHOWN ON ELEVATIONS ARE MEASURED FROM TOP OF DECK TO BOTTOM OF SOFFIT.
2. FOR TRACK ALIGNMENT AND PROFILE SEE TG DWGS
3. PROFILE GRADE ELEVATION = SB LOWER RAIL ELEVATION.
4. FOR SPEED SIGNS, SEE JS DWGS FOR LOCATION. FOR SPEED SIGN FOUNDATION, SEE "SPEED SIGN, GUARDRAIL & GATE POST DETAILS" SHEET.

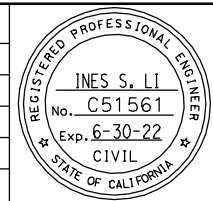
LEGEND:

- INDICATES OCS/TES POLE ON ELEVATED STRUCTURE, SEE "TES FOUNDATION DETAILS" SHEETS FOR FOUNDATION DETAILS, SEE PC DWGS FOR LOCATIONS
-) INDICATES GUY ANCHOR, SEE PC DWGS FOR LOCATIONS.
- ⊕ INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- INDICATES LRT SIGNAL, SEE JS DWGS FOR LOCATIONS
- INDICATES OCS/TES POLE ON GROUND, SEE PC DWGS FOR LOCATIONS
- INDICATES 2'-6"x1'-4" DRAINAGE INLET
- INDICATES 1'-8"x1'-4" DRAINAGE INLET

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:42am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP307.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



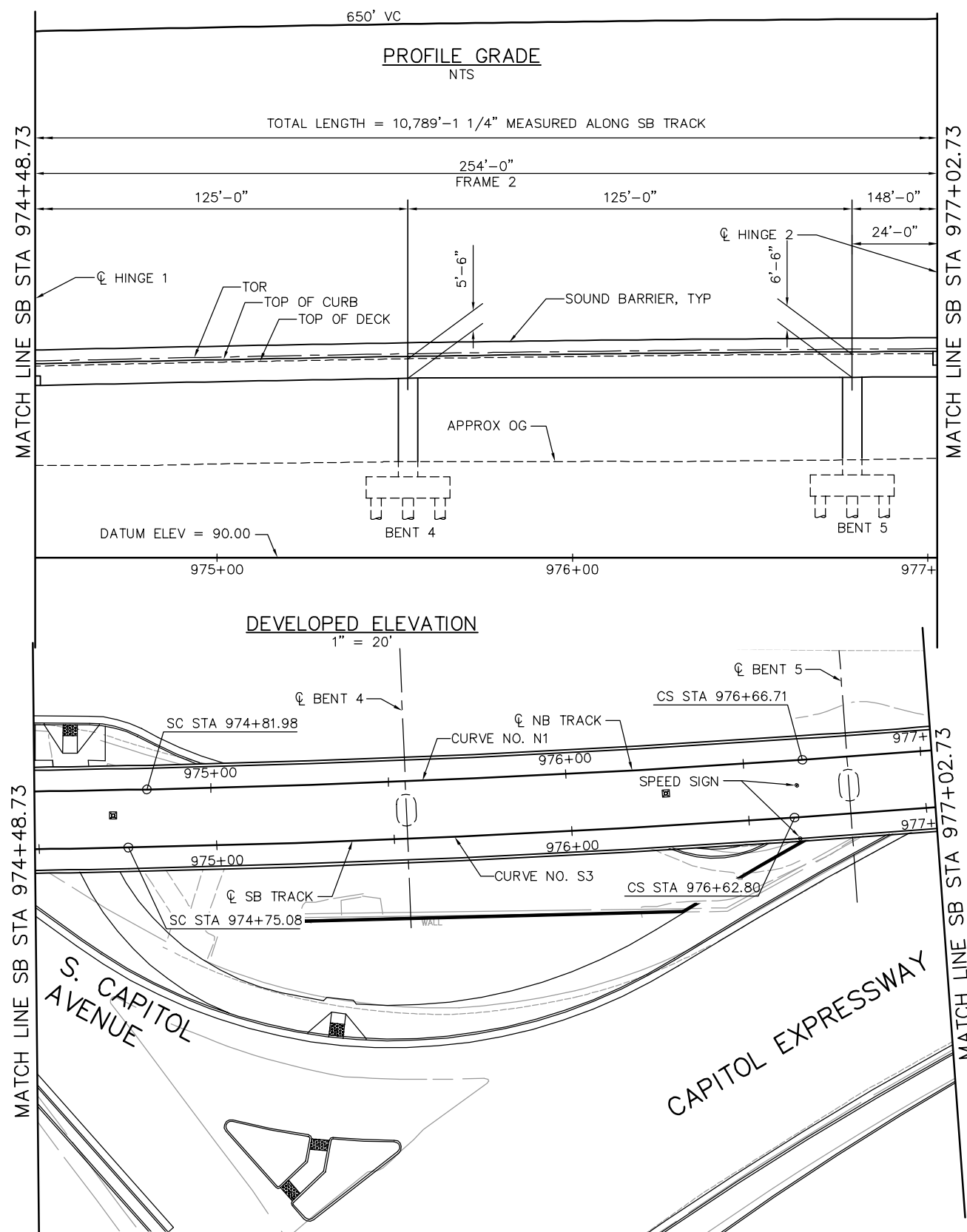
SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP307.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY STRUCTURE PLAN - FRAME 1			SHEET OF DRAWING NO. SP307 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



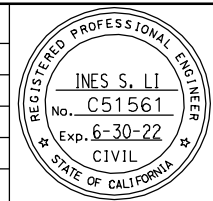
PLAN
1" = 20'

PLAN CHECK SET/NOT FOR CONSTRUCTION

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP308.dwg

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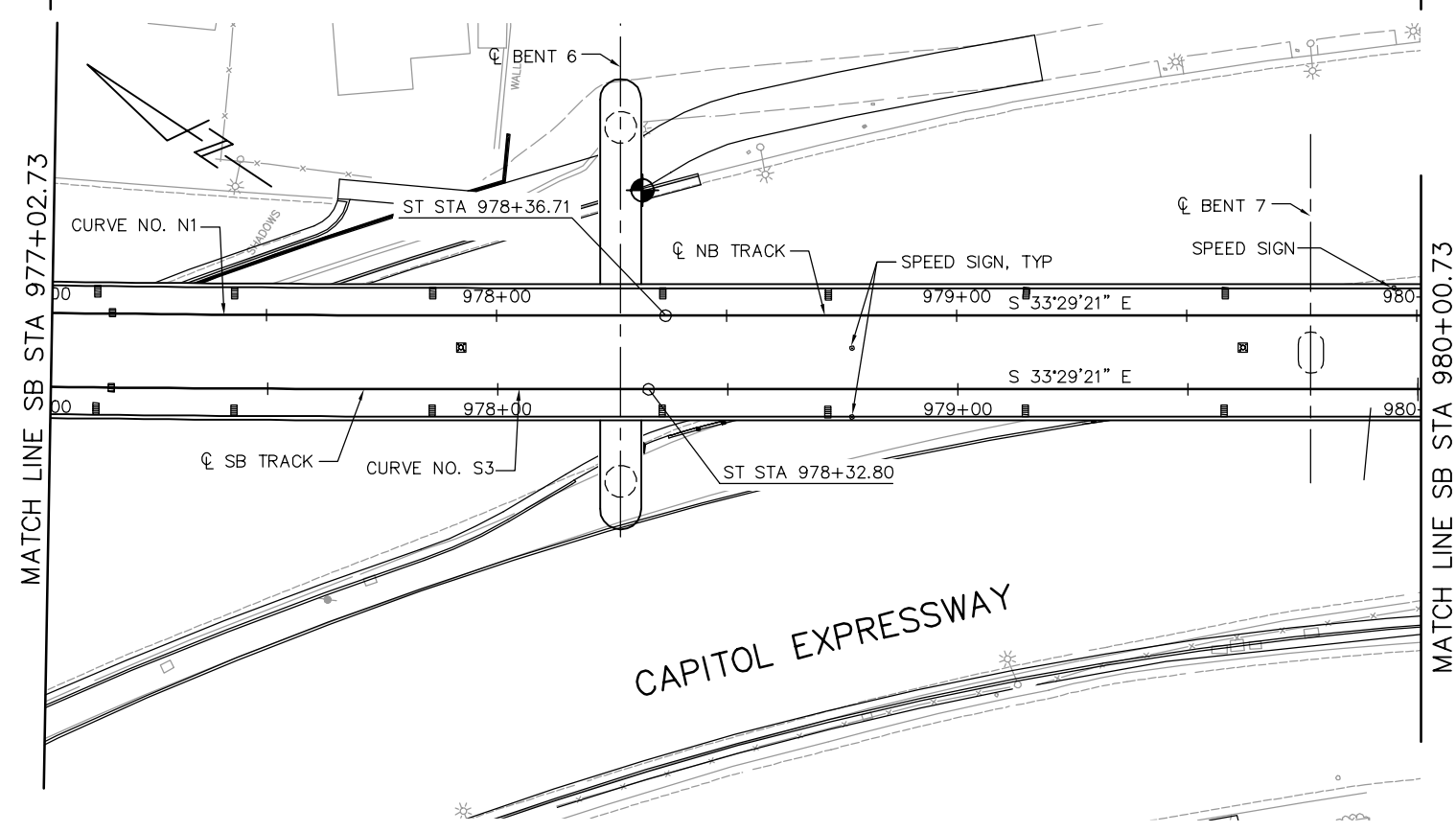
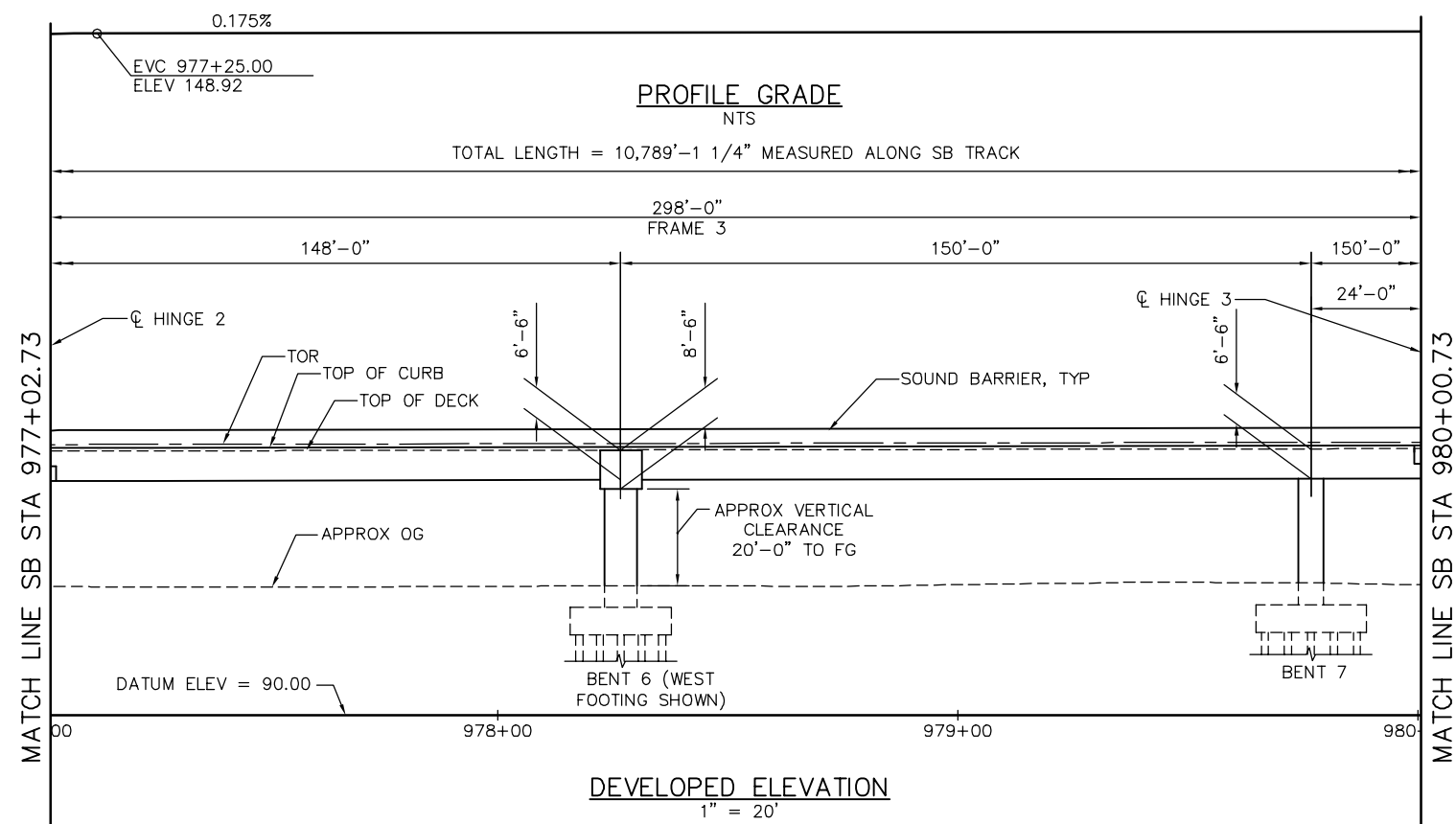
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP308 REVISION C



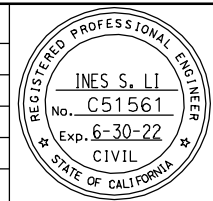
PLAN
1" = 20'

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:45am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP309.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP309.dwg

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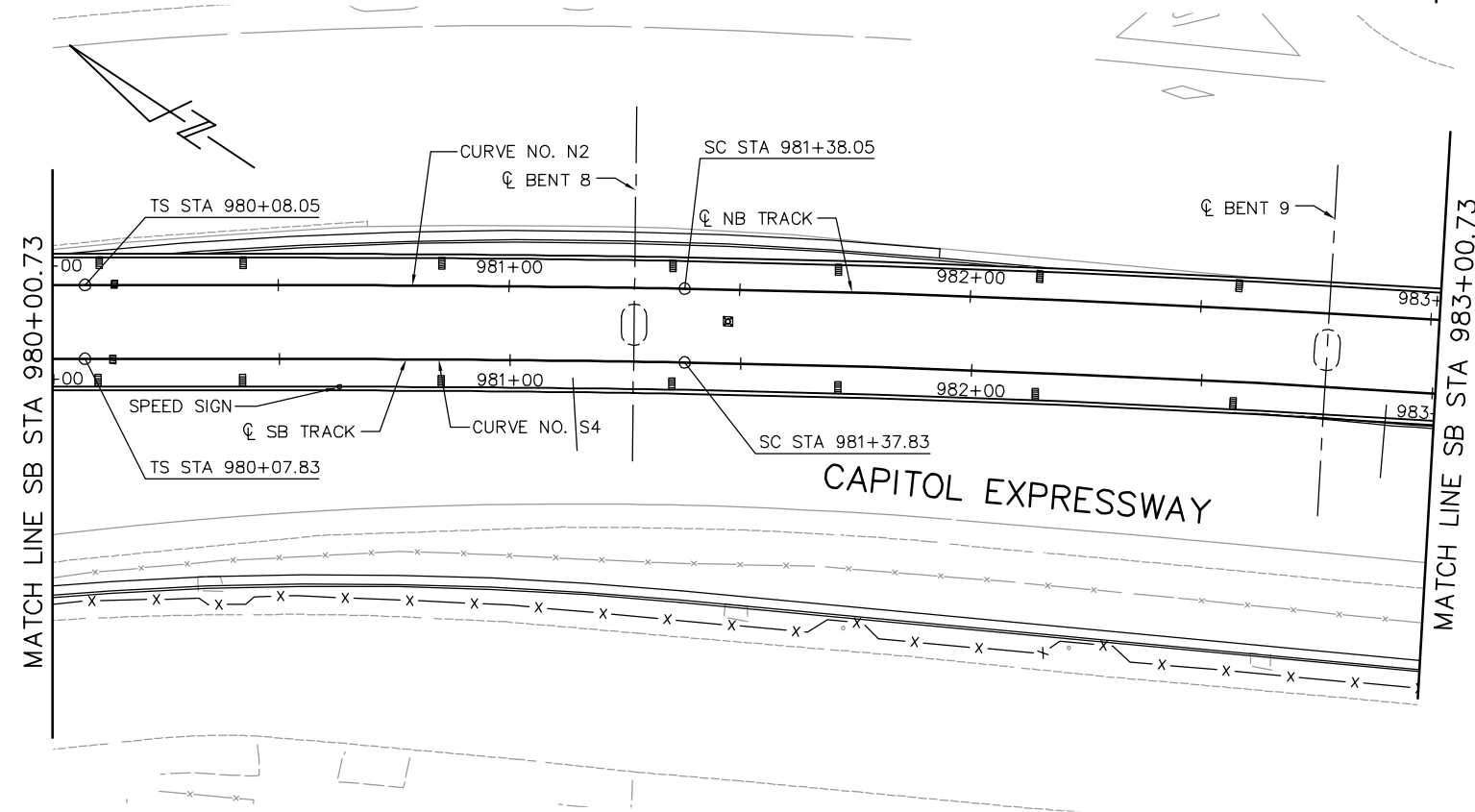
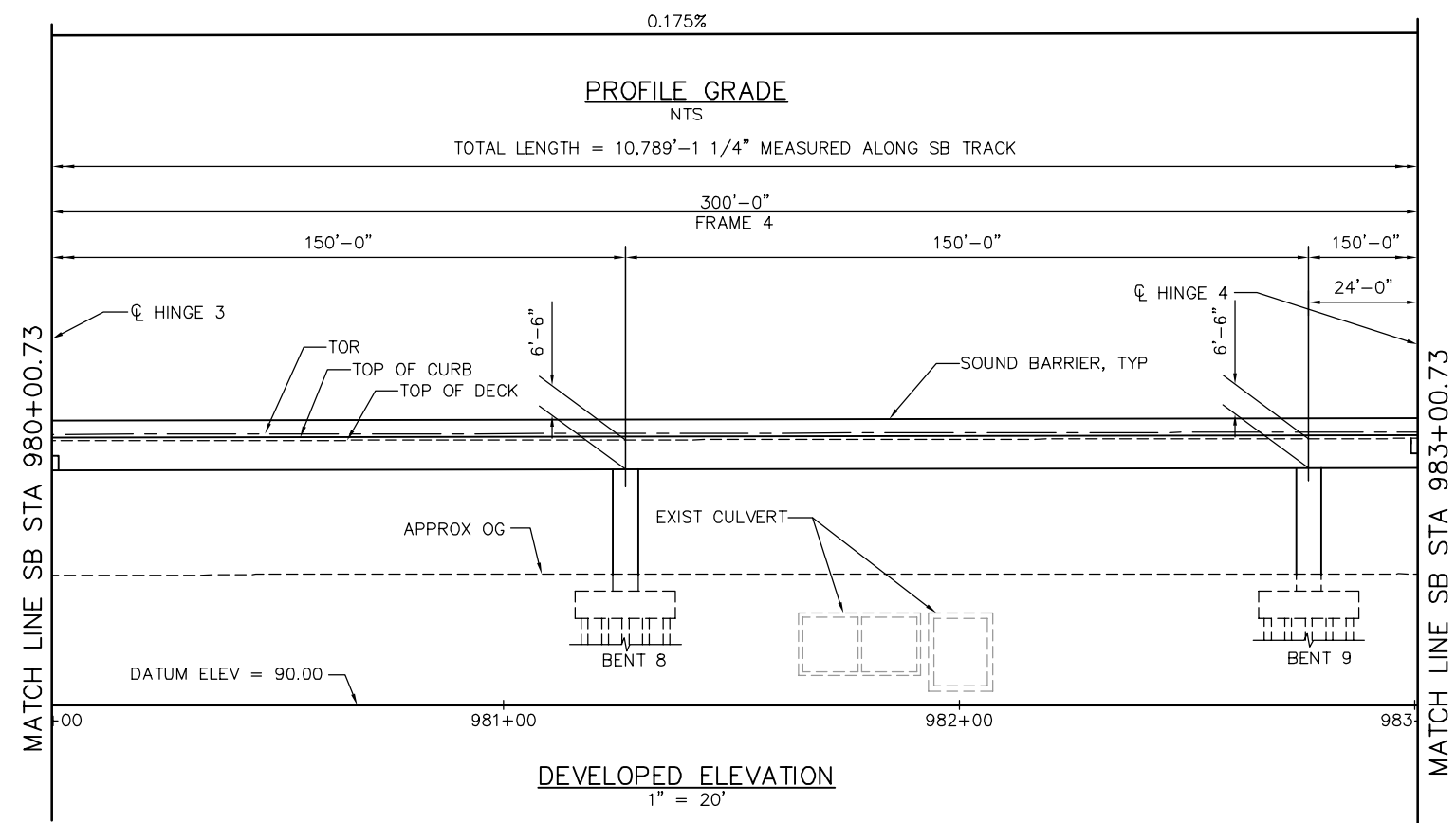
APPROVED

CADD FILE DATE: 06/20/20
SCALE: 1" = 20'
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP309
REVISION	C

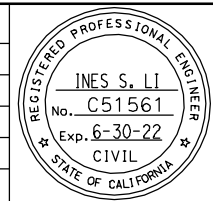


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:44am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP310.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

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DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP310.dwg

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Transportation
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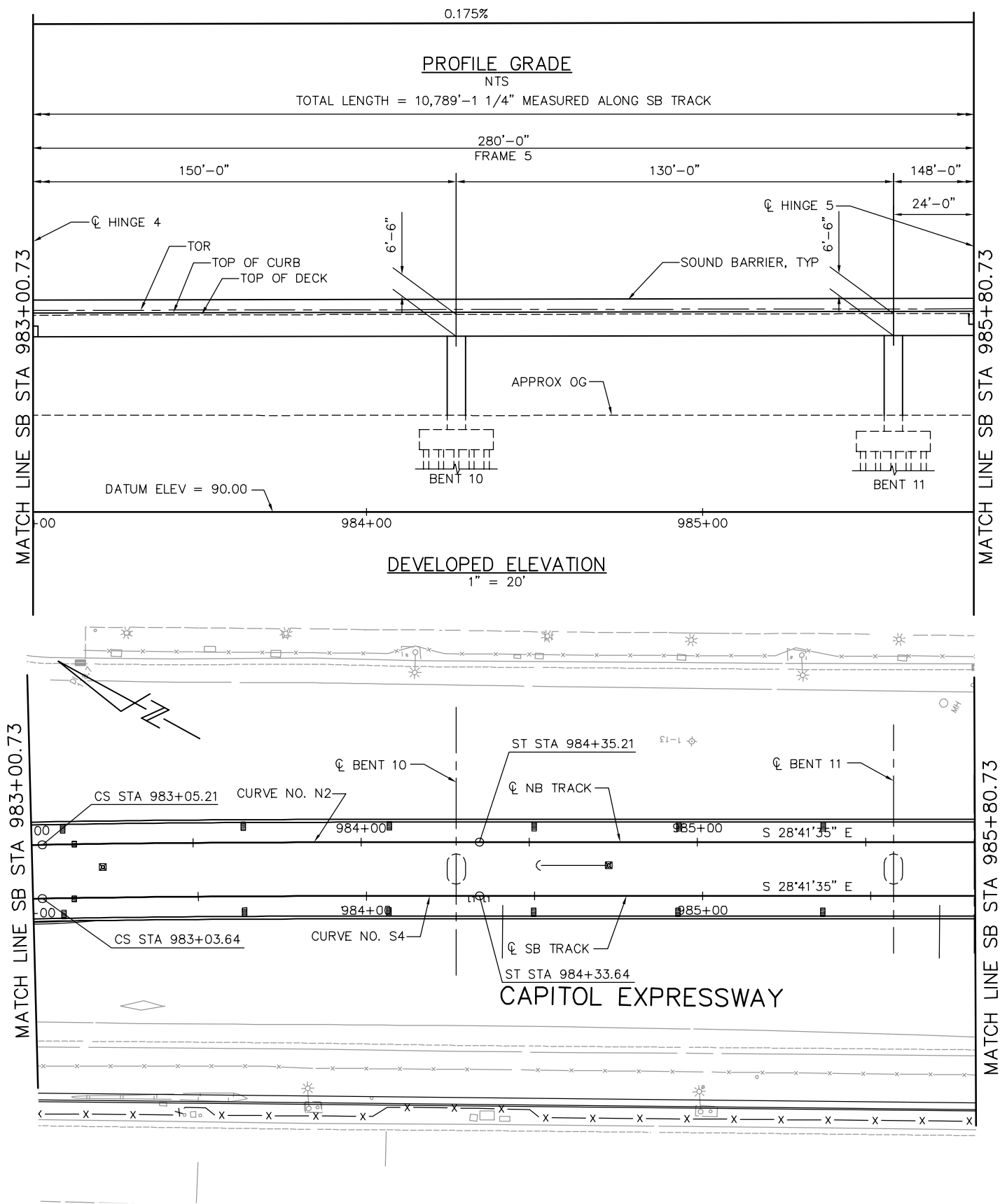
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 4

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SP310 REVISION C



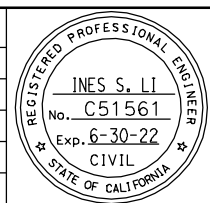
PLAN
1" = 20'

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:45am H:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP311.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

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DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP311.dwg

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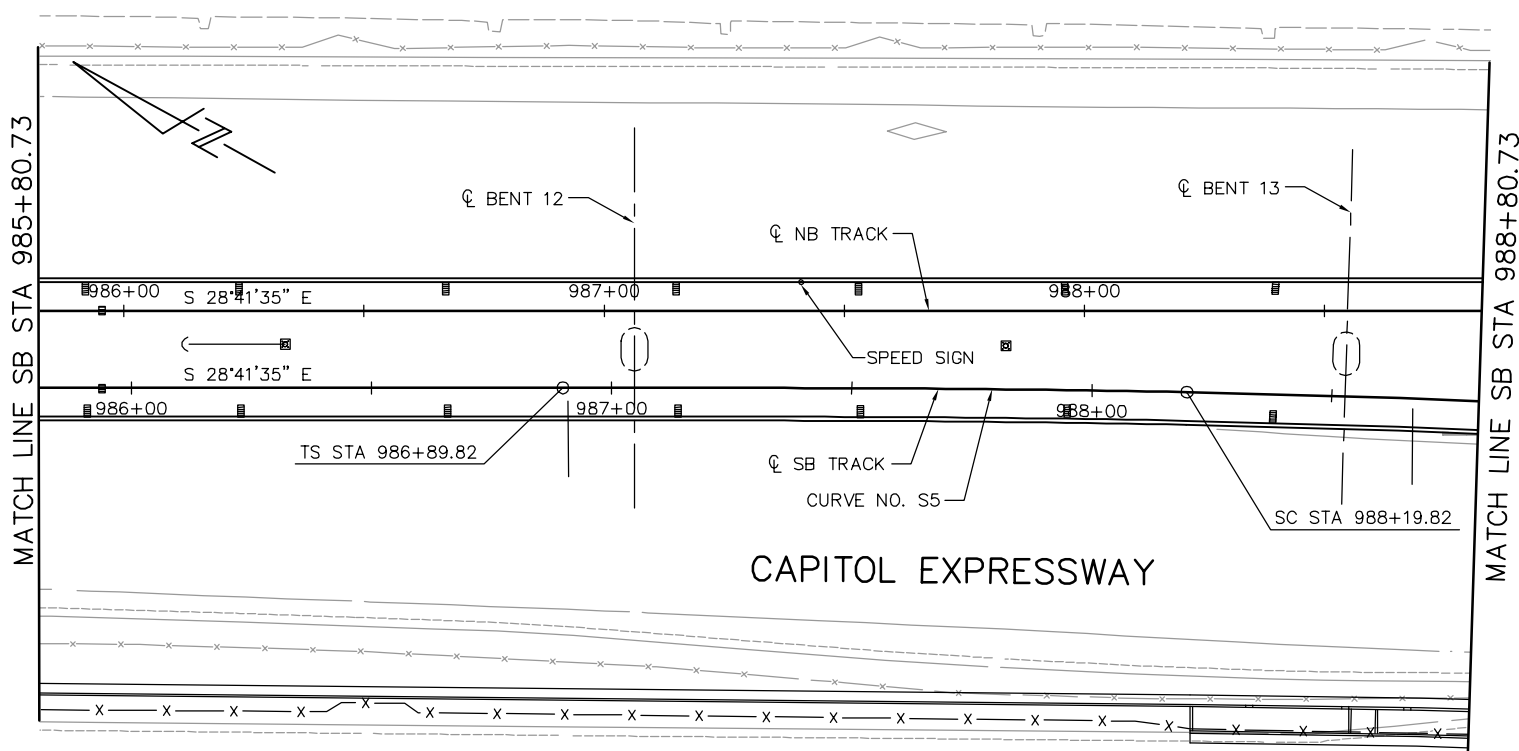
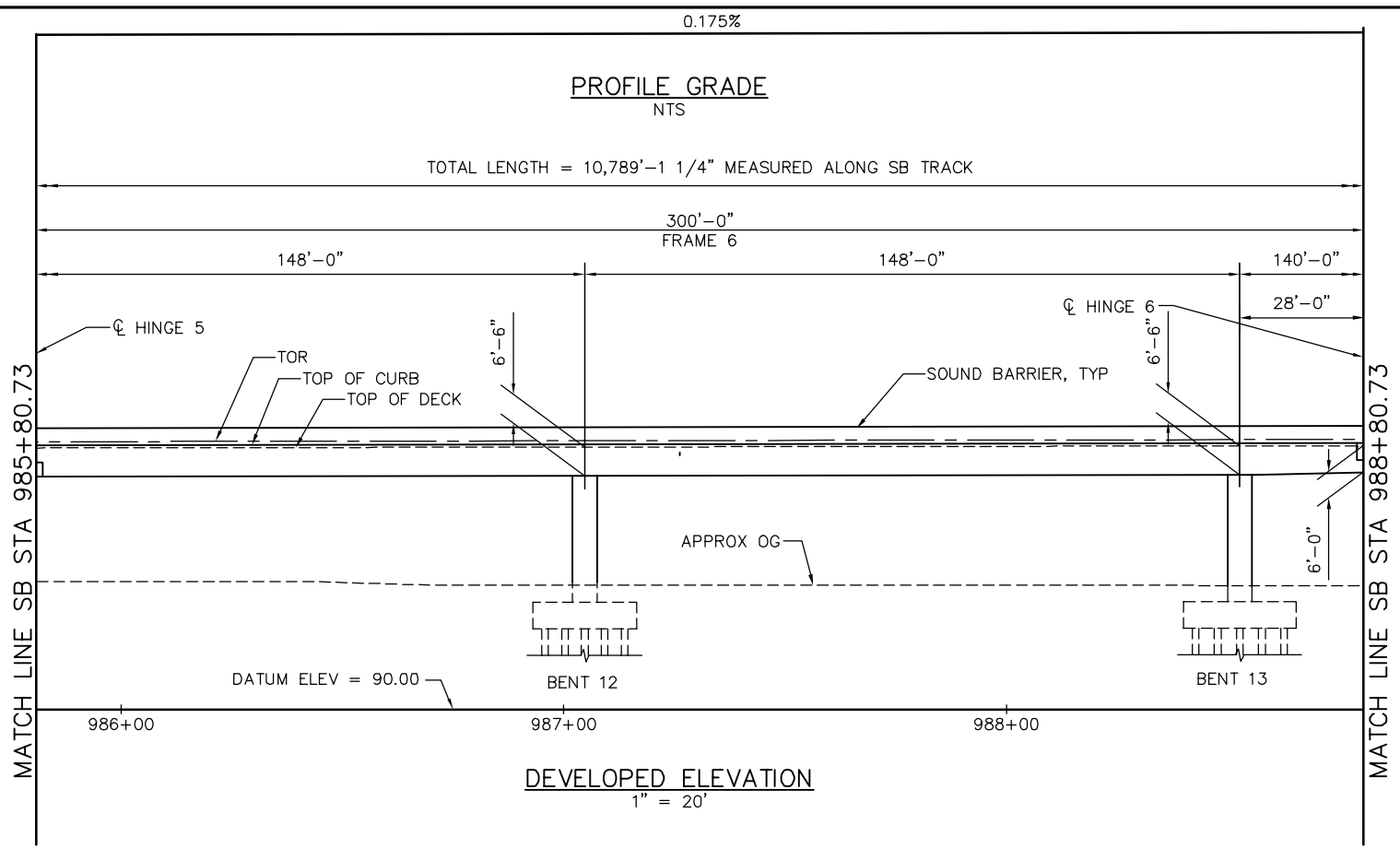
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP311
REVISION	C



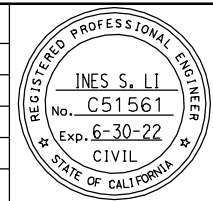
PLAN
1" = 20'

PLAN CHECK SET/NOT FOR CONSTRUCTION

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

SMH Jun 21, 2020 - 8:46am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP312.dwg

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C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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San Jose, California 95128
408-296-5315

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DRAWN: S. HICKEY CADD FILENAME: 801SP312.dwg

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Authority**

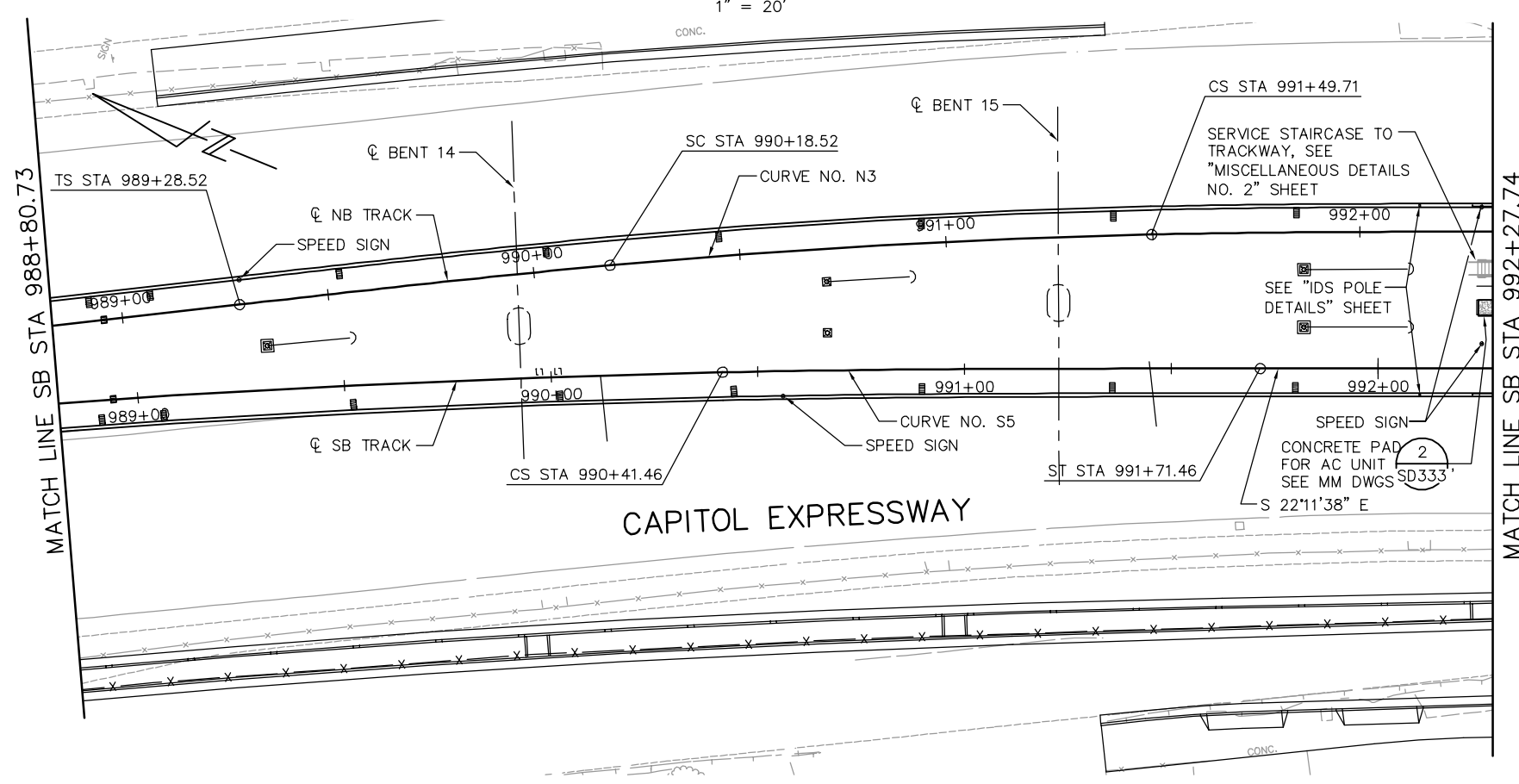
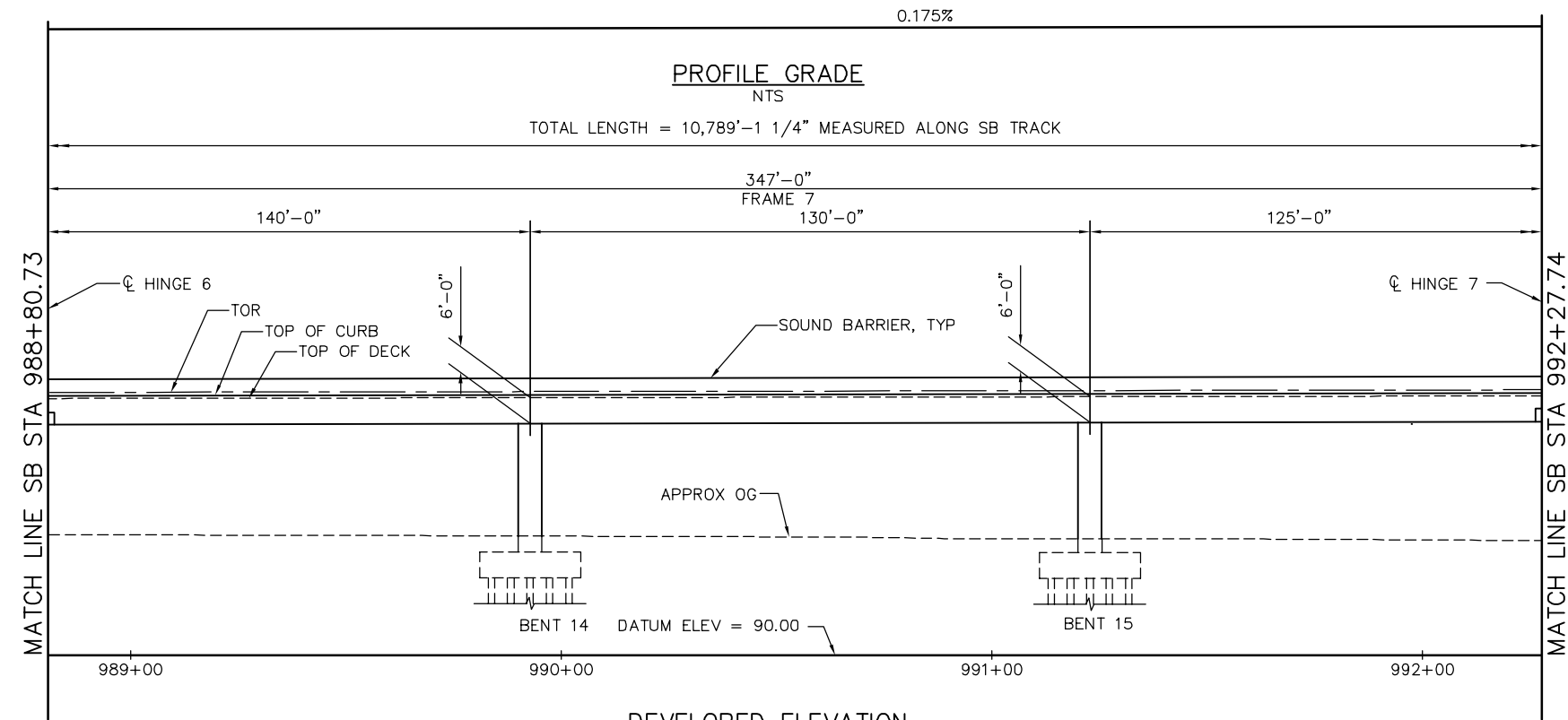
APPROVED

CADD FILE DATE: 05/18/20 SCALE: 1" = 20'
SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 6

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP312
REVISION	C

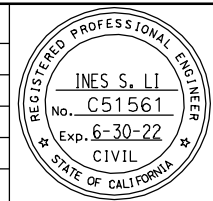


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
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SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:47am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP313.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP313.dwg



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CADD FILE DATE
06/02/20

SCALE
1" = 20'

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

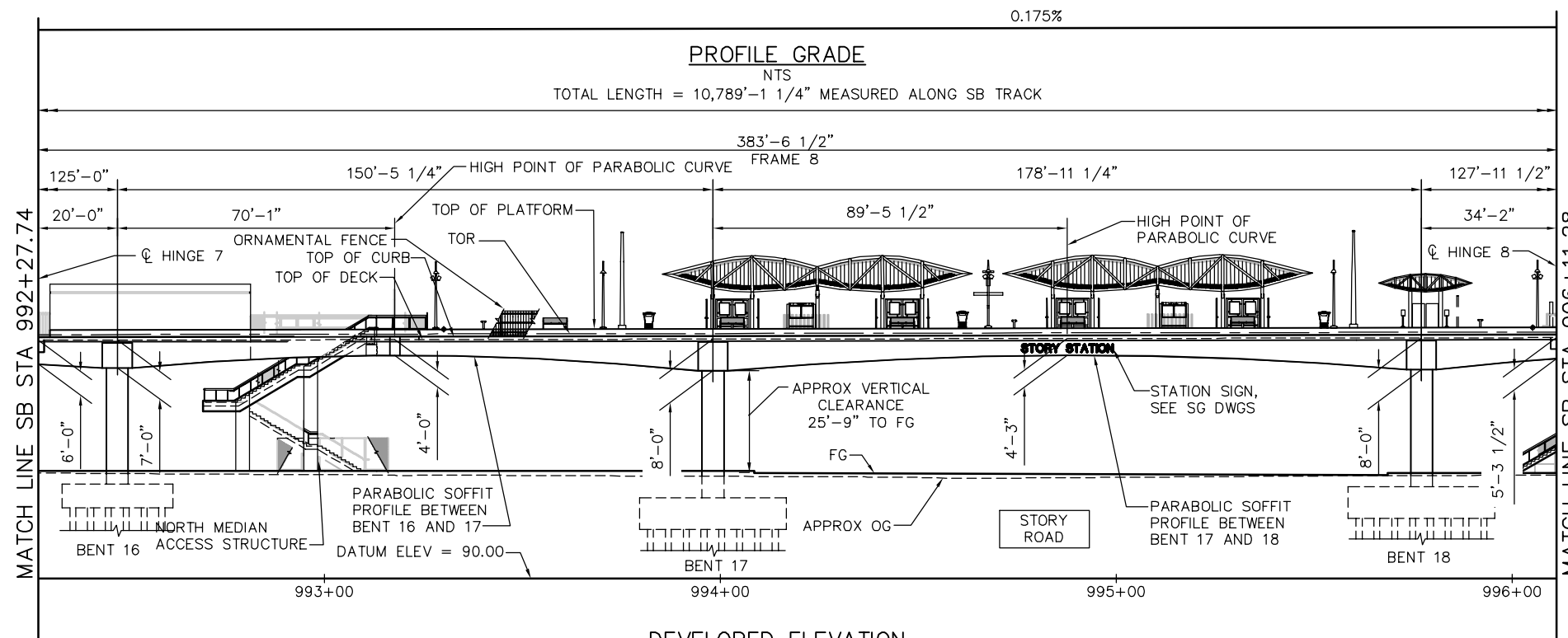
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 7

PCA NO. 000

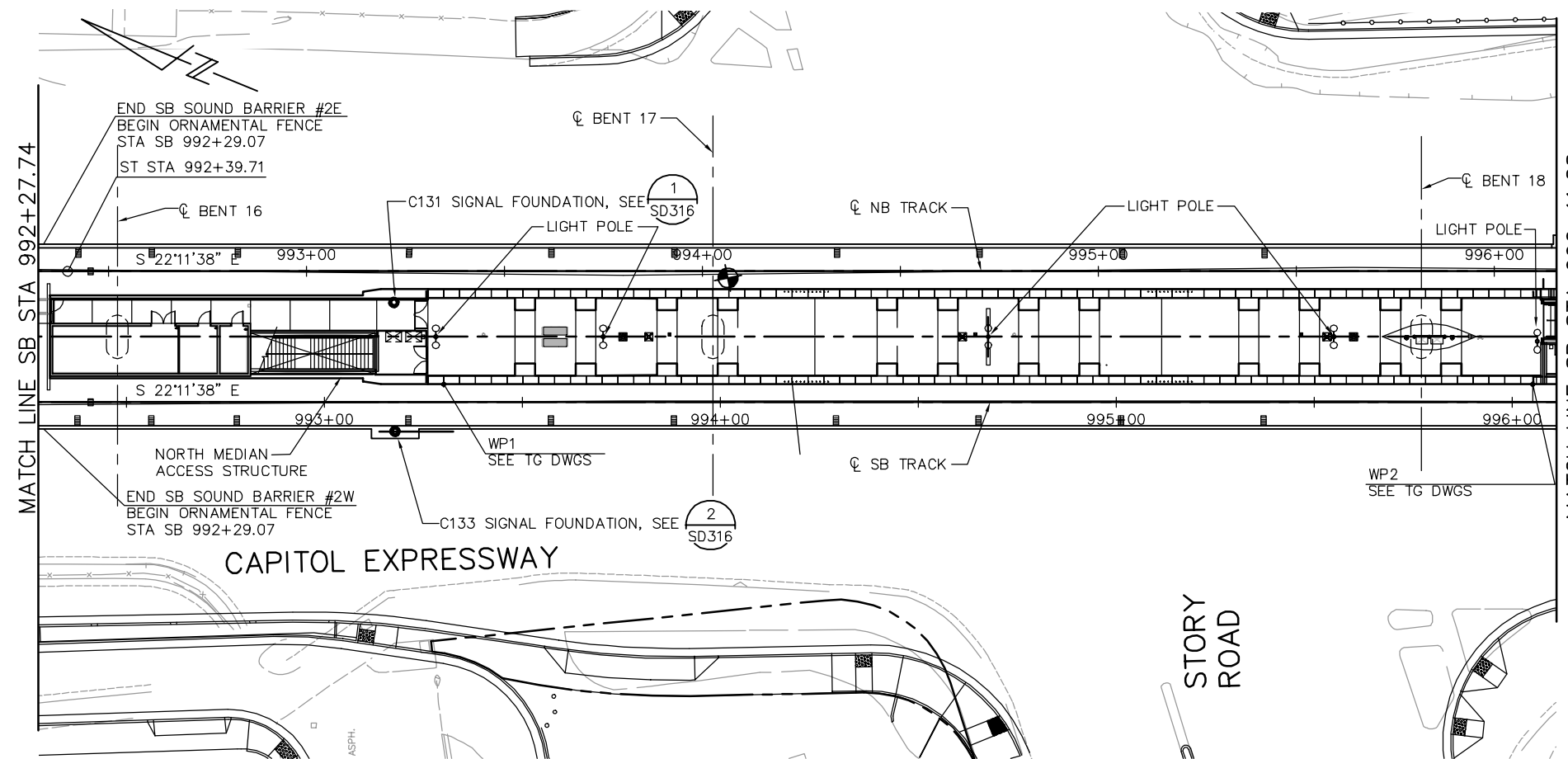
CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF	
DRAWING NO.	SP313
REVISION	C



DEVELOPED ELEVATION
1" = 20'

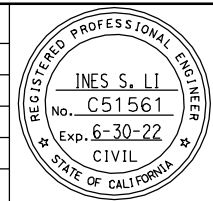


- NOTES:
1. FOR "STRUCTURE PLAN NOTES" AND "LEGEND", SEE "STRUCTURE PLAN-FRAME 1" SHEET.
 2. FOR LIGHT POLE ANCHORAGE, SEE "MISCELLANEOUS DETAILS NO. 1" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:46am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP314.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP314.dwg

Santa Clara Valley
Transportation
Authority

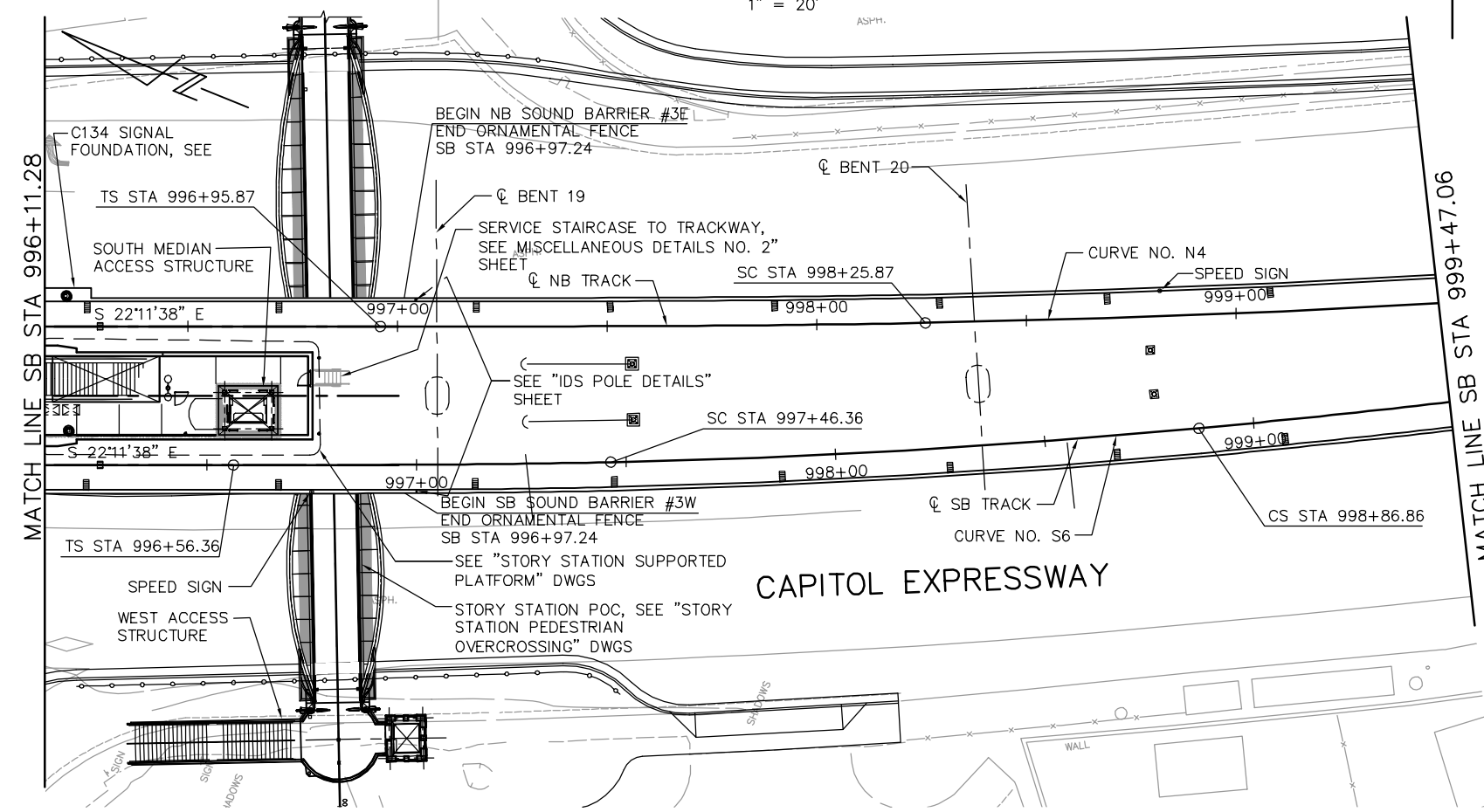
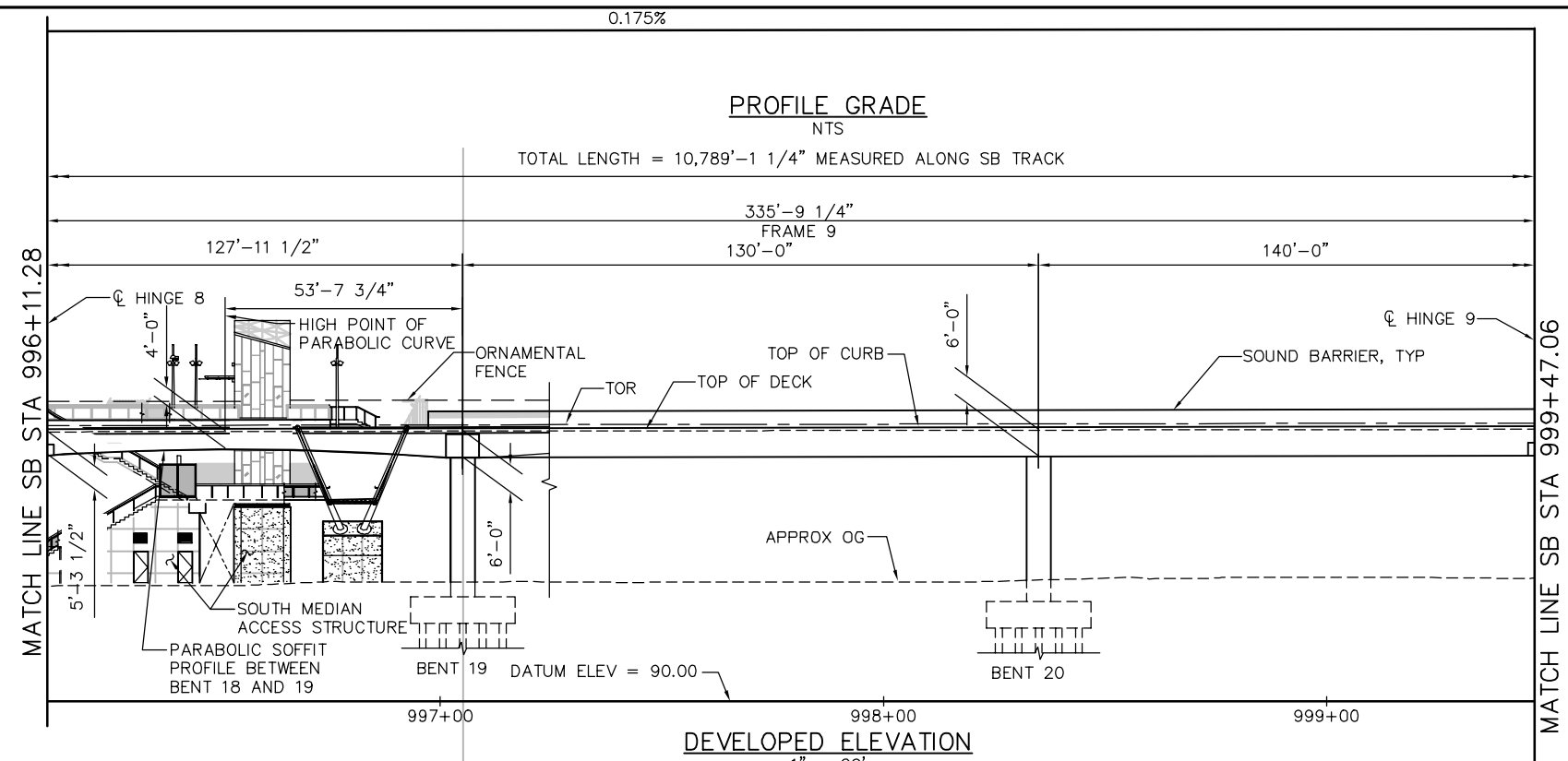
APPROVED

CADD FILE DATE: 06/02/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 8

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP314
REVISION	C

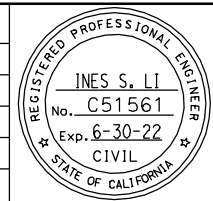


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:49am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP315.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP315.dwg

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APPROVED

CADD FILE DATE
06/02/20

SCALE
1" = 20'

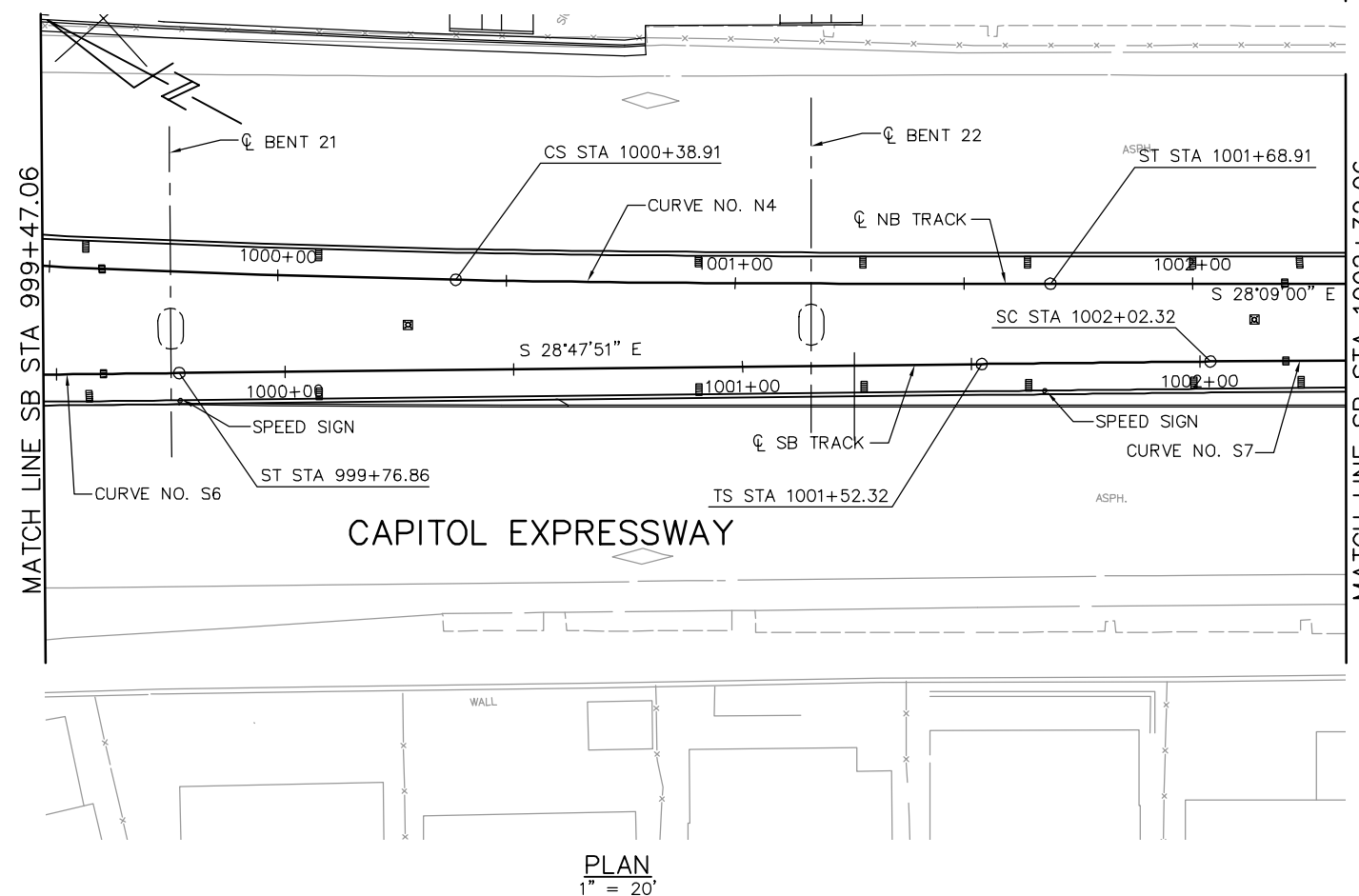
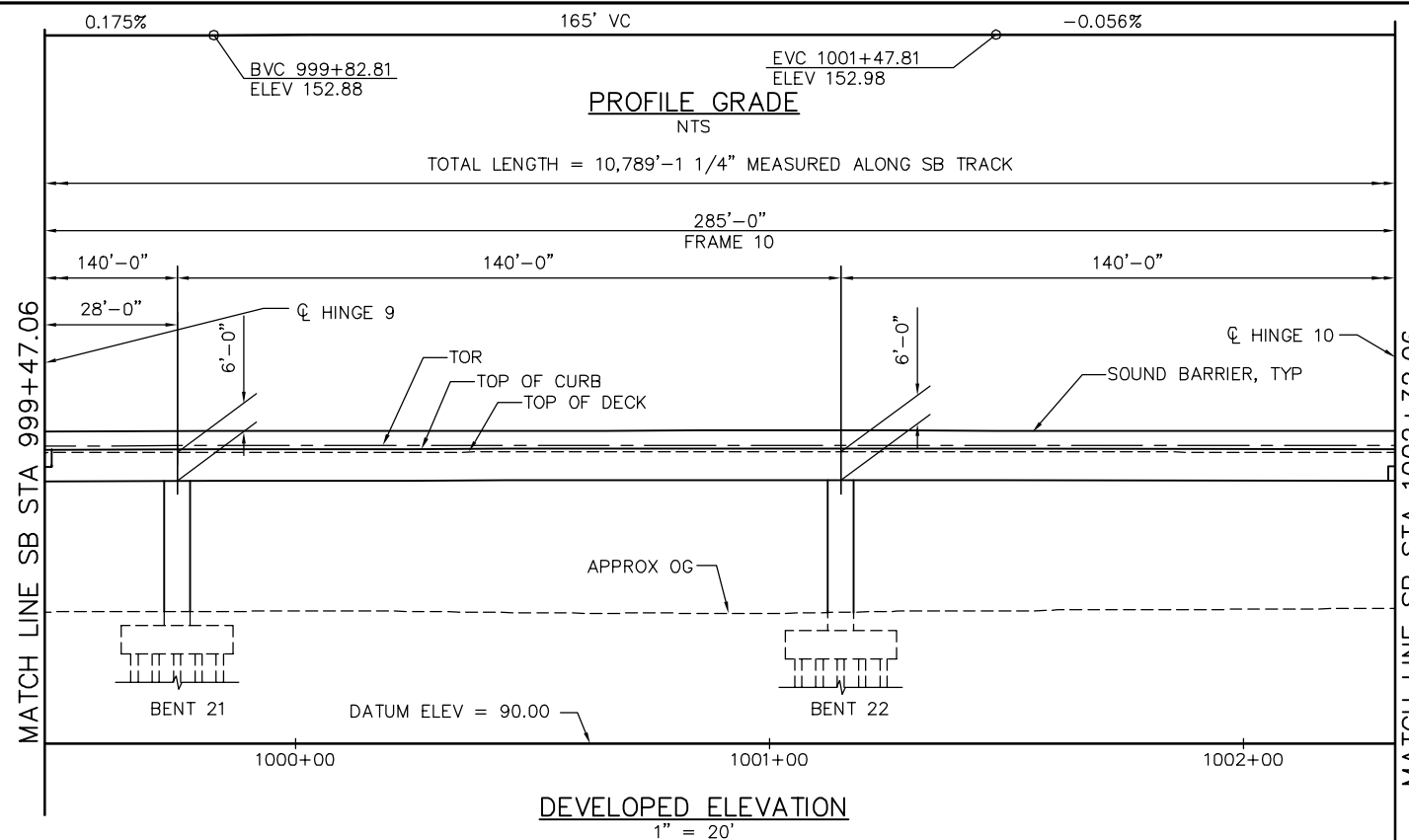
SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 9

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SP315 REVISION C

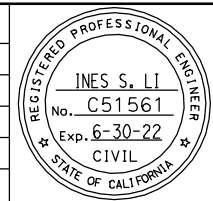


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:49am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP316.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP316.dwg

Santa Clara Valley Transportation Authority

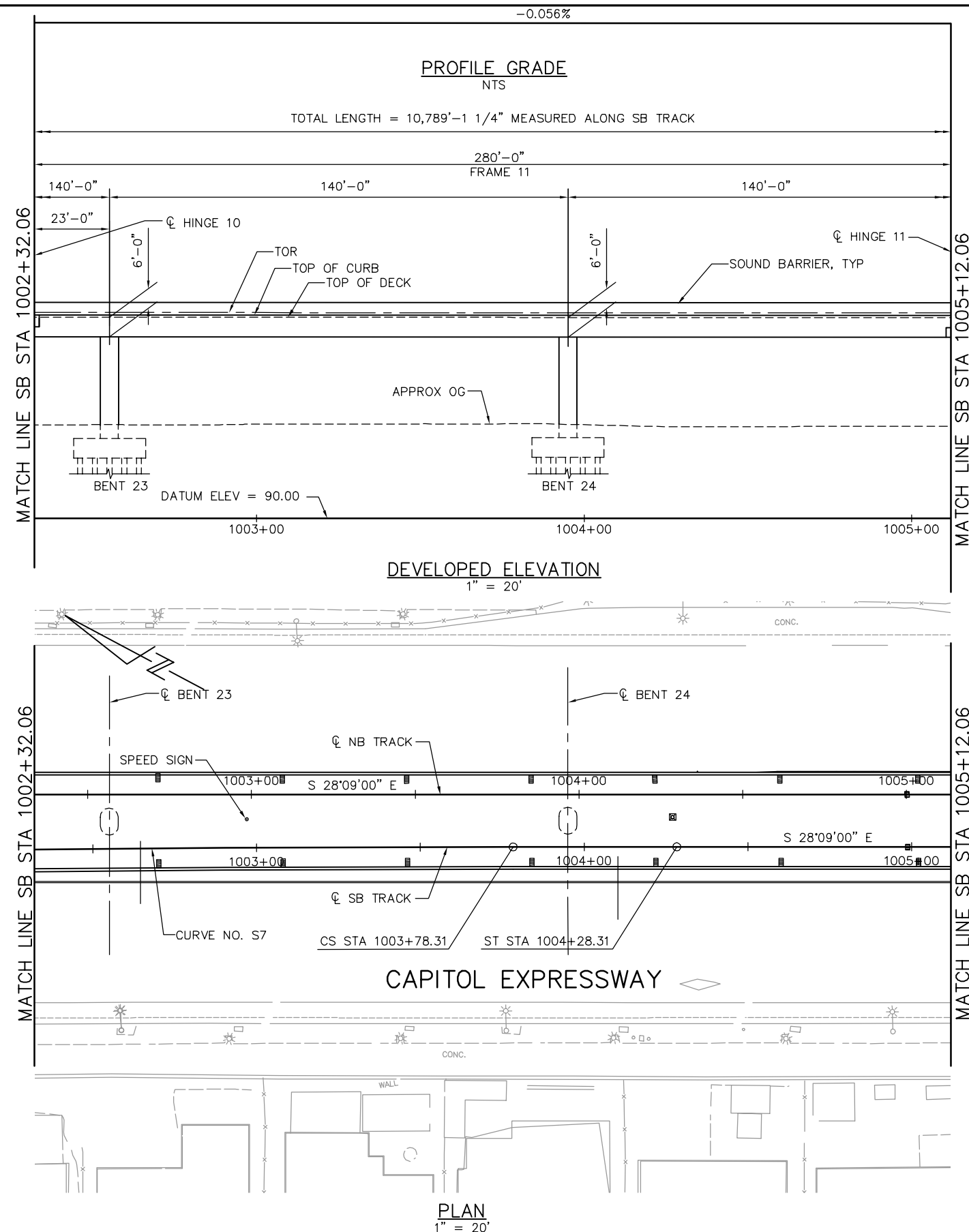
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 10

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP316
REVISION	C

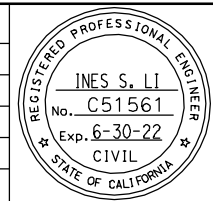


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:50am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP317.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
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DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP317.dwg

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Transportation
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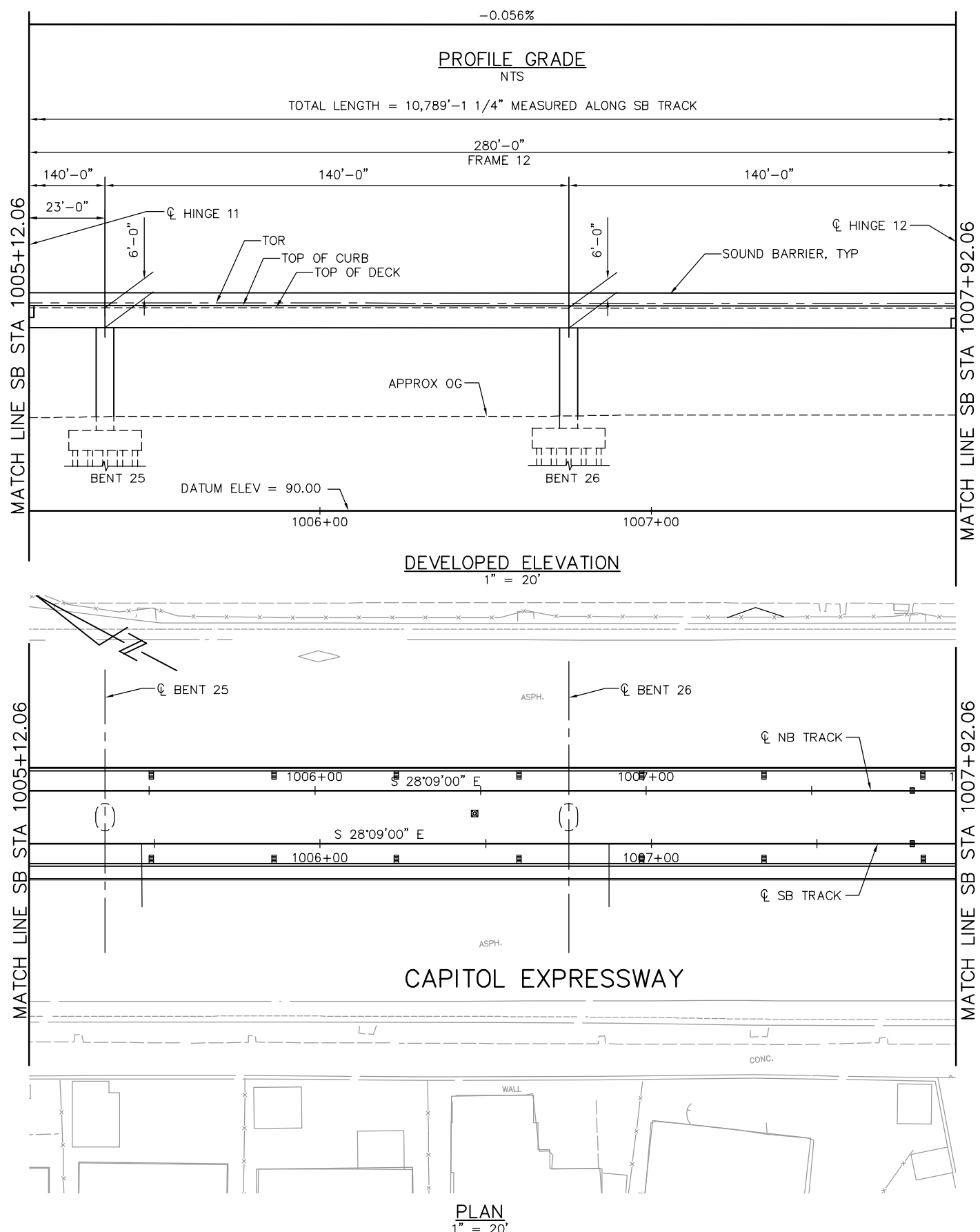
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 11

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP317 REVISION C

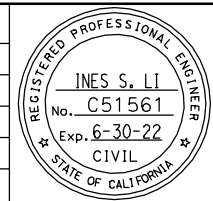


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:51am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP318.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP318.dwg

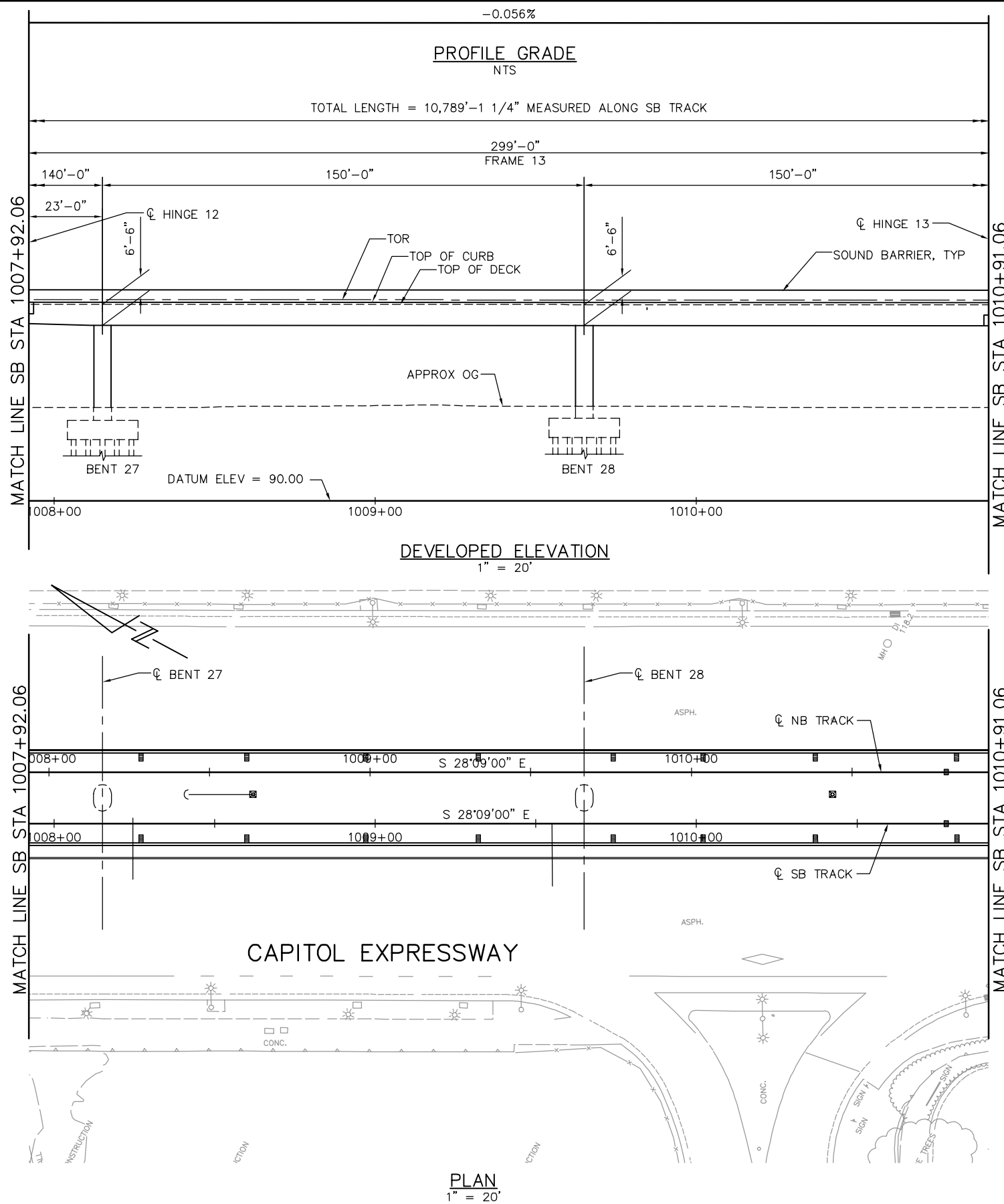
Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY STRUCTURE PLAN - FRAME 12			SHEET OF DRAWING NO. SP318 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



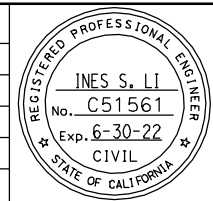
PLAN
1" = 20'

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:52am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP319.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP319.dwg

Santa Clara Valley
Transportation
Authority

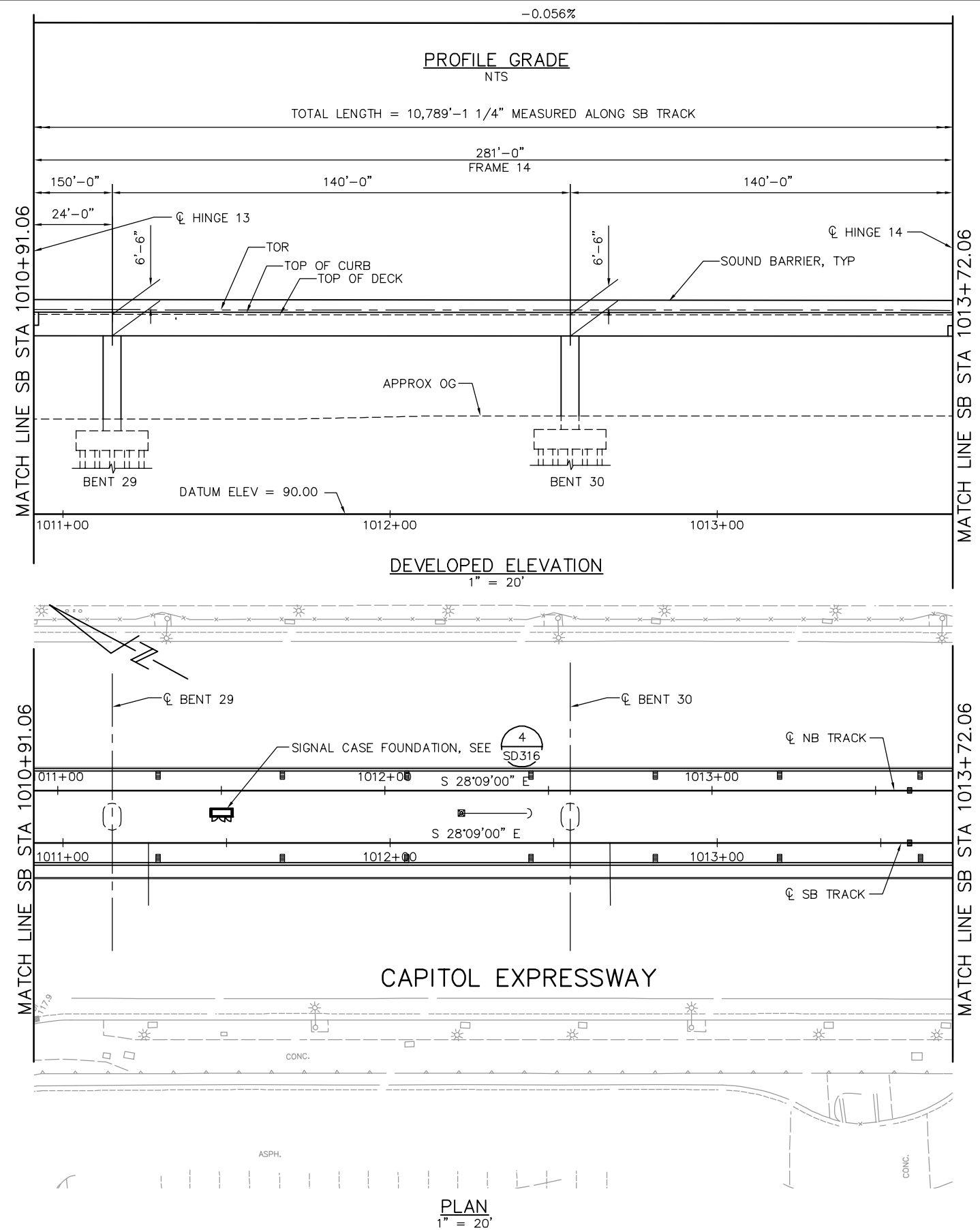
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 13

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP319
REVISION	C



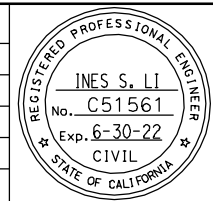
PLAN
1" = 20'

PLAN CHECK SET/NOT FOR CONSTRUCTION

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

SMH Jun 21, 2020 - 8:55am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP320.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP320.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

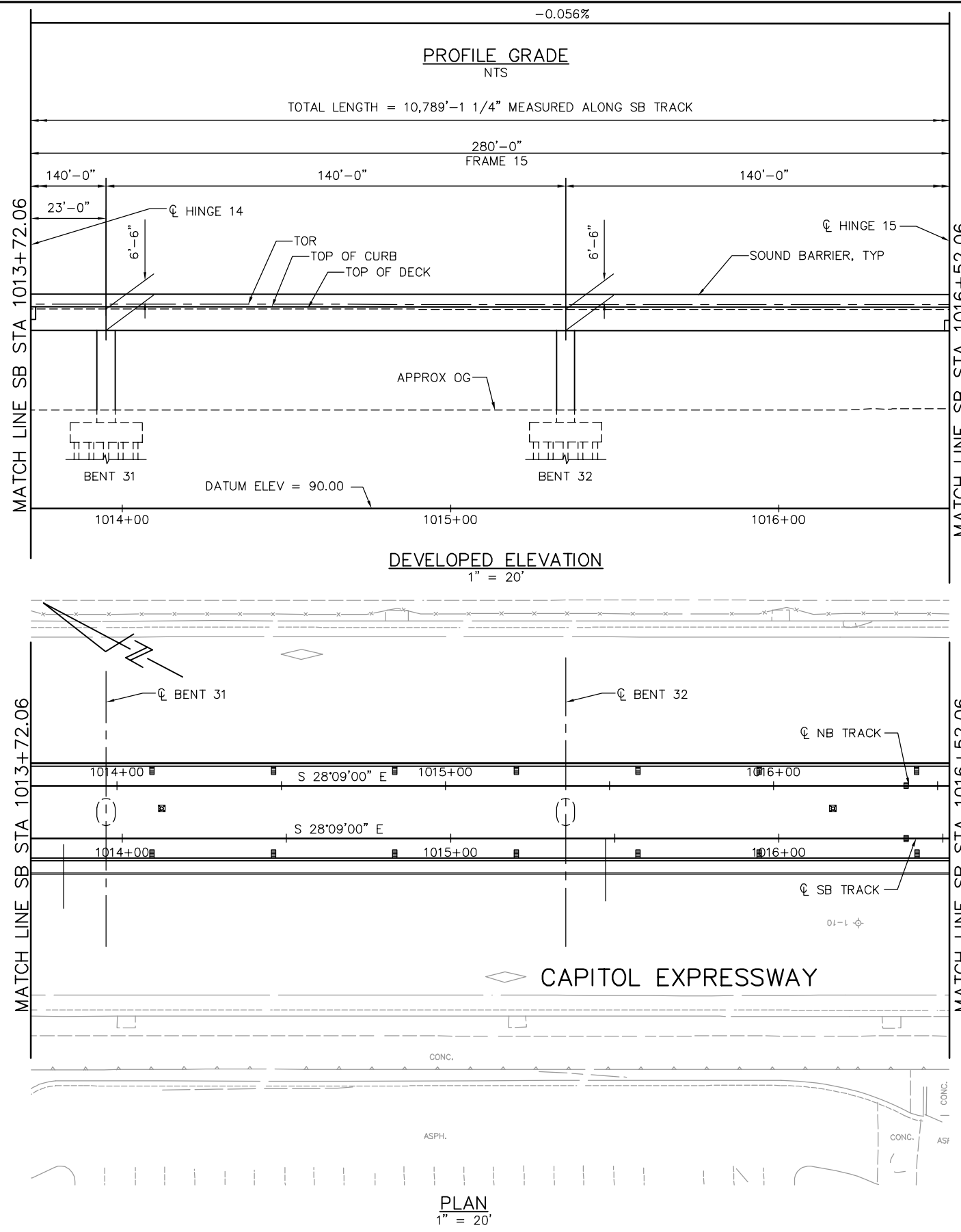
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 14

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP320 REVISION C



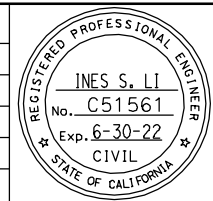
PLAN
1" = 20'

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:54am W:\2017\103\CAPITOL_AERIAL_GUIDEWAY\801SP321.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP321.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

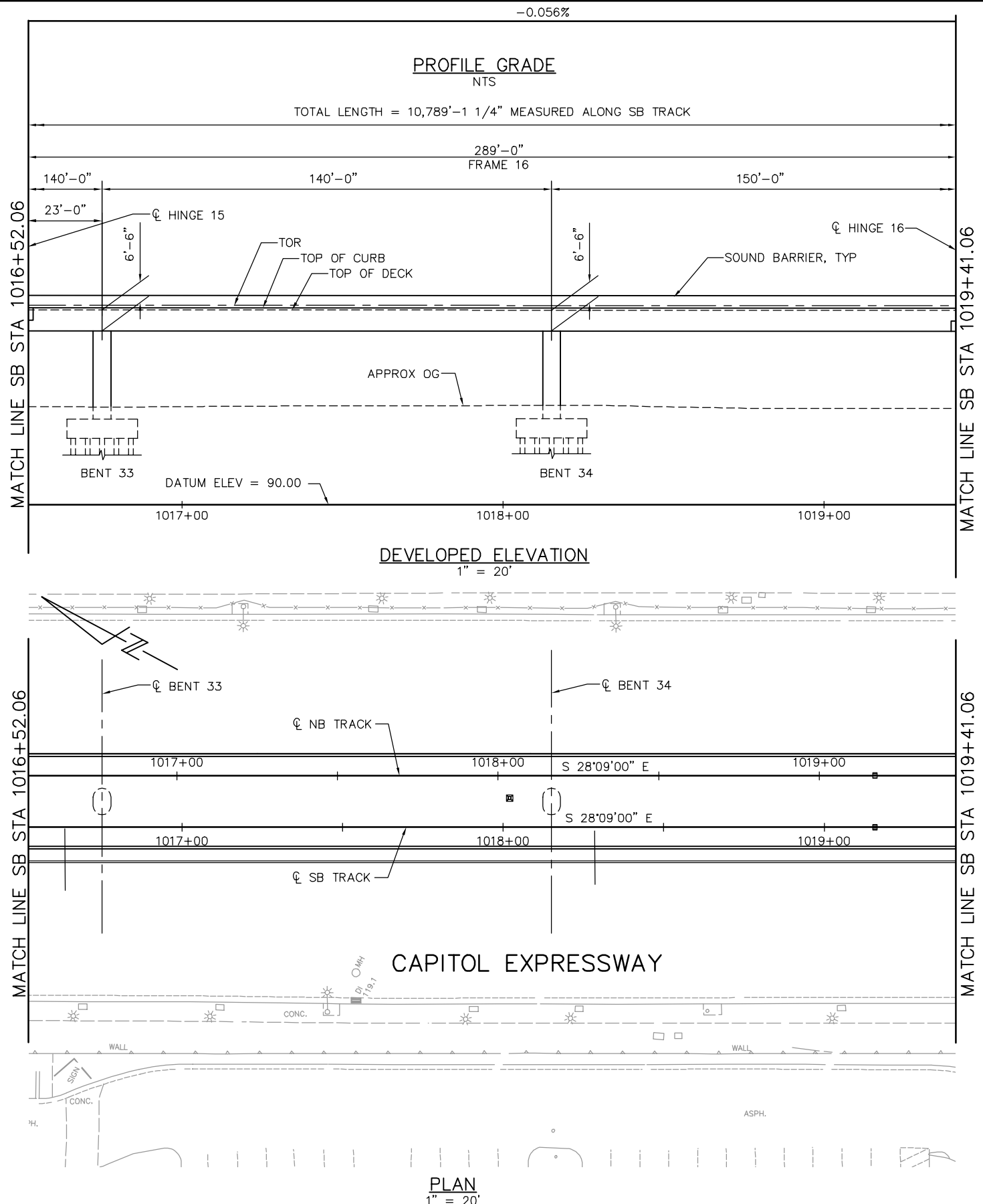
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 15

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP321 REVISION C



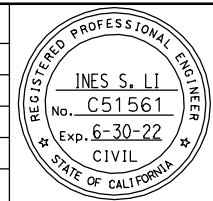
PLAN
1" = 20'

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:55am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP322.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP322.dwg

Santa Clara Valley
Transportation
Authority

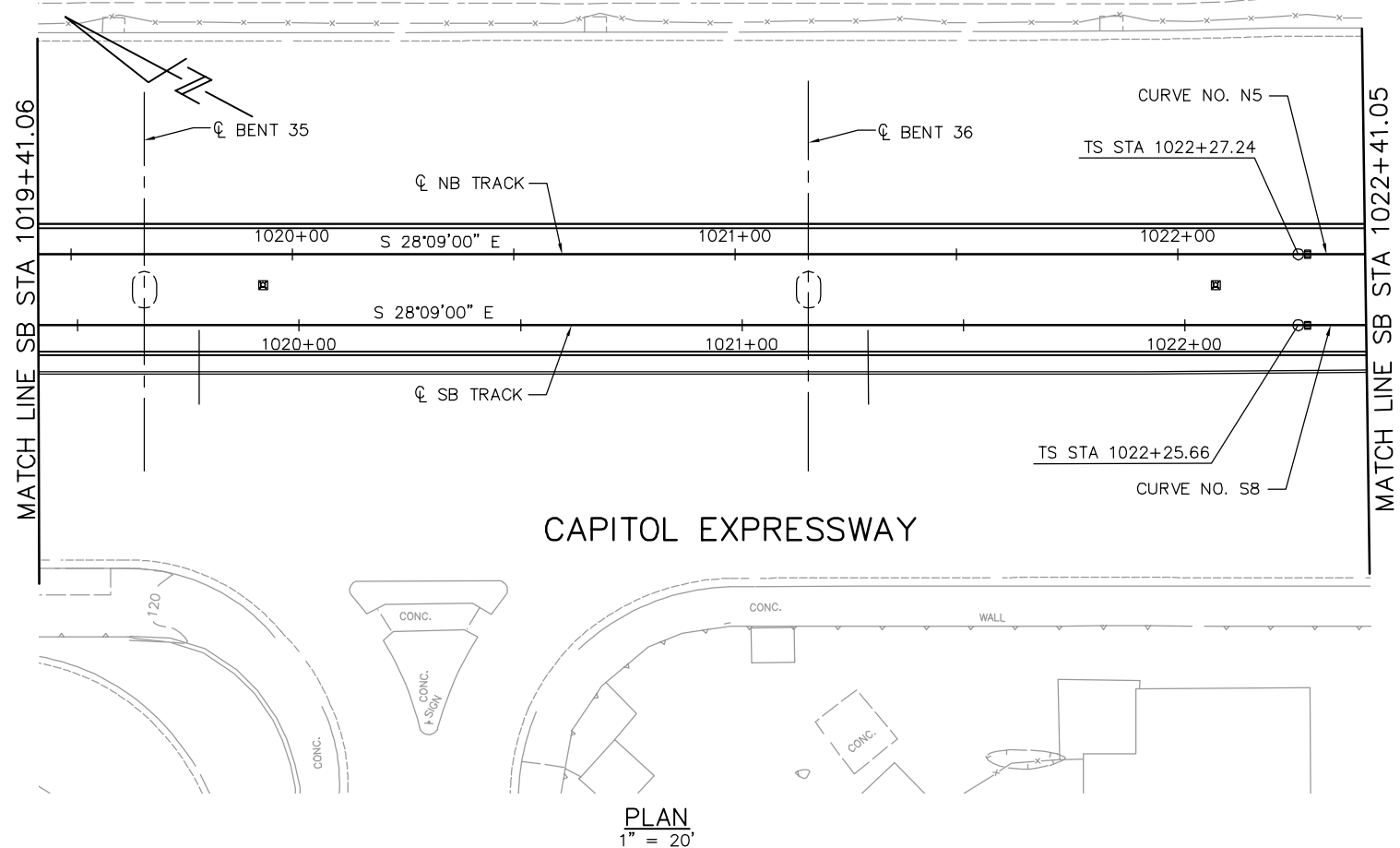
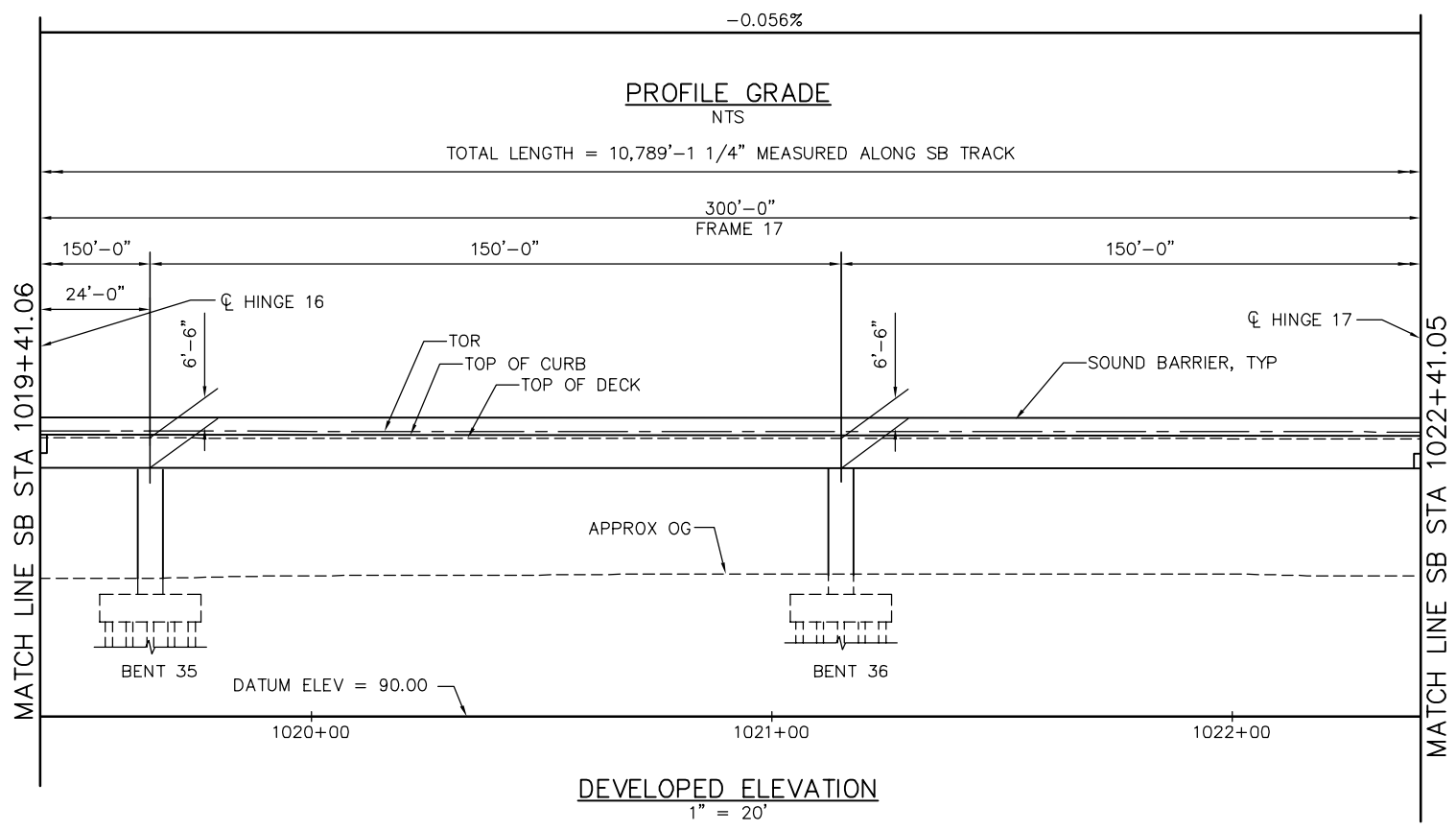
APPROVED

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SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 16

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP322 REVISION C

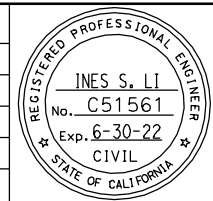


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:55am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP323.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP323.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

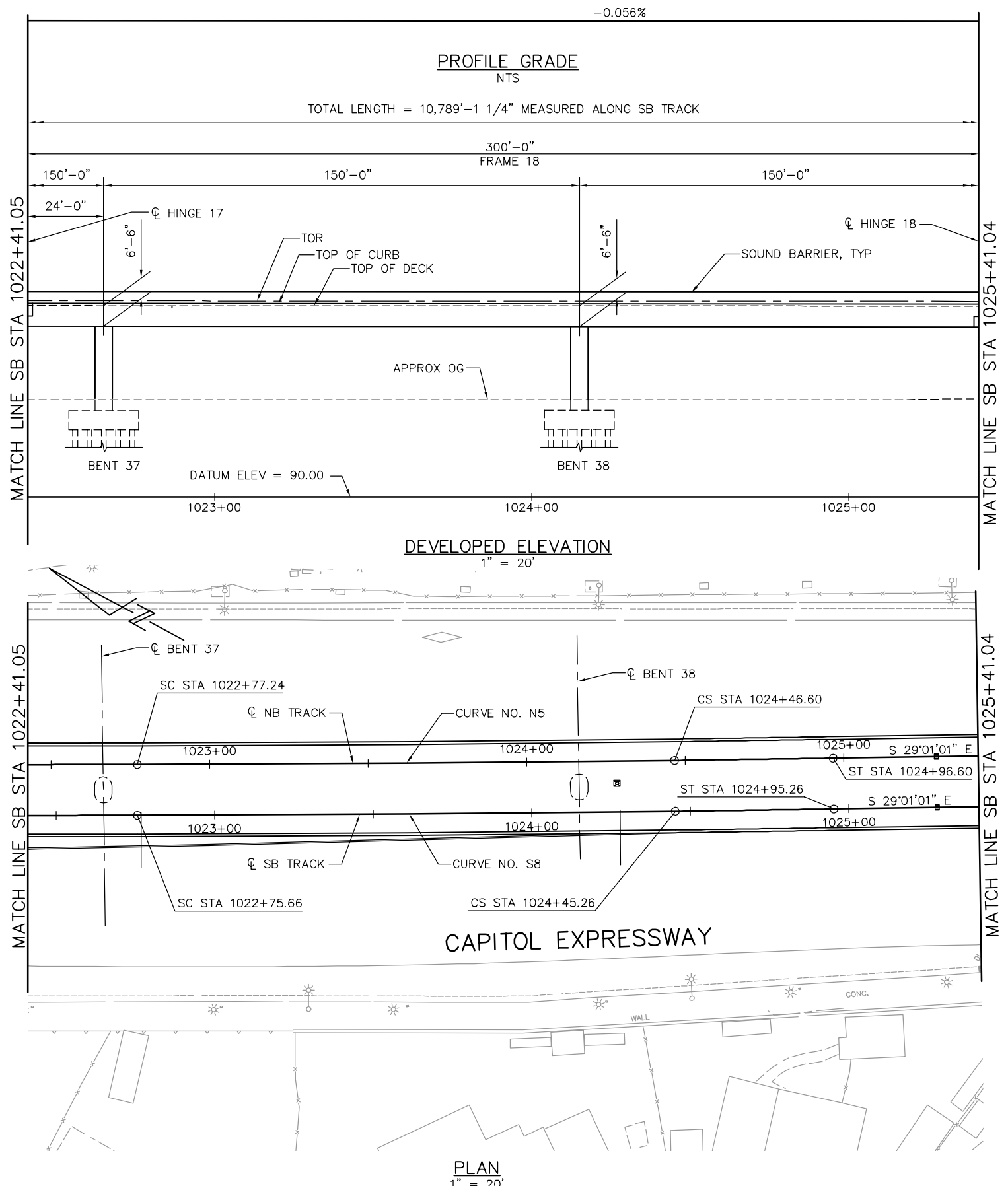
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 17

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP323 REVISION C



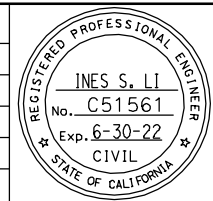
PLAN
1" = 20'

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:56am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP324.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP324.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
1" = 20'

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

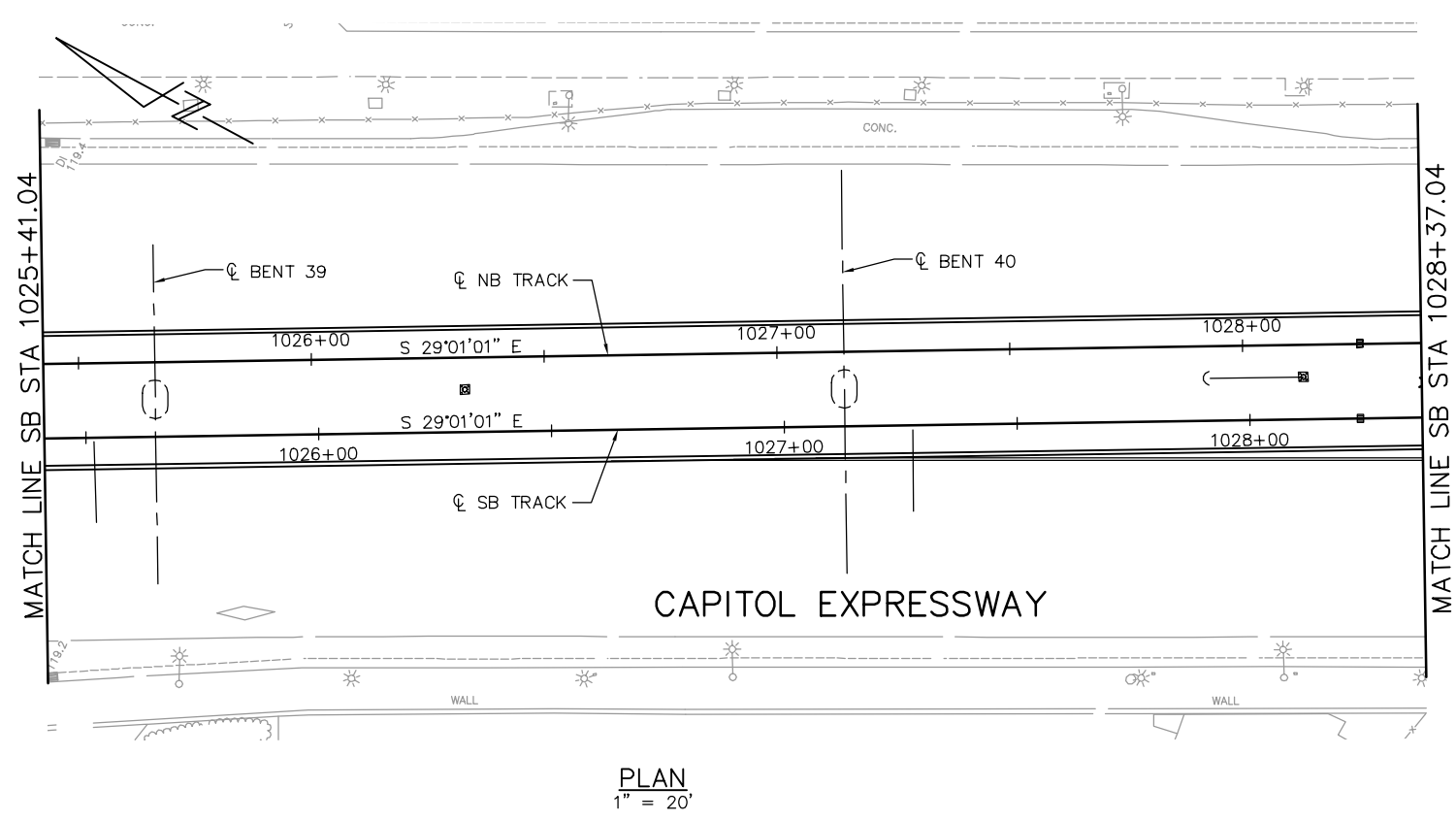
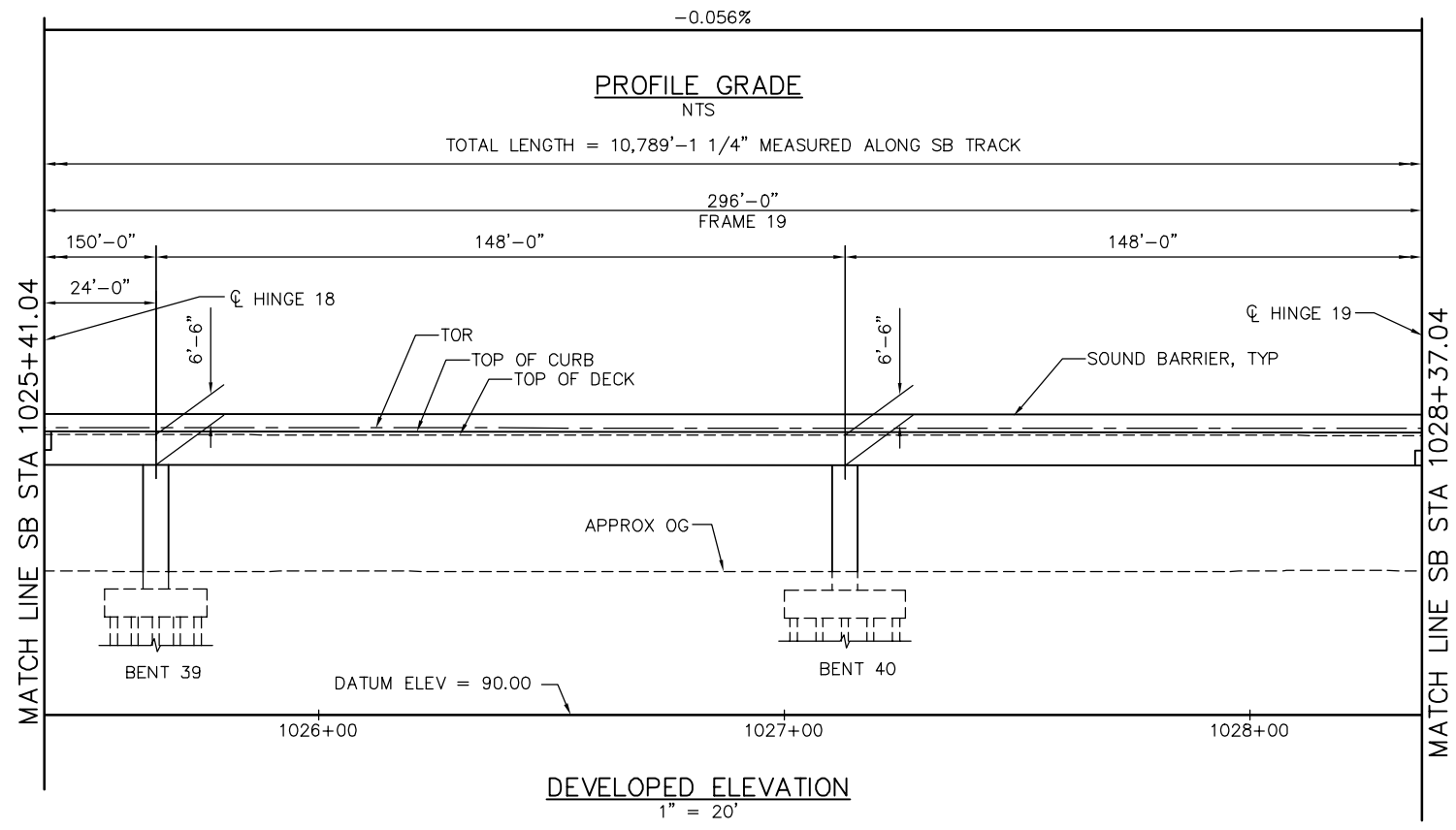
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 18

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF	DRAWING NO.
	SP324
REVISION	C

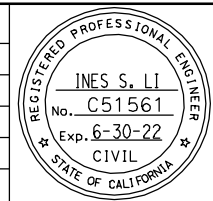


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:57am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP325.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: **D. CHAN**
DRAWN: **S. HICKEY**

CHECKED: **D. DEVLIN**
CADD FILENAME: **801SP325.dwg**

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

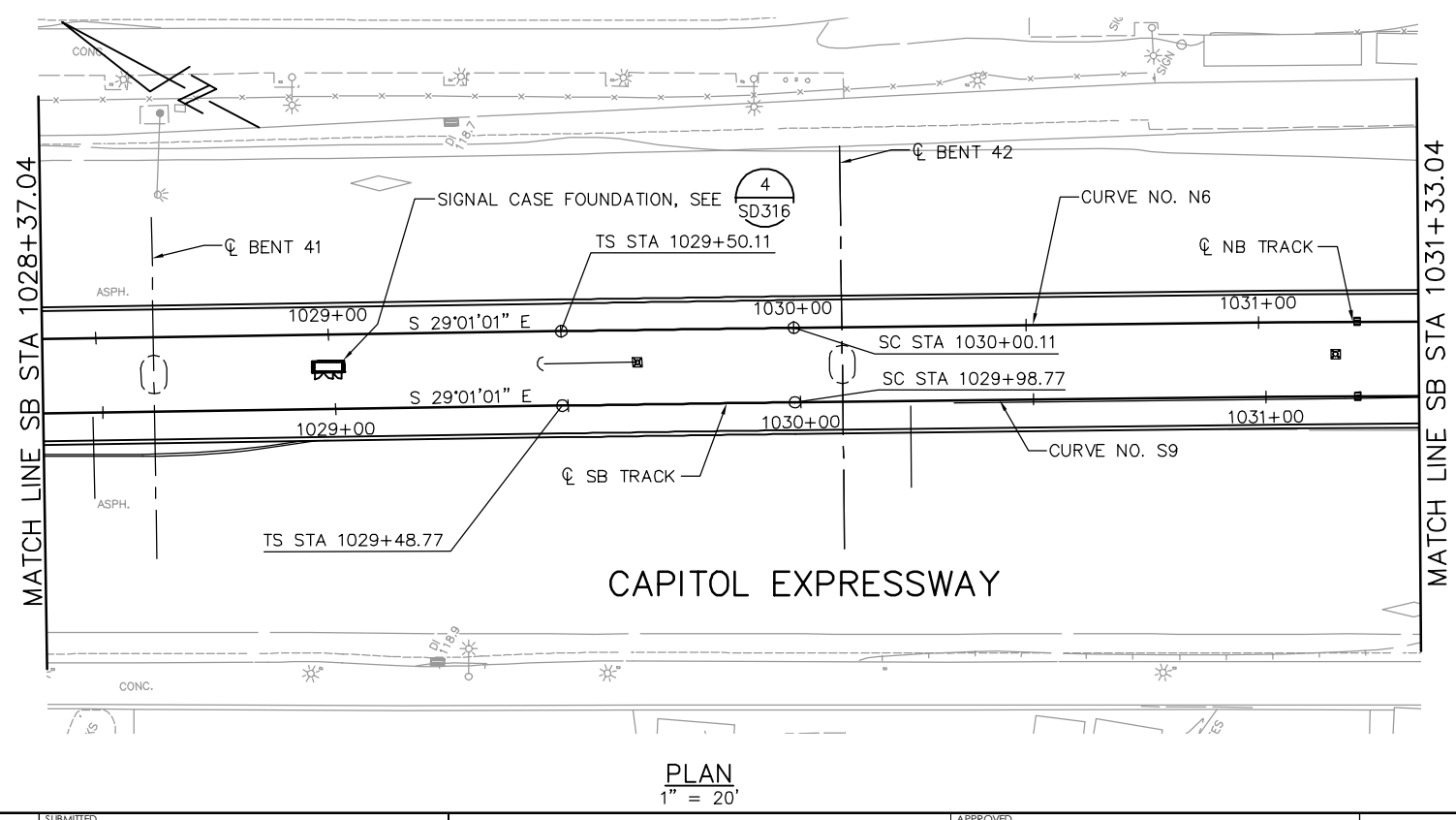
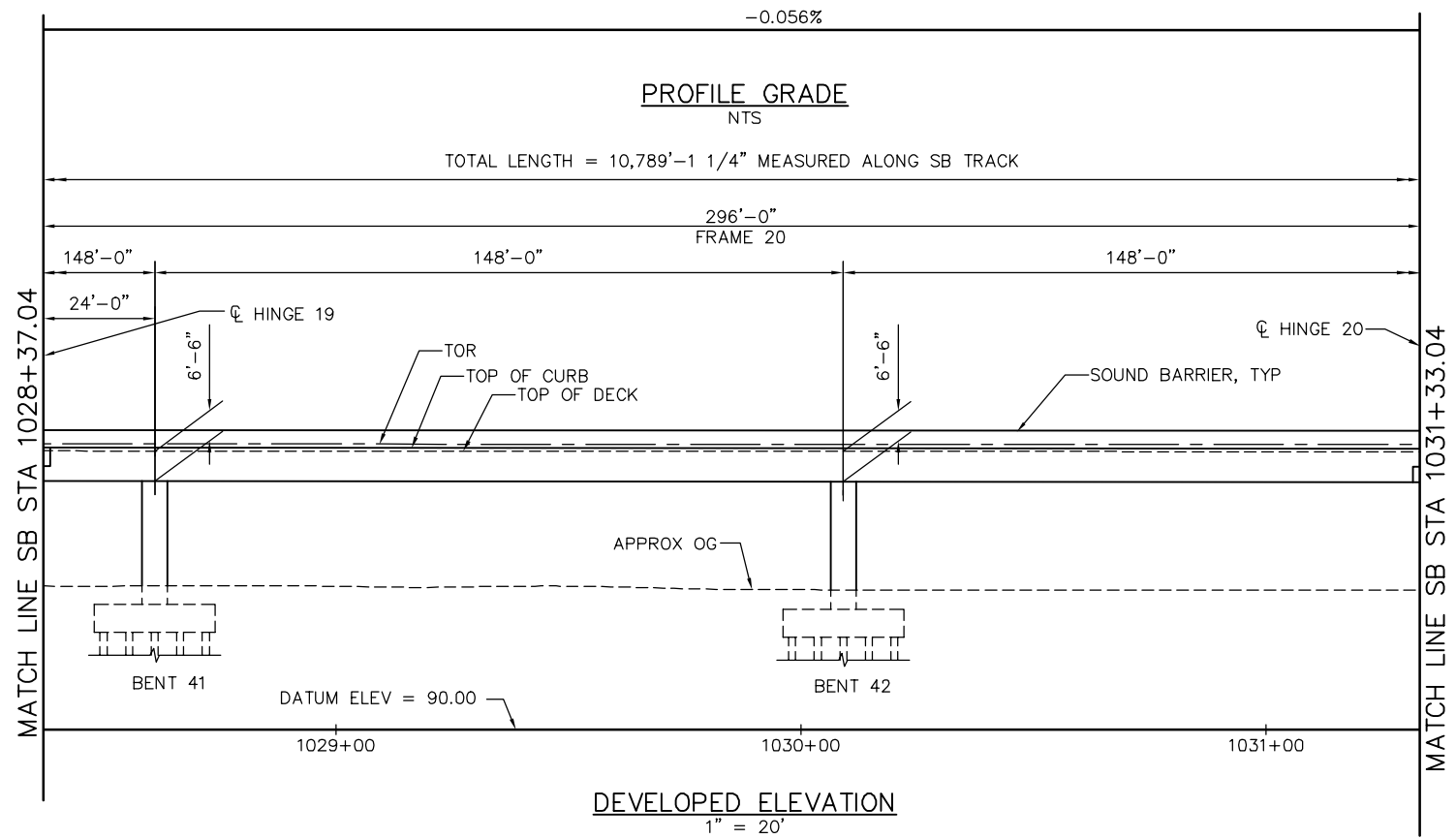
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SUBMITTAL DATE: **06/29/20**

SCALE: **1" = 20'**
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 19

PCA NO. **000** CONTRACT NO. **C801** FILE LOCATION: **PROJECTWISE**

SHEET	OF
DRAWING NO. SP325	
REVISION C	

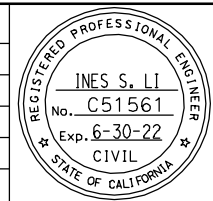


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:56am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP326.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP326.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

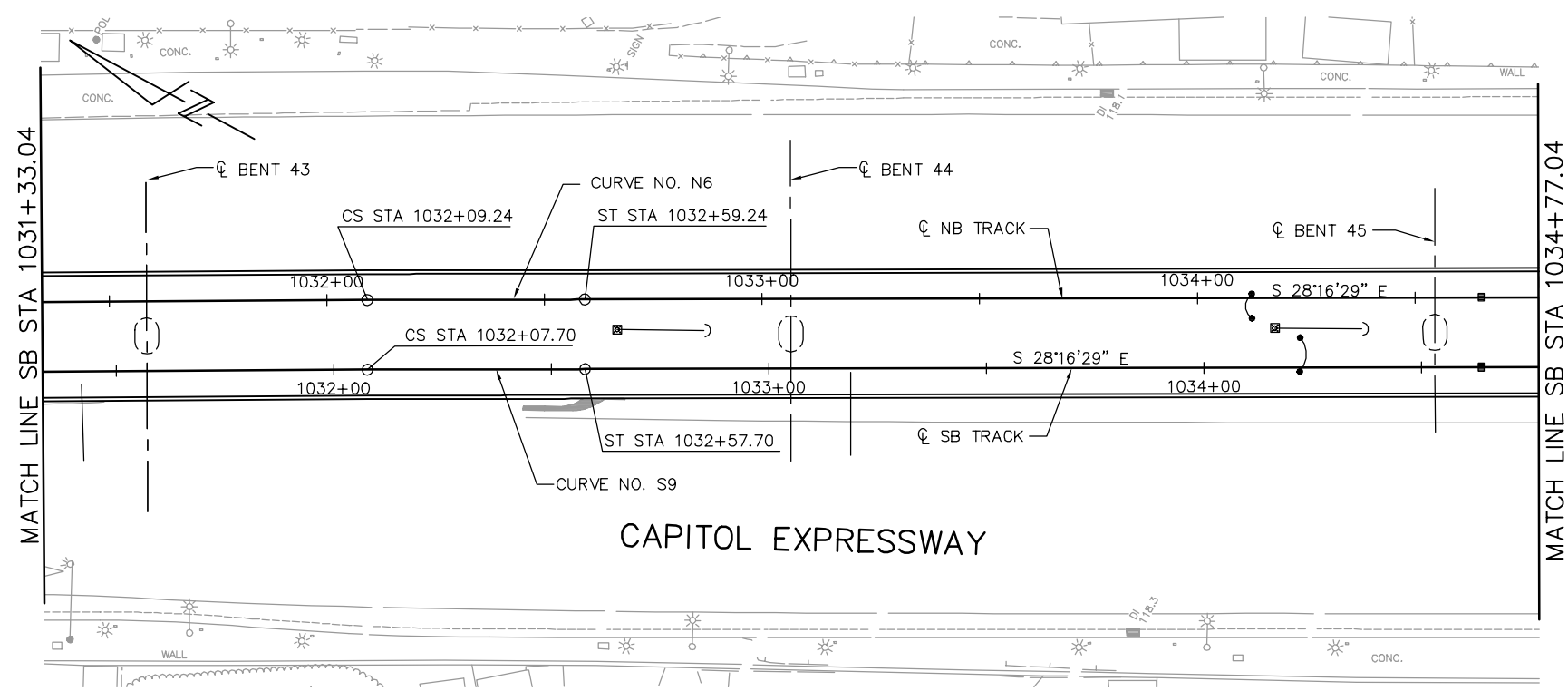
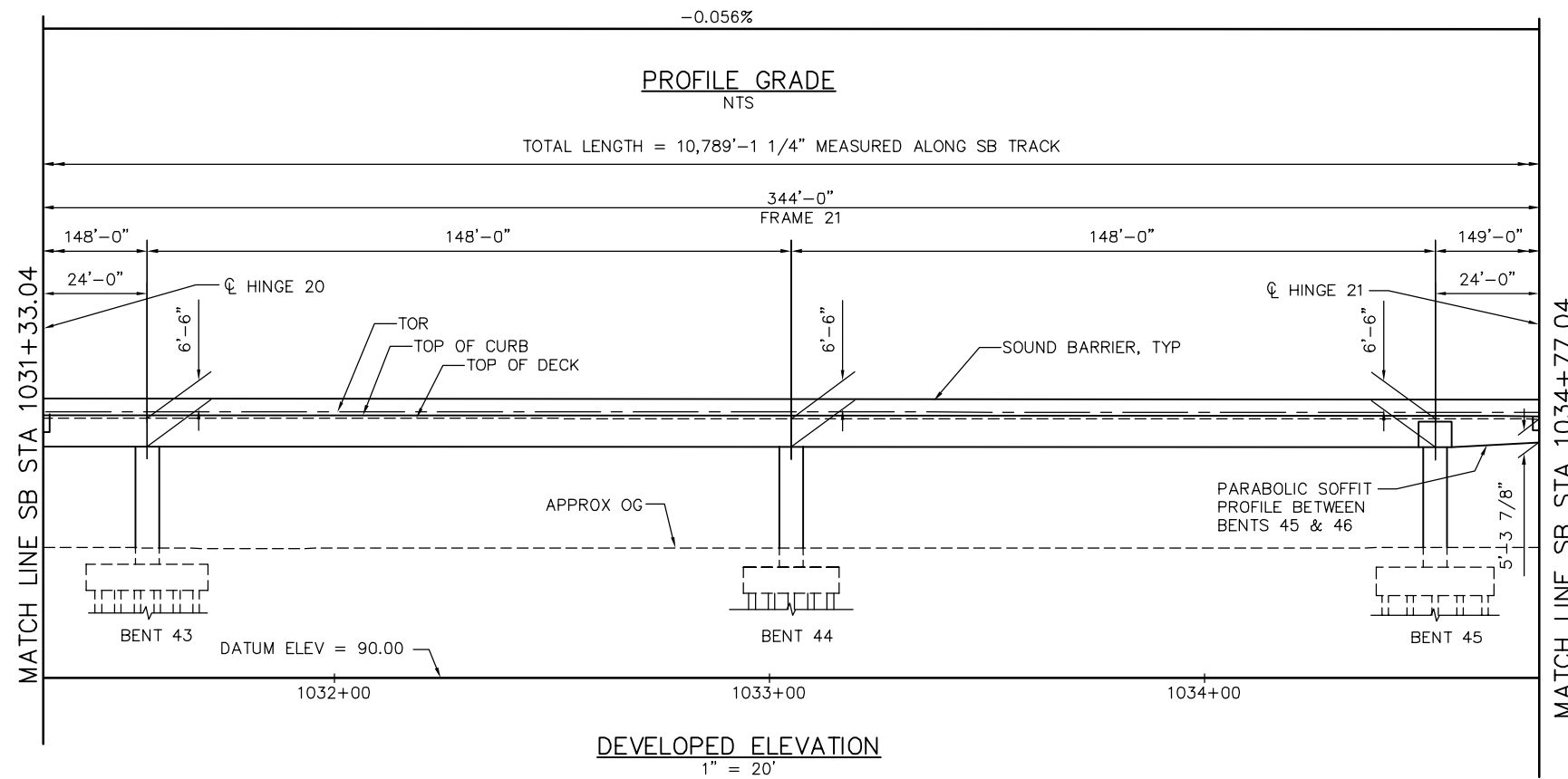
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 20

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP326 REVISION C



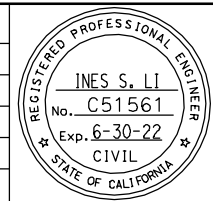
PLAN
1" = 20'

PLAN CHECK SET/NOT FOR CONSTRUCTION

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

SMH Jun 21, 2020 - 8:59am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP327.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP327.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

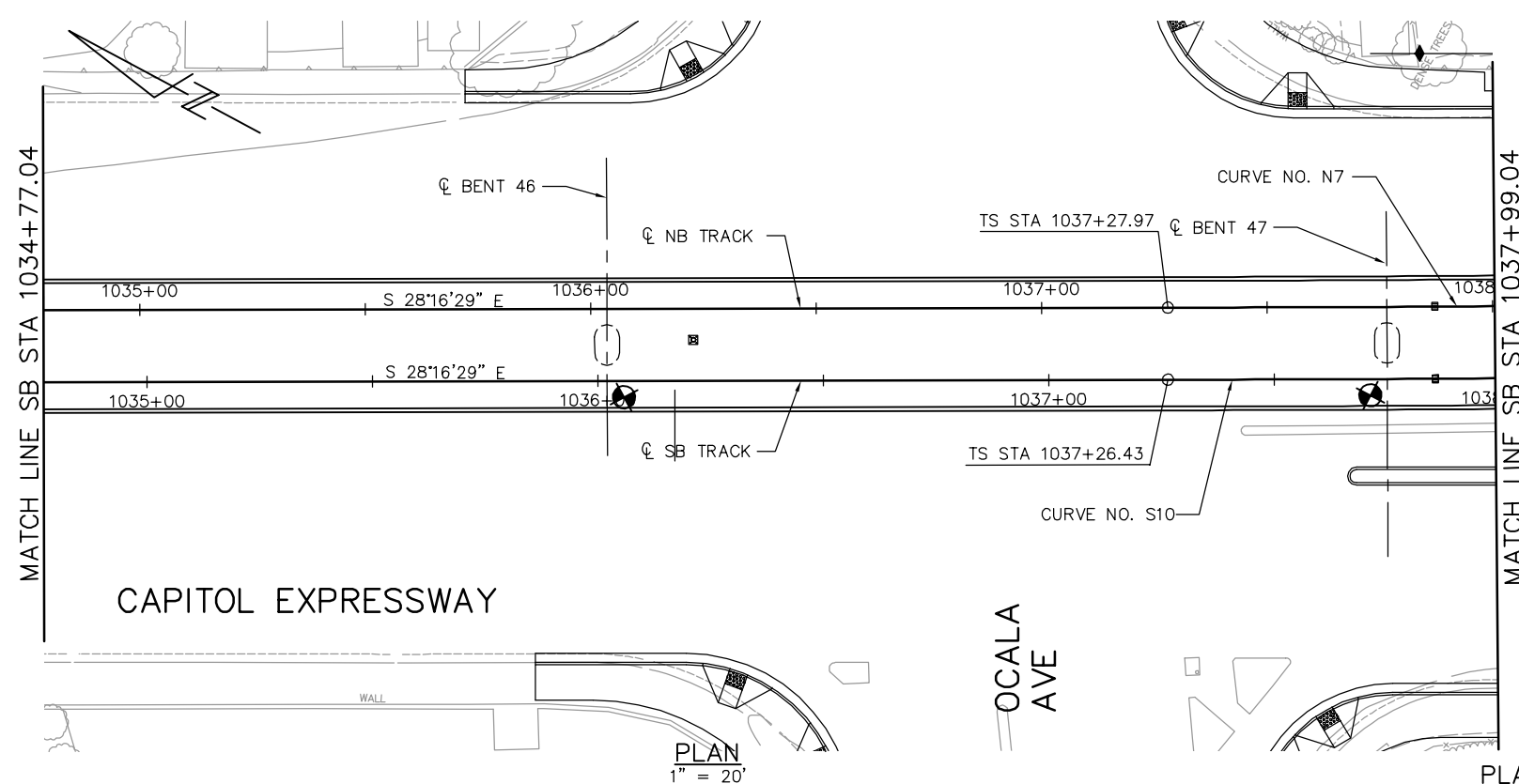
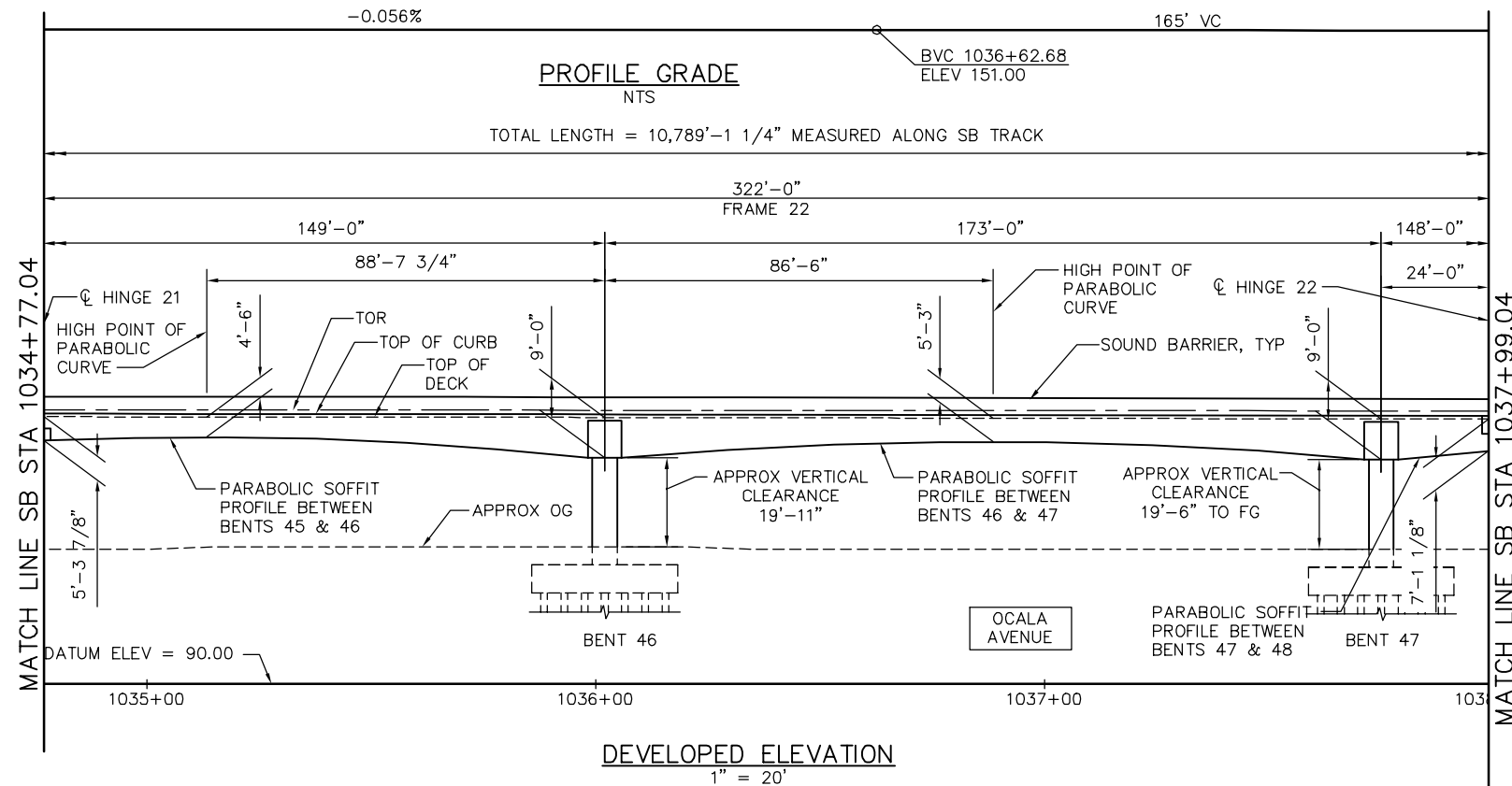
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 21

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP327 REVISION C

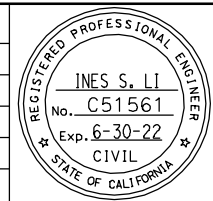


NOTE:
FOR "STRUCTURE PLAN NOTES" AND "LEGEND", SEE "STRUCTURE PLAN-FRAME 1" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:59am W:\2017\103\CAPITOL_AERIAL_GUIDEWAY\801SP328.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP328.dwg

BCA

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

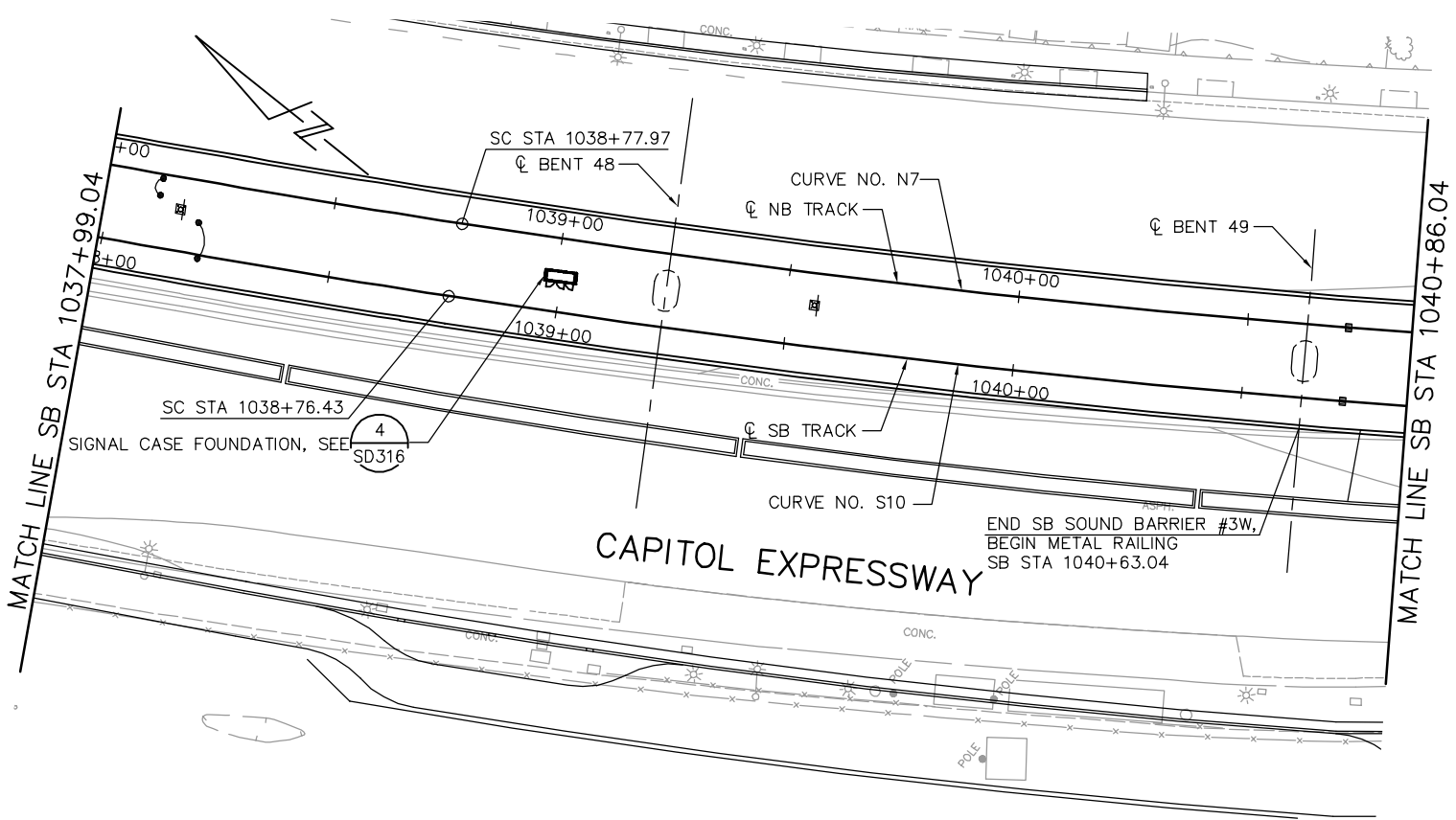
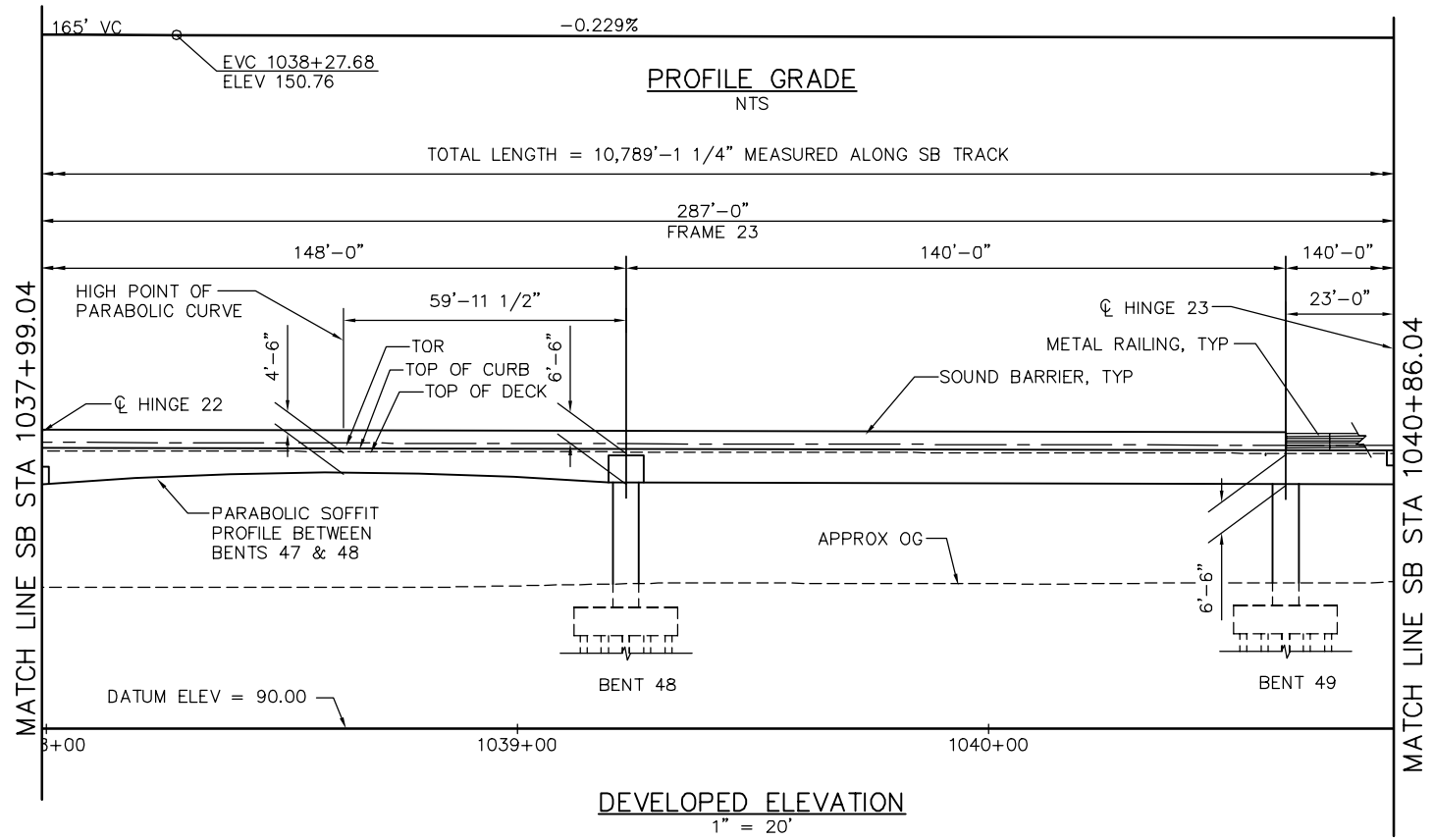
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 22

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP328
REVISION	C



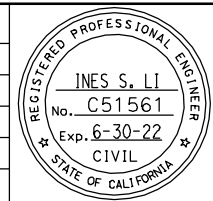
PLAN
1" = 20'

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:00am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP329.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP329.dwg



APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
1" = 20'

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

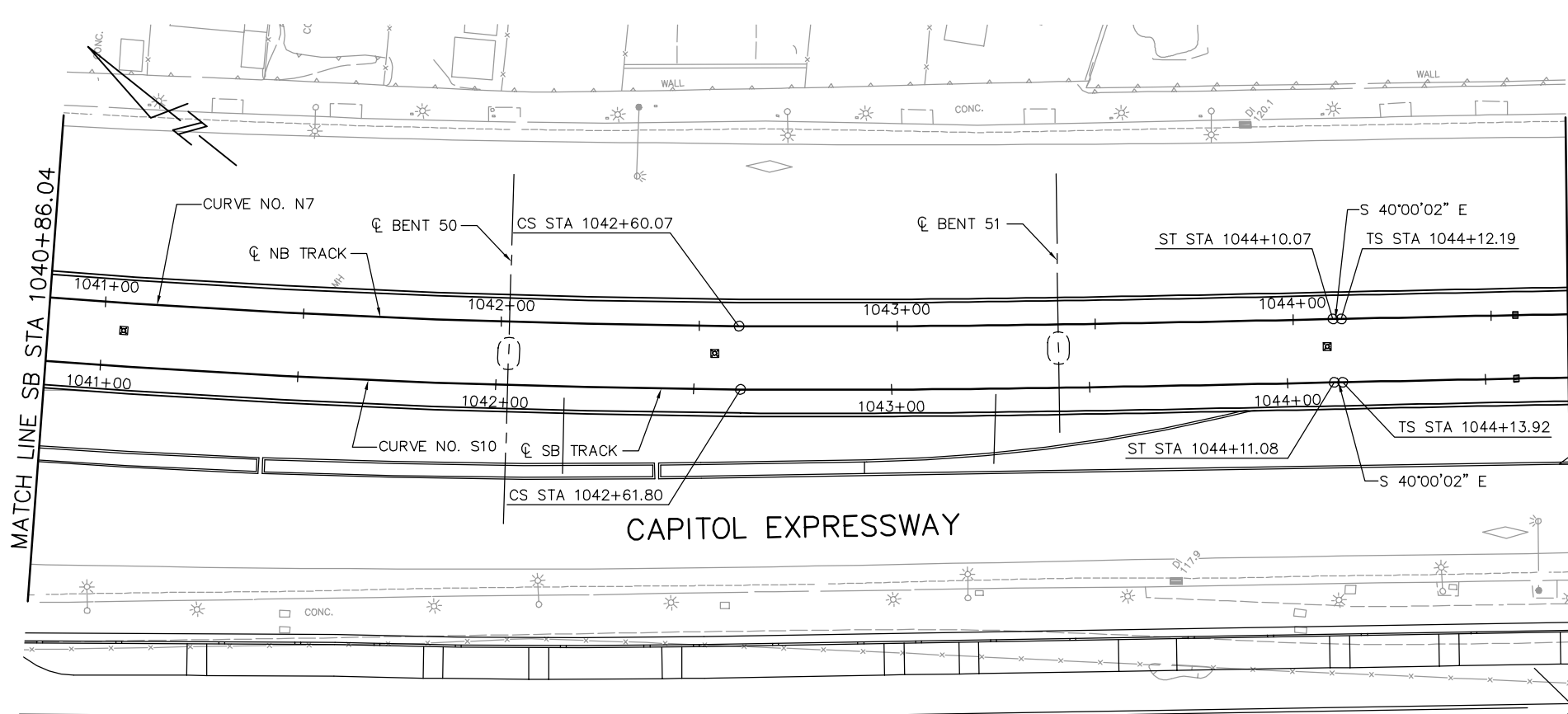
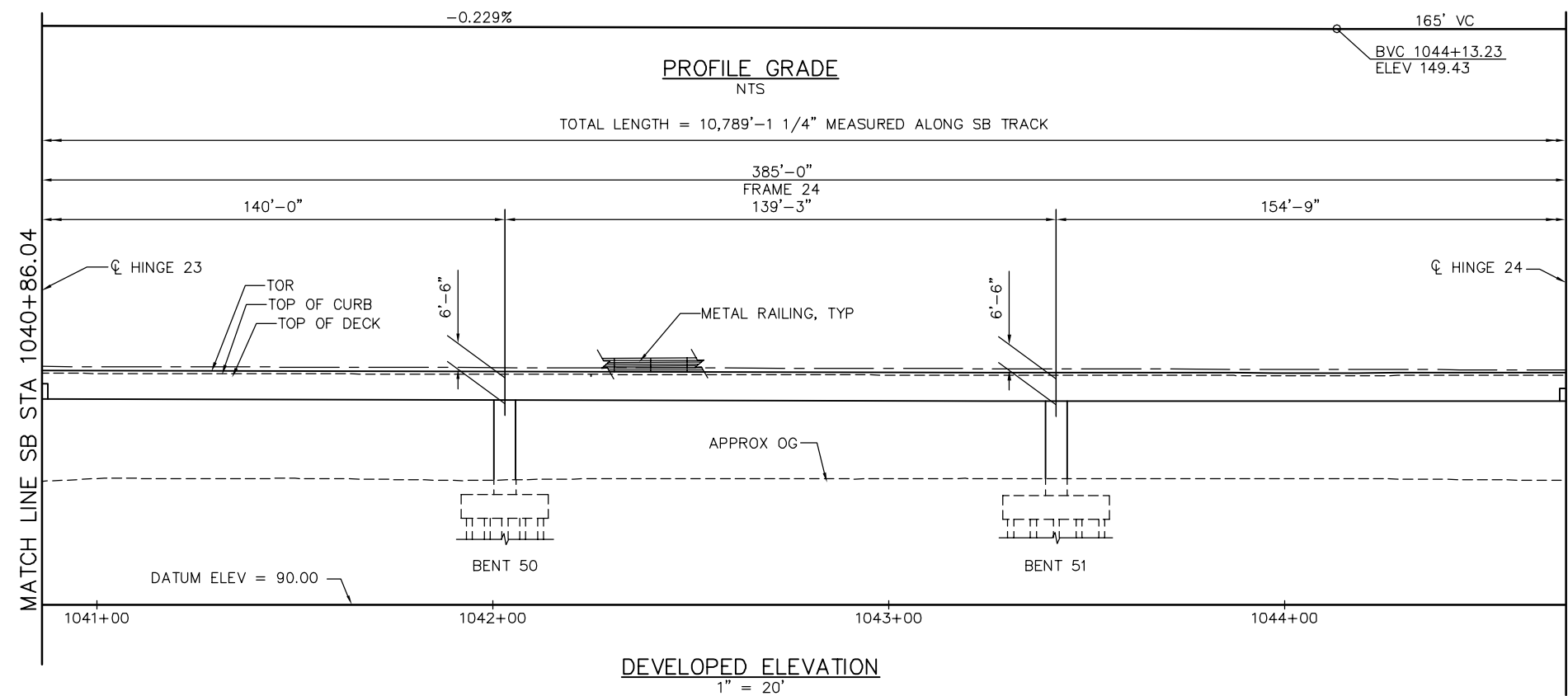
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 23

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF	DRAWING NO.
	SP329
REVISION	C

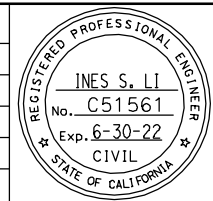


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:01am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP330.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP330.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

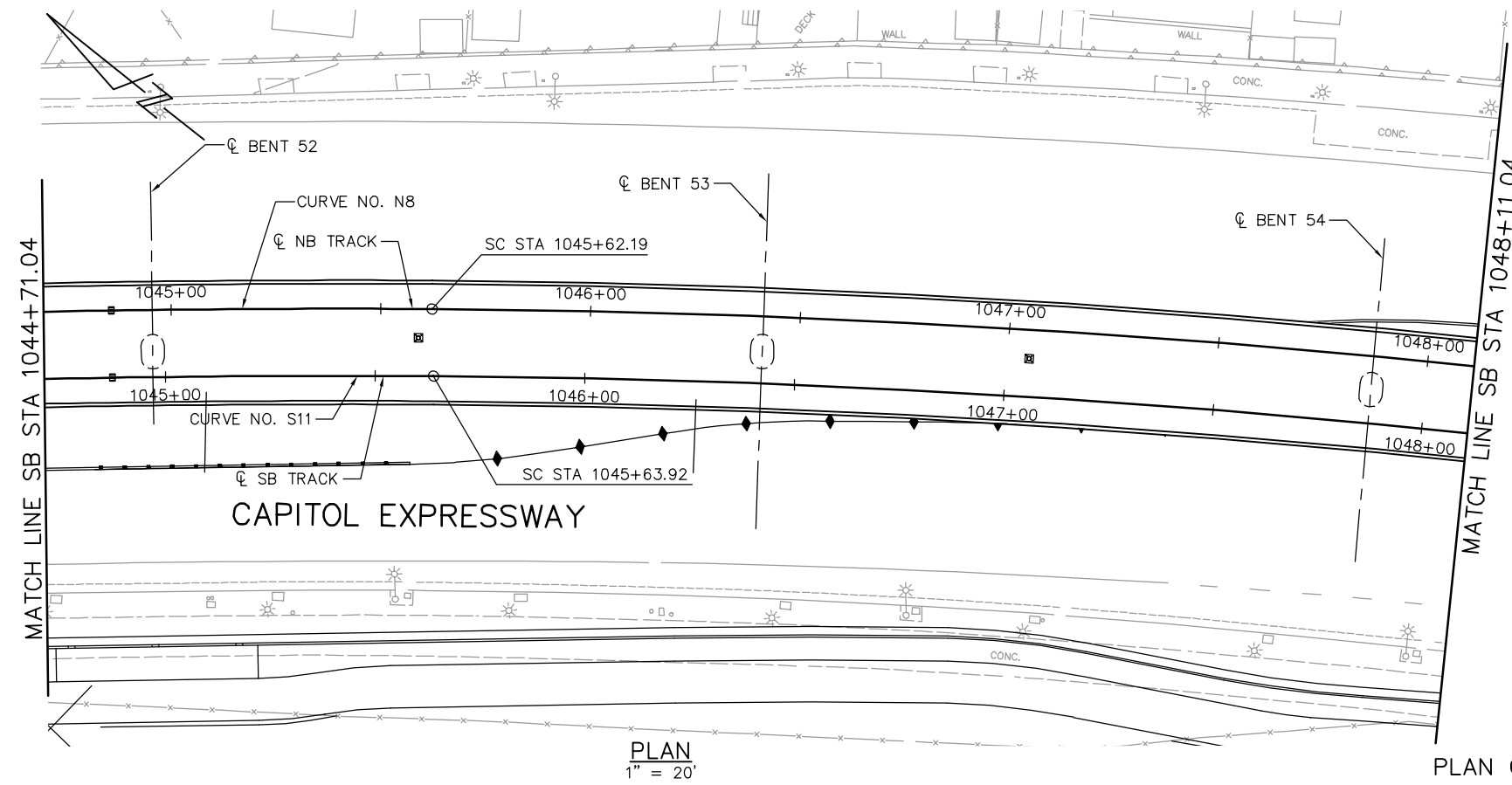
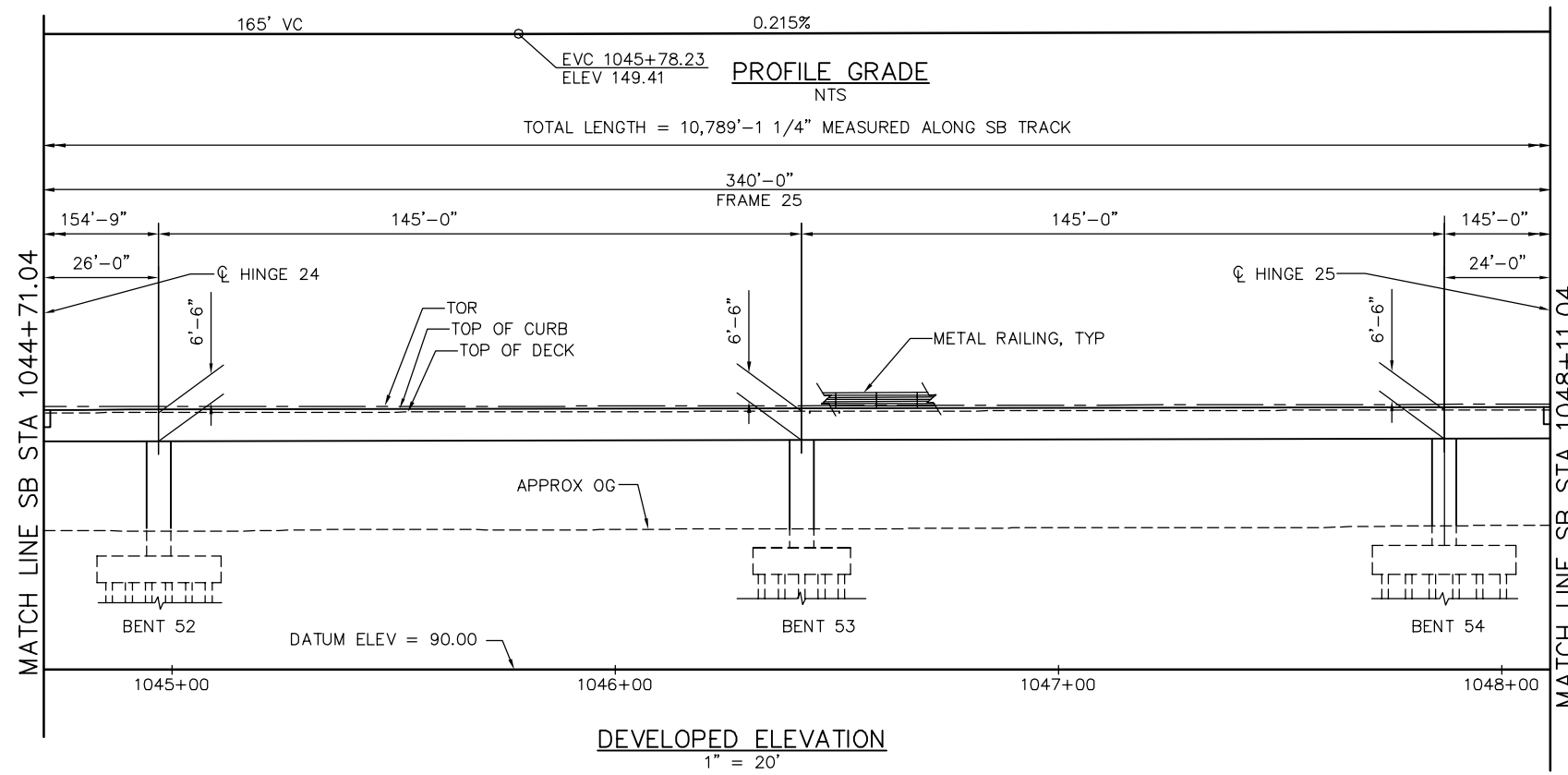
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 24

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP330 REVISION C

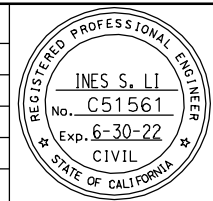


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:02am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP331.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP331.dwg

BCA

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

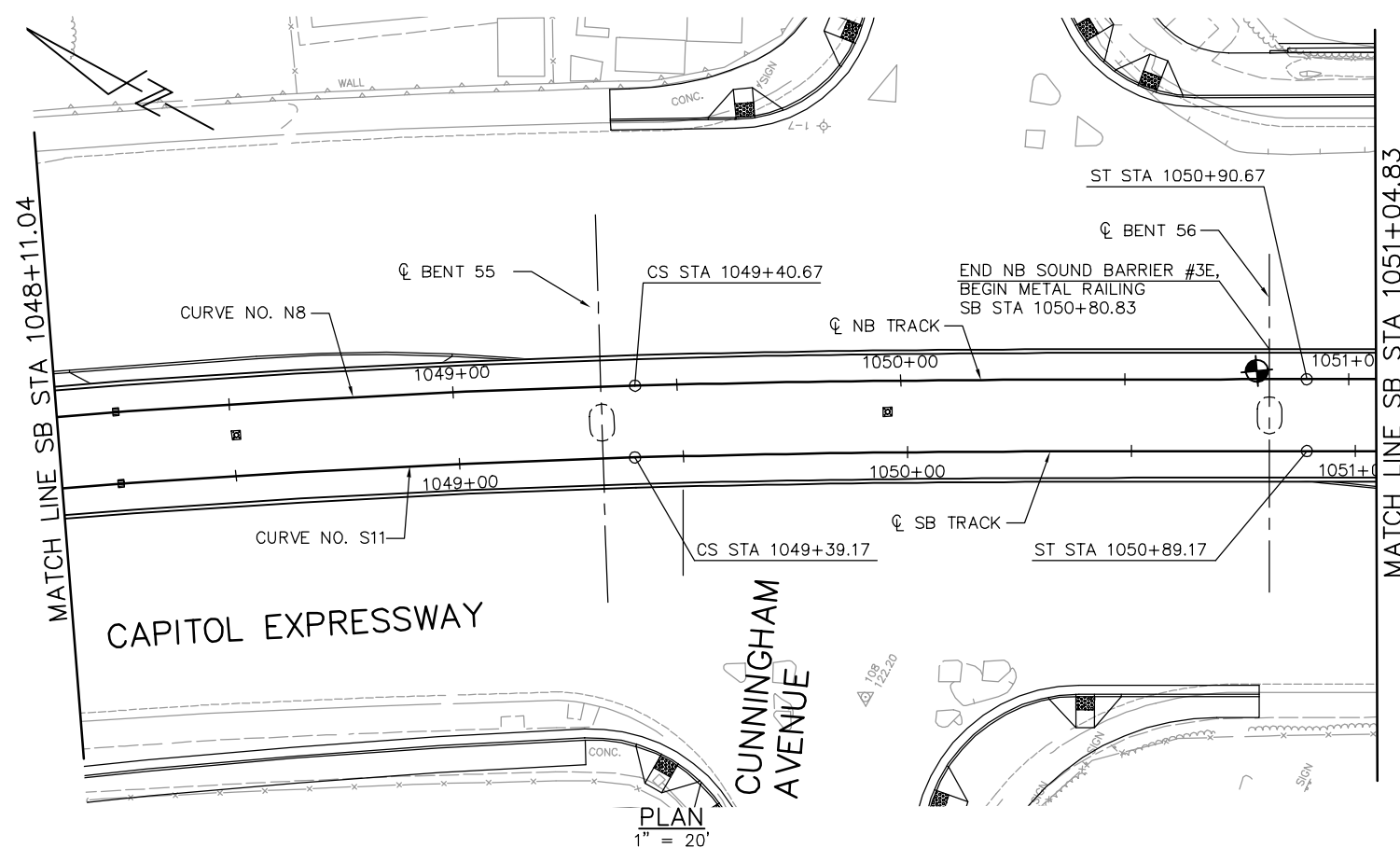
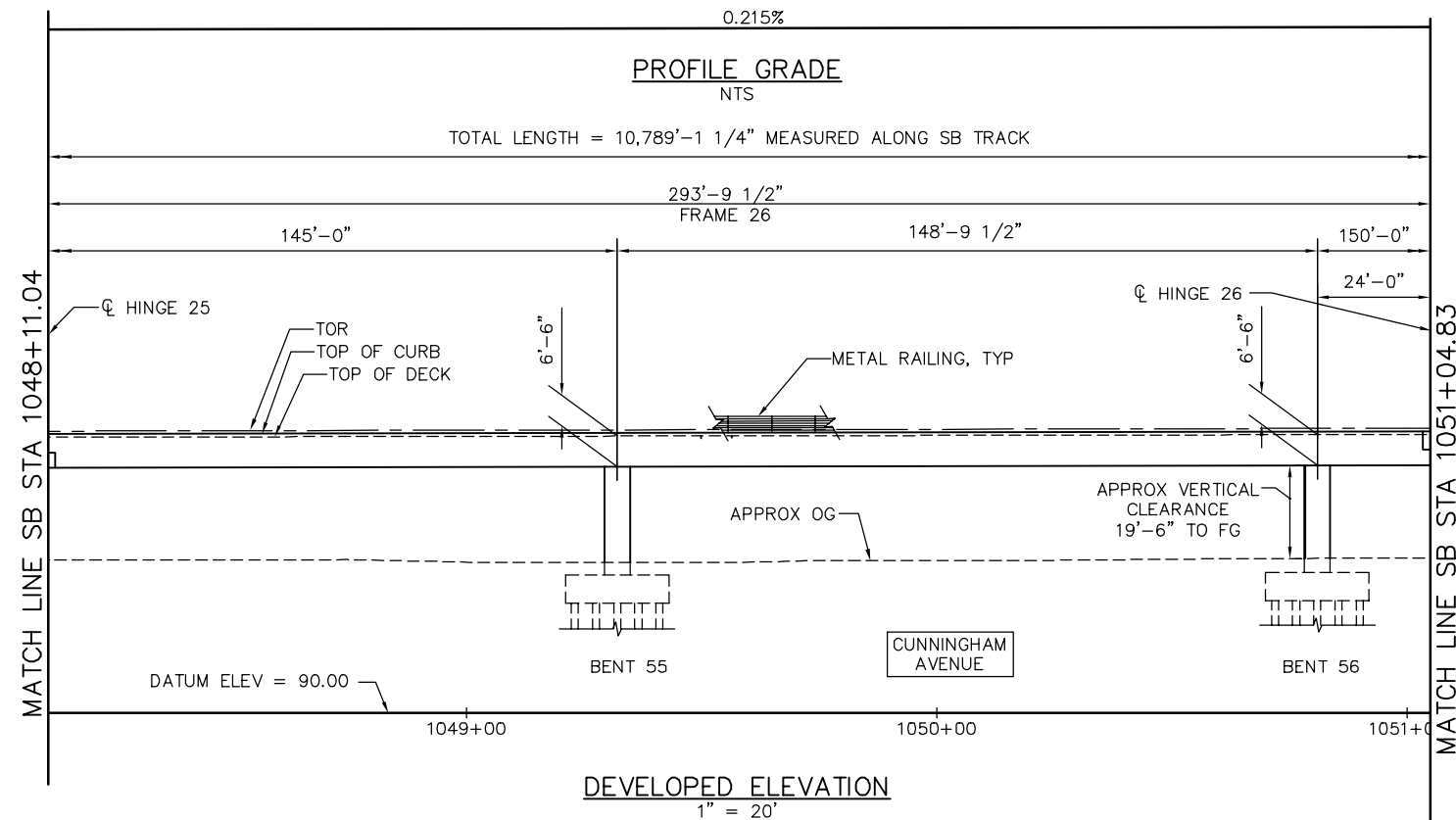
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 25

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP331
REVISION	C

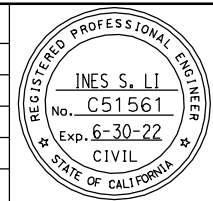


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:03am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP332.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP332.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

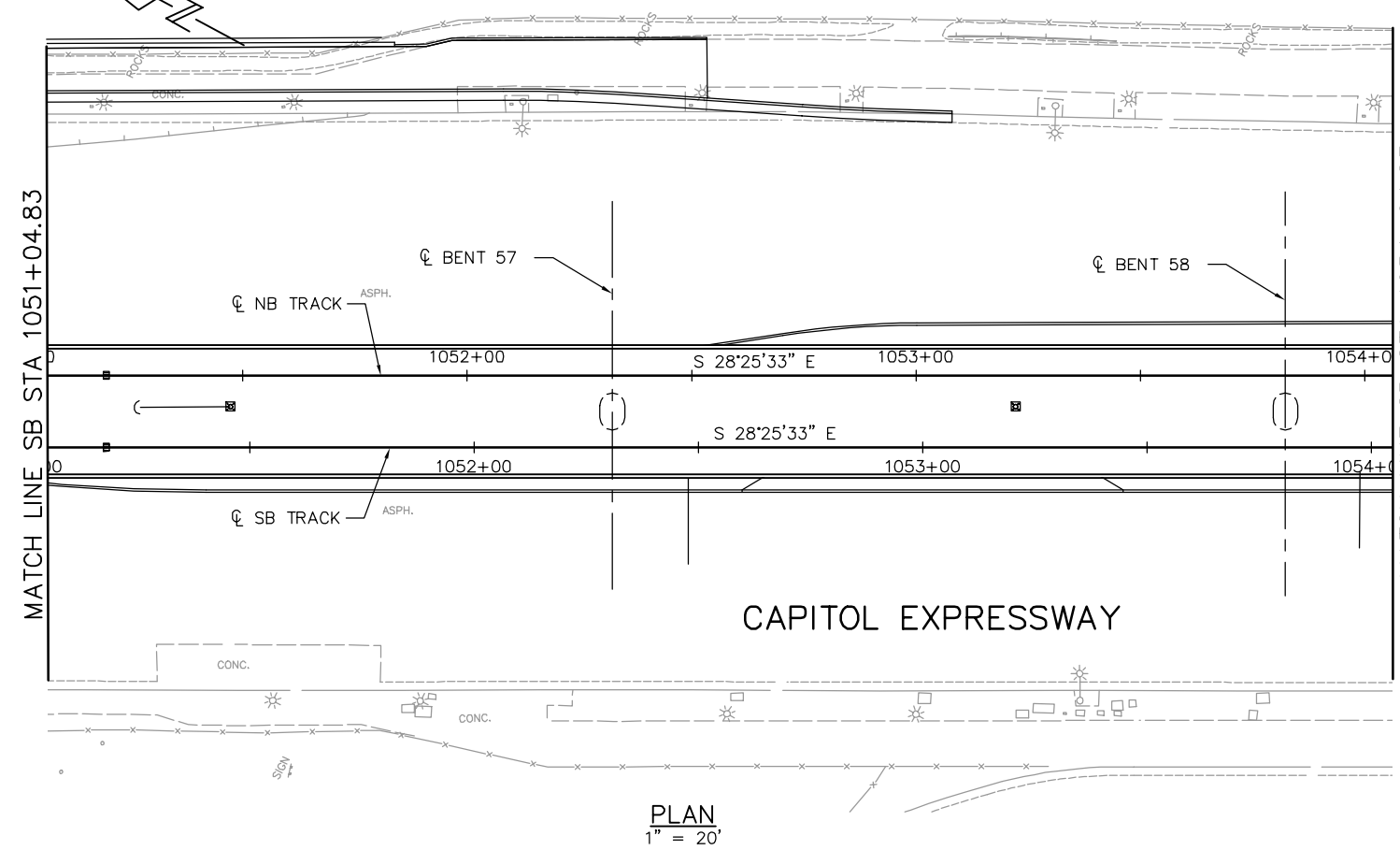
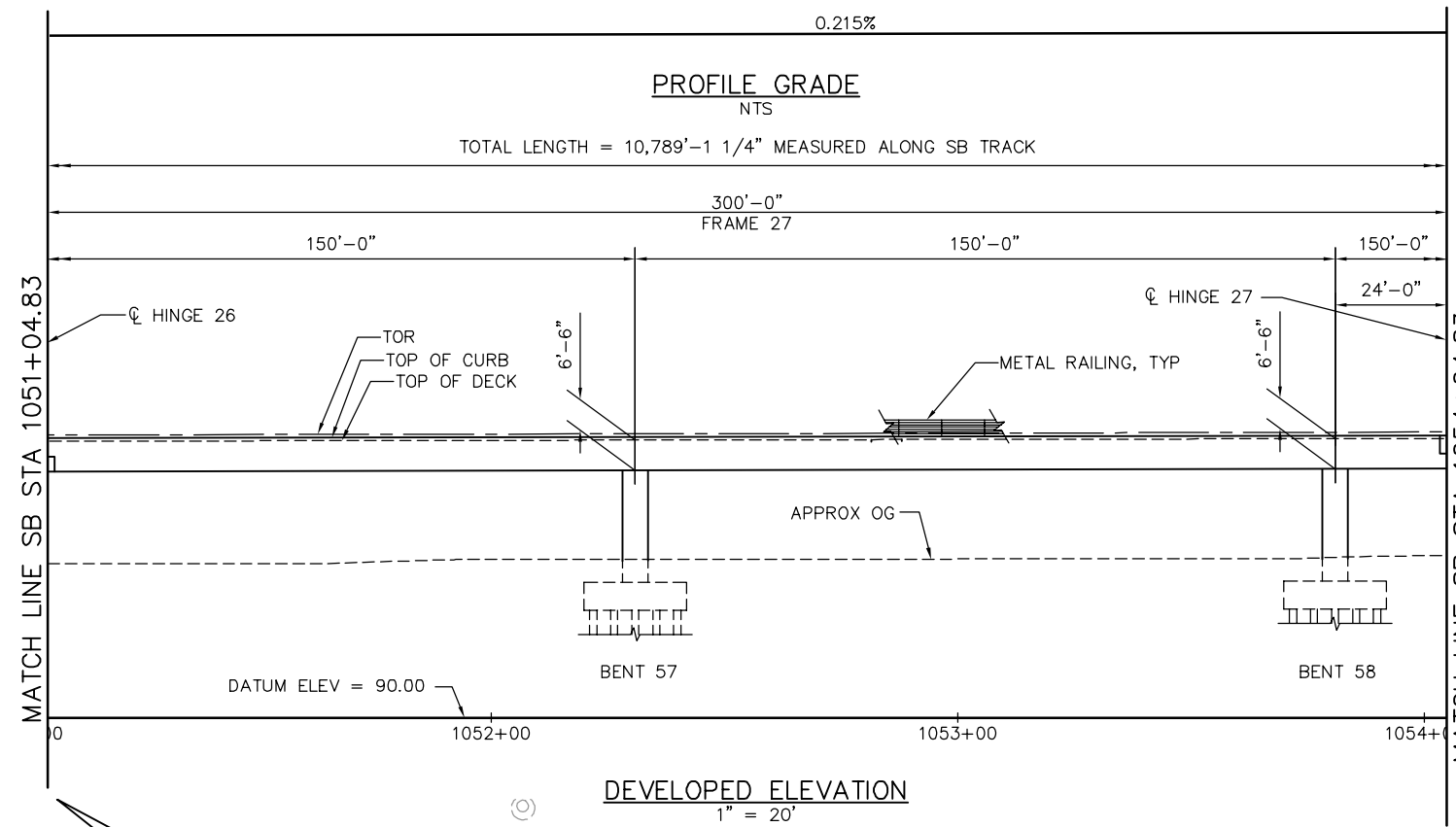
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 26

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SP332	REVISION C

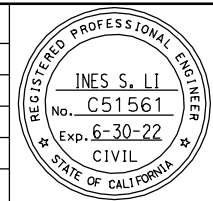


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:05am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP333.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP333.dwg

Santa Clara Valley Transportation Authority

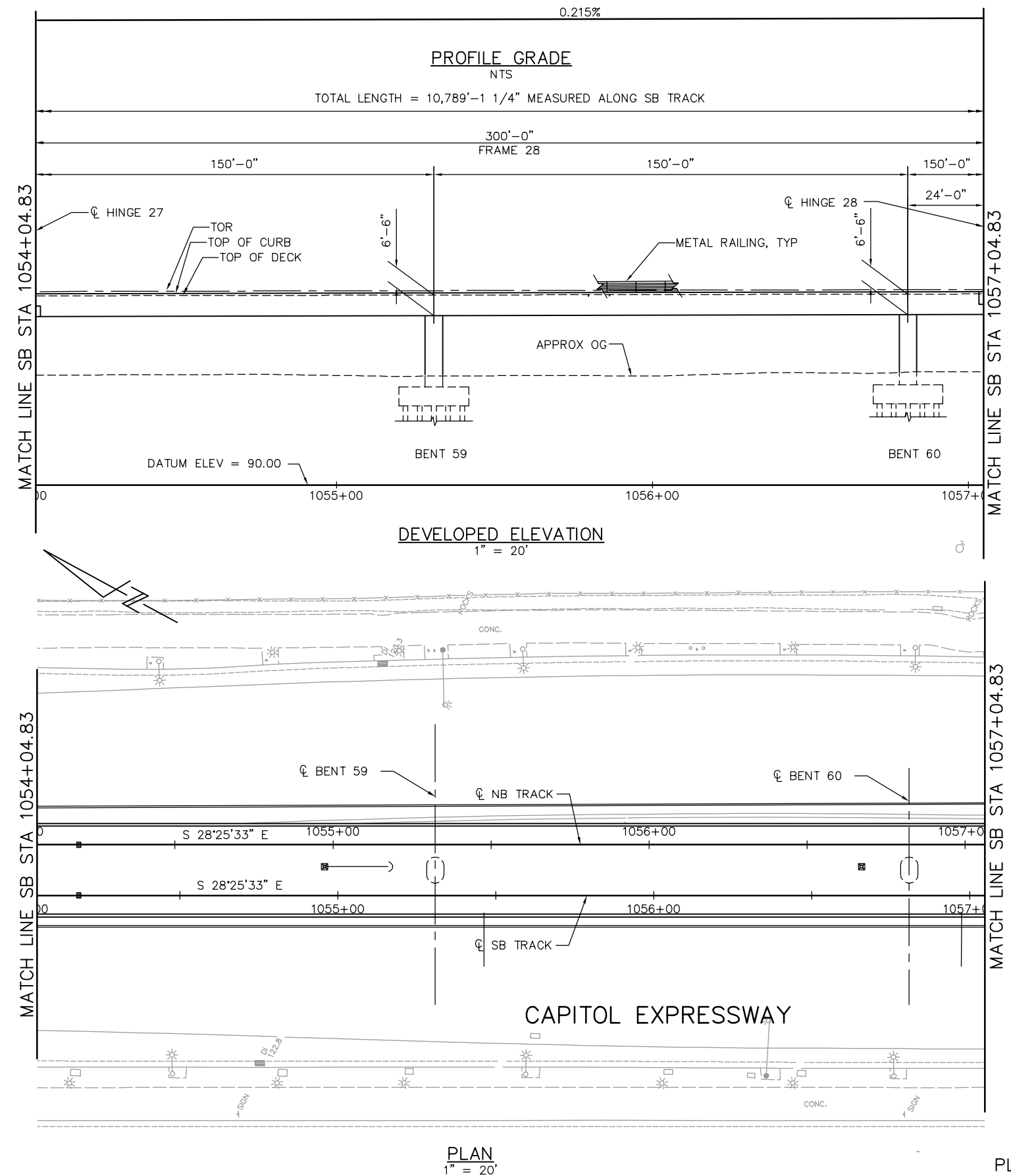
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 27

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP333
REVISION	C



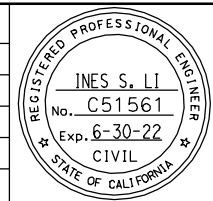
PLAN
1" = 20'

PLAN CHECK SET/NOT FOR CONSTRUCTION

NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

SMH Jun 21, 2020 - 9:04am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP334.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP334.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

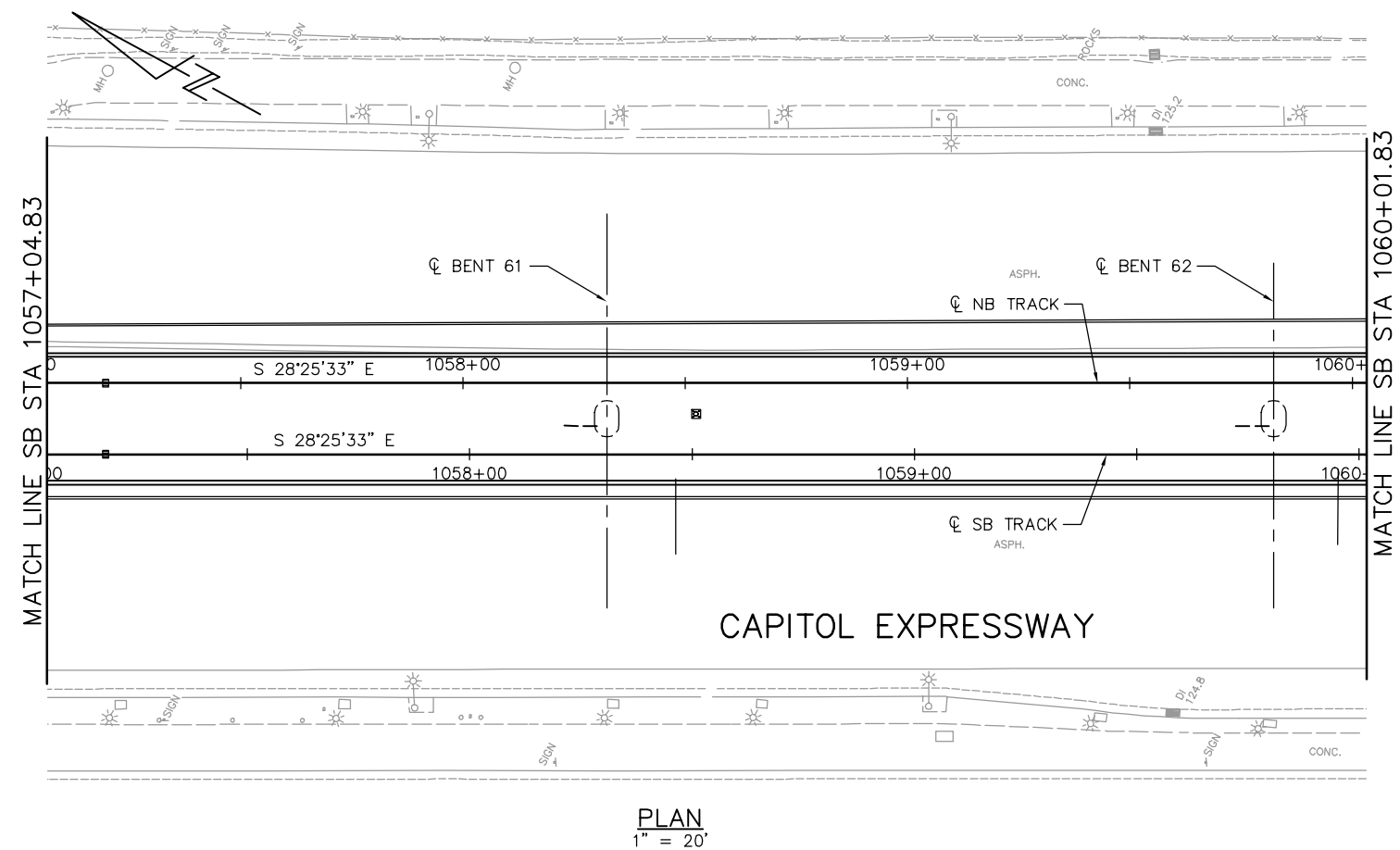
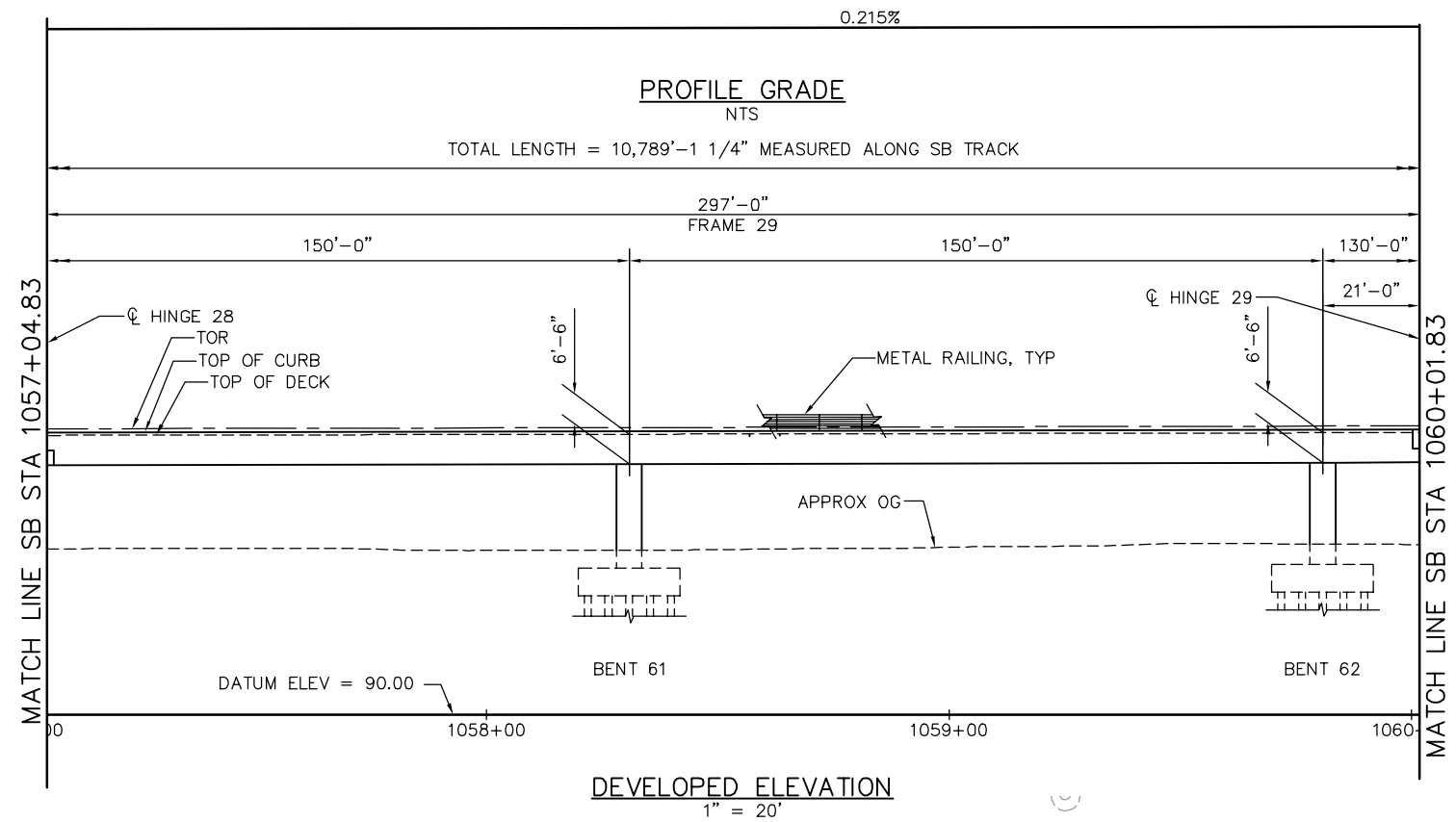
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 28

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SP334
REVISION	C

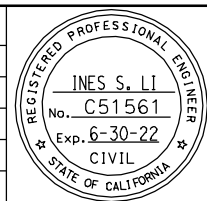


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:05am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP335.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP335.dwg

Santa Clara Valley
Transportation
Authority

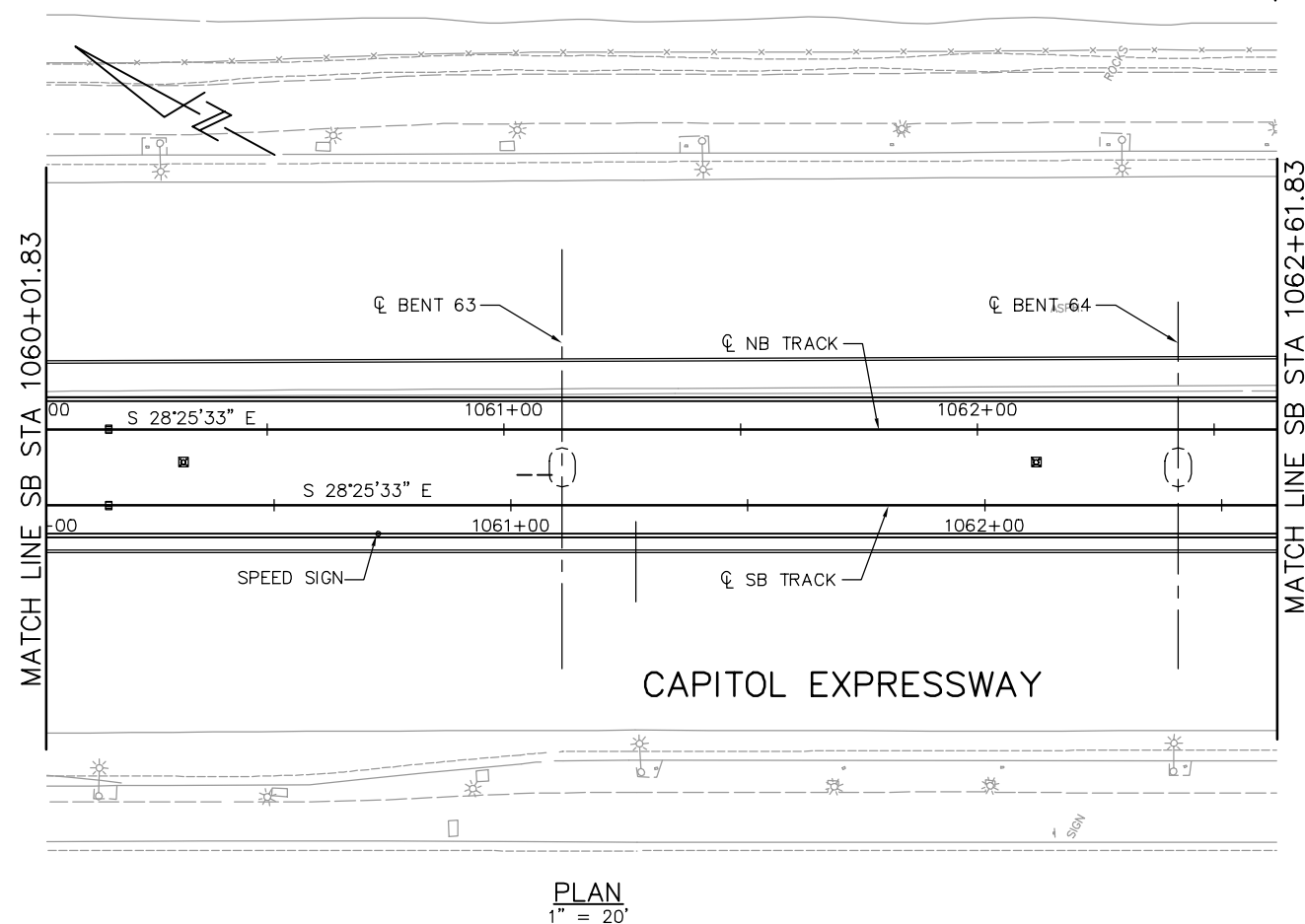
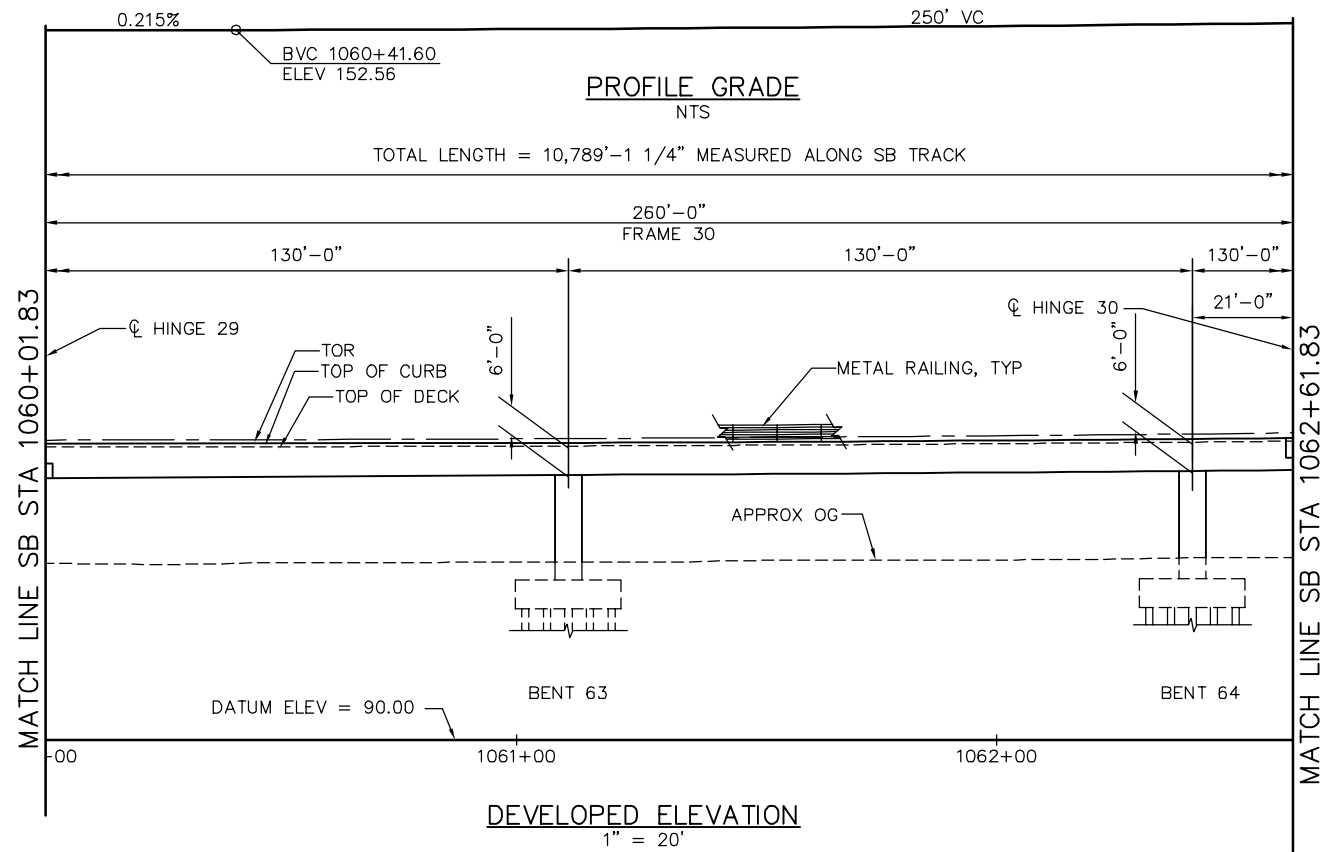
APPROVED

CADD FILE DATE: 05/18/20
SCALE: 1" = 20'
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 29

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP335 REVISION C

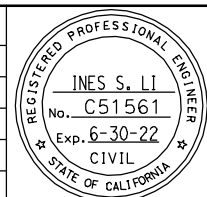


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:06am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP336.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-286-5515

DESIGNED: D. CHAN CHECKED: D. DEVLIN

DRAWN: S. HICKEY CADD FILENAME: 801SP336.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

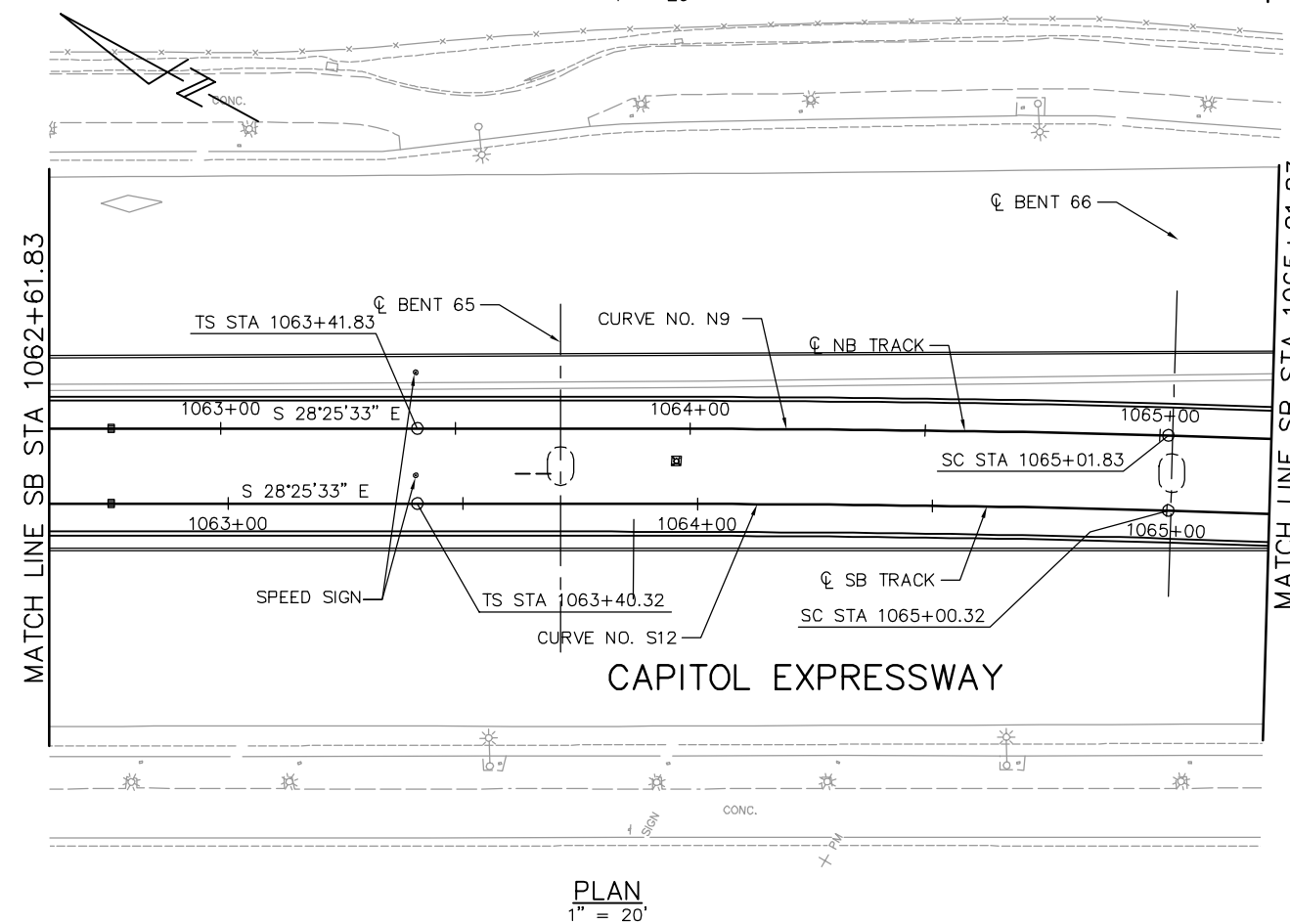
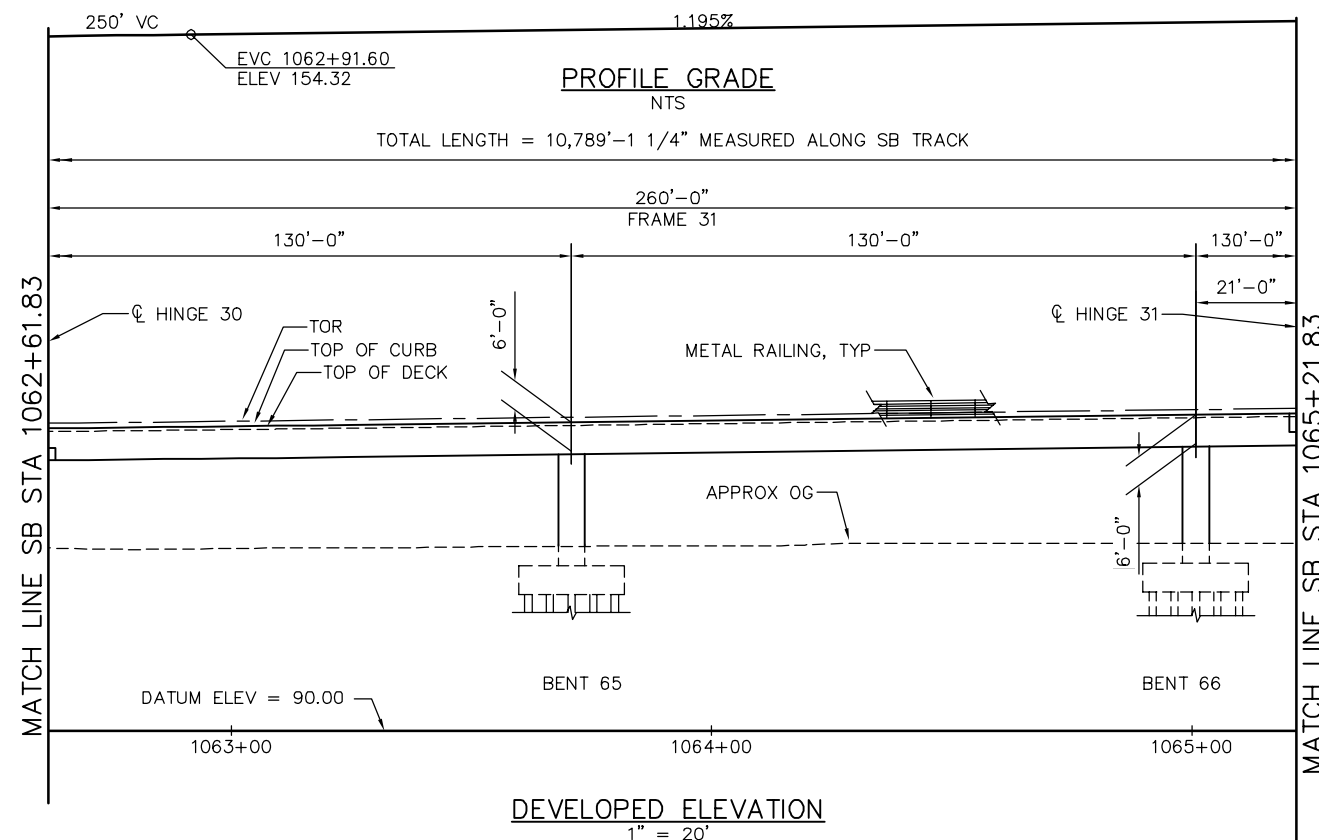
CADD FILE DATE: 05/18/20 SCALE: 1" = 20'

SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 30

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP336 REVISION C

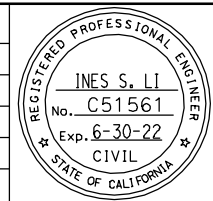


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:07am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP337.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP337.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

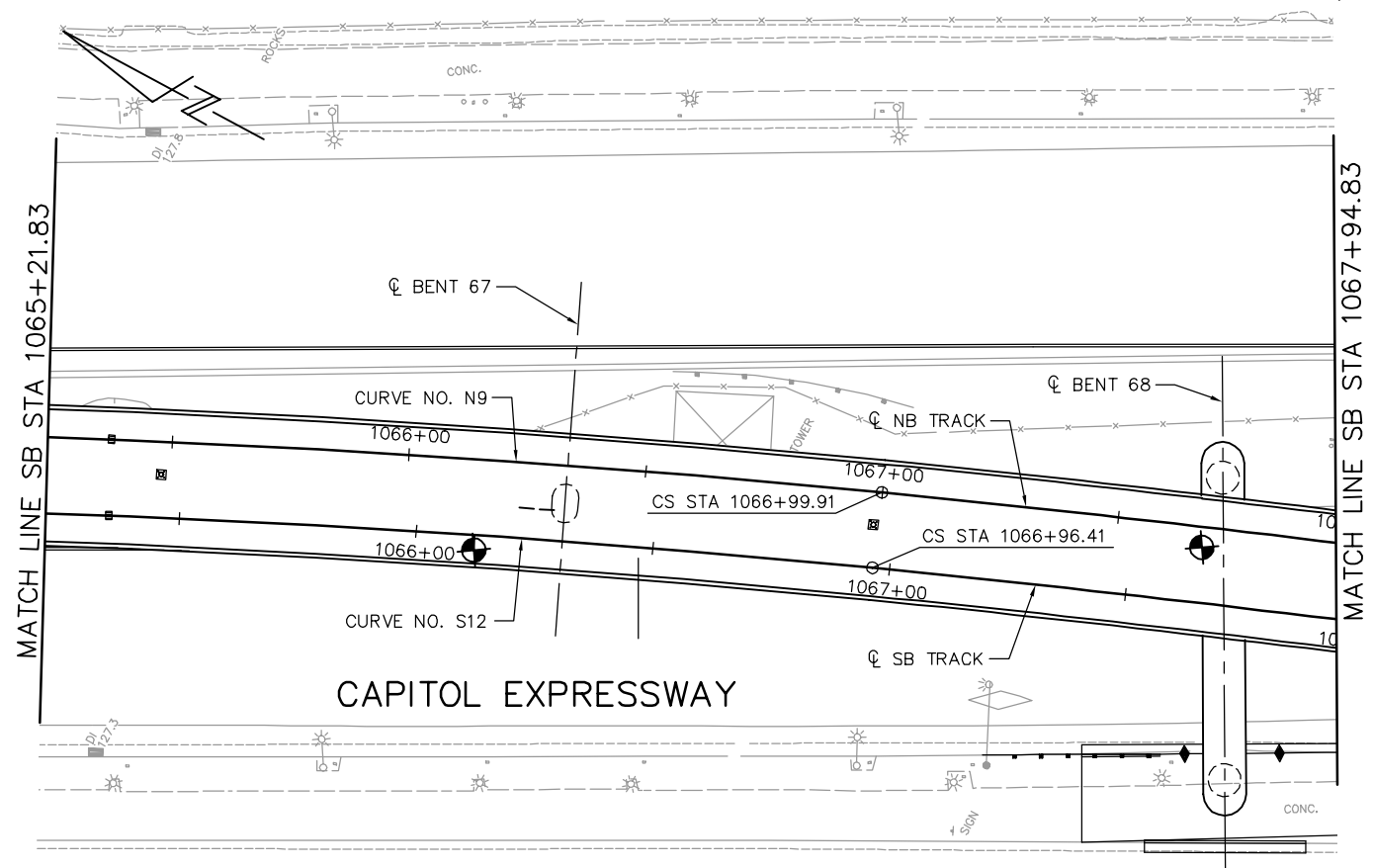
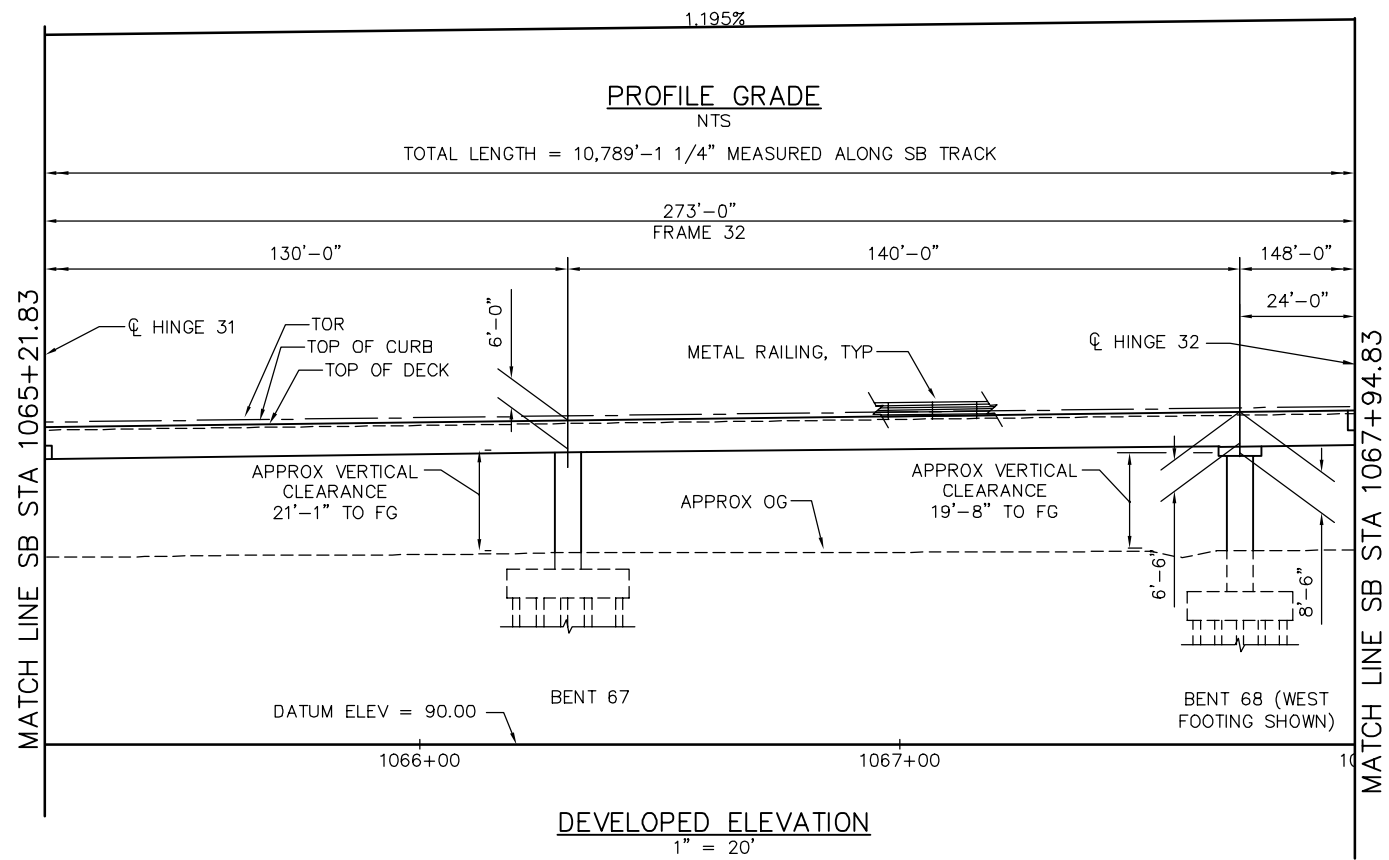
CADD FILE DATE
05/18/20

SCALE
1" = 20'

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY STRUCTURE PLAN - FRAME 31			SHEET OF DRAWING NO. SP337 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

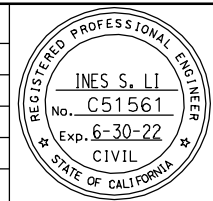


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:08am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP338.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP338.dwg

BCA

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

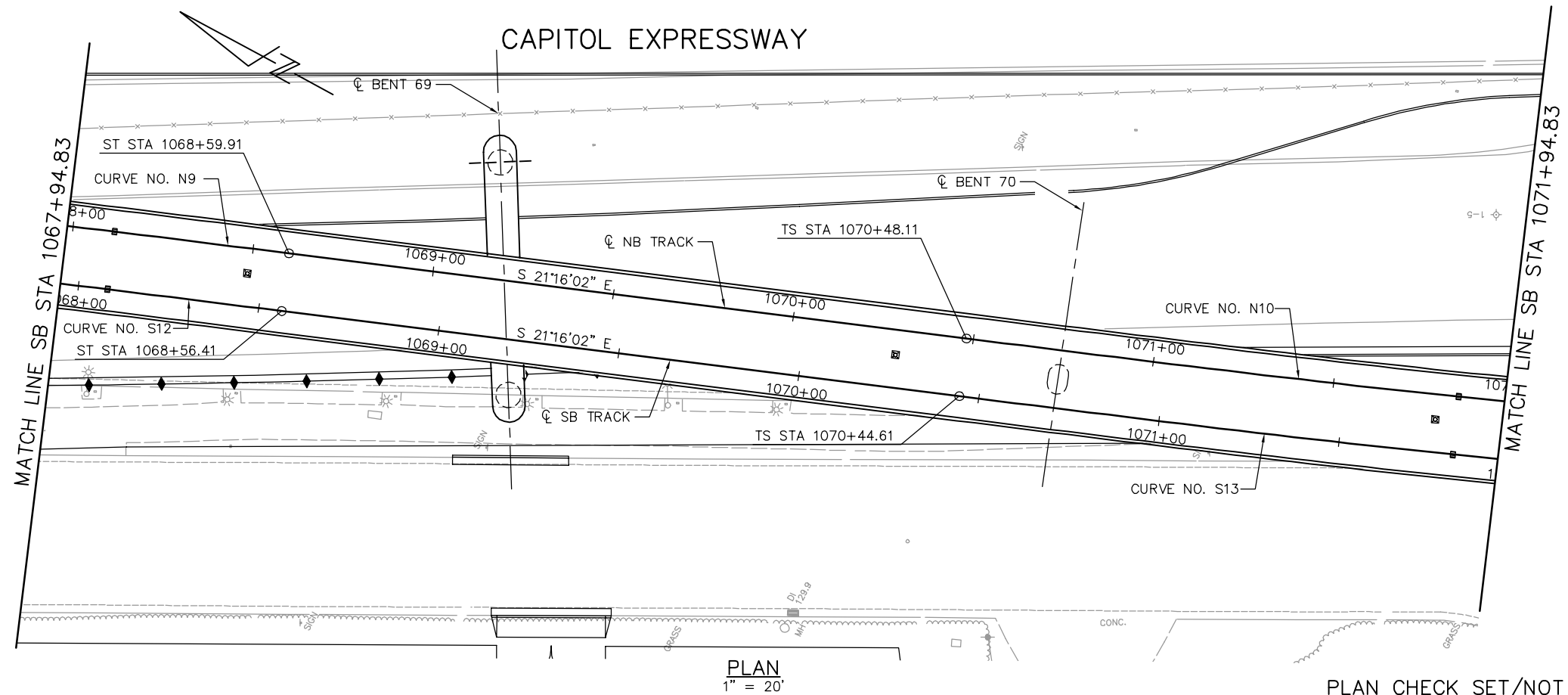
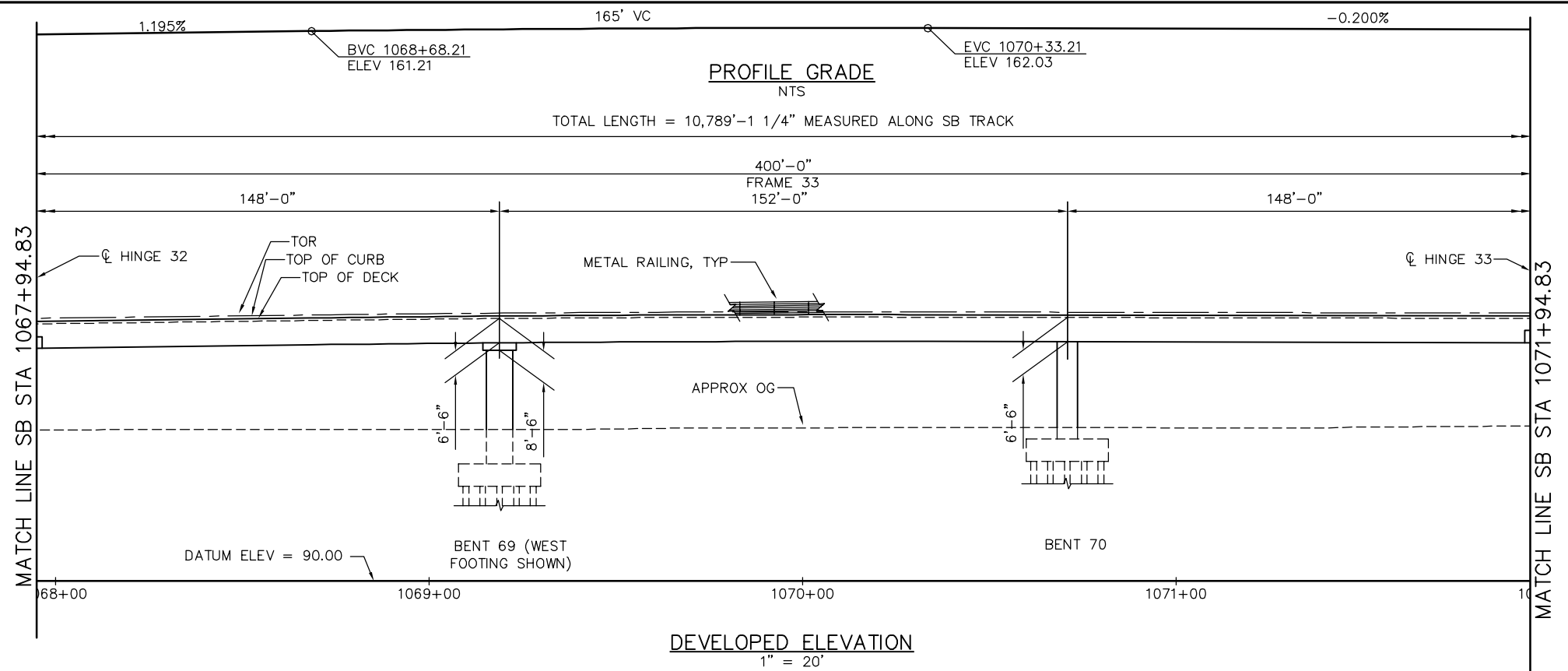
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 32

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP338 REVISION C

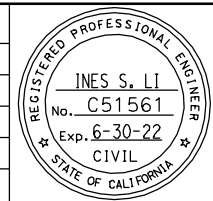


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:08am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP339.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP339.dwg

BCA

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
1" = 20'

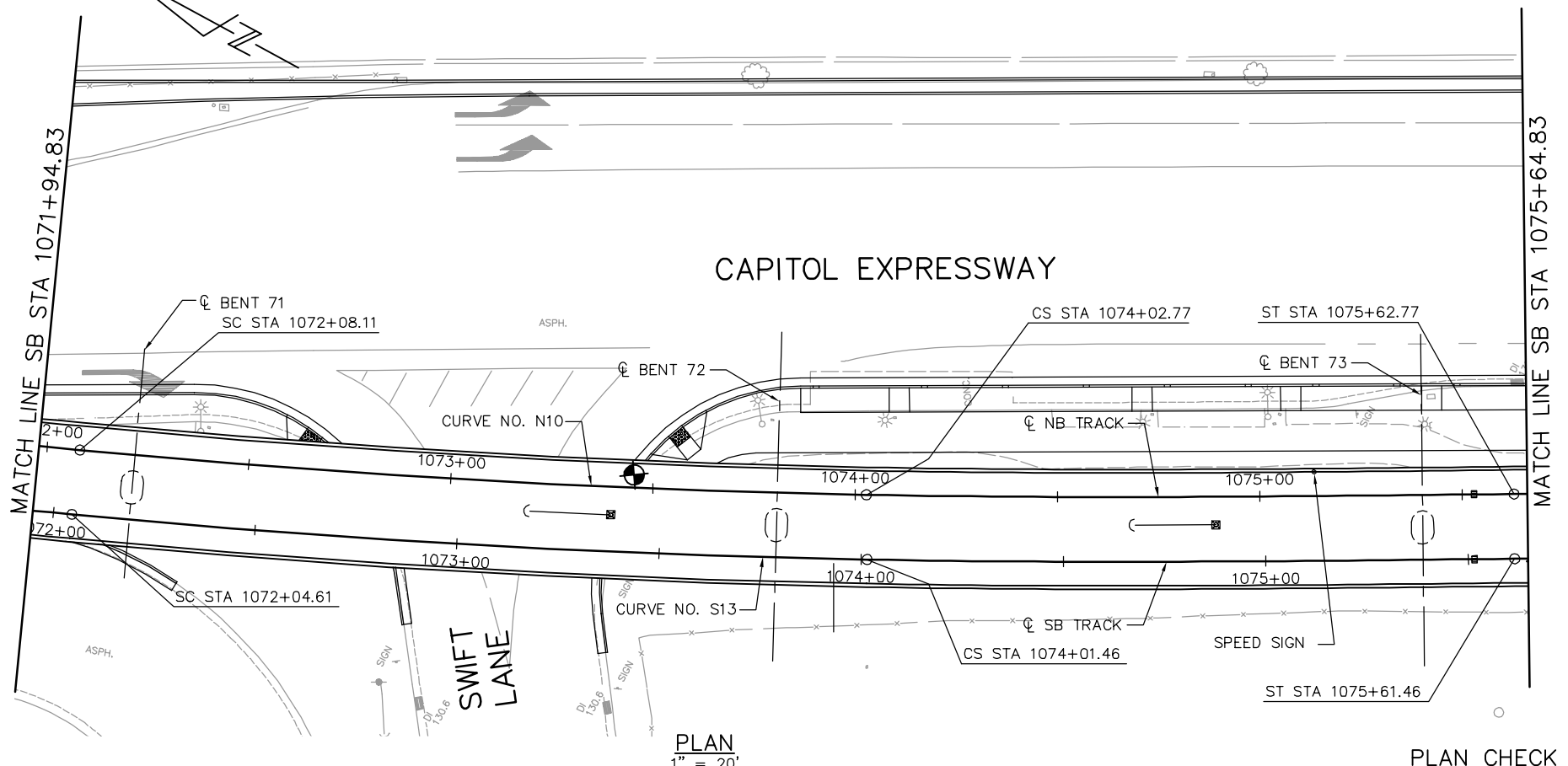
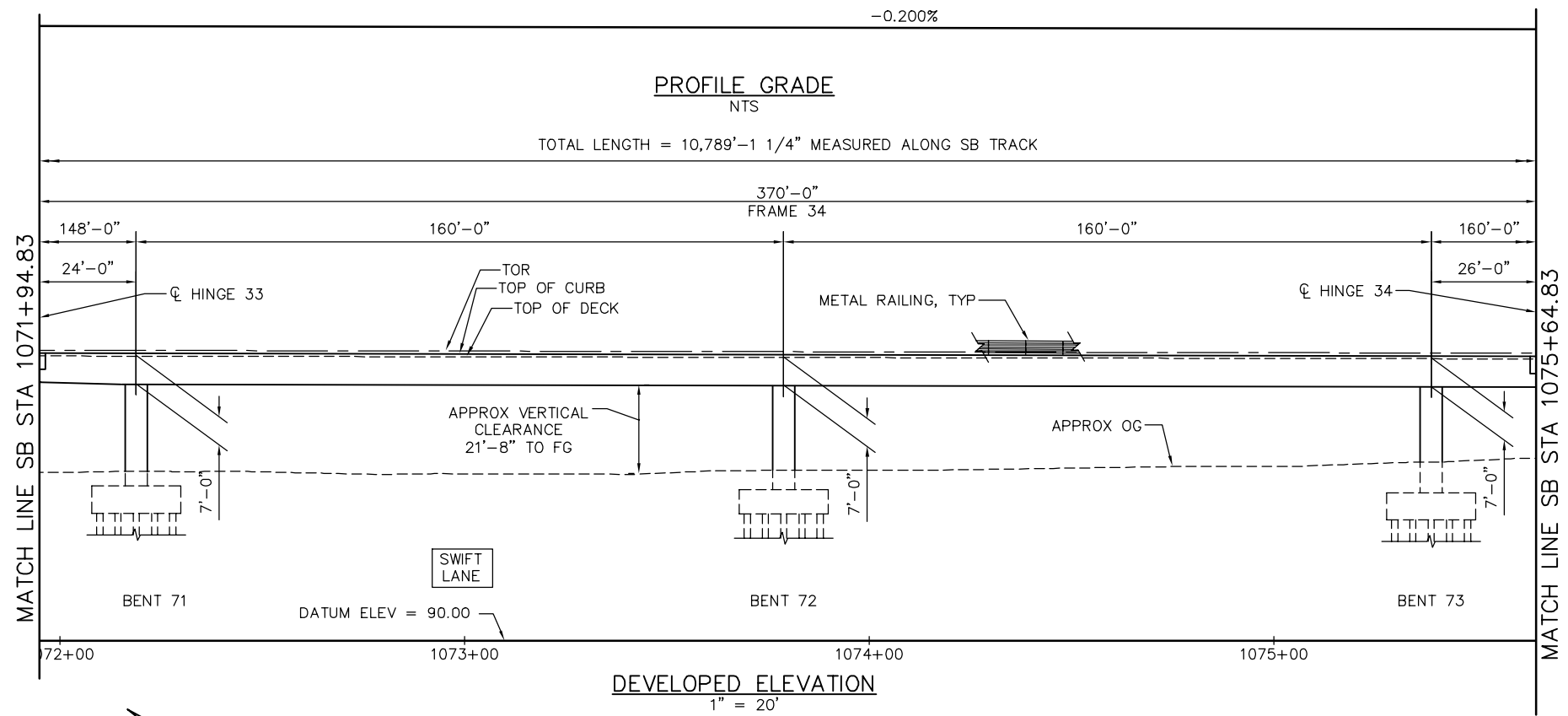
SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 33

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. SP339
REVISION C

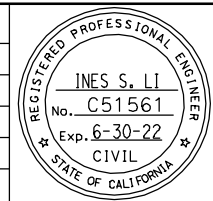


NOTE:
FOR "STRUCTURE PLAN NOTES" AND
"LEGEND", SEE "STRUCTURE PLAN-FRAME 1"
SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:09am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP340.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP340.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

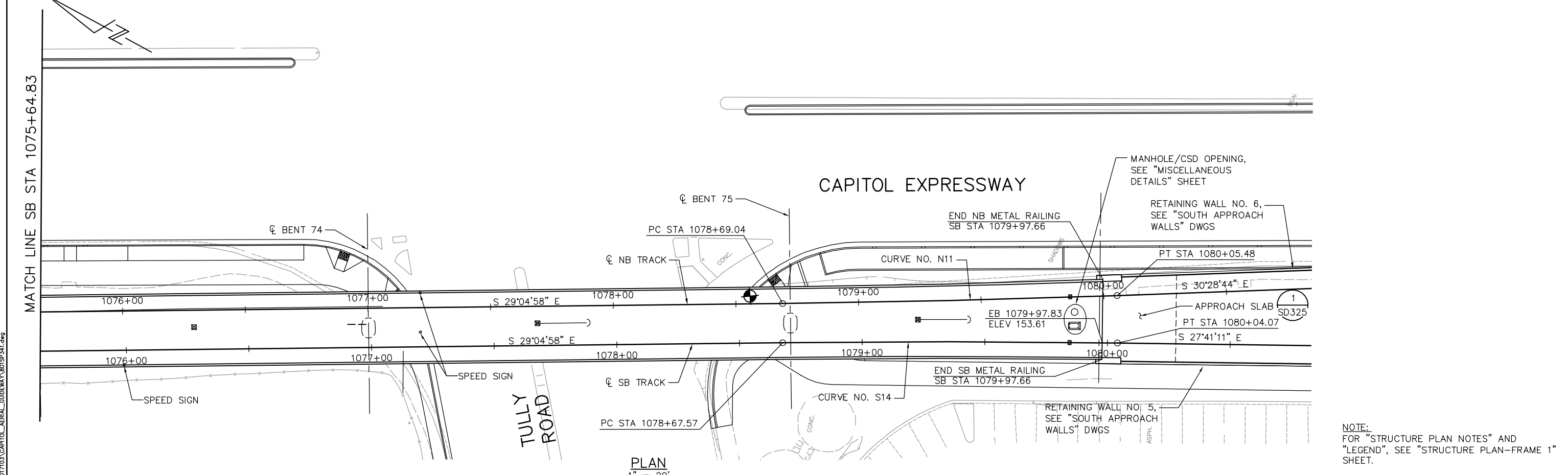
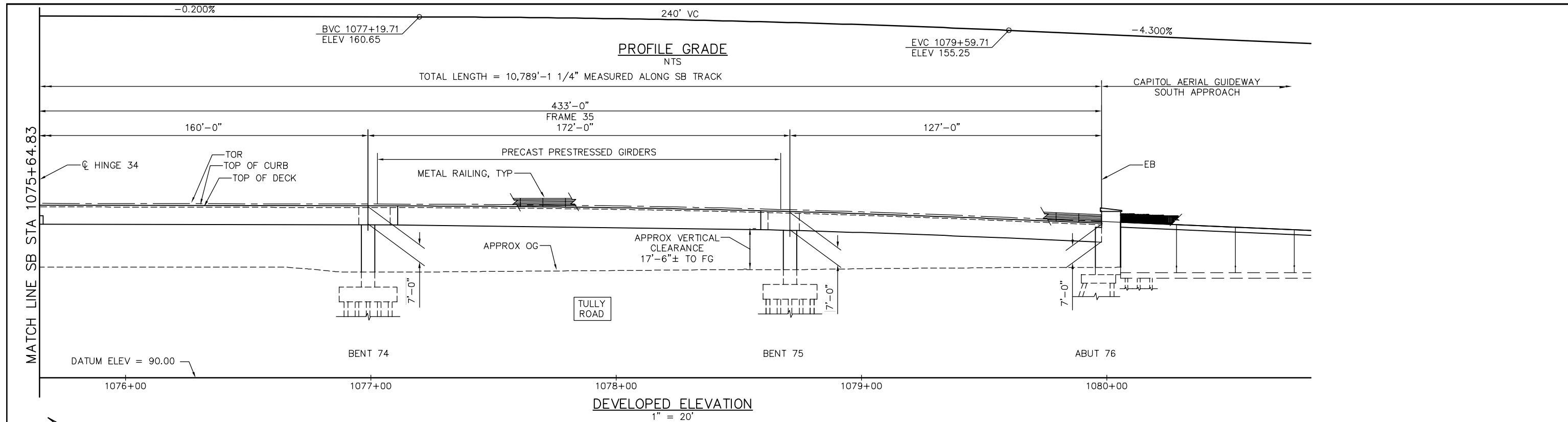
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 34

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP340 REVISION C

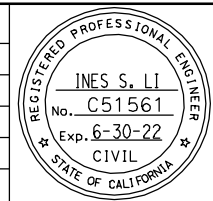


NOTE:
FOR "STRUCTURE PLAN NOTES" AND "LEGEND", SEE "STRUCTURE PLAN-FRAME 1" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:10am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP341.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP341.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
1" = 20'

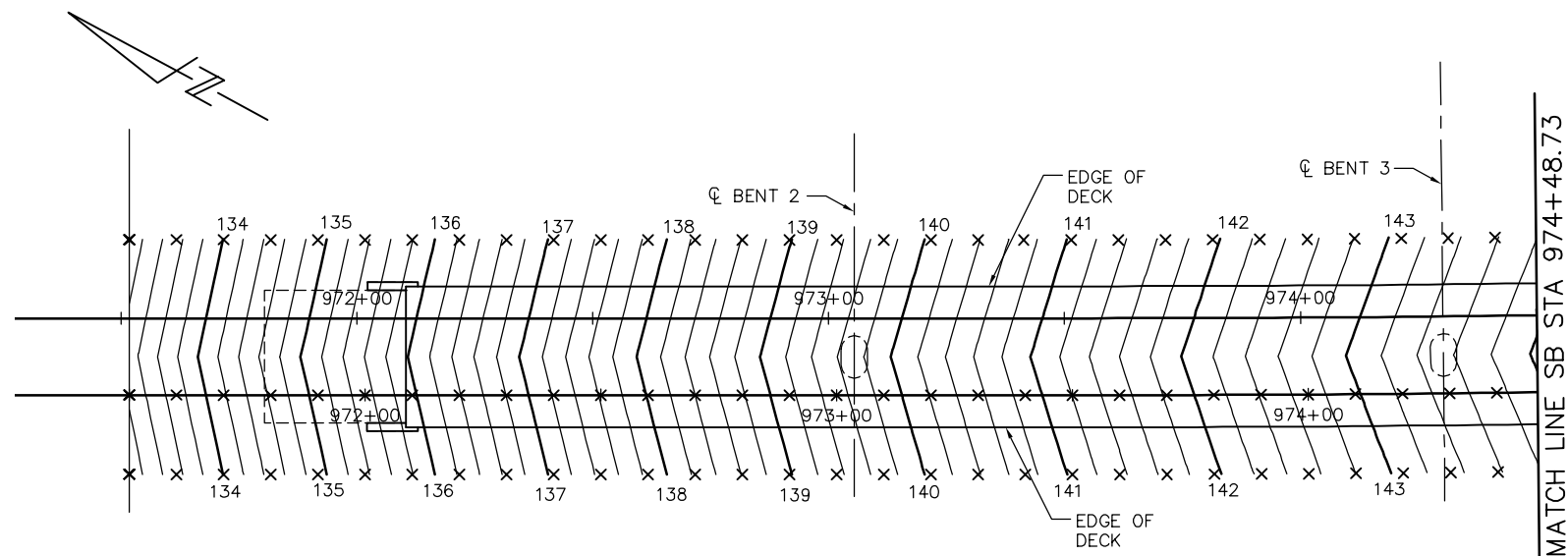
SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

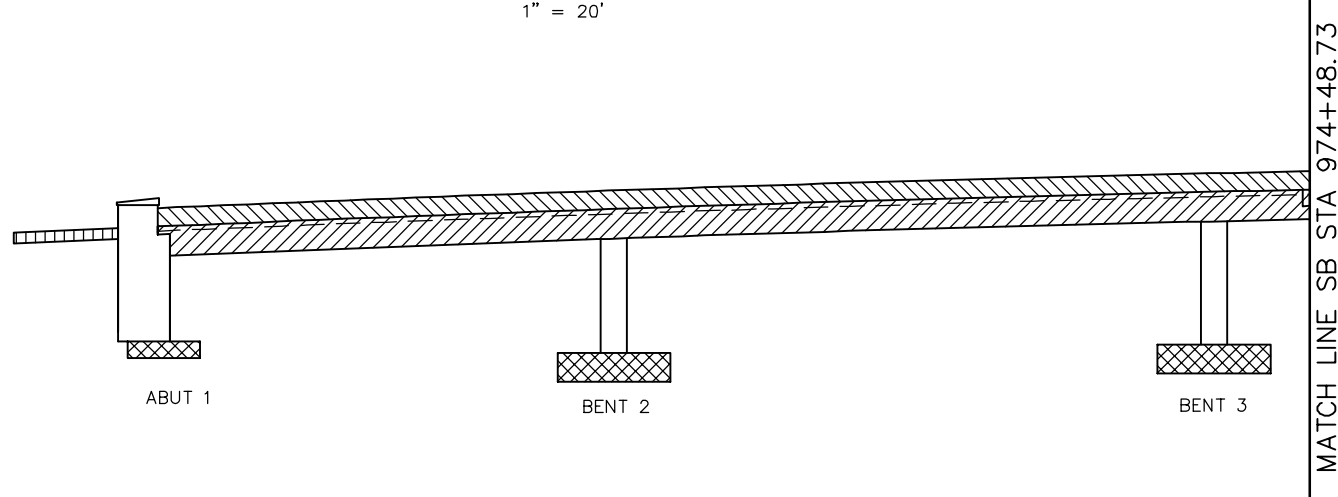
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
STRUCTURE PLAN - FRAME 35

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

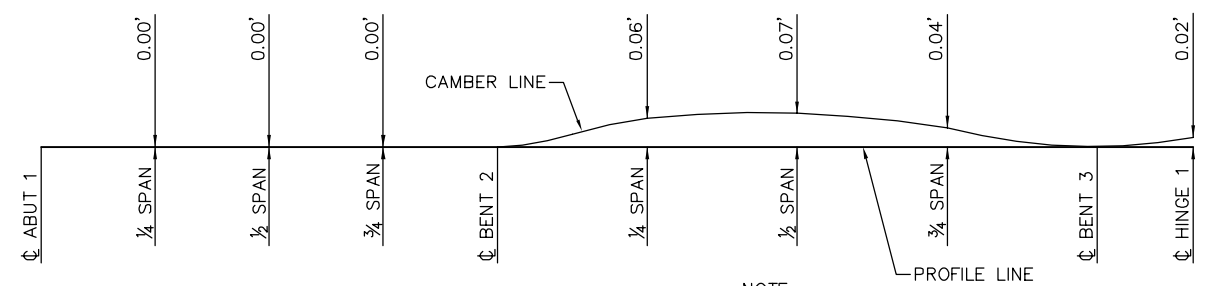
SHEET OF DRAWING NO. SP341 REVISION C



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 1
NTS



NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE
ALLOWANCES FOR FALSEWORK SETTLEMENT

CAMBER DIAGRAM - FRAME 1
NTS

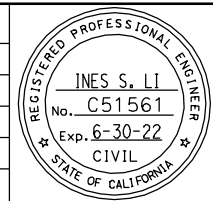
- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 1' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
1	506K	35K

SMH Jun 21, 2020 - 8:11am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP342.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP342.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

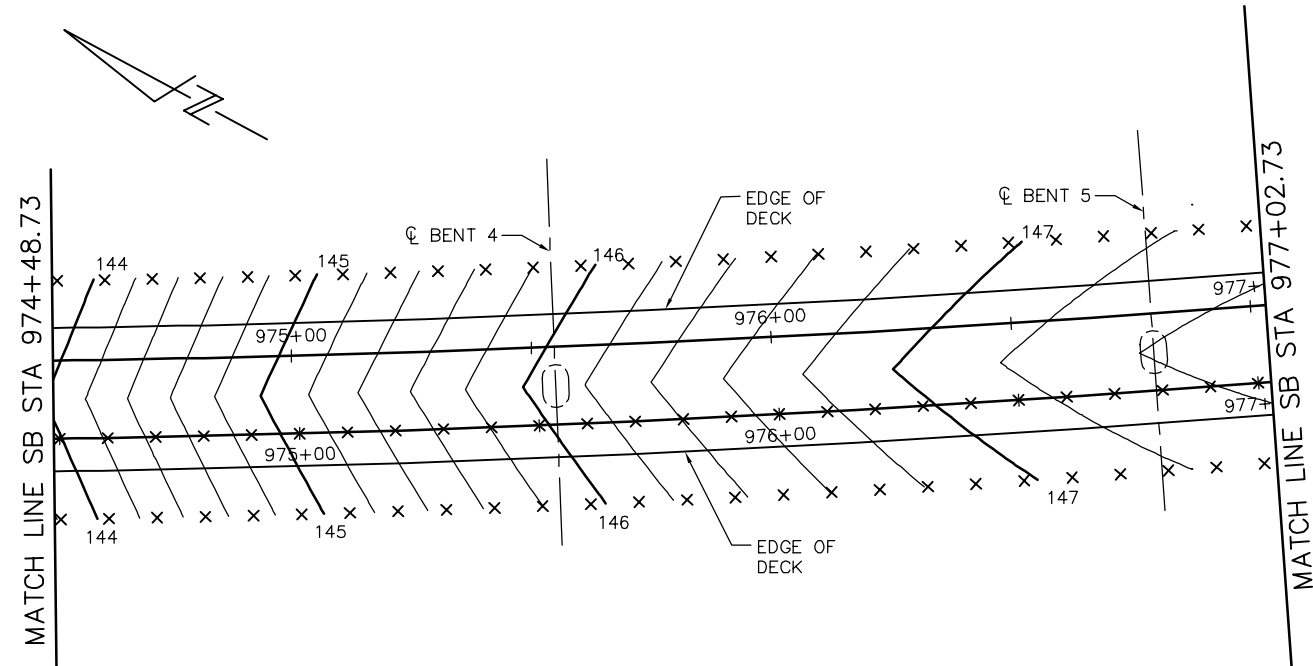
BOARD APPROVAL DATE

PLAN CHECK SET/NOT FOR CONSTRUCTION

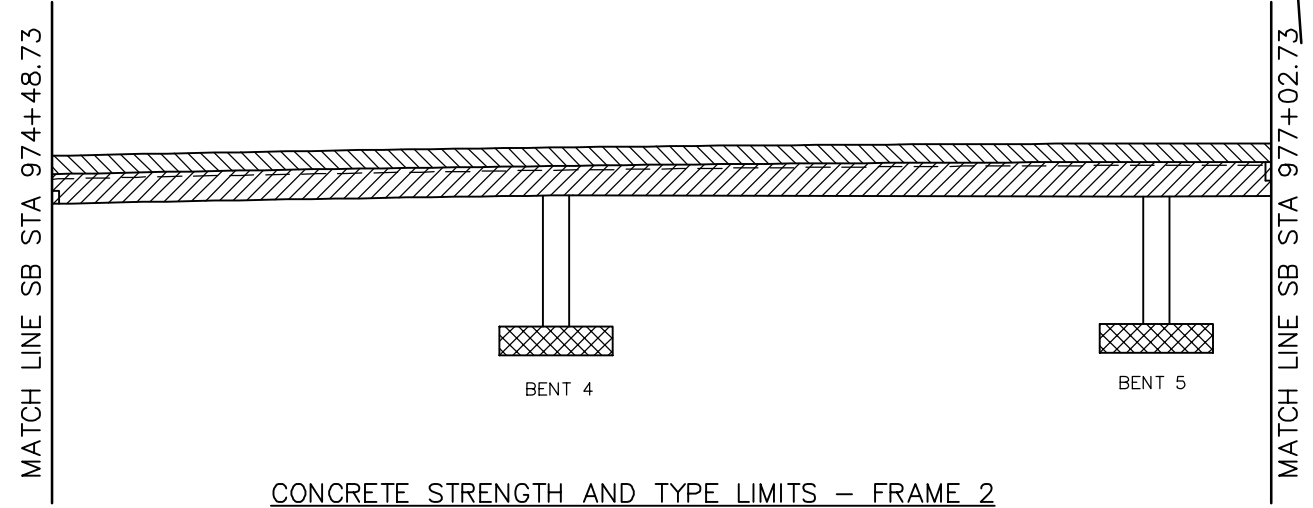
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

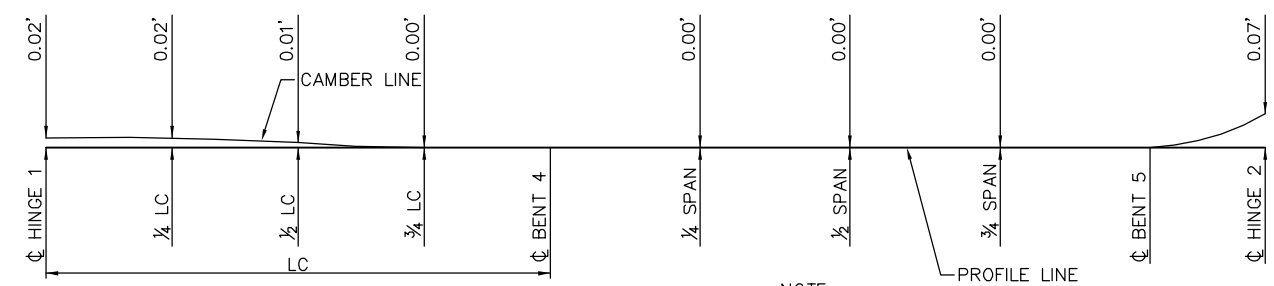
SHEET OF	
DRAWING NO.	SP342
REVISION	B



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 2
NTS



CAMBER DIAGRAM - FRAME 2
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE
ALLOWANCES FOR FALSEWORK SETTLEMENT

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

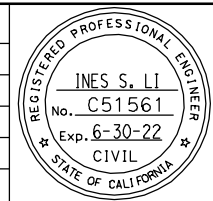
- LEGEND
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 2' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
2	625K	37K

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:11am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP343.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP343.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

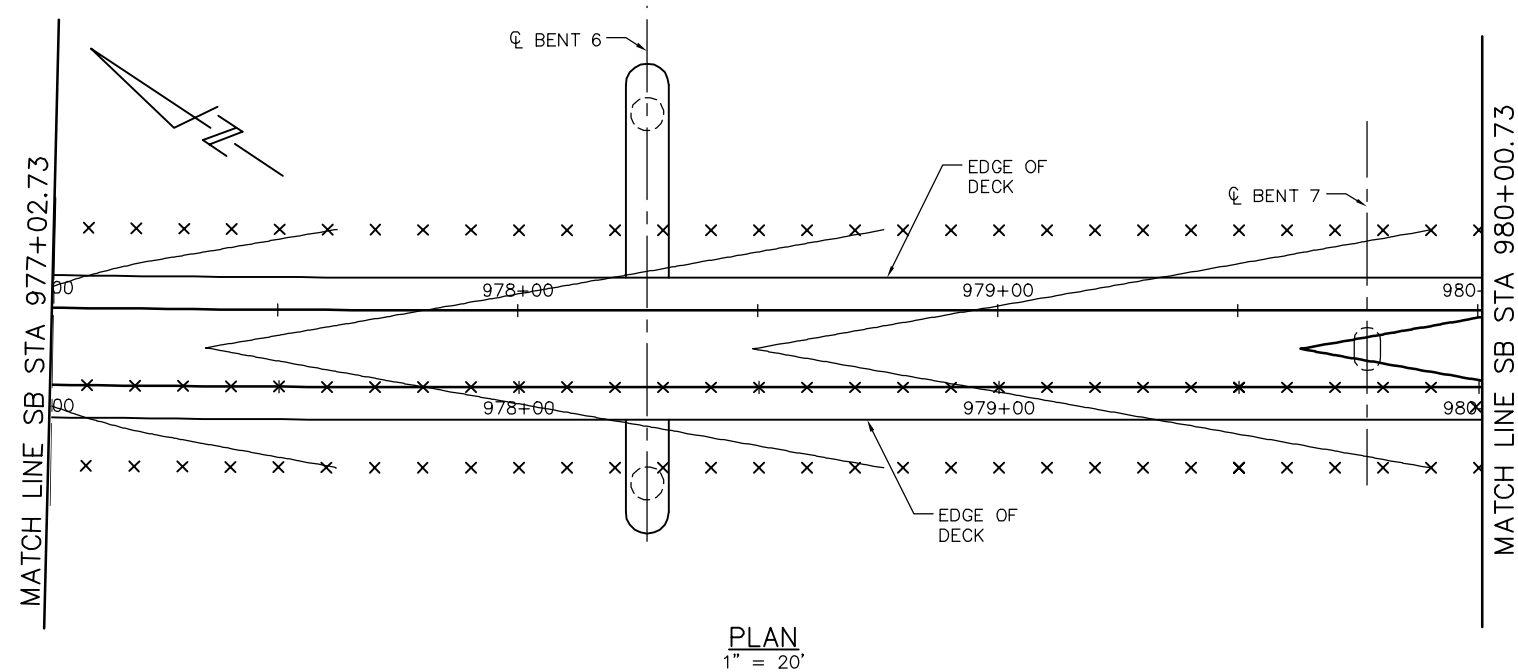
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP343
REVISION	B

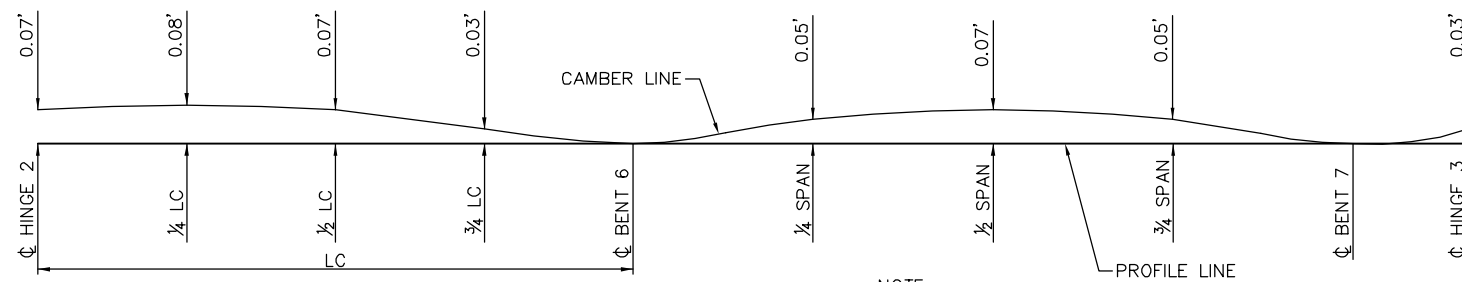
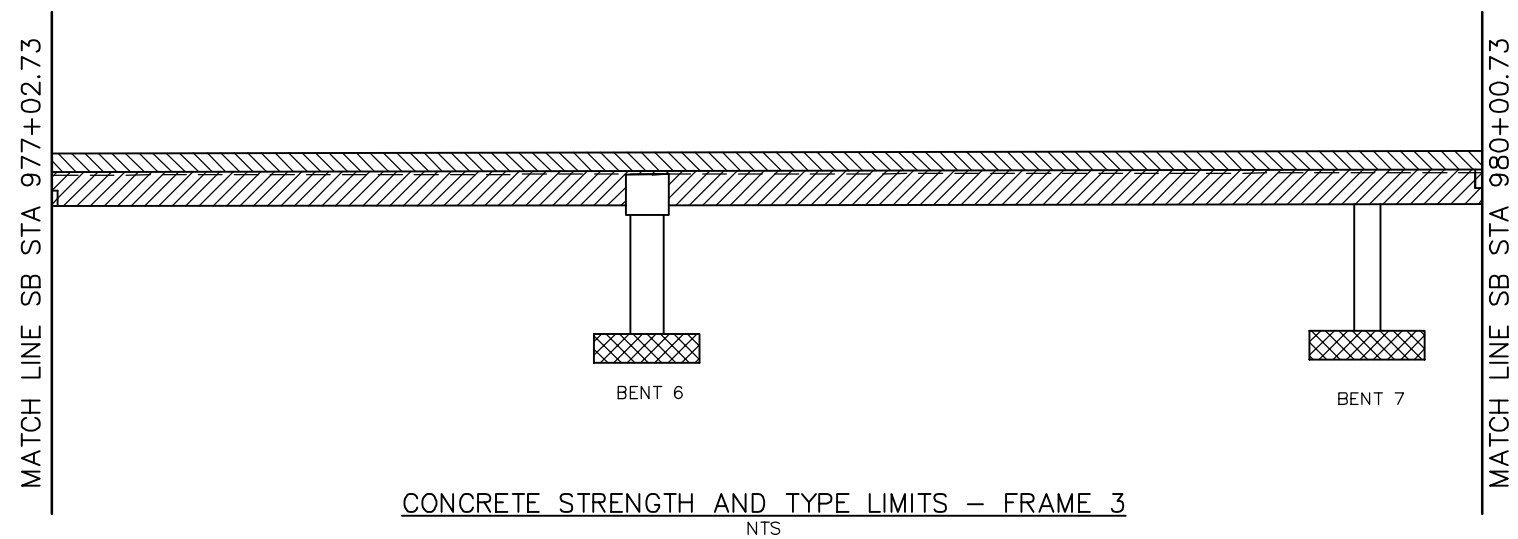


- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 3' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
3	634K	34K

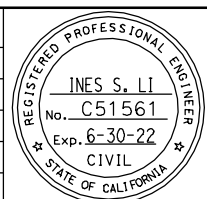


NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:12am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP344.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP344.dwg



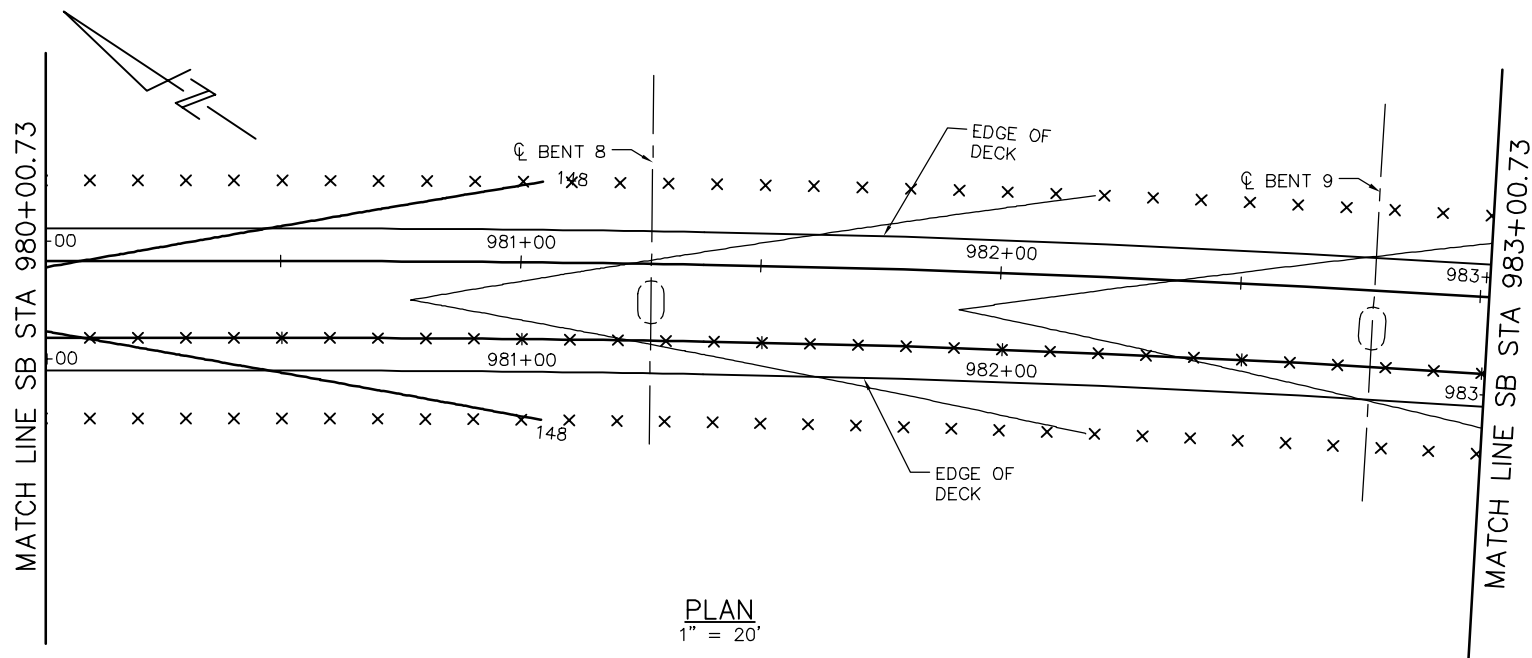
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY DECK CONTOURS - FRAME 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

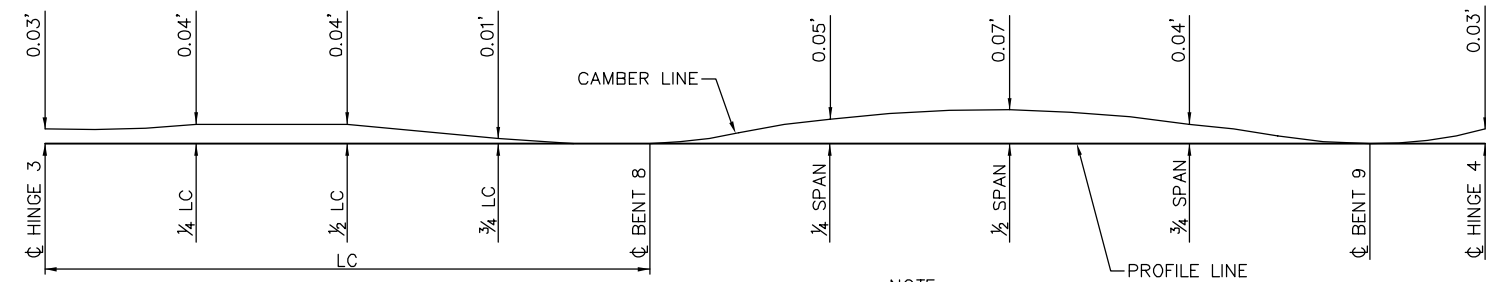
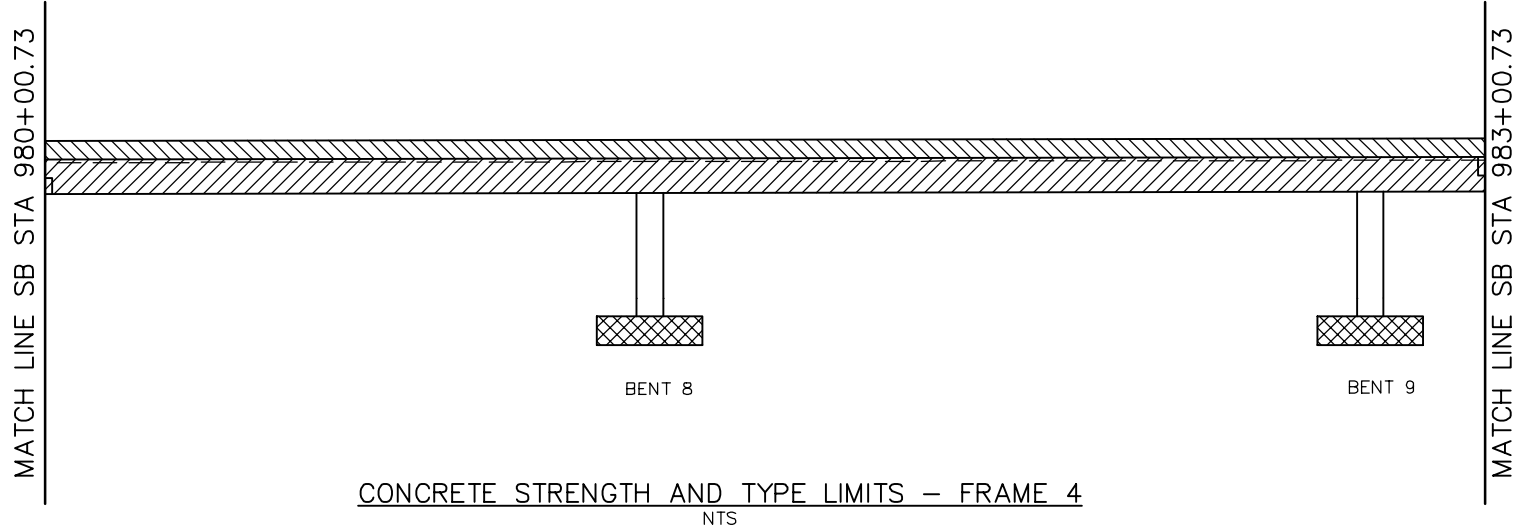
SHEET OF	DRAWING NO. SP344
REVISION	B



- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 4' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
4	647K	35K



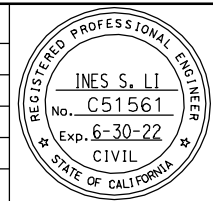
NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

CAMBER DIAGRAM - FRAME 4
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:13am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP345.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP345.dwg



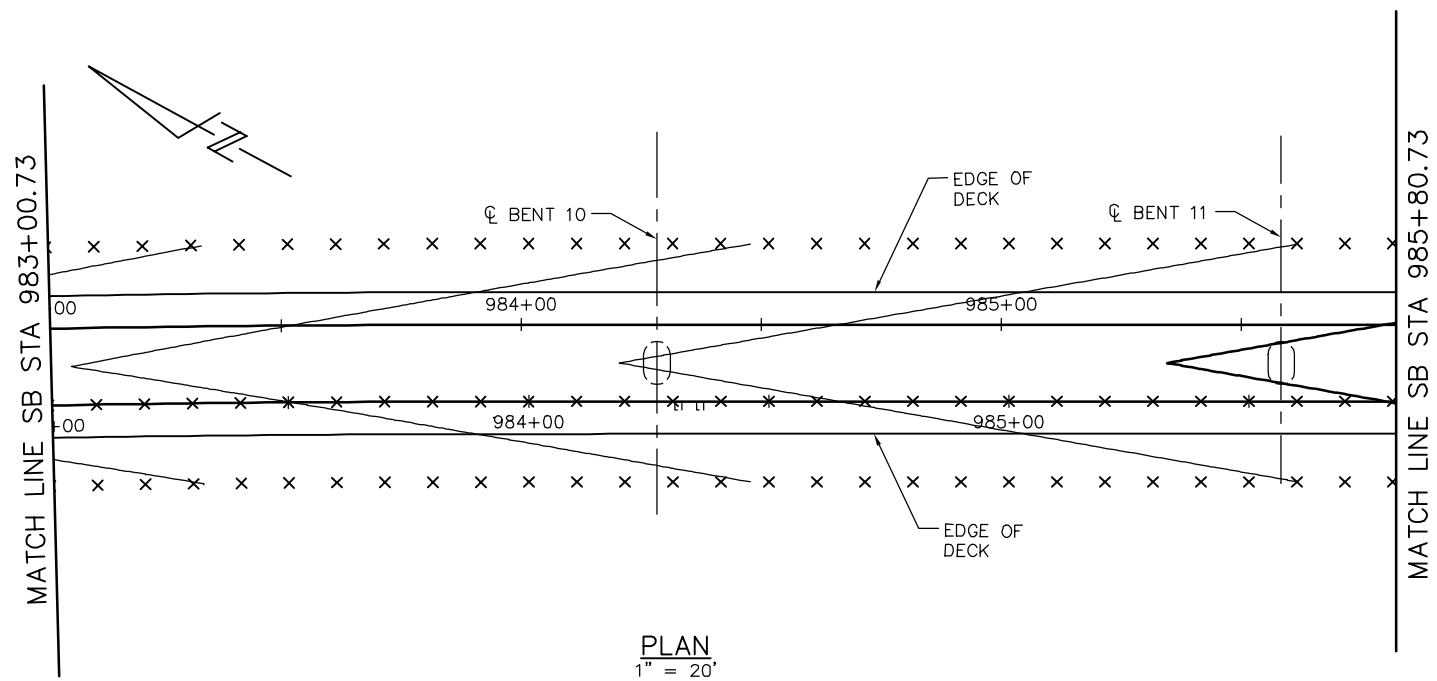
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 4

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

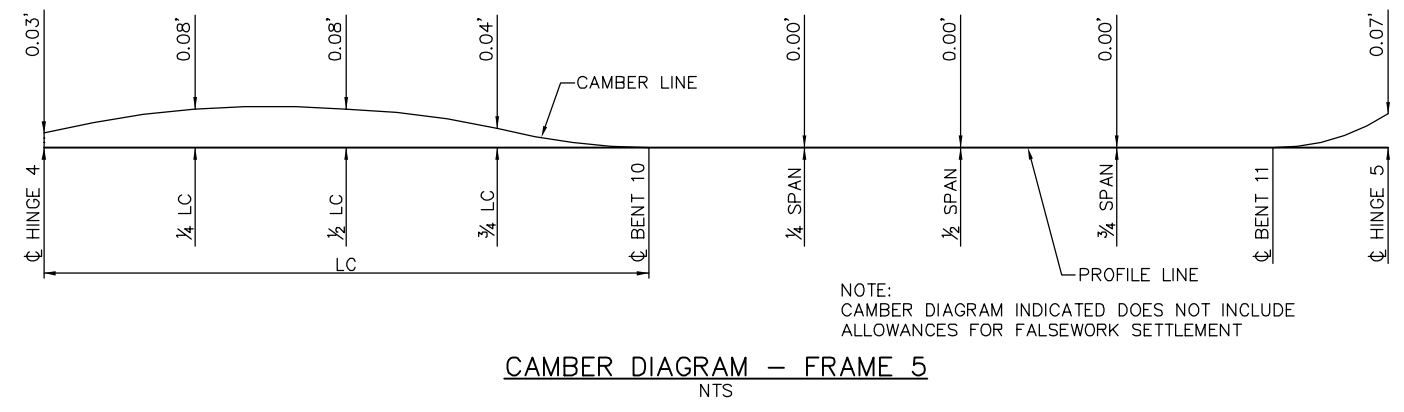
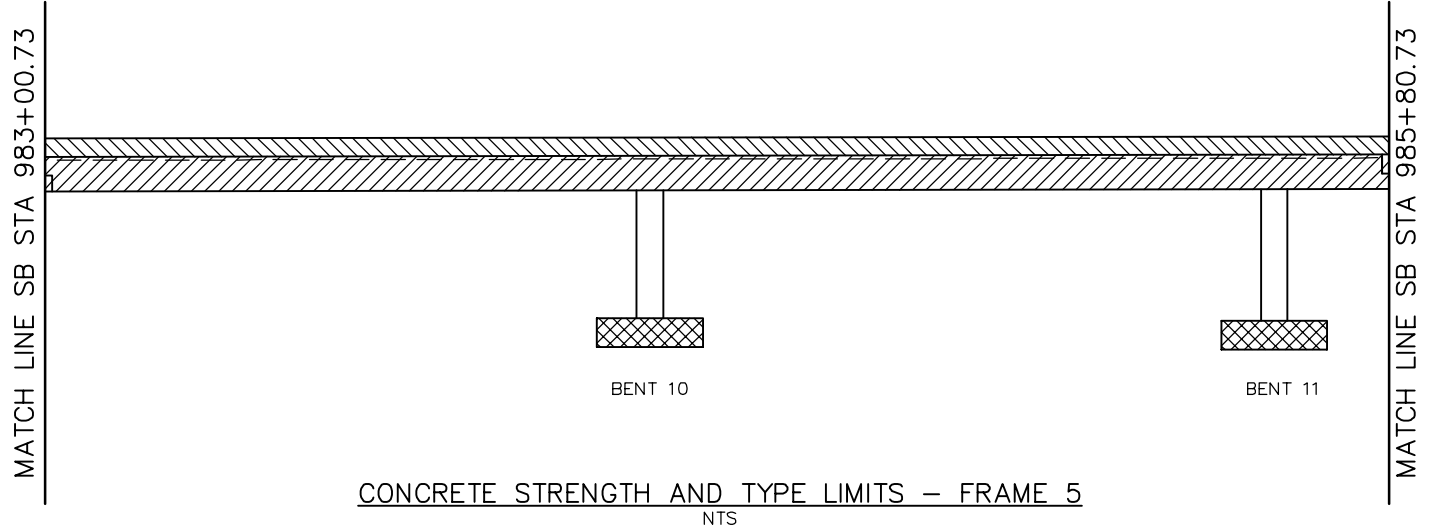
SHEET OF	DRAWING NO. SP345
REVISION	B



- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 5' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
5	626K	28K

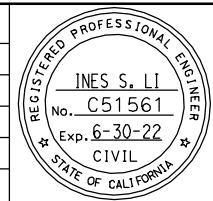


NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:13am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP346.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP346.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

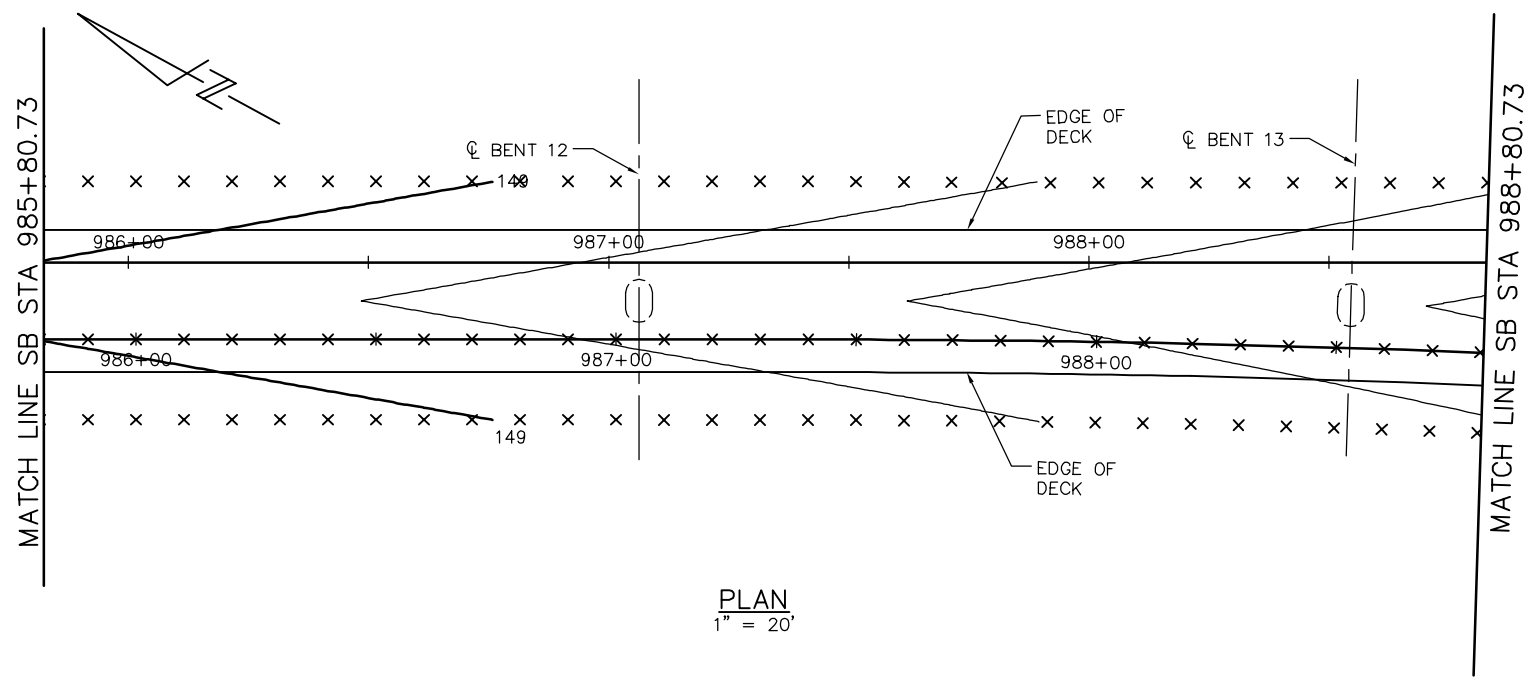
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 5

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP346
REVISION	B



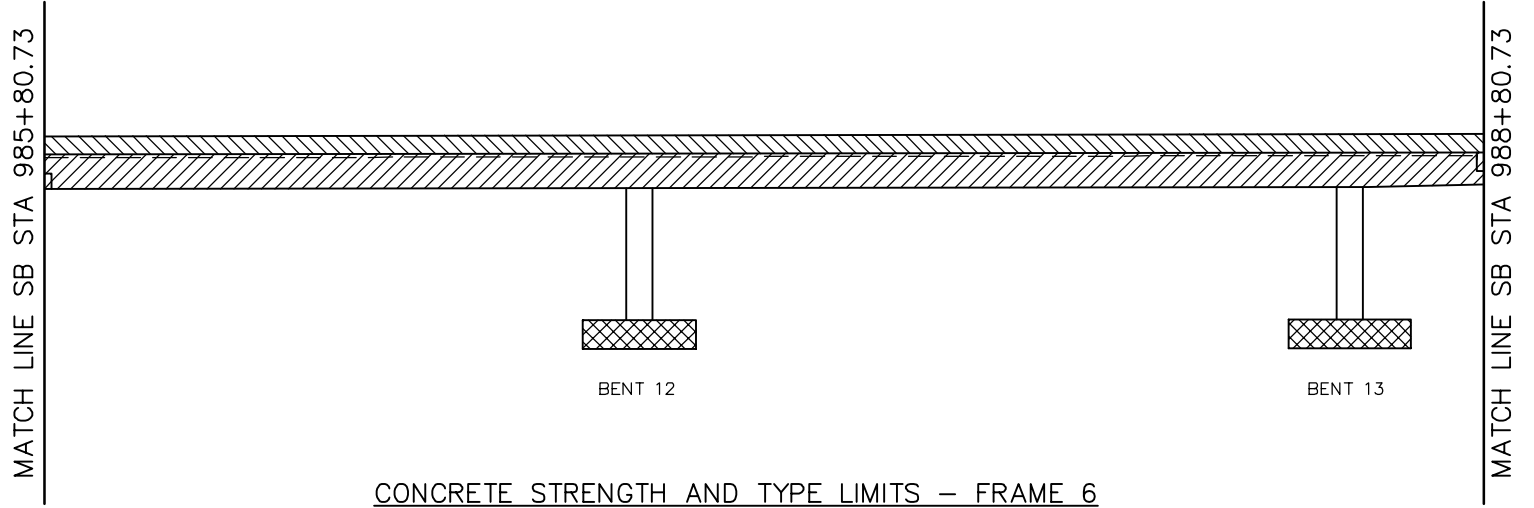
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

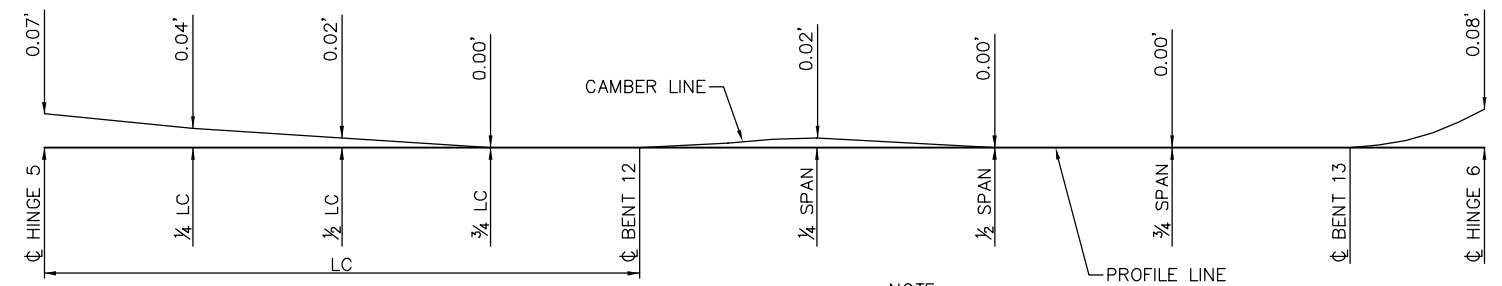
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 6' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
6	643K	34K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 6
NTS



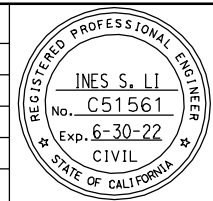
NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

CAMBER DIAGRAM - FRAME 6
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:14am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP347.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP347.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

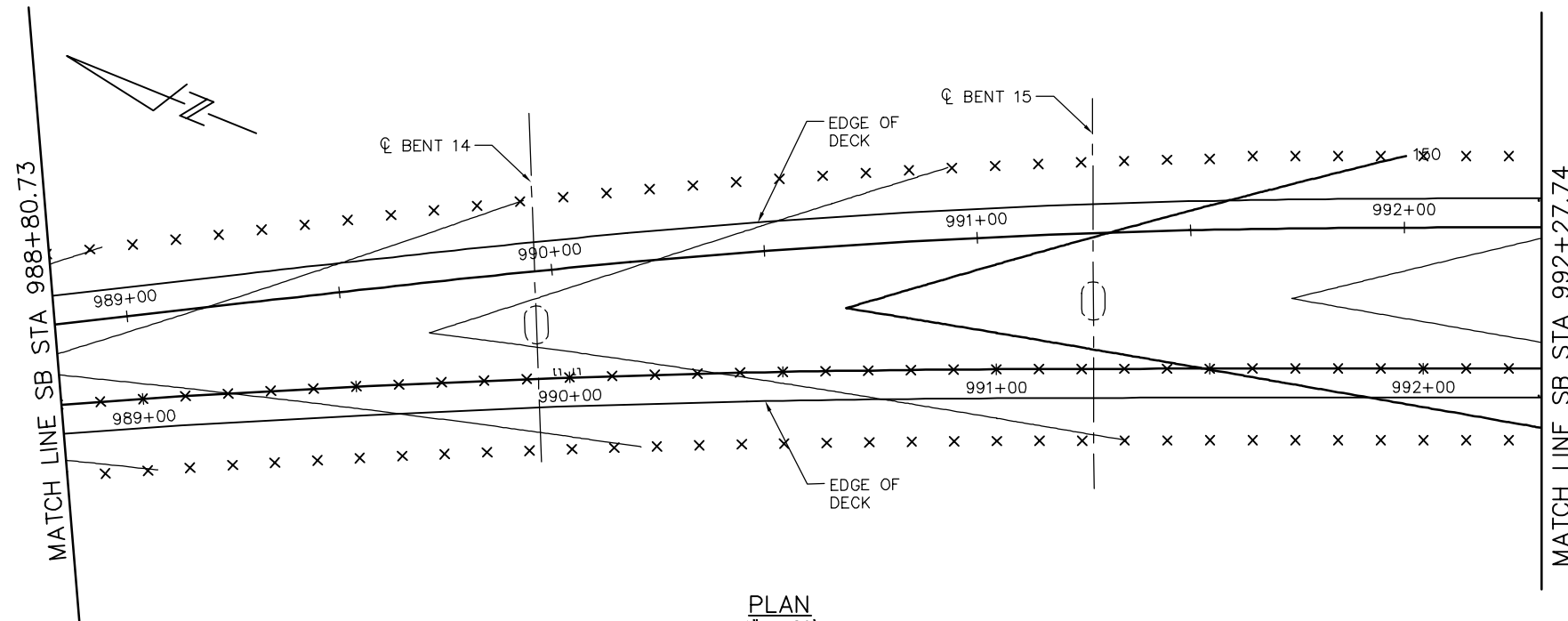
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 6

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP347
REVISION	B



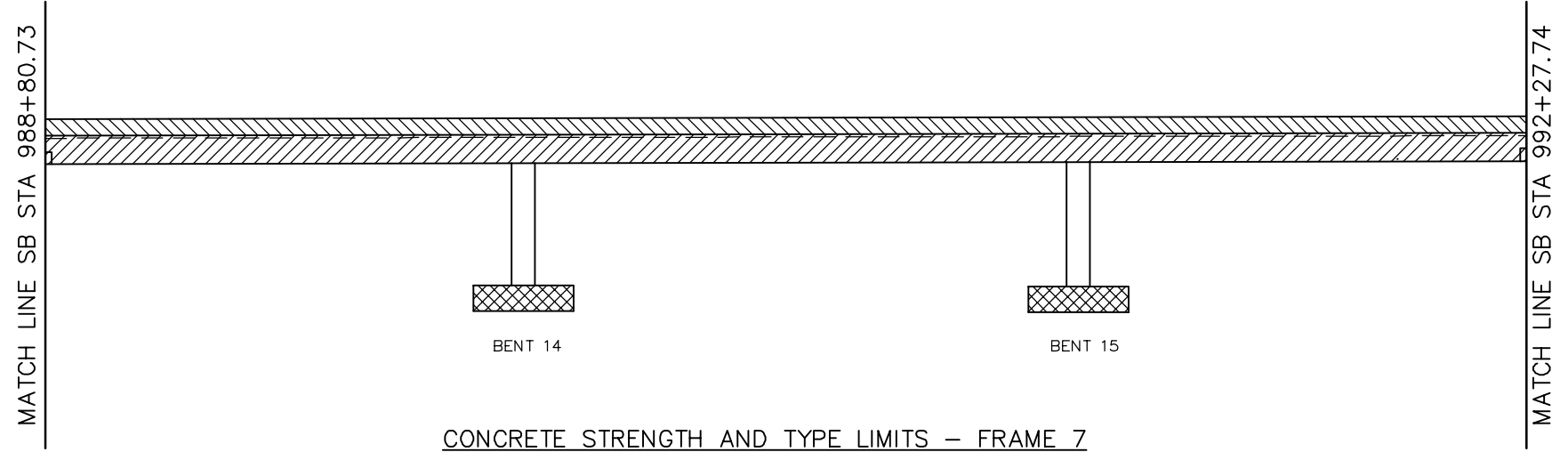
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

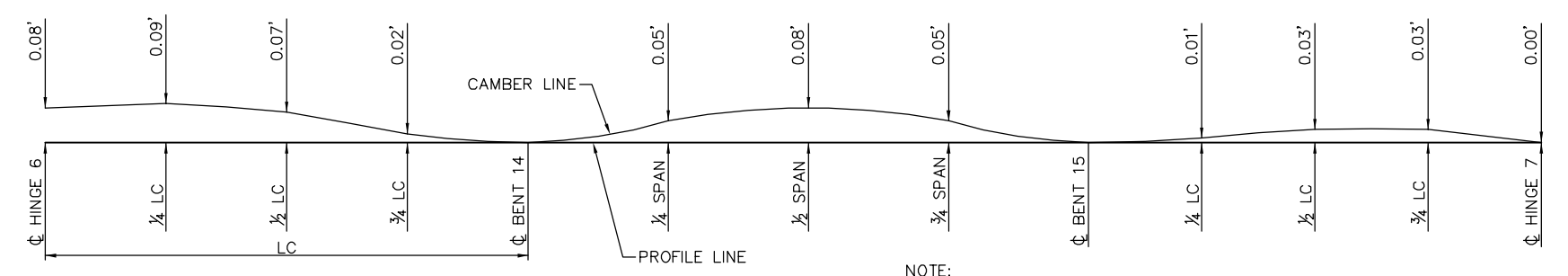
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 7' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
7	802K	25K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 7
NTS



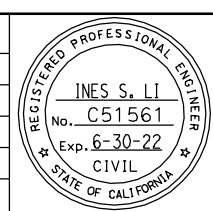
CAMBER DIAGRAM - FRAME 7
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:15am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP348.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP348.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 7

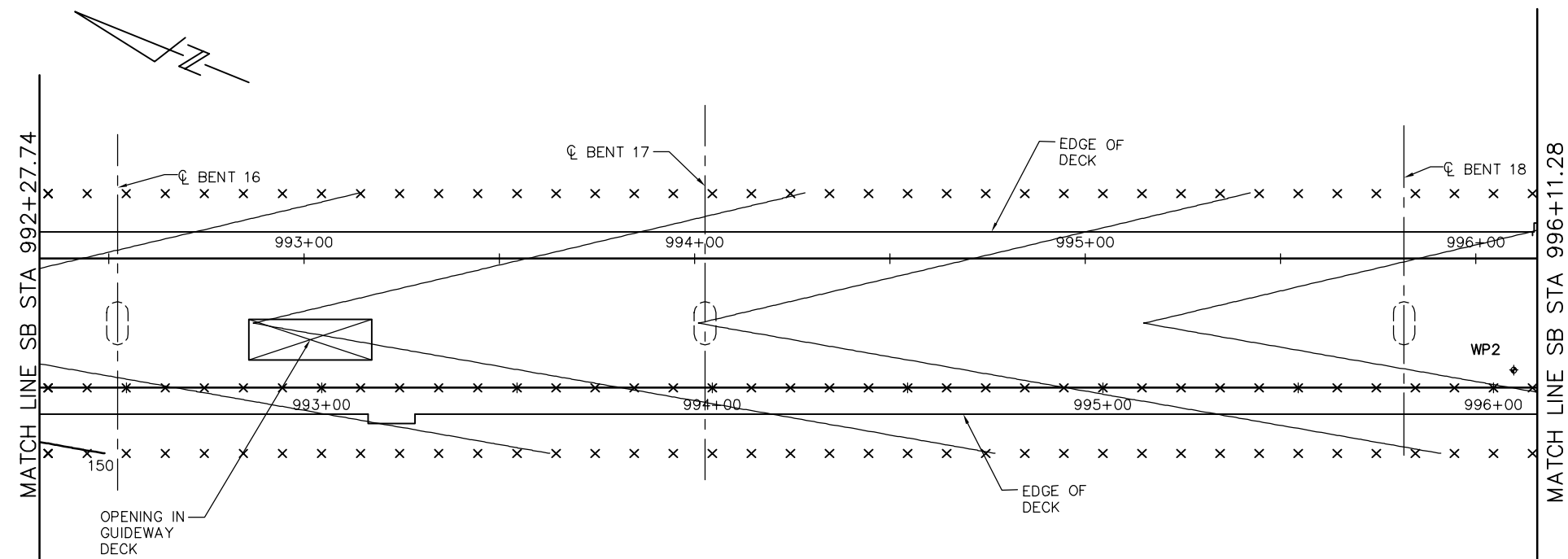
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP348
REVISION	B

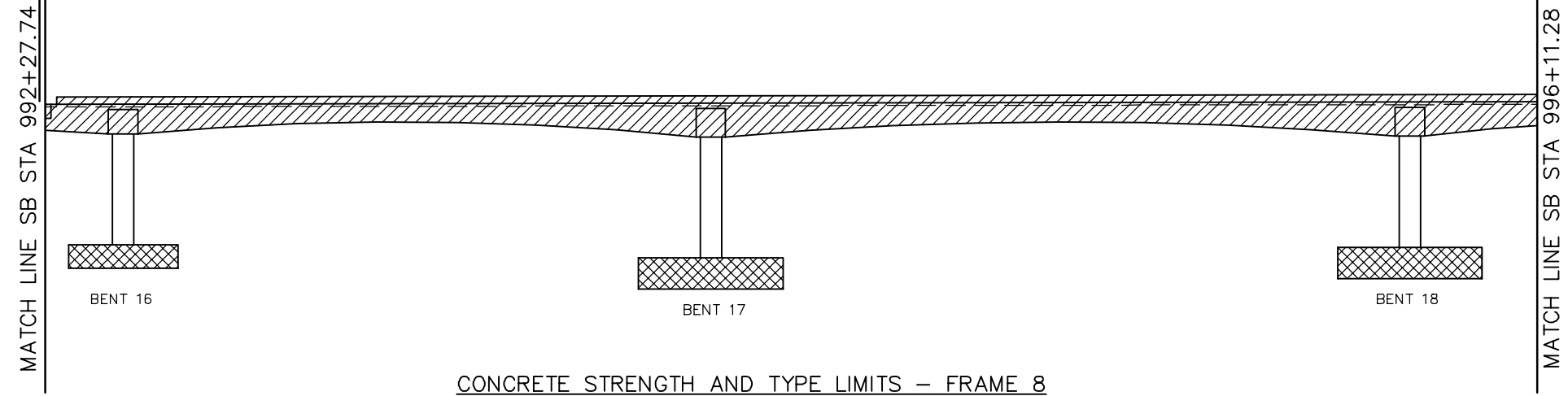
- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 8-2' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

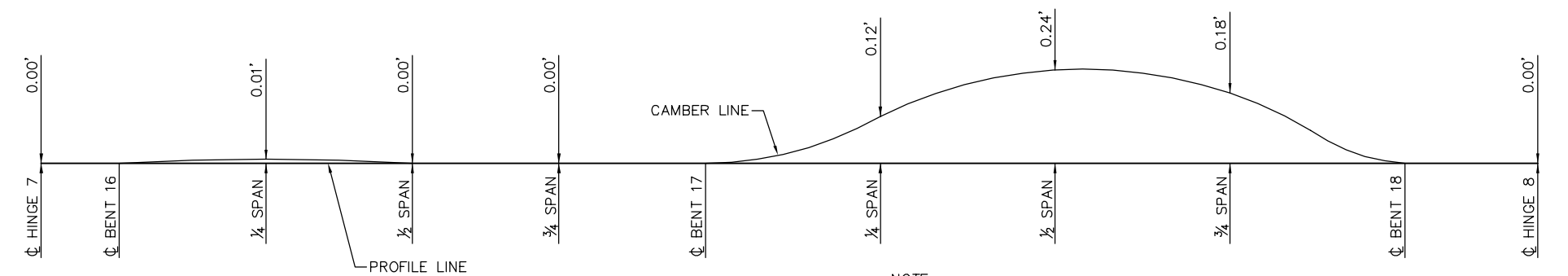
HINGE	DL REACTION	P/S REACTION
8	493K	48K



PLAN
NTS



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 8
NTS



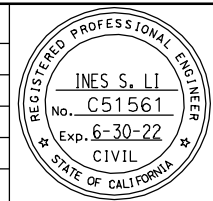
CAMBER DIAGRAM - FRAME 8
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:15am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP349.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

BCA

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP349.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 8

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP349
REVISION	B

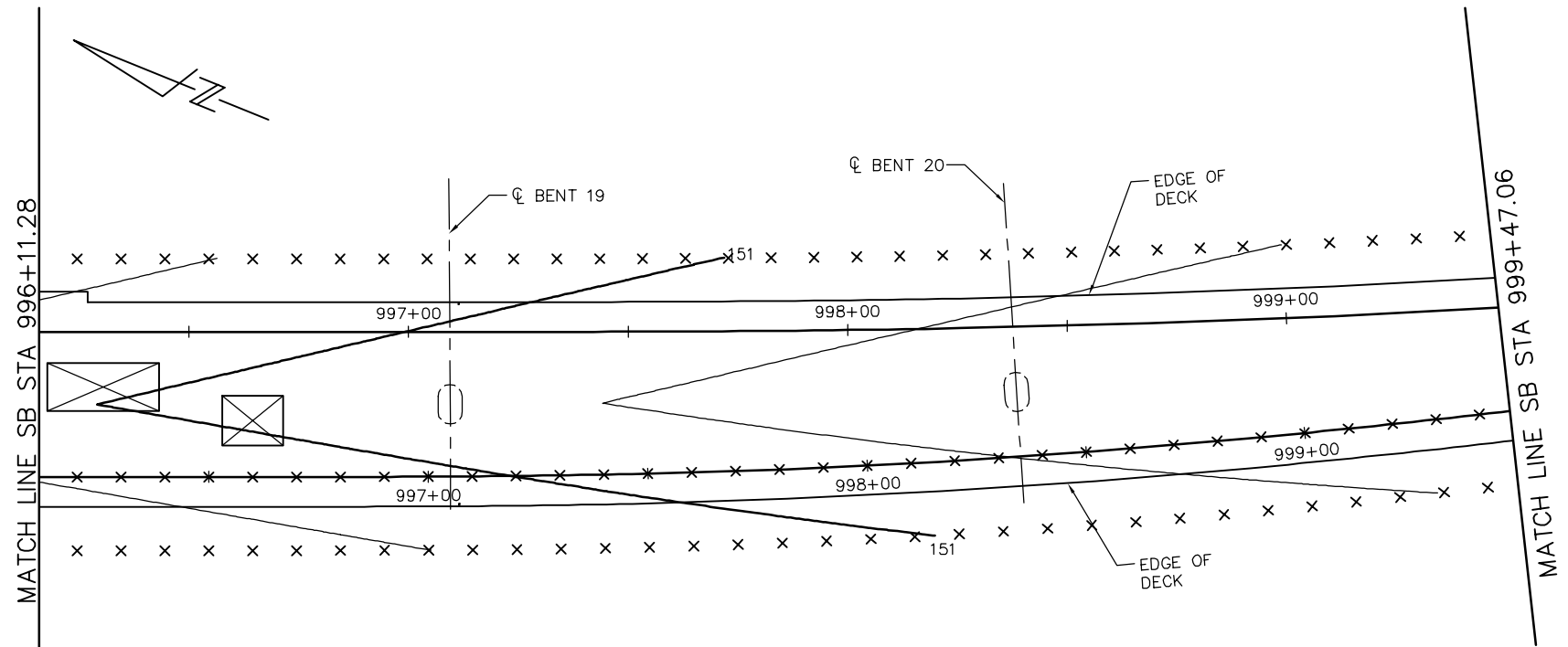
- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 9-2' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

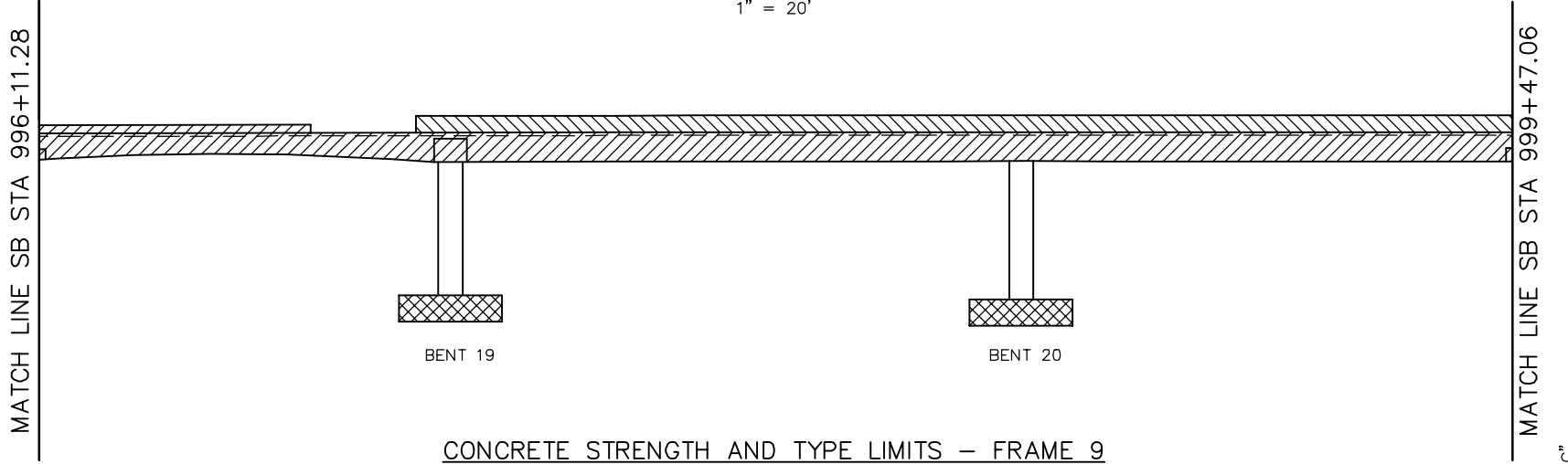
HINGE	DL REACTION	P/S REACTION
9	681K	38K

ELAPSED TIME MEASURED FROM PRESTRESSING THE SHORT CANTILEVER UNTIL LOAD TRANSFER OF LONG CANTILEVER	SPAN 20 HINGE 9				
	LONG CANTILEVER CAMBER (ft)			LONG CANTILEVER CAMBER "LC" (ft)	SHORT CANTILEVER CAMBER "SC" (ft)
	1/4 LC	1/2 LC	3/4 LC		
30 DAYS	0.02	0.06	0.10	0.13	0.12
60 DAYS	0.02	0.06	0.10	0.12	0.11
90 DAYS	0.02	0.06	0.09	0.12	0.10
120 DAYS	0.02	0.05	0.09	0.11	0.09
180 DAYS	0.02	0.05	0.09	0.11	0.09
240 DAYS	0.02	0.05	0.09	0.11	0.09
360 DAYS	0.02	0.05	0.09	0.11	0.09
720 DAYS	0.02	0.05	0.09	0.11	0.09

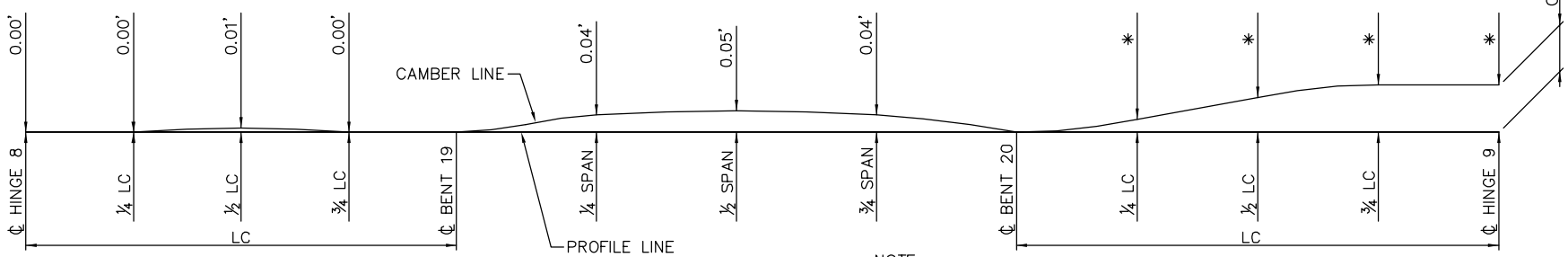
- NOTES:**
1. CAMBER DIAGRAM DOES NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT.
 2. FOR CAMBER "SC" AND CAMBER "LC" VALUES ALONG THE LONG CANTILEVER. SEE "TIME DEPENDANT CAMBER TABLE".
- * DENOTES TIME DEPENDANT CAMBER VALUES ALONG THE LONG CANTILEVER. SEE "TIME DEPENDANT CAMBER TABLE".



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 9
NTS

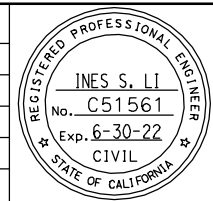


CAMBER DIAGRAM - FRAME 9
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:16am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP350.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

BCA

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP350.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

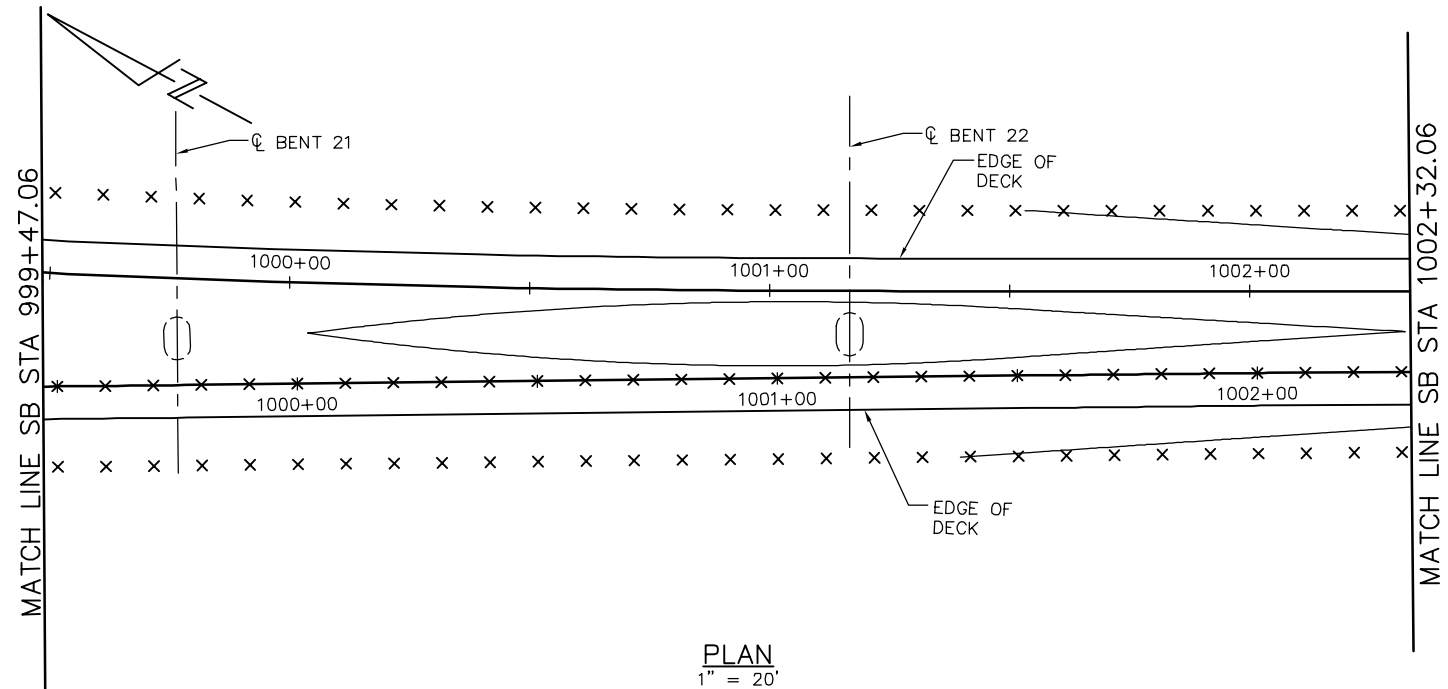
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

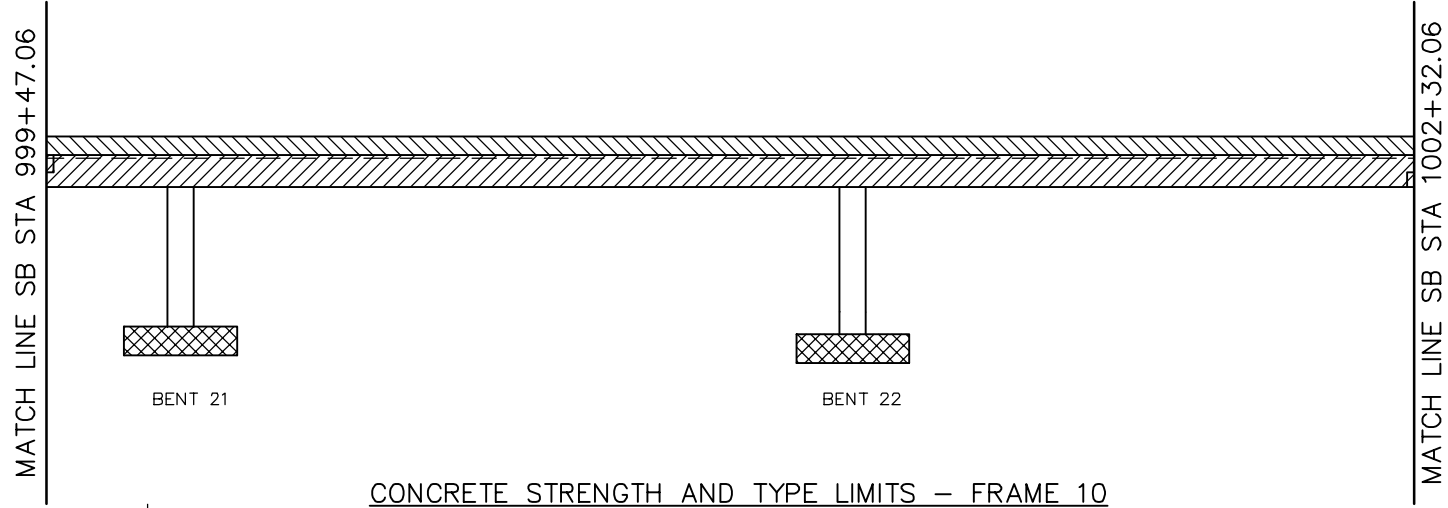
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 9

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

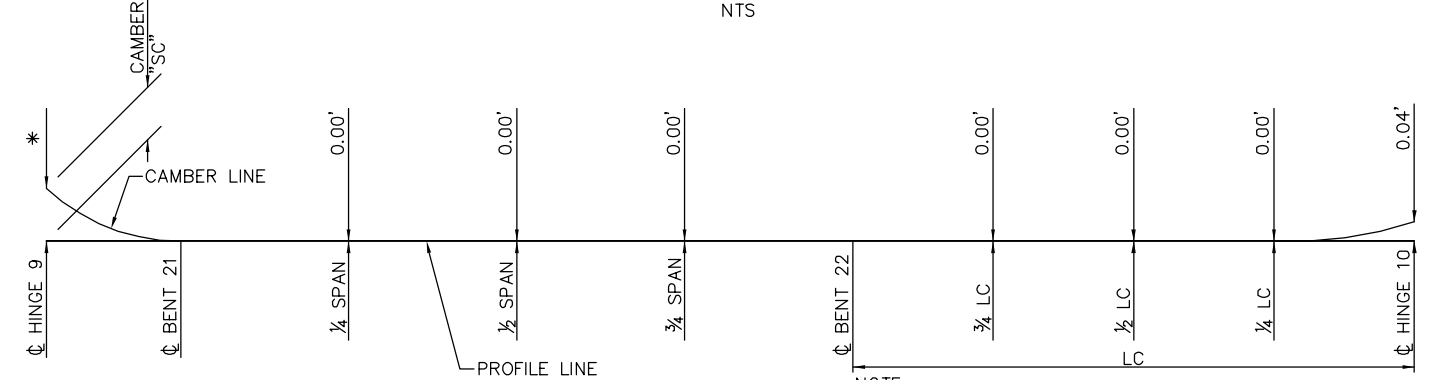
SHEET OF	DRAWING NO. SP350
REVISION	B



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 10
NTS



CAMBER DIAGRAM - FRAME 10
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 10' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

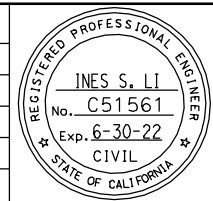
HINGE	DL REACTION	P/S REACTION
10	584K	39K

- NOTES:
1. CAMBER DIAGRAM DOES NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT.
 2. FOR CAMBER "SC" AND CAMBER "LC" VALUES ALONG THE LONG CANTILEVER. SEE "TIME DEPENDANT CAMBER TABLE".
- * DENOTES TIME DEPENDANT CAMBER VALUES ALONG THE LONG CANTILEVER. SEE "TIME DEPENDANT CAMBER TABLE".

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:16am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP351.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP351.dwg

Santa Clara Valley
Transportation
Authority

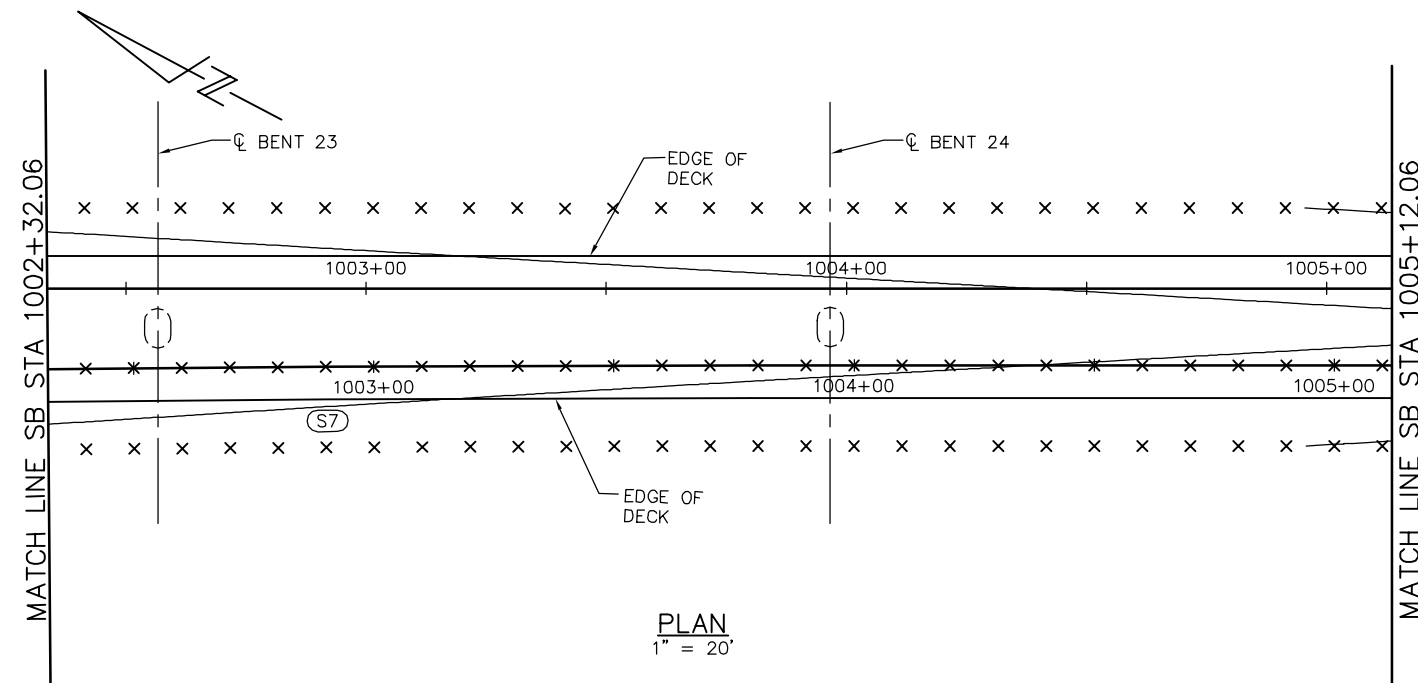
APPROVED

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 10

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SP351
REVISION	B

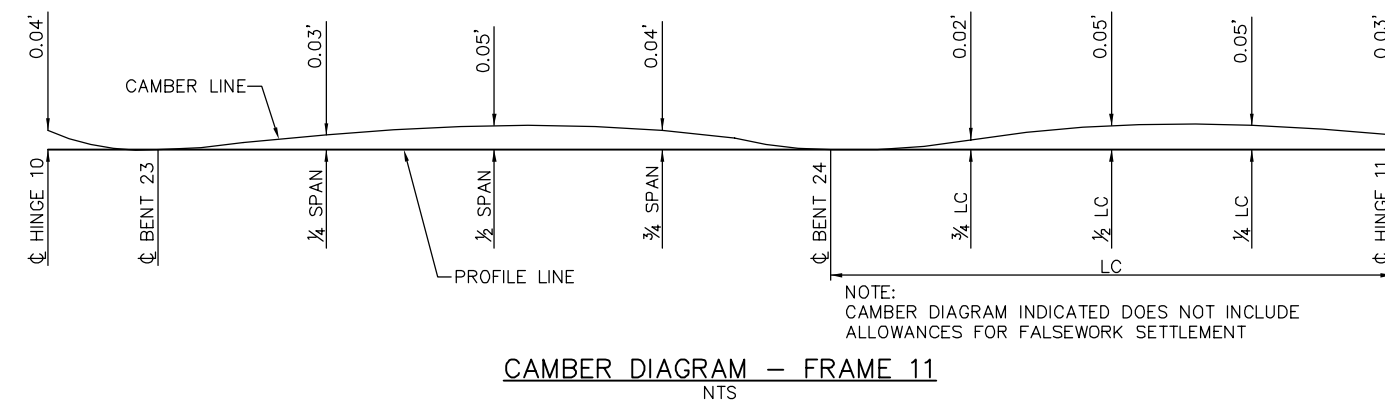
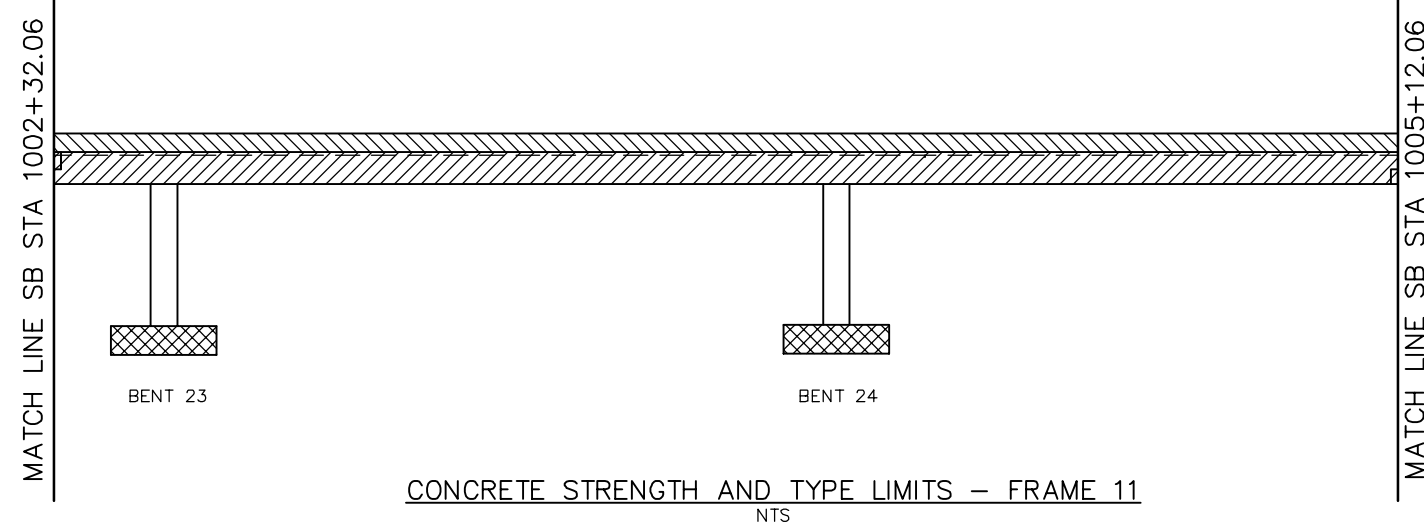


- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 11' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

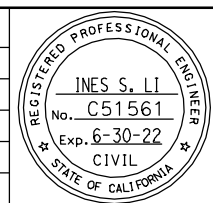
HINGE	DL REACTION	P/S REACTION
11	574K	26K



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:17am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP352.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP352.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

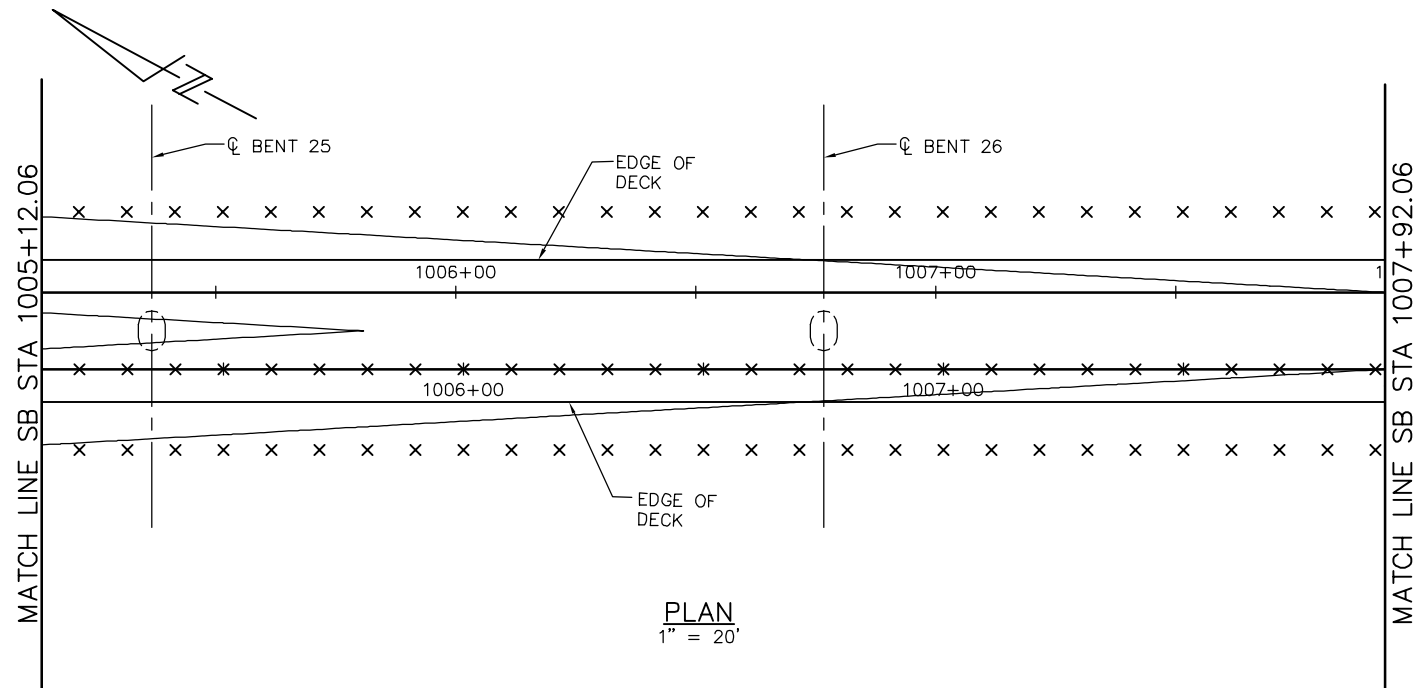
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 11

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

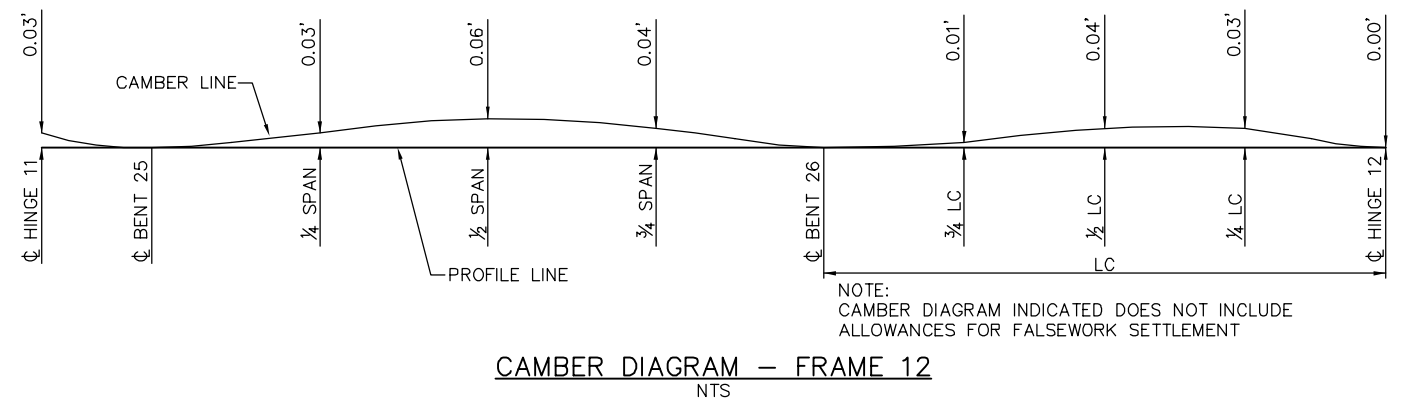
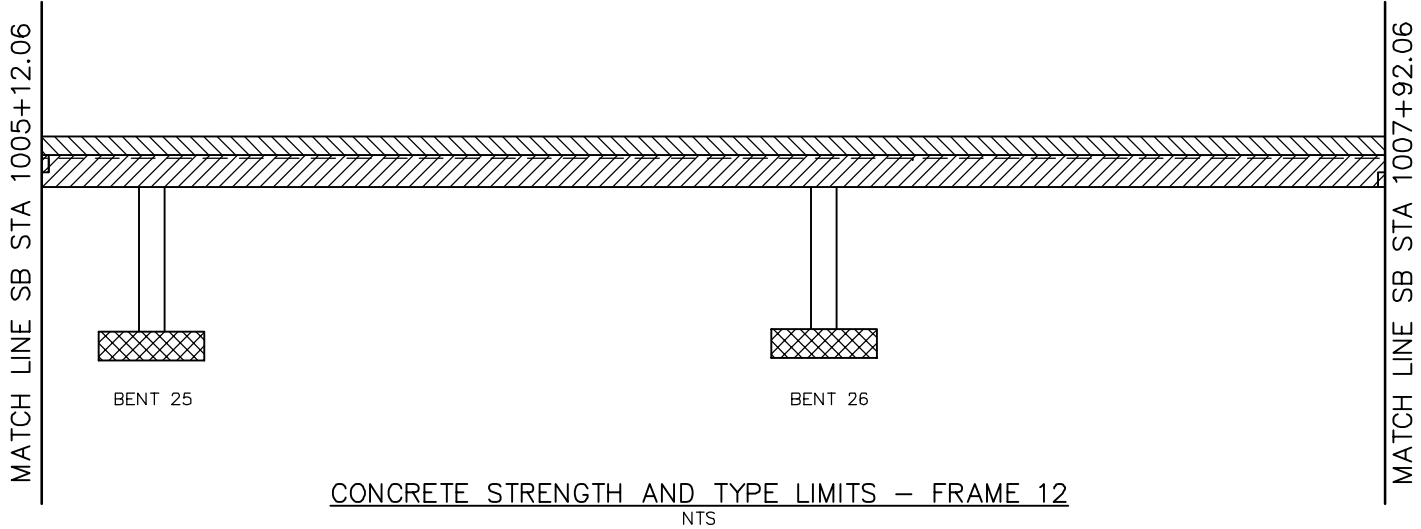
SHEET OF	DRAWING NO. SP352
REVISION	B



- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 12' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
12	577K	26K

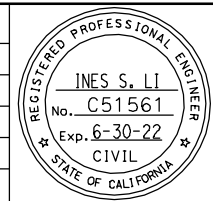


NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:18am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP353.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP353.dwg

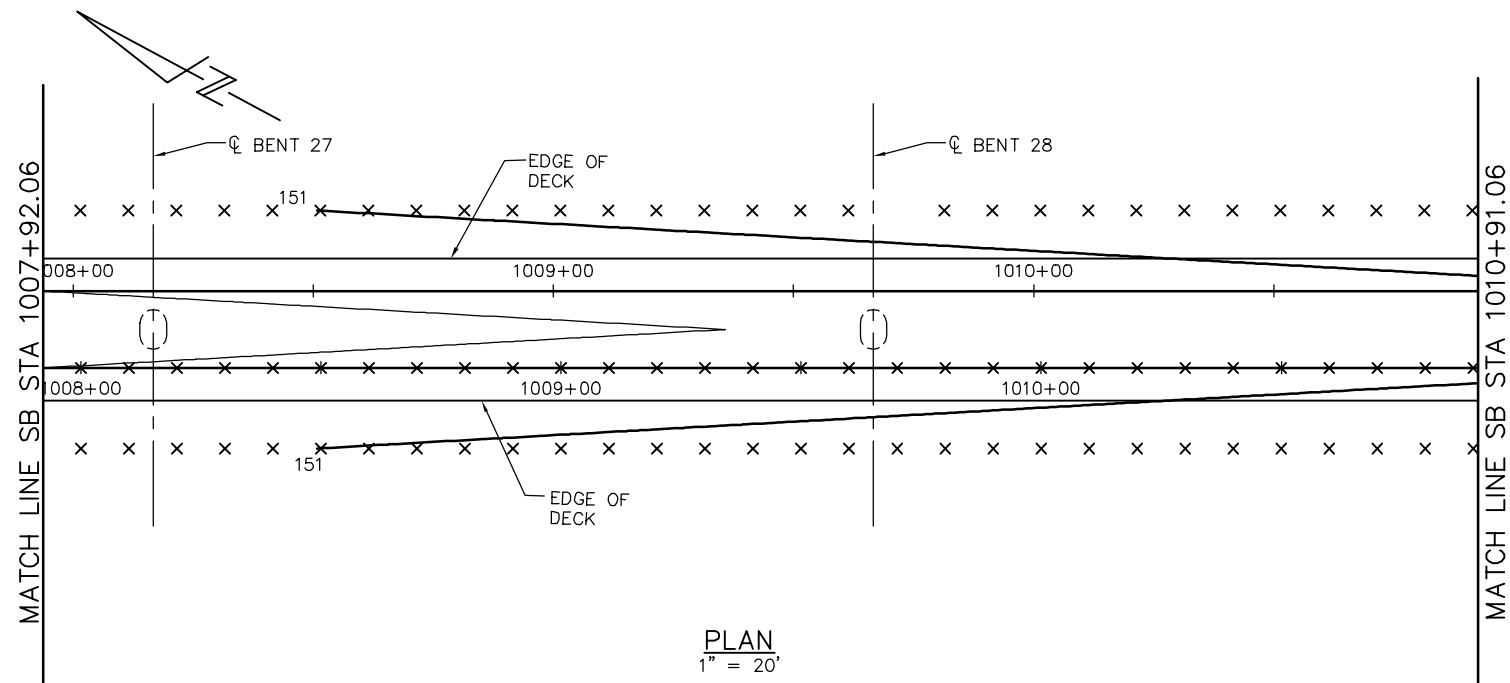
APPROVED

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 12

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP353
REVISION	B

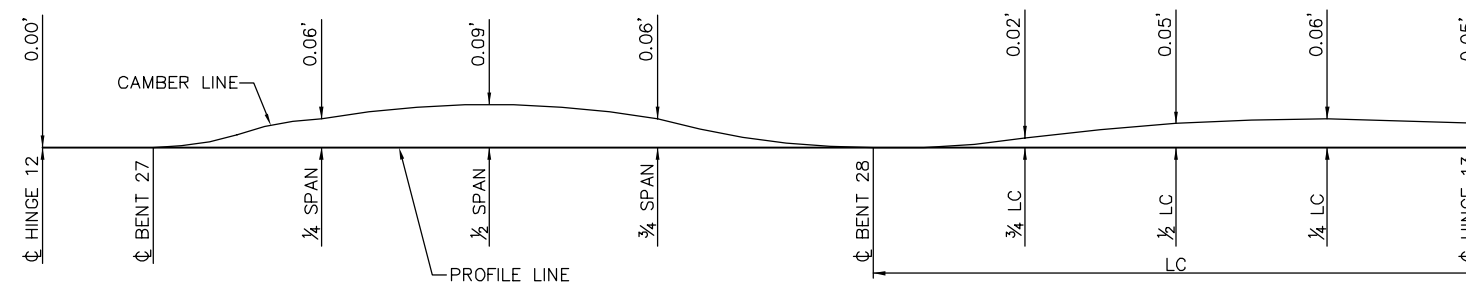
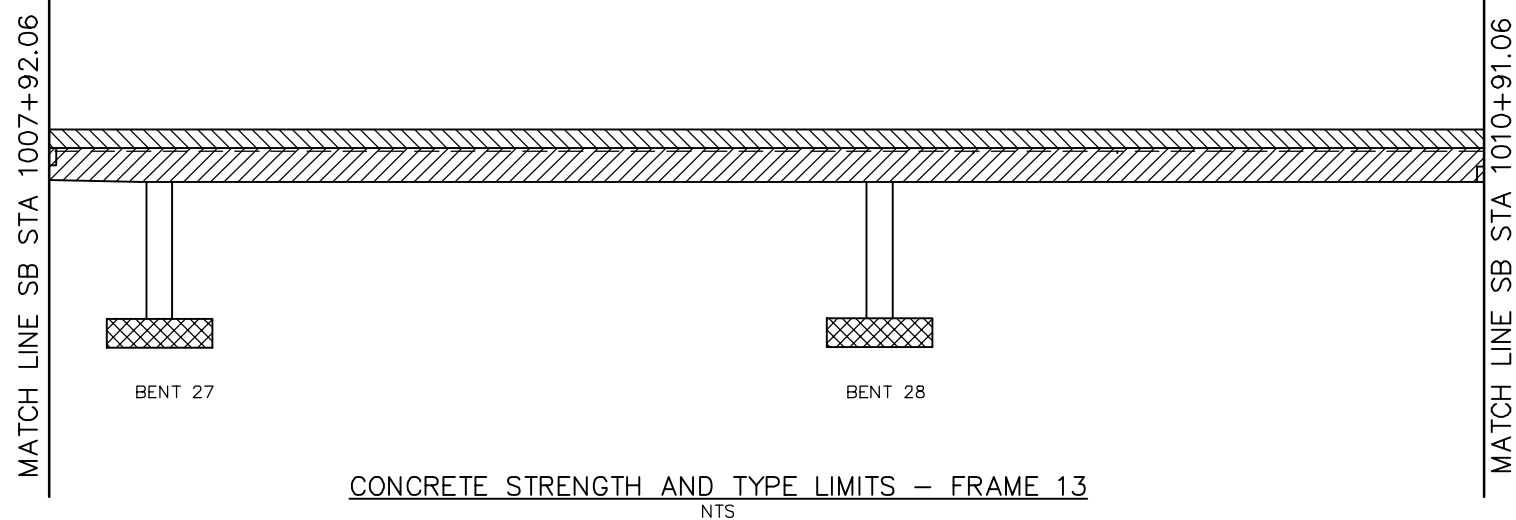


- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 13' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
13	635K	29K

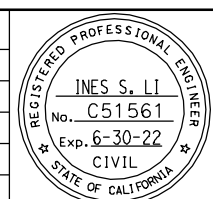


NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:18am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP354.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP354.dwg

Santa Clara Valley Transportation Authority

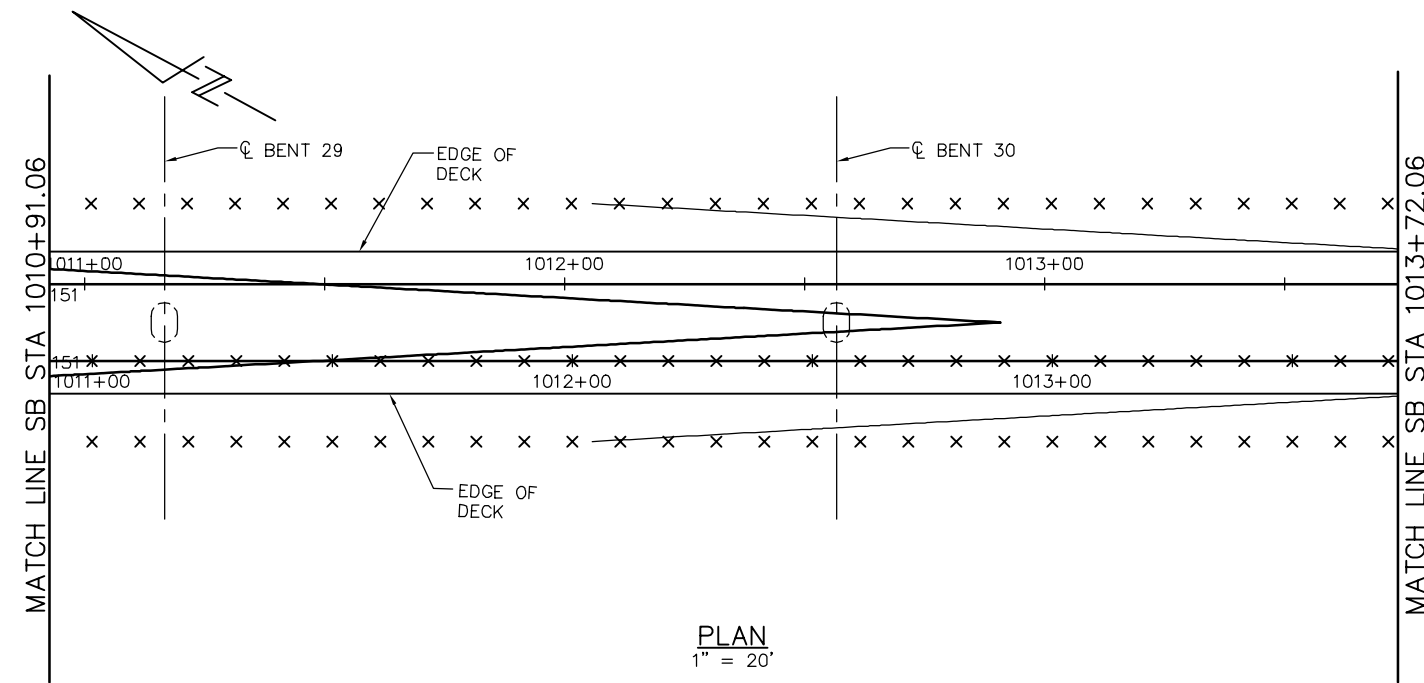
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 13

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP354
REVISION	B



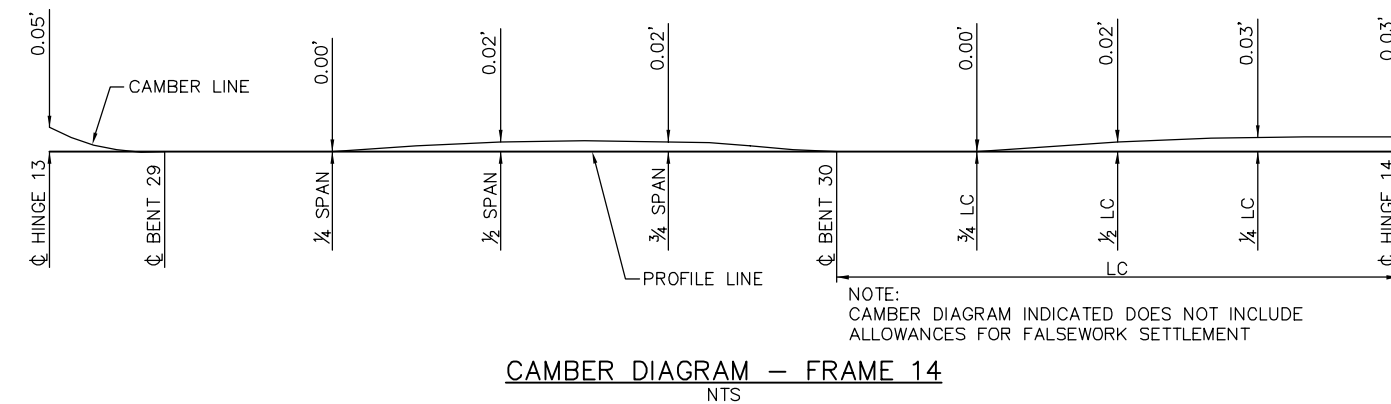
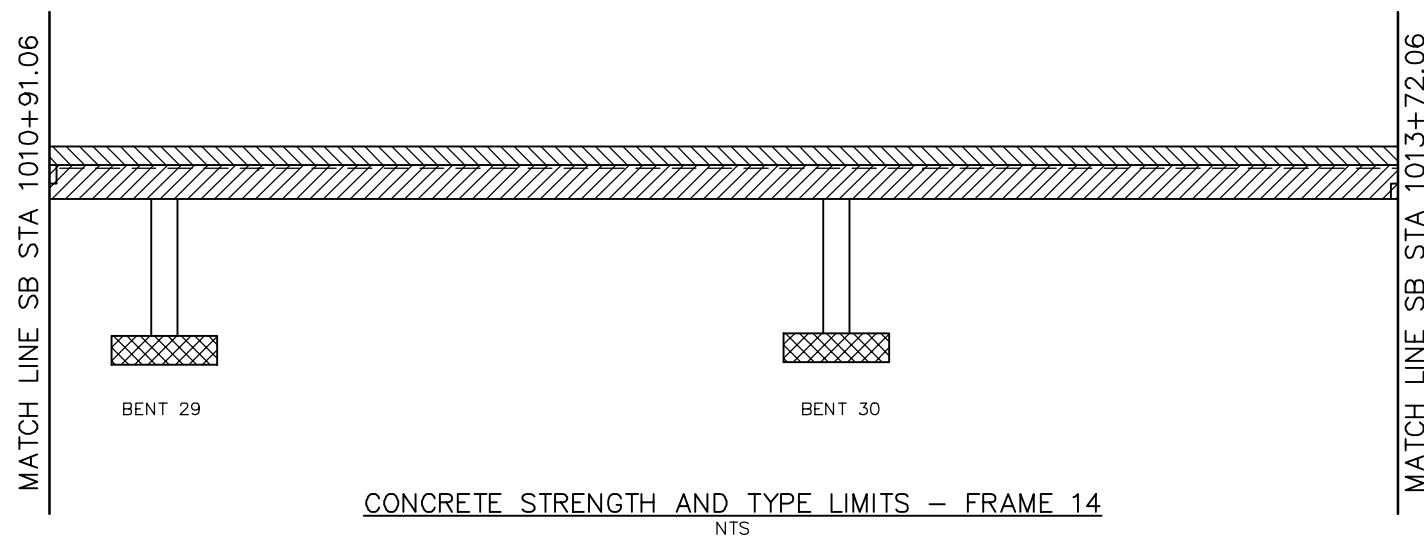
DECK CONTOUR NOTES:

1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 14' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

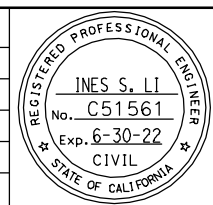
HINGE	DL REACTION	P/S REACTION
14	596K	28K



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:19am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP355.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP355.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

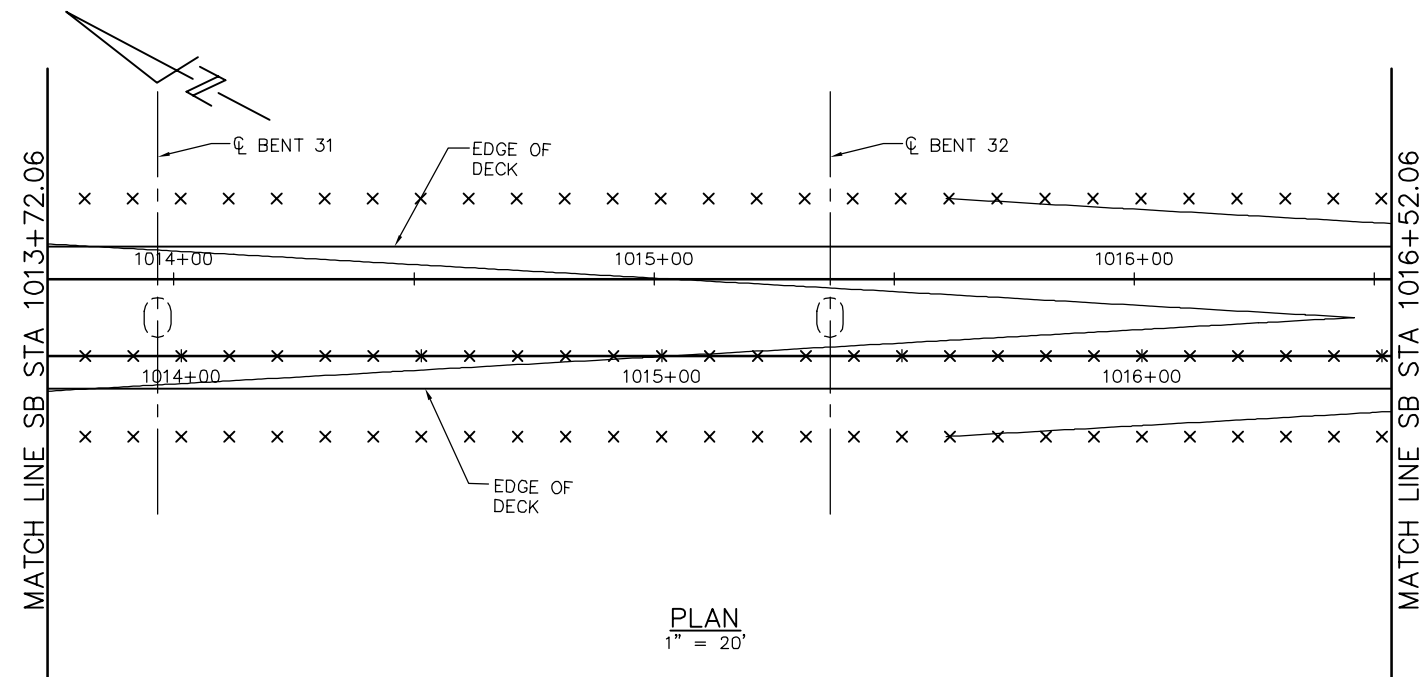
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

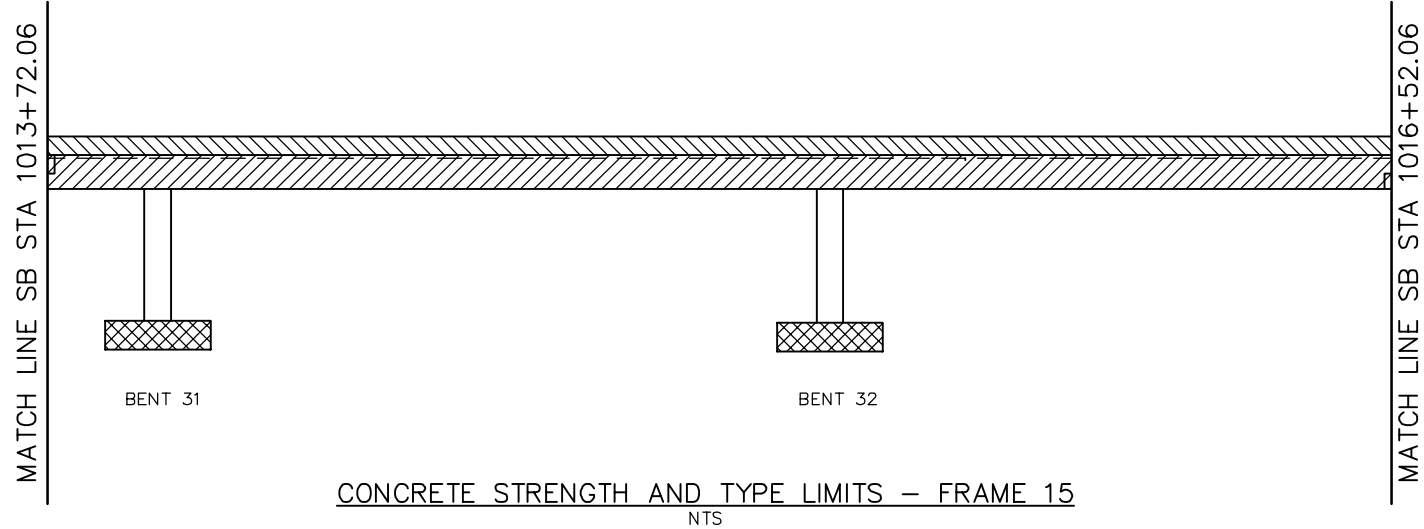
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 14

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

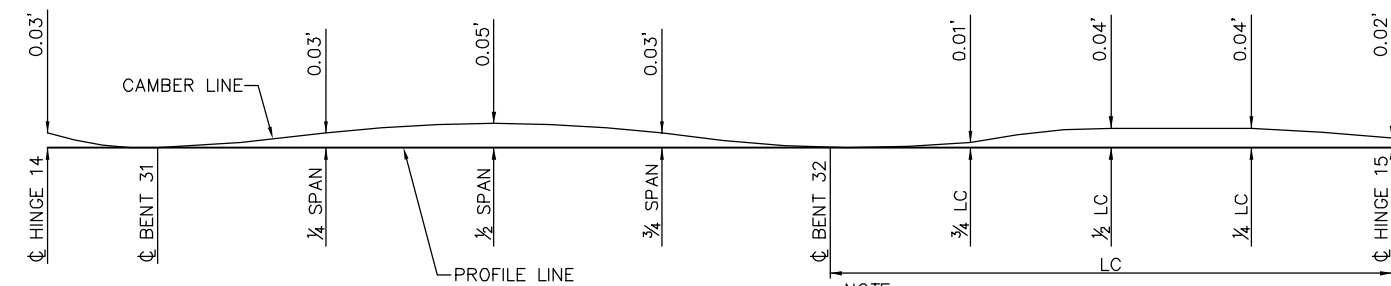
SHEET OF	DRAWING NO. SP355
REVISION	B



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 15
NTS



CAMBER DIAGRAM - FRAME 15
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE
ALLOWANCES FOR FALSEWORK SETTLEMENT

DECK CONTOUR NOTES:

1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

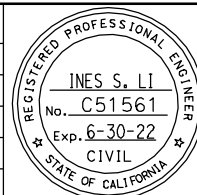
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 15' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
15	597K	25K

SMH Jun 21, 2020 - 8:19am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP356.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP356.dwg



APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

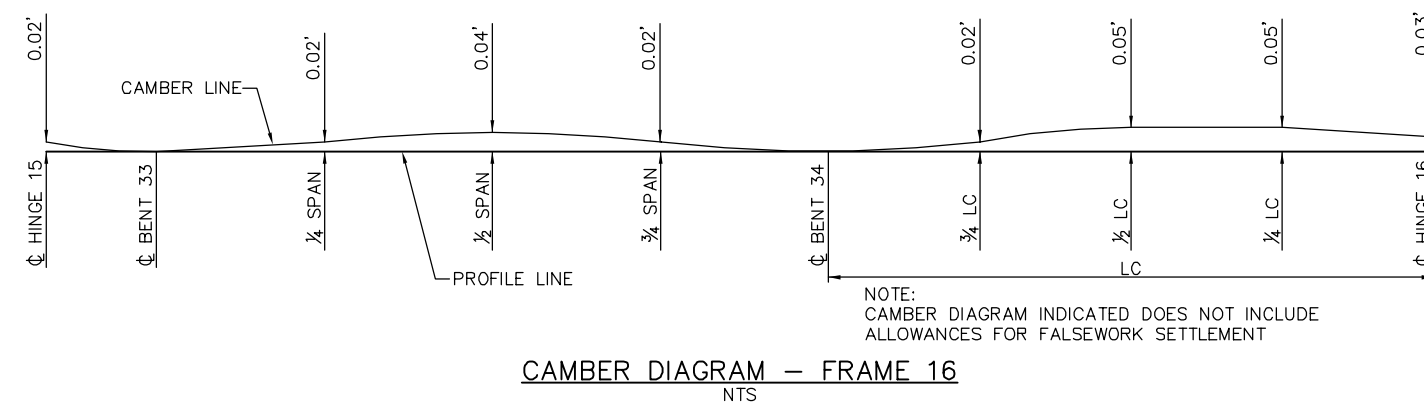
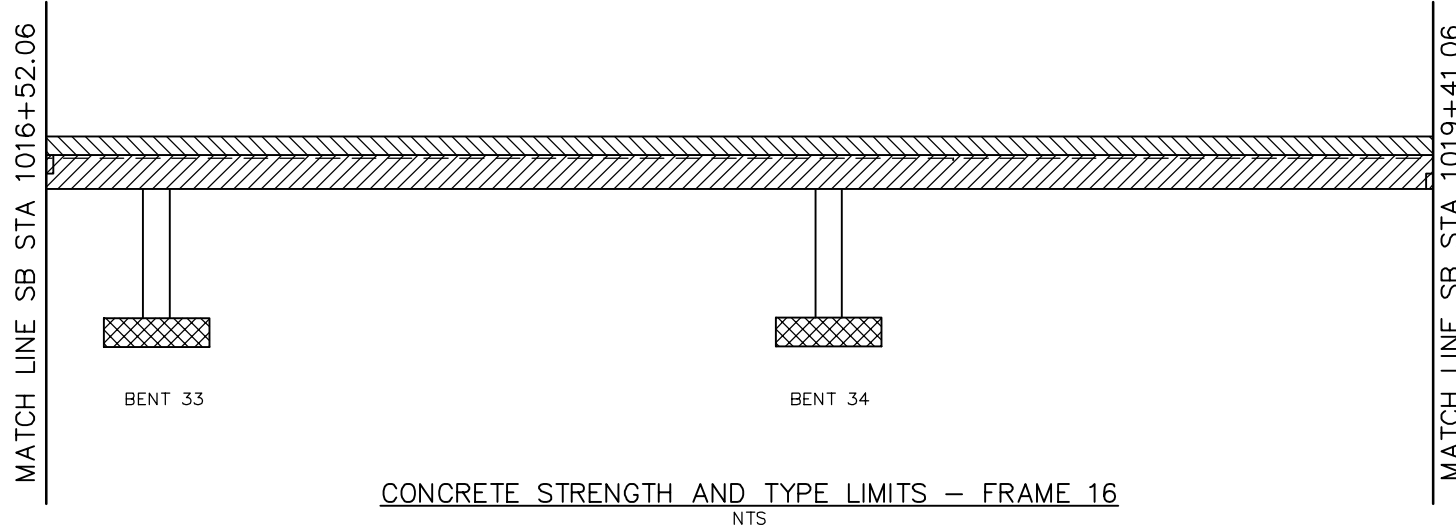
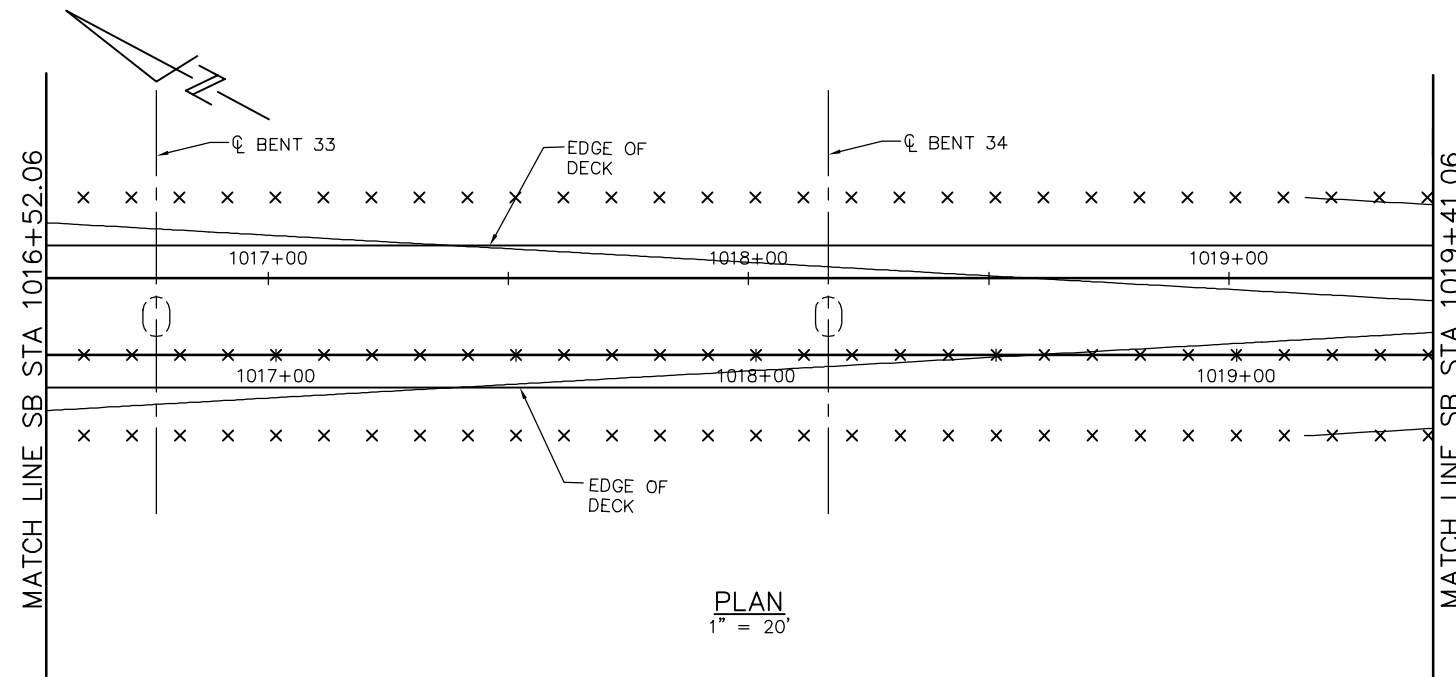
SCALE: AS SHOWN
BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 15

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SP356
REVISION	B



NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE
ALLOWANCES FOR FALSEWORK SETTLEMENT

DECK CONTOUR NOTES:

1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

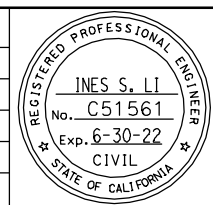
- STRUCTURAL CONCRETE, BRIDGE*
- STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 16' SHEET
- STRUCTURAL CONCRETE, BRIDGE FOOTING*
- STRUCTURAL CONCRETE, APPROACH SLAB*
- SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
16	645K	30K

SMH Jun 21, 2020 - 9:20am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP357.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP357.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

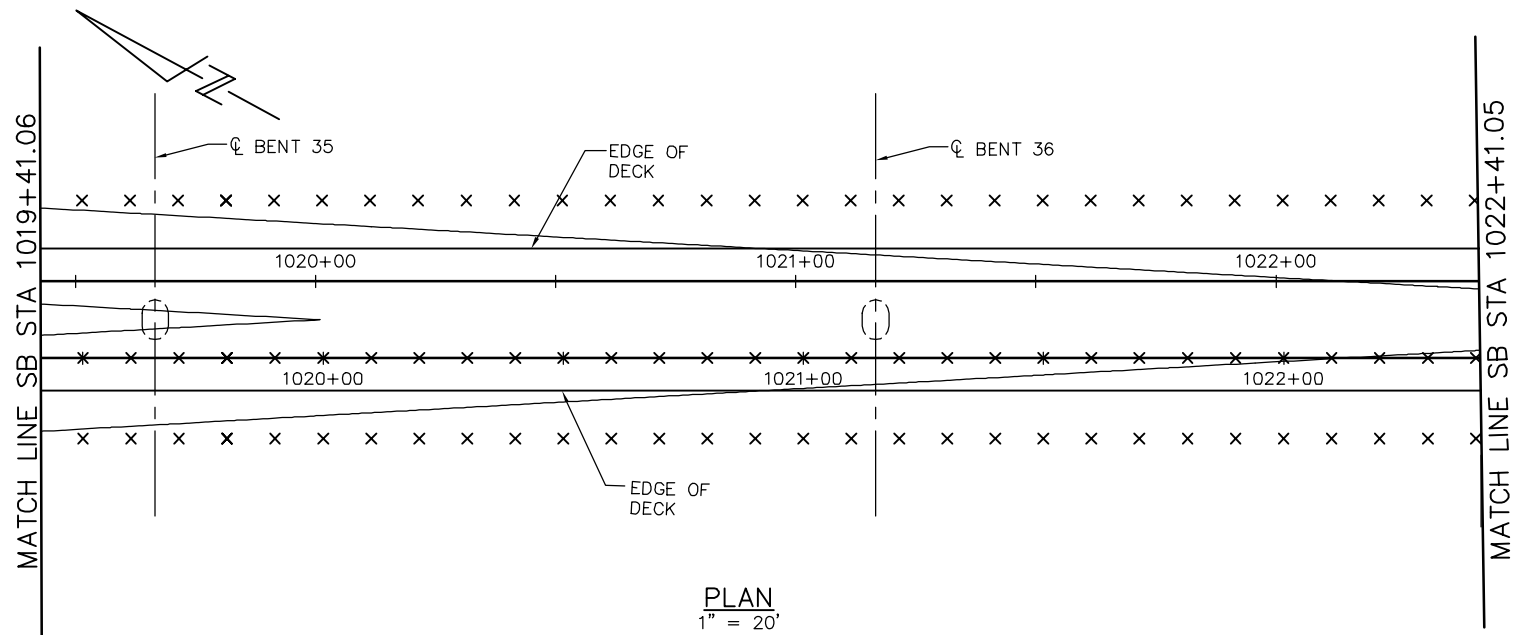
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 16

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

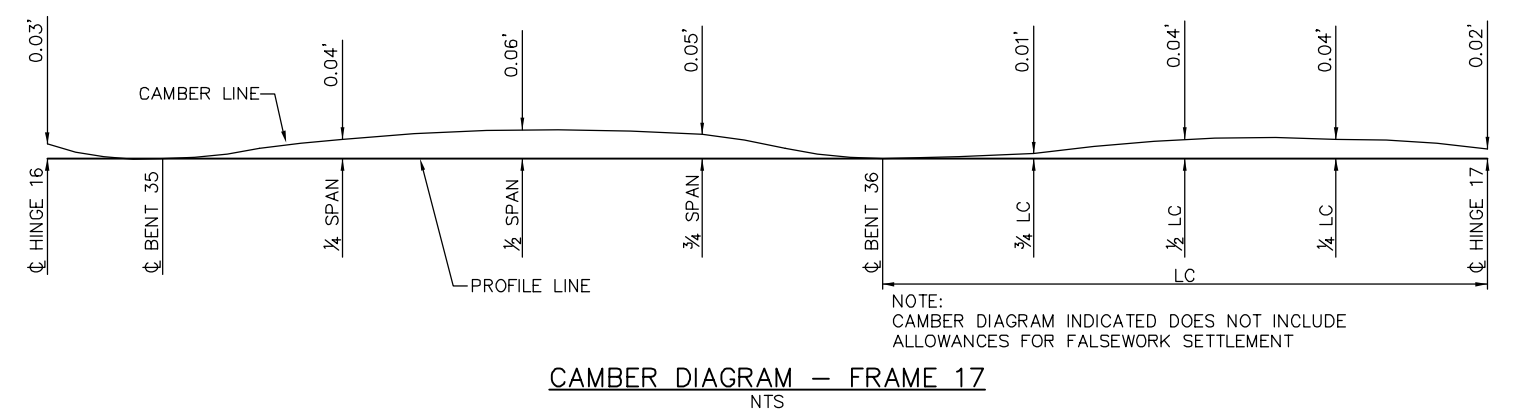
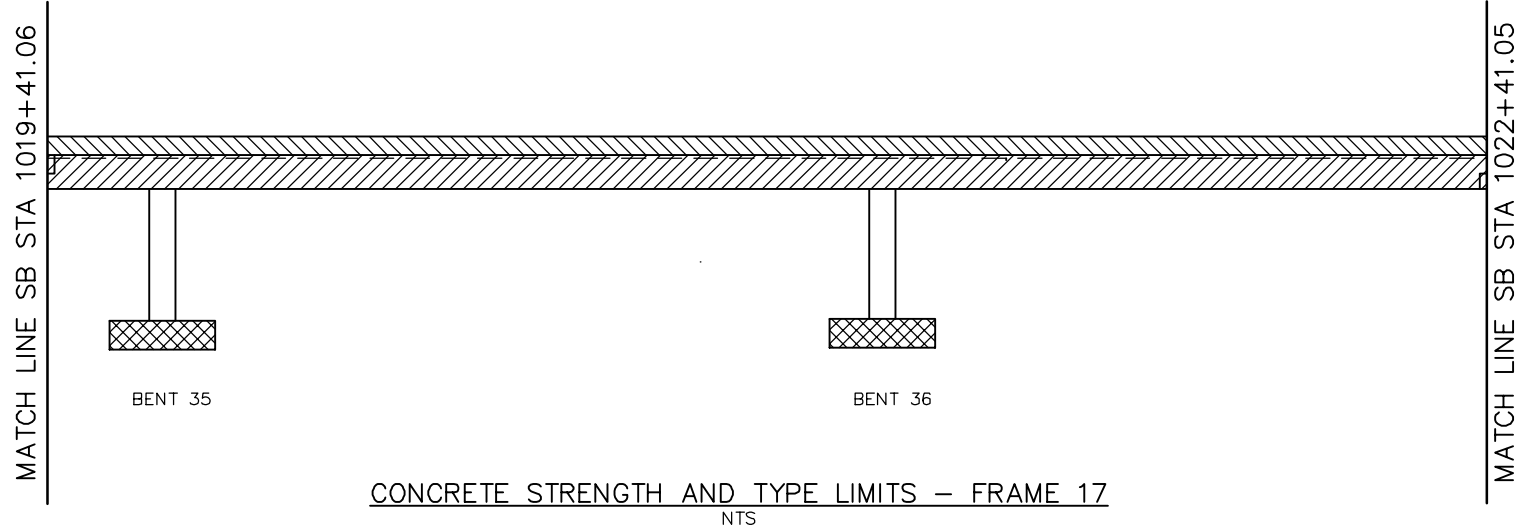
SHEET OF	DRAWING NO. SP357
REVISION	B



- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 17' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
17	634K	27K

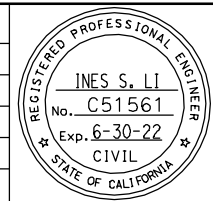


NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:21am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP358.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP358.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

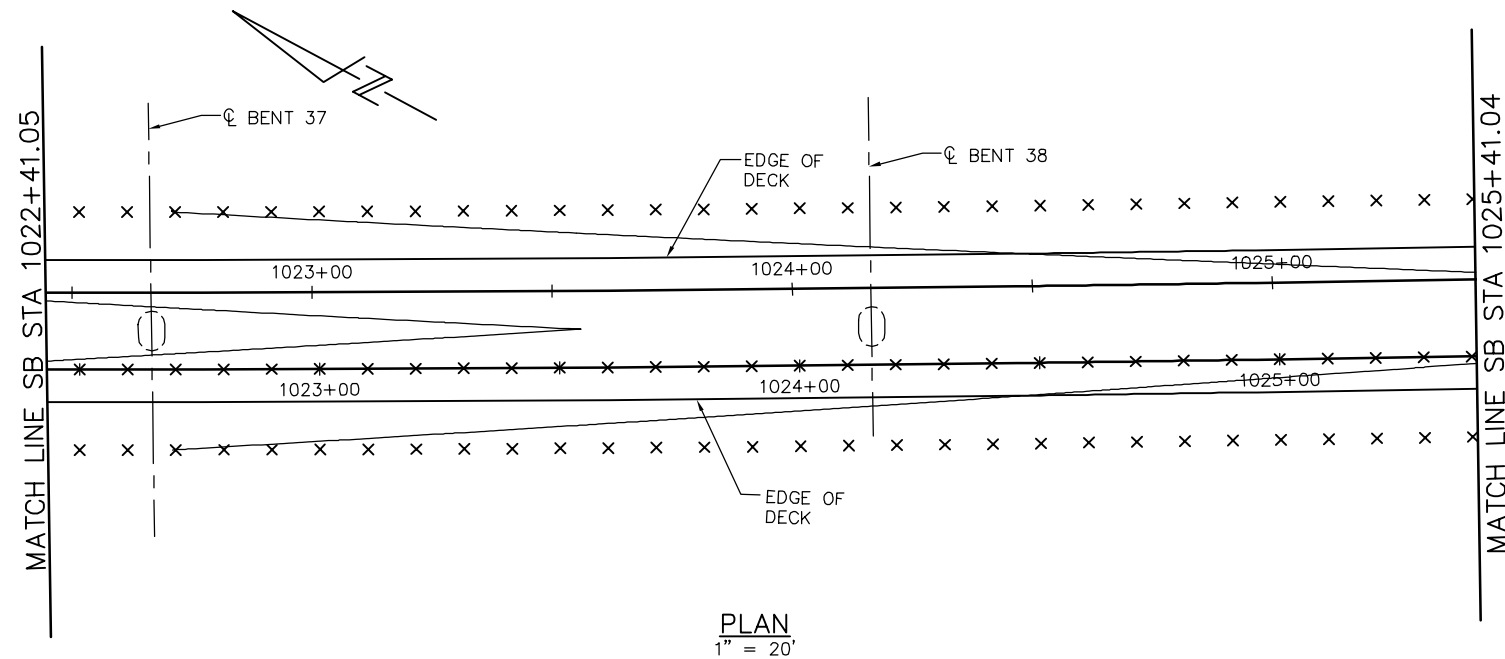
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 17

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP358
REVISION	B



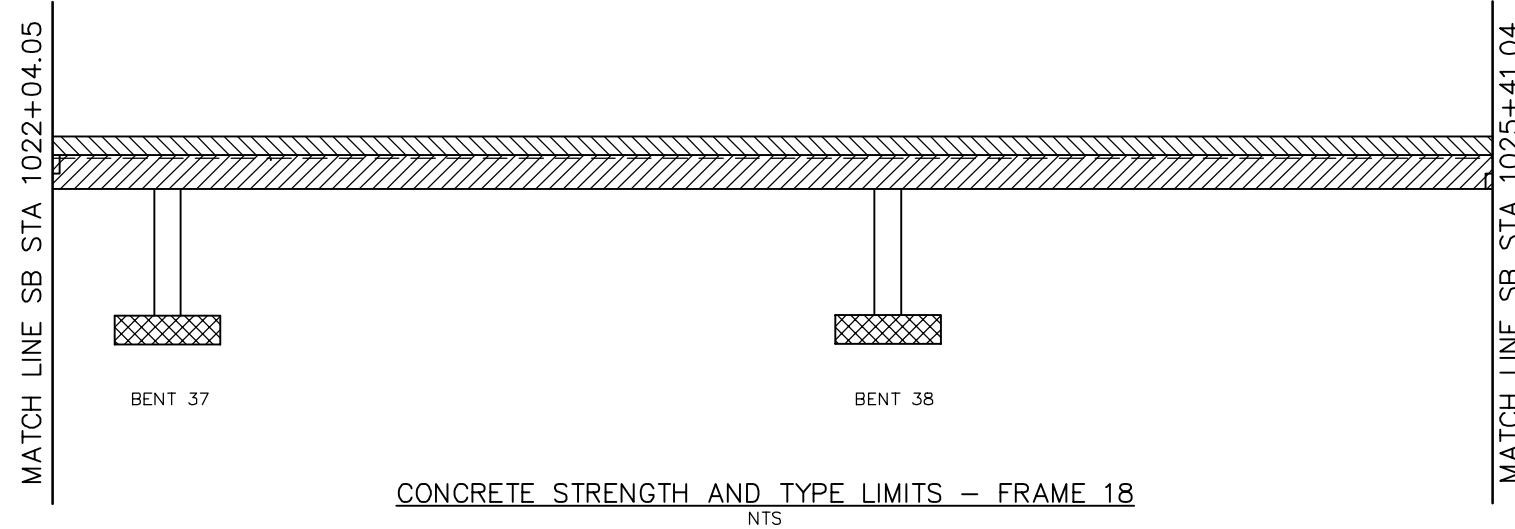
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

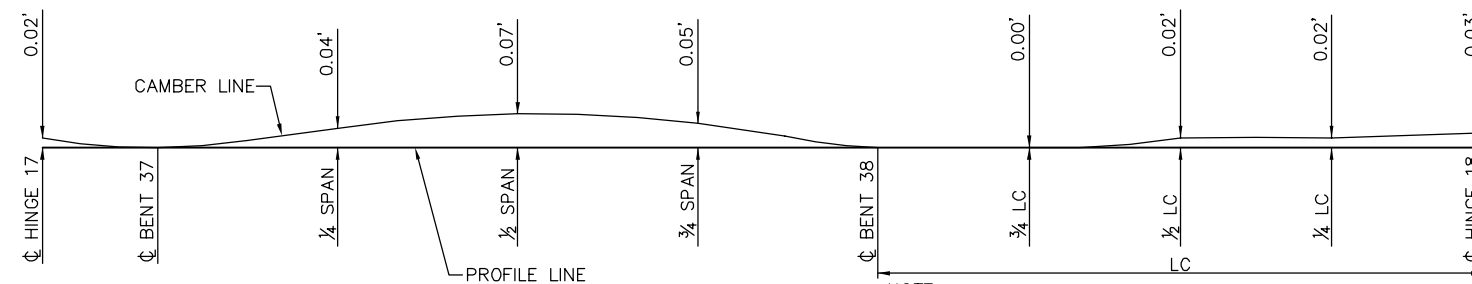
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 18' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
18	637K	30K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 18
NTS



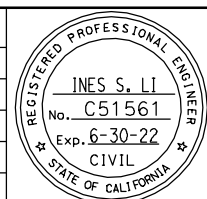
CAMBER DIAGRAM - FRAME 18
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:21am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP359.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP359.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

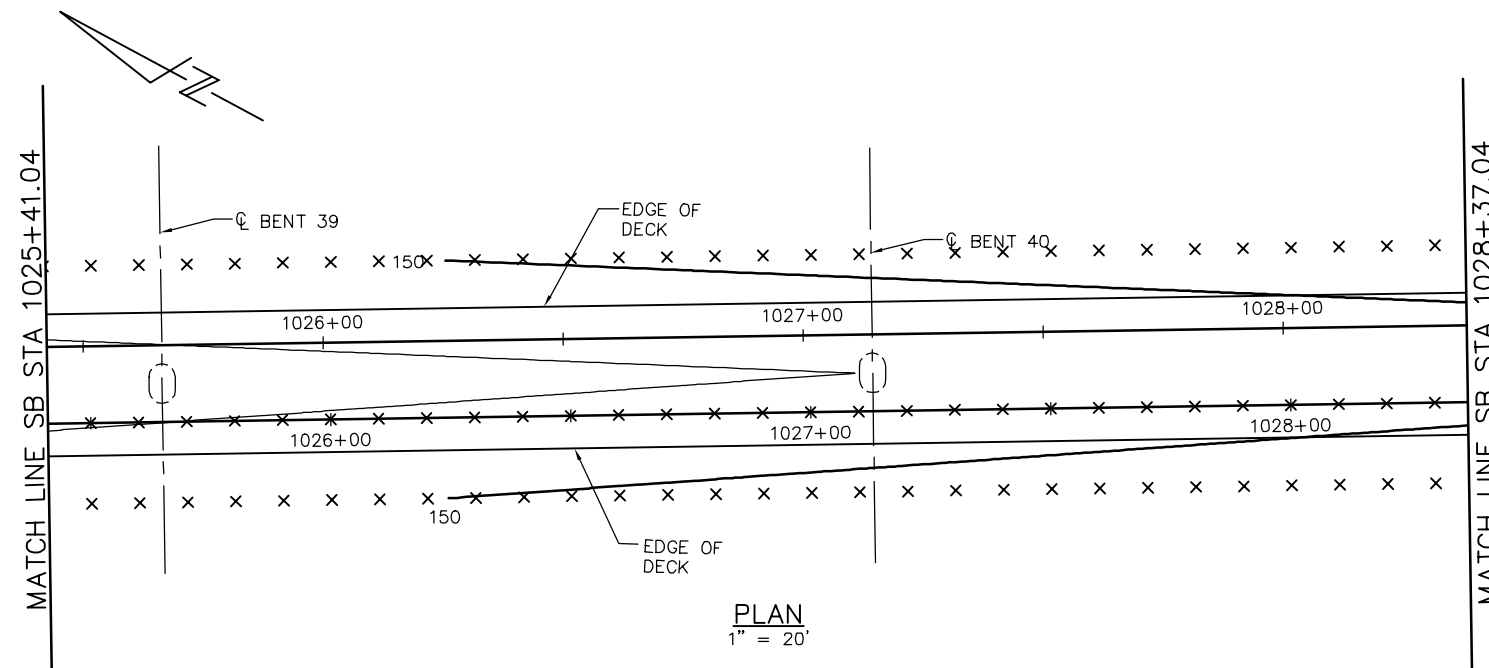
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 18

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP359
REVISION	B



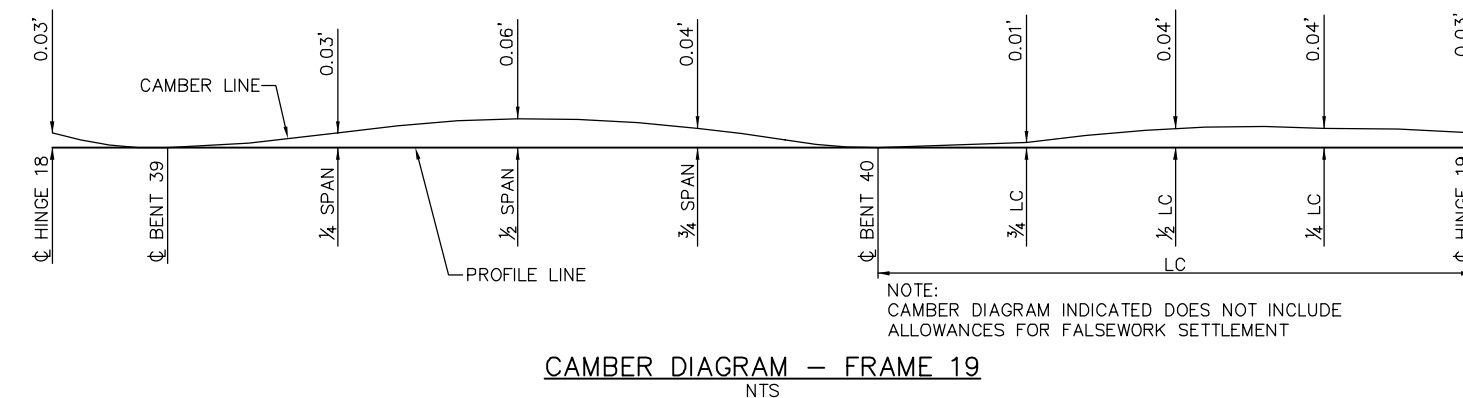
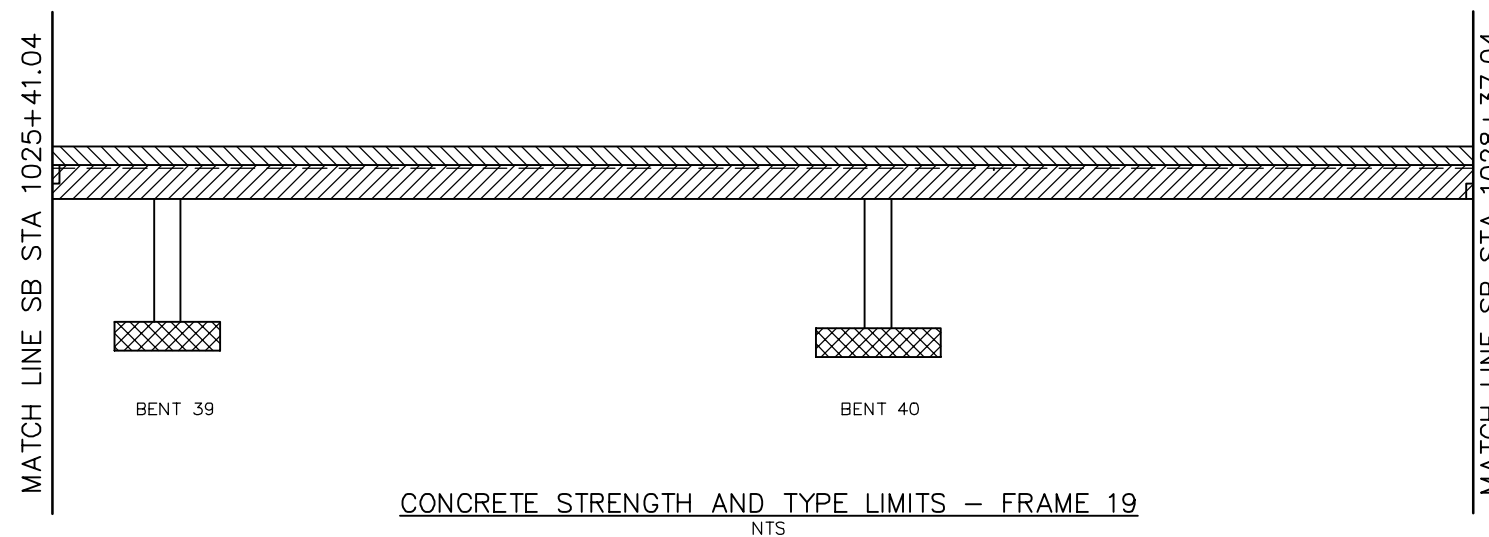
DECK CONTOUR NOTES:

1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
- STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 19' SHEET
- STRUCTURAL CONCRETE, BRIDGE FOOTING*
- STRUCTURAL CONCRETE, APPROACH SLAB*
- SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

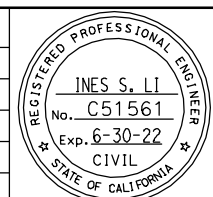
HINGE	DL REACTION	P/S REACTION
19	628K	27K



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:22am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP360.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP360.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

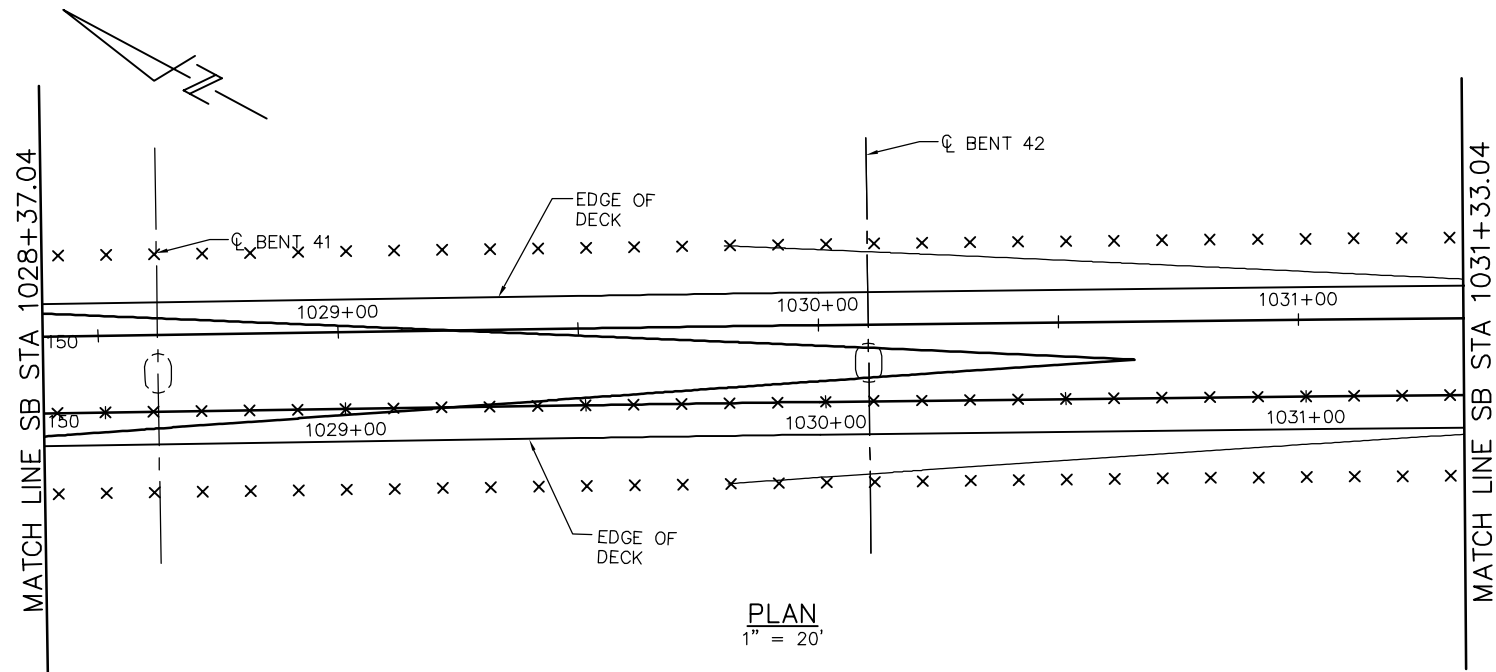
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 19

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP360
REVISION	B



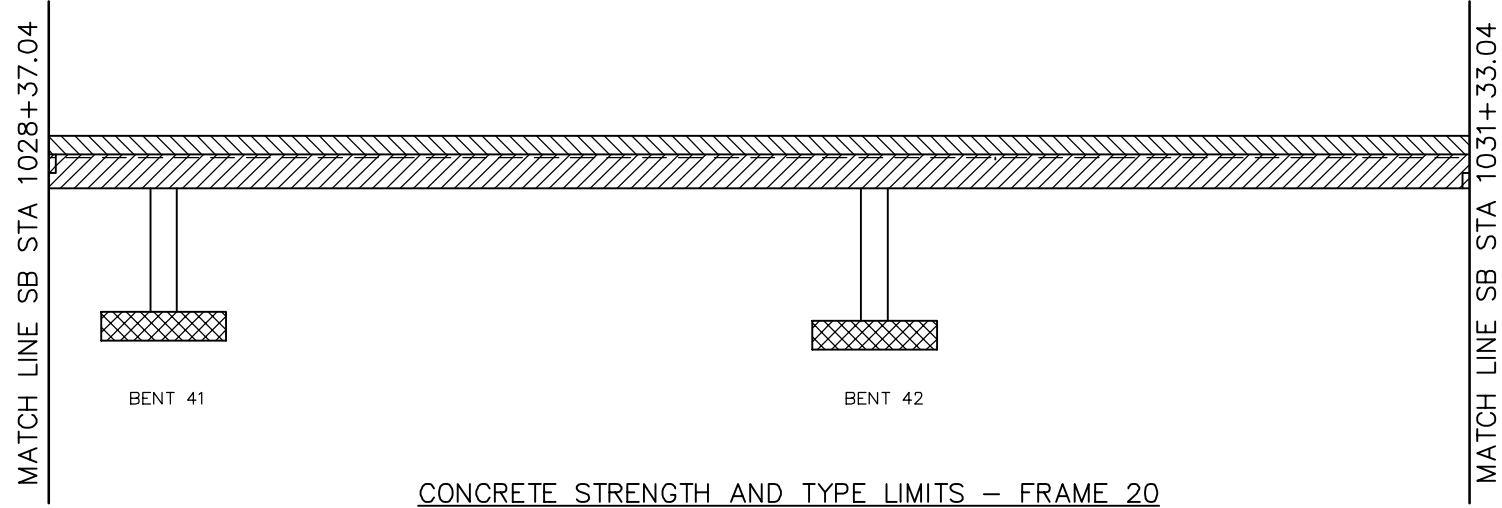
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

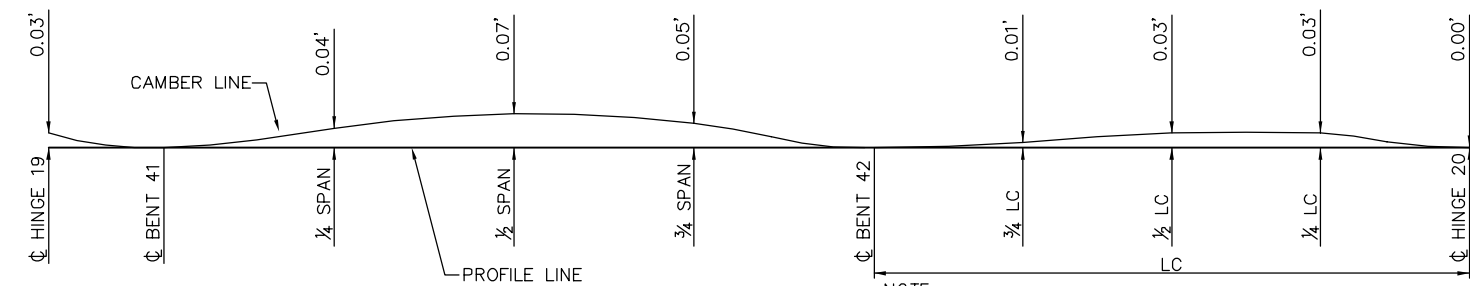
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 20' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
20	630K	30K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 20
NTS



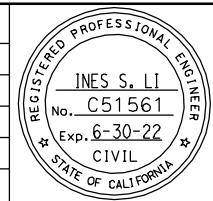
CAMBER DIAGRAM - FRAME 20
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:23am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP361.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP361.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

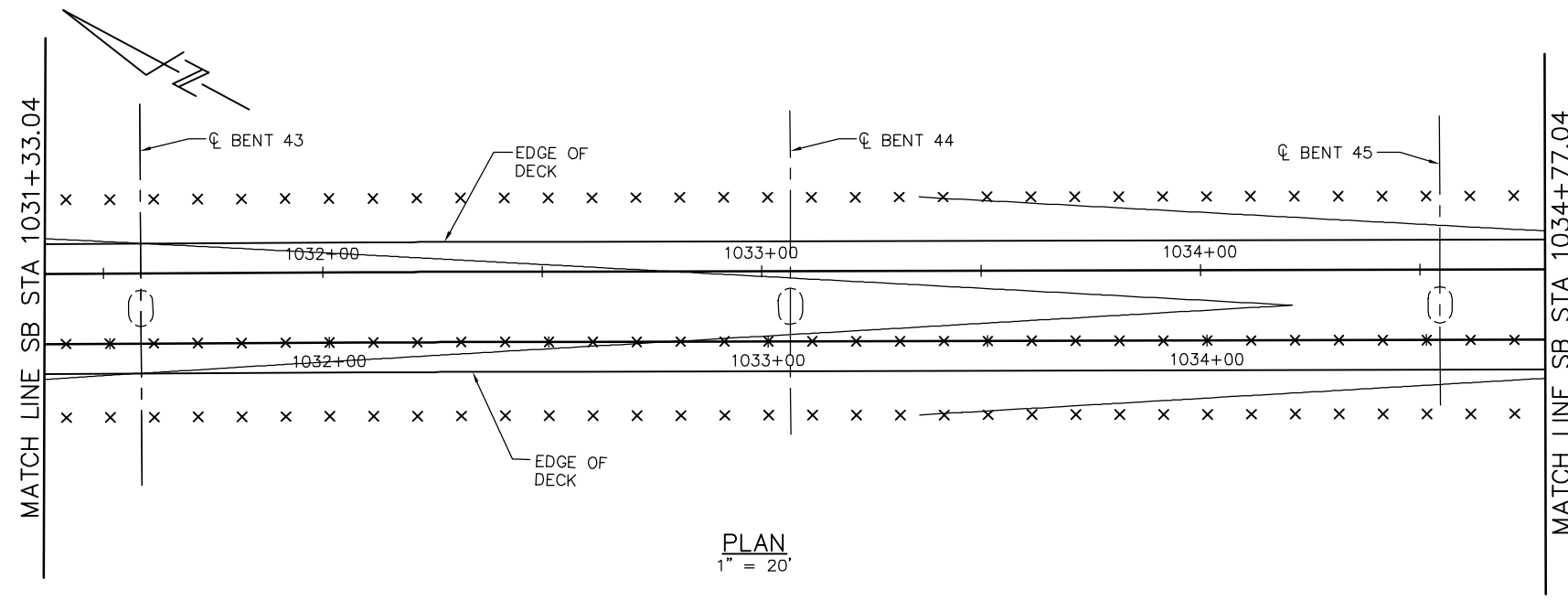
SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 20

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	OF
DRAWING NO. SP361	REVISION B



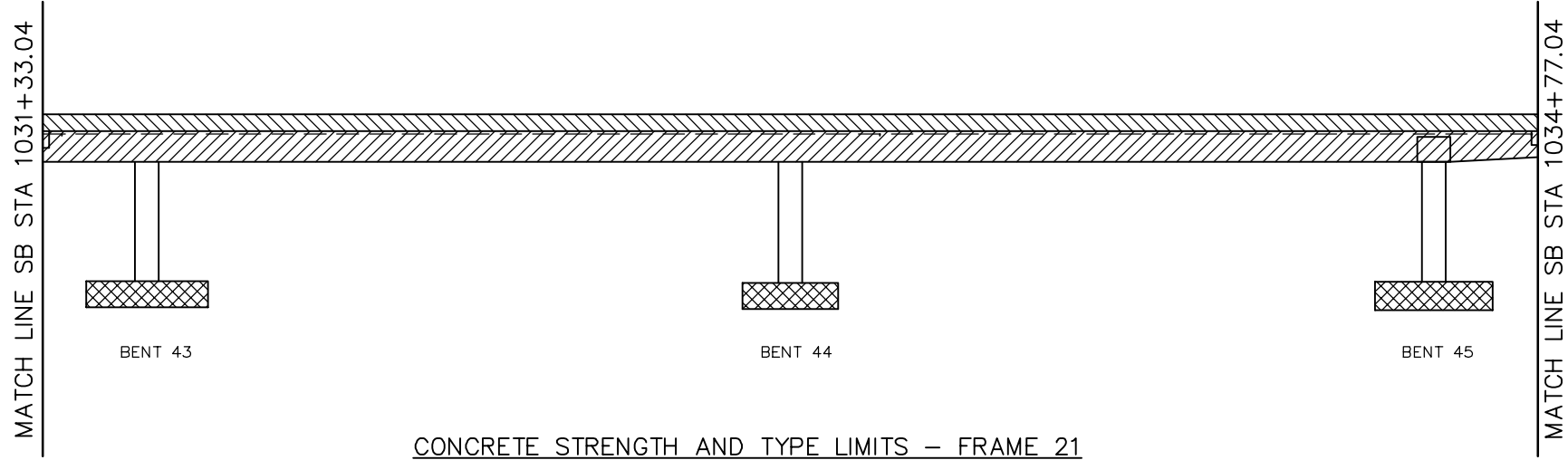
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

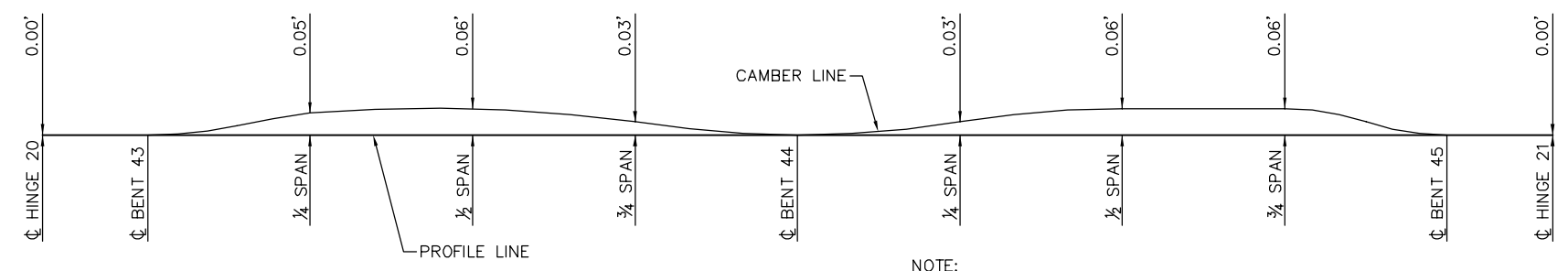
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
21	510K	16K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 21
NTS



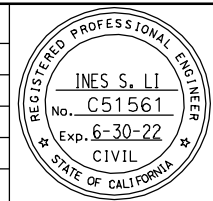
CAMBER DIAGRAM - FRAME 21
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:23am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP362.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP362.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

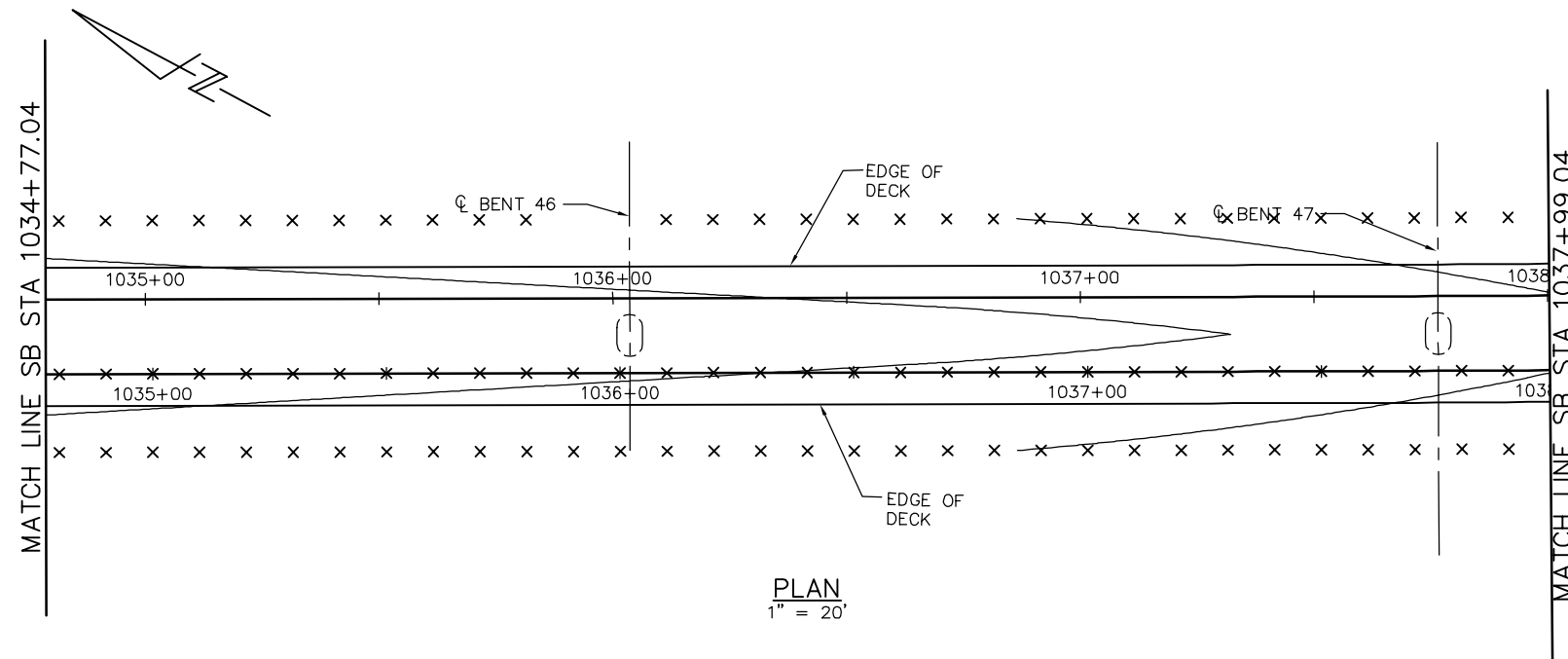
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 21

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

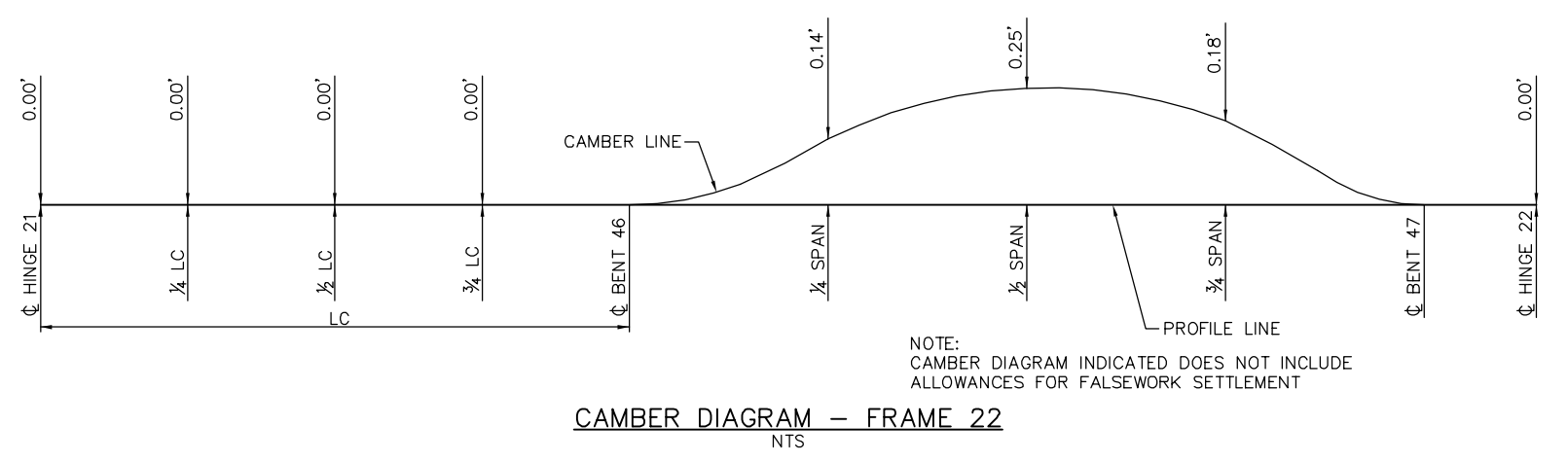
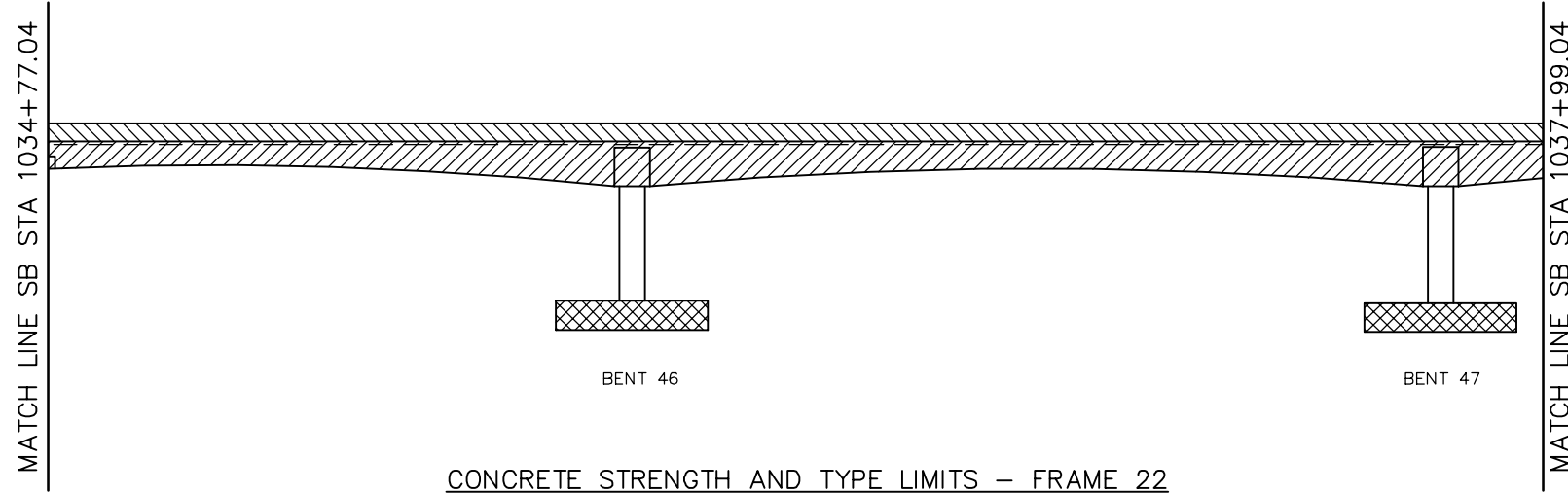
SHEET	OF
DRAWING NO. SP362	REVISION B



- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

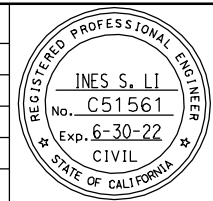
HINGE	DL REACTION	P/S REACTION
22	580K	21K



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:24am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP363.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

BCA

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP363.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

APPROVED

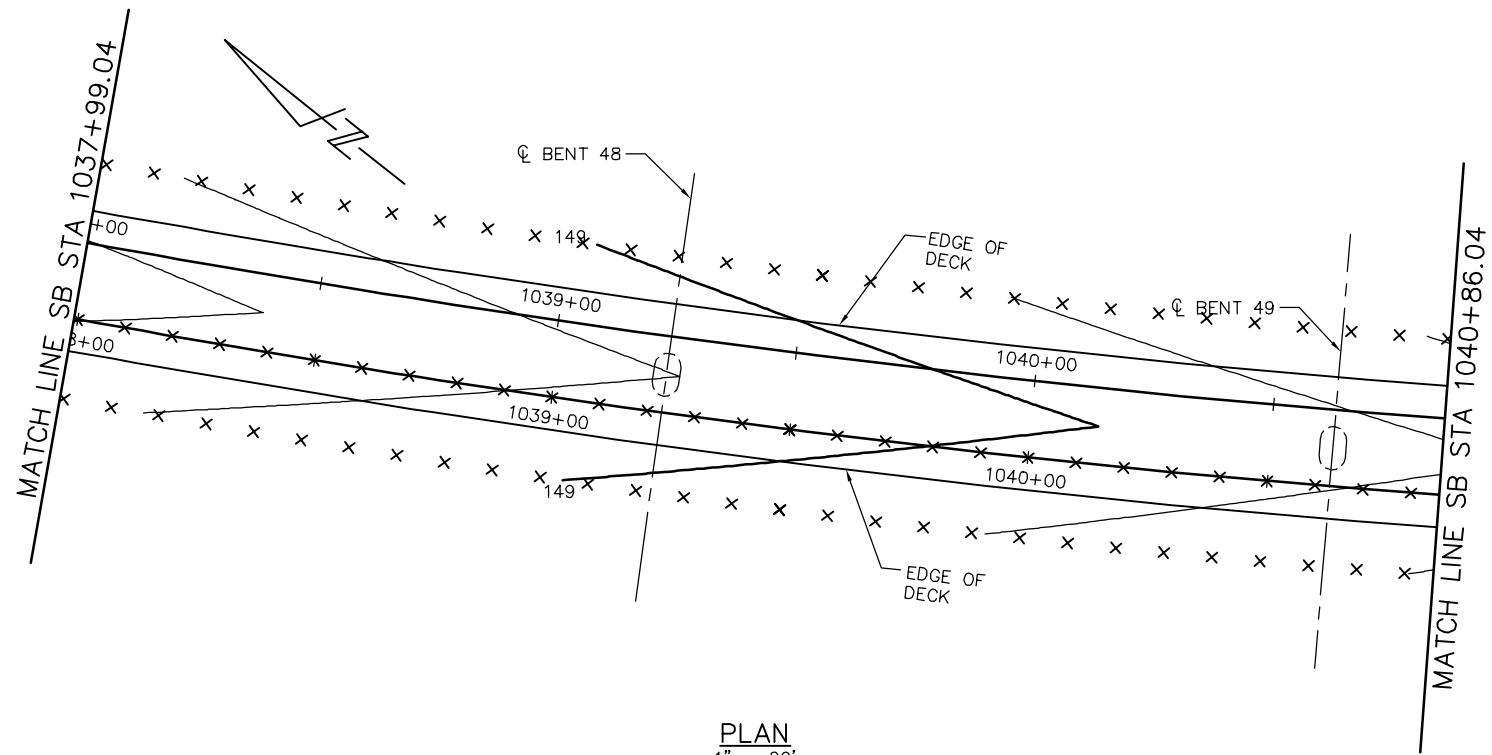
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 22

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP363
REVISION	B

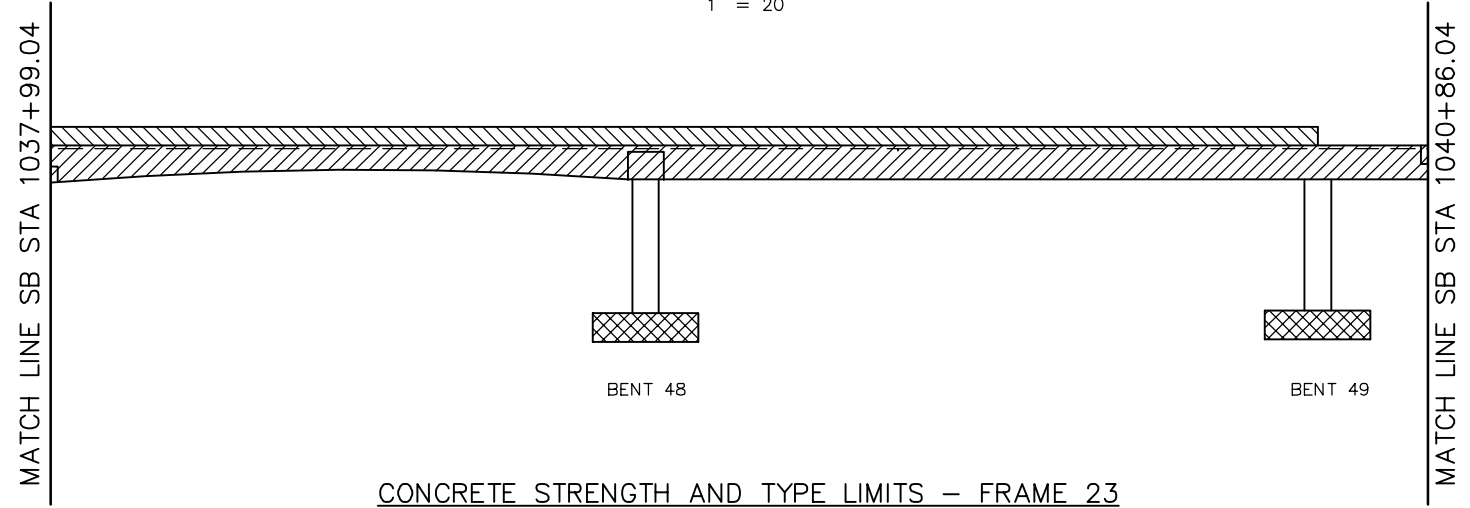


PLAN
1" = 20'

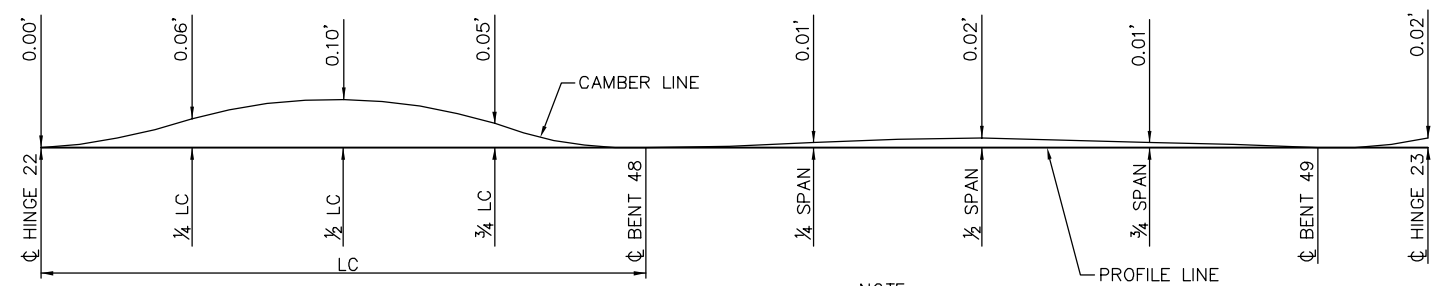
- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - SOUND BARRIER (SOUTHBOUND WEST SIDE SHOWN)*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
23	600K	30K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 23
NTS



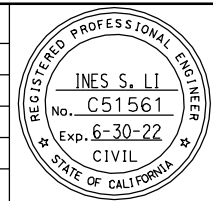
CAMBER DIAGRAM - FRAME 23
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:25am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP364.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP364.dwg



APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 23

PCA NO. 000

CONTRACT NO. C801





FILE LOCATION
PROJECTWISE

SHEET OF	
DRAWING NO.	SP364
REVISION	B

DECK CONTOUR NOTES:

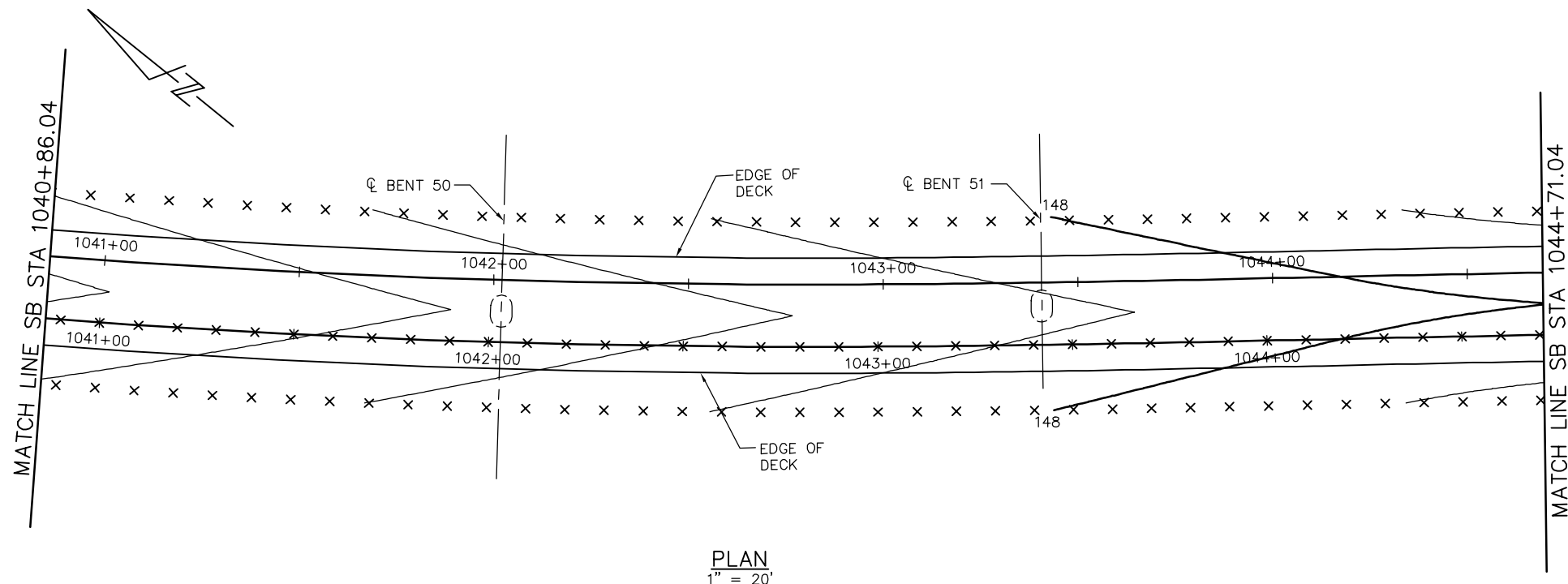
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

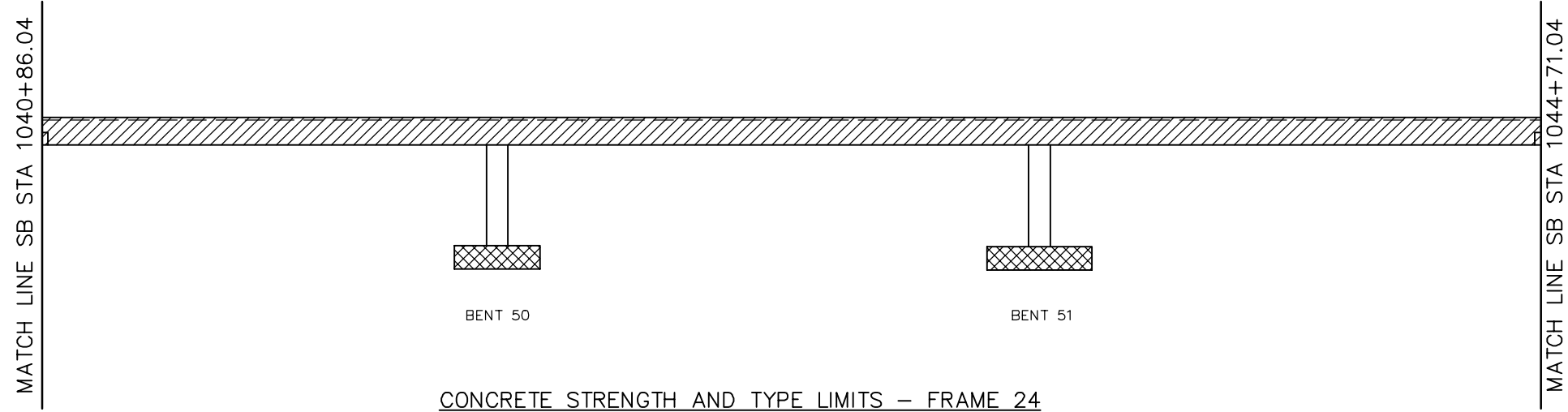
-  STRUCTURAL CONCRETE, BRIDGE*
-  STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
-  STRUCTURAL CONCRETE, BRIDGE FOOTING*
-  STRUCTURAL CONCRETE, APPROACH SLAB*

* SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

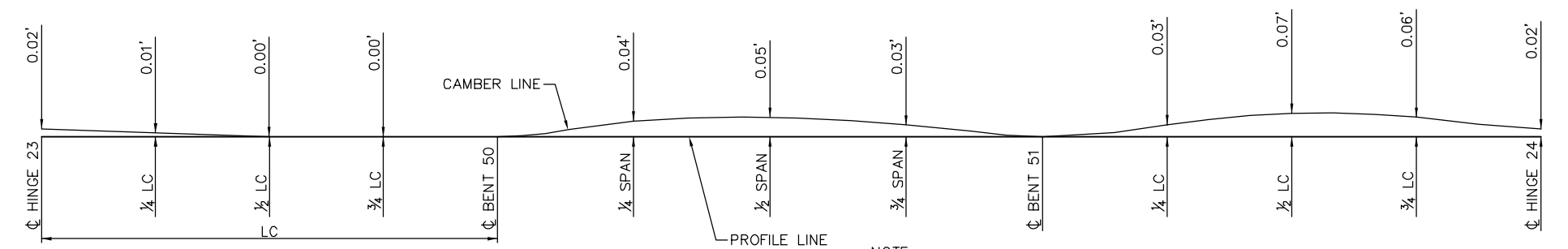
HINGE	DL REACTION	P/S REACTION
24	752K	31K



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 24
NTS



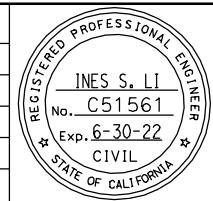
CAMBER DIAGRAM - FRAME 24
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:25am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP365.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP365.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

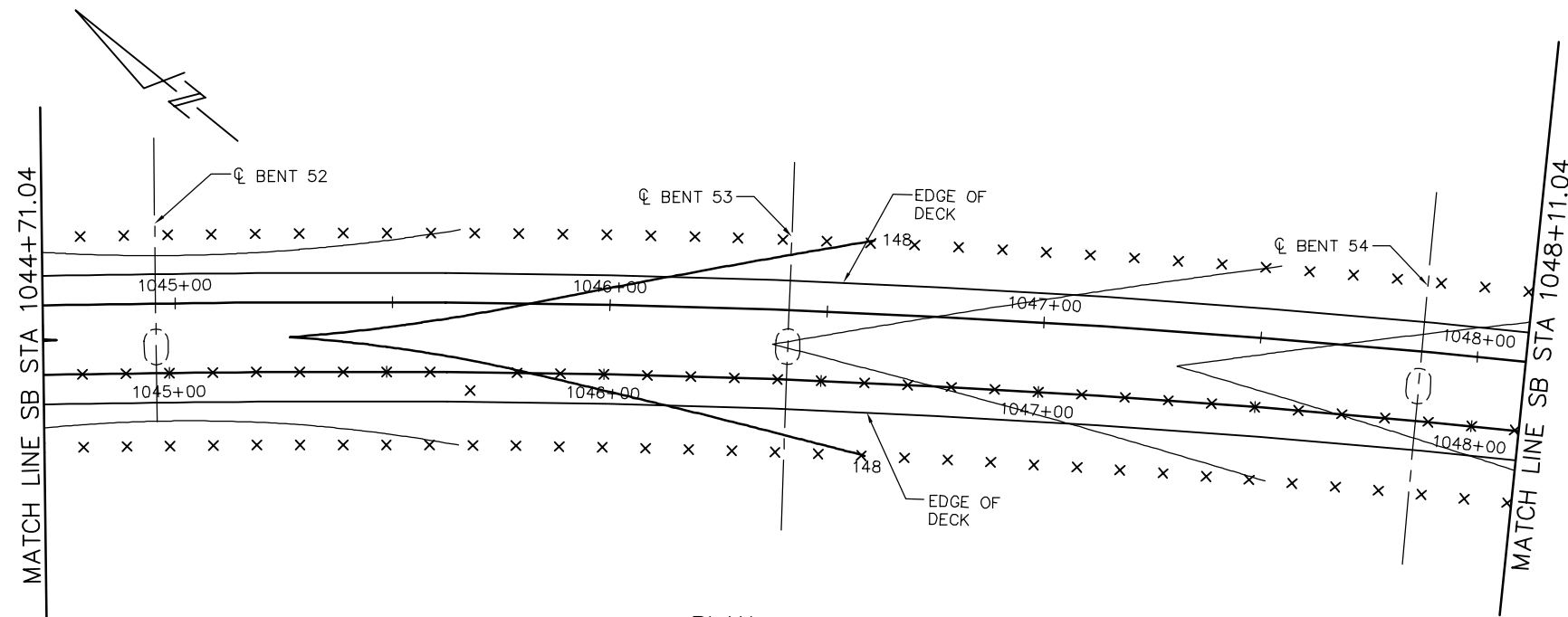
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 24

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP365
REVISION	B

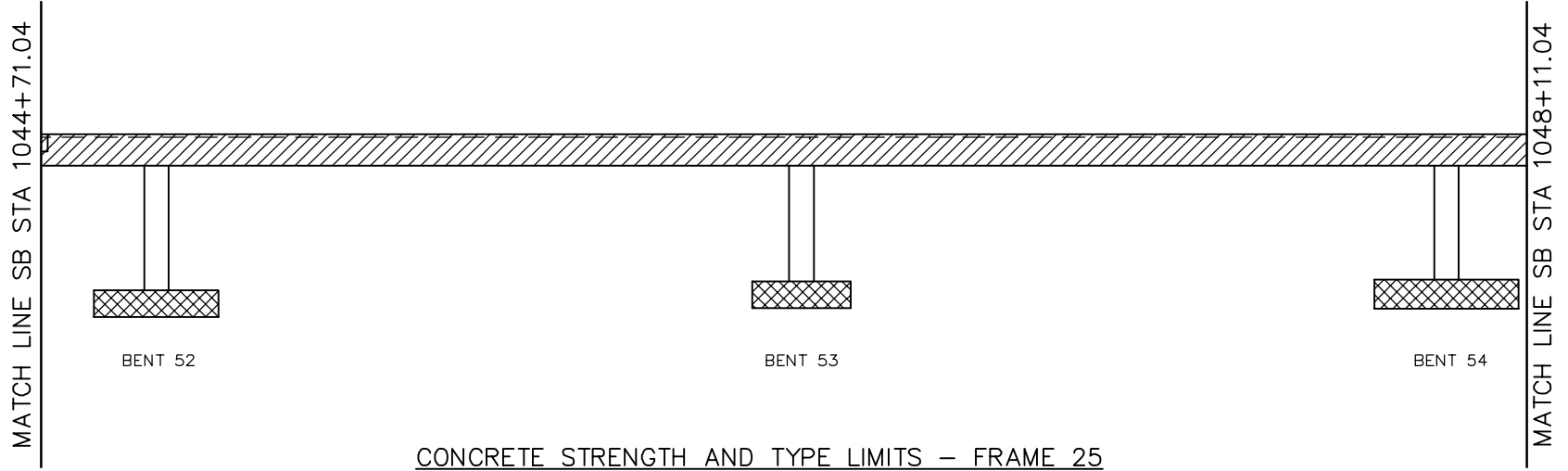


PLAN
1" = 20'

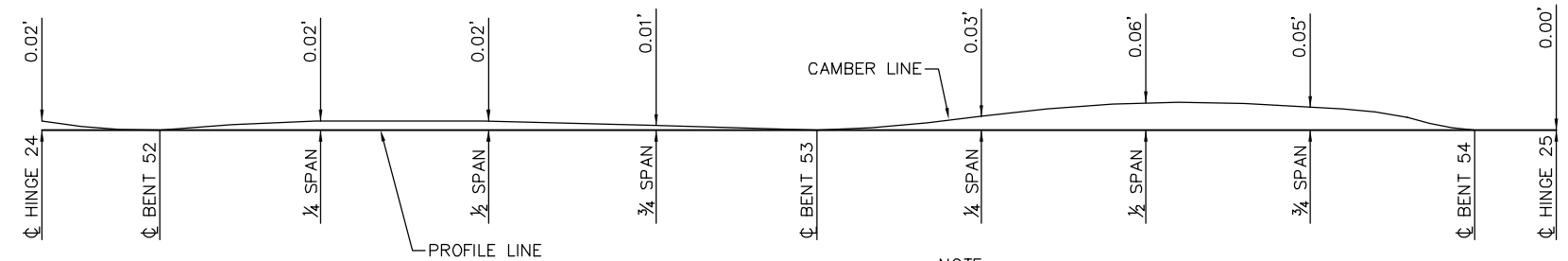
- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
25	610K	29K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 25
NTS



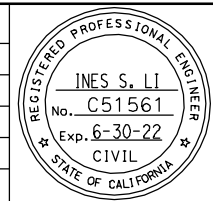
NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

CAMBER DIAGRAM - FRAME 25
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:26am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP366.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

BCA

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP366.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

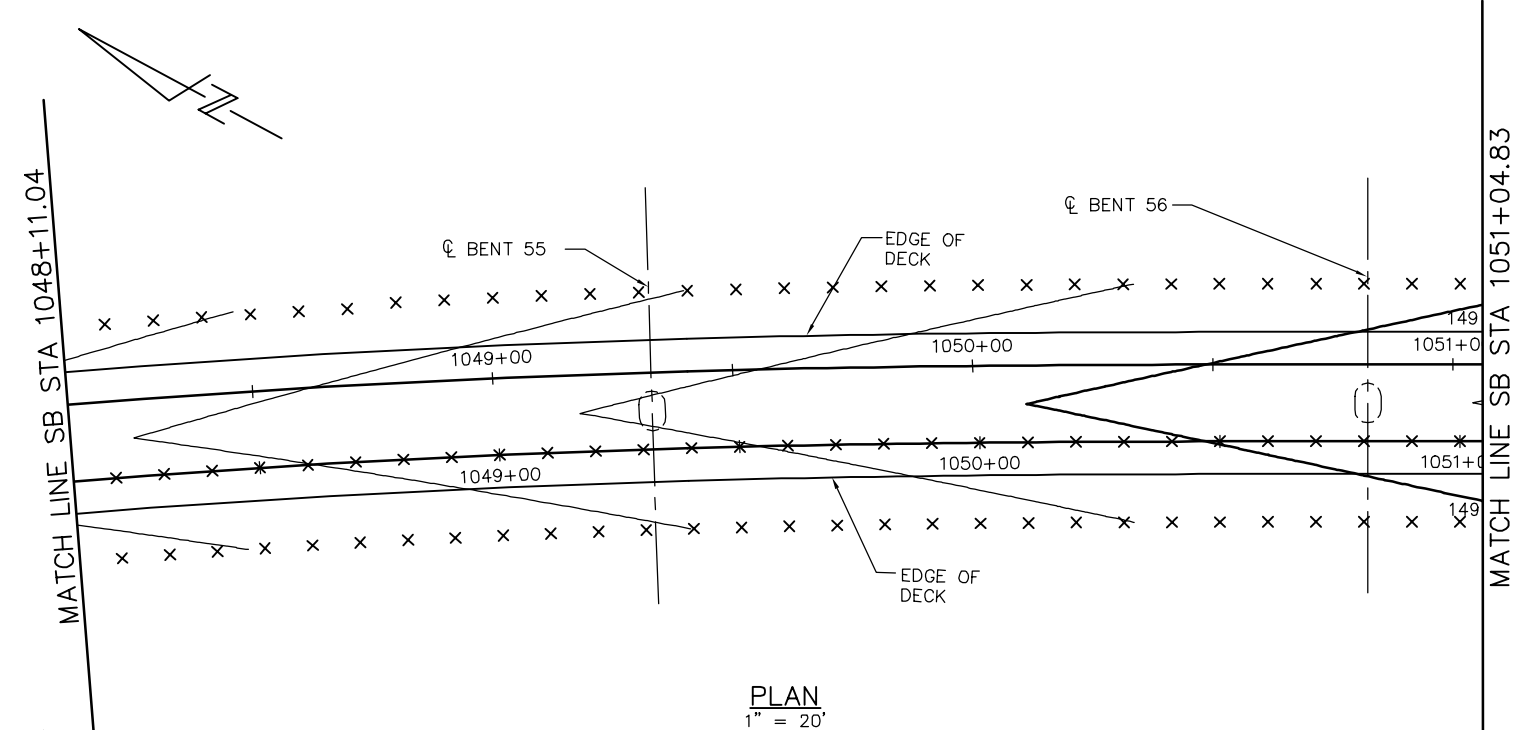
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 25

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP366
REVISION	B



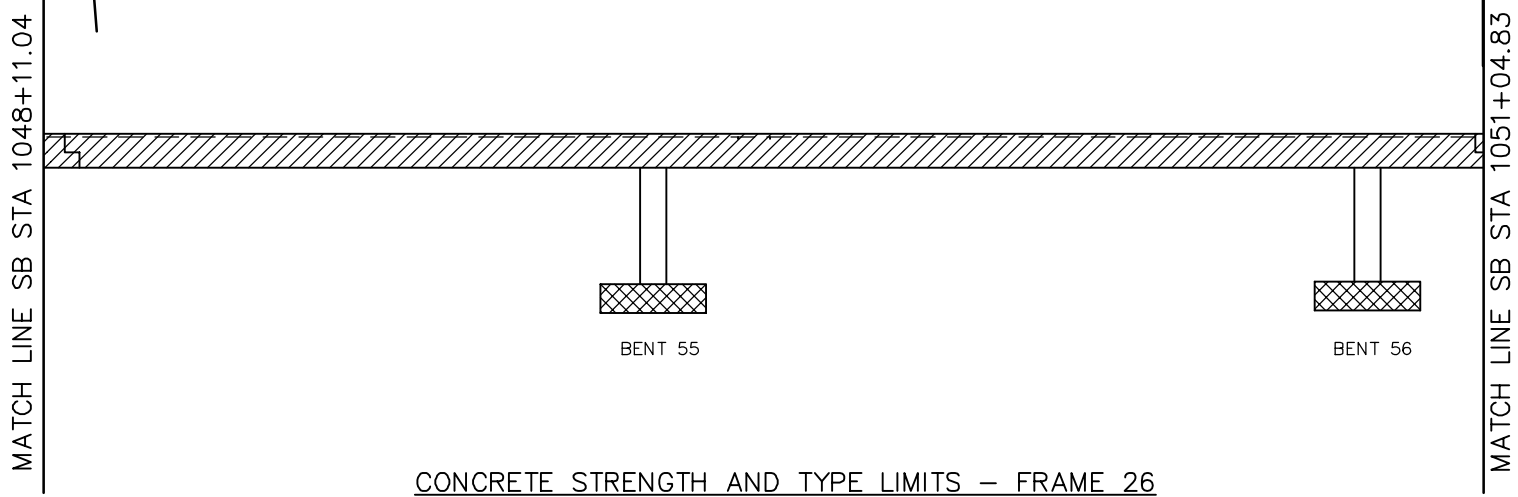
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

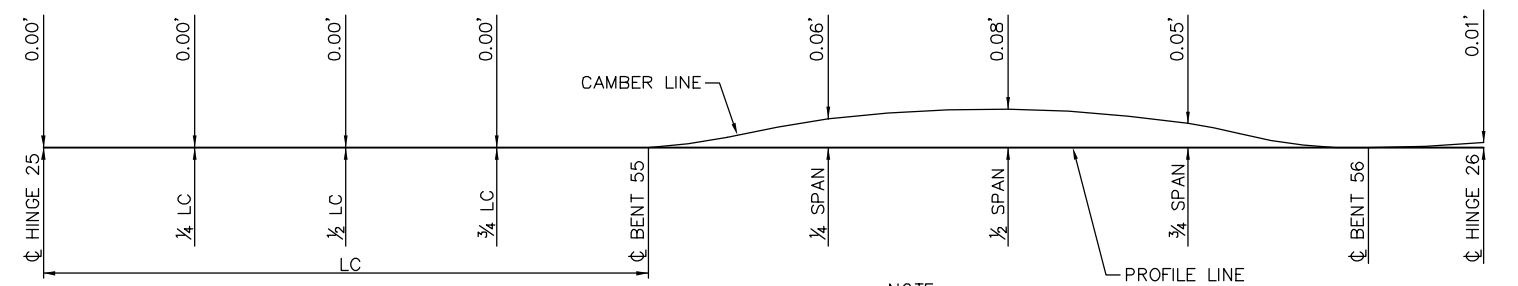
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
- STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
- STRUCTURAL CONCRETE, BRIDGE FOOTING*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
26	628K	28K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 26
NTS



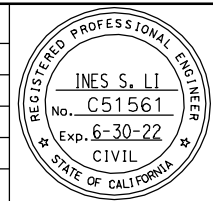
CAMBER DIAGRAM - FRAME 26
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:26am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP367.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SP367.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

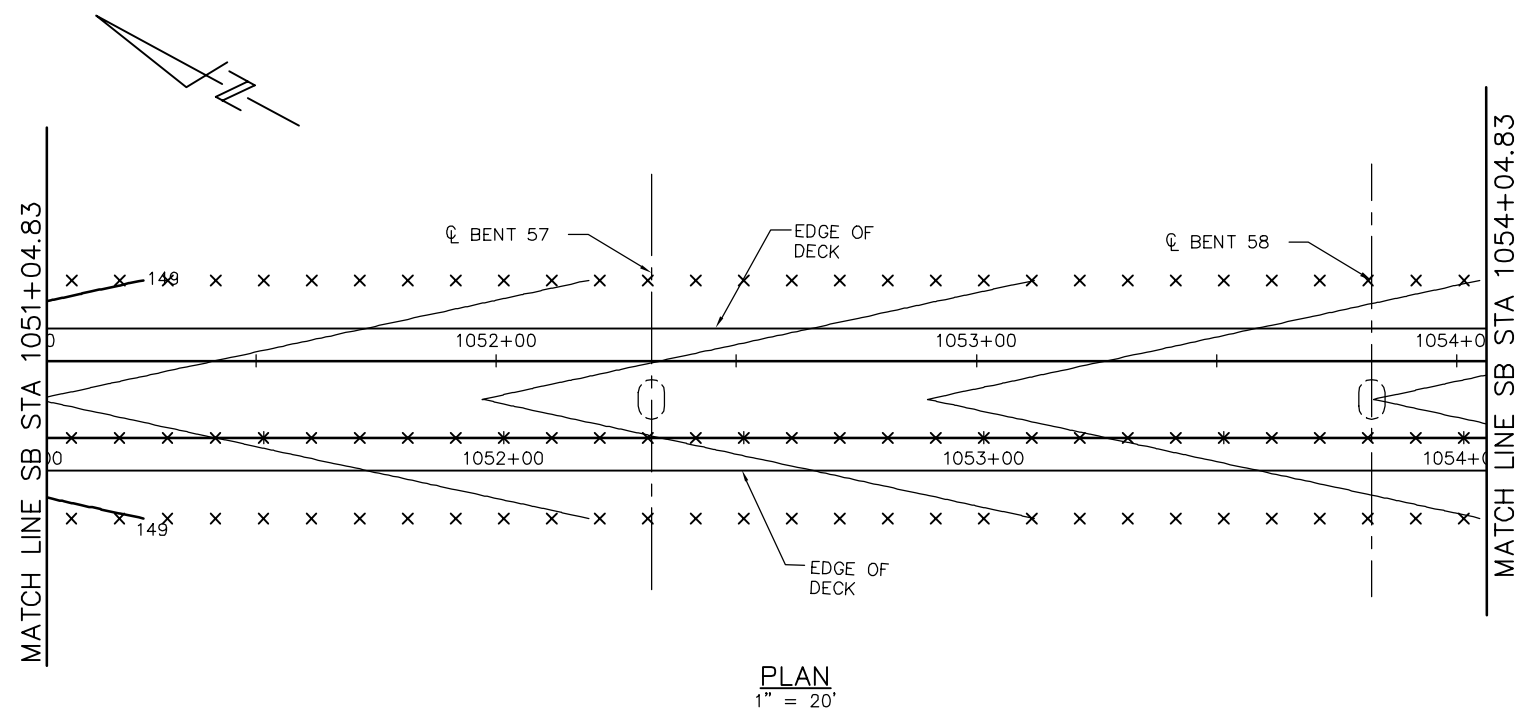
SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 26

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	
DRAWING NO.	SP367
REVISION	B



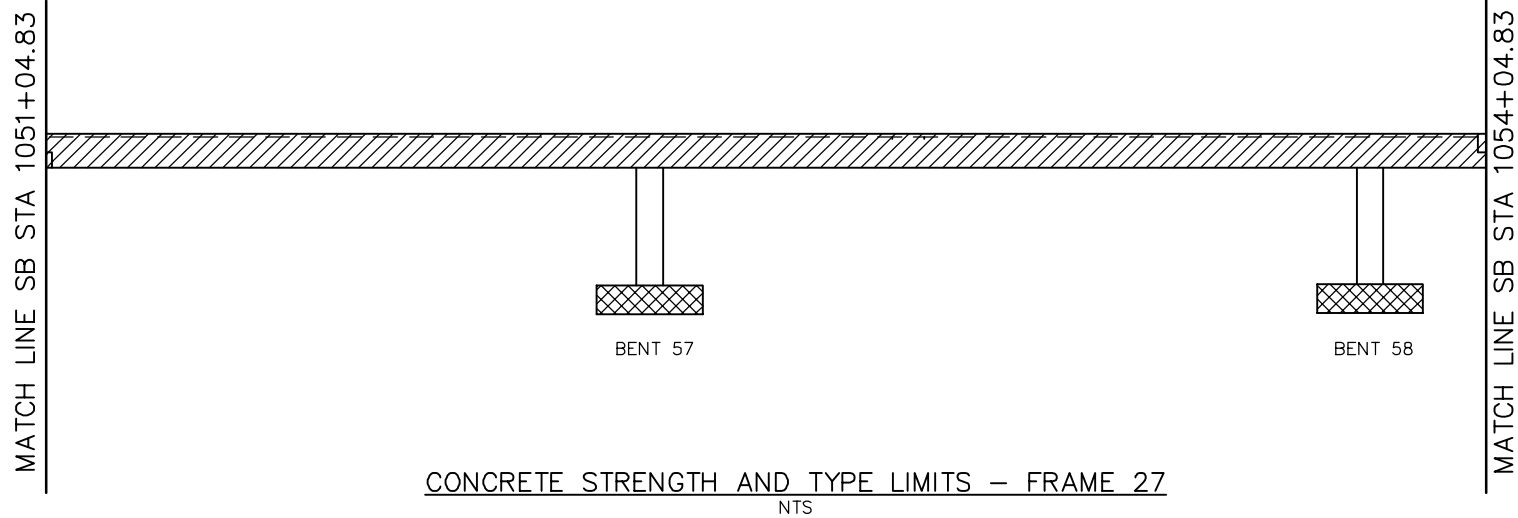
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

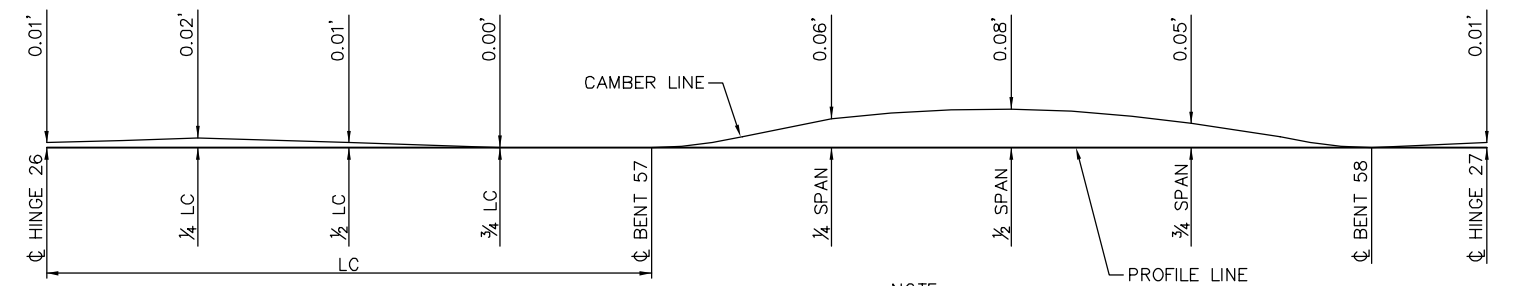
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
- STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
- STRUCTURAL CONCRETE, BRIDGE FOOTING*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
27	628K	27K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 27
NTS



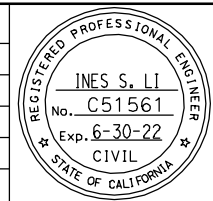
CAMBER DIAGRAM - FRAME 27
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:27am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP368.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP368.dwg

Santa Clara Valley
Transportation
Authority

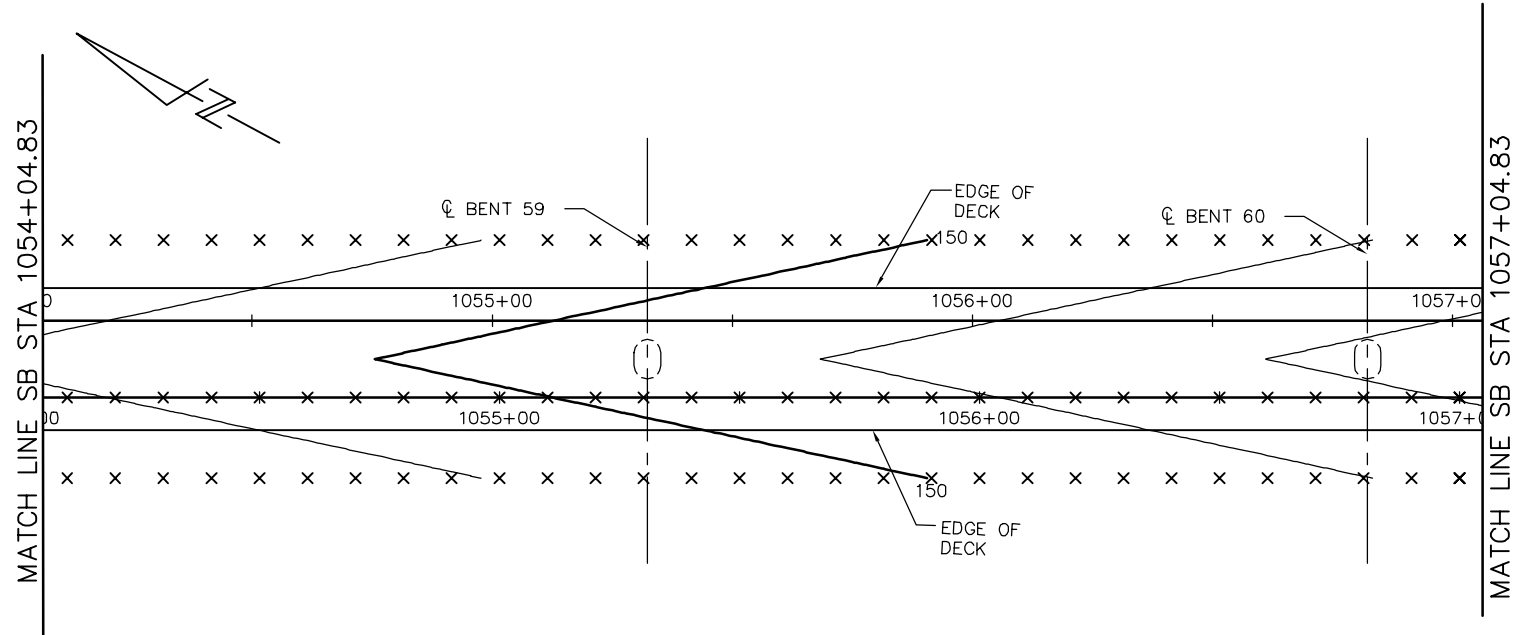
APPROVED

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 27

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP368
REVISION	B

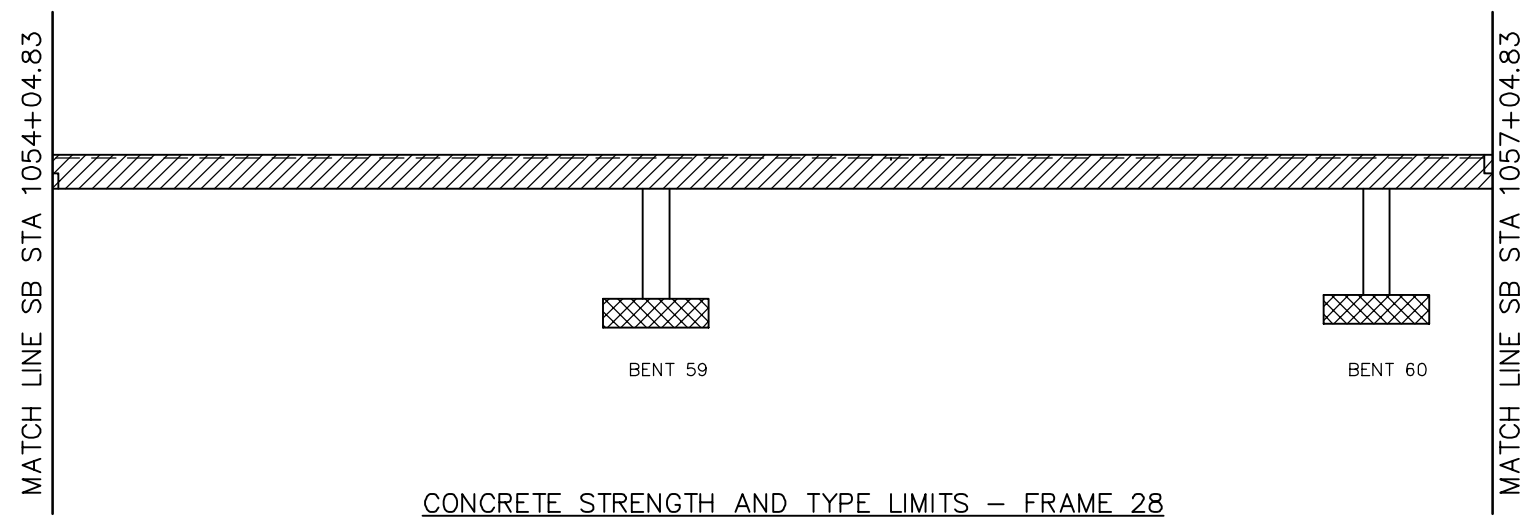


PLAN
1" = 20'

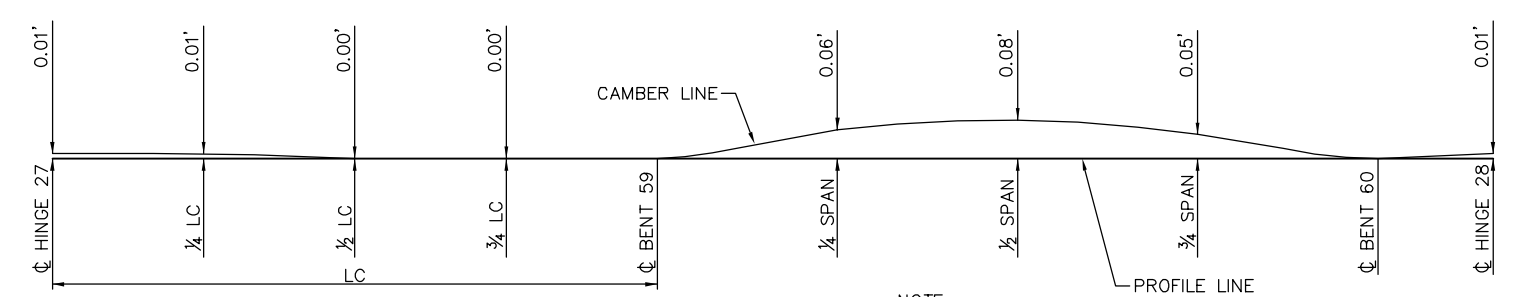
- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
28	630K	26K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 28
NTS



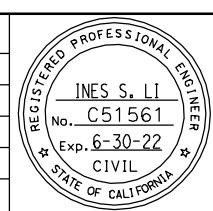
CAMBER DIAGRAM - FRAME 28
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:28am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP369.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP369.dwg

Santa Clara Valley Transportation Authority

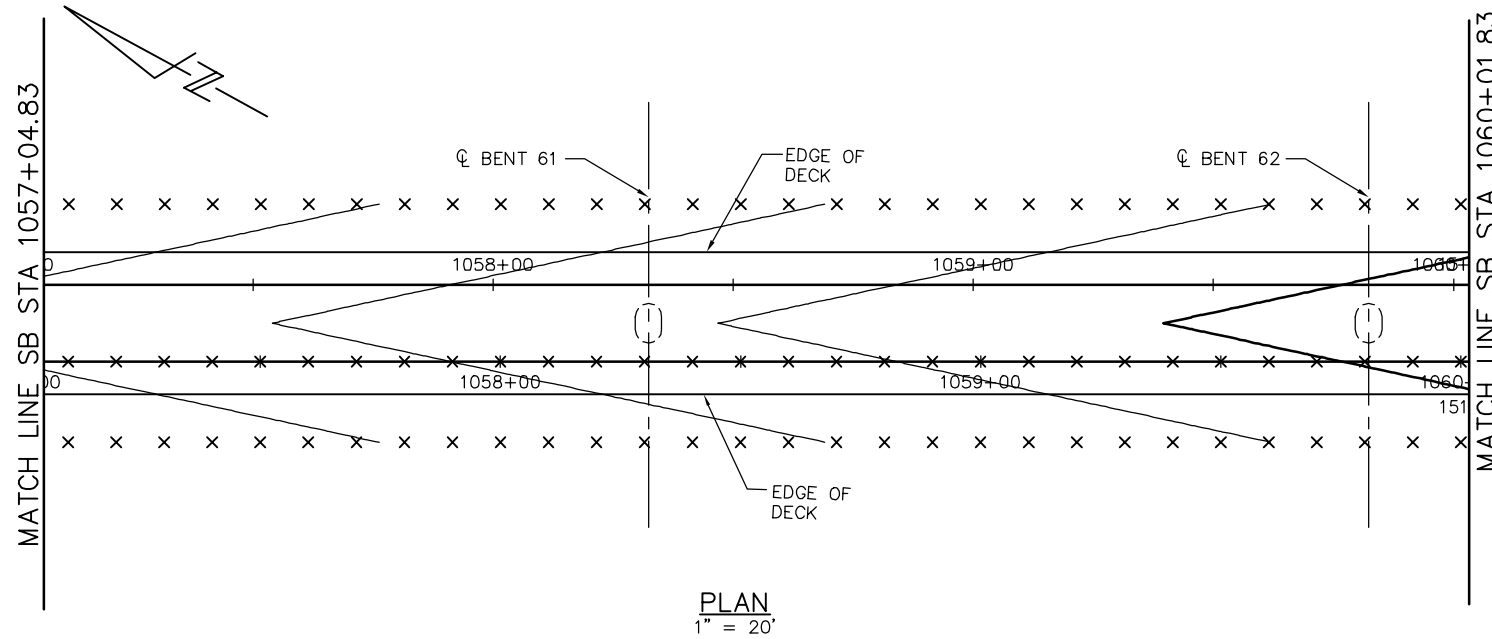
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

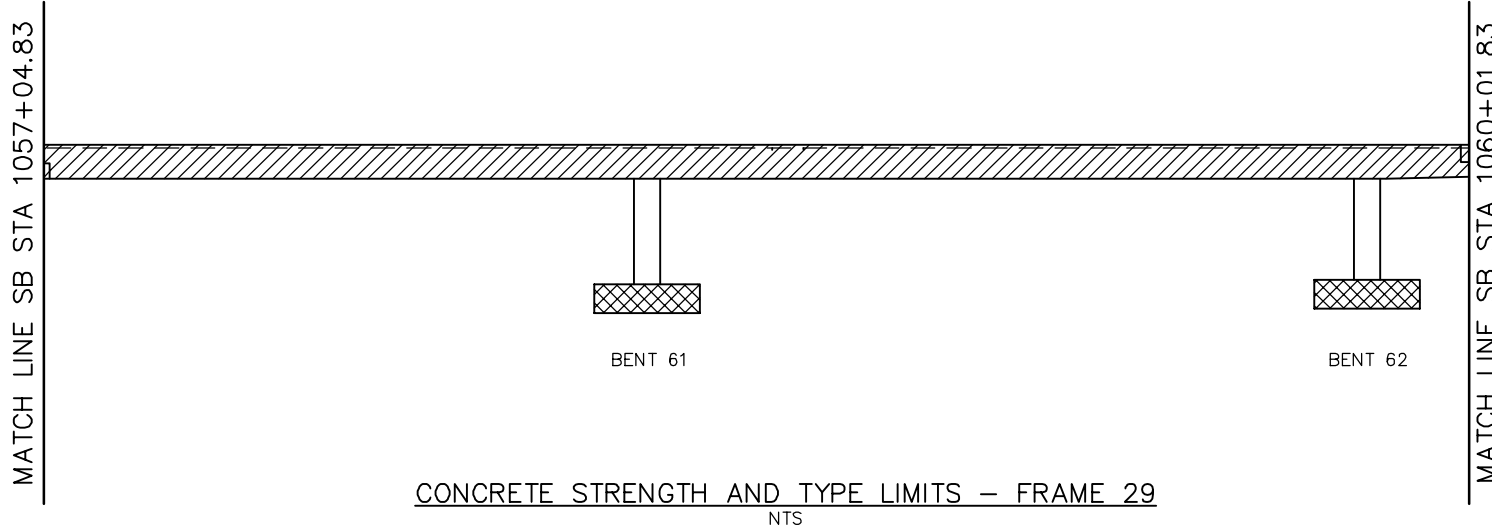
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 28

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

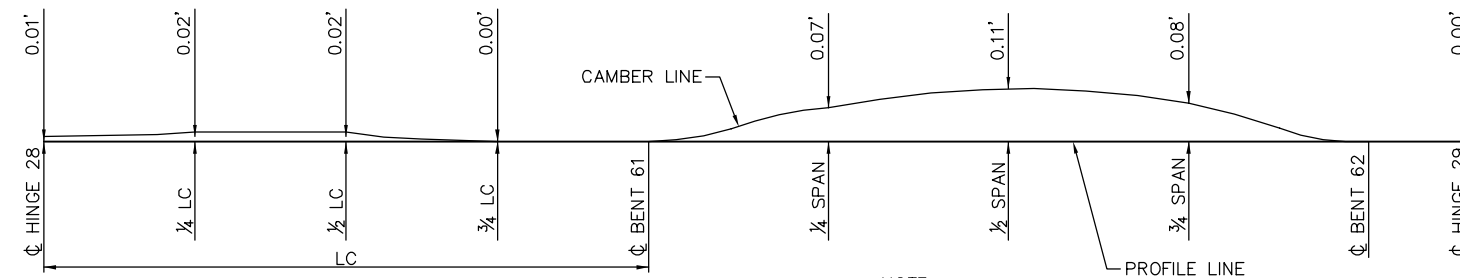
SHEET OF	DRAWING NO. SP369
REVISION	B



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 29
NTS



NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE
ALLOWANCES FOR FALSEWORK SETTLEMENT

CAMBER DIAGRAM - FRAME 29
NTS

DECK CONTOUR NOTES:

1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

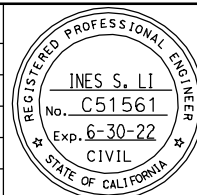
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
- STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
- STRUCTURAL CONCRETE, BRIDGE FOOTING*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
29	559K	22K

SMH Jun 21, 2020 - 9:28am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP370.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP370.dwg



APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

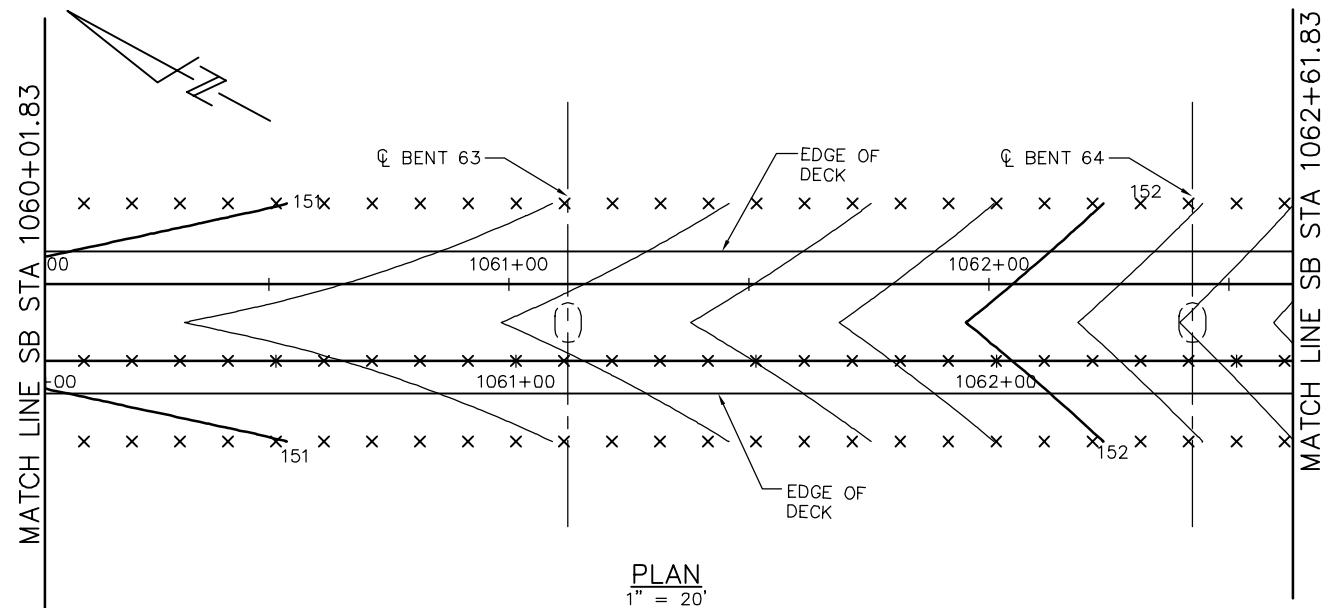
SCALE: AS SHOWN
BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 29

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP370
REVISION	B



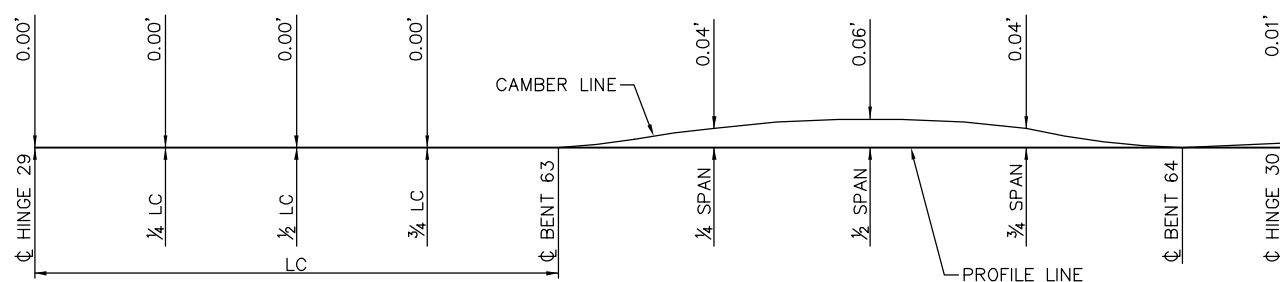
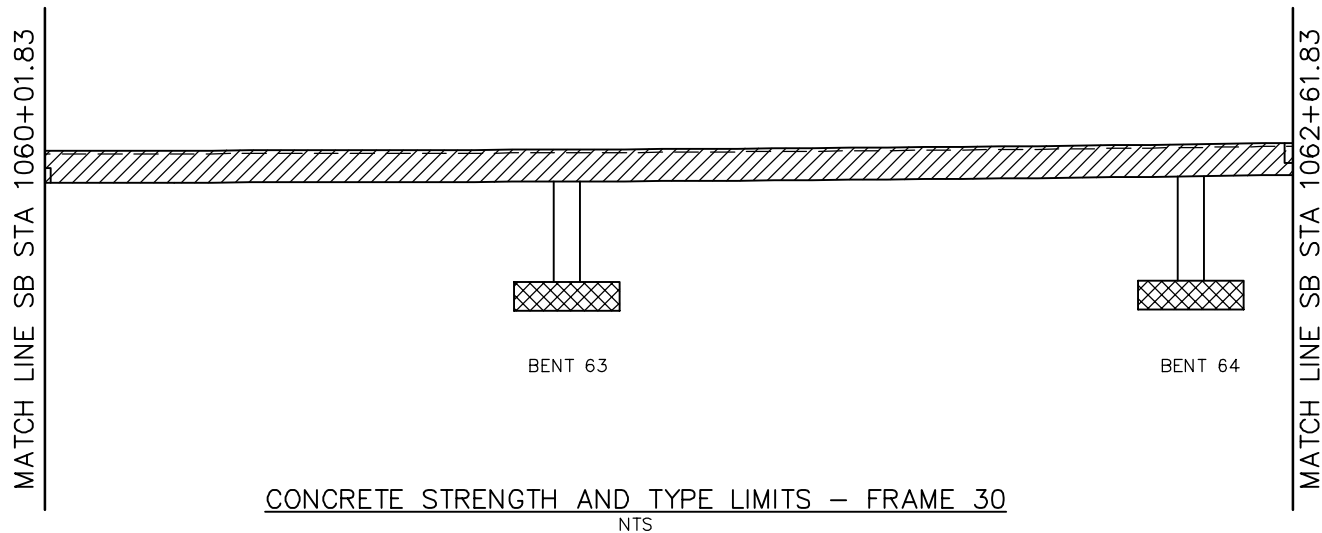
- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
- STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
- STRUCTURAL CONCRETE, BRIDGE FOOTING*

* SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
30	534K	23K

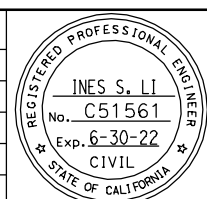


NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:29am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP371.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP371.dwg



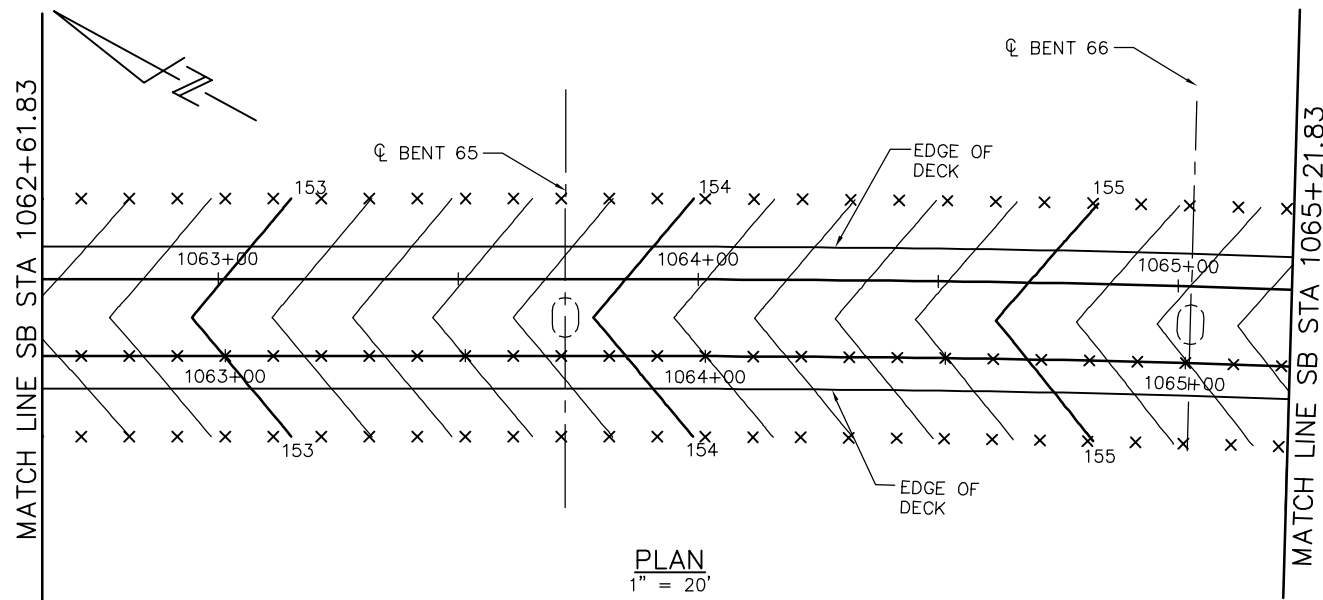
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY DECK CONTOURS - FRAME 30		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

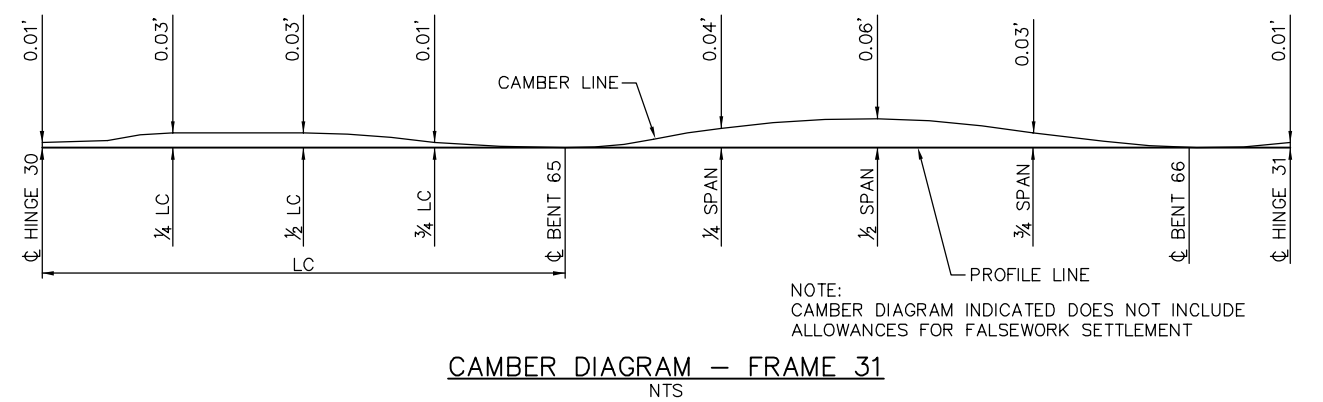
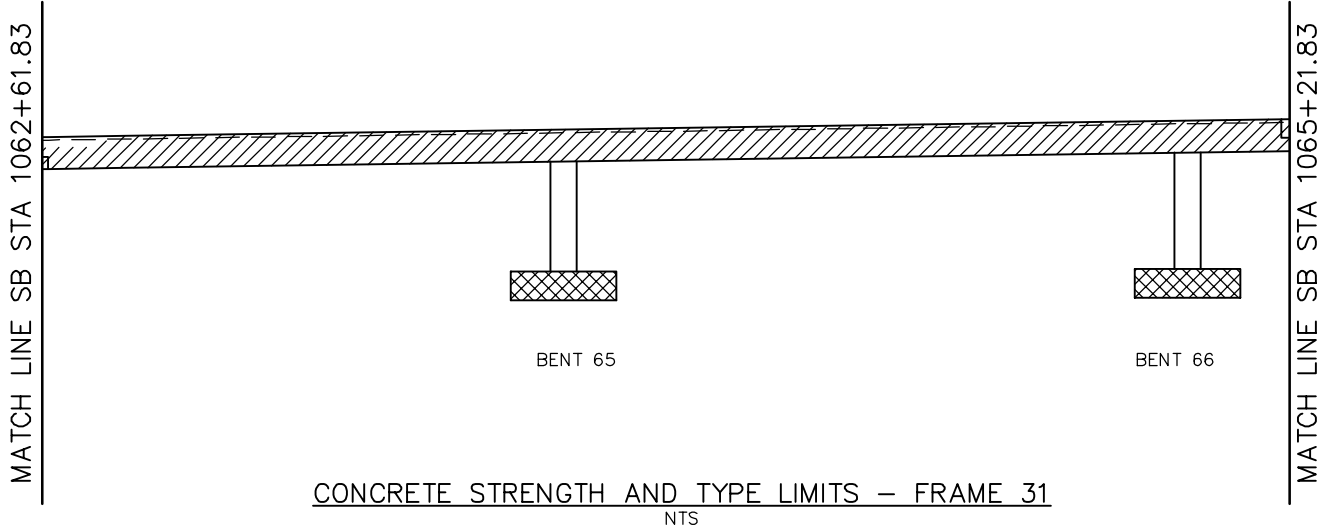
SHEET OF	DRAWING NO. SP371
REVISION	B



- DECK CONTOUR NOTES:**
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

- LEGEND**
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 21' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

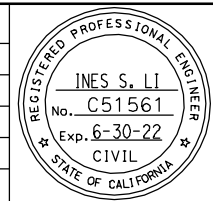
HINGE	DL REACTION	P/S REACTION
31	538K	31K



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:30am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP372.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

BCA

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP372.dwg

Santa Clara Valley Transportation Authority

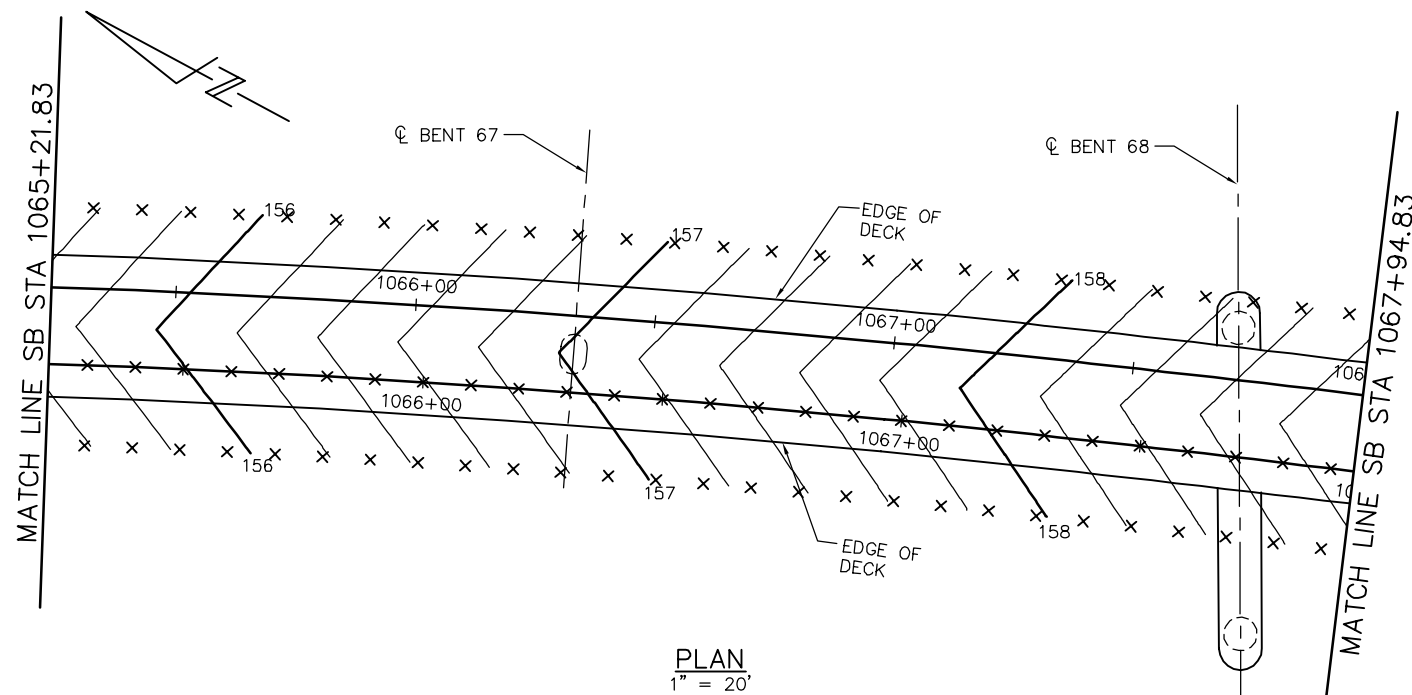
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

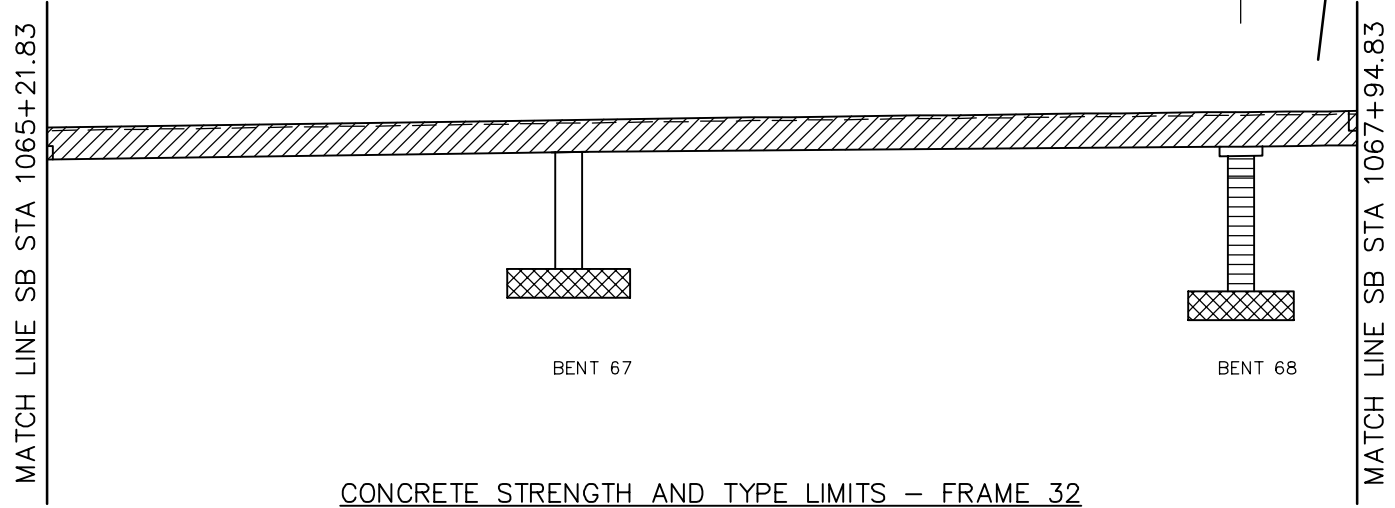
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 31

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

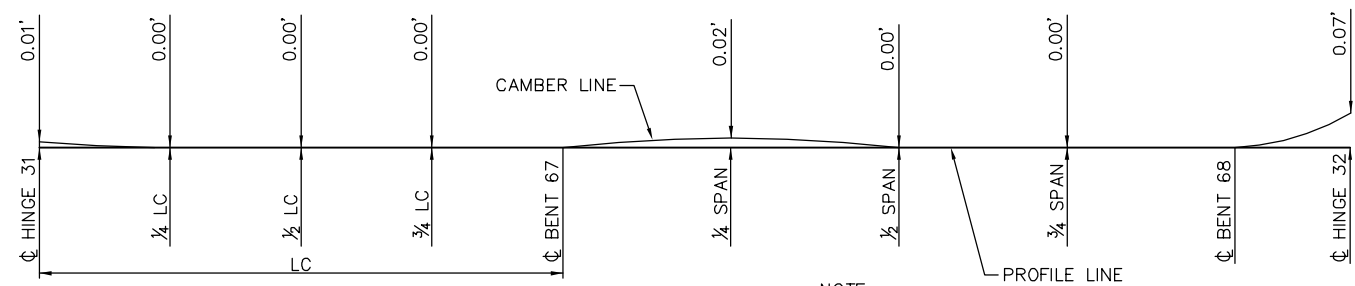
SHEET OF	DRAWING NO. SP372
REVISION	B



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 32
NTS



CAMBER DIAGRAM - FRAME 32
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE
ALLOWANCES FOR FALSEWORK SETTLEMENT

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

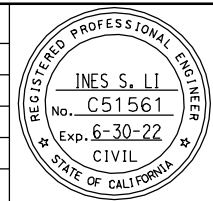
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 32' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, BRIDGE: f'c = 4 KSI
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
32	627K	28K

SMH Jun 21, 2020 - 8:30am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP373.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP373.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

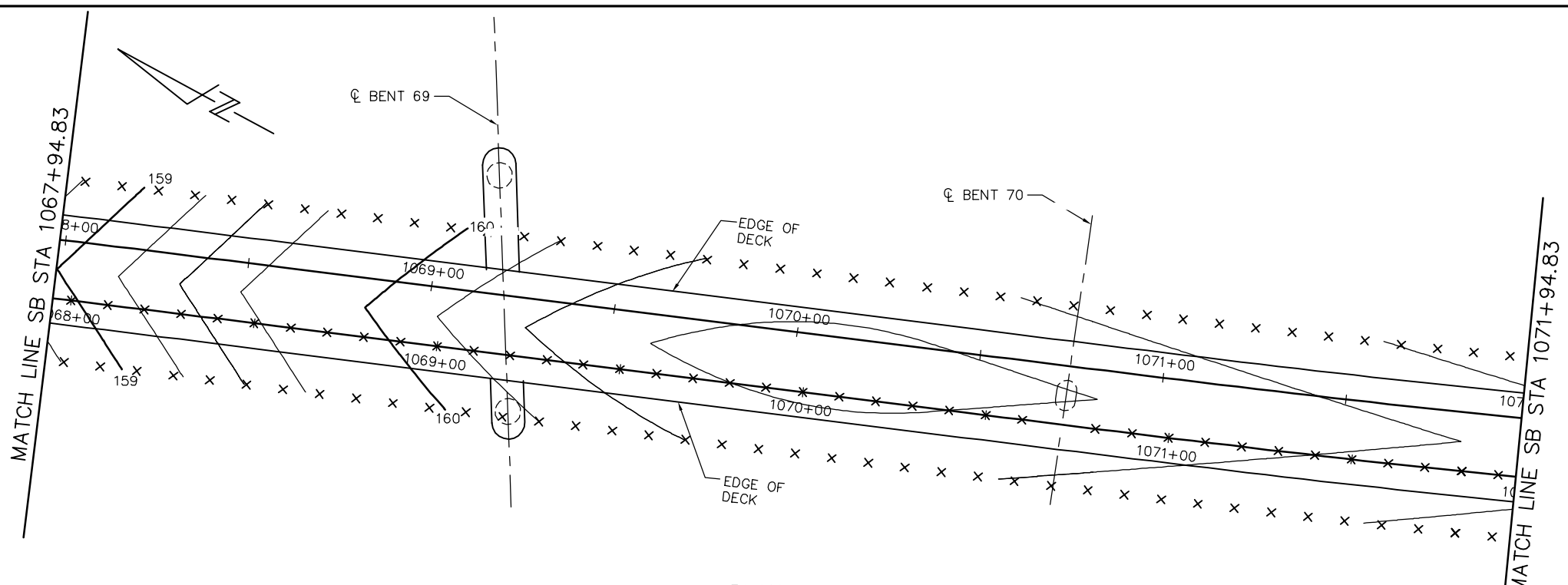
SCALE: AS SHOWN
BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 32

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP373
REVISION	B



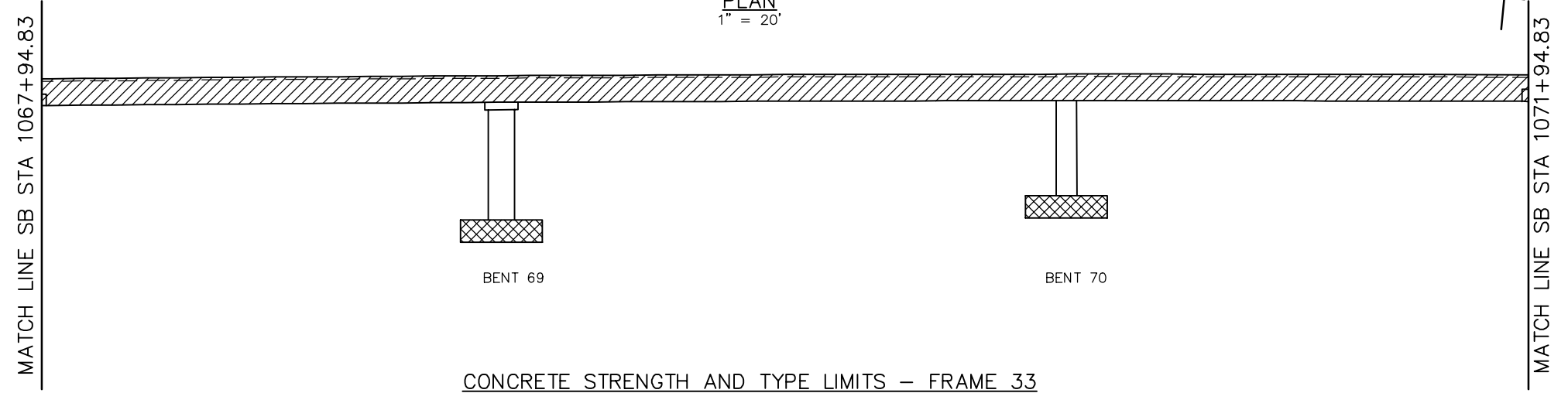
PLAN
1" = 20'

- DECK CONTOUR NOTES:
1. CONTOURS INDICATE TOP OF DECK ELEVATION.
 2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
 3. CONTOUR INTERVAL = 0.2'
 4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

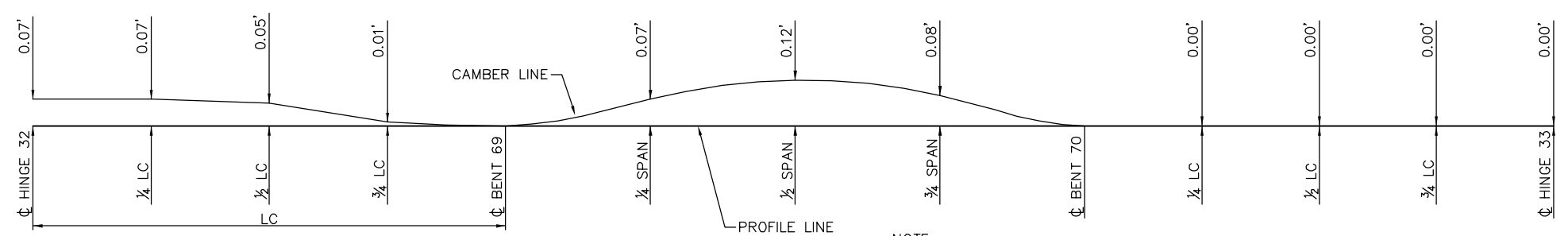
LEGEND

- STRUCTURAL CONCRETE, BRIDGE*
- STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 33' SHEET
- STRUCTURAL CONCRETE, BRIDGE FOOTING*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
33	630K	32K



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 33
NTS



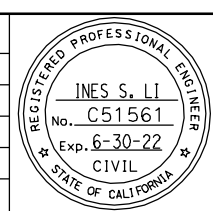
NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

CAMBER DIAGRAM - FRAME 33
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:31am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP374.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP374.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 33




PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP374
REVISION	B

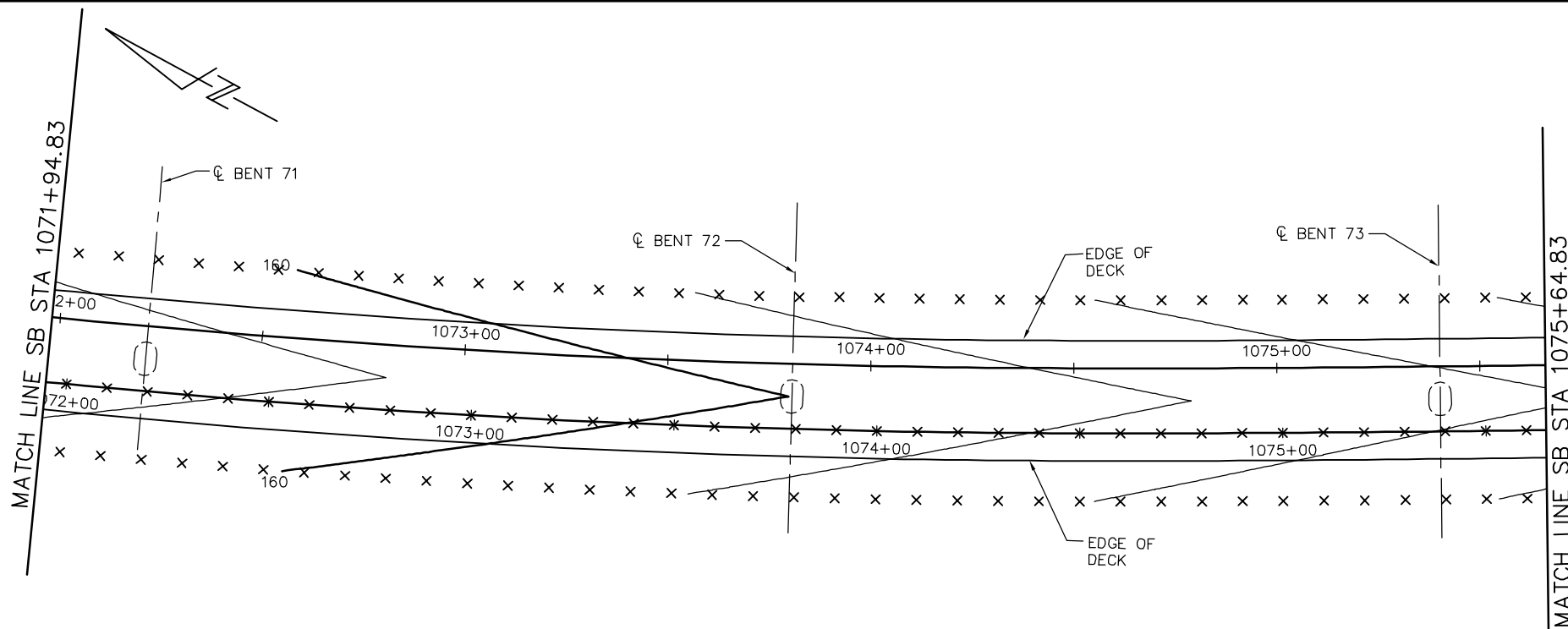
DECK CONTOUR NOTES:

1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. × INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

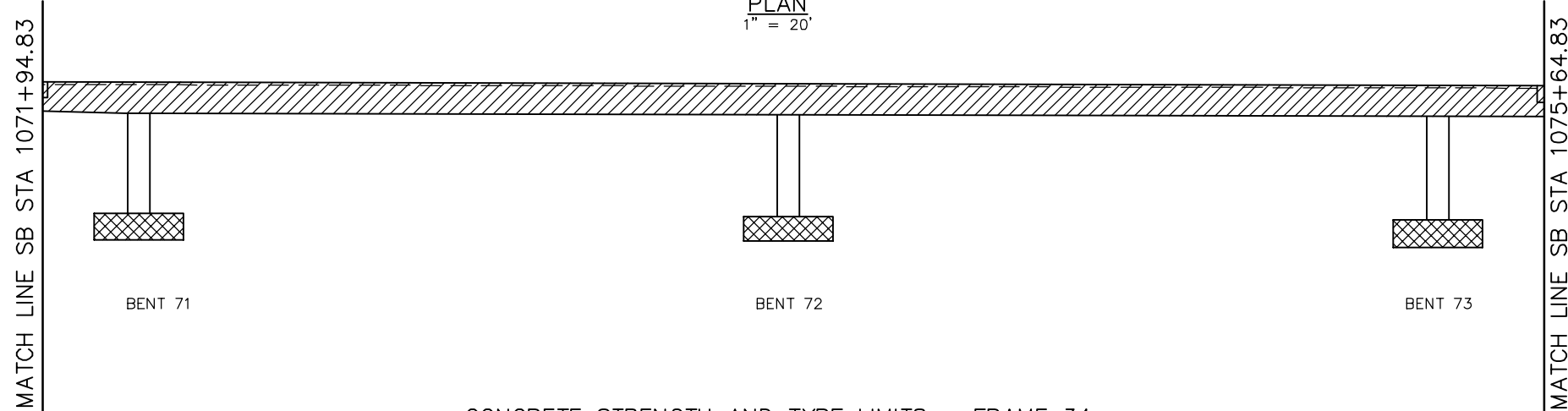
LEGEND

-  STRUCTURAL CONCRETE, BRIDGE*
-  STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 34' SHEET
-  STRUCTURAL CONCRETE, BRIDGE FOOTING*
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

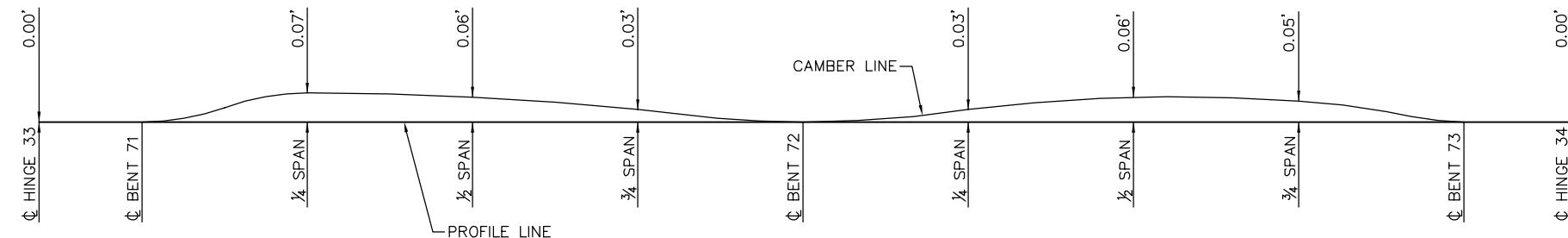
HINGE	DL REACTION	P/S REACTION
34	715K	37K



PLAN
1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 34
NTS



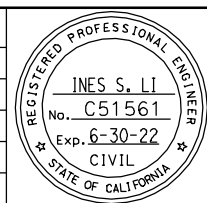
CAMBER DIAGRAM - FRAME 34
NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:31am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP375.dwg


NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET




SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP375.dwg




APPROVED



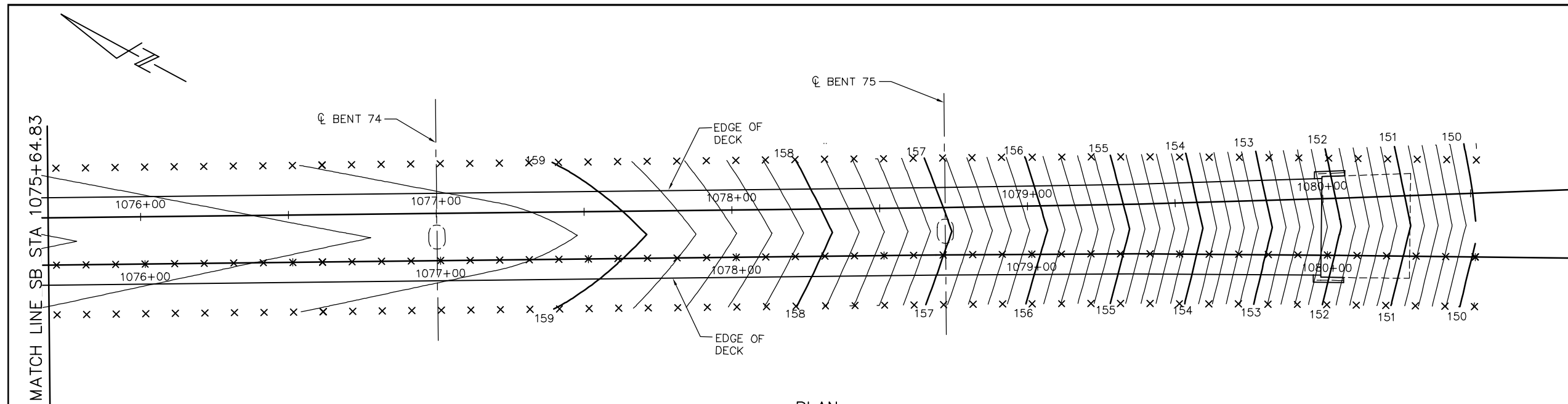
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 34

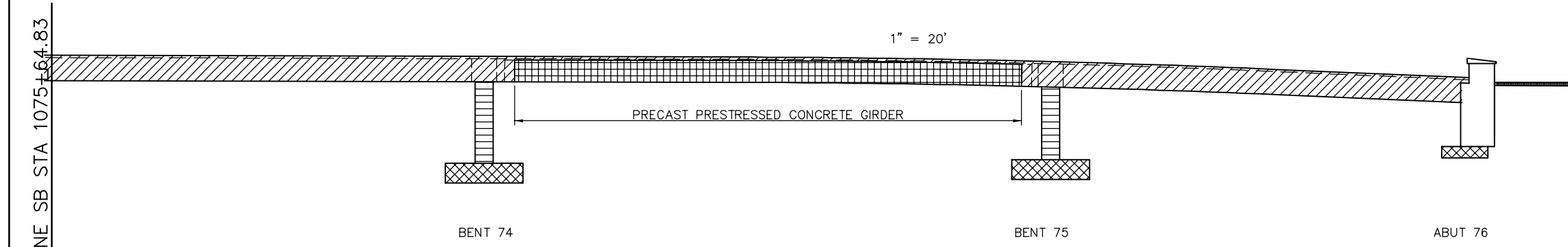
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SP375 REVISION B



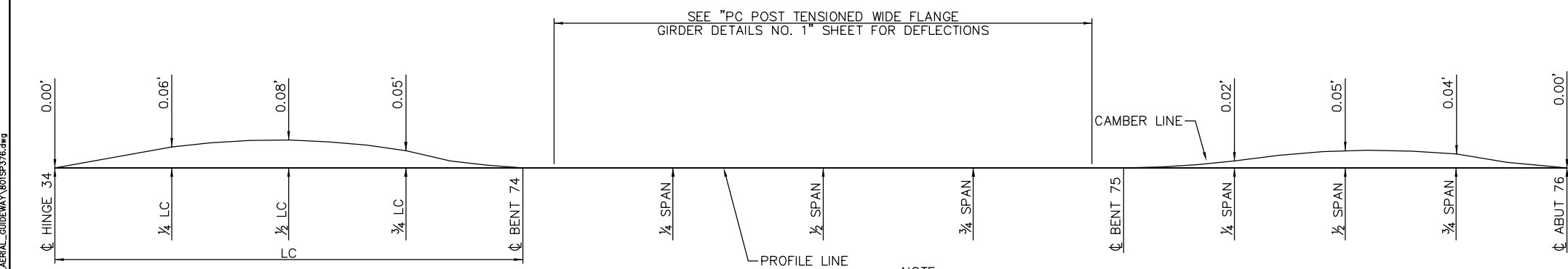
PLAN

1" = 20'



CONCRETE STRENGTH AND TYPE LIMITS - FRAME 35

NTS



CAMBER DIAGRAM - FRAME 35

NTS

NOTE:
CAMBER DIAGRAM INDICATED DOES NOT INCLUDE ALLOWANCES FOR FALSEWORK SETTLEMENT

DECK CONTOUR NOTES:

1. CONTOURS INDICATE TOP OF DECK ELEVATION.
2. x INDICATES 10' INTERVALS MEASURED ALONG STATION LINE
3. CONTOUR INTERVAL = 0.2'
4. CONTOURS DO NOT INCLUDE CAMBER OR FALSEWORK SETTLEMENT.

LEGEND

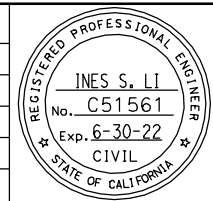
- STRUCTURAL CONCRETE, BRIDGE*
 - STRUCTURAL CONCRETE, BRIDGE, SEE 'PRESTRESSING NOTES' ON 'GIRDER LAYOUT - FRAME 35' SHEET
 - STRUCTURAL CONCRETE, BRIDGE FOOTING*
 - STRUCTURAL CONCRETE, APPROACH SLAB*
 - PRECAST PRESTRESSED CONCRETE GIRDER. SEE "PC POST TENSIONED WIDE FLANGE GIRDER DETAILS NO. 1" SHEET
 - STRUCTURAL CONCRETE, BRIDGE: f'c = 4 KSI
- * SEE "GENERAL NOTES" SHEET FOR TYPICAL CONCRETE STRENGTH

HINGE	DL REACTION	P/S REACTION
35	670K	35K

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:32am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SP376.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SP376.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

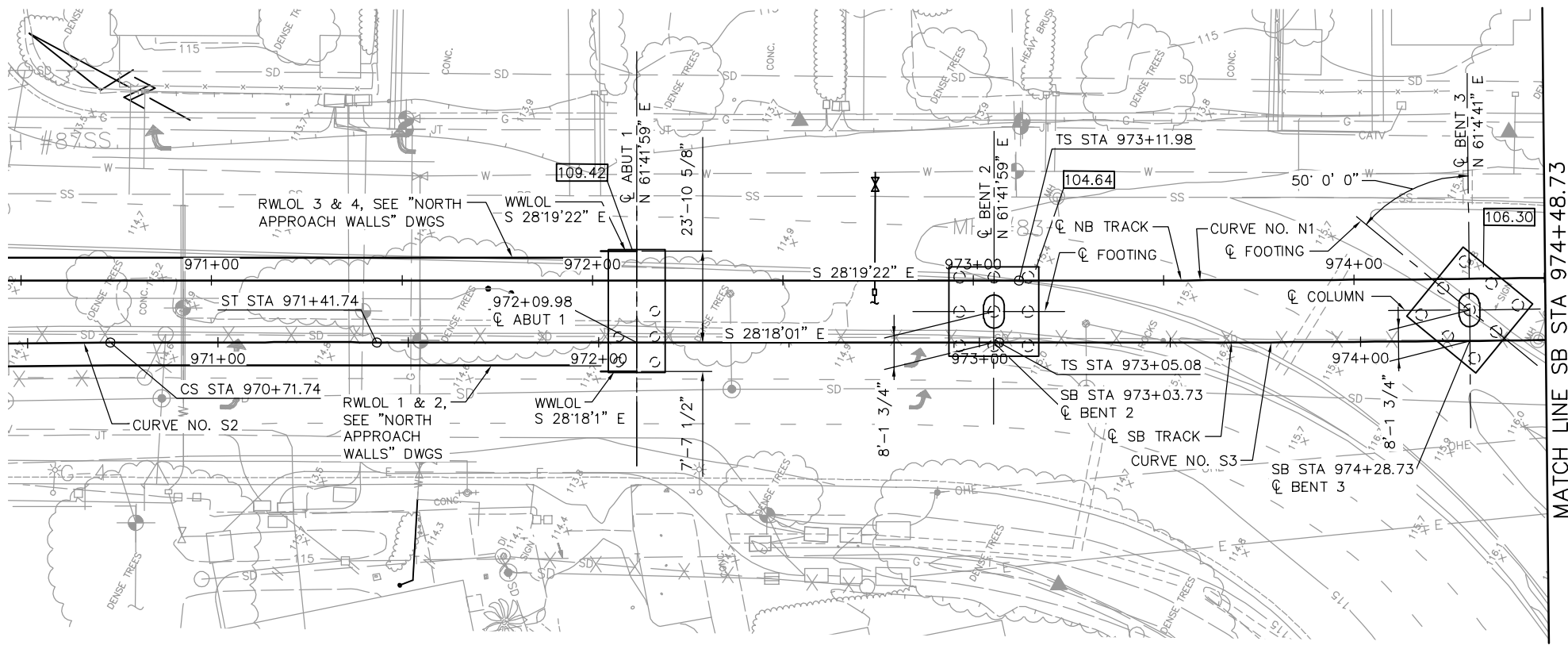
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DECK CONTOURS - FRAME 35

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP376
REVISION	B

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
ABUT 1	30" CIDH CONCRETE	560	150	45(a); 82(b); 92(c); 74(d)	45	N/A
BENT 2	36" CIDH CONCRETE	980	450	31(a); 59(b); 53(c); 54(d)	31	N/A
BENT 3	36" CIDH CONCRETE	1000	450	29(a); 59(b); 54(c); 56(d)	29	N/A

- NOTES:
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSATURABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



FOUNDATION PLAN
1" = 20'

- FOUNDATION NOTES:
- LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE ONLY, SEE UTILITY PLANS FOR MORE INFORMATION.
 - ABANDONED UTILITIES WITHIN FOOTING LIMITS SHALL BE REMOVED.
 - ☉ FOOTING = ☉ COLUMN, UON.
 - FOR TRACK ALIGNMENT, SEE TG DWGS.
 - NOT ALL PILES SHOWN FOR CLARITY.
 - FOR 18" PC/PS CONCRETE PILE DETAILS, SEE "PILE DETAILS No. 1" SHEET.
 - FOR 14" PC/PS CONCRETE PILE DETAILS, SEE CALTRANS STANDARD PLAN.
 - FOR CIDH CONCRETE PILE DETAILS, SEE "PILE DETAILS NO. 2" SHEET.
 - FOR CAST-IN-STEEL-SHELL CONCRETE PILE DETAILS, SEE "PILE DETAILS NO. 2" SHEET.
 - FOR INDICATOR PILES AND LOAD TEST PILES DETAILS, SEE "TEST PILE DETAILS" SHEET.

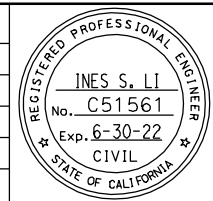
B2-8
-

- LEGEND:
- 35.51 INDICATES SPOT ELEVATIONS
 - 105.00 INDICATES BOTTOM OF FOOTING ELEVATION
 - ☉ OR = INDICATES VERTICAL PILES
 - ⇒ INDICATES BATTERED PILES

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:14pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU301.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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CADD FILENAME: 801SU301.dwg

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Santa Clara Valley
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CADD FILE DATE: 05/18/20
SCALE: 1" = 20'
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

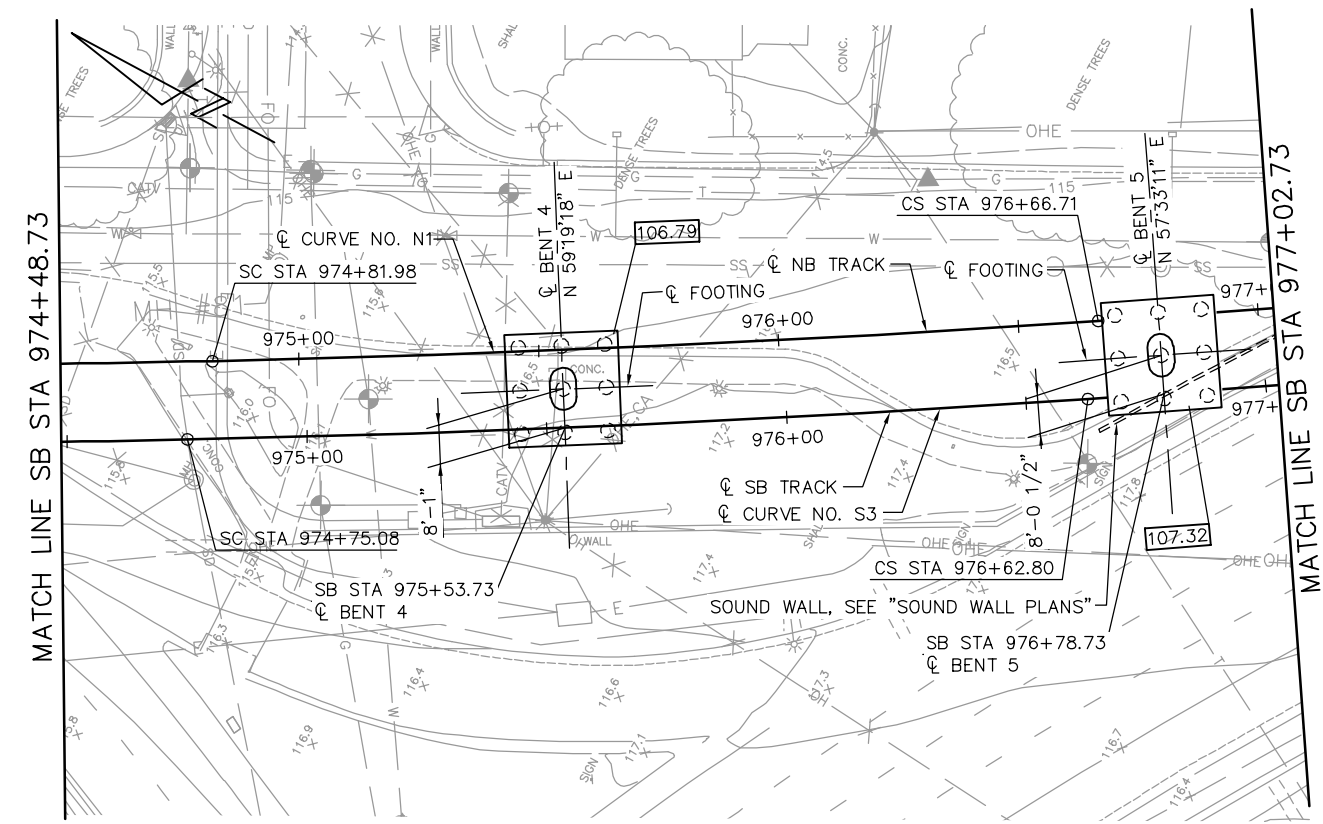
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SU301	REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 4	36" CIDH CONCRETE	1,090	560	12(a); 42(b); 78 (c); 52 (d)	12	N/A
BENT 5	36" CIDH CONCRETE	1,060	440	17(a); 52(b); 29 (c); 52 (d)	17	N/A

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



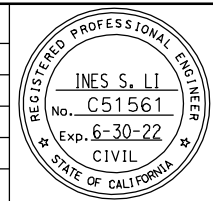
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:14pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SU302.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
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CADD FILENAME: 801SU302.dwg

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 2

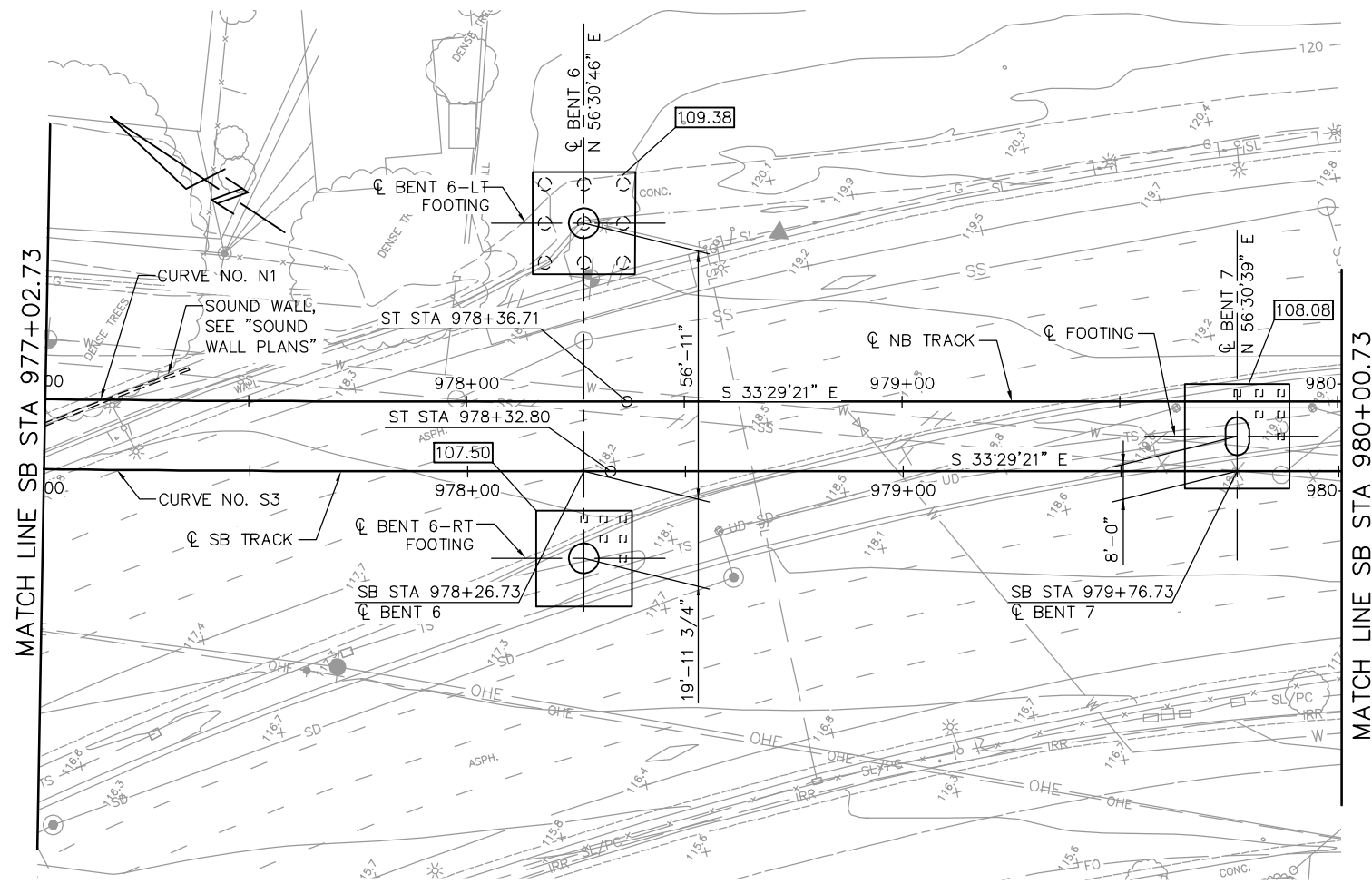
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU302
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 6-E	36" CIDH CONCRETE	800	330	31(a); 69(b); 52(c); 54(d)	31	N/A
BENT 6-W	18" PC/PS CONCRETE	400	190	64(a); 83(b); 49(c); 67(d)	49	880
BENT 7	18" PC/PS CONCRETE	500	250	50(a); 58(b); 58(c); 53(d)	50	570

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSATURATED LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

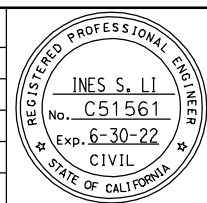


FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.
PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:15pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU303.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CADD FILENAME: 801SU303.dwg

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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 3

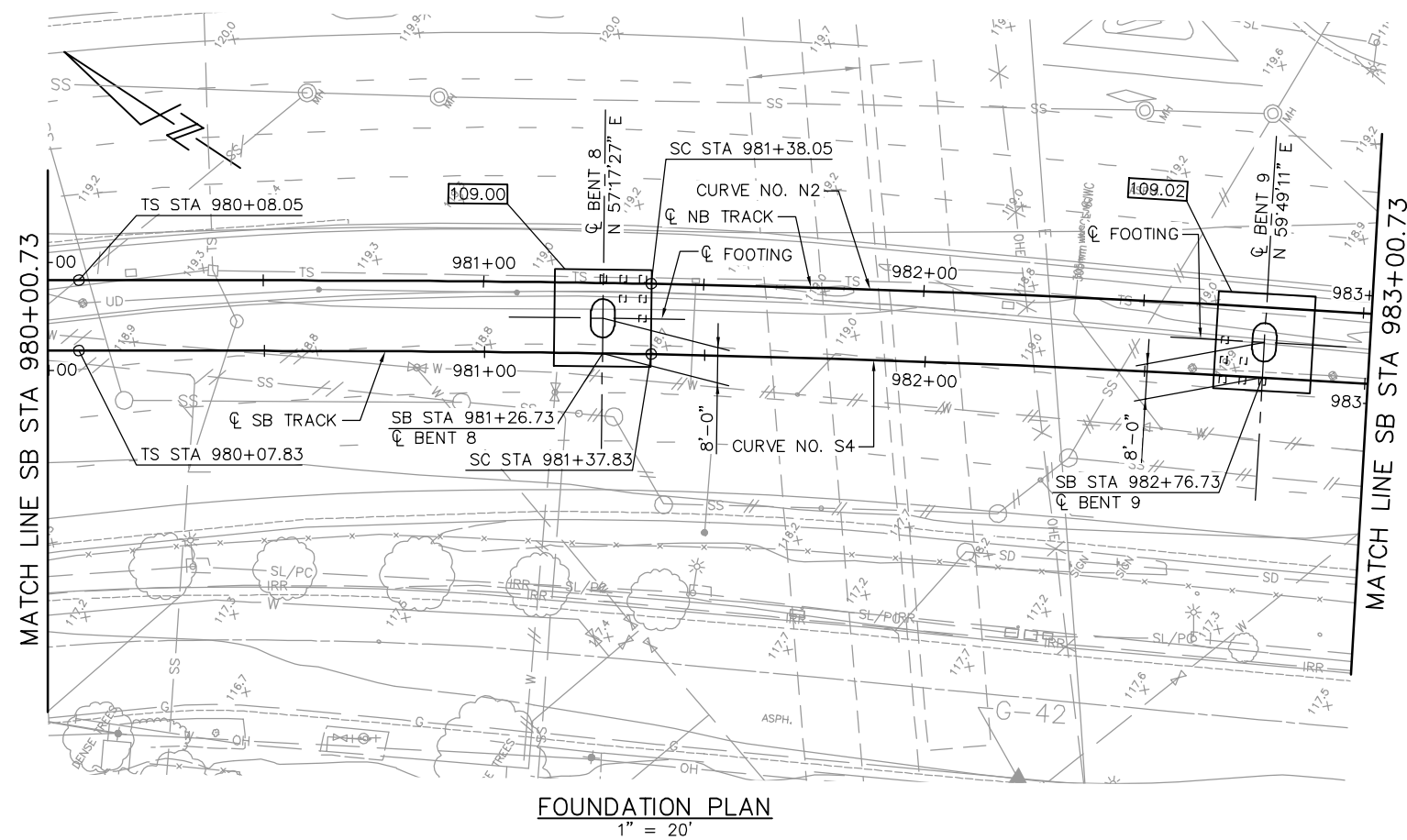
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SU303
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 8	18" PC/PS CONCRETE	500	290	53(a); 59(b); 59(c); 64 (d)	53	540
BENT 9	18" PC/PS CONCRETE	490	260	53(a); 59(b); 58(c); 55 (d)	53	530

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

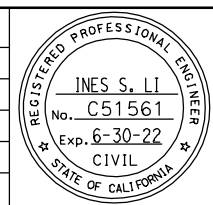


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:15pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU304.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CADD FILENAME: 801SU304.dwg

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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 4

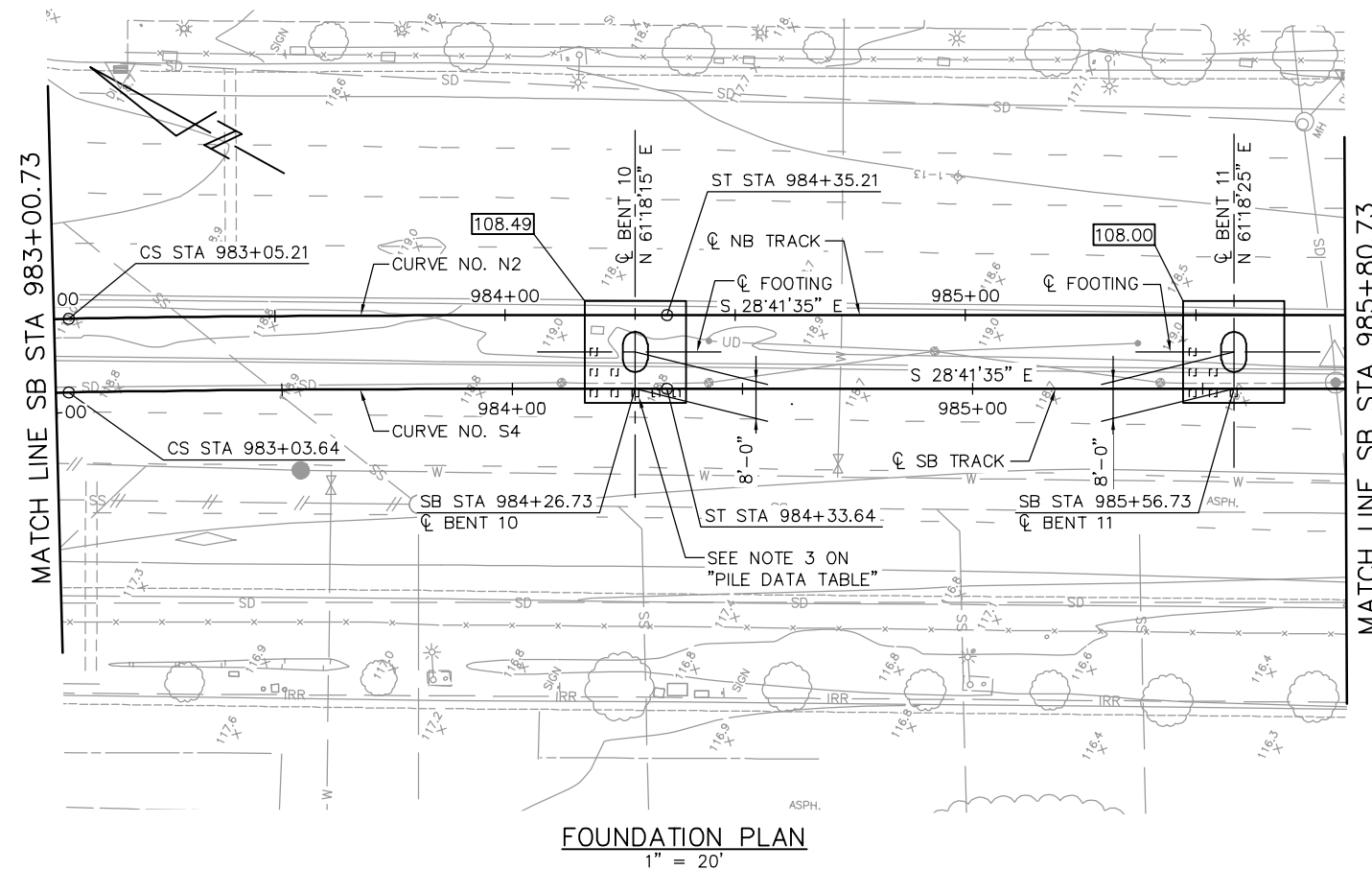
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SU304
REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 10	18" PC/PS CONCRETE	500	290	53(a); 58(b); 58(c); 65(d)	53	540
BENT 11	18" PC/PS CONCRETE	510	290	57(a); 67(b); 58(c); 63(d)	57	680

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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- UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

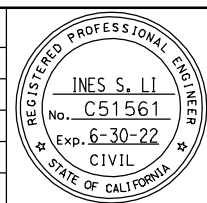


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:16pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU305.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CADD FILENAME: 801SU305.dwg



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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

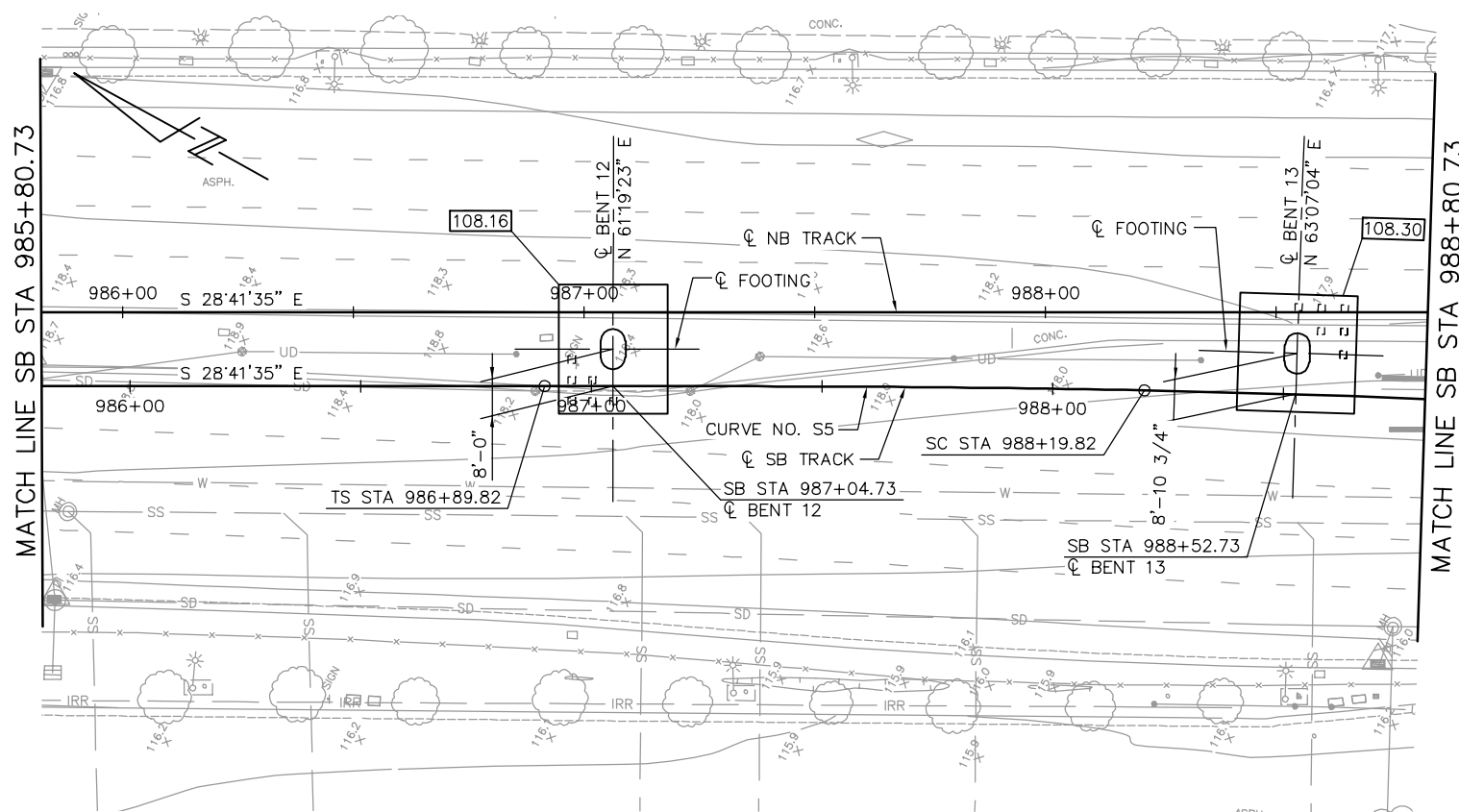
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU305
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 12	18" PC/PS CONCRETE	420	220	62(a); 78(b); 50(c); 64(d)	50	660
BENT 13	18" PC/PS CONCRETE	470	220	22(a); 64(b); 50(c); 30(d)	22	740

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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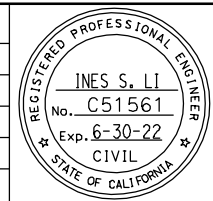
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:16pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU306.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CADD FILENAME: 801SU306.dwg

Santa Clara Valley Transportation Authority

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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

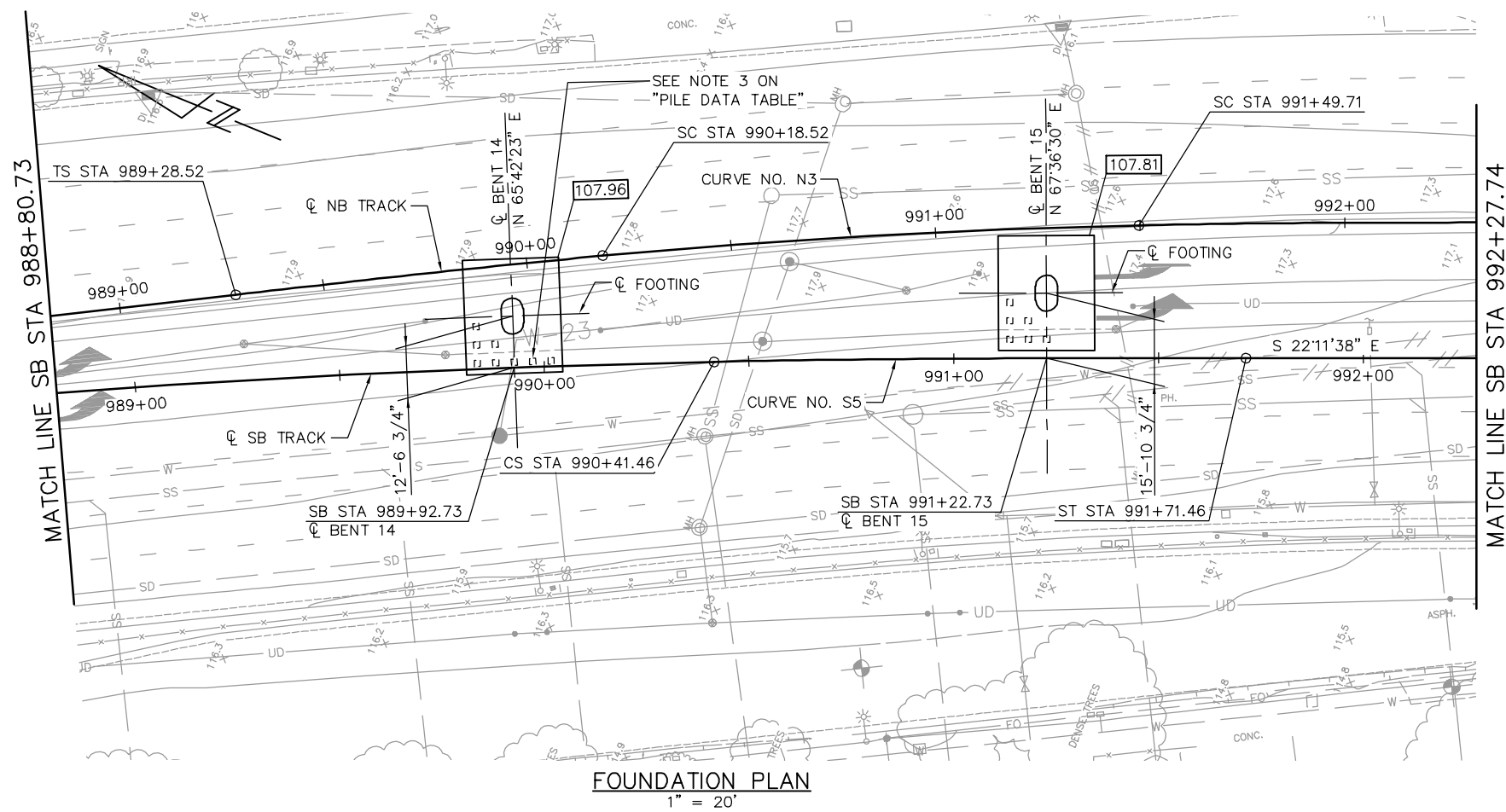
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 6

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU306
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 14	18" PC/PS CONCRETE	420	210	62(a); 77(b); 46(c); 63(d)	46	640
BENT 15	18" PC/PS CONCRETE	430	210	61(a); 79(b); 46(c); 59(d)	46	640

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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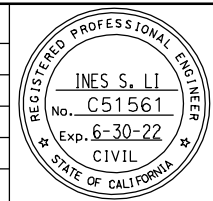
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:17pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SU307.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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CADD FILENAME: 801SU307.dwg

Santa Clara Valley Transportation Authority

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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 7

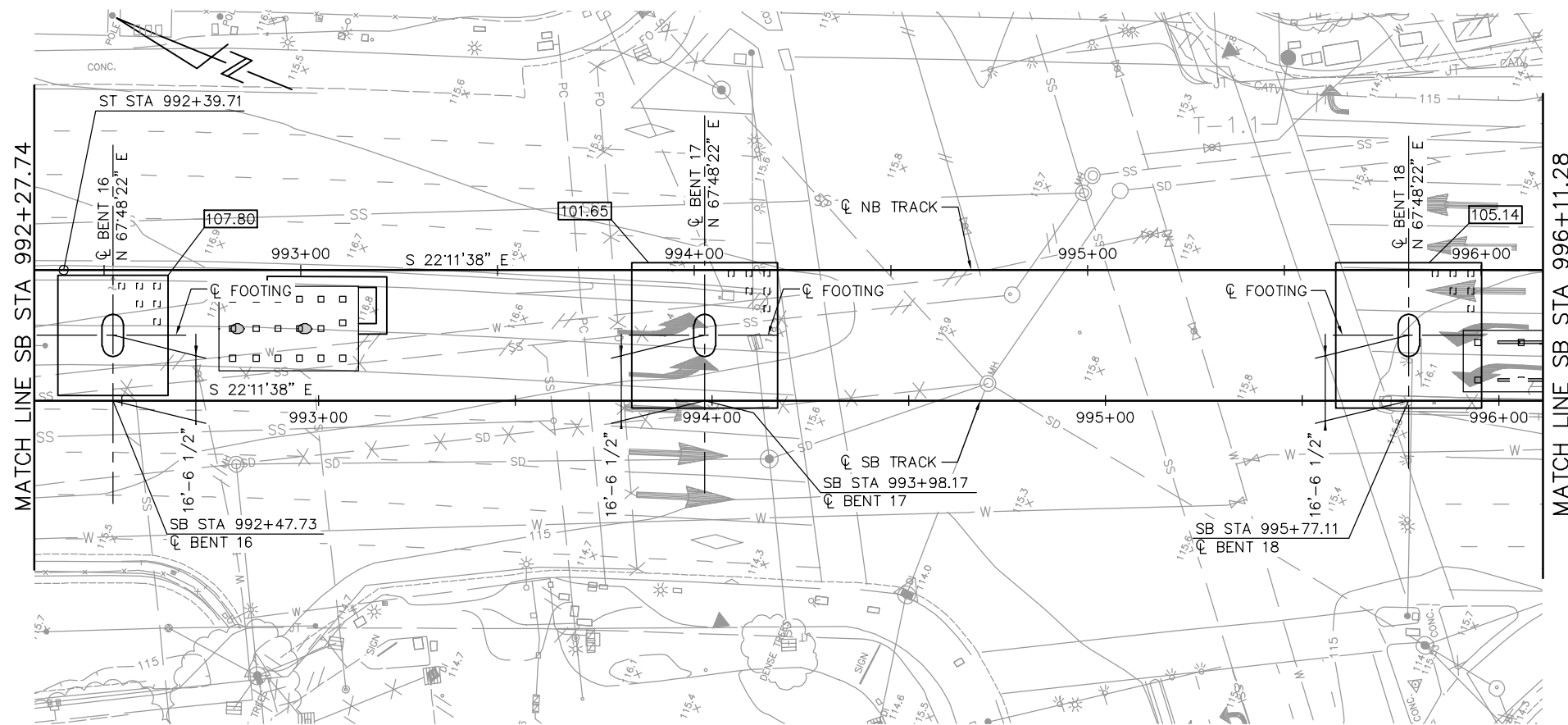
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU307
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 16	18" PC/PS CONCRETE	480	240	30(a); 65(b); 40(c); 58(d)	30	760
BENT 17	18" PC/PS CONCRETE	450	250	34(a); 62(b); 16(c); 37(d)	16	840
BENT 18	18" PC/PS CONCRETE	440	270	58(a); 70(b); 30(c); 58(d)	30	980

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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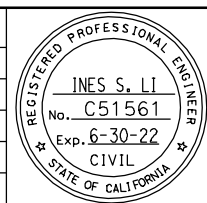
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:17pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SU308.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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DRAWN: S. HICKEY
CADD FILENAME: 801SU308.dwg



APPROVED

CADD FILE DATE: 05/18/20
SCALE: 1" = 20'
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 8

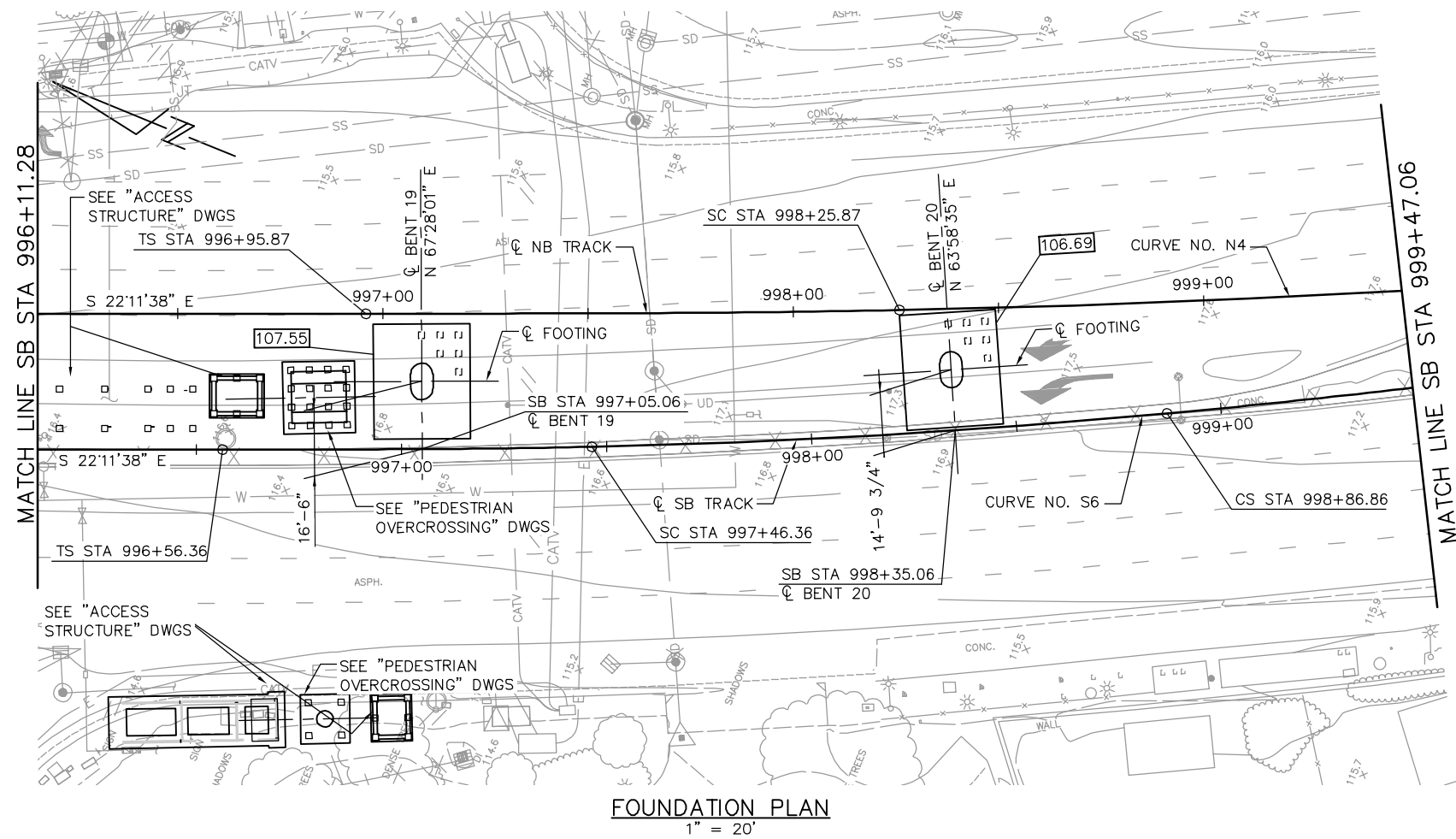
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SU308
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 19	18" PC/PS CONCRETE	420	210	55(a); 76(b); 39(c); 61(d)	39	600
BENT 20	18" PC/PS CONCRETE	430	200	55(a); 75(b); 38(c); 56(d)	38	600

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSATURABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

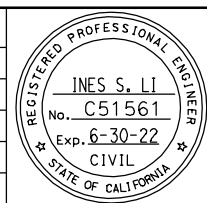


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:18pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SU309.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILE NAME 801SU309.dwg

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CADD FILE DATE 05/18/20
SUBMITTAL DATE 06/29/20

SCALE 1" = 20'
BOARD APPROVAL DATE

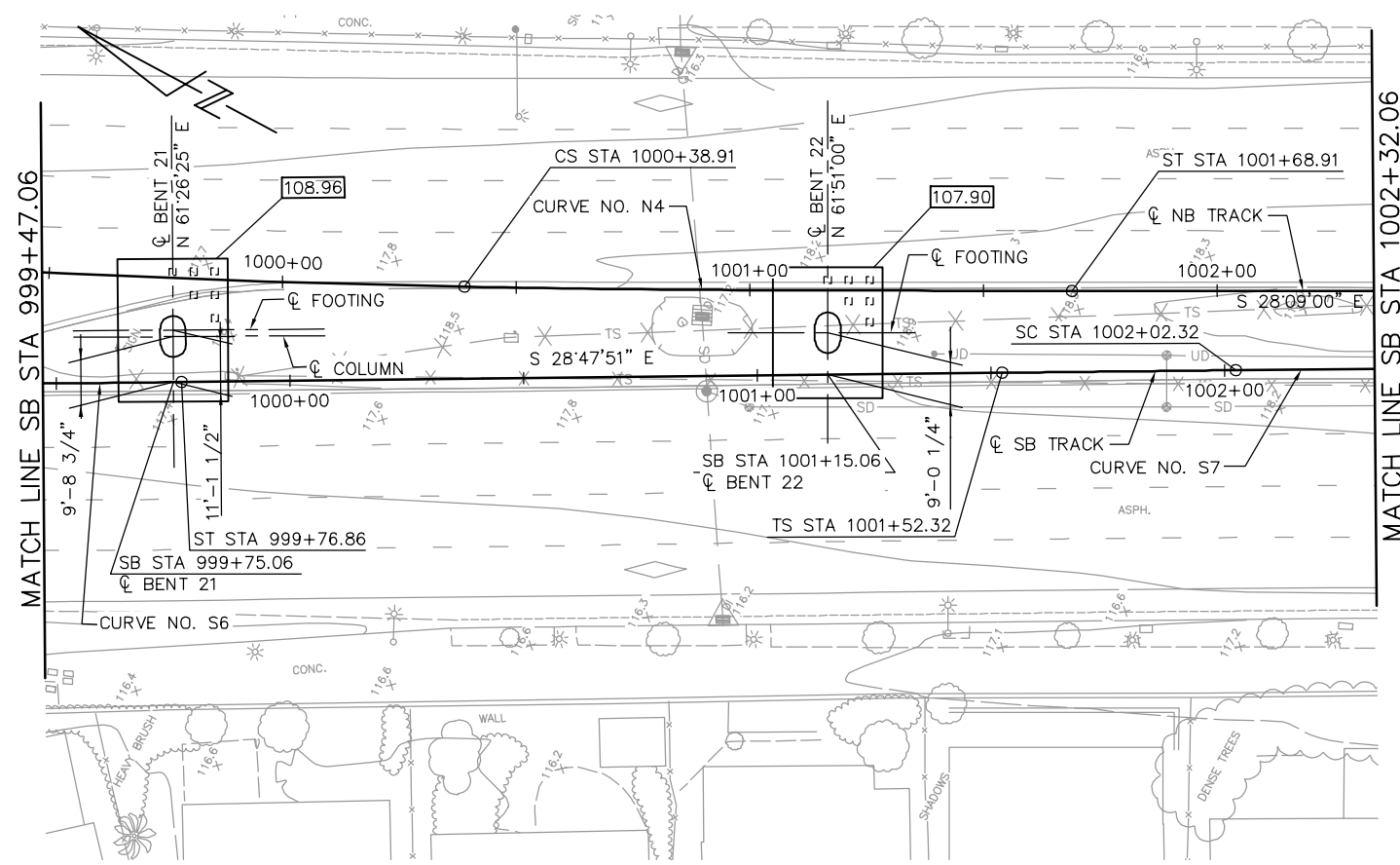
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 9

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SU309
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 21	18" PC/PS CONCRETE	470	250	67(a); 73(b); 70(c); 69(d)	67	660
BENT 22	18" PC/PS CONCRETE	430	240	68(a); 74(b); 77(c); 68(d)	68	670

- NOTES:
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



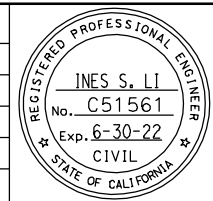
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:18pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU310.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
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San Jose, California 95128
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DRAWN: S. HICKEY
CADD FILENAME: 801SU310.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

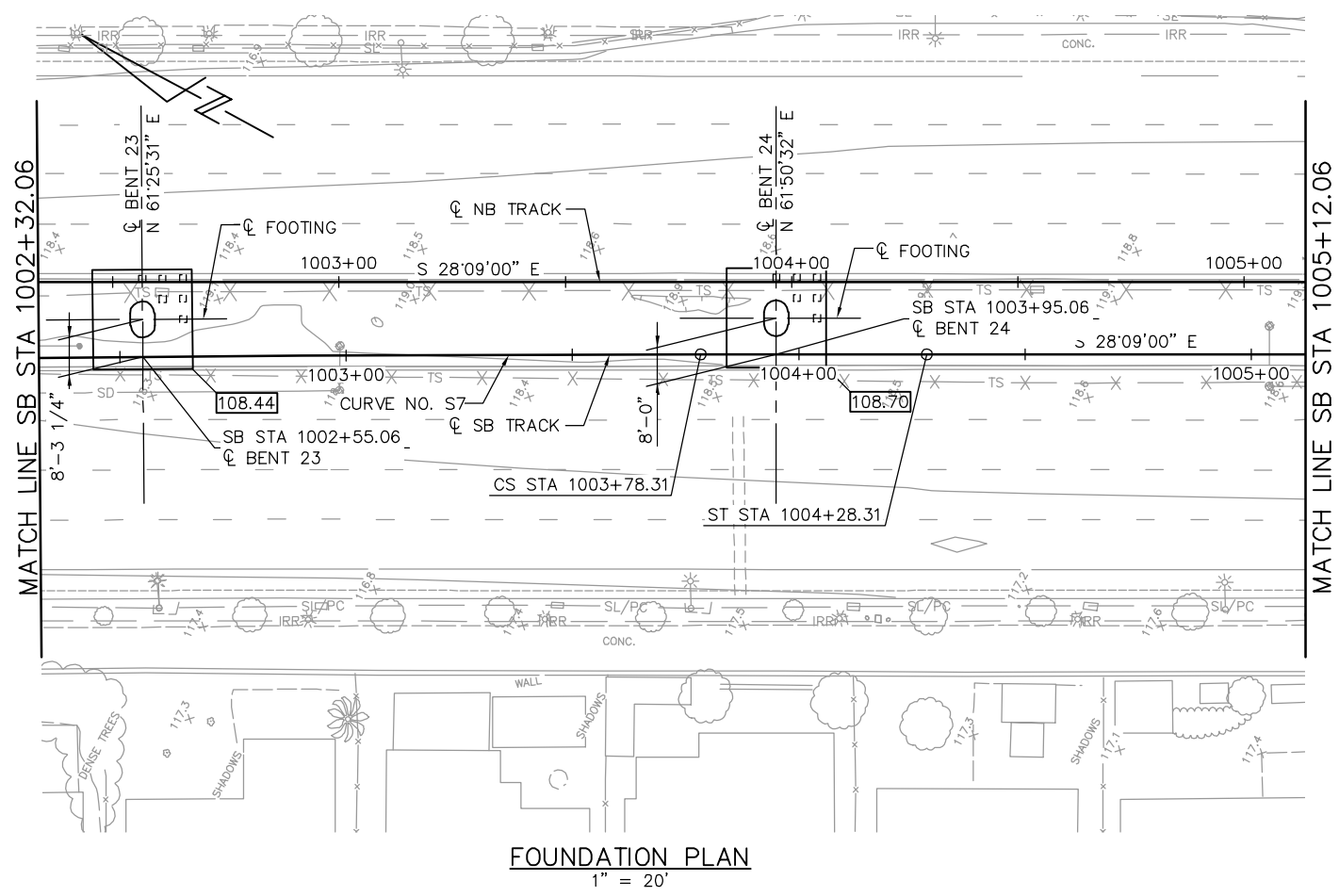
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 10

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SU310
REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 23	18" PC/PS CONCRETE	460	230	60(a); 76(b); 49(c); 68(d)	49	580
BENT 24	18" PC/PS CONCRETE	460	230	60(a); 76(b); 49(c); 69(d)	49	580

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



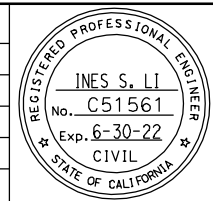
FOUNDATION PLAN
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NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:19pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU311.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
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San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU311.dwg

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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL

CAPITOL AERIAL GUIDEWAY FOUNDATION PLAN - FRAME 11

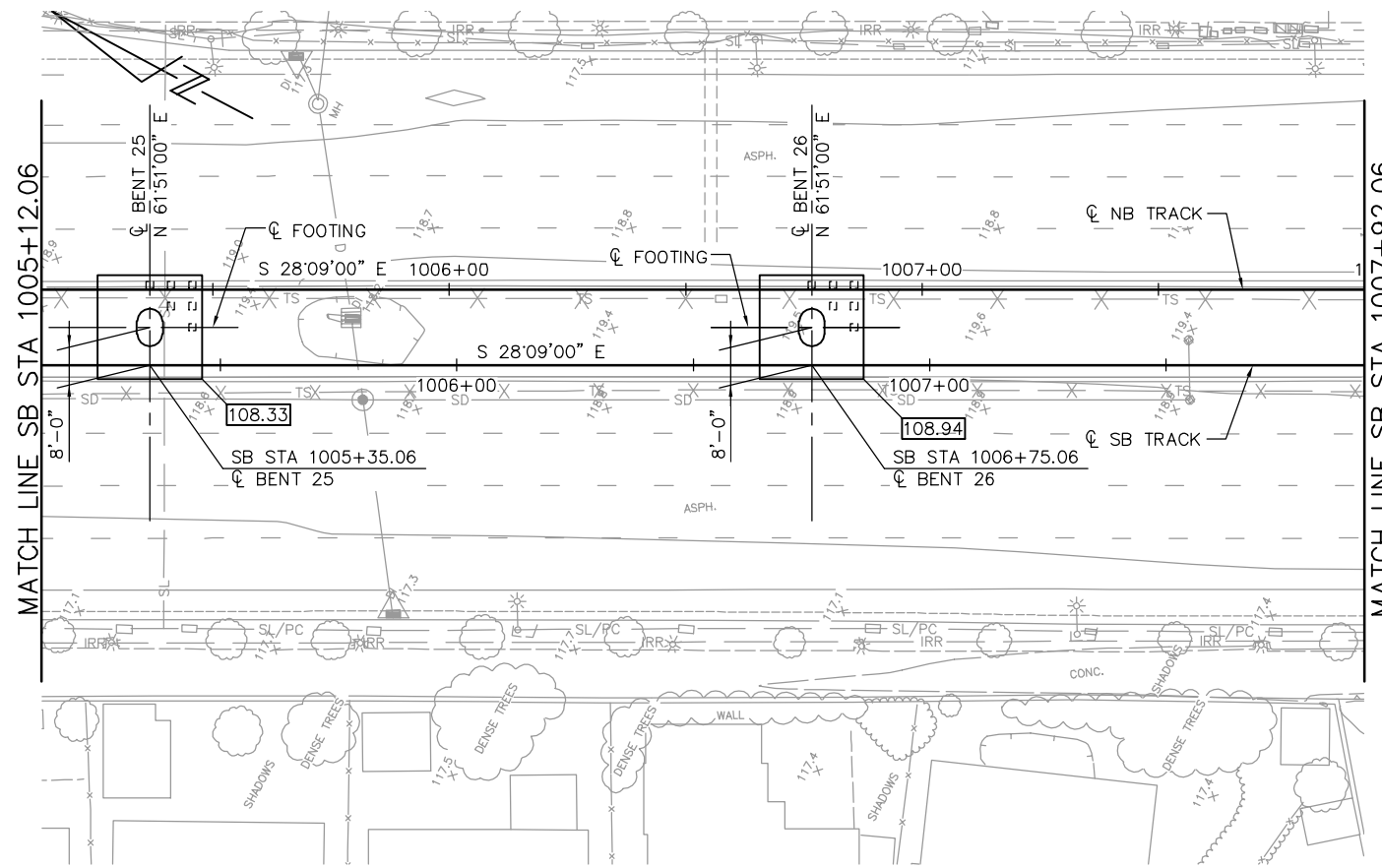
PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU311
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 25	18" PC/PS CONCRETE	460	230	60(a); 76(b); 49(c); 68(d)	49	580
BENT 26	18" PC/PS CONCRETE	460	230	15(a); 55(b); 37(c); 49(d)	15	830

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



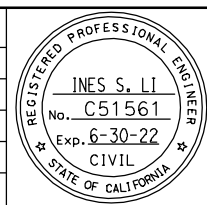
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:19pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU312.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
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CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILENAME: 801SU312.dwg

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Transportation
Authority

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CADD FILE DATE: 05/28/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

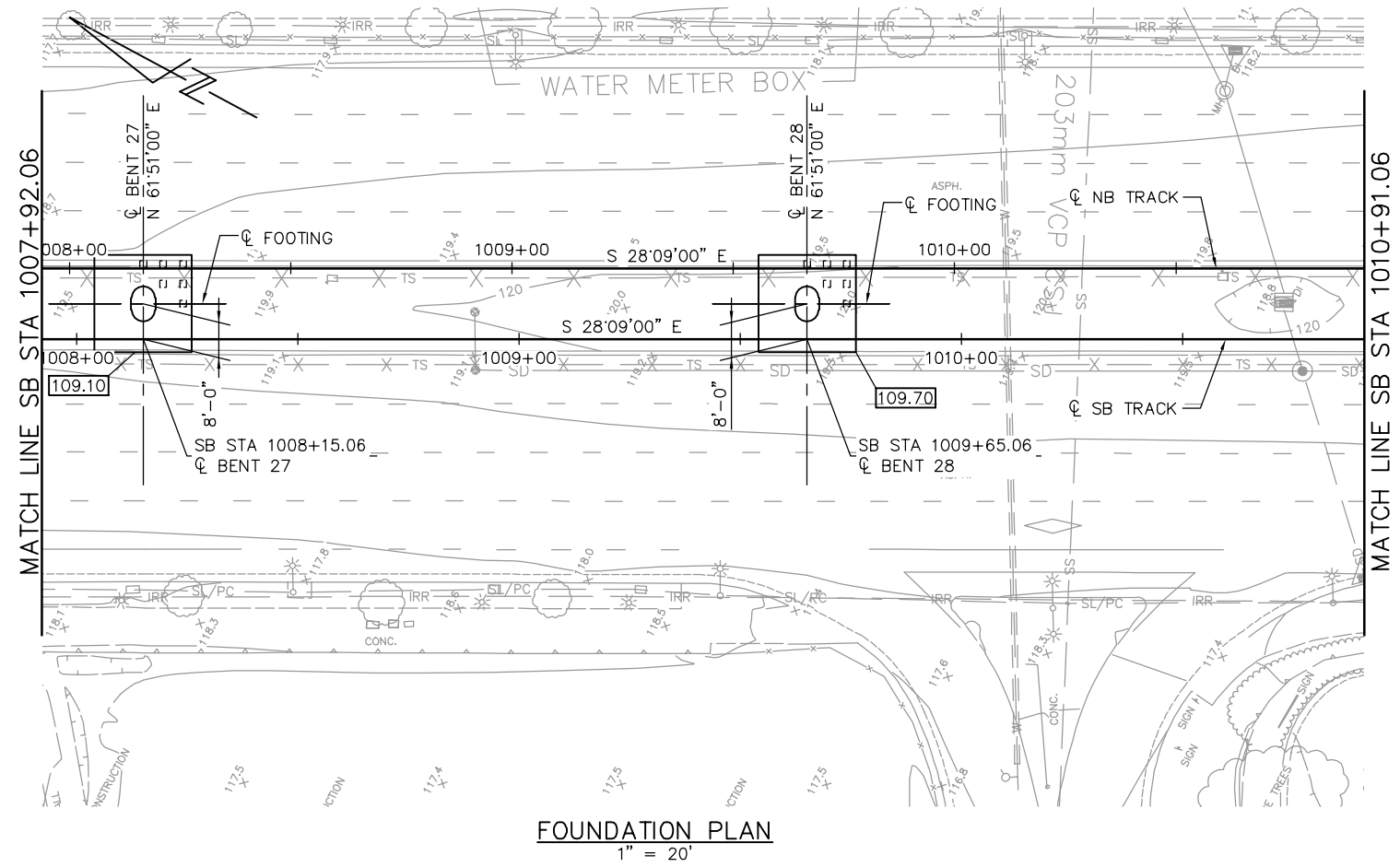
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 12

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF: SU312 REVISION: C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 27	18" PC/PS CONCRETE	450	230	16(a); 55(b); 38(c); 54(d)	16	830
BENT 28	18" PC/PS CONCRETE	450	230	38(a); 62(b); 58(c); 70(d)	38	720

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

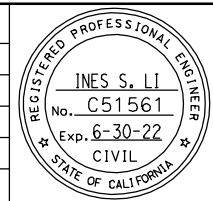


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:19pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU313.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CADD FILENAME: 801SU313.dwg



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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

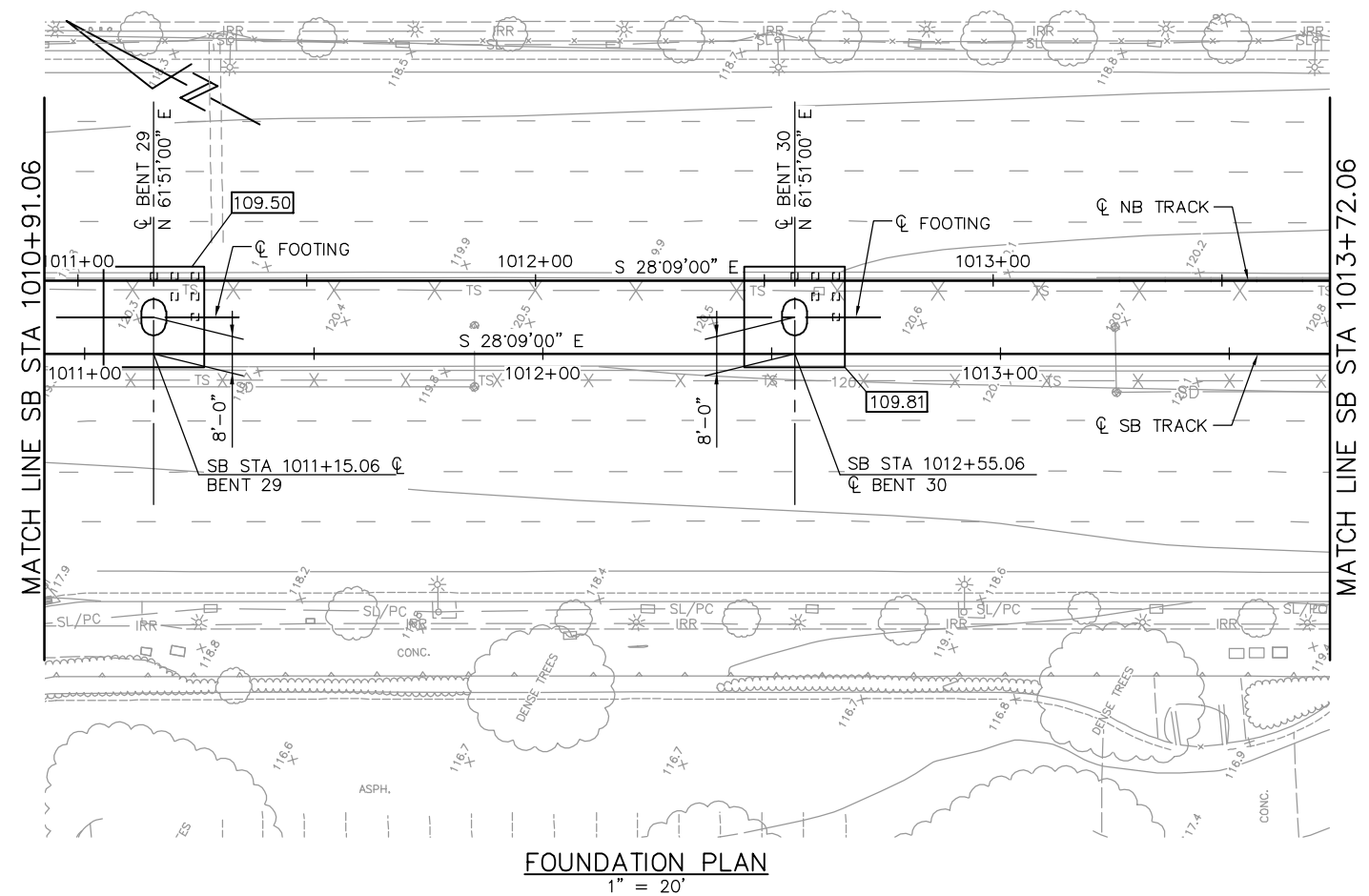
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 13

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SU313
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 29	18" PC/PS CONCRETE	460	230	37(a); 62(b); 58(c); 69(d)	37	740
BENT 30	18" PC/PS CONCRETE	460	250	56(a); 68(b); 45(c); 65(d)	45	920

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

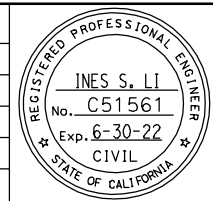


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:20pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU314.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
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San Jose, California 95128
408-296-5515

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILENAME: 801SU314.dwg

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 14

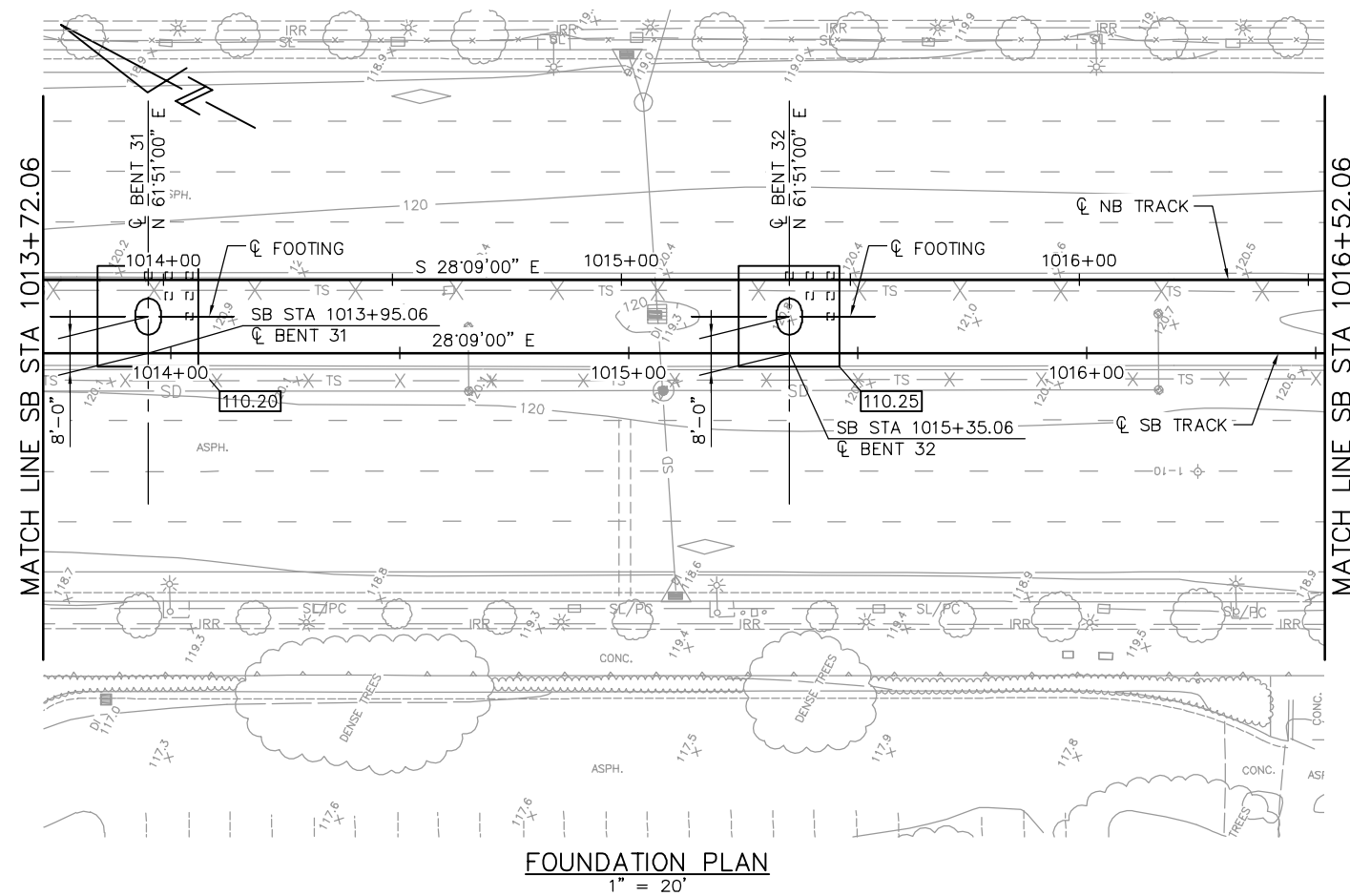
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU314
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 31	18" PC/PS CONCRETE	460	230	56(a); 71(b); 46(c); 65(d)	46	920
BENT 32	18" PC/PS CONCRETE	460	230	65(a); 76(b); 66(c); 75(d)	65	820

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

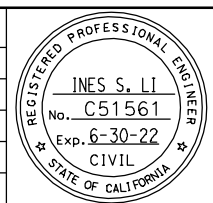


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:20pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU315.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
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San Jose, California 95128
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DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SU315.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 15

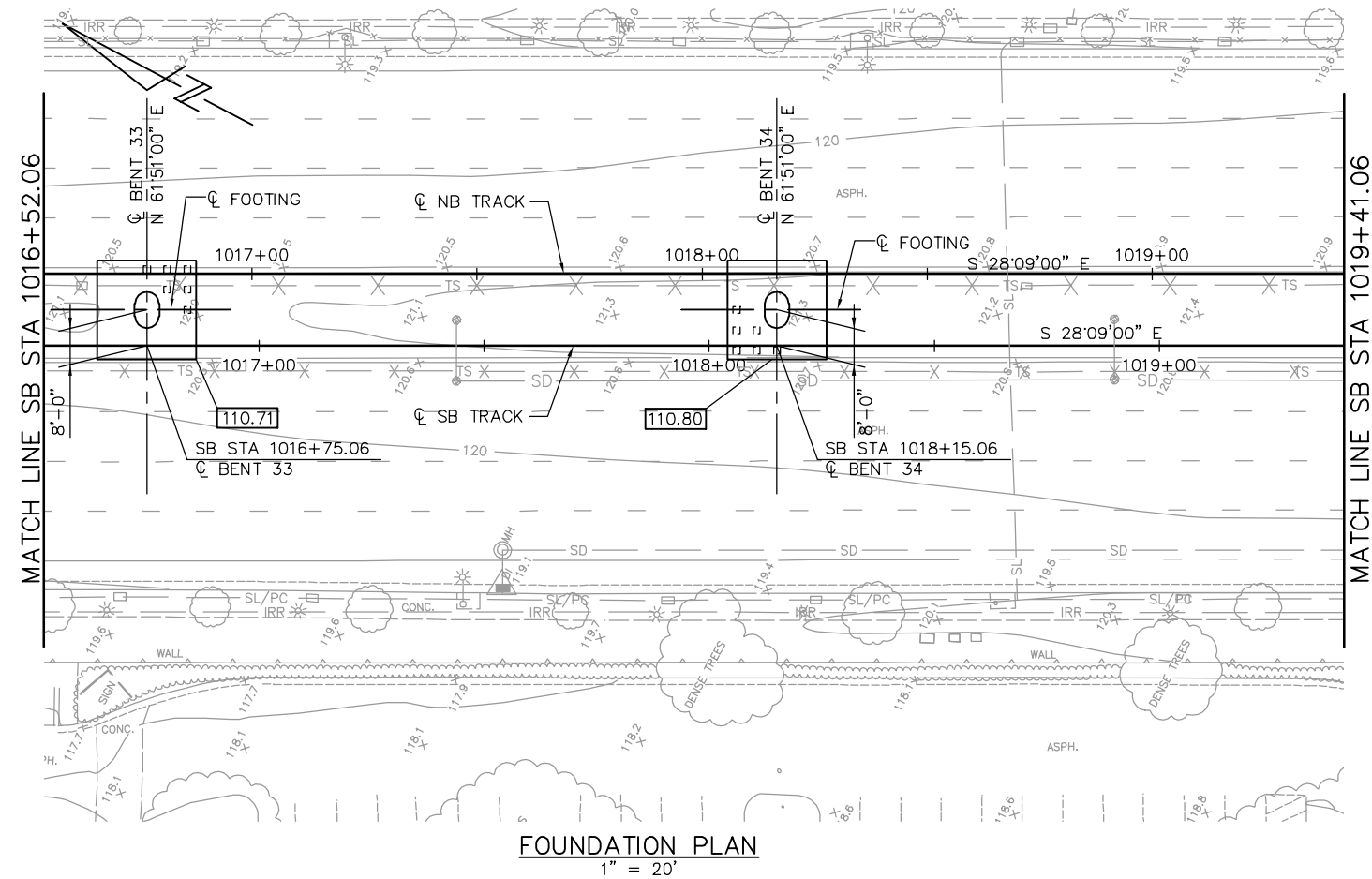
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SU315 REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 33	18" PC/PS CONCRETE	460	240	66(a); 74(b); 54(c); 71(d)	54	780
BENT 34	18" PC/PS CONCRETE	450	240	66(a); 76(b); 54(c); 76(d)	54	790

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

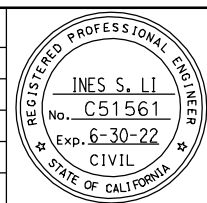


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:21pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SU316.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
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San Jose, California 95128
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DESIGNED: D. CHAN
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CHECKED: D. DEVLIN
CADD FILENAME: 801SU316.dwg

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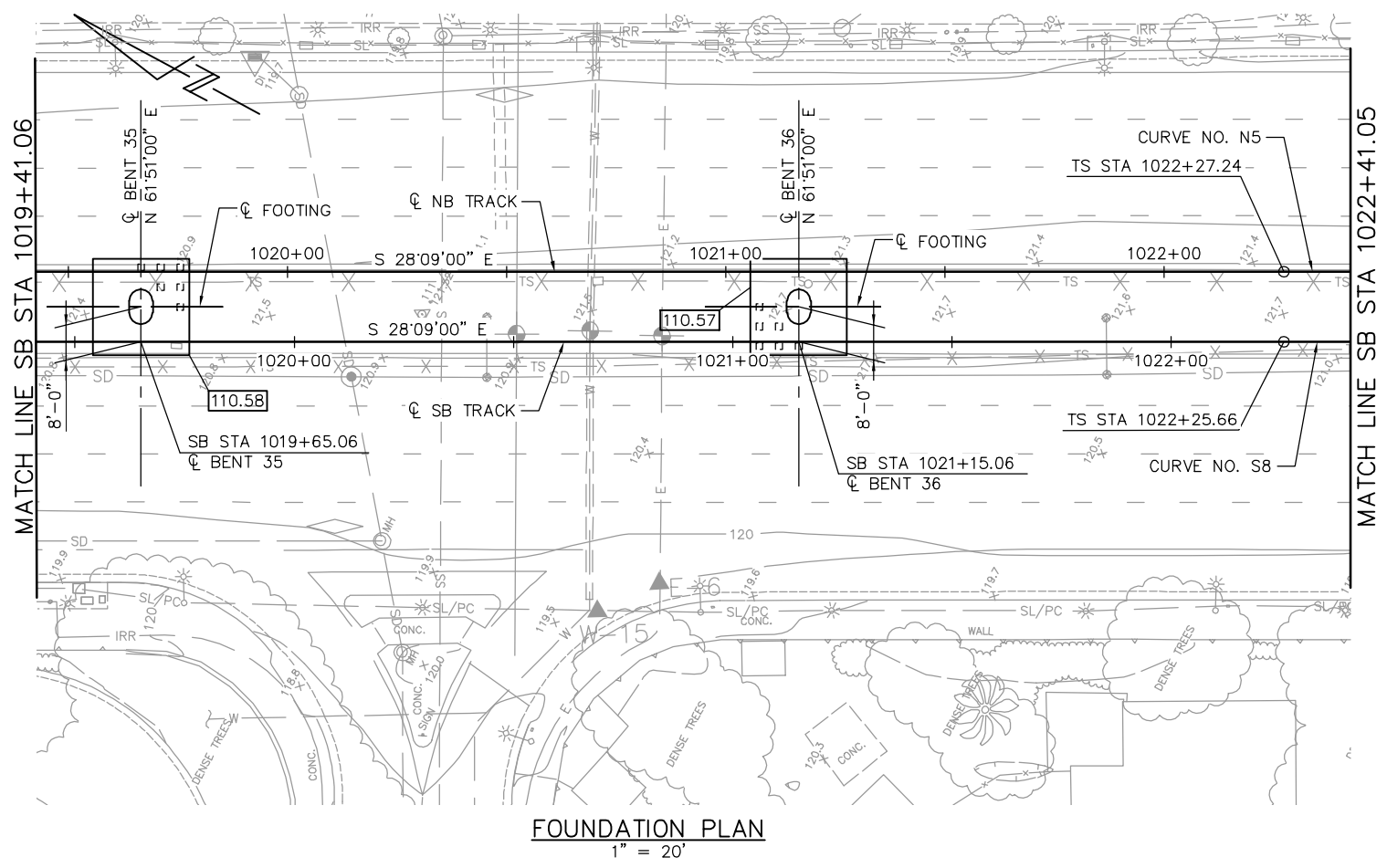
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SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY FOUNDATION PLAN - FRAME 16			SHEET OF DRAWING NO. SU316 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 35	18" PC/PS CONCRETE	480	260	66(a); 74(b); 64(c); 70(d)	54	800
BENT 36	18" PC/PS CONCRETE	480	260	48(a); 62(b); 57(c); 60(d)	48	620

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



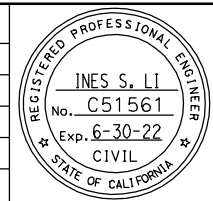
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:21pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU317.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU317.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

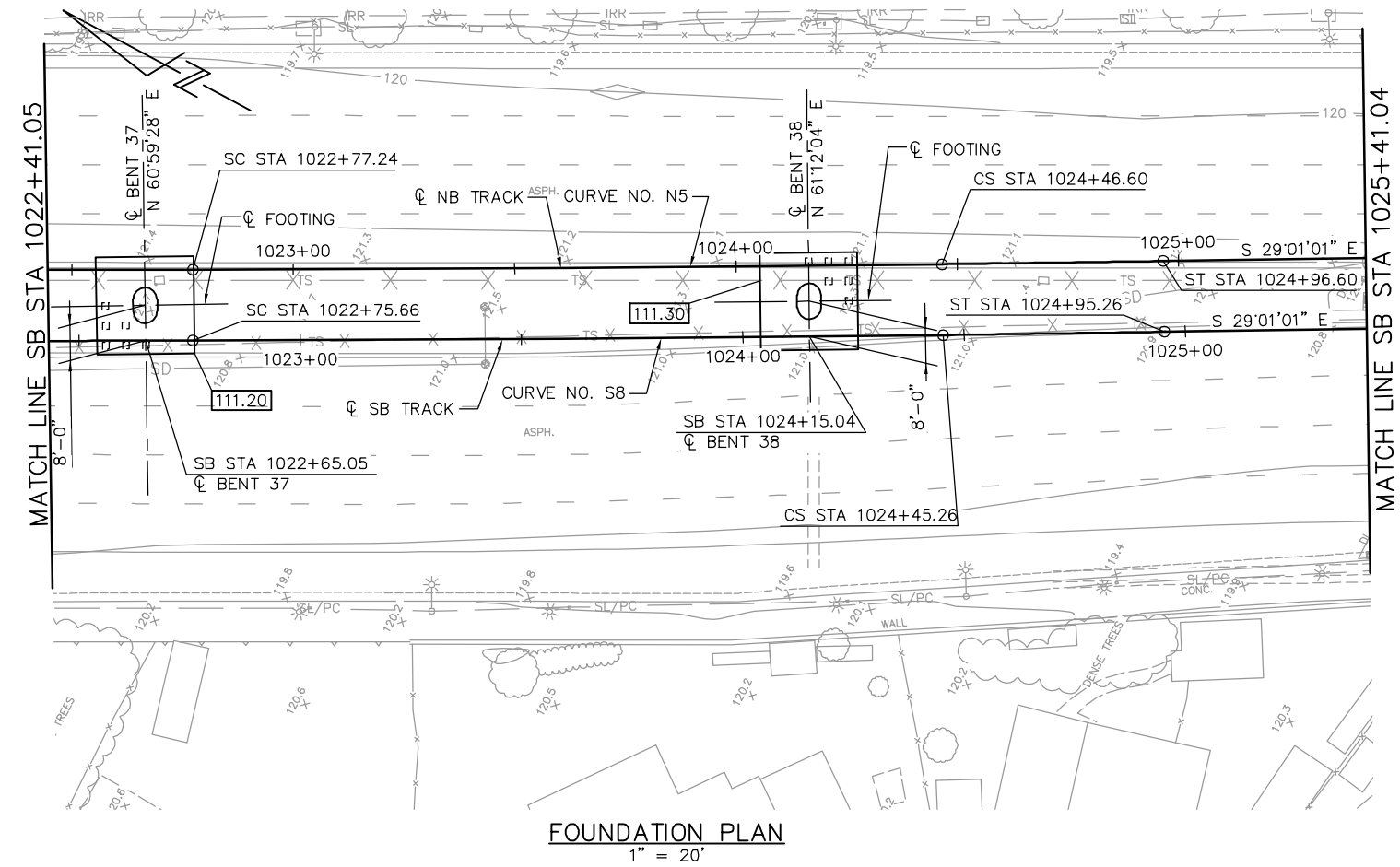
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 17

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SU317 REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 37	18" PC/PS CONCRETE	480	260	48(a); 63(b); 59(c); 61(d)	48	600
BENT 38	18" PC/PS CONCRETE	480	260	48(a); 62(b); 57(c); 61(d)	48	640

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSATURABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

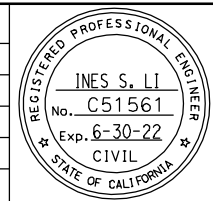


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:22pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU318.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILENAME: 801SU318.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

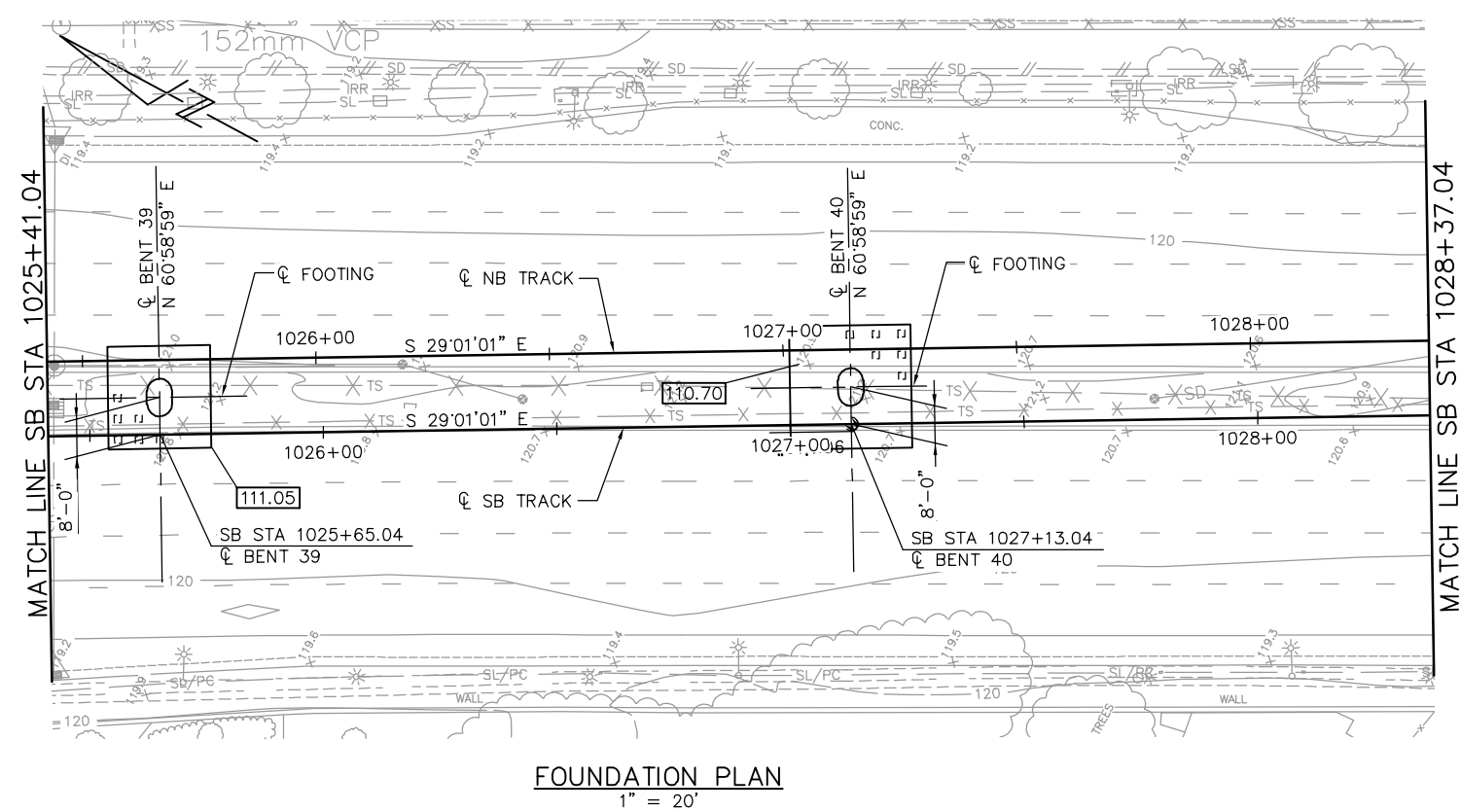
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 18

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SU318
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 39	18" PC/PS CONCRETE	460	240	48(a); 64(b); 57(c); 61(d)	48	620
BENT 40	18" PC/PS CONCRETE	470	270	47(a); 59(b); 35(c); 57(d)	35	700

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

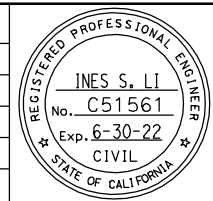


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:22pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU319.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU319.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

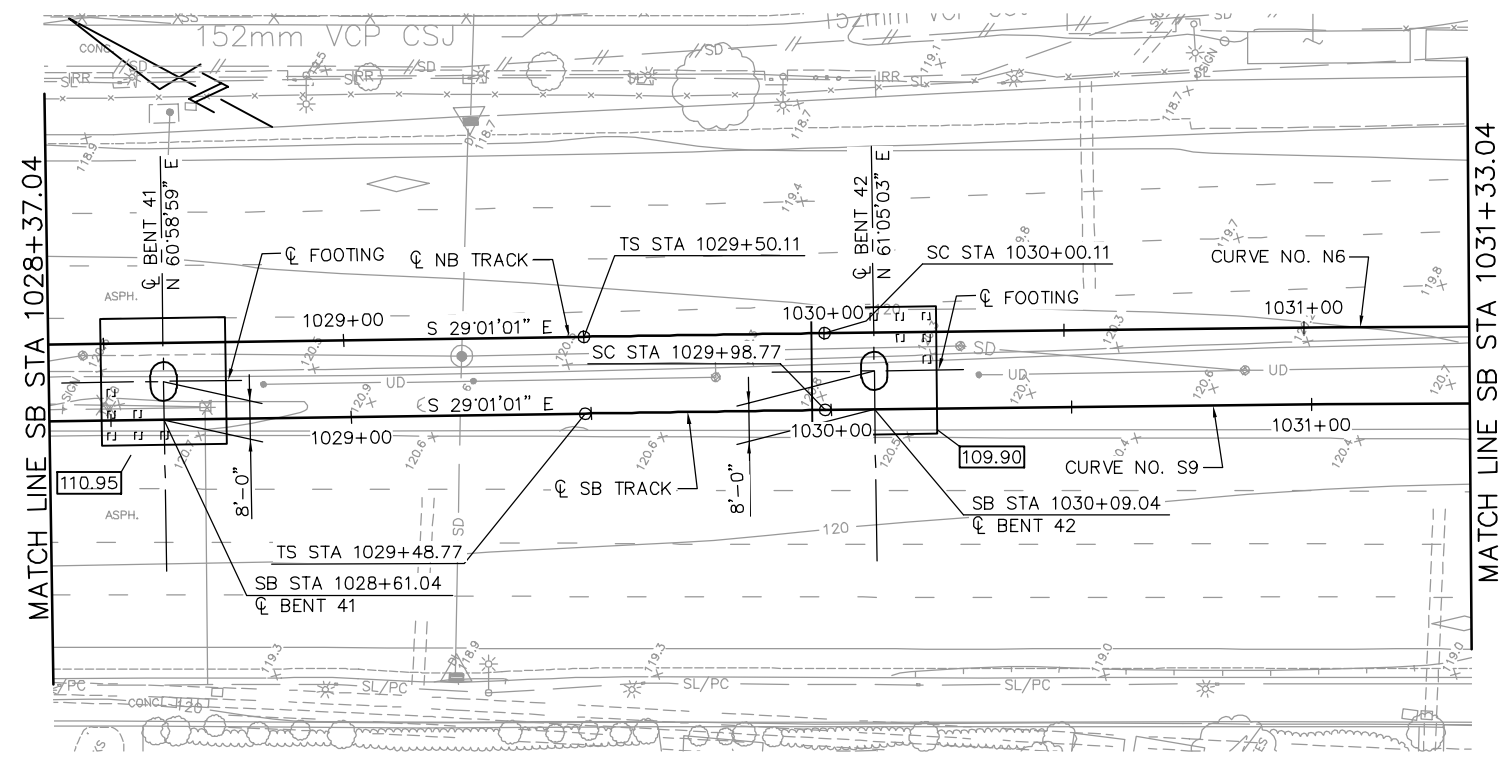
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 19

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SU319 REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 41	18" PC/PS CONCRETE	470	260	45(a); 58(b); 35(c); 57(d)	35	700
BENT 42	18" PC/PS CONCRETE	470	270	45(a); 58(b); 36(c); 56(d)	36	700

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



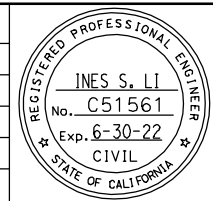
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:23pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU320.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
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San Jose, California 95128
408-296-5515

DESIGNED
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CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SU320.dwg

BCA

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
1" = 20'

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 20

PCA NO. 000

CONTRACT NO. C801

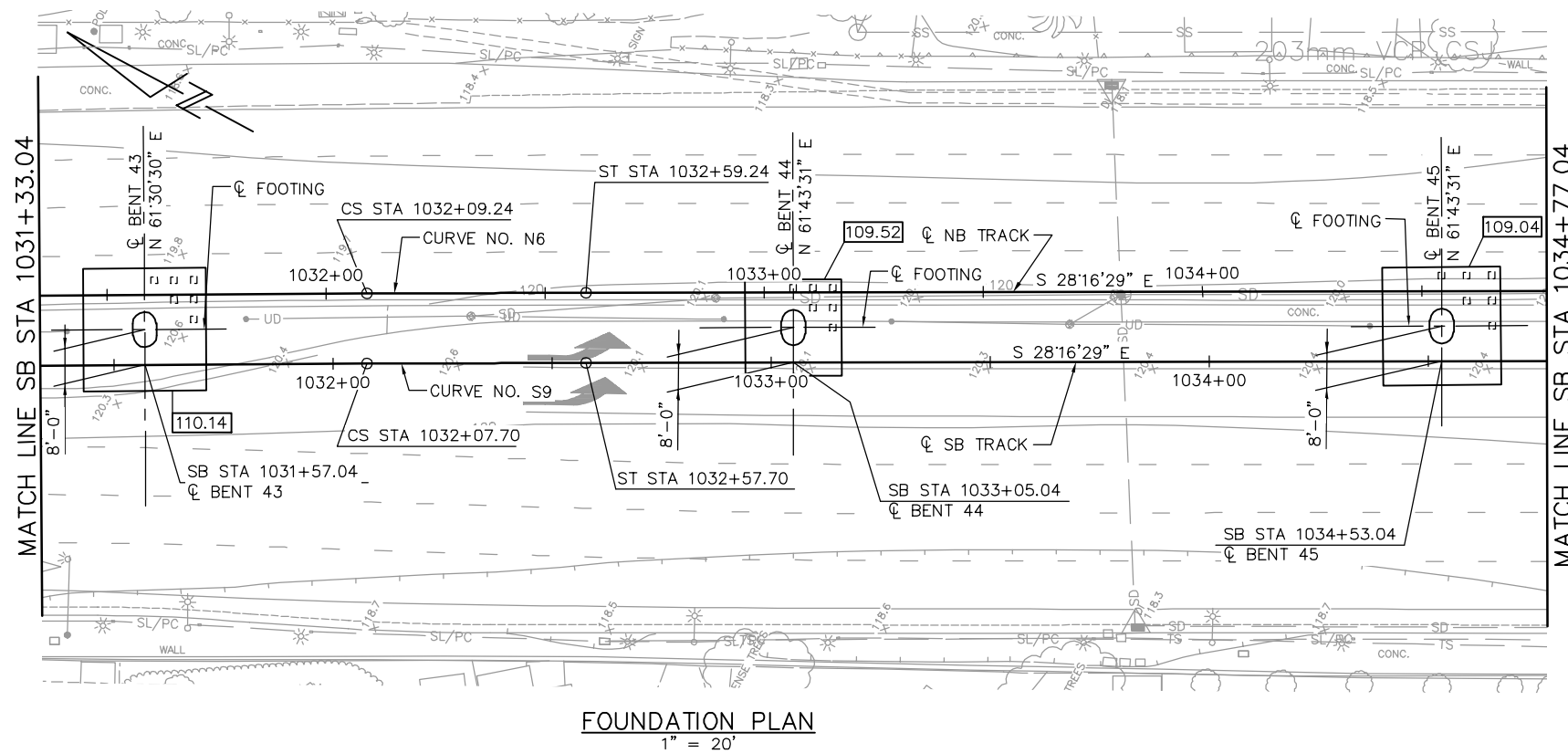
FILE LOCATION
PROJECTWISE

SHEET OF
DRAWING NO. SU320
REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 43	18" PC/PS CONCRETE	460	280	47(a); 59(b); 35(c); 47(d)	35	700
BENT 44	18" PC/PS CONCRETE	480	260	57(a); 69(b); 47(c); 59(d)	47	1280
BENT 45	18" PC/PS CONCRETE	470	230	57(a); 70(b); 50(c); 54(d)	50	1360

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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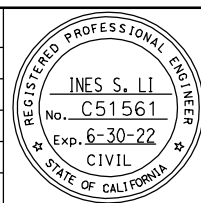


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:23pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU321.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILENAME: 801SU321.dwg



APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 21

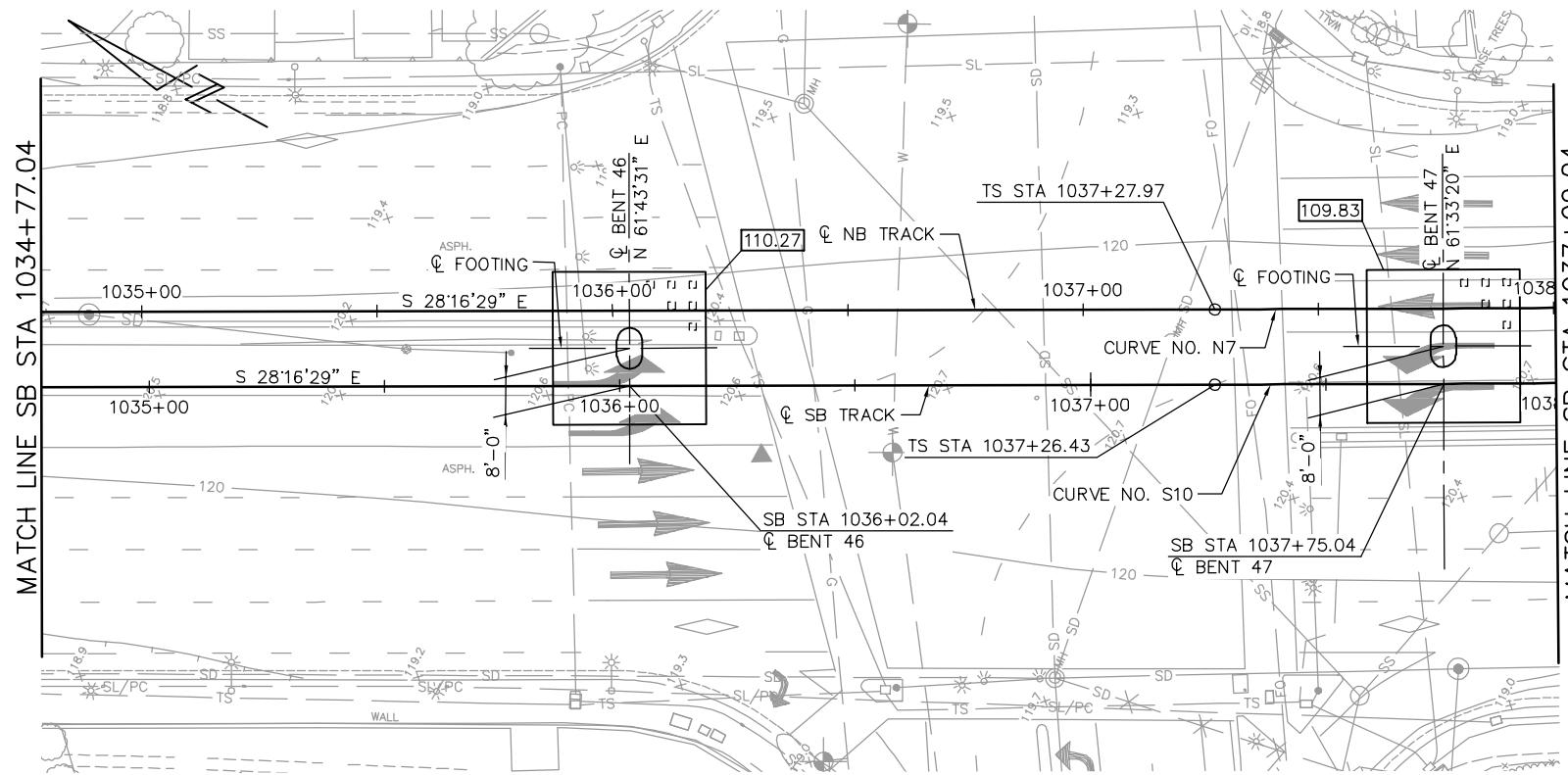
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SU321
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 46	18" PC/PS CONCRETE	450	300	44(a); 50(b); 41(c); 56(d)	41	660
BENT 47	18" PC/PS CONCRETE	450	300	44(a); 50(b); 40(c); 56(d)	40	680

NOTES:

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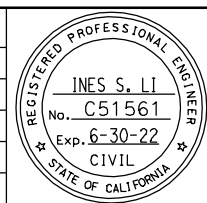
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:24pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU322.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
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San Jose, California 95128
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DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SU322.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

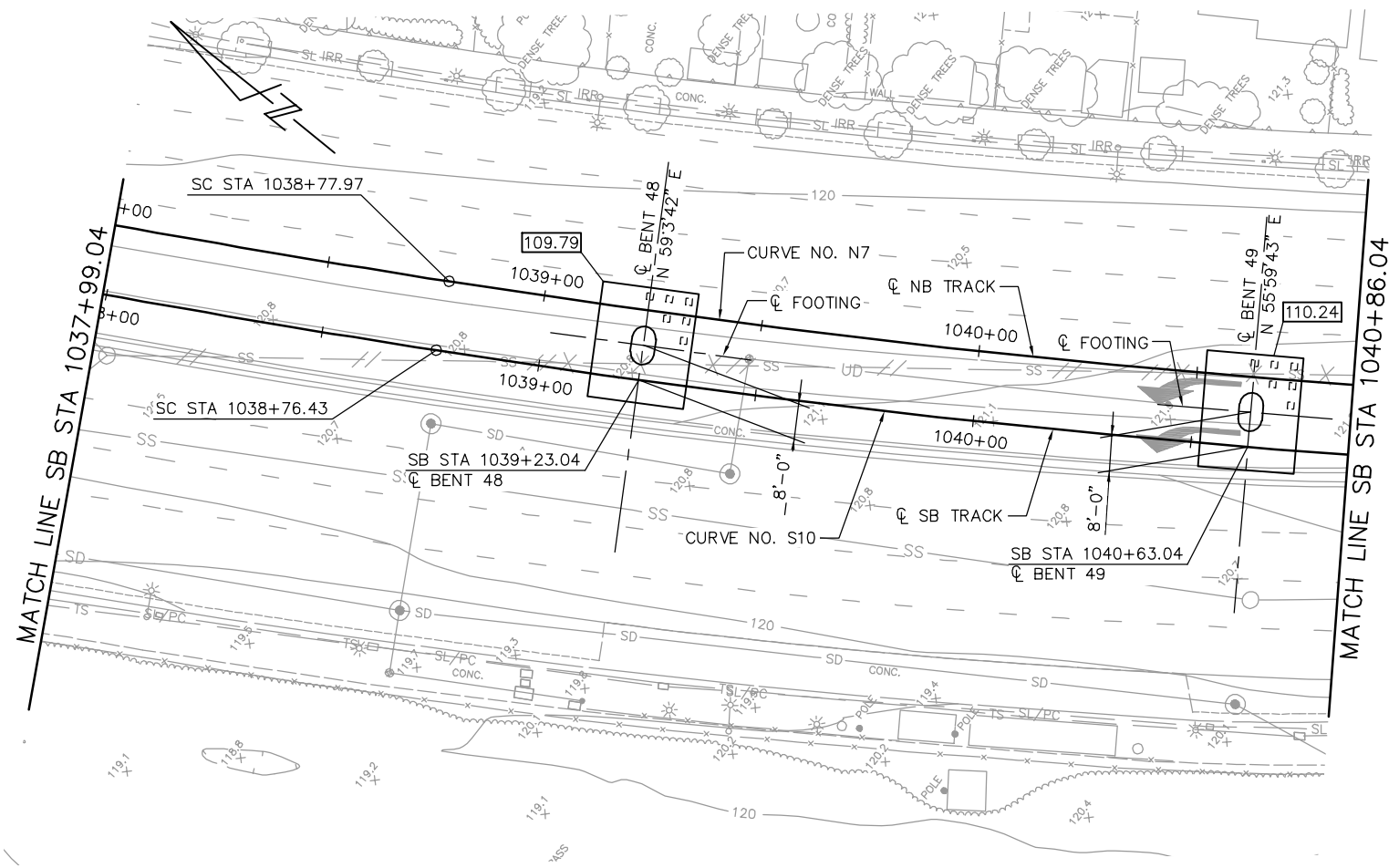
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 22

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF: SU322
REVISION: C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 48	18" PC/PS CONCRETE	560	360	35(a); 46(b); 41(c); 56(d)	35	680
BENT 49	18" PC/PS CONCRETE	560	360	37(a); 45(b); 41(c); 56(d)	37	680

- NOTES:**
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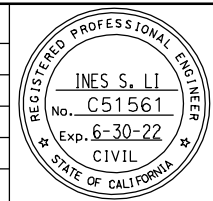
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:24pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU323.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILENAME: 801SU323.dwg



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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 23

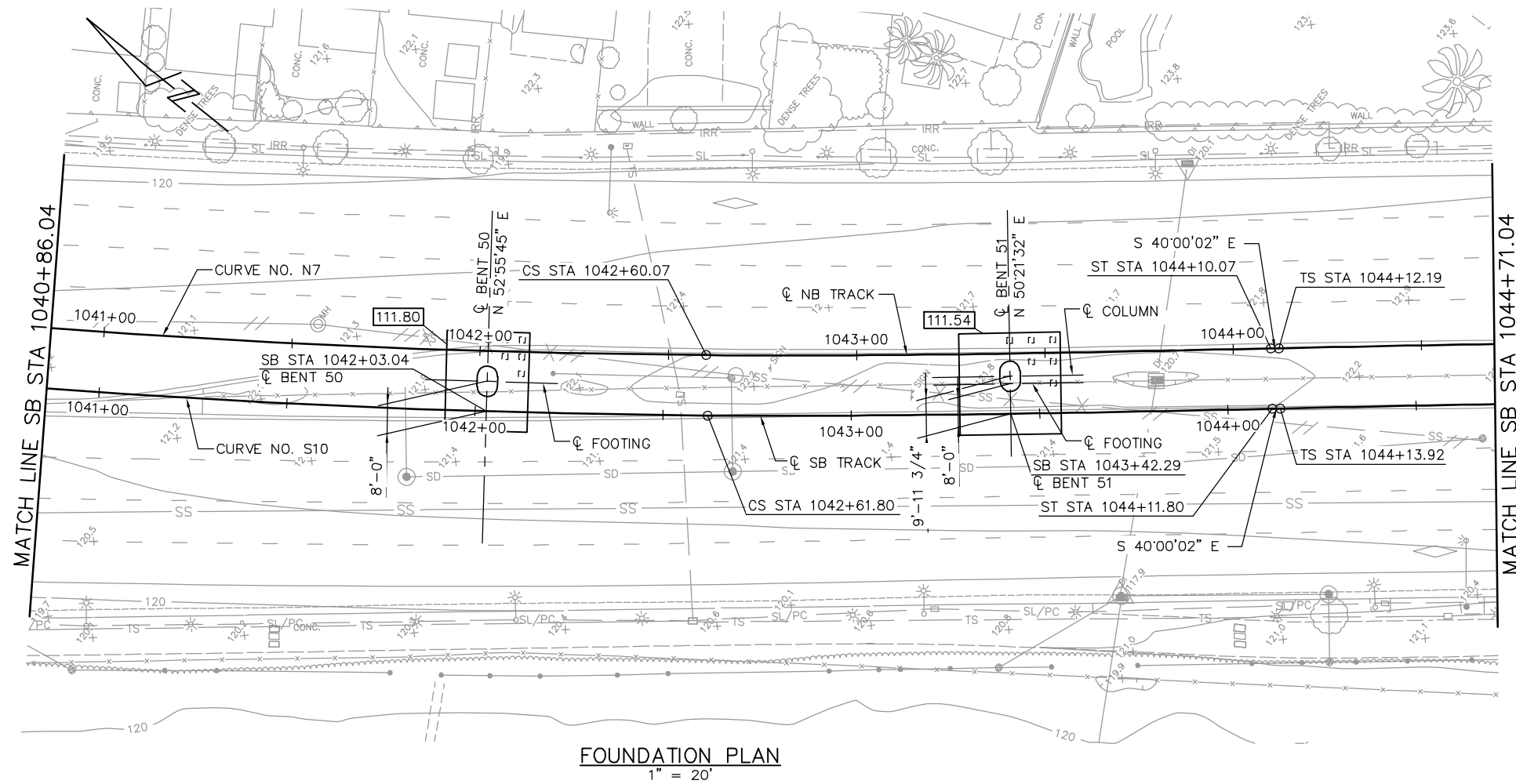
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU323
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 50	18" PC/PS CONCRETE	430	250	18(a); 62(b); 54(c); 45(d)	18	1060
BENT 51	18" PC/PS CONCRETE	470	230	17(a); 65(b); 53(c); 35(d)	17	1160

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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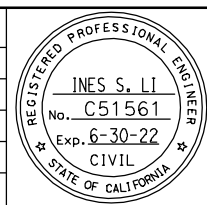
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:25pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU324.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
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CADD FILENAME: 801SU324.dwg

BCA



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BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 24

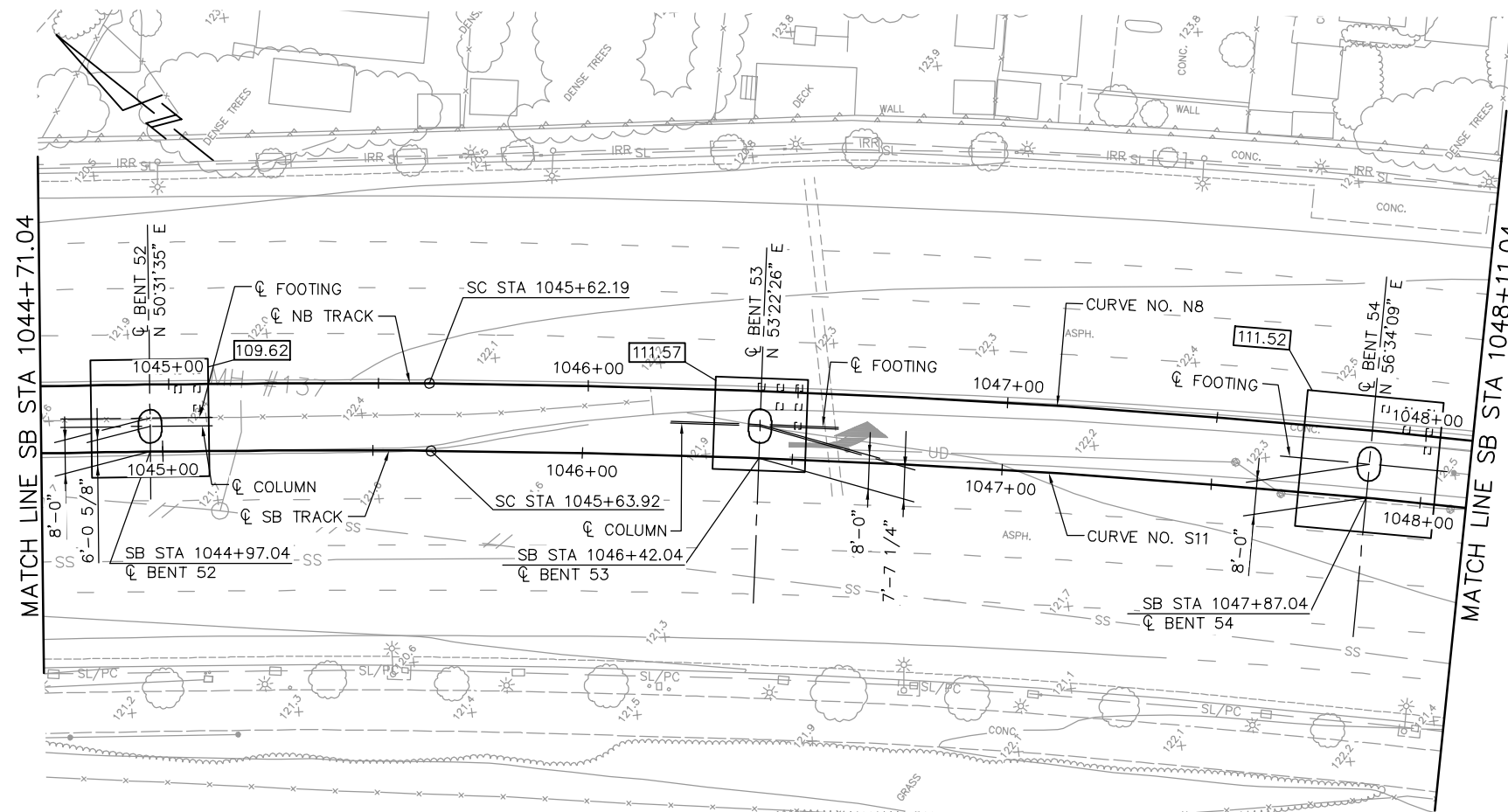
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SU324
REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 52	18" PC/PS CONCRETE	430	250	36(a); 55(b); 29(c); 49(d)	29	580
BENT 53	18" PC/PS CONCRETE	470	250	36(a); 57(b); 29(c); 41(d)	29	570
BENT 54	18" SQUARE PRECAST DRIVEN	380	210	45(a); 61(b); 40(c); 57(d)	40	640

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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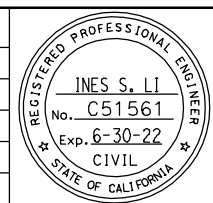
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:25pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU325.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
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DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SU325.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 25

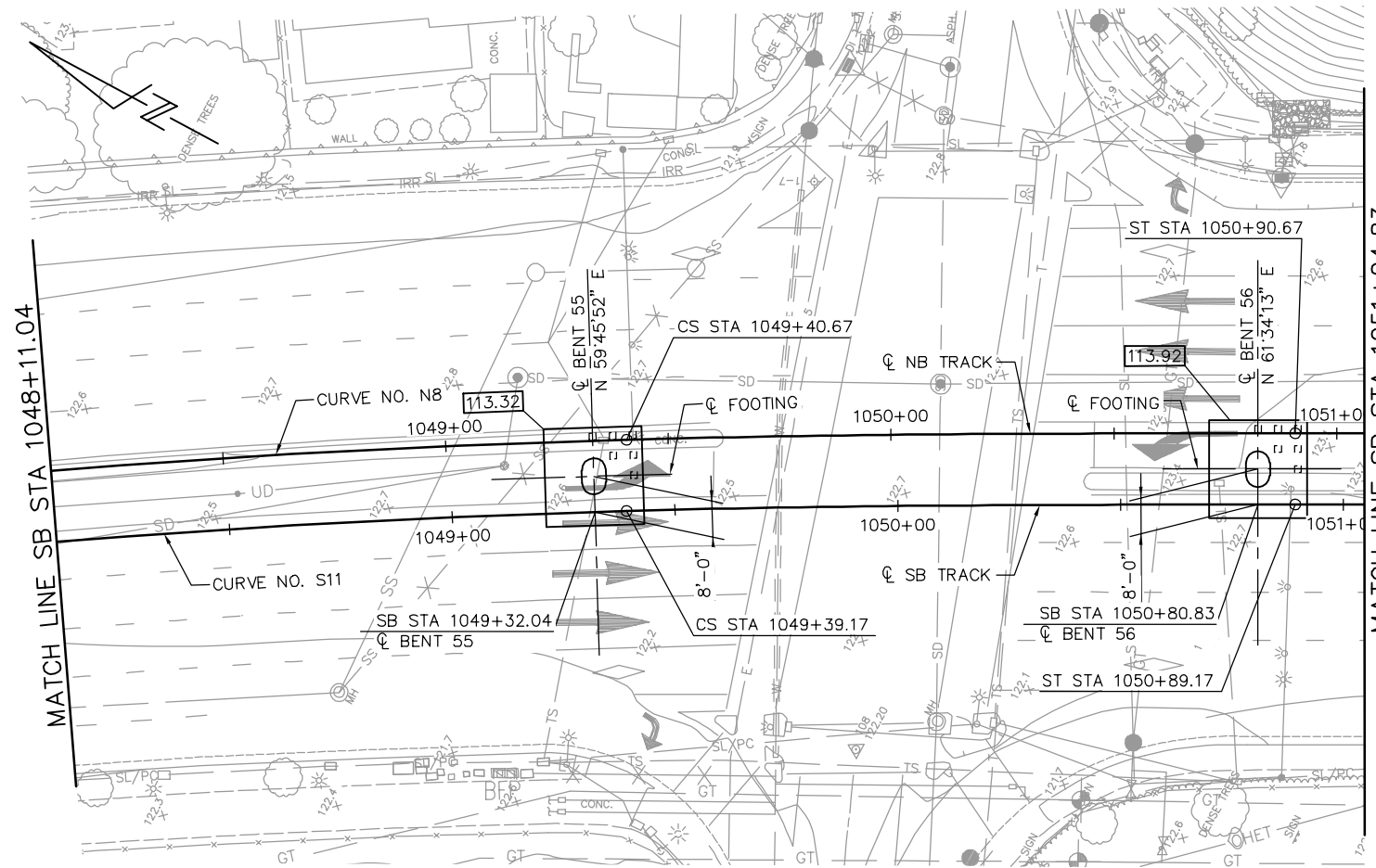
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SU325
REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 55	18" PC/PS CONCRETE	560	350	34(a); 46(b); 40(c); 58(d)	34	680
BENT 56	18" PC/PS CONCRETE	460	250	54(a); 69(b); 52(c); 69(d)	52	530

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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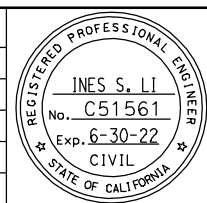
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:26pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU326.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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865 The Alameda
San Jose, California 95128
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DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SU326.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 26

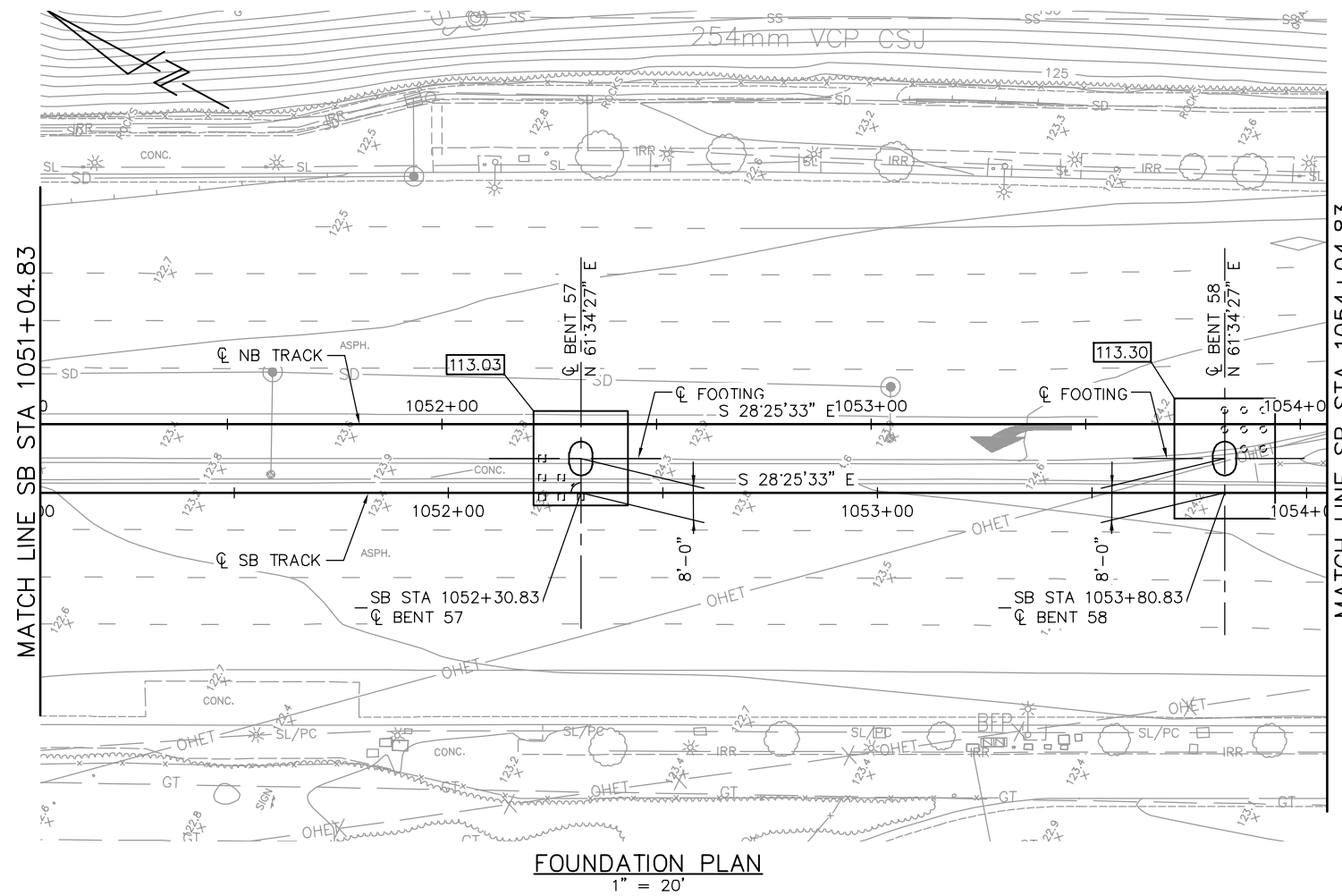
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU326
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 57	18" PC/PS CONCRETE	460	250	55(a); 72(b); 52(c); 68(d)	52	550
BENT 58	18" STEEL PIPE	570	370	15(a); 37(b); 60(c); 63(d)	15	630

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

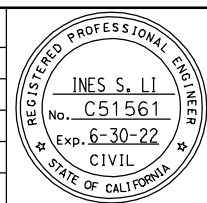


FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.
PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:26pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU327.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILENAME: 801SU327.dwg



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BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

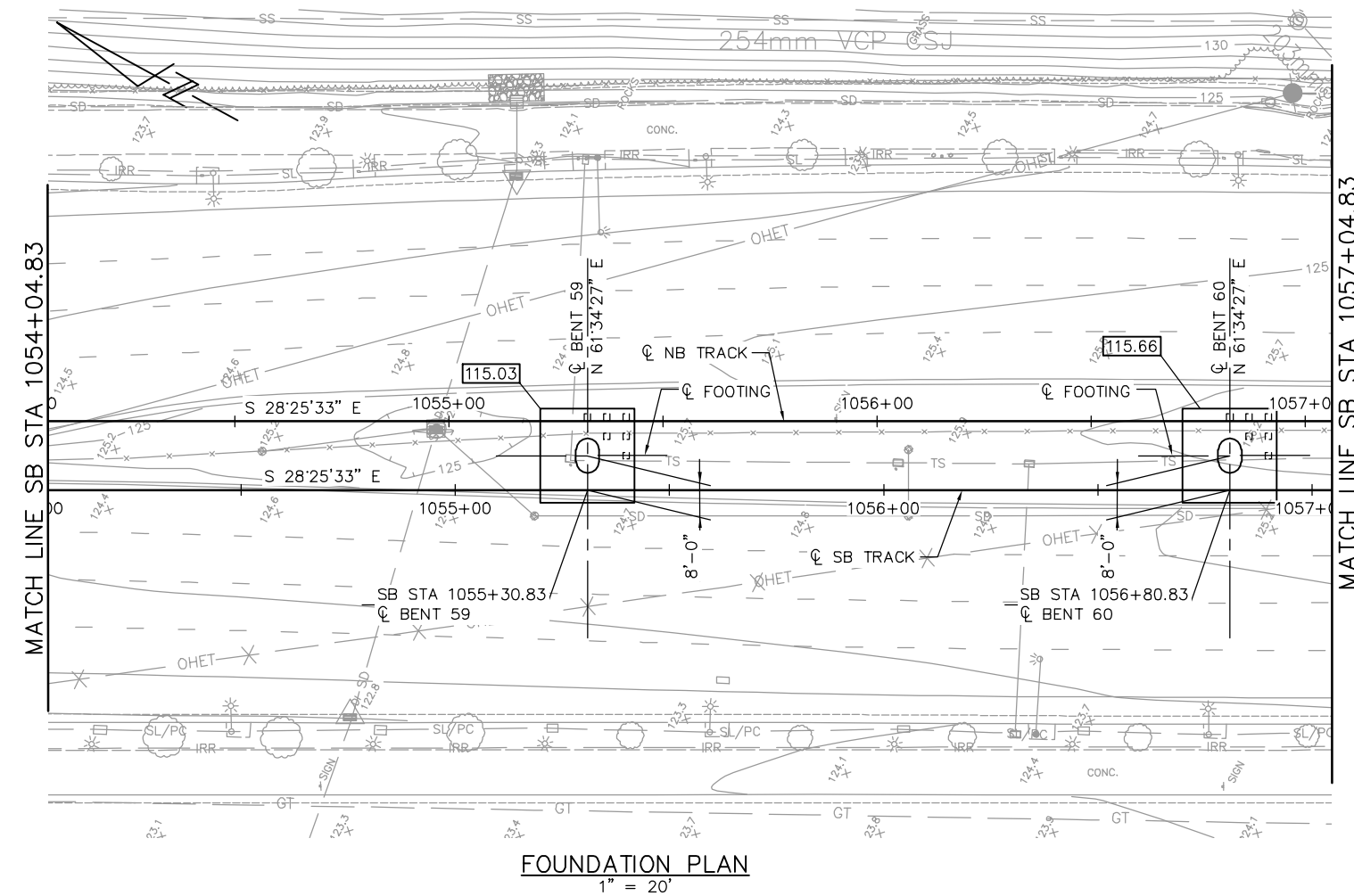
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY FOUNDATION PLAN - FRAME 27			SHEET OF DRAWING NO. SU327 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENYT 59	18" PC/PS CONCRETE	590	380	21(a); 48(b); 56(c); 70(d)	21	790
BENT 60	18" PC/PS CONCRETE	460	250	43(a); 56(b); 45(c); 60(d)	43	780

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
 - UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

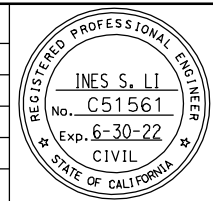


FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.
PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:26pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU328.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SU328.dwg

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CADD FILE DATE
05/18/20

SUBMITTAL DATE
06/29/20

SCALE
1" = 20'

BOARD APPROVAL DATE

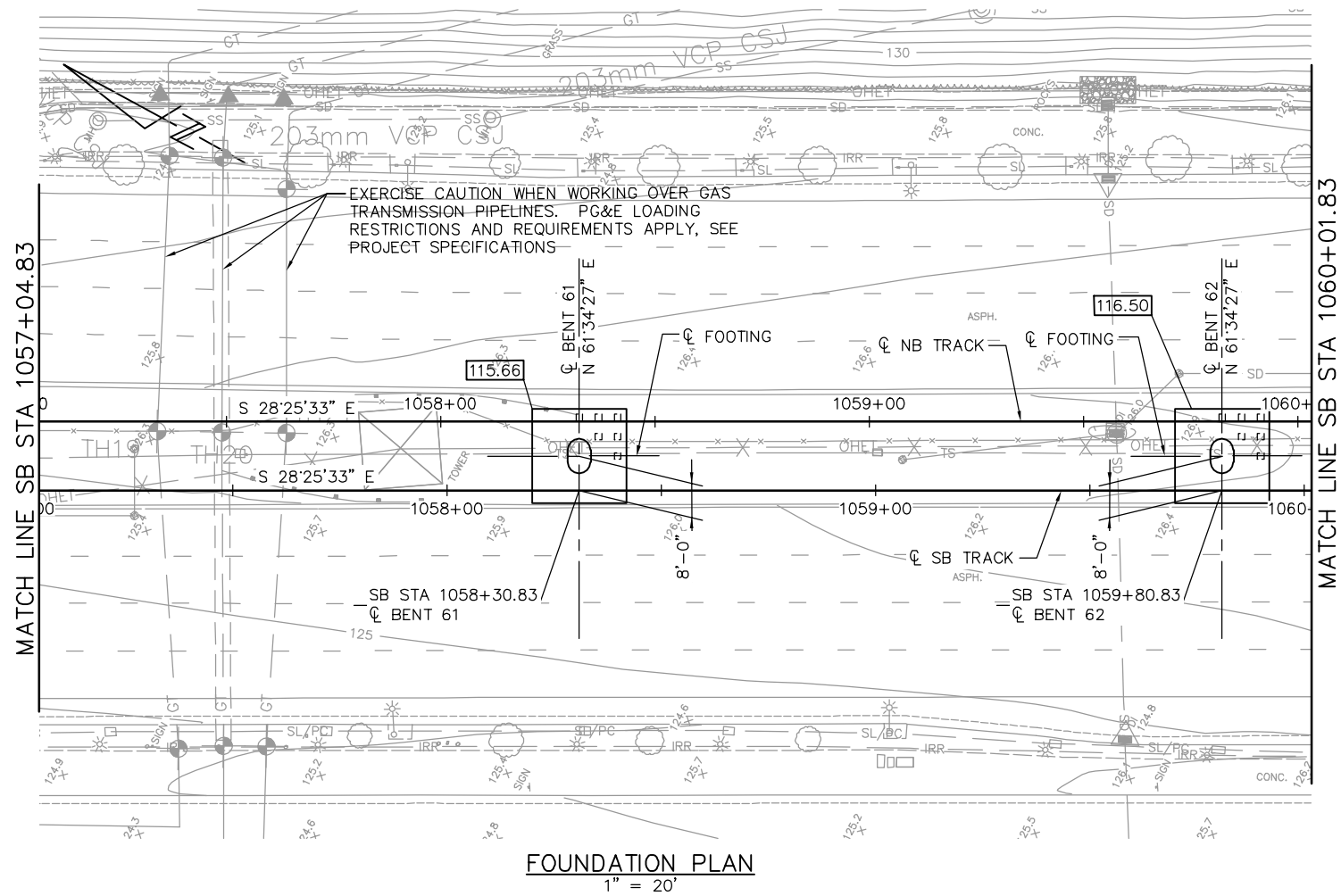
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY FOUNDATION PLAN - FRAME 28

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SU328 REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 61	18" PC/PS CONCRETE	460	250	43(a); 56(b); 45(c); 60(d)	43	780
BENT 62	18" PC/PS CONCRETE	570	360	47(a); 66(b); 58(c); 71(d)	47	770

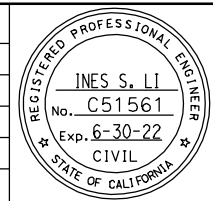
- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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 - UNSATURABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.



NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.
PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:27pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU329.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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865 The Alameda
San Jose, California 95128
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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

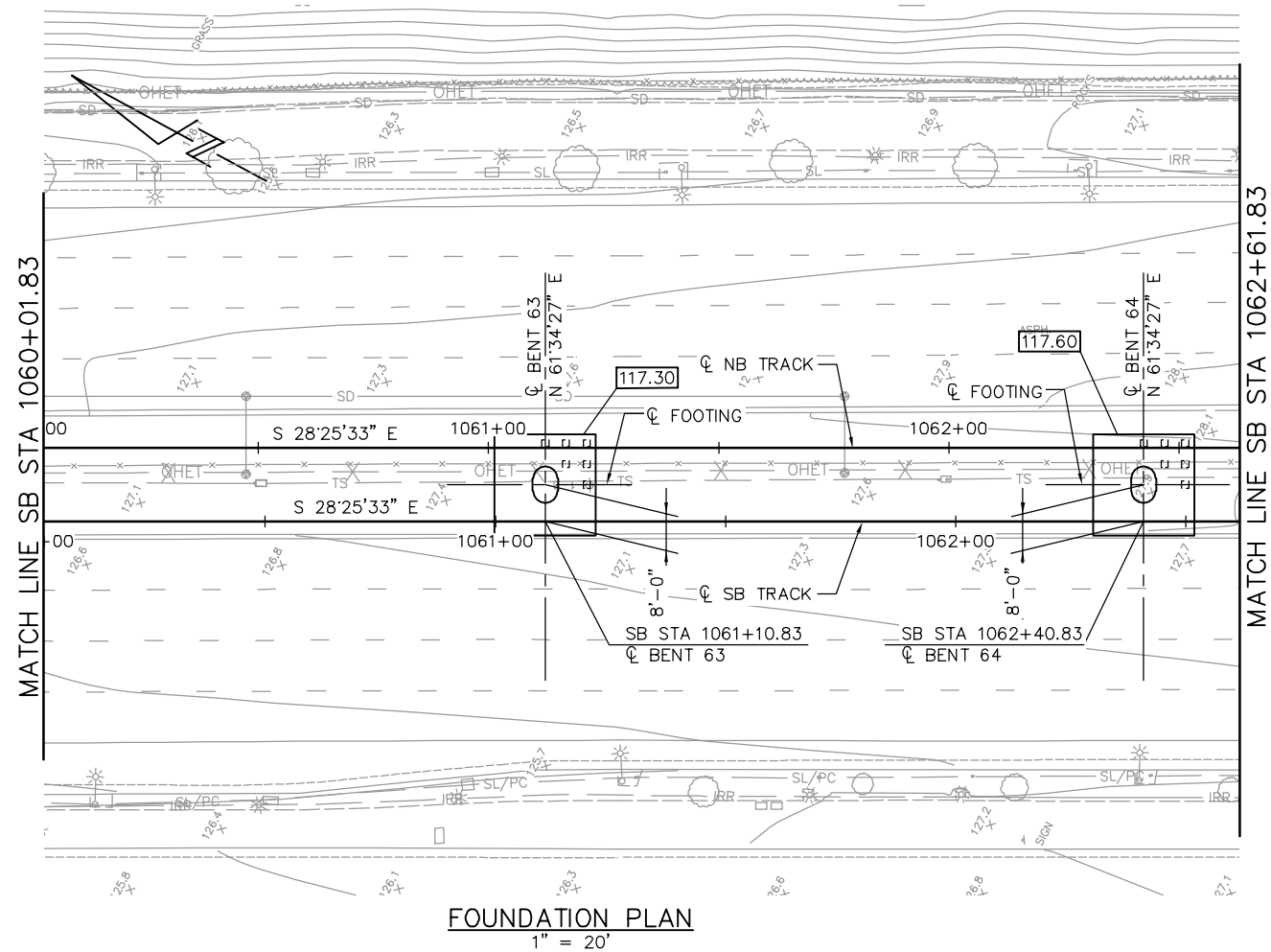
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY FOUNDATION PLAN - FRAME 29			SHEET OF DRAWING NO. SU329 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION: PROJECTWISE	

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 63	18" PC/PS CONCRETE	550	360	49(a); 67(b); 59(c); 62(d)	49	750
BENT 64	18" PC/PS CONCRETE	560	360	43(a); 51(b); 79(c); 62(d)	43	1300

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
- THE SPECIFIED TIP ELEVATION MUST NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION LOAD, LATERAL LOAD, AND TOLERABLE SETTLEMENT.
- UNSUITABLE LIQUEFIABLE SOIL LAYERS DO NOT CONTRIBUTE TO THE NOMINAL RESISTANCE EXISTING AT SOME OF THE SUPPORT LOCATIONS.

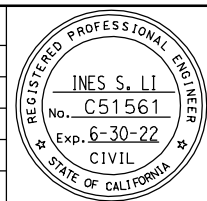


NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:27pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU330.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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STRUCTURAL ENGINEERS
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San Jose, California 95128
408-296-5515

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DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SU330.dwg



APPROVED

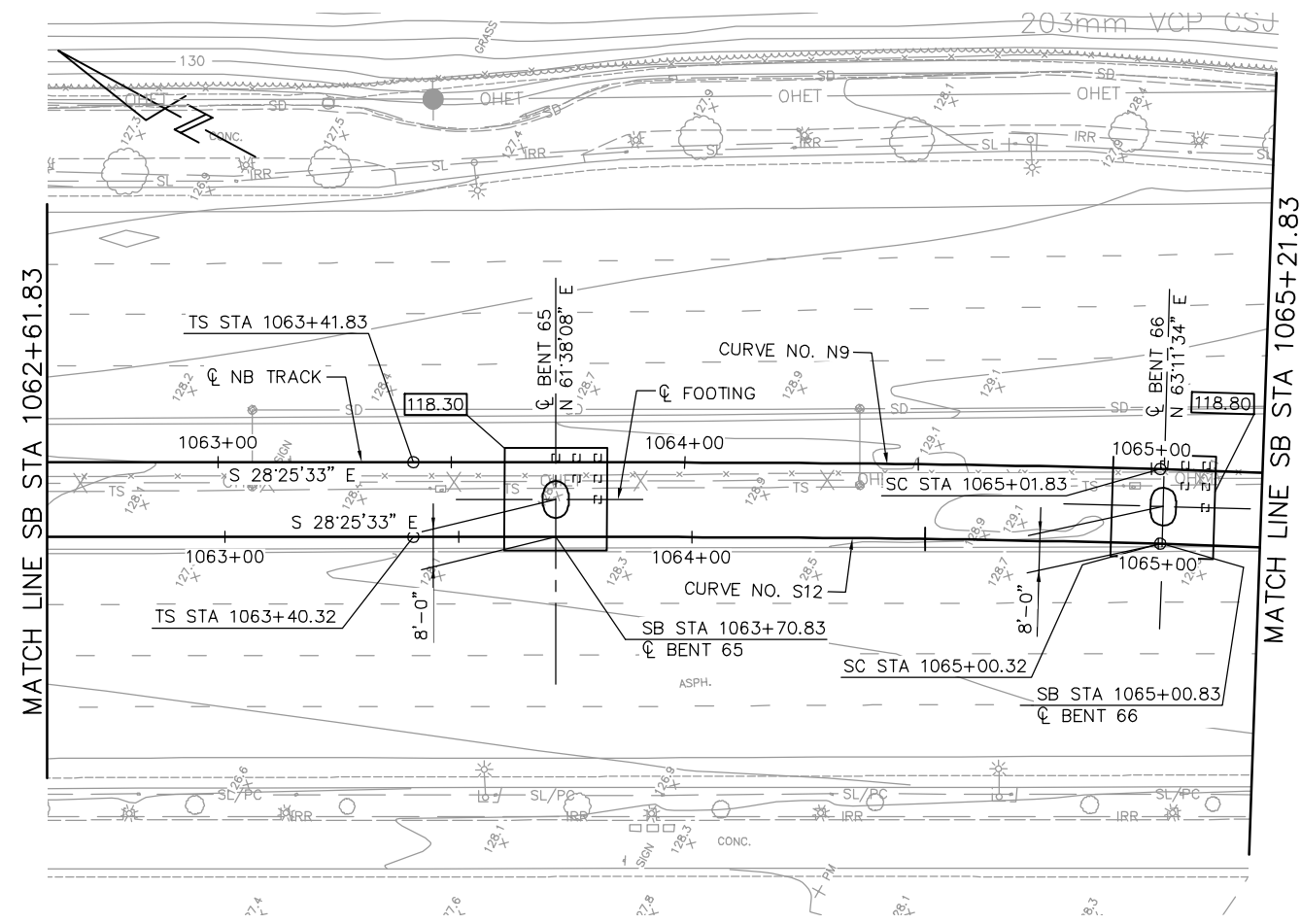
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY FOUNDATION PLAN - FRAME 30			SHEET OF DRAWING NO. SU330 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION: PROJECTWISE	

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 65	18" PC/PS CONCRETE	440	240	47(a); 59(b); 79(c); 55(d)	47	1300
BENT 66	18" PC/PS CONCRETE	570	380	44(a); 55(b); 61(c); 74(d)	44	1100

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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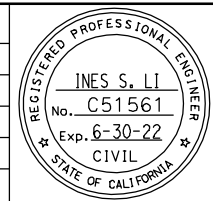
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:28pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU331.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
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San Jose, California 95128
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CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU331.dwg

Santa Clara Valley Transportation Authority

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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

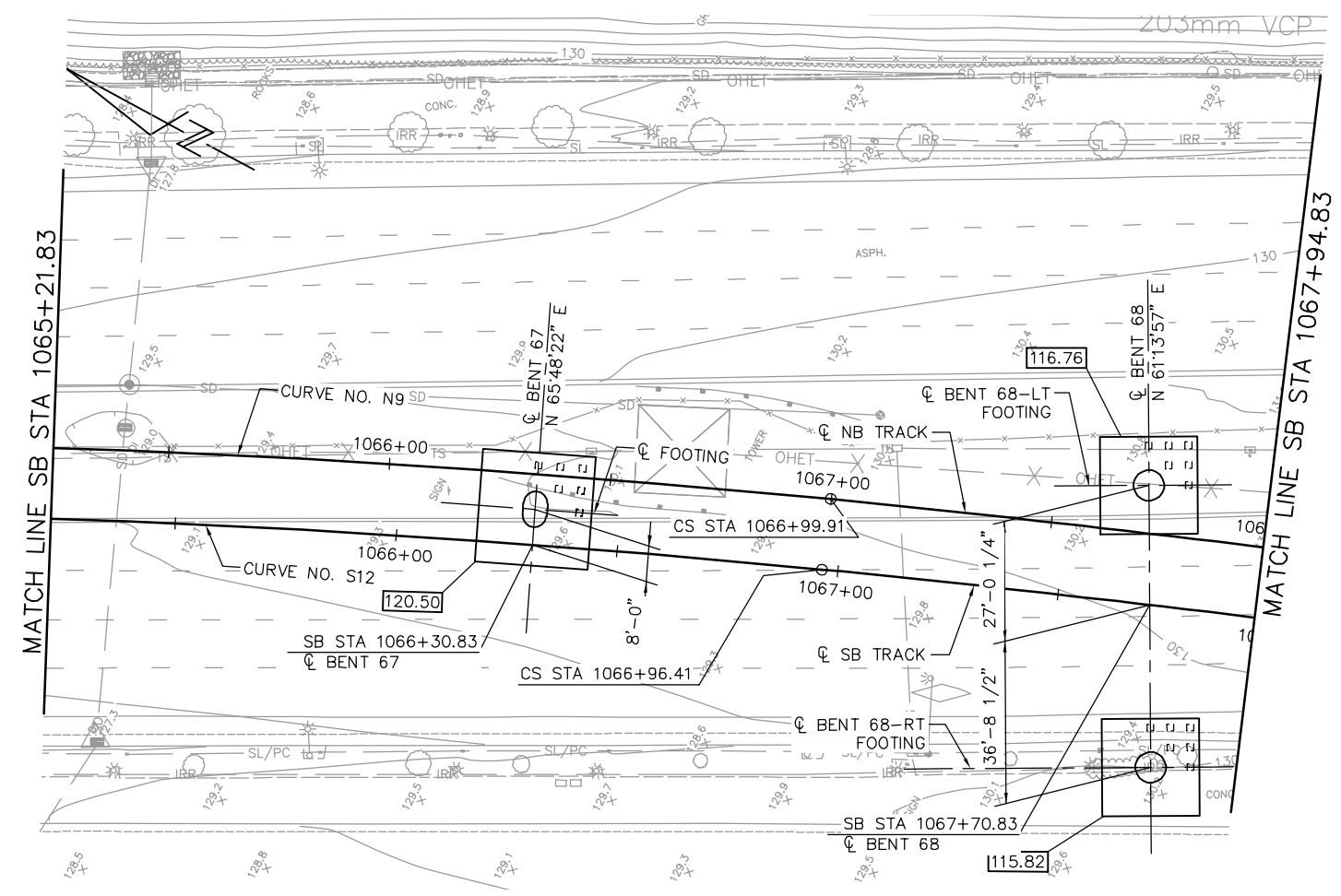
**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 31**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SU331 REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 67	18" PS/PS CONCRETE	580	360	60(a); 68(b); 72(c); 74(d)	60	610
BENT 68-L	18" PS/PS CONCRETE	410	200	68(a); 79(b); 64(c); 76(d)	64	610
BENT 68-R	18" PS/PS CONCRETE	320	200	70(a); 78(b); 77(c); 76(d)	70	490

- NOTES:
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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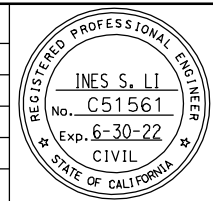
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:28pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU332.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

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DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SU332.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 32

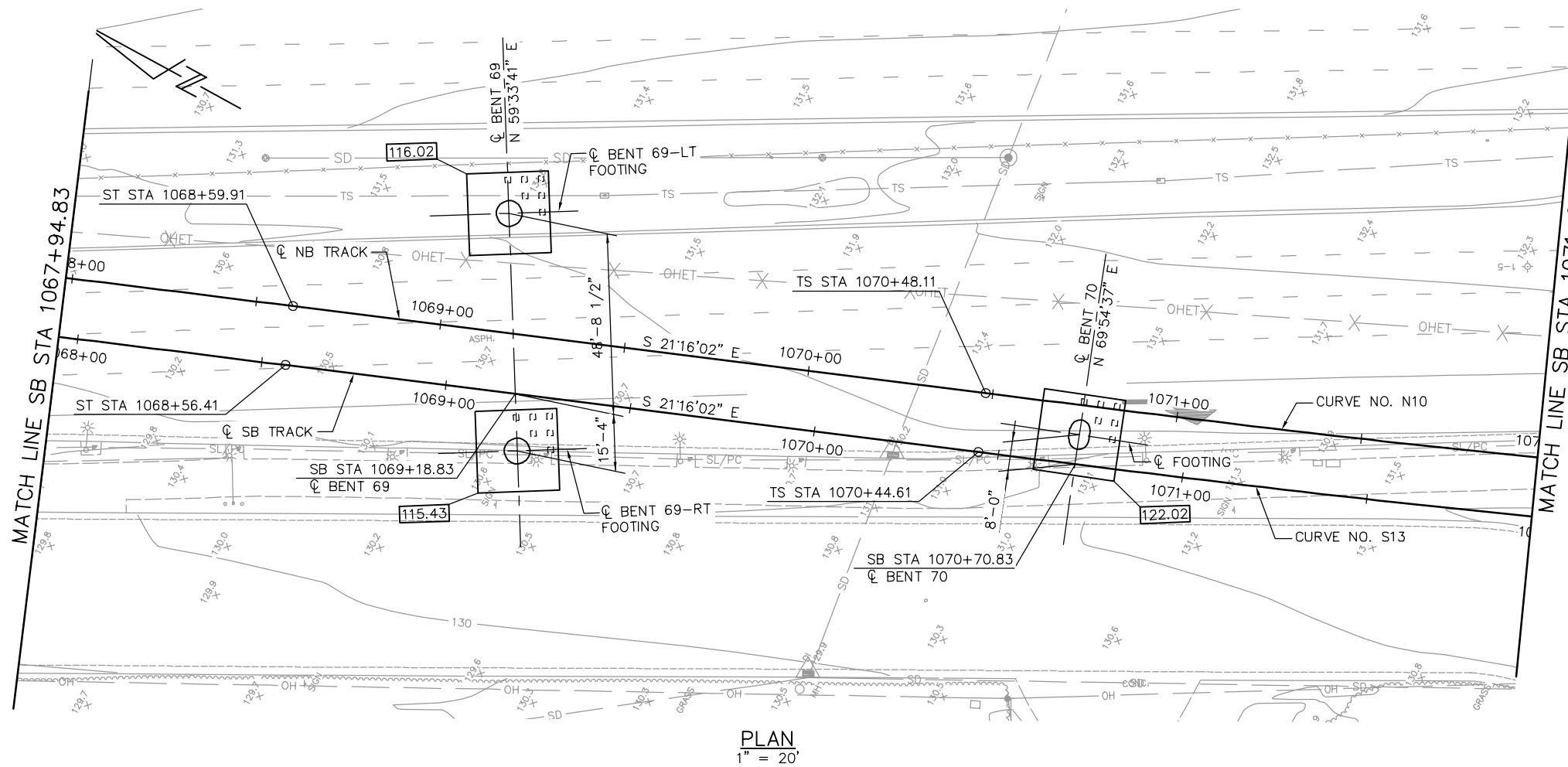
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SU332
REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 69-L	18" PC/PS CONCRETE	340	190	79(a); 91(b); 105(c); 84(d)	79	370
BENT 69-R	18" PC/PS CONCRETE	360	200	76(a); 89(b); 98(c); 83(d)	76	390
BENT 70	18" PC/PS CONCRETE	460	250	70(a); 88(b); 100(c); 82(d)	70	510

NOTES:

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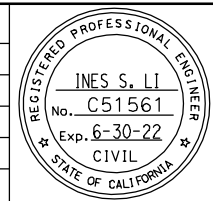
PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:29pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU333.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

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CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU333.dwg

Santa Clara Valley
Transportation
Authority

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BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: 1" = 20'
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 33

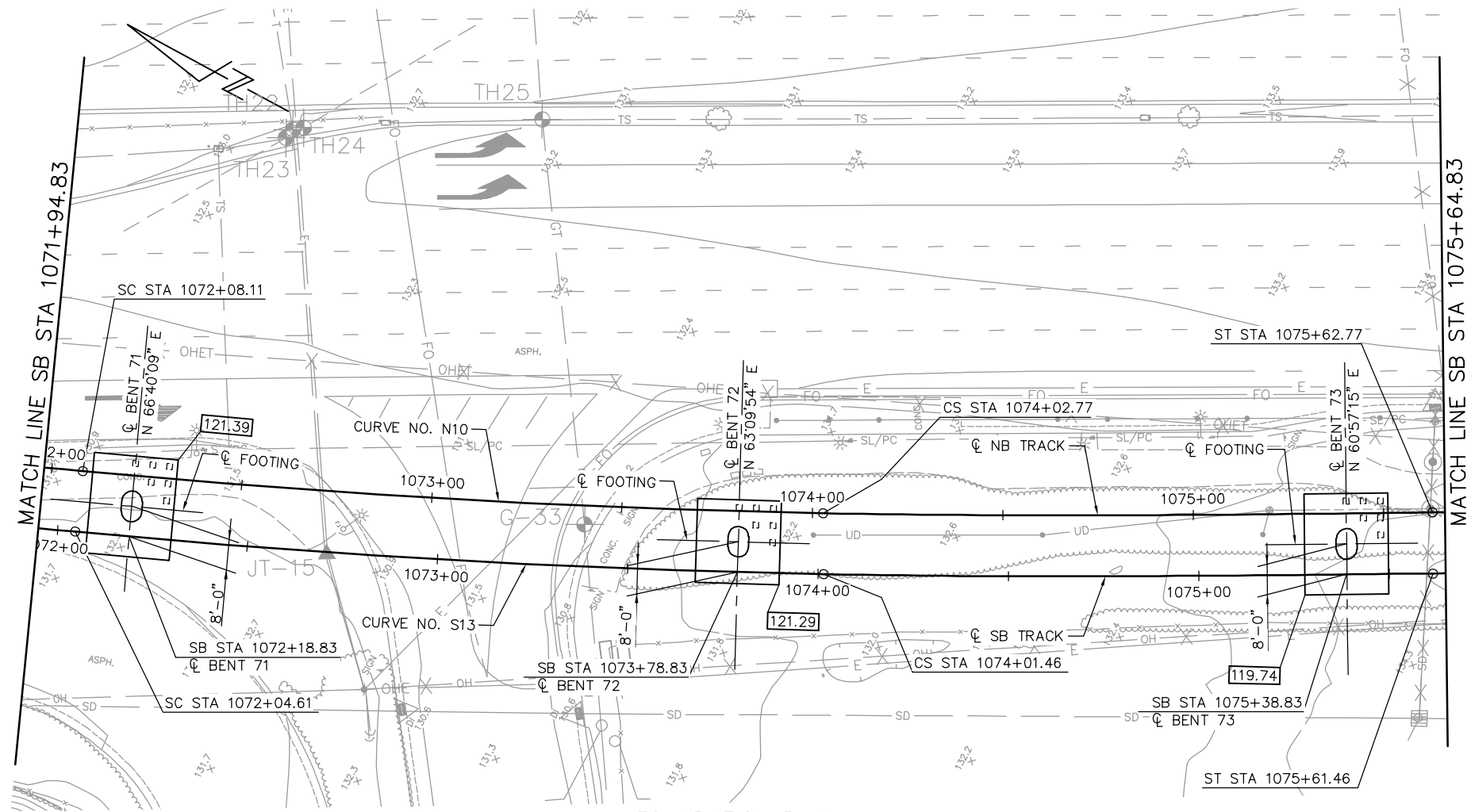
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SU333
REVISION C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 71	18" PC/PS CONCRETE	580	390	34(a); 45(b); 60(c); 53(d)	34	1200
BENT 72	18" PC/PS CONCRETE	620	380	35(a); 46(b); 60(c); 56(d)	35	1140
BENT 73	18" PC/PS CONCRETE	470	250	73(a); 88(b); 64(c); 80(d)	64	700

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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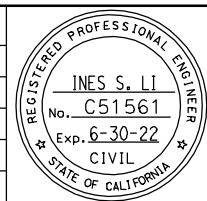


FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.
PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:29pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SU334.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
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DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU334.dwg



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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 34

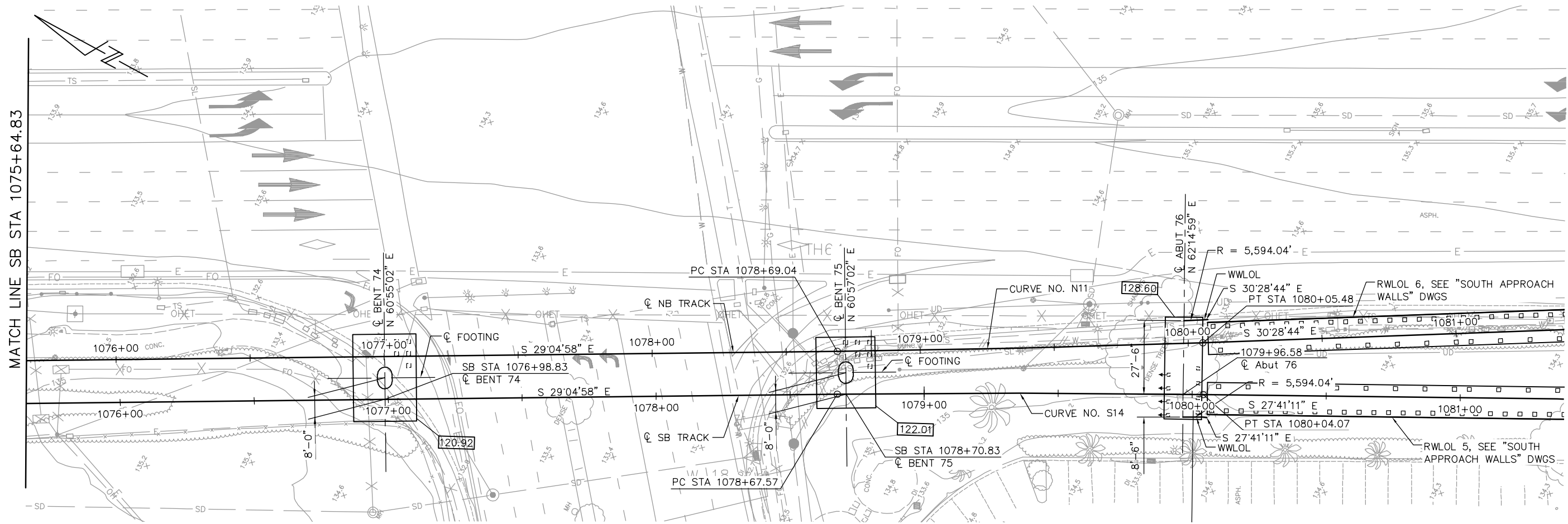
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SU334
REVISION	C

PILE DATA						
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 74	18" PC/PS CONCRETE	430	220	79(a); 94(b); 65(c); 80(d)	65	650
BENT 75	18" PC/PS CONCRETE	430	220	73(a); 85(b); 56(c); 70(d)	56	680
ABUT 76	14" PC/PS CONCRETE	350	N/A	65(a); 92(b); 98(d)	65	380

NOTES:

- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS:
(a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
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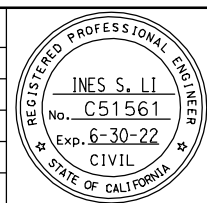
FOUNDATION PLAN
1" = 20'

NOTE:
SEE "FOUNDATION PLAN-FRAME 1" SHEET FOR FOUNDATION NOTES AND LEGEND.

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:59pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SU335.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
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865 The Alameda
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408-296-5515

BCA

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU335.dwg



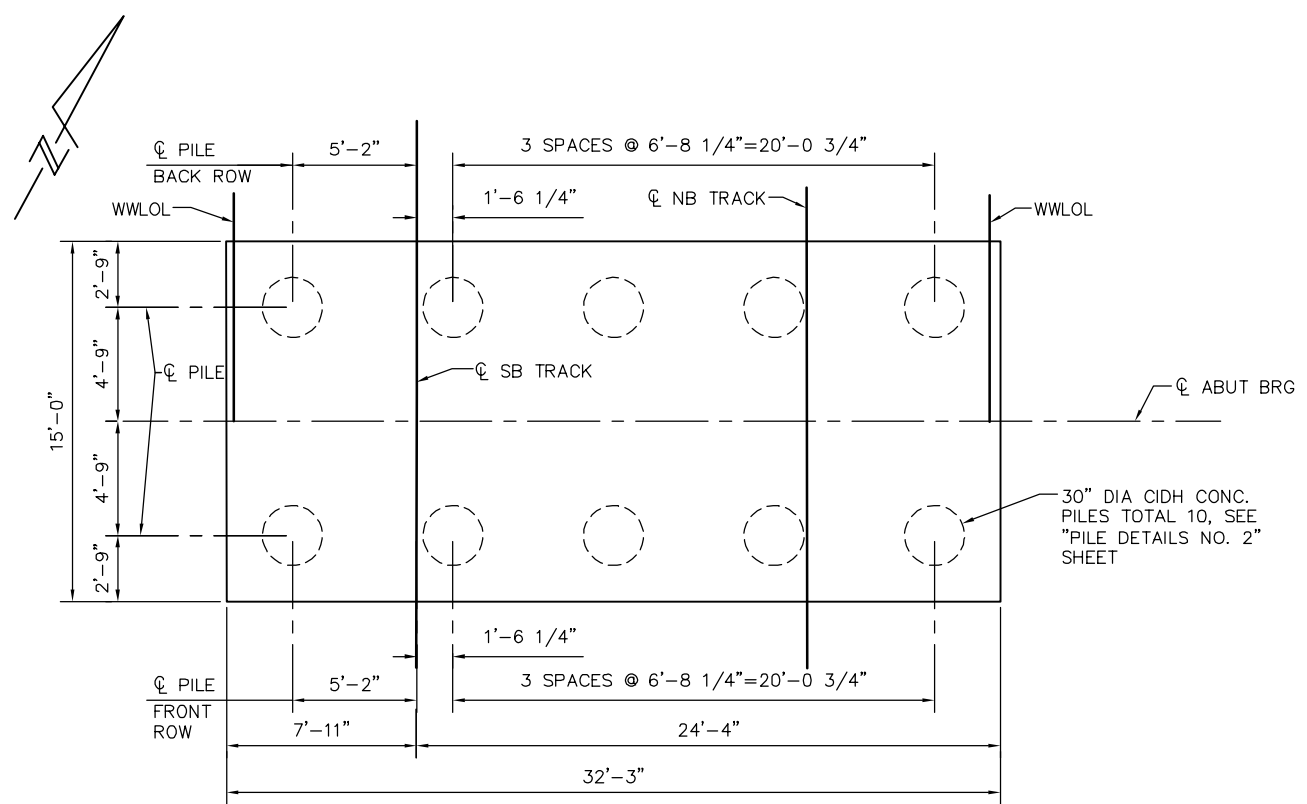
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/28/20
SUBMITTAL DATE: 06/29/20
SCALE: 1" = 20'
BOARD APPROVAL DATE:

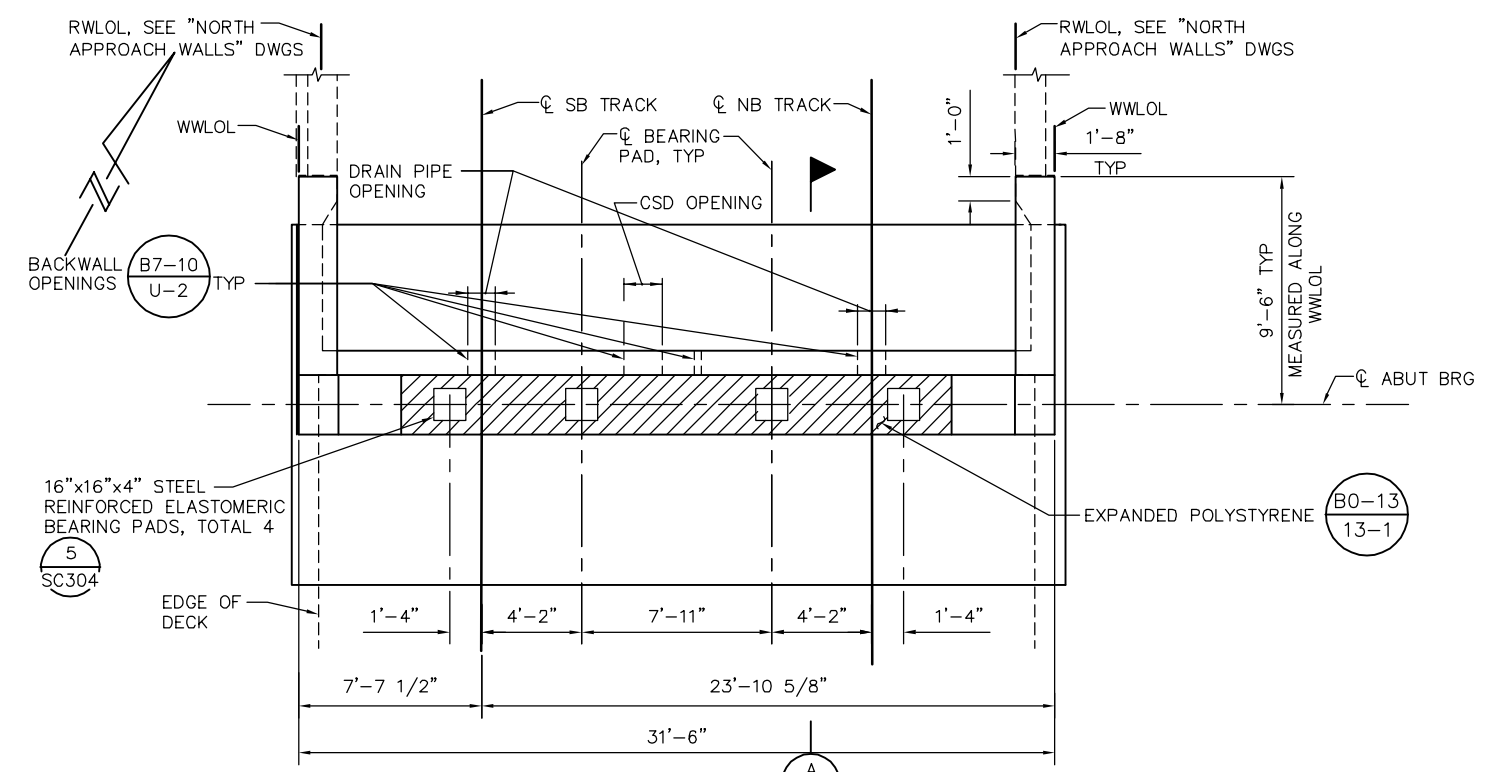
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOUNDATION PLAN - FRAME 35

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

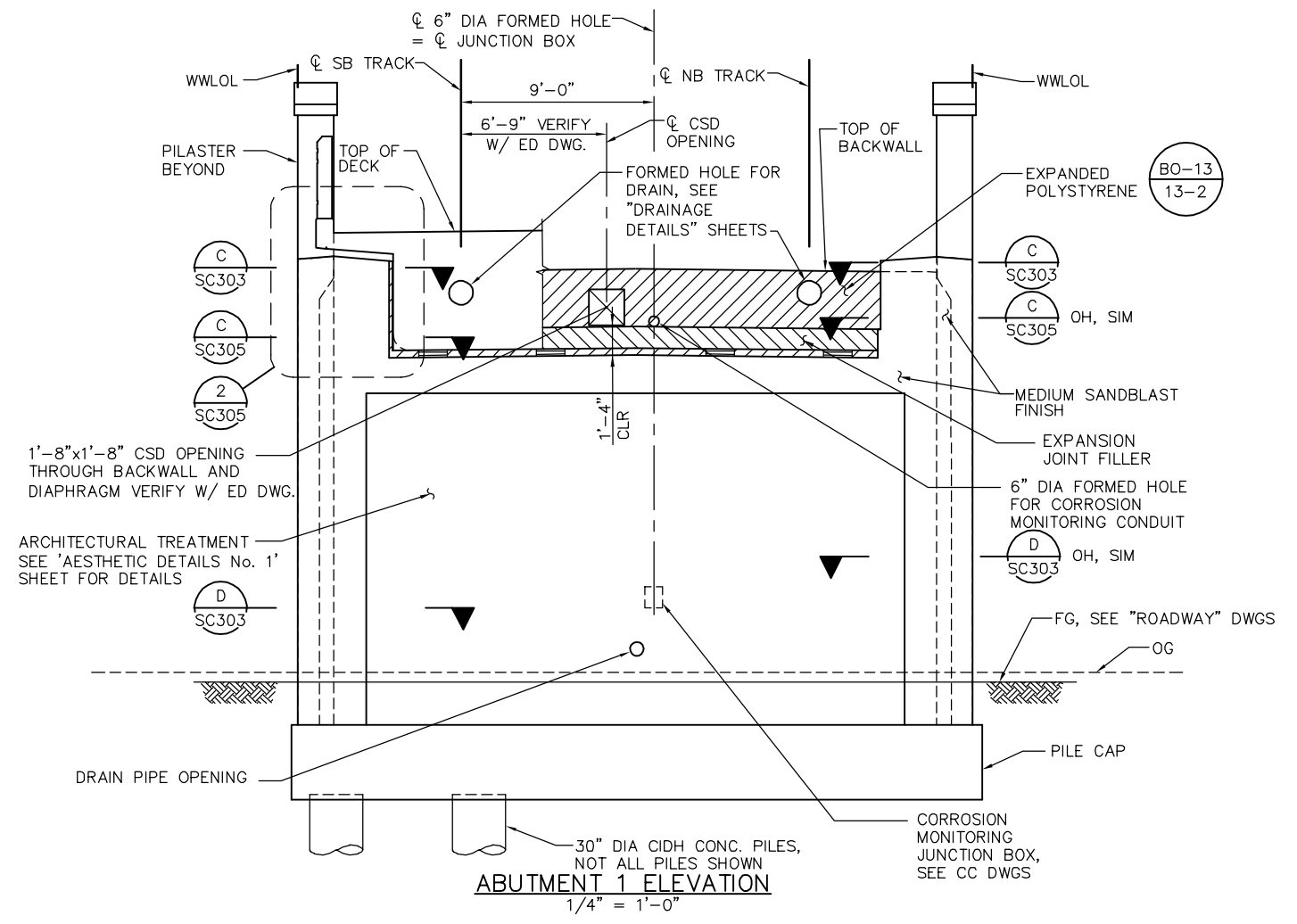
SHEET OF
DRAWING NO. SU335
REVISION C



ABUTMENT 1 FOOTING PLAN
1/4" = 1'-0"



ABUTMENT 1 PLAN
1/4" = 1'-0"



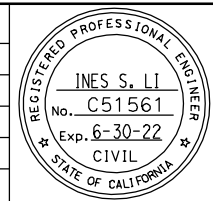
ABUTMENT 1 ELEVATION
1/4" = 1'-0"

NOTE:
1. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

LEGEND:
 INDICATES EXPANDED POLYSTYRENE
 INDICATES EXPANSION JOINT FILLER

JCL Jun 22, 2020 - 2:21pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SC301.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95126
 408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SC301

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
03/13/2020

SCALE
1/4" = 1'-0"

SUBMITTAL DATE
06/29/20

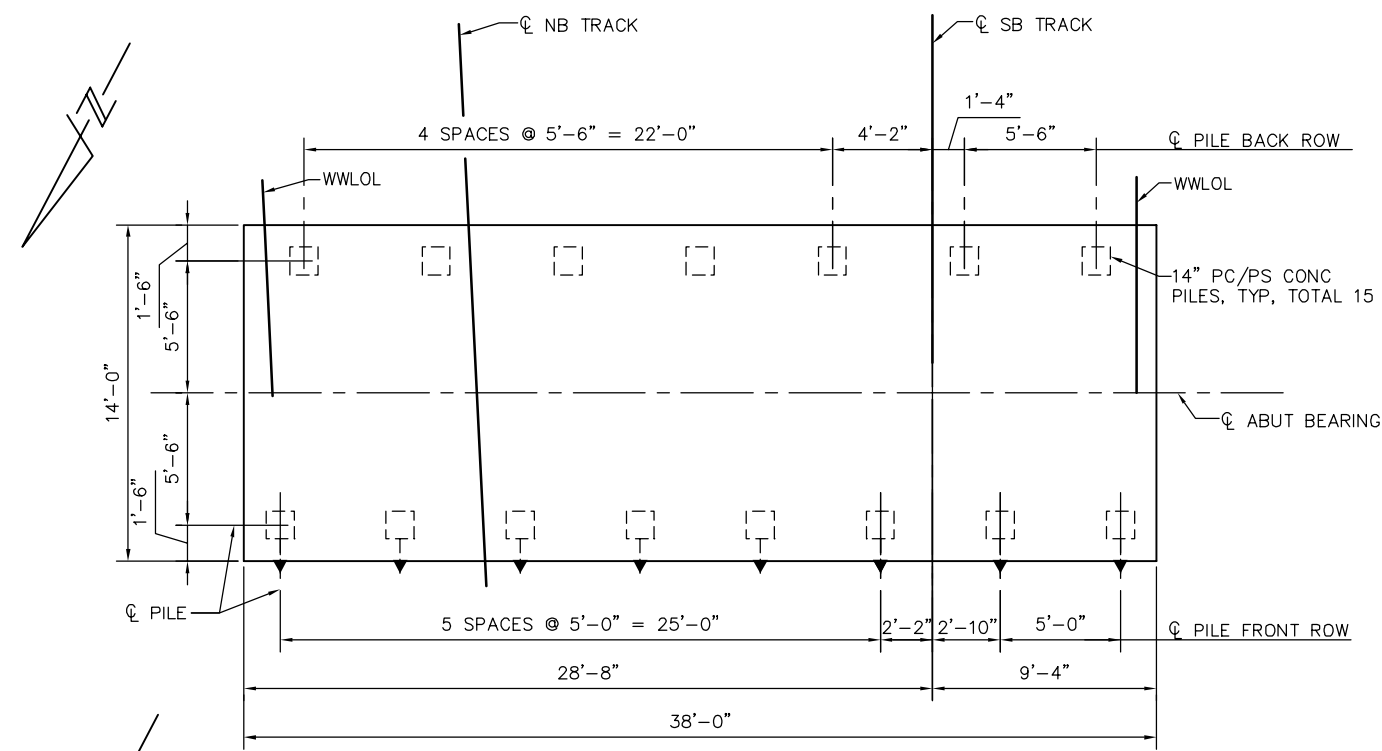
BOARD APPROVAL DATE

PLAN CHECK SET/NOT FOR CONSTRUCTION

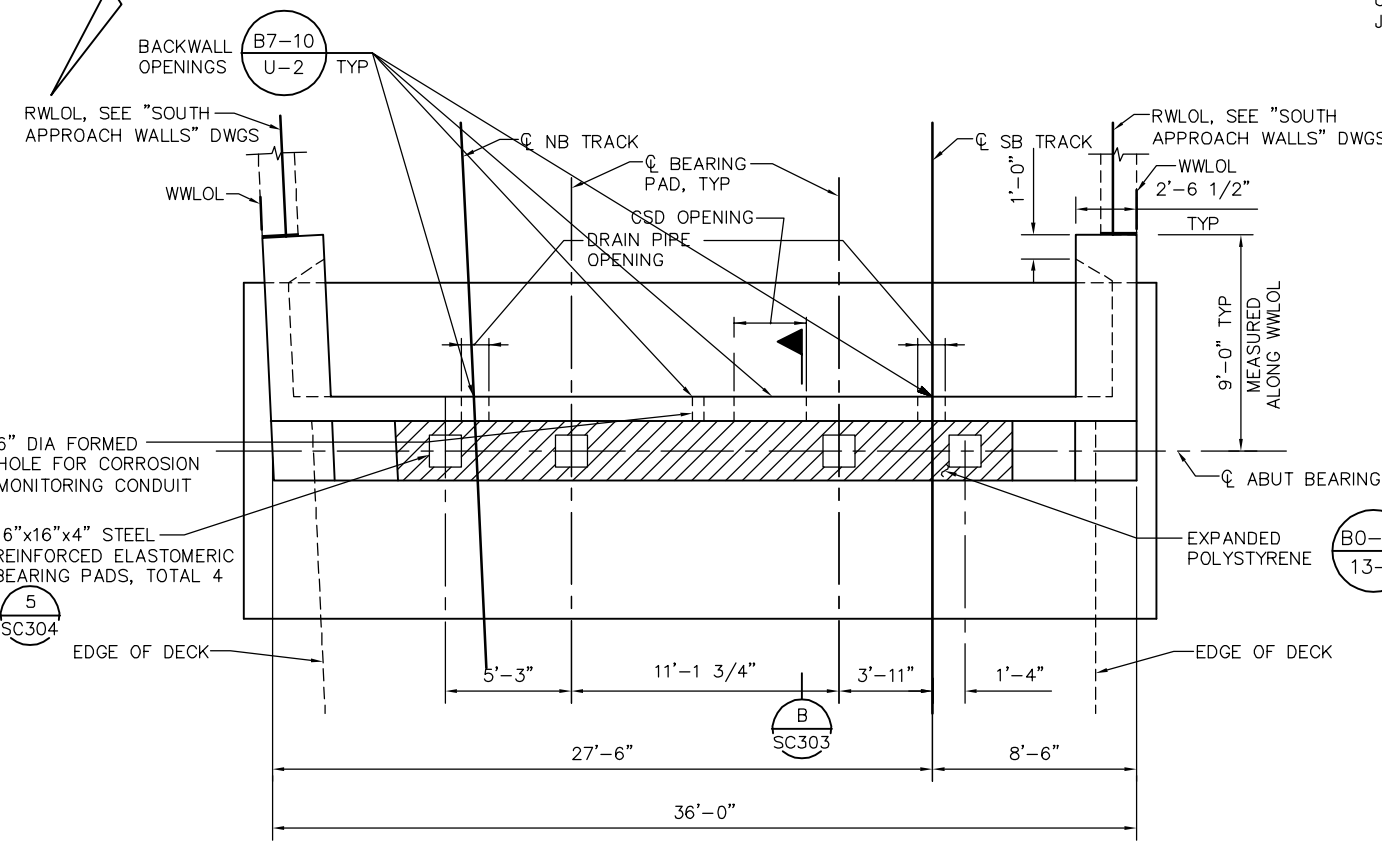
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ABUTMENT 1 LAYOUT

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

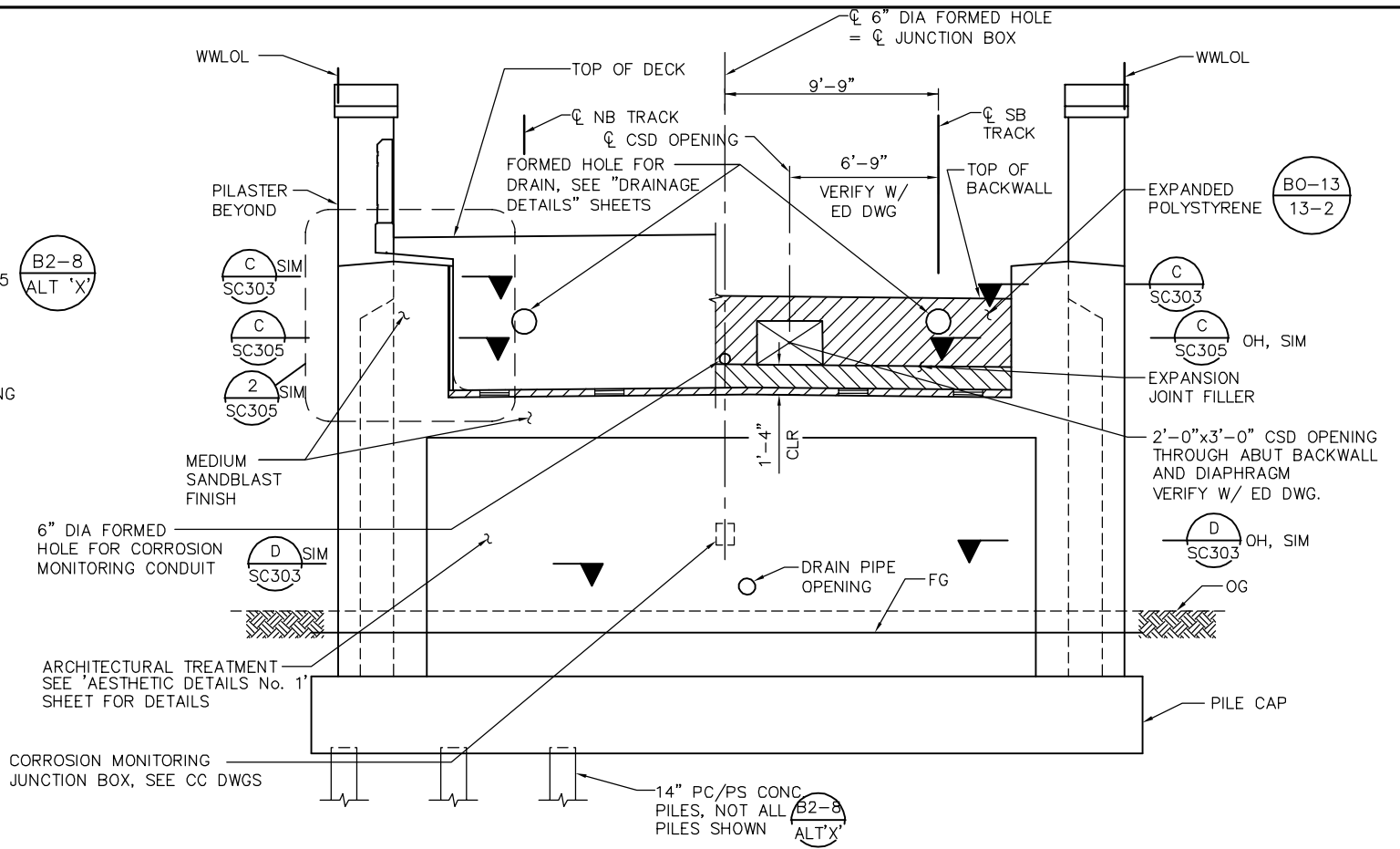
SHEET OF	
DRAWING NO.	SC301
REVISION	B



ABUTMENT 76 FOOTING PLAN
1/4" = 1'-0"



ABUTMENT 76 PLAN
1/4" = 1'-0"



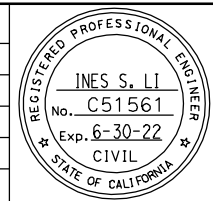
ABUTMENT 76 ELEVATION
1/4" = 1'-0"

NOTE:
1. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

- LEGEND:**
- INDICATES VERTICAL PILE
 - INDICATES BATTERED PILE (3:1)
 - INDICATES EXPANDED POLYSTYRENE
 - INDICATES EXPANSION JOINT FILLER

JCL Jun 22, 2020 - 2:21pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SC302.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
1871 The Alameda, Suite 200
San Jose, California 95126
408-295-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC302



APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1/4" = 1'-0"
BOARD APPROVAL DATE:

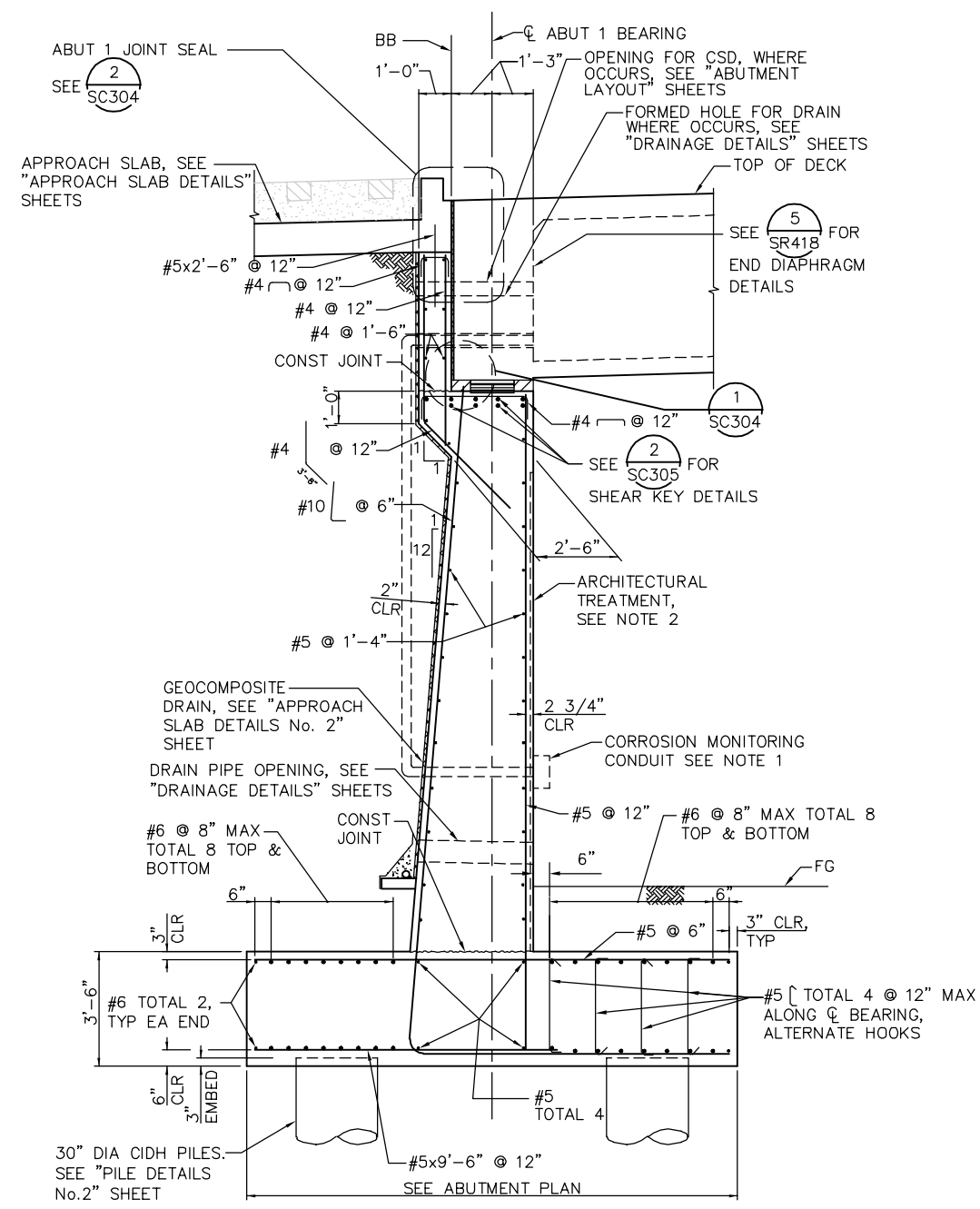
PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ABUTMENT 76 LAYOUT

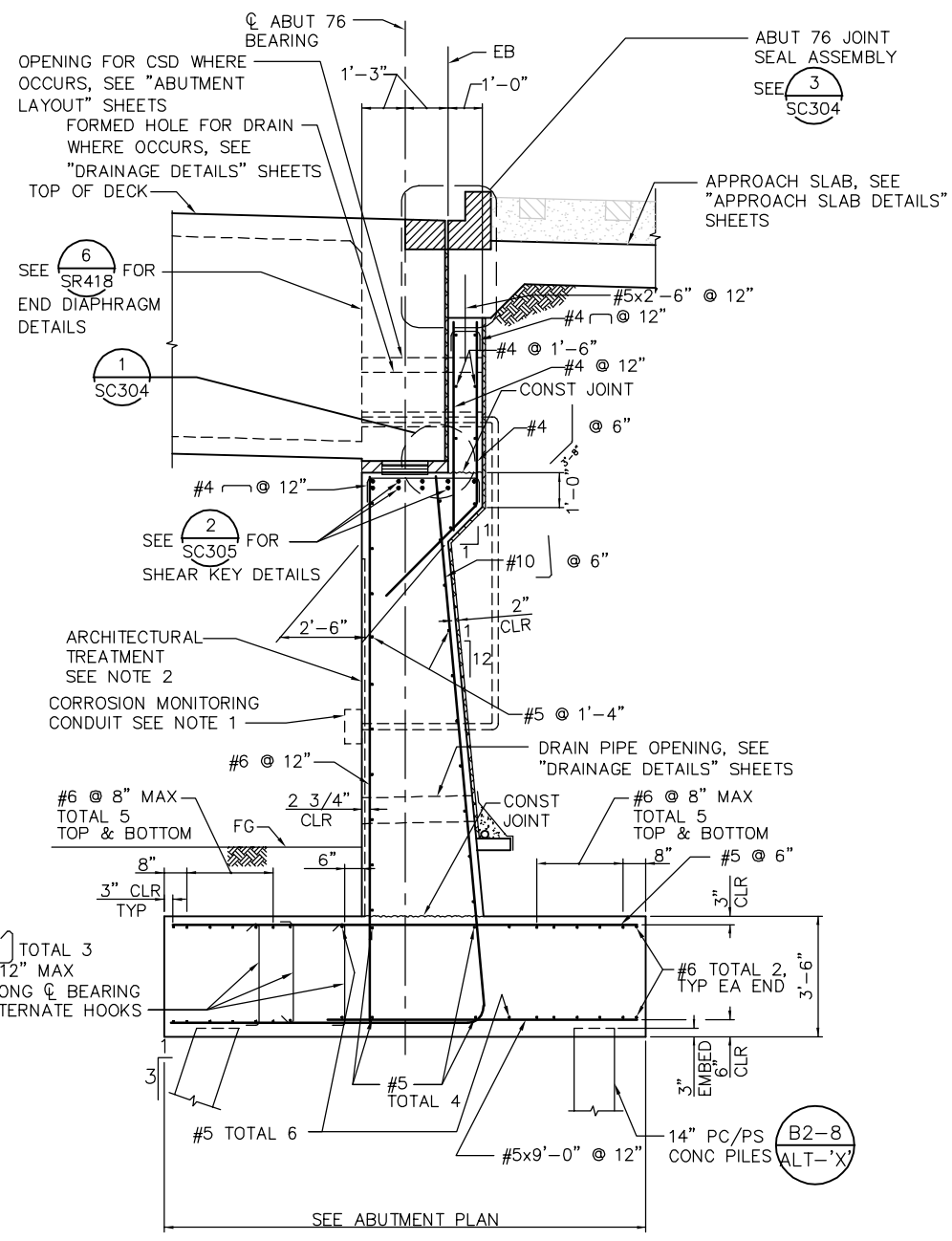
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SC302
REVISION	B

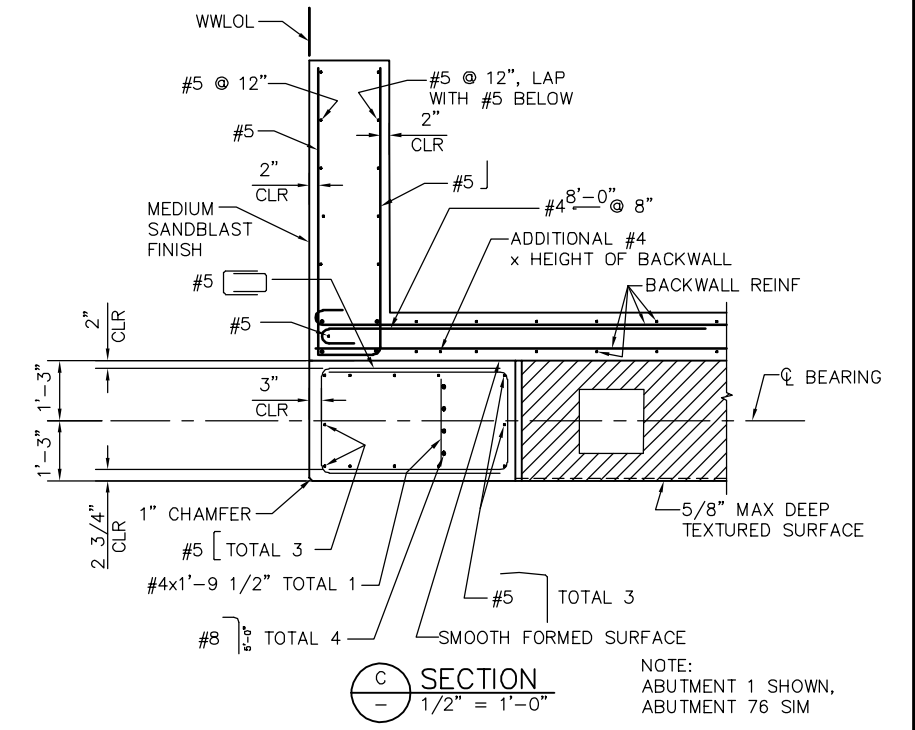
- NOTES:
 1. FOR CORROSION MONITORING SYSTEM, SEE CC DWGS
 2. FOR ARCHITECTURAL TREATMENT, SEE "AESTHETIC DETAILS" SHEETS



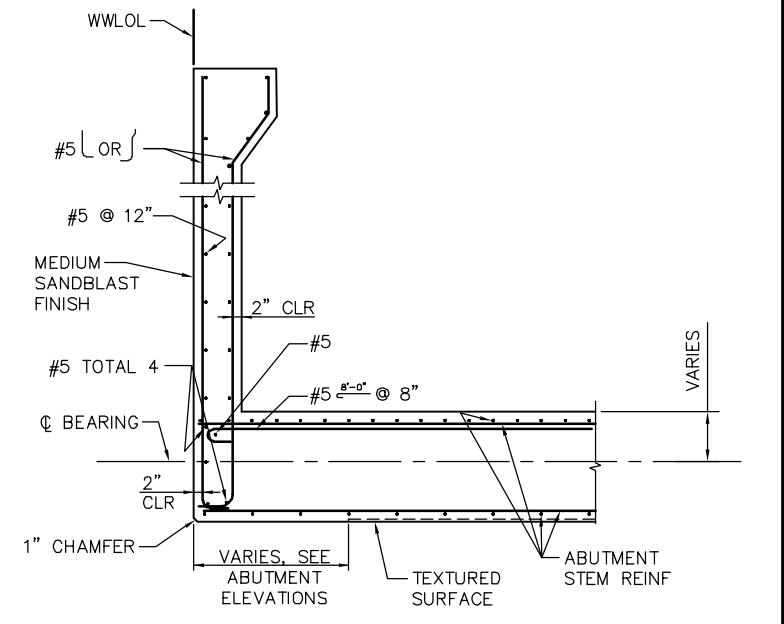
(A) ABUTMENT 1 SECTION
 - 3/8" = 1'-0"



(B) ABUTMENT 76 SECTION
 - 3/8" = 1'-0"



(C) SECTION
 - 1/2" = 1'-0"
 NOTE: ABUTMENT 1 SHOWN, ABUTMENT 76 SIM

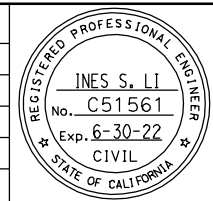


(D) SECTION
 - 1/2" = 1'-0"
 NOTE: ABUTMENT 1 SHOWN, ABUTMENT 76 SIM

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 2:21pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SC303.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95126
 408-296-5515

DESIGNED
 D. CHAN

CHECKED
 D. DEVLIN

DRAWN
 S. HICKEY

CADD FILENAME
 801SC303.dwg



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 05/18/20

SCALE
 AS SHOWN

SUBMITTAL DATE
 06/29/20

BOARD APPROVAL DATE

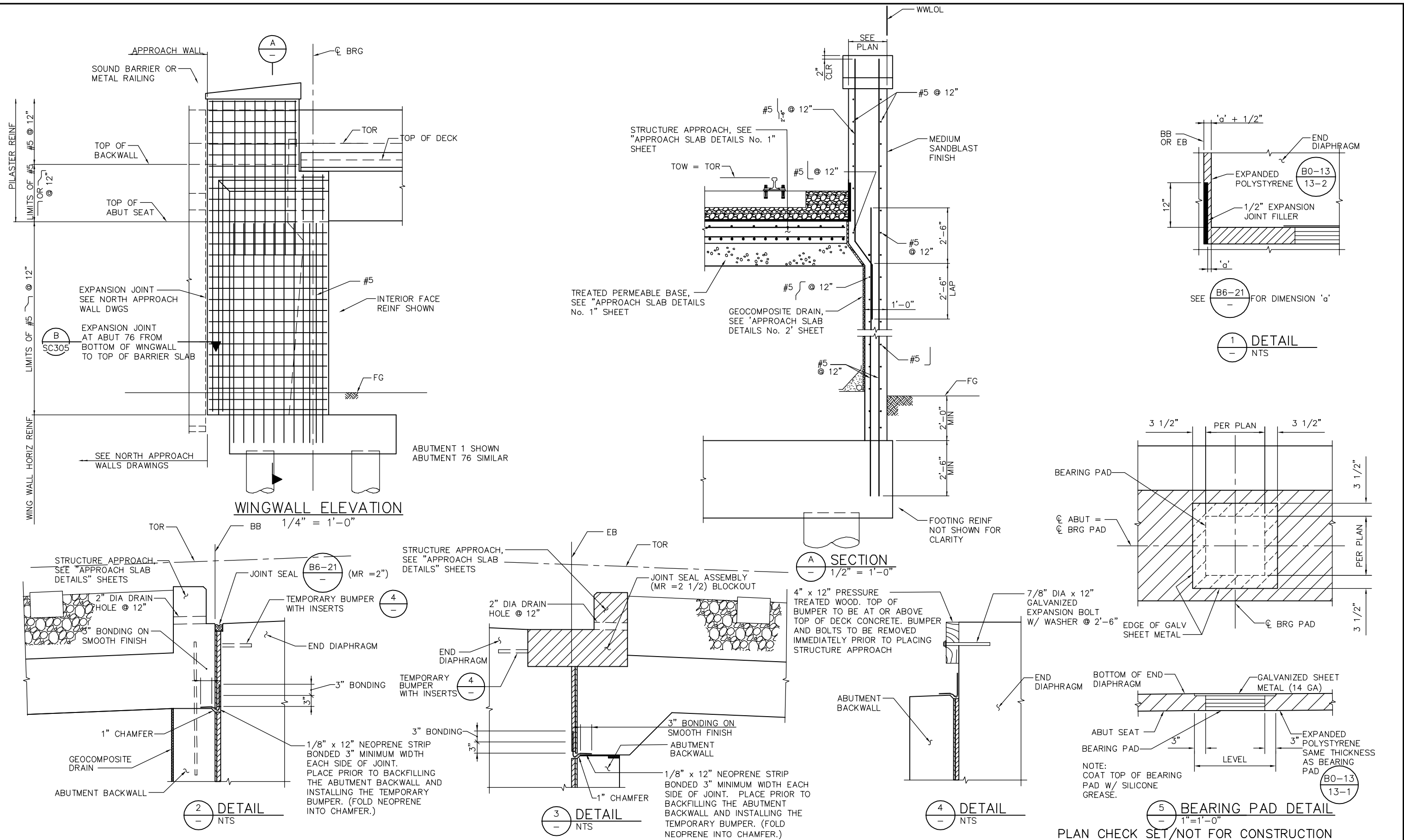
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 ABUTMENT DETAILS No. 1

PCA NO.
 000

CONTRACT NO.
 C801

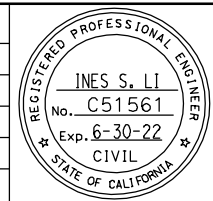
FILE LOCATION
 PROJECTWISE

SHEET	OF
DRAWING NO. SC303	REVISION B



JCL Jun 22, 2020 - 2:21pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\B01SC304.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



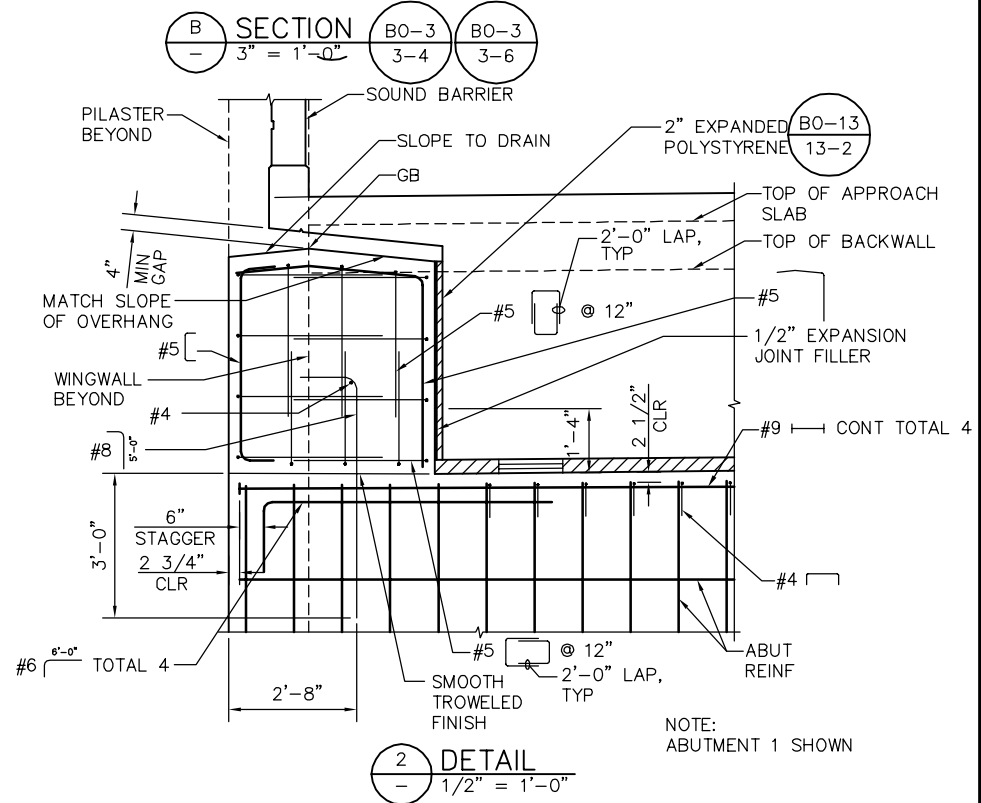
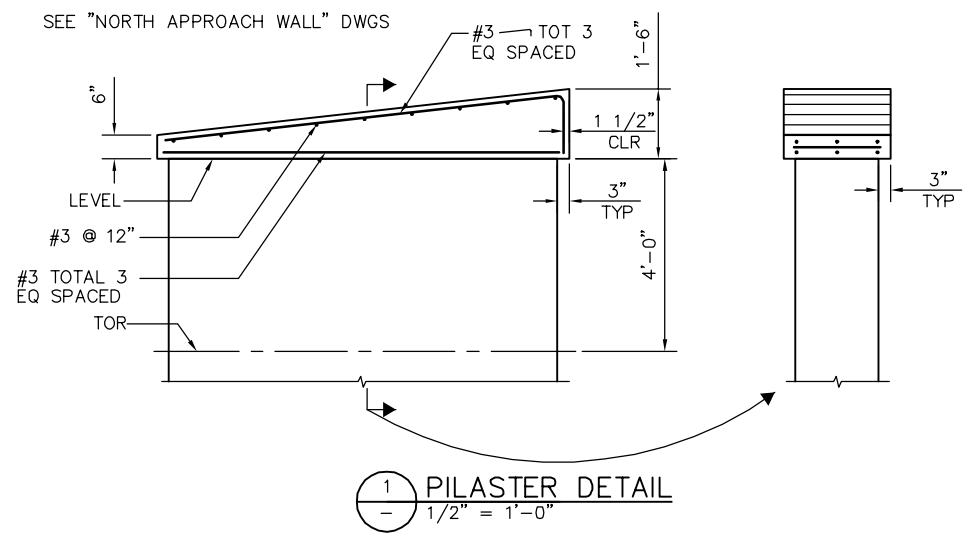
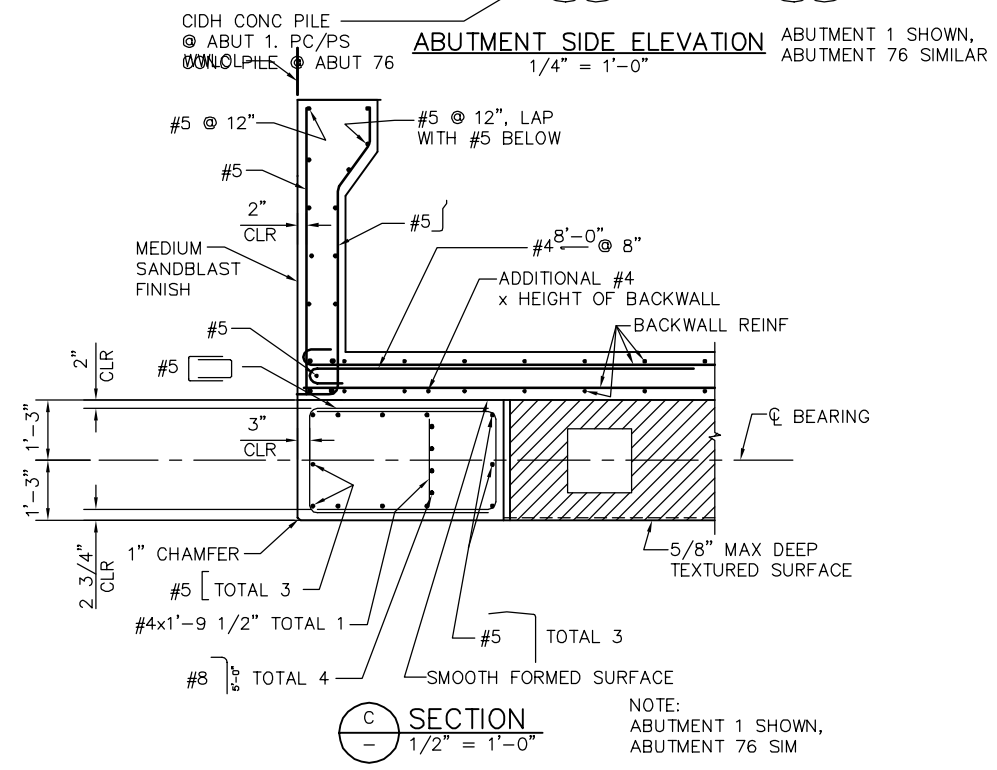
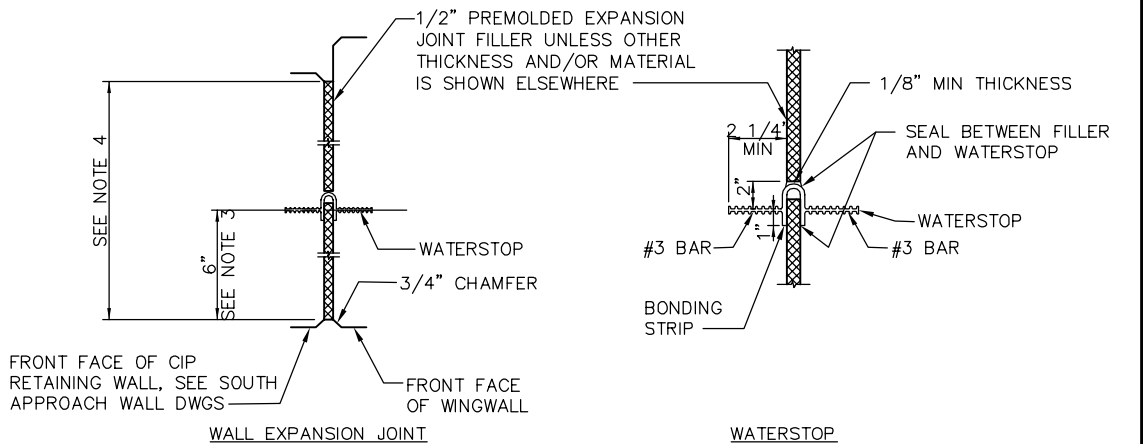
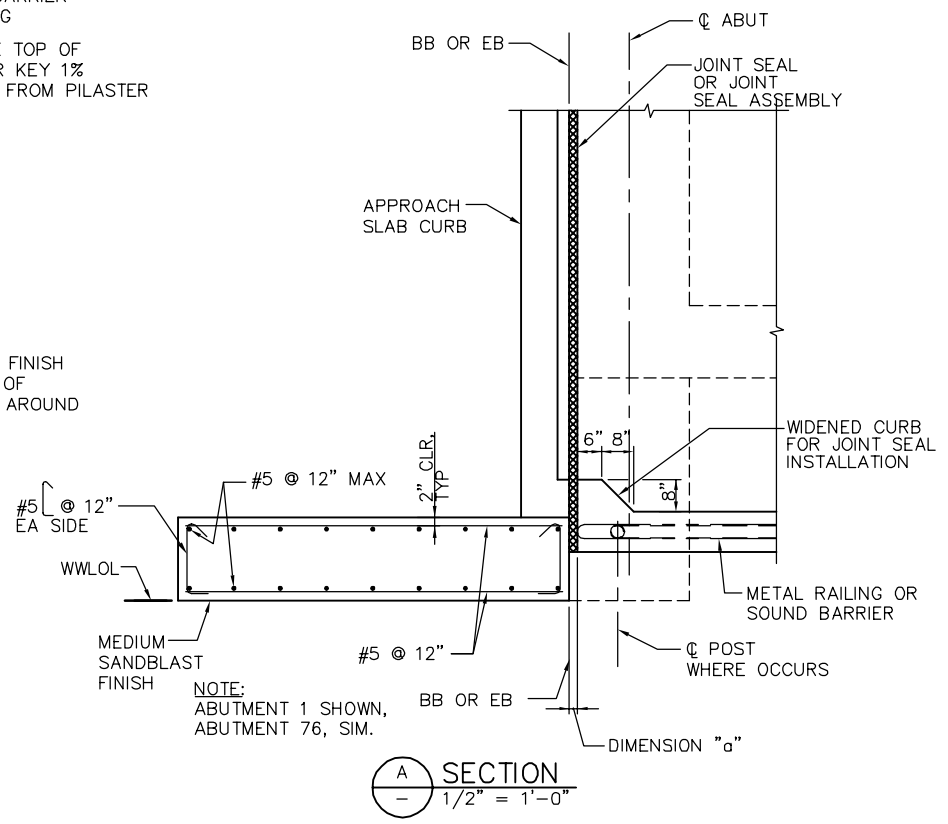
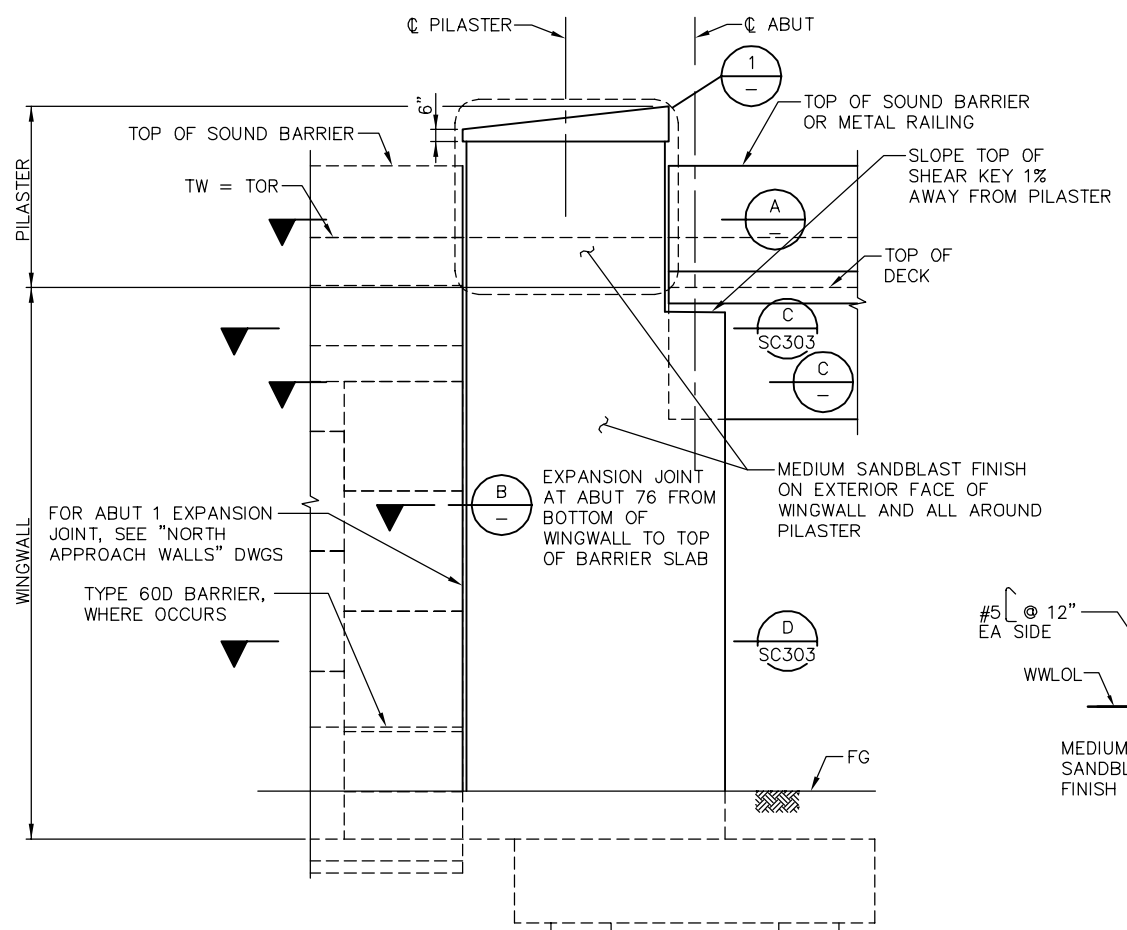
SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515
 DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SC304

Santa Clara Valley
Transportation Authority

APPROVED
BKF100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
**CAPITOL AERIAL GUIDEWAY
 ABUTMENT DETAILS No. 2**

SHEET OF SC304 REVISION B
 PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE



- WALL EXPANSION JOINT NOTES:**
- HOLES WILL BE PERMITTED IN THE OUTER 1/2" OF THE WEB FOR WIRE, RINGS, ETC. TIE WEB TO #3 REINFORCING BARS @ 12" MAXIMUM INTERVALS TO SUPPORT THE WATERSTOP IN PROPER POSITION DURING CONCRETE PLACEMENT. ALTERNATIVE DETAIL MAY BE SUBMITTED FOR APPROVAL OF THE ENGINEER.
 - WATERSTOP TO HAVE 5 OR MORE PAIRS OF RAISED RIBS TO PROVIDE 0.1 SQUARE INCH MINIMUM RIB CROSS-SECTION AREA ON EACH HALF OF THE WATERSTOP.
 - FOR PLACEMENT IN BRIDGE DECKS, SEE JOINT SEAL DETAILS, FOR WALL THICKNESS THAN 1'-0", USE 1/2 THE WALL THICKNESS.
 - WIDTH OF EXPANSION JOINT FILLER IS CONSTANT OVER THE HEIGHT OF THE JOINT AND WIDTH IS LIMITED BY RETAINING WALL THICKNESS.

SMH Jun 21, 2020 - 9:59am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SC305.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC305



APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

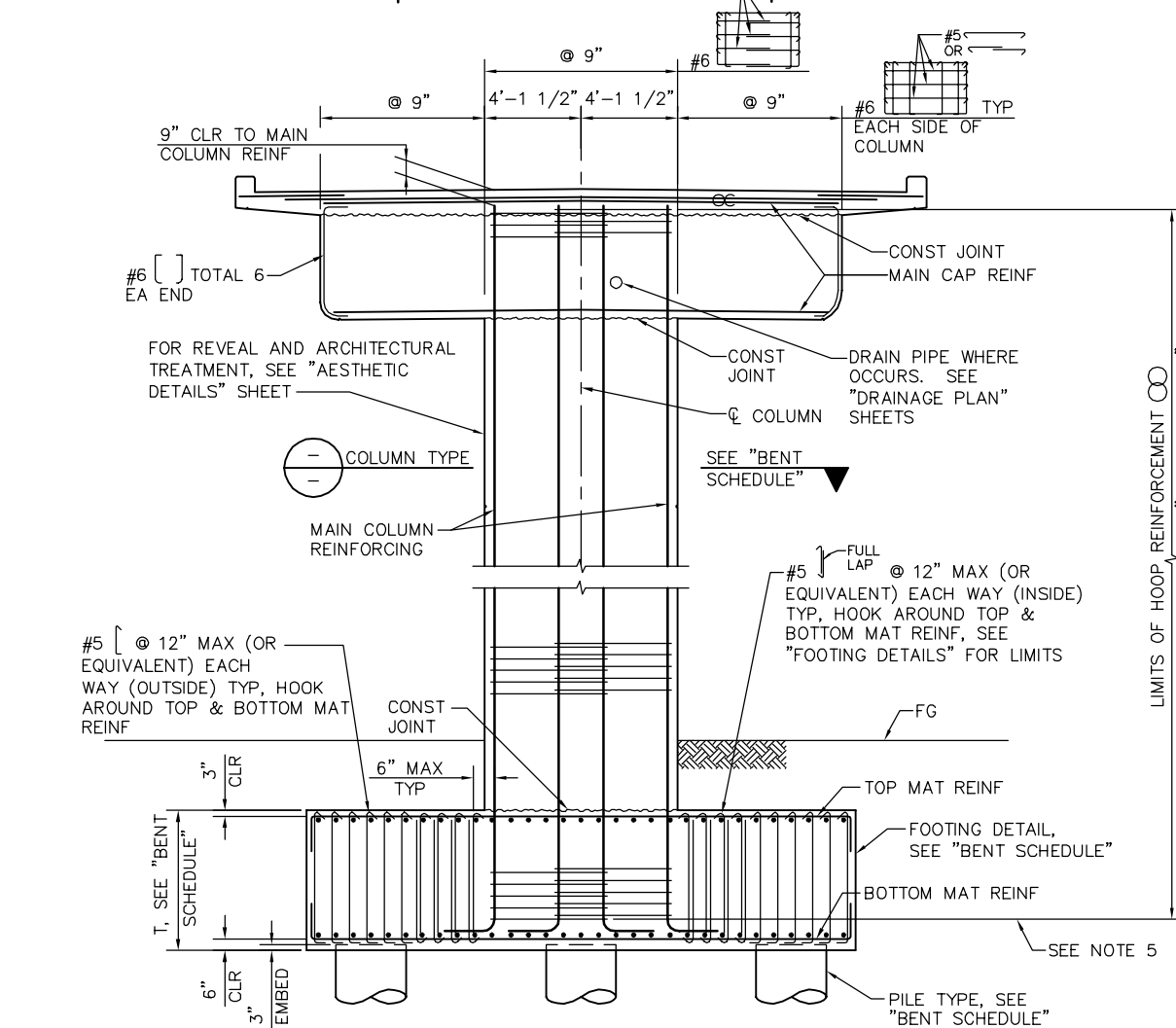
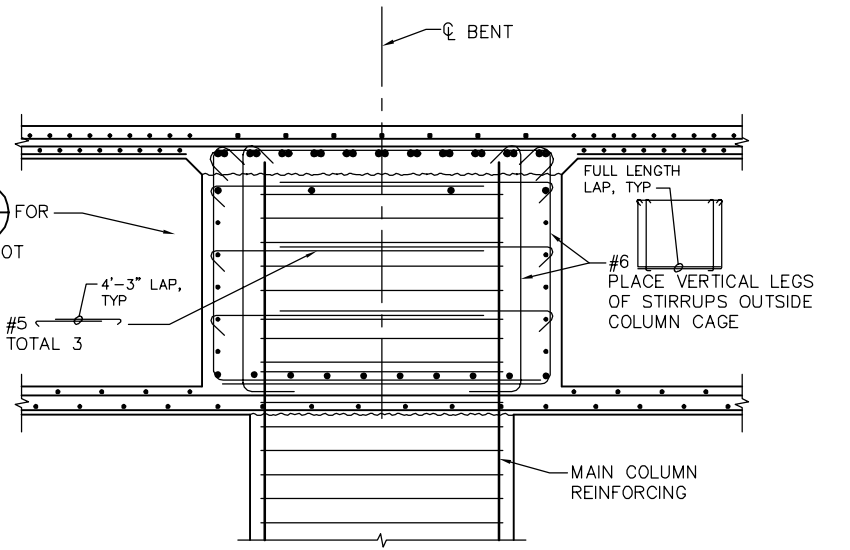
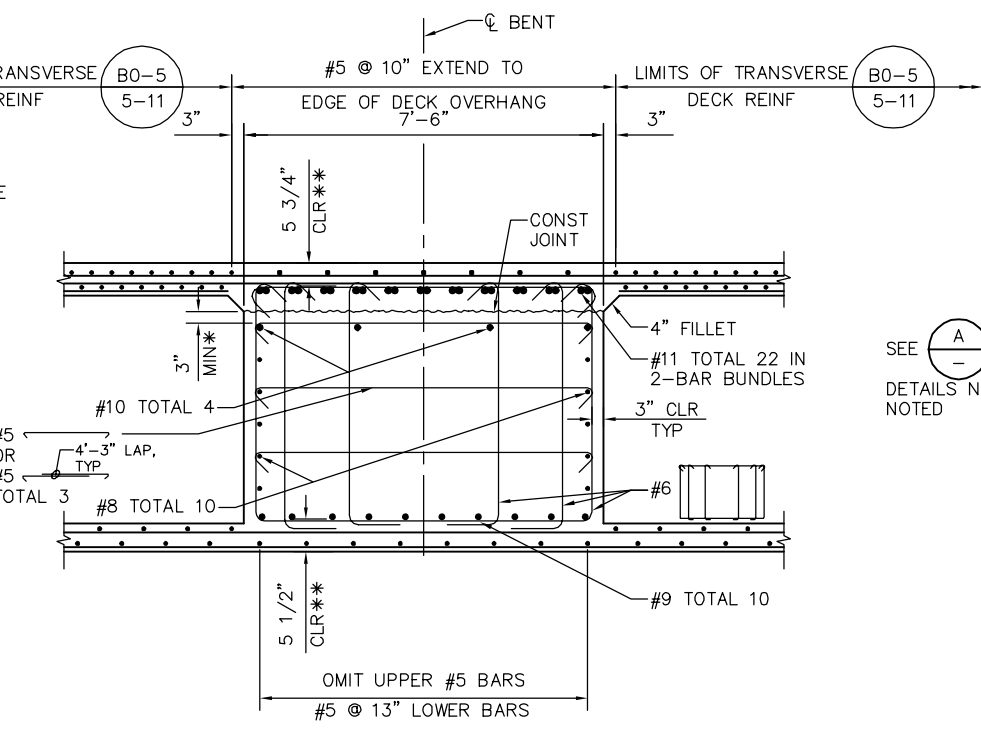
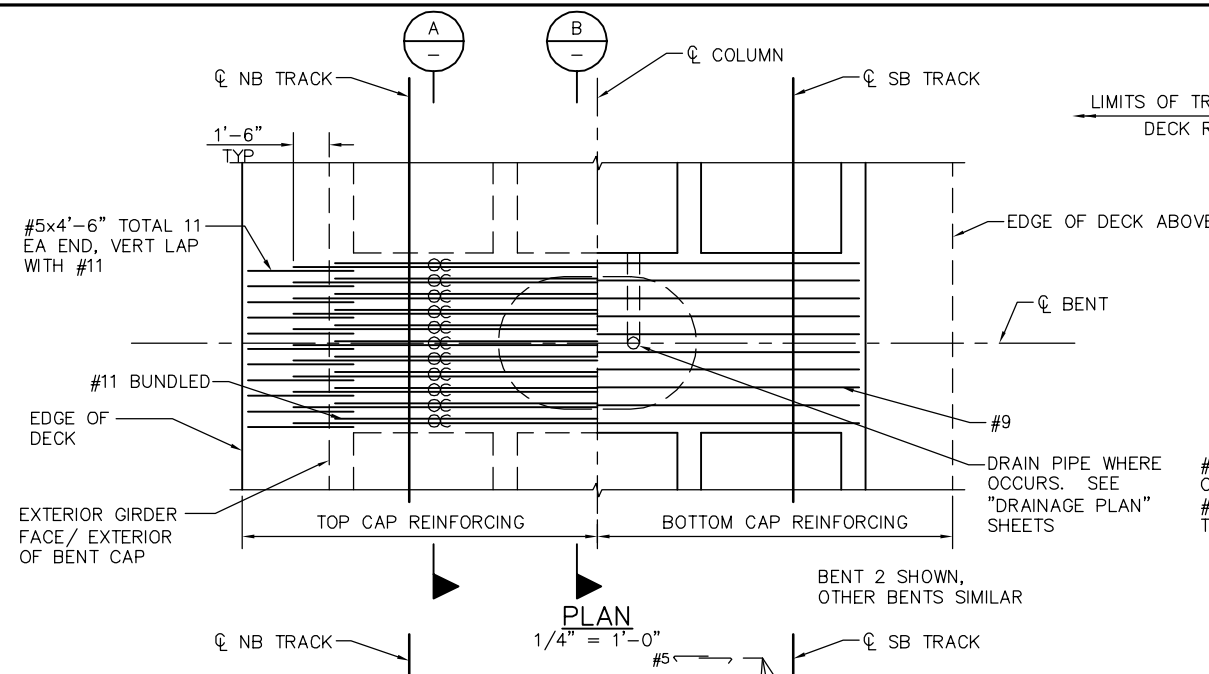
CADD FILE DATE: 06/20/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION (09/21/2018)

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ABUTMENT DETAILS No. 3

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SC305 REVISION B



- * PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
- ** CLEARANCE TO MAIN CAP REINFORCEMENT

LEGEND

—●— INDICATES BUNDLED BARS

NOTES:

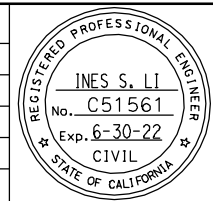
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
2	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(C) SC332	(1) SD315
3	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(C) SC332	(1) SD315
4	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(C) SC332	(1) SD315

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 9:59am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SC306.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	03/19	35% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: A. ROSALES
CADD FILENAME: 801SC306.dwg

Santa Clara Valley Transportation Authority

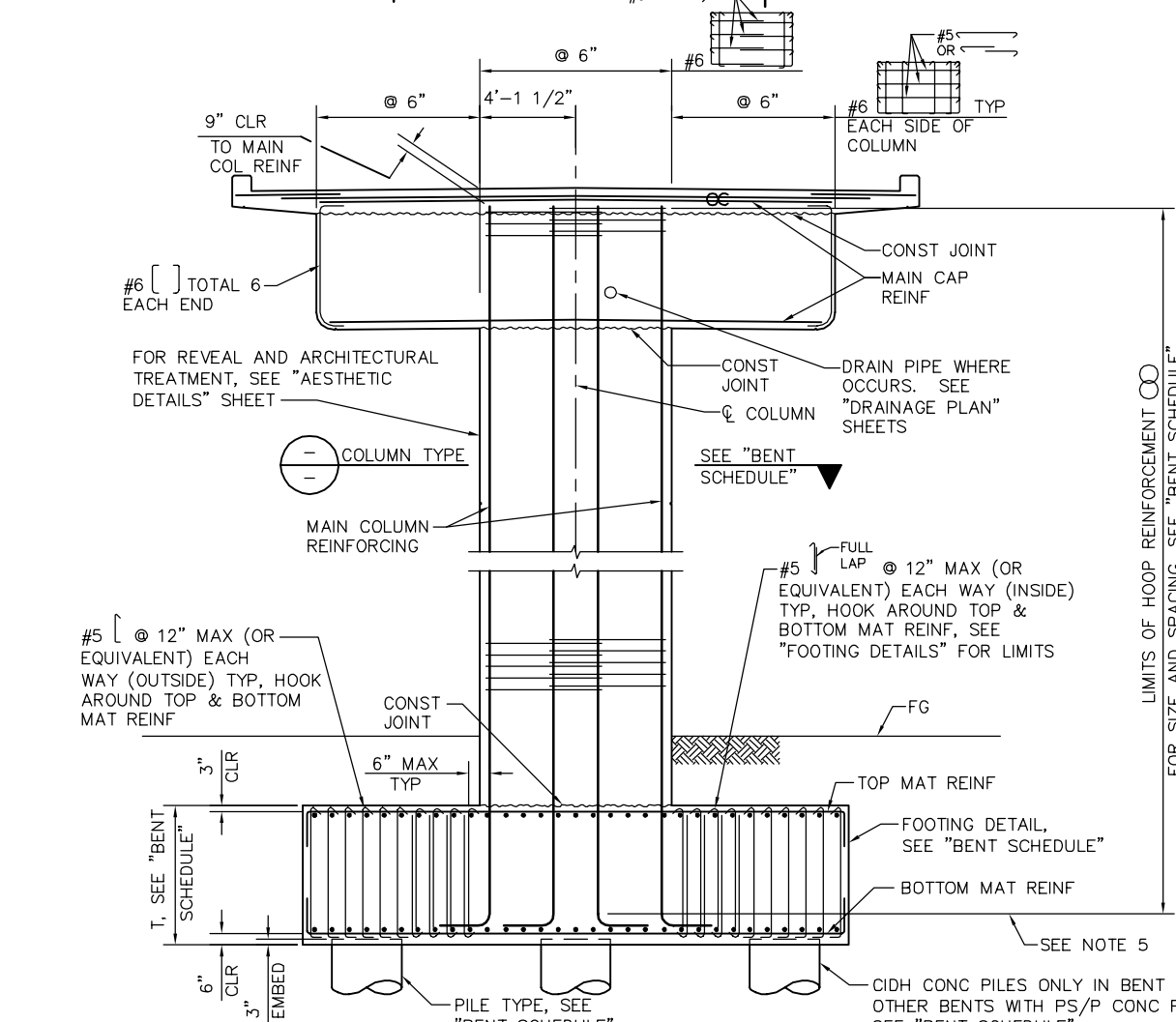
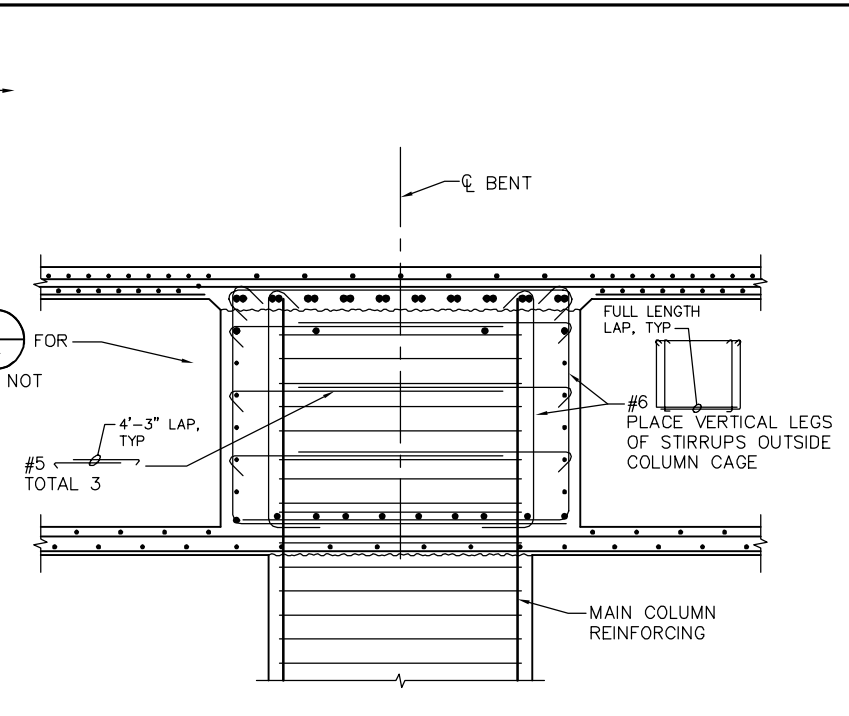
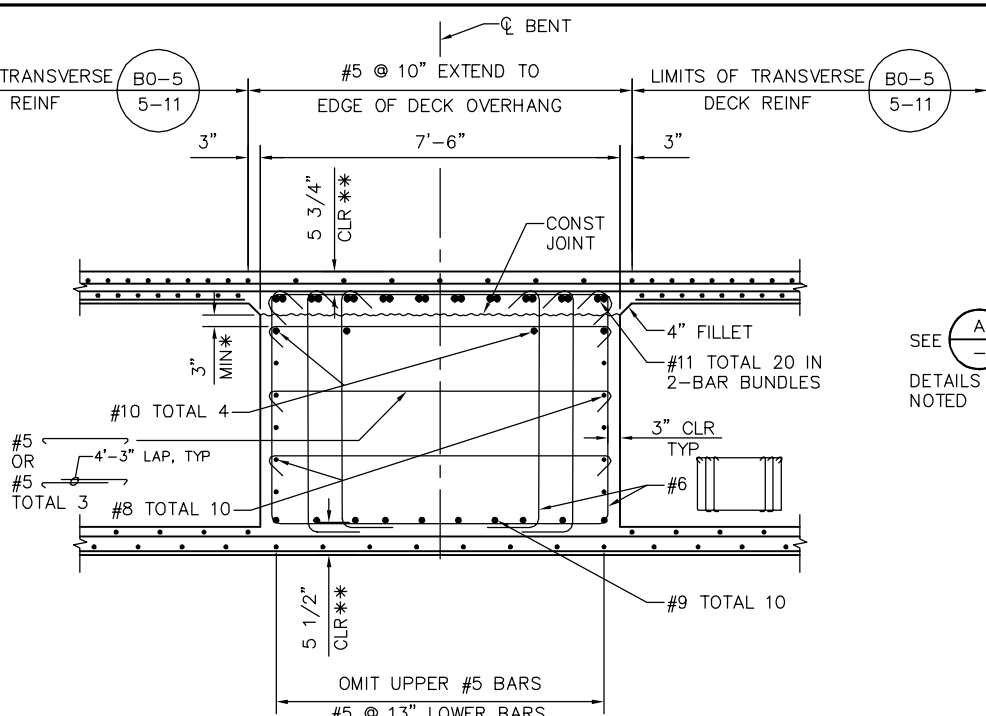
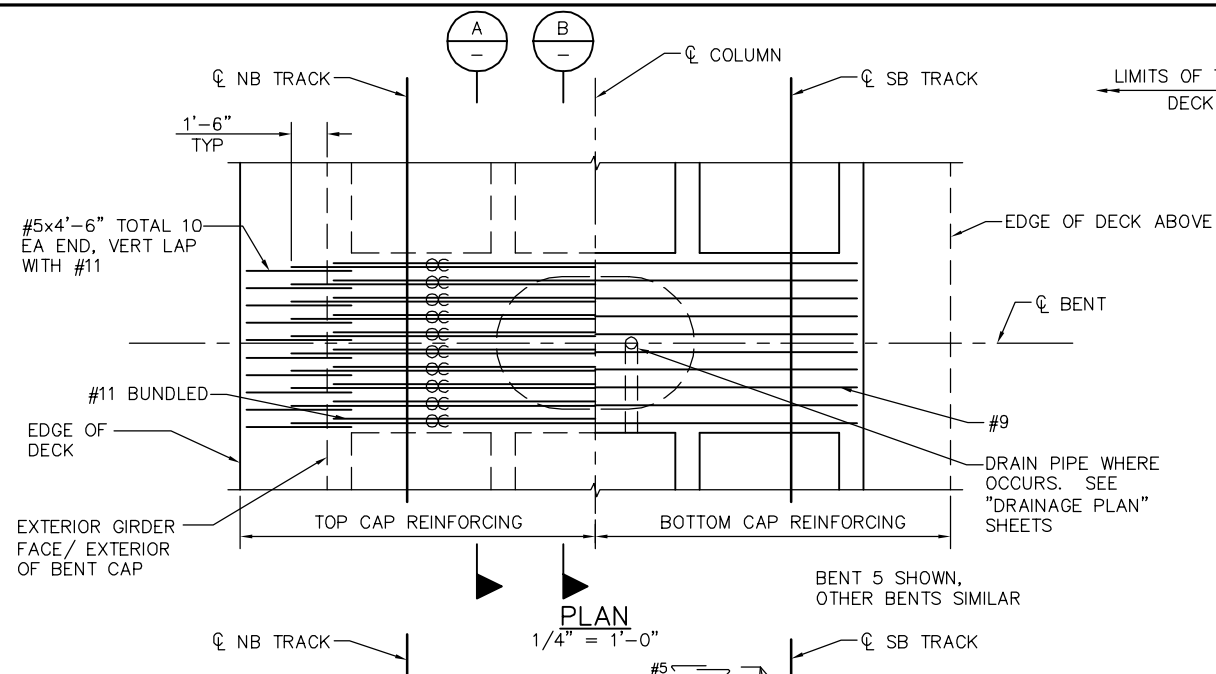
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY BENT DETAILS No. 1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	SC306
DRAWING NO.	SC306
REVISION	C



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

LEGEND

— ○ — INDICATES BUNDLED BARS

NOTES:

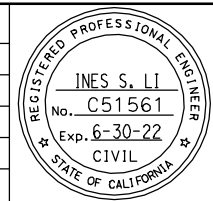
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
5	A SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	C SC332	1 SD315
8	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	1 SD314
9	A SC338	5'-6" x 8'-3"	#7 @ 5"	6'-0"	A SC332	1 SD314
10	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	1 SD314
11	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	1 SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:00am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC307.dwg

NO.	DATE	REVISIONS
C	04/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	03/19	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED
 D. CHAN

CHECKED
 D. DEVLIN

DRAWN
 A. ROSALES

CADD FILENAME
 801SC307.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 05/18/20

SCALE
 AS SHOWN

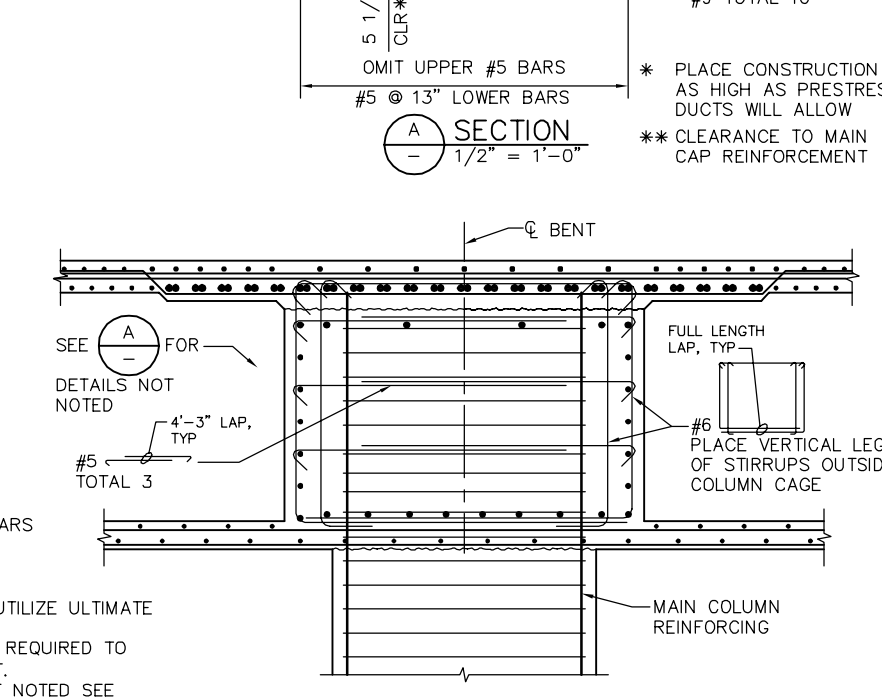
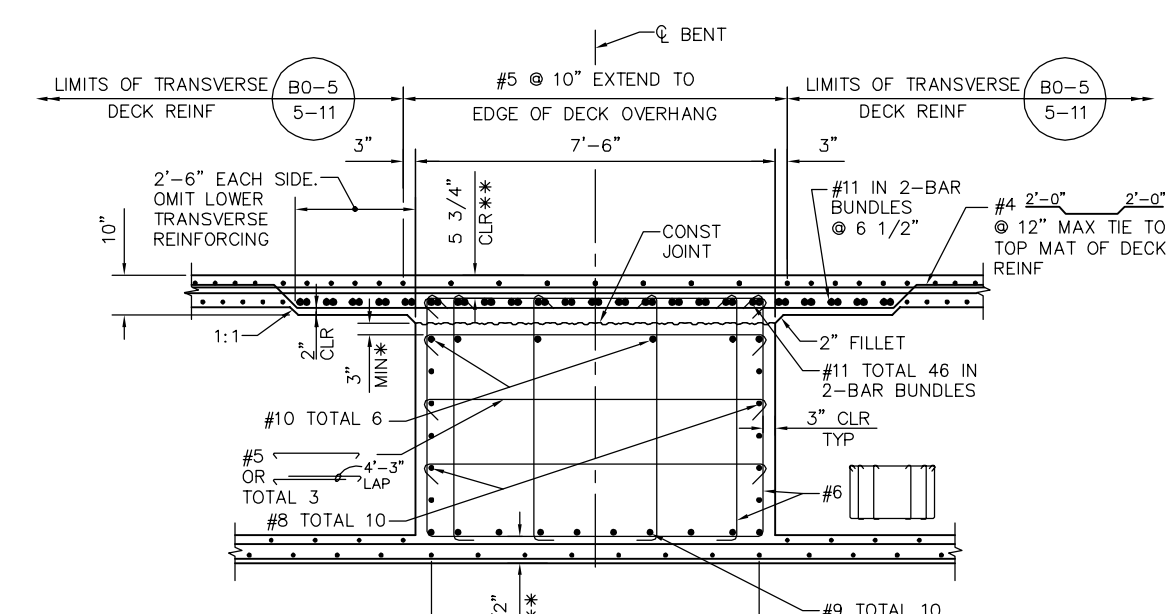
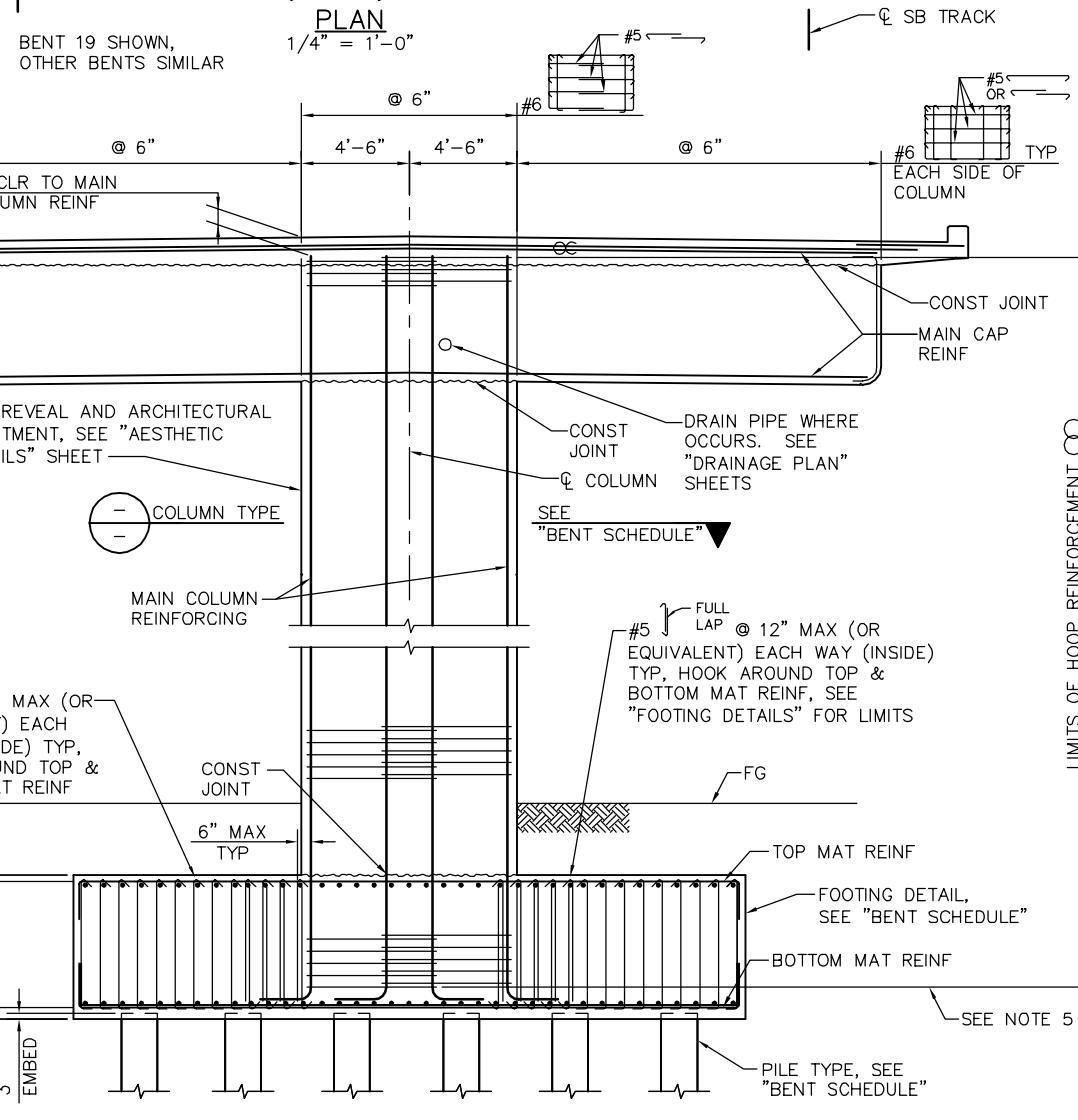
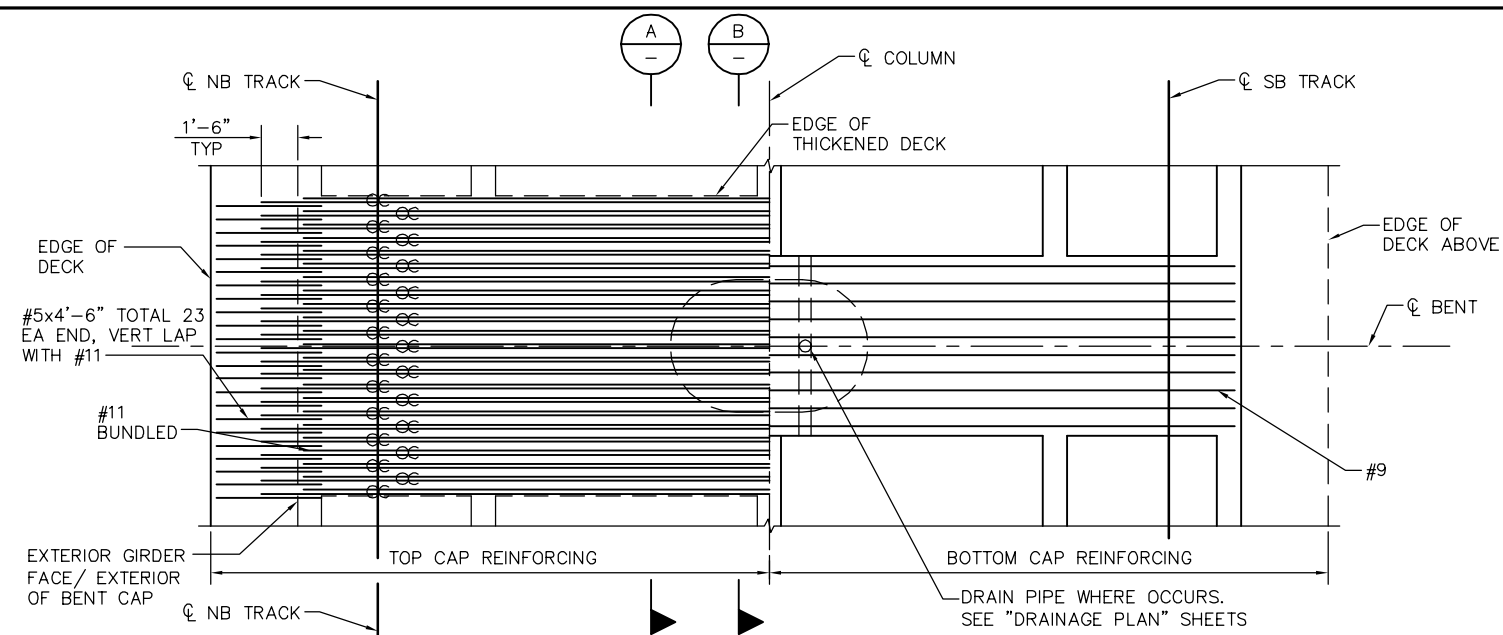
SUBMITTAL DATE
 06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF
 DRAWING NO. SC307
 REVISION C



LEGEND
 INDICATES BUNDLED BARS

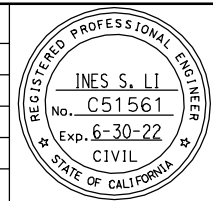
- NOTES:**
- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 - ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 - NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 - POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 - CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
14	(F) SC339	5'-6" x 9'-0"	#7 @ 6"	6'-0"	(C) SC335	(1) SD314
15, 19, 20	(B) SC339	5'-6" x 9'-0"	#7 @ 6"	6'-0"	(C) SC335	(1) SD314
21	(C) SC338	5'-6" x 8'-3"	#7 @ 5"	6'-0"	(E) SC335	(1) SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:00am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SC308.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	03/19	35% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC308.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

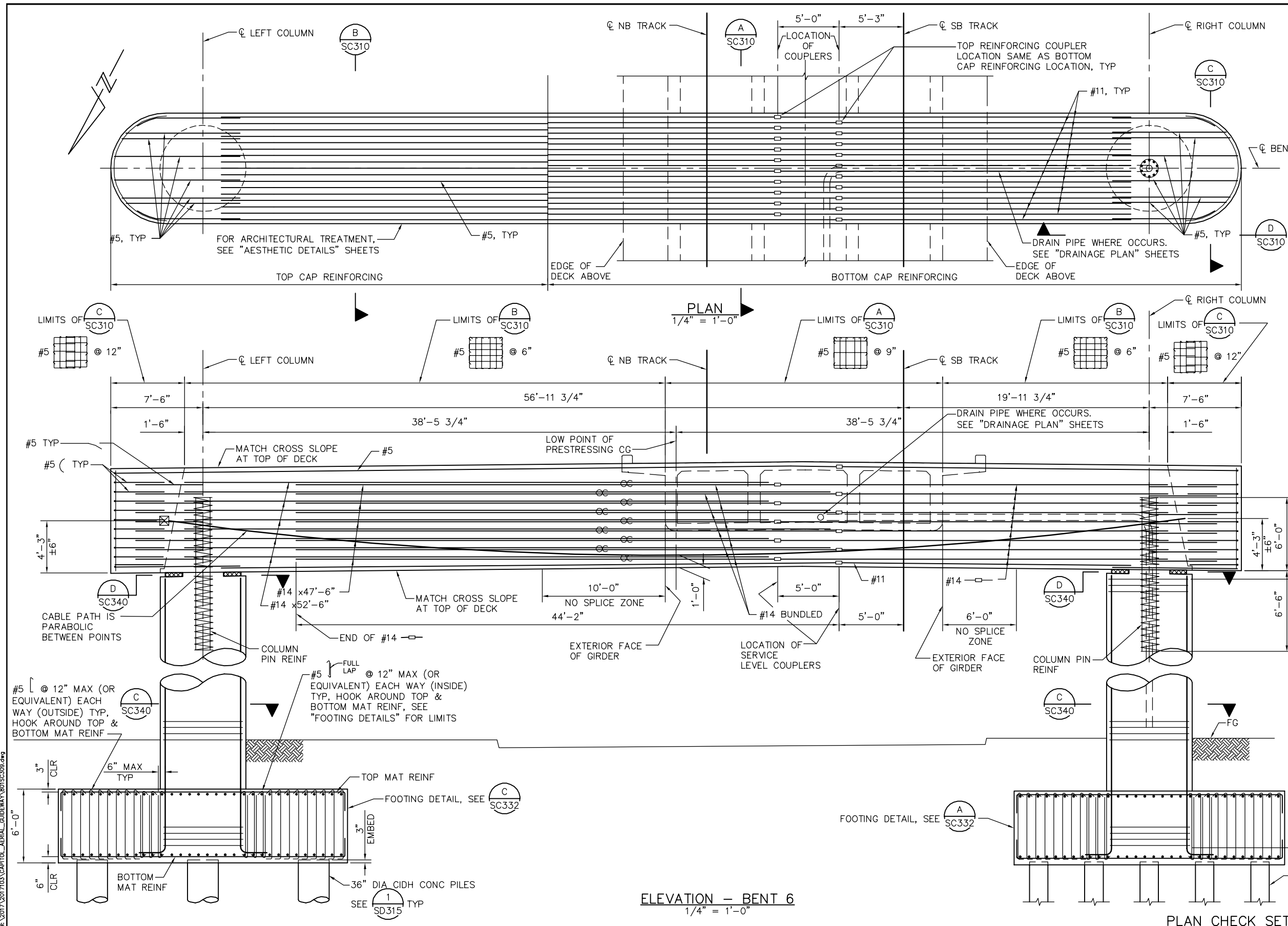
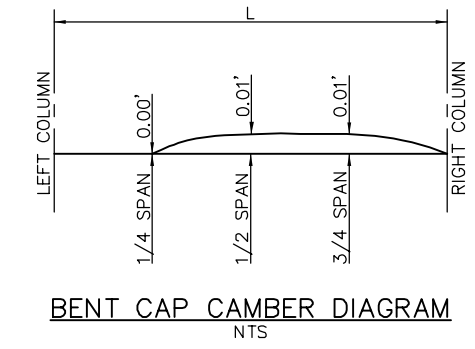
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY BENT DETAILS No. 3

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	SC308
DRAWING NO.	SC308
REVISION	C

- LEGEND**
- ⊗ INDICATES BUNDLED BARS
 - ⊖ INDICATES SERVICE LEVEL COUPLER
- NOTES:**
- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 - ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FOOTING REINF.
 - DISCONTINUE SPIRALS AT COLUMN PIN REINF AS REQUIRED TO CLR BENT CAP REINF.
 - #10, #11, #14 MAIN CAP REINF MUST BE SPLICED WITH SERVICE LEVEL SPLICES.
 - POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 - CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

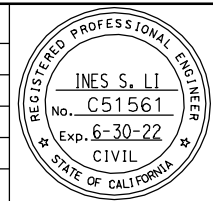
- BENT CAP PRESTRESSING NOTES**
- PRESTRESSING FORCE DESIGN IS BASED ON FRICTION CURVATURE COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $k = 0.0002 \text{ ft}^{-1}$
 - 270 ksi LOW RELAXATION STRAND:
 $P_{jack} = 10,420 \text{ kips}$
 $ANCHOR SET = 3/8"$
 - CONCRETE: $f'_c = 4000 \text{ psi @ 28 DAYS}$
 $f'_{ci} = 3500 \text{ psi @ TIME OF STRESSING}$
 - THE MAXIMUM JACKING STRESS IN PRESTRESSING STEEL MUST NOT EXCEED $0.75 f'_s$.
 - CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\boxtimes = 0.945$ TIMES JACKING STRESS.
 - ONE END STRESSING MUST BE PERFORMED FROM RIGHT COLUMN END.
 - \boxtimes DENOTES THEORETICAL POINT OF NO MOVEMENT
 - BENT CAP MUST BE PARTIALLY PRESTRESSED TO: 50% OF $P_{jack} = 5190 \text{ kips}$ PRIOR TO LONGITUDINAL PRESTRESSING OF SUPERSTRUCTURE GIRDERS. BENT CAP SHALL BE PRESTRESSED TO 100% P_{jack} AFTER COMPLETION OF GIRDER LONGITUDINAL PRESTRESSING.



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:00am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SD\SC309.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: A. ROSALES

CHECKED: D. DEVLIN
CADD FILENAME: 801SC309.dwg



APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

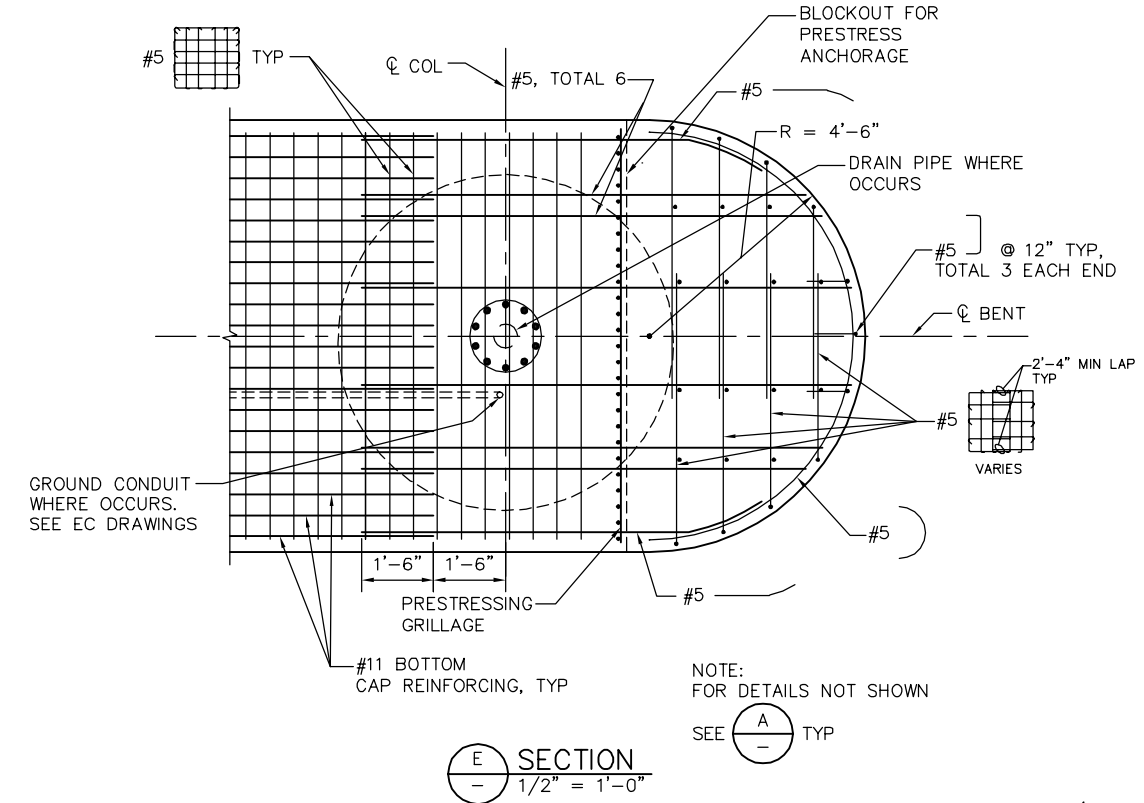
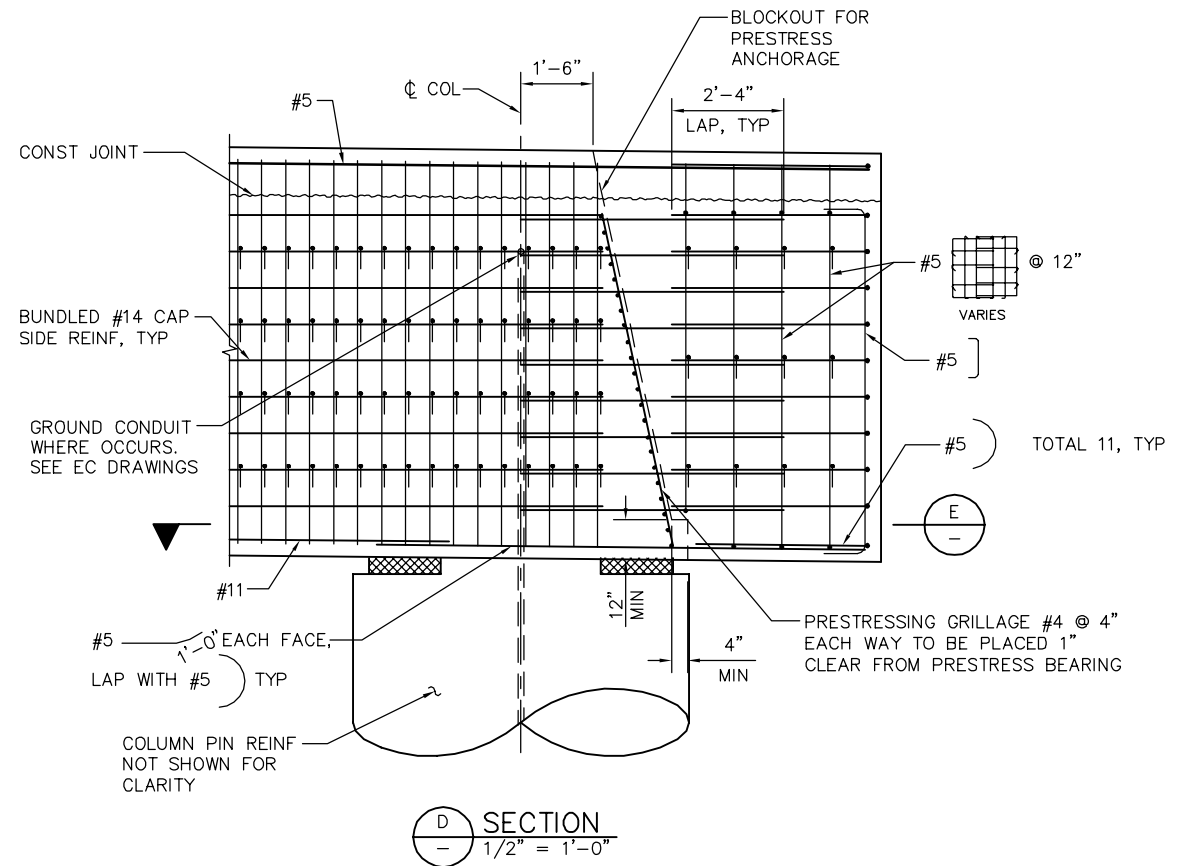
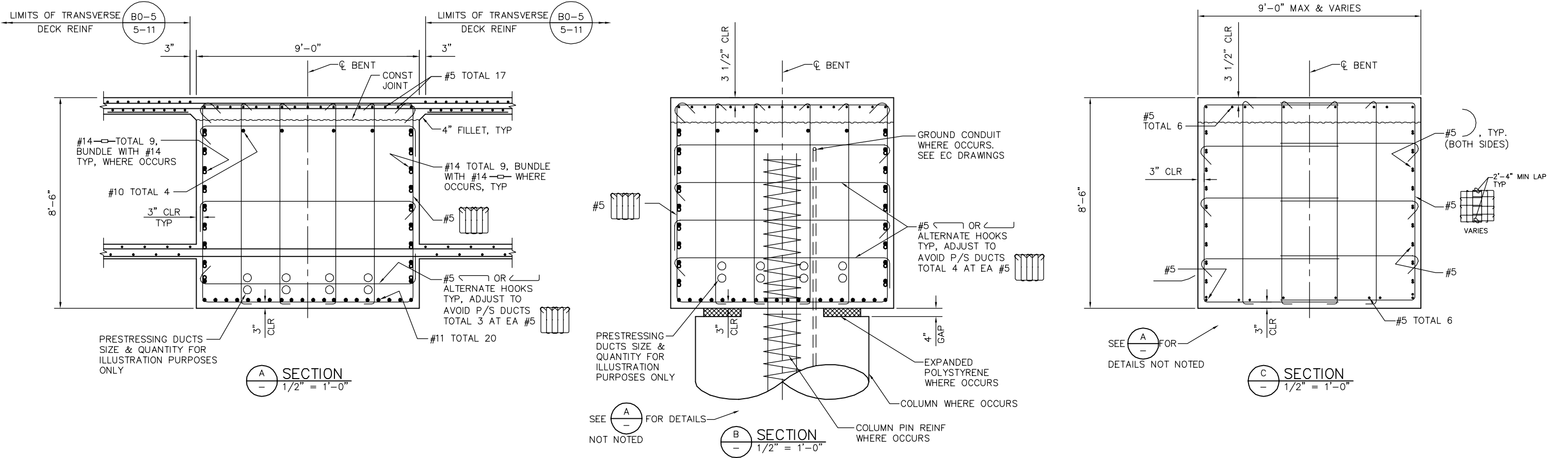
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: $1/4" = 1'-0"$
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 4

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

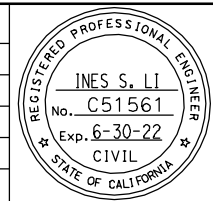
SHEET OF	SC309
DRAWING NO.	SC309
REVISION	B



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:01am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SC310.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
A. ROSALES

CADD FILENAME
801SC310.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
1/2" = 1'-0"

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

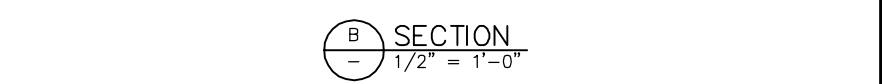
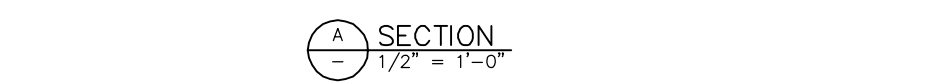
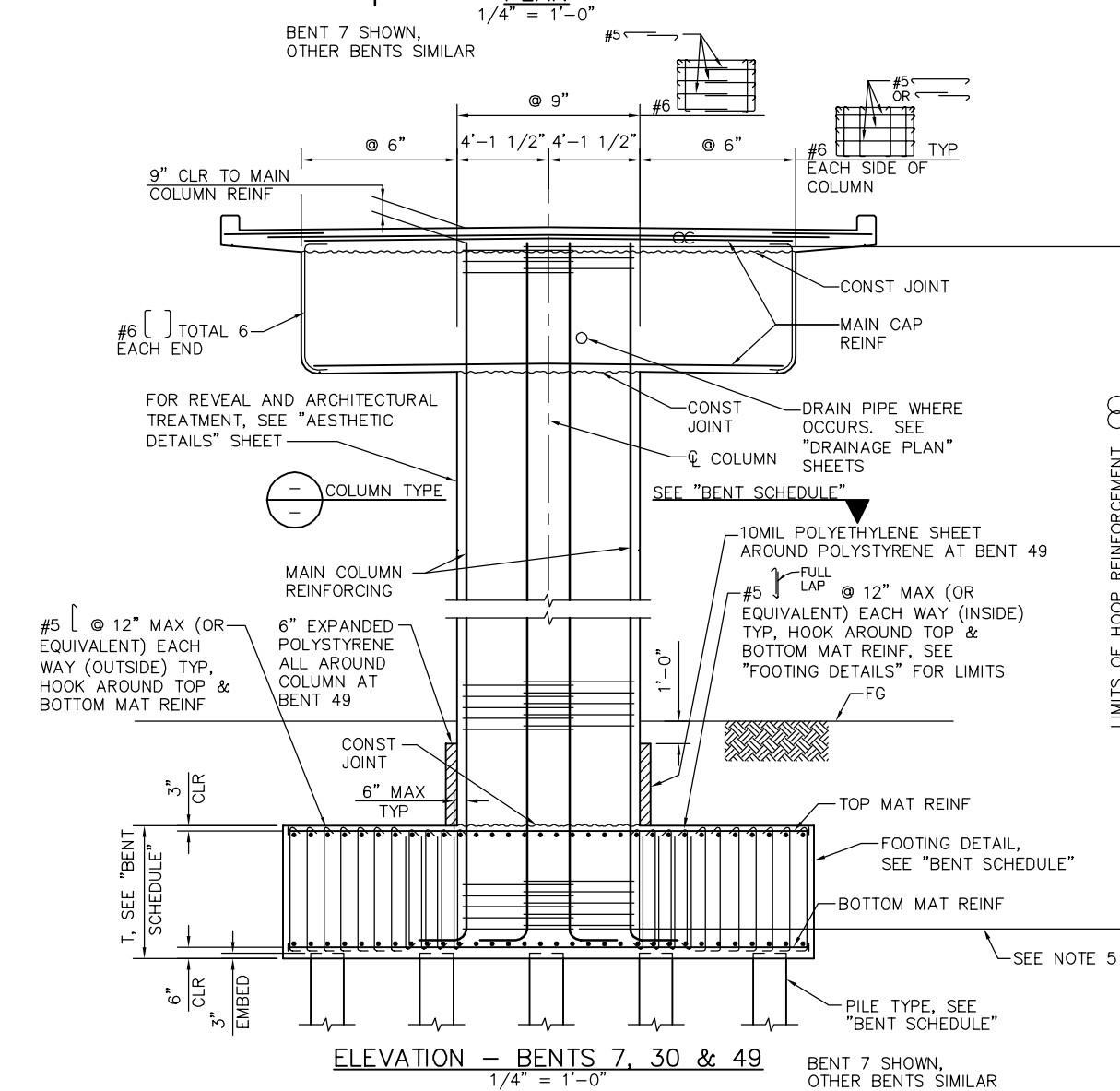
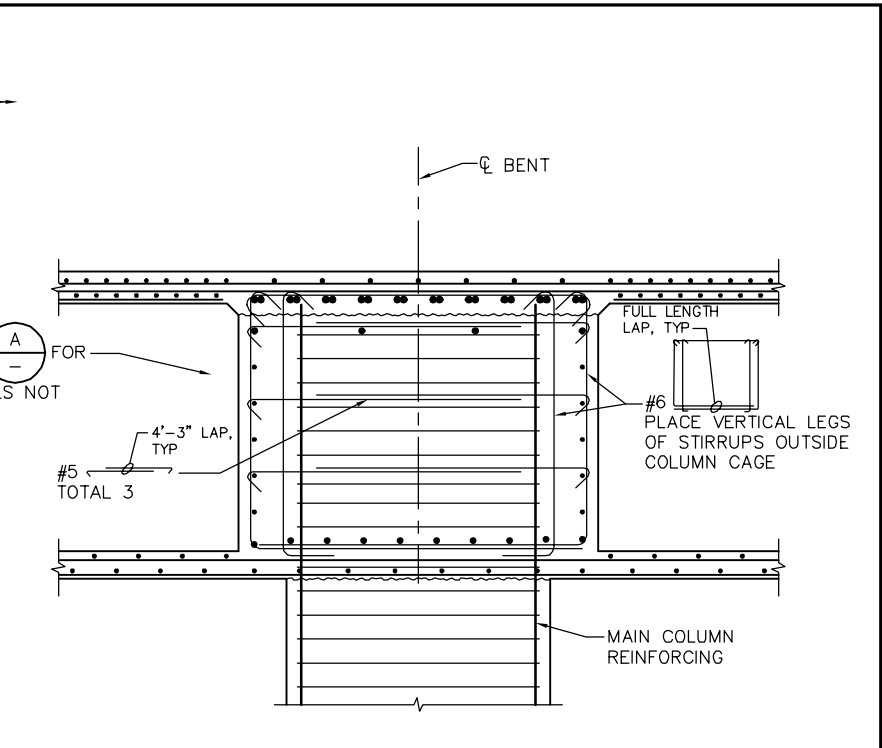
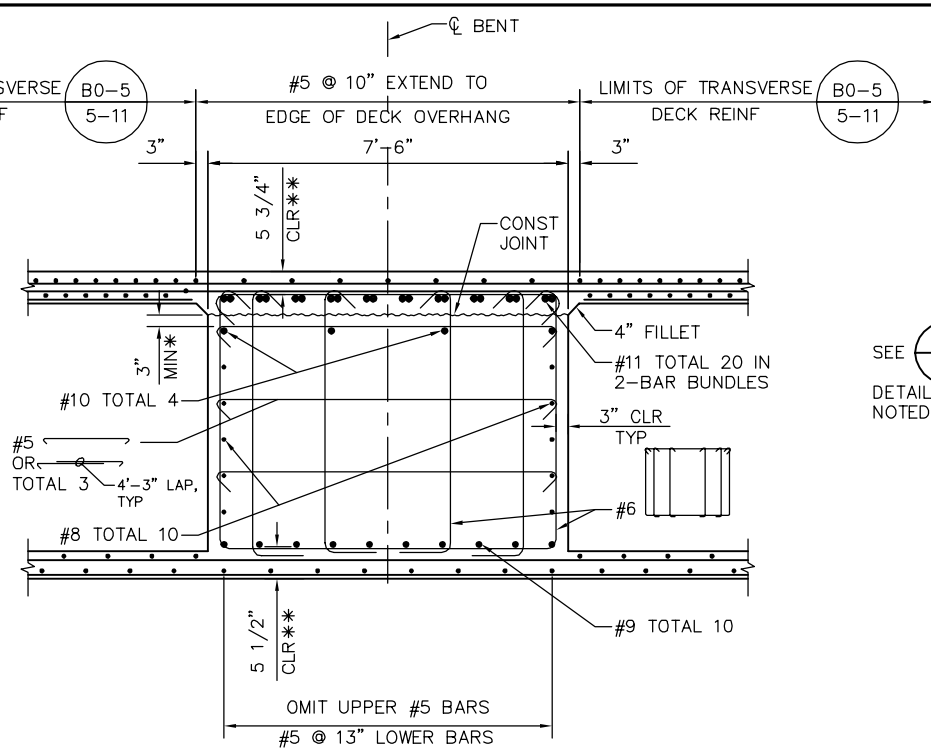
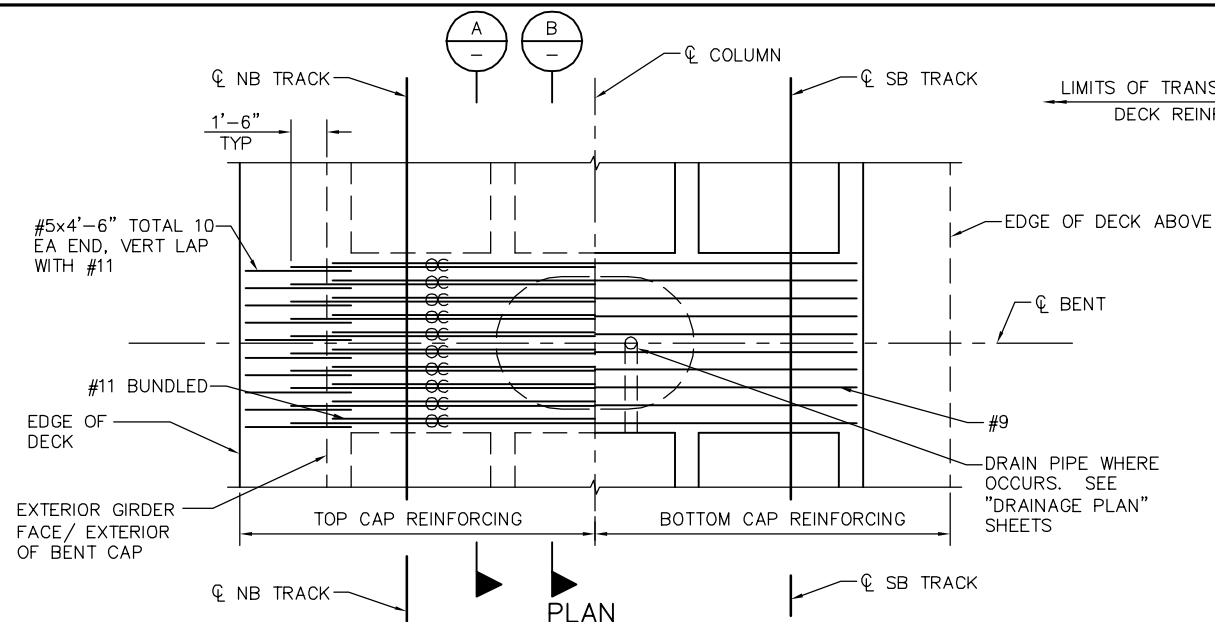
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 5

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SC310
REVISION	B



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

LEGEND
 ○ ○ INDICATES BUNDLED BARS

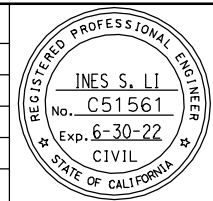
- NOTES:
- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 - ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 - FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 - NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 - POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 - CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
7	B SC339	5'-6" x 9'-0"	#7 @ 6"	6'-0"	A SC335	1 SD314
30	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	1 SD314
49	A SC339	5'-6" x 9'-0"	#7 @ 6"	6'-0"	B SC332	2 SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:01am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SC311.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC311.dwg

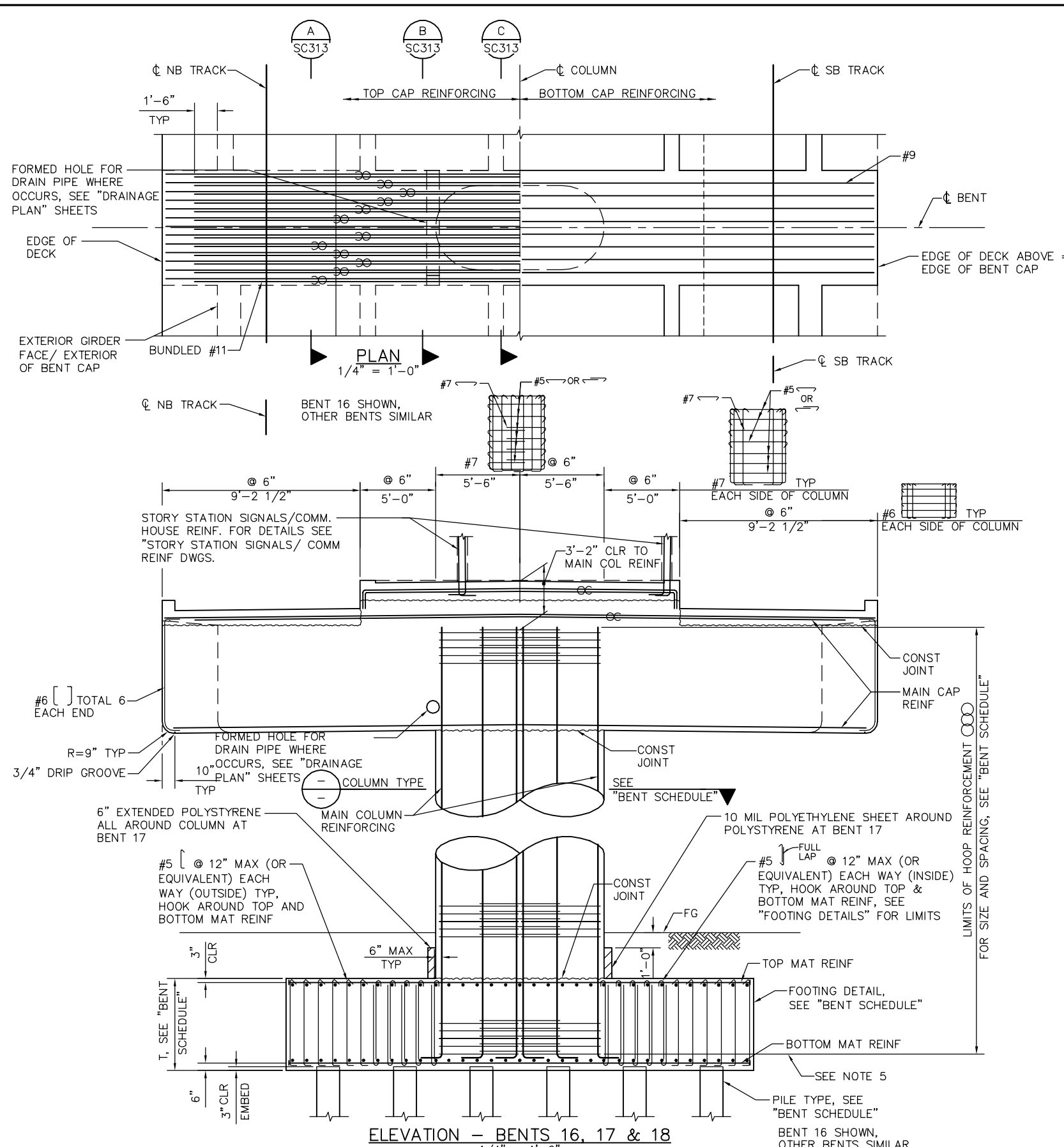
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 6

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF SC311 REVISION B



- LEGEND**
 INDICATES BUNDLED BARS
- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
16	SC339	5'-6" x 11'-0"	#6 @ 6"	6'-0"	SC335	SD314
17	SC339	5'-6" x 11'-0"	#7 @ 4"	8'-0"	SC336	SD314
18	SC339	5'-6" x 11'-0"	#7 @ 4"	8'-0"	SC336	SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:01am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SC312.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET

REGISTERED PROFESSIONAL ENGINEER
INES S. LI
 No. C51561
 Exp. 6-30-22
 CIVIL
 STATE OF CALIFORNIA

SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
A. ROSALES

CADD FILENAME
801SC312.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
1/4" = 1'-0"

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

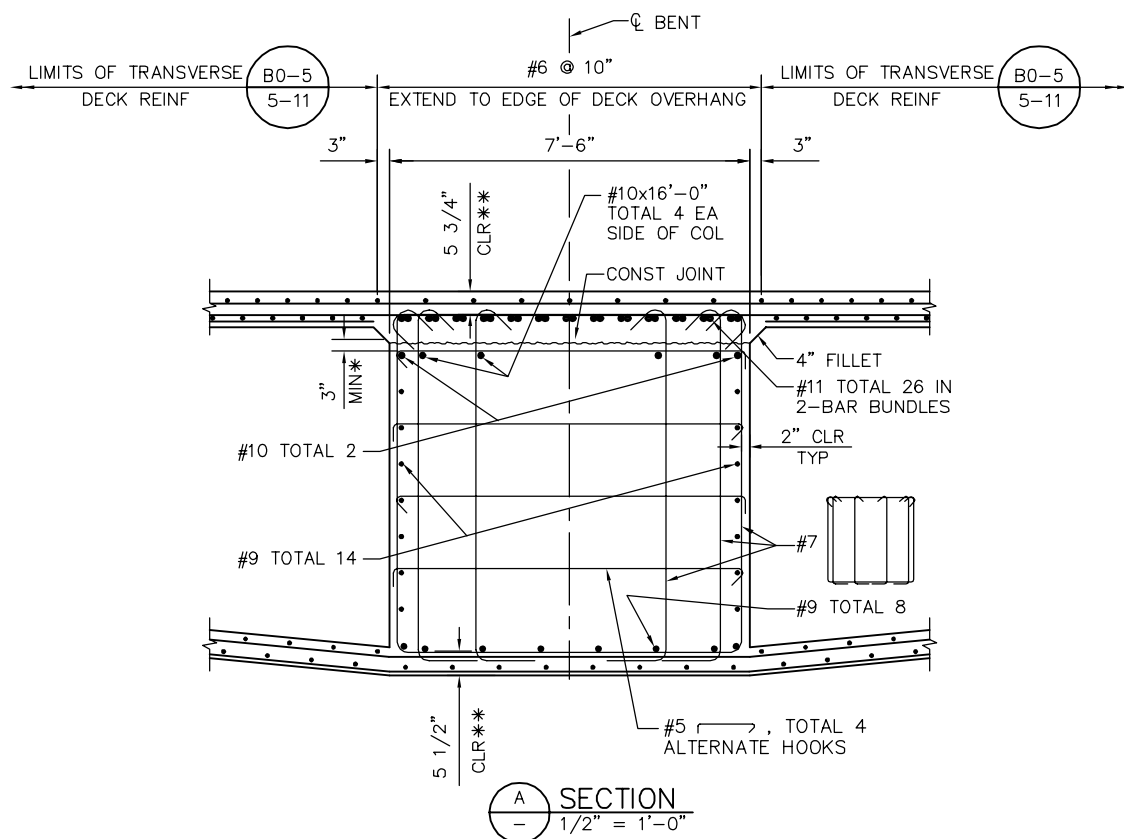
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 7

PCA NO. **000**

CONTRACT NO. **C801**

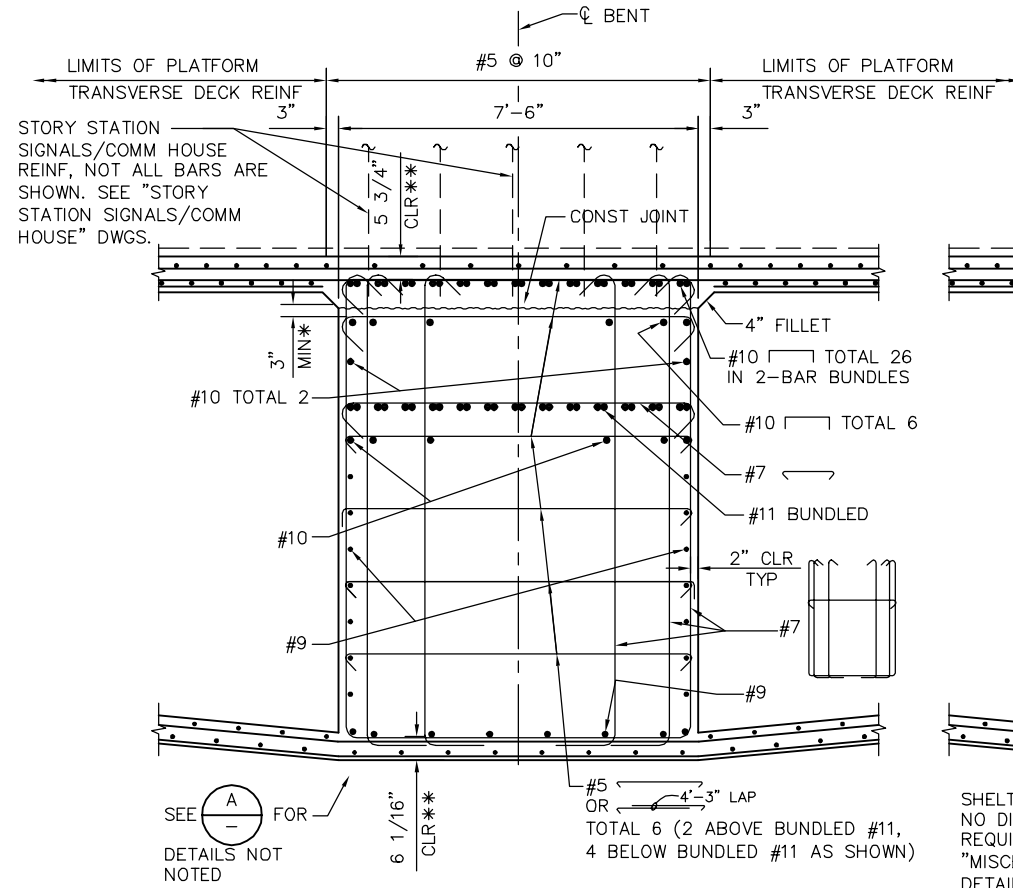
FILE LOCATION
PROJECTWISE

SHEET	OF
DRAWING NO. SC312	REVISION B



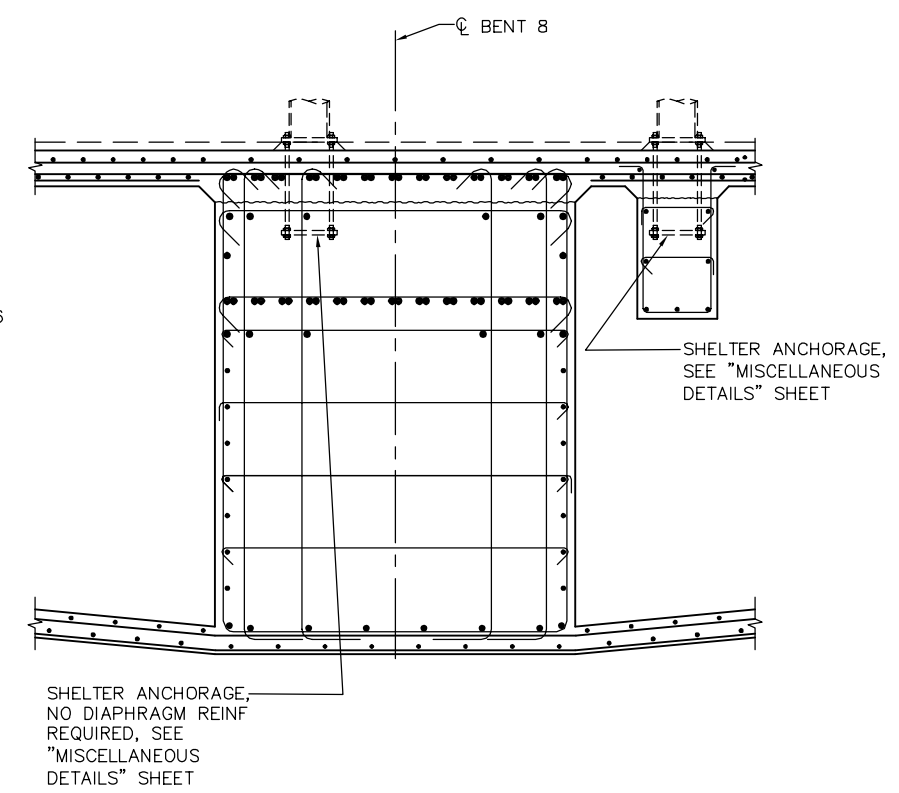
SECTION A
1/2" = 1'-0"

* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT



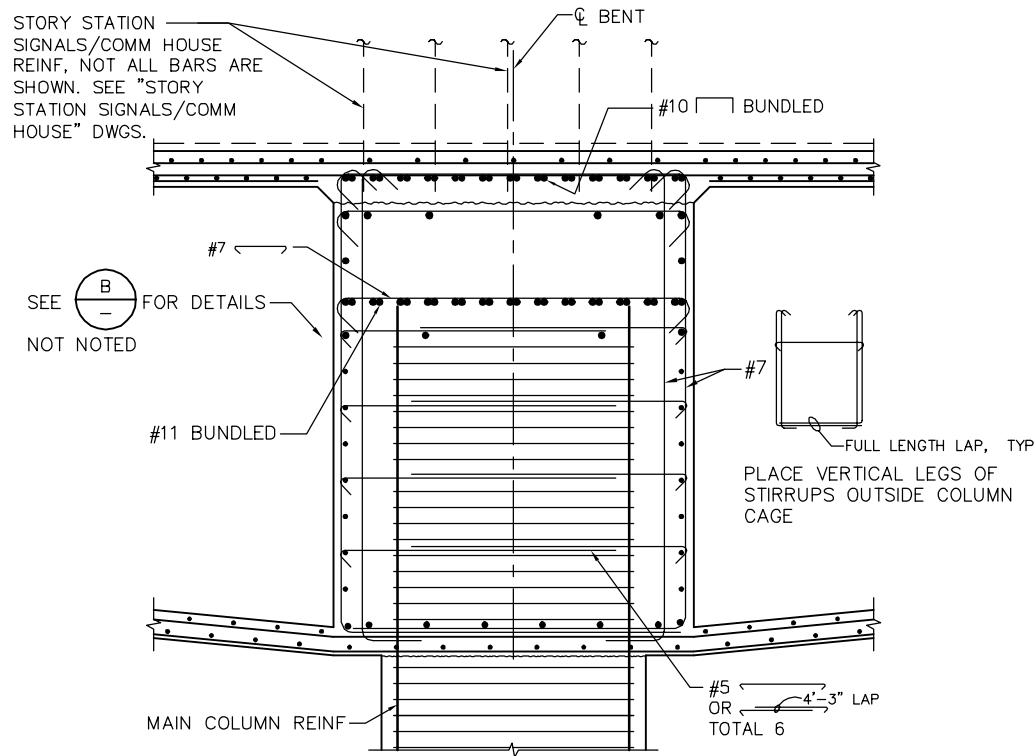
SECTION B
1/2" = 1'-0"

* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT



SECTION C
1/2" = 1'-0"

* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT



SECTION D
1/2" = 1'-0"

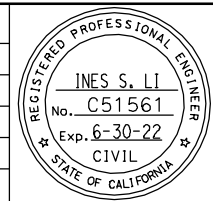
* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

PLACE VERTICAL LEGS OF STIRRUPS OUTSIDE COLUMN CAGE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:02am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC313.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED
 D. CHAN

CHECKED
 D. DEVLIN

DRAWN
 S. HICKEY

CADD FILENAME
 801SC3132.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 05/18/20

SCALE
 1/2" = 1'-0"

SUBMITTAL DATE
 06/29/20

BOARD APPROVAL DATE

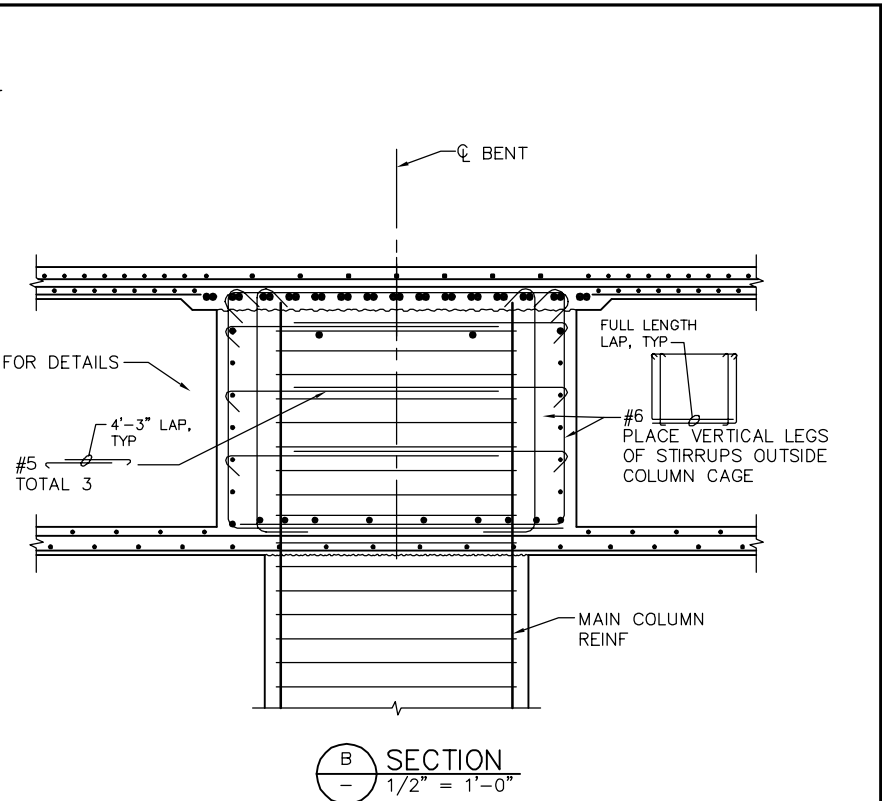
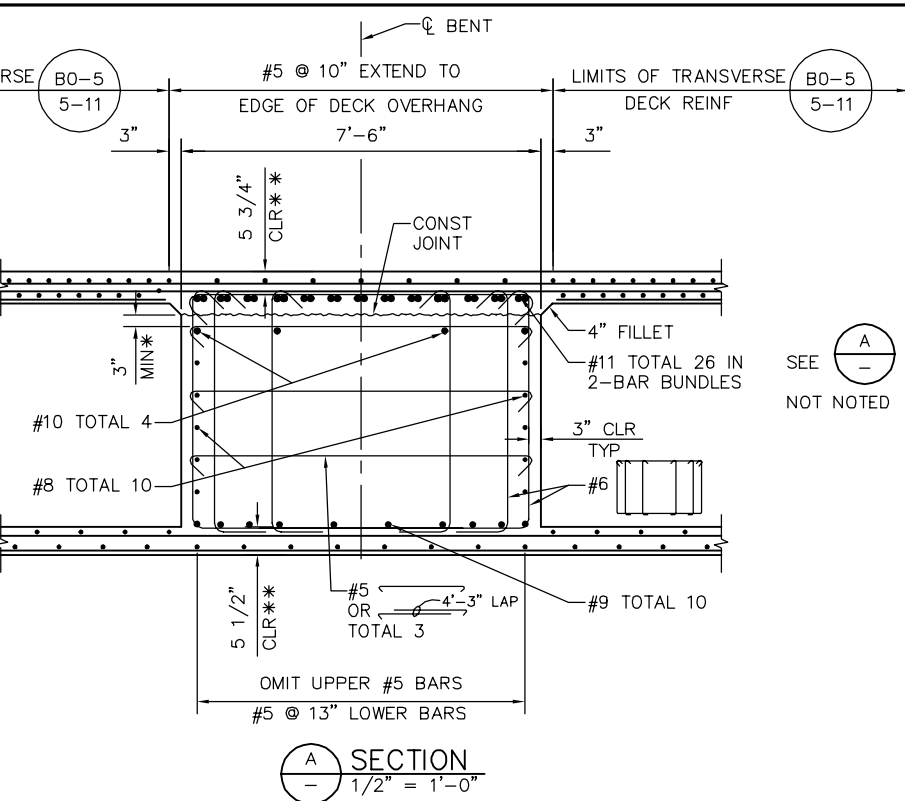
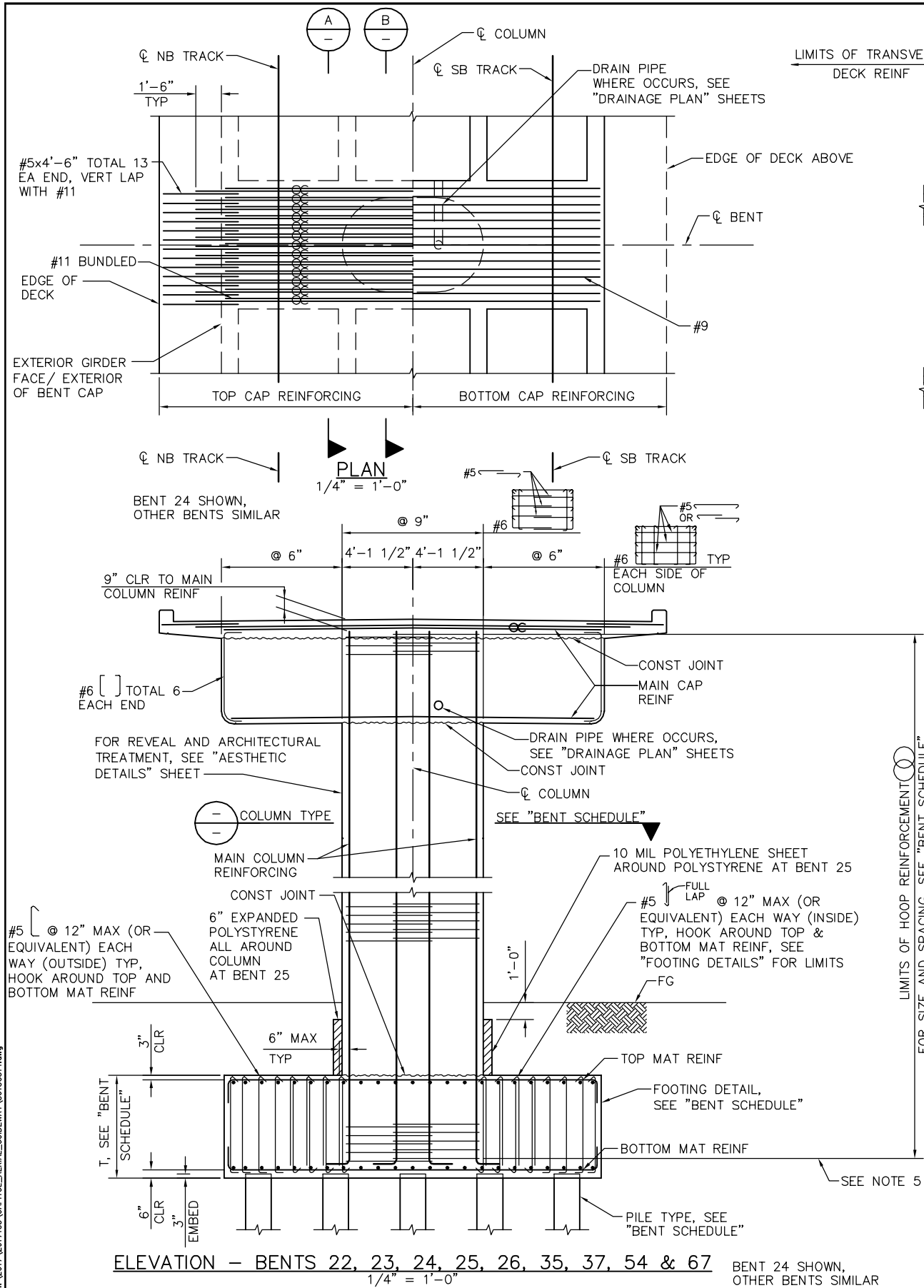
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 8

PCA NO.
 000

CONTRACT NO.
 C801

FILE LOCATION
 PROJECTWISE

SHEET OF	DRAWING NO.
	SC313
REVISION	B



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

LEGEND
 ○ ○ INDICATES BUNDLED BARS

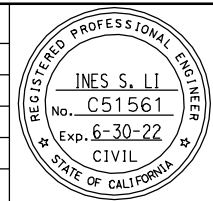
- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
22	(B) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(B) SC335	(1) SD314
23	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314
24	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314
25	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314
26	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314
35, 37	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314
54	(C) SC338	5'-6" x 8'-3"	#7 @ 5"	6'-6"	(C) SC333	(2) SD314
67	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(F) SC335	(1) SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:02am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC314.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

BCA

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC314.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

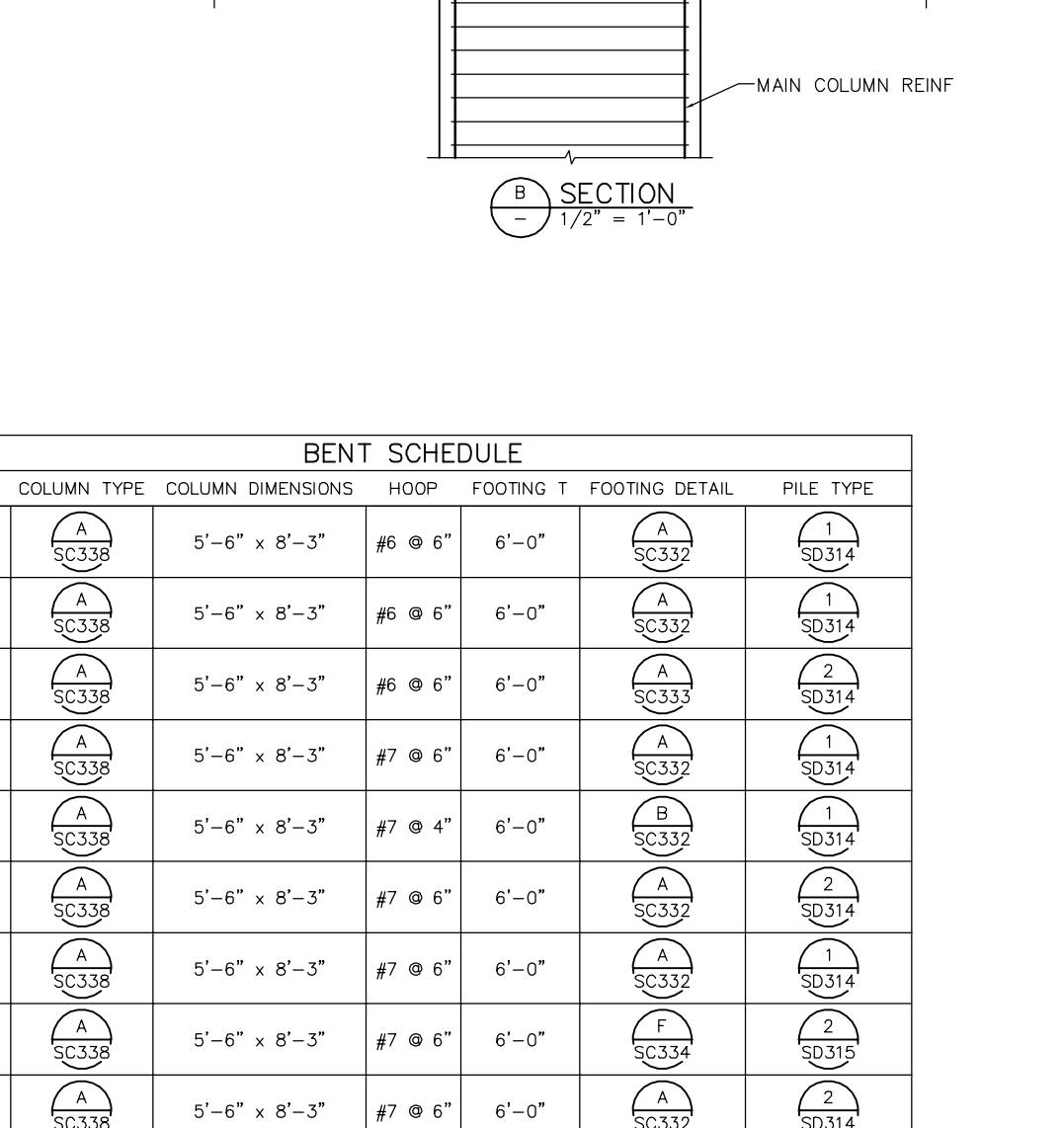
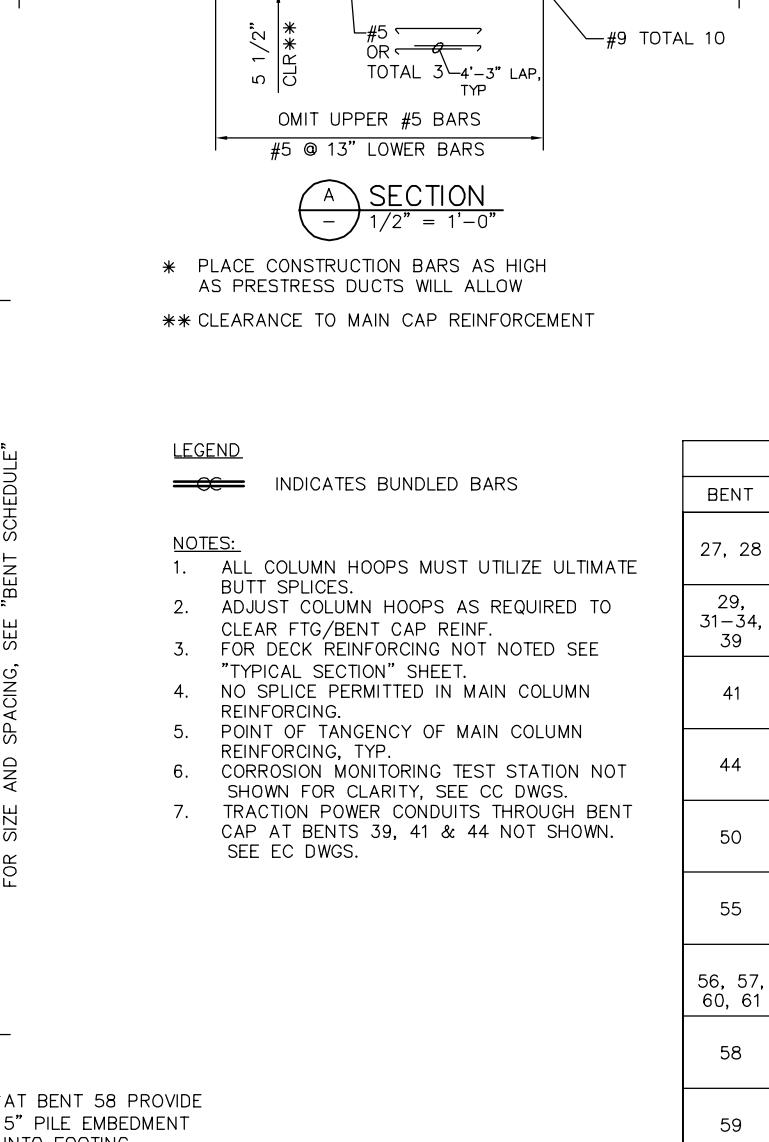
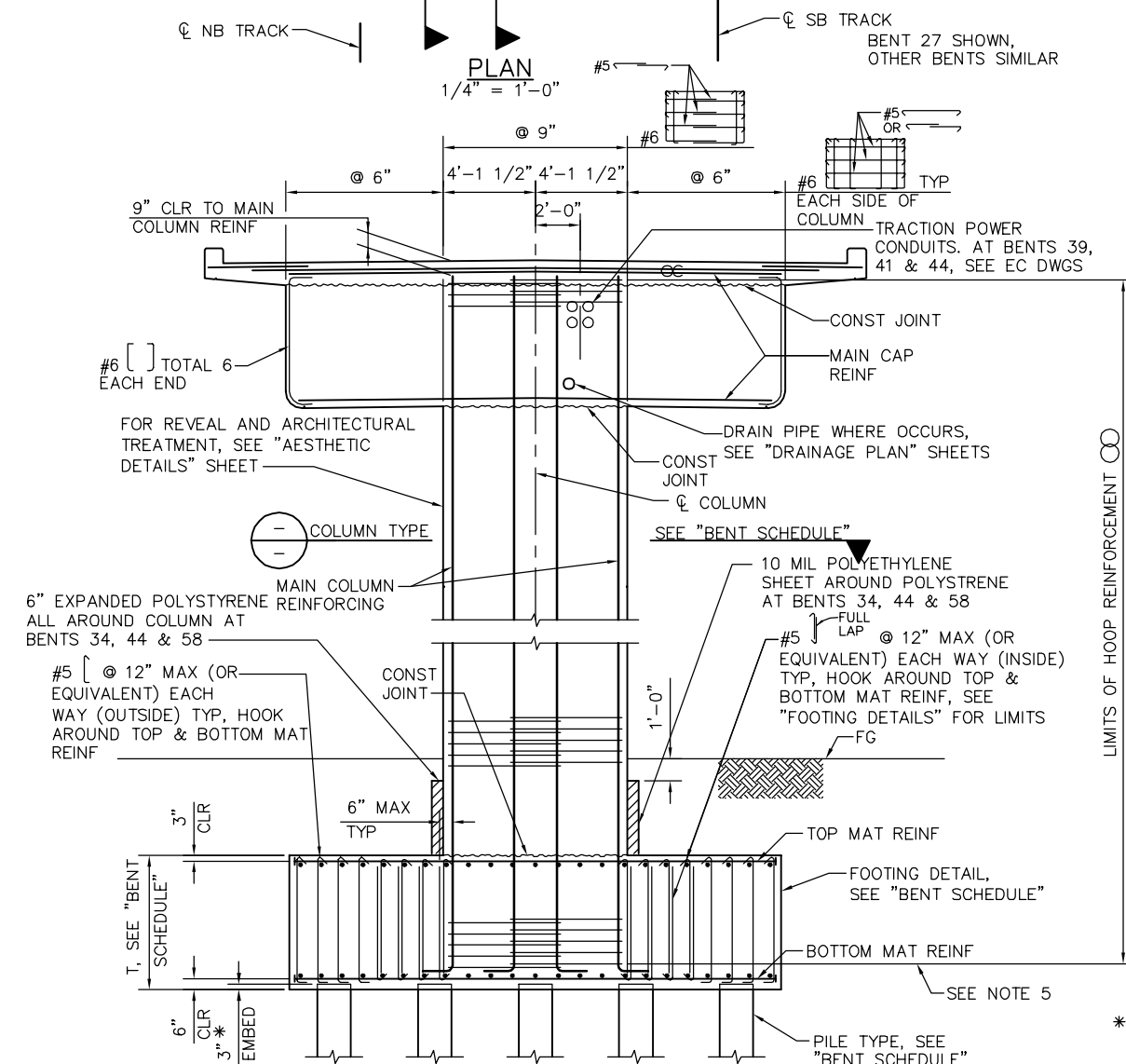
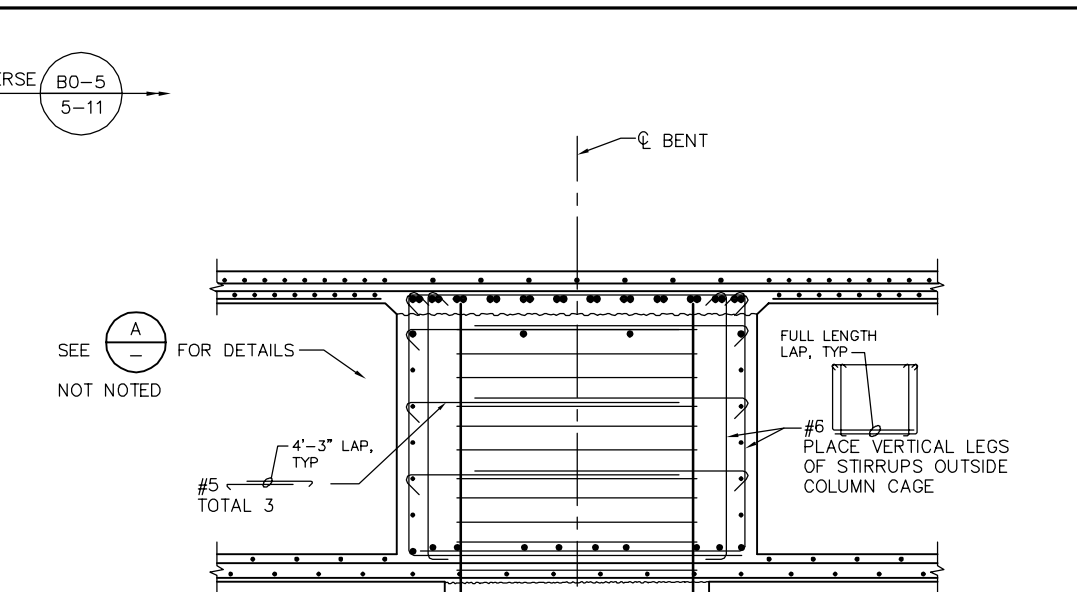
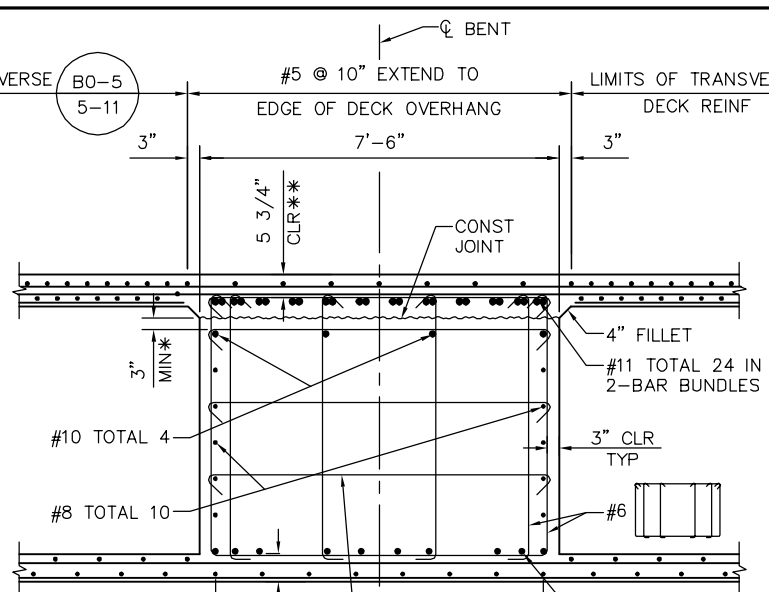
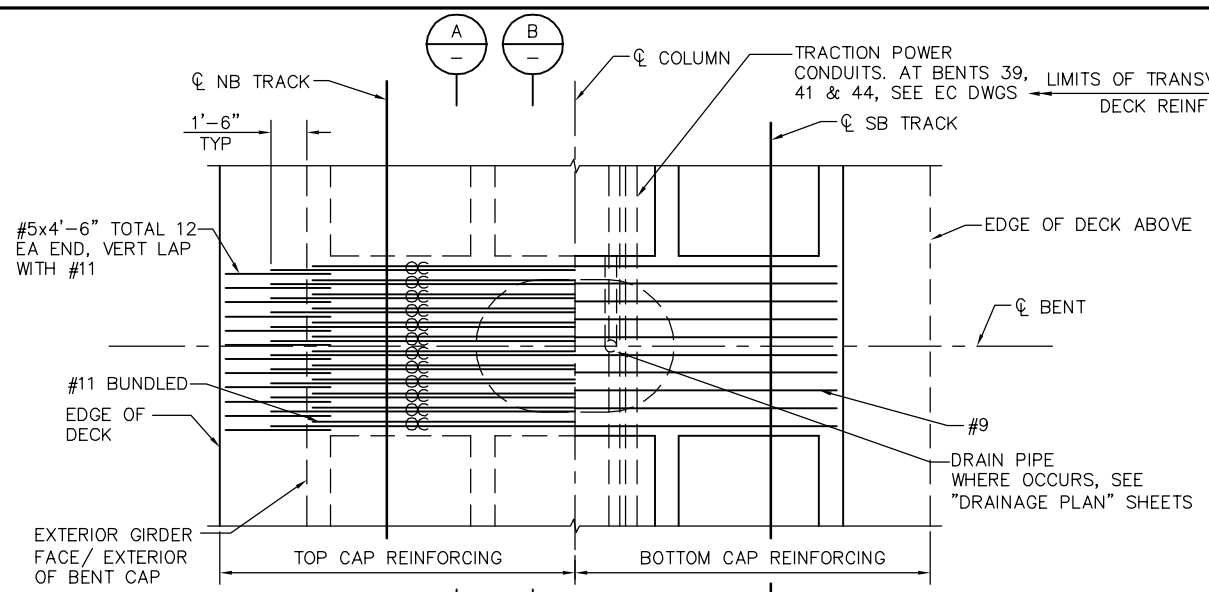
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY BENT DETAILS No. 9

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF: SC314
 DRAWING NO.: SC314
 REVISION: B



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

LEGEND
 ○ ○ INDICATES BUNDLED BARS

- NOTES:**
- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 - ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 - FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 - NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 - POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 - CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.
 - TRACTION POWER CONDUITS THROUGH BENT CAP AT BENTS 39, 41 & 44 NOT SHOWN. SEE EC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
27, 28	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314
29, 31-34, 39	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314
41	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC333	(2) SD314
44	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(A) SC332	(1) SD314
50	(A) SC338	5'-6" x 8'-3"	#7 @ 4"	6'-0"	(B) SC332	(1) SD314
55	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(A) SC332	(2) SD314
56, 57, 60, 61	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(A) SC332	(1) SD314
58	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(F) SC334	(2) SD315
59	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(A) SC332	(2) SD314

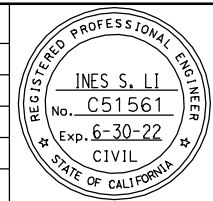
ELEVATION - BENTS 27, 28, 29, 31 THRU 34, 39, 41, 44, 50 & 55 THRU 61
 1/4" = 1'-0"

BENT 27 SHOWN, OTHER BENTS SIMILAR

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:02am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC315.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC315.dwg

BCA

Santa Clara Valley Transportation Authority

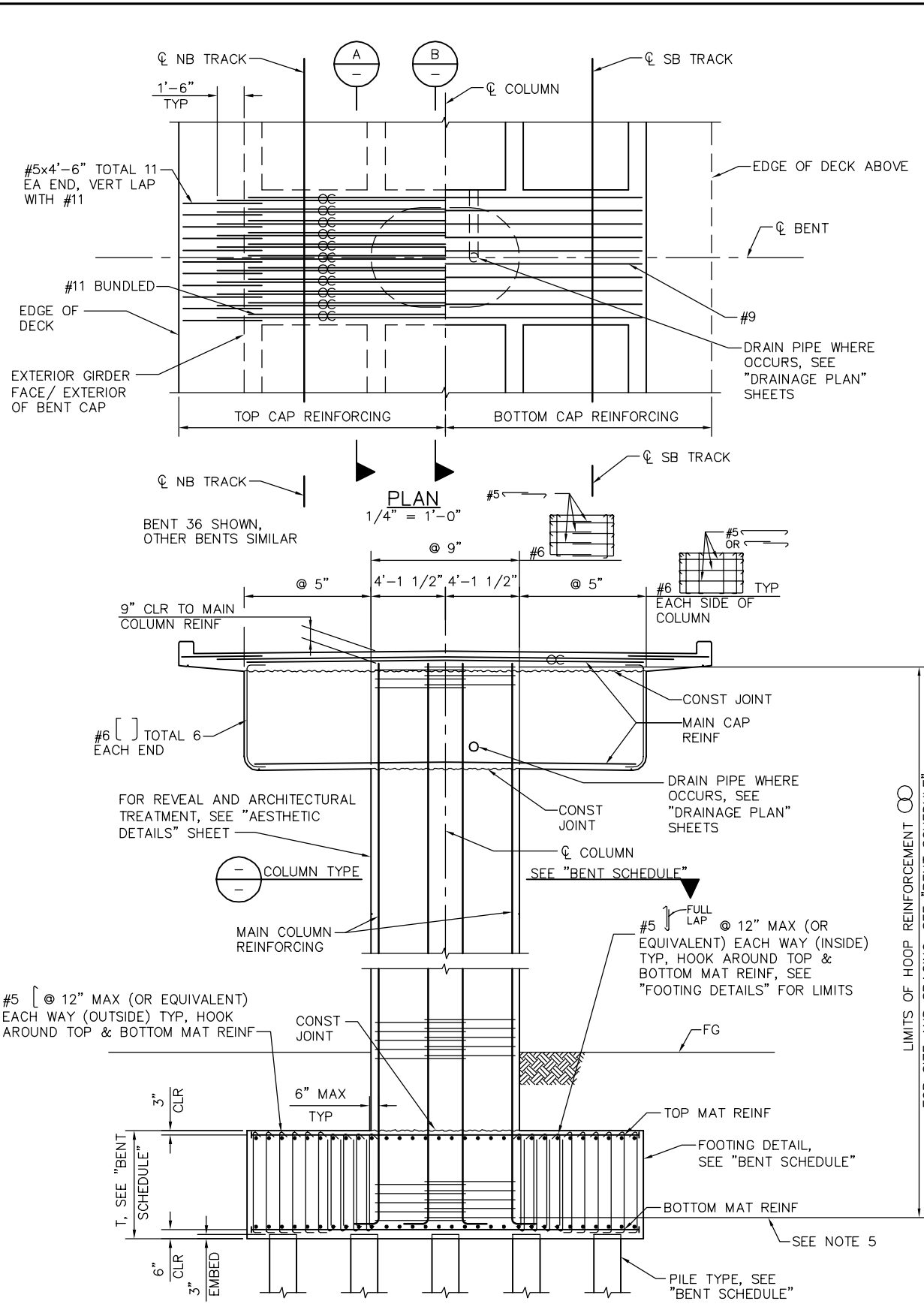
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

APPROVED
 CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

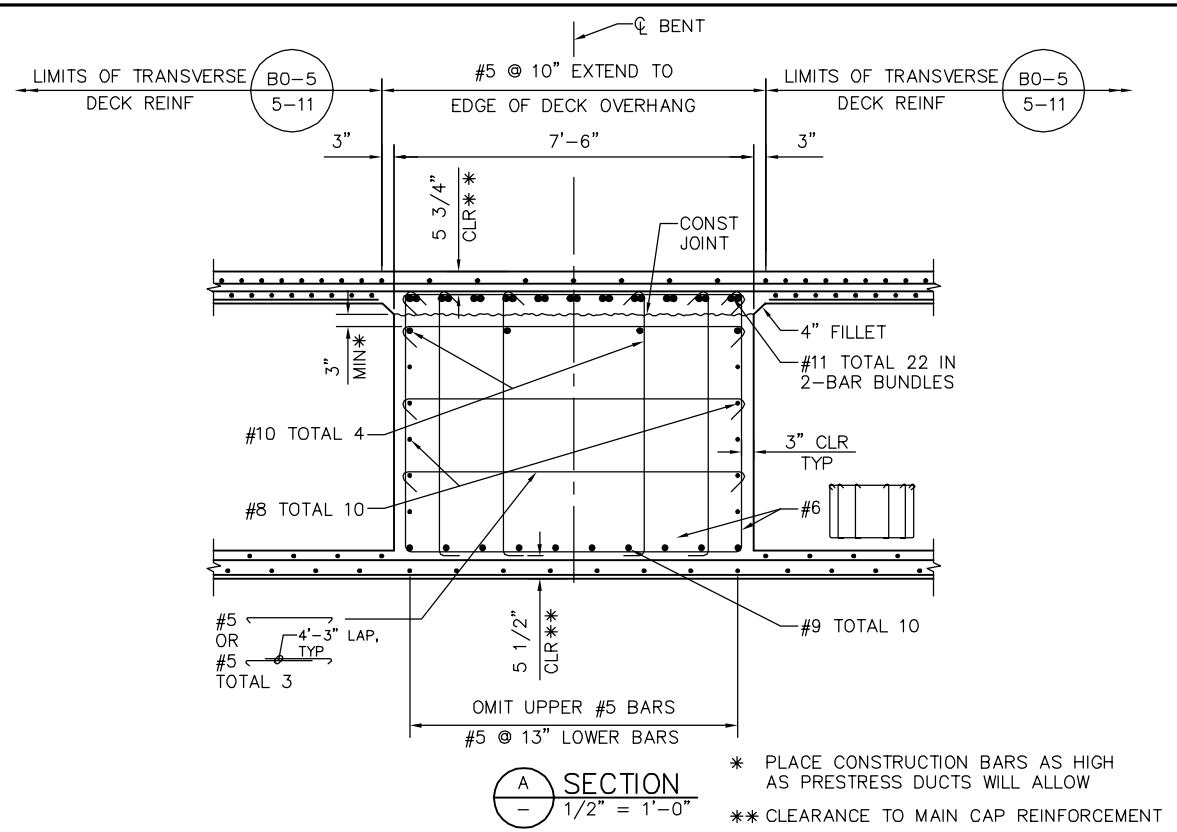
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 10

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

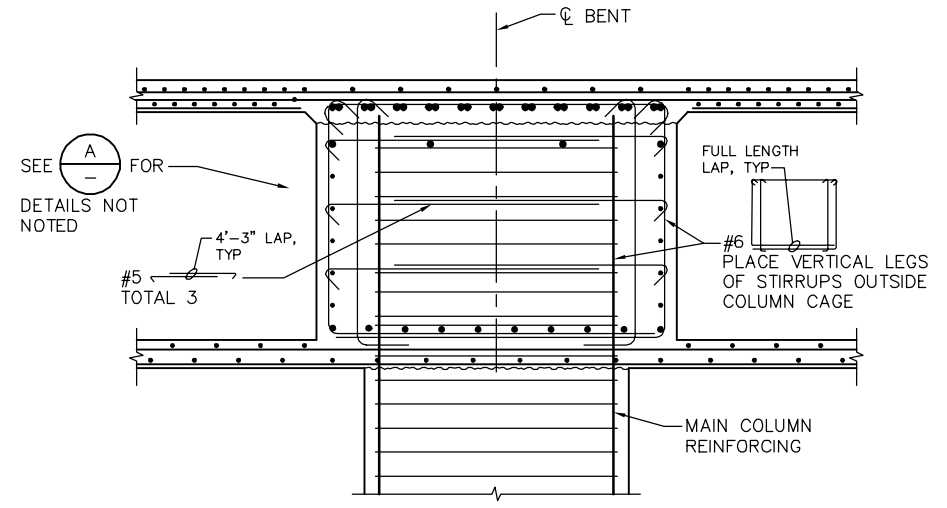
SHEET OF DRAWING NO. SC315 REVISION B



ELEVATION - BENTS 36, 38 & 62
1/4" = 1'-0"



SECTION A
1/2" = 1'-0"



SECTION B
1/2" = 1'-0"

LEGEND

⊗ INDICATES BUNDLED BARS

NOTES:

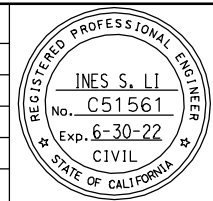
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
36	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	1 SD314
38	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	1 SD314
62	A SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	A SC332	2 SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:03am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC316.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: A. ROSALES
CADD FILENAME: 801SC316.dwg



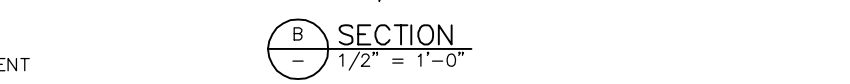
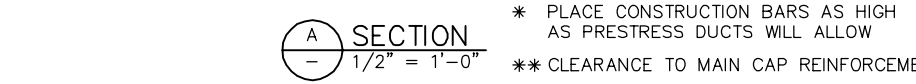
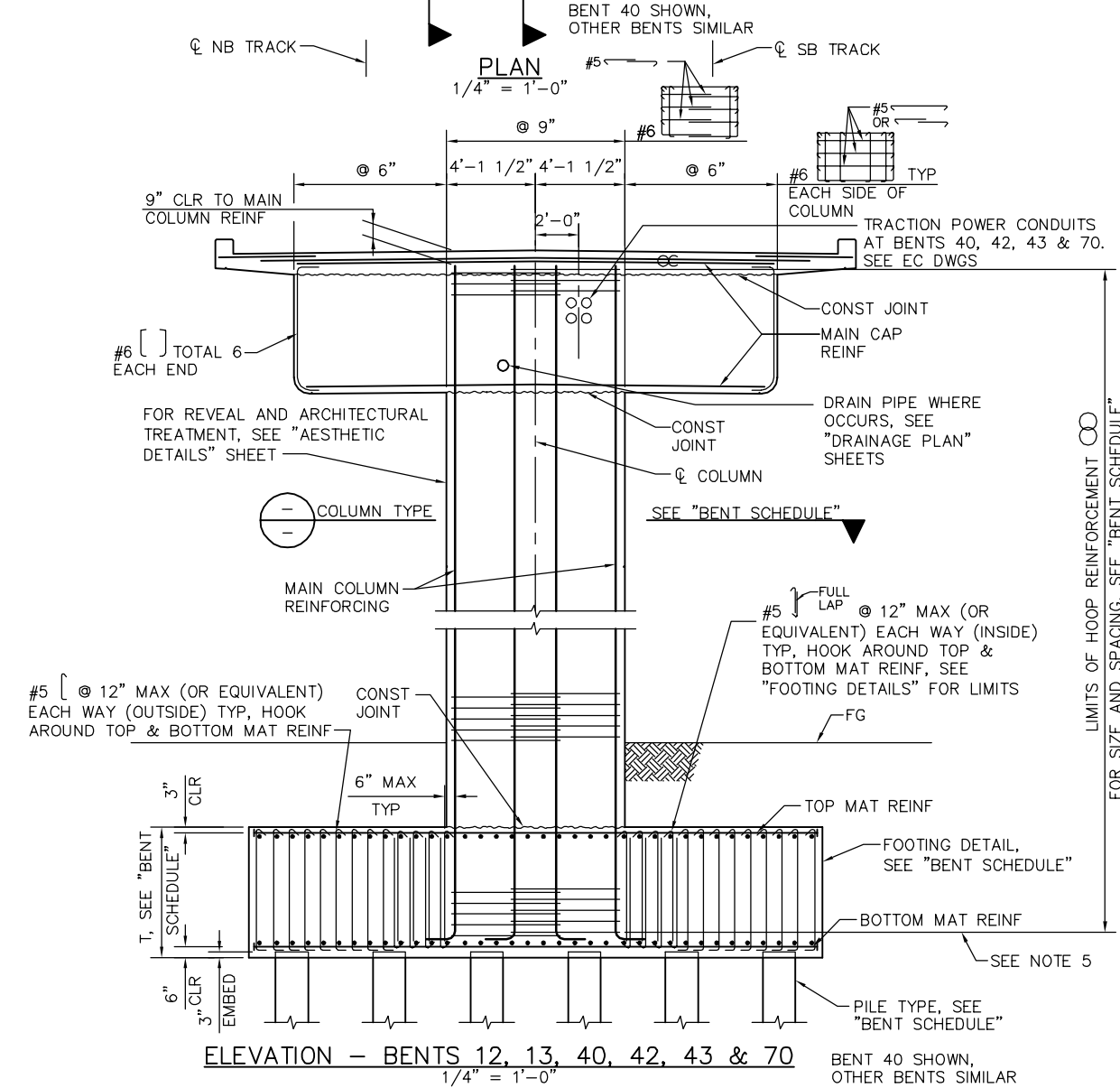
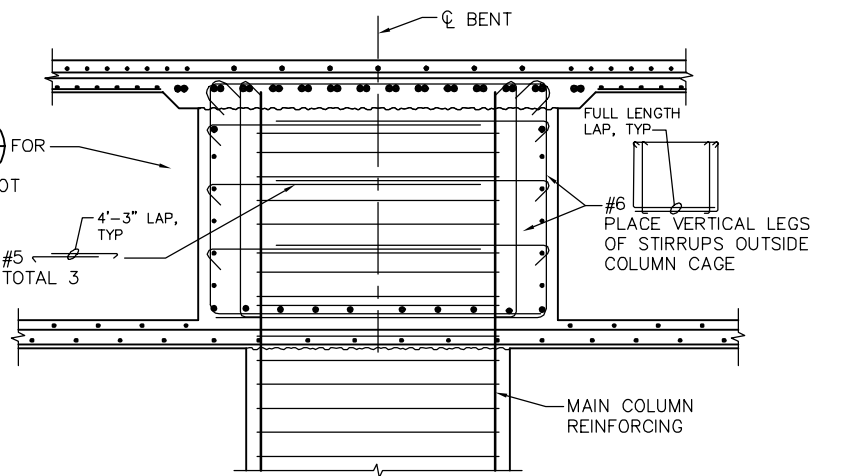
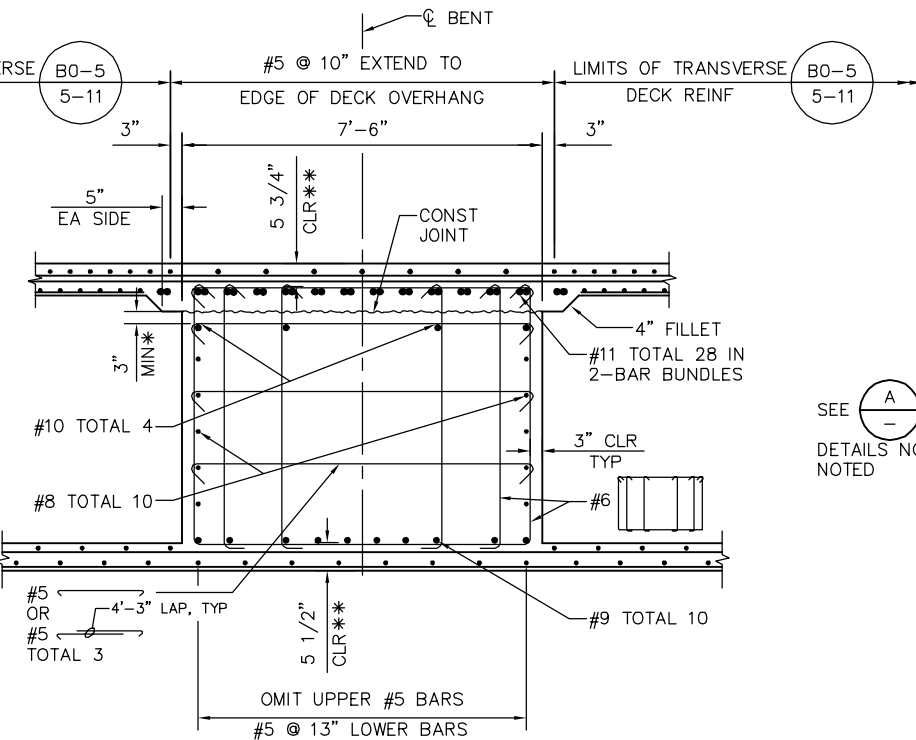
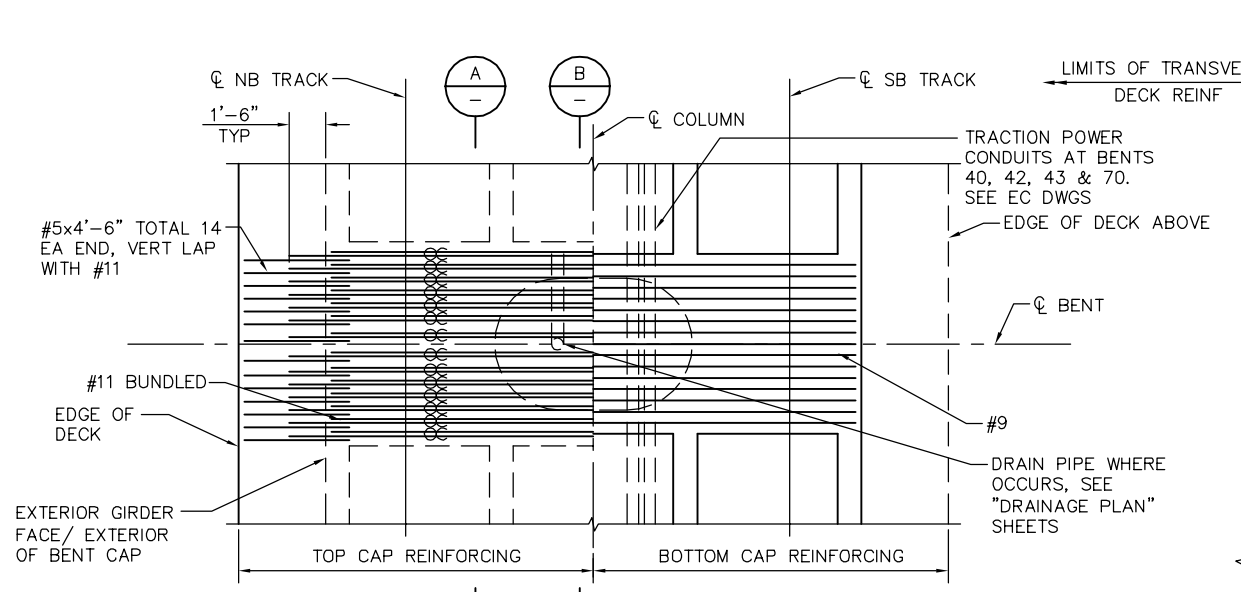
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 11

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC316
REVISION	B



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

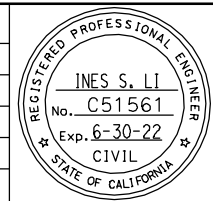
BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
12	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(B) SC335	(1) SD314
13	(A) SC338	5'-6" x 8'-3"	#7 @ 4"	6'-0"	(F) SC335	(1) SD314
40	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC333	(2) SD314
42	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC333	(2) SD314
43	(A) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	(C) SC334	(2) SD314
70	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314

- LEGEND**
 INDICATES BUNDLED BARS
- NOTES:**
 1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.
 7. TRACTION POWER CONDUITS THROUGH BENT CAP AT BENTS 40, 42, 43 & 70. SEE EC DWGS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:03am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\0317.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED
 D. CHAN

CHECKED
 D. DEVLIN

DRAWN
 A. ROSALES

CADD FILENAME
 801SC317.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 05/18/20

SCALE
 AS SHOWN

SUBMITTAL DATE
 06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 12

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

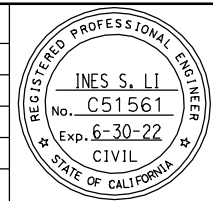
SHEET	OF
DRAWING NO. SC317	REVISION B

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PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS

865 The Alameda
 San Jose, California 95128
 408-296-5315

BCA

DESIGNED: **D. CHAN** CHECKED: **D. DEVLIN**
 DRAWN: **A. ROSALES** CADD FILENAME: **801SC318.dwg**



APPROVED

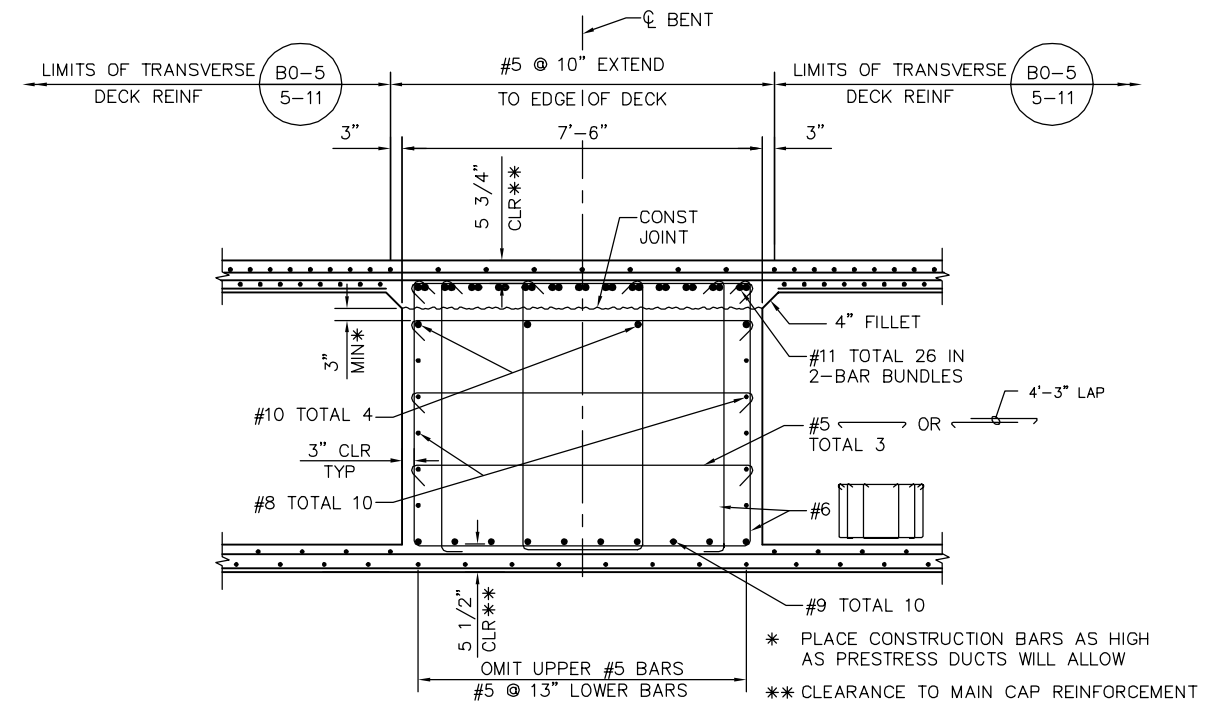
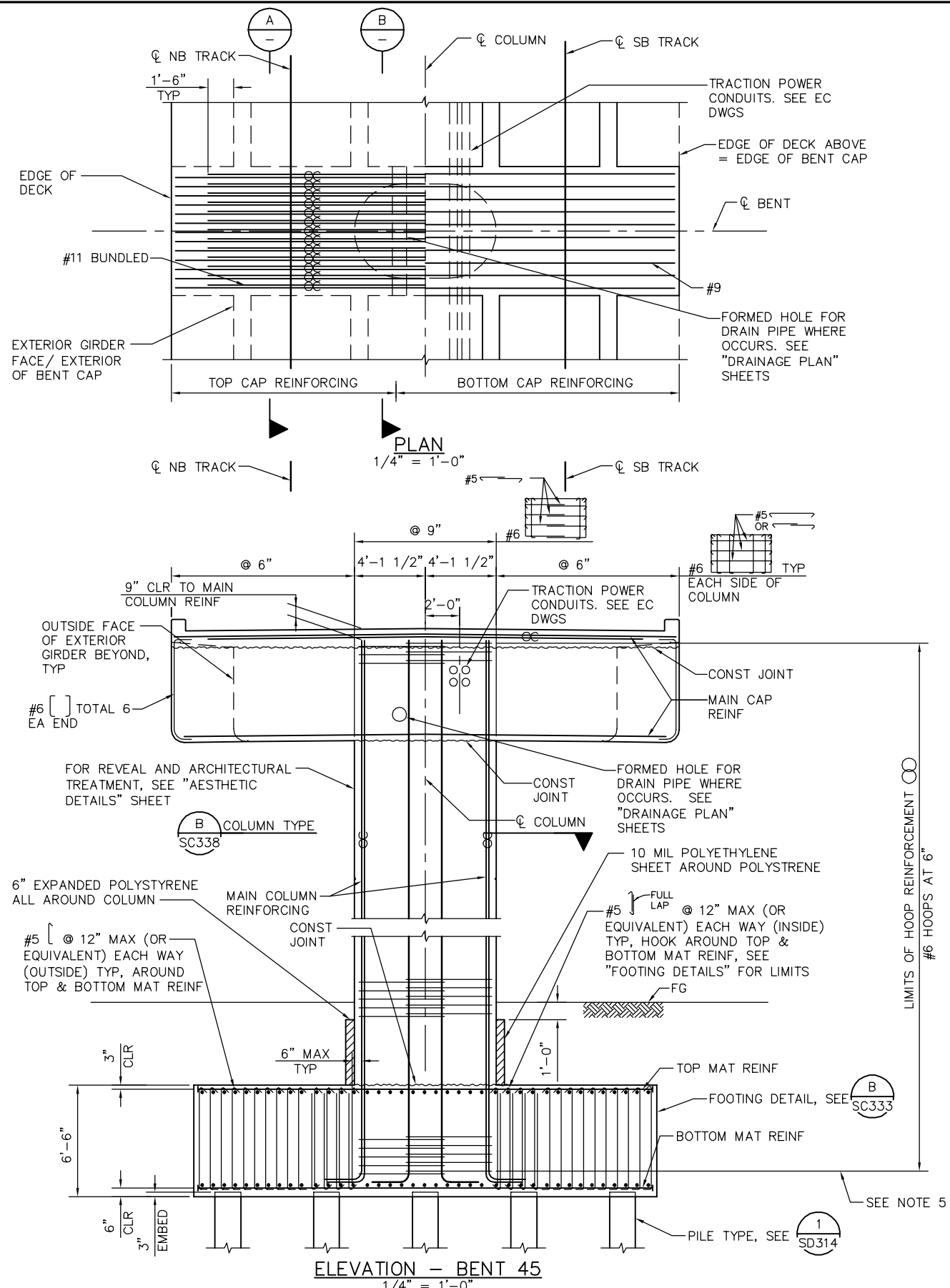
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: **05/18/20** SCALE: **AS SHOWN**
 SUBMITTAL DATE: **06/29/20** BOARD APPROVAL DATE:

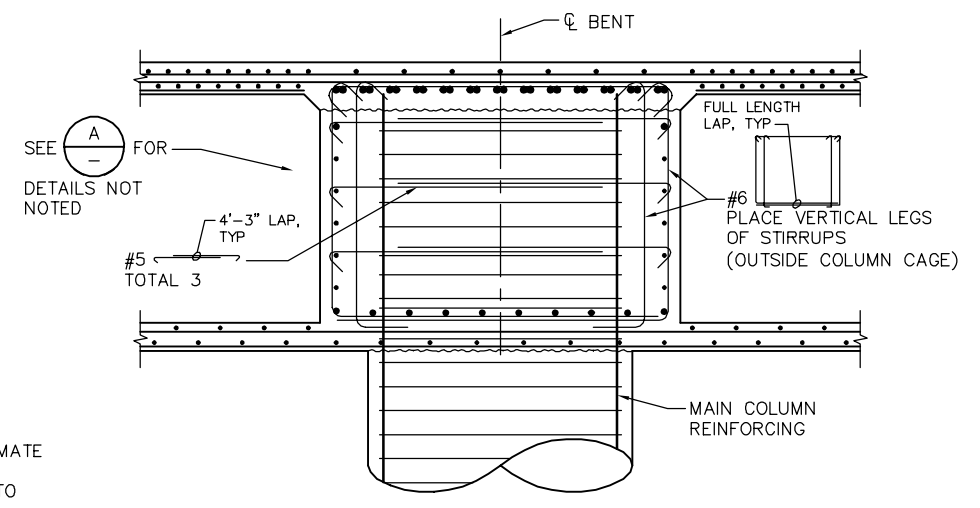
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 13

PCA NO. **000** CONTRACT NO. **C801** FILE LOCATION: **PROJECTWISE**

SHEET OF	SC318
REVISION	B



SECTION A
1/2" = 1'-0"



SECTION B
1/2" = 1'-0"

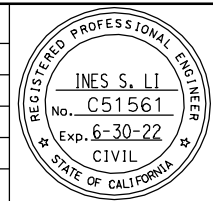
LEGEND
 INDICATES BUNDLED BARS

- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:04am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC319.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC319.dwg



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

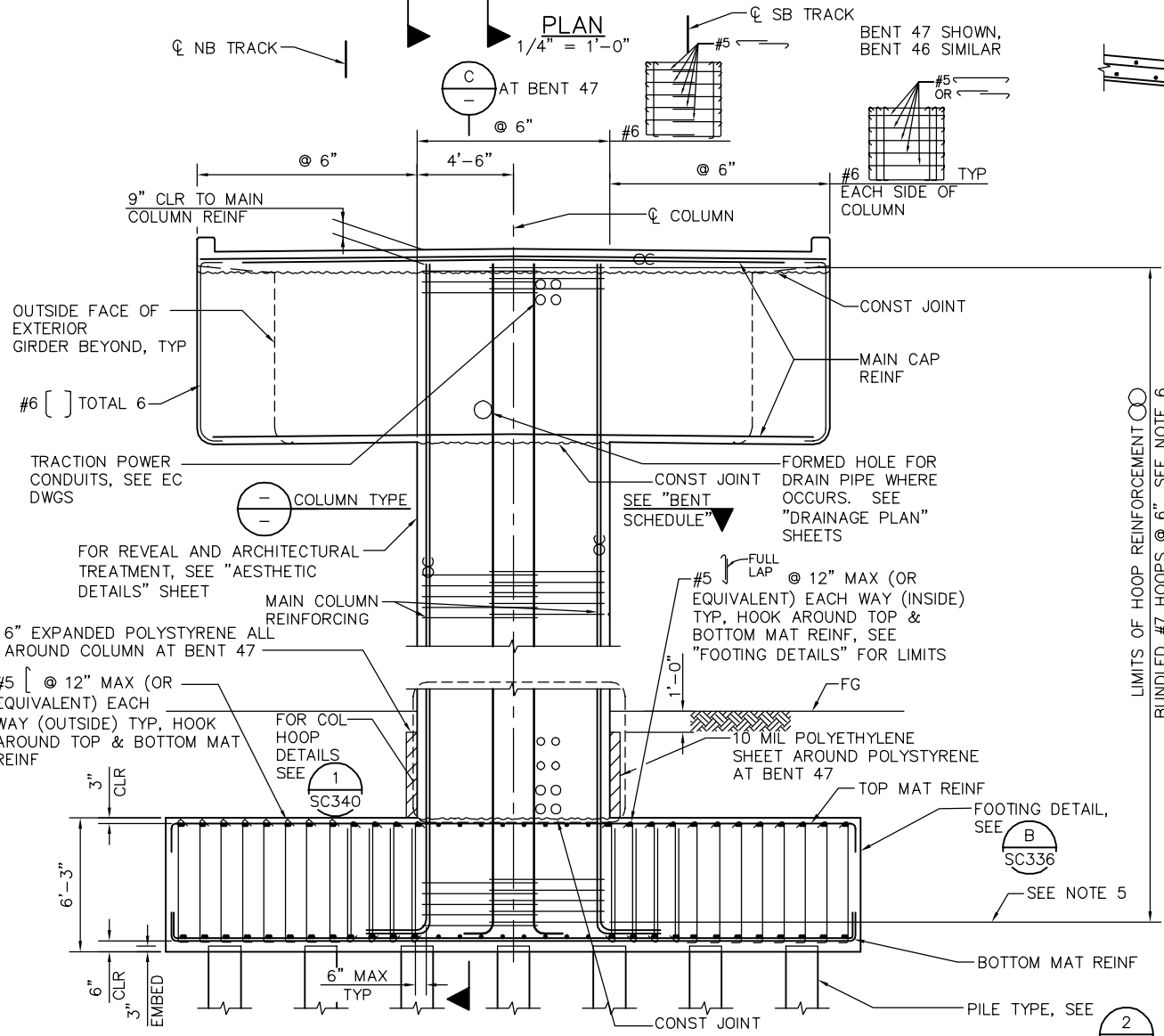
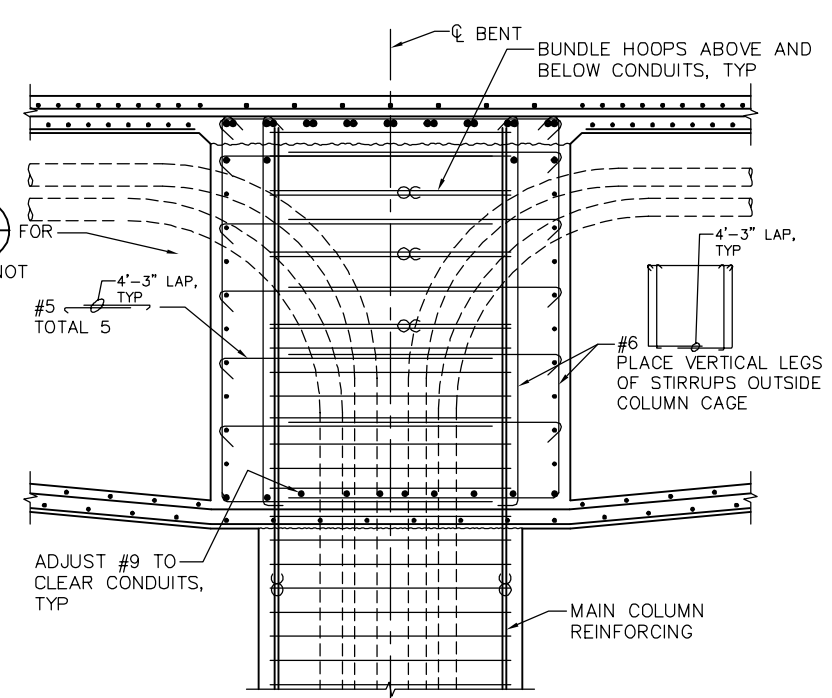
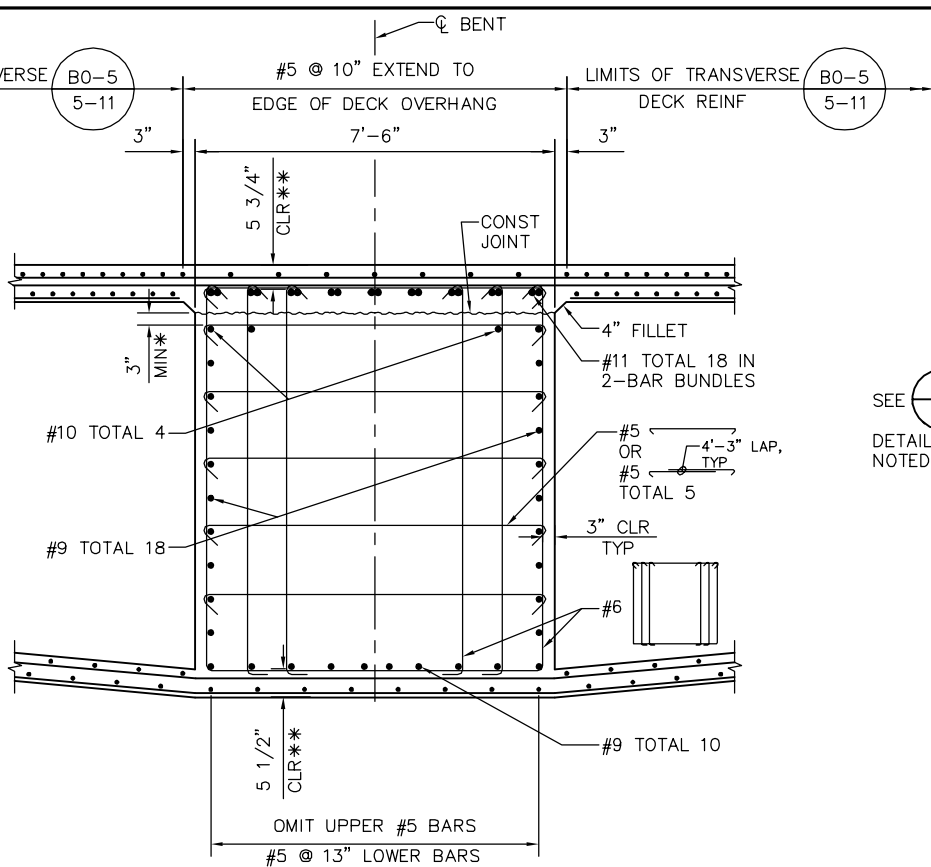
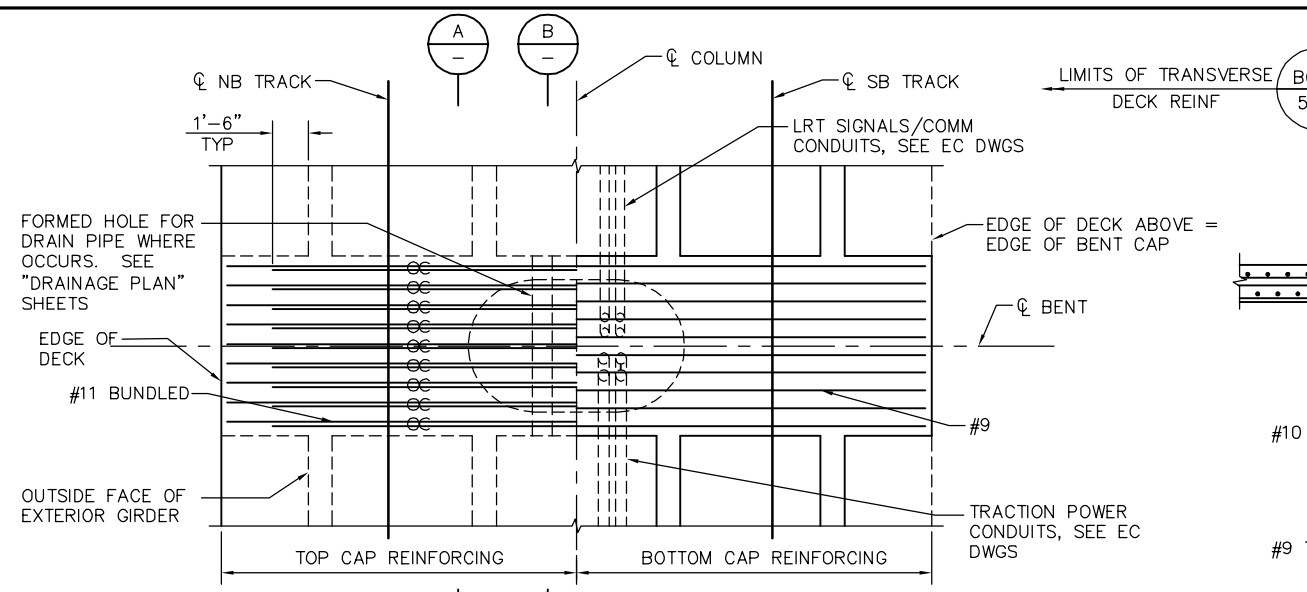
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 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 14

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SC319
REVISION	B



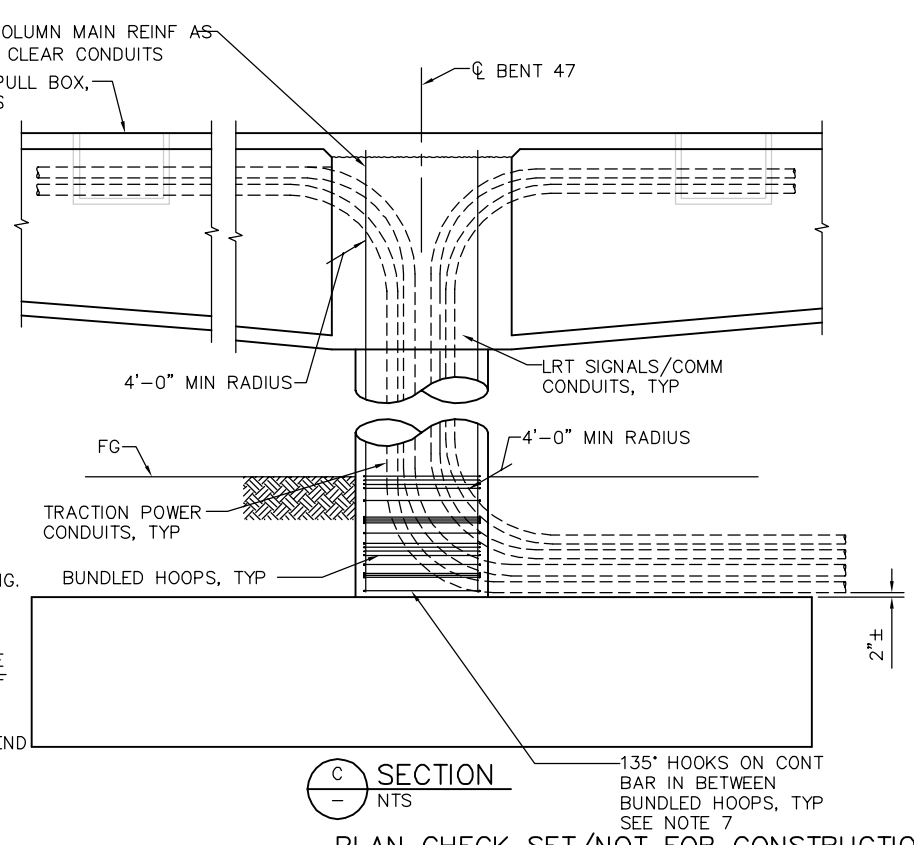
SECTION A
1/2" = 1'-0"

SECTION B
1/2" = 1'-0"

* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
** CLEARANCE TO MAIN CAP REINFORCEMENT

BENT SCHEDULE		
BENT	COLUMN TYPE	COLUMN DIMENSIONS
46	C SC339	5'-6" x 9'-0"
47	D SC339	5'-6" x 9'-0"

- LEGEND**
 INDICATES BUNDLED BARS
- NOTES:**
- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 - ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 - FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 - NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 - POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 - ADJUST COLUMN HOOPS AND BENT CAP SIDE FACE REINF AS REQUIRED TO CLEAR CONDUITS. PROVIDE AT LEAST ONE SET OF HOOPS BETWEEN LAYERS OF CONDUITS. BUNDLE HOOPS ABOVE AND BELOW CONDUITS.
 - USE PARTIAL COL HOOPS W/ 135° HOOKS ON EA END IN BETWEEN BUNDLED HOOPS TO MAINTAIN 6" MAX HOOP SPACING FOR CONFINEMENT.
 - CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.



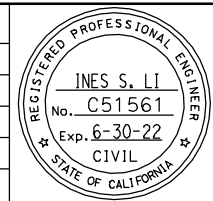
SECTION C
NTS

135° HOOKS ON CONT BAR IN BETWEEN BUNDLED HOOPS, TYP SEE NOTE 7

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:04am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC320.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC320.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED

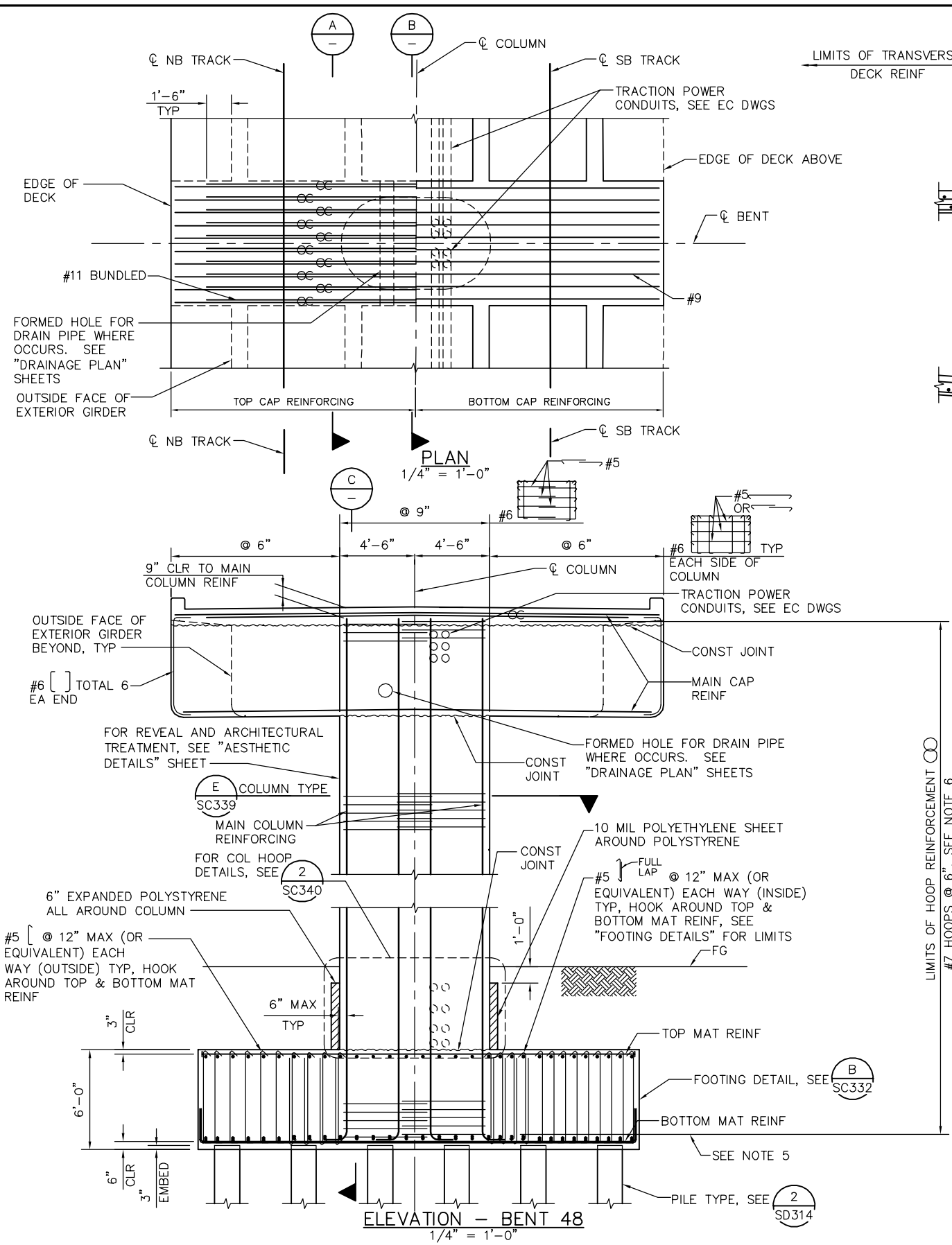
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 15

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SC320 REVISION B



LEGEND

⊗ INDICATES BUNDLED BARS

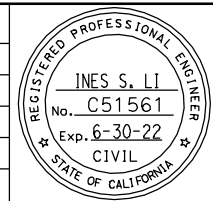
NOTES:

- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
- ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
- FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
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- POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
- ADJUST COLUMN HOOPS AND BENT CAP SIDE FACE REINF AS REQUIRED TO CLEAR CONDUITS. PROVIDE AT LEAST ONE SET OF HOOPS BETWEEN LAYERS OF CONDUITS. BUNDLE HOOPS ABOVE AND BELOW CONDUITS.
- USE PARTIAL COL HOOPS W/ 135° HOOKS ON EACH END IN BETWEEN BUNDLED HOOPS TO MAINTAIN 6" MAX HOOP SPACING FOR CONFINEMENT.
- CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:04am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\80\SC321.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
A. ROSALES

CADD FILENAME
801SC321.dwg



APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

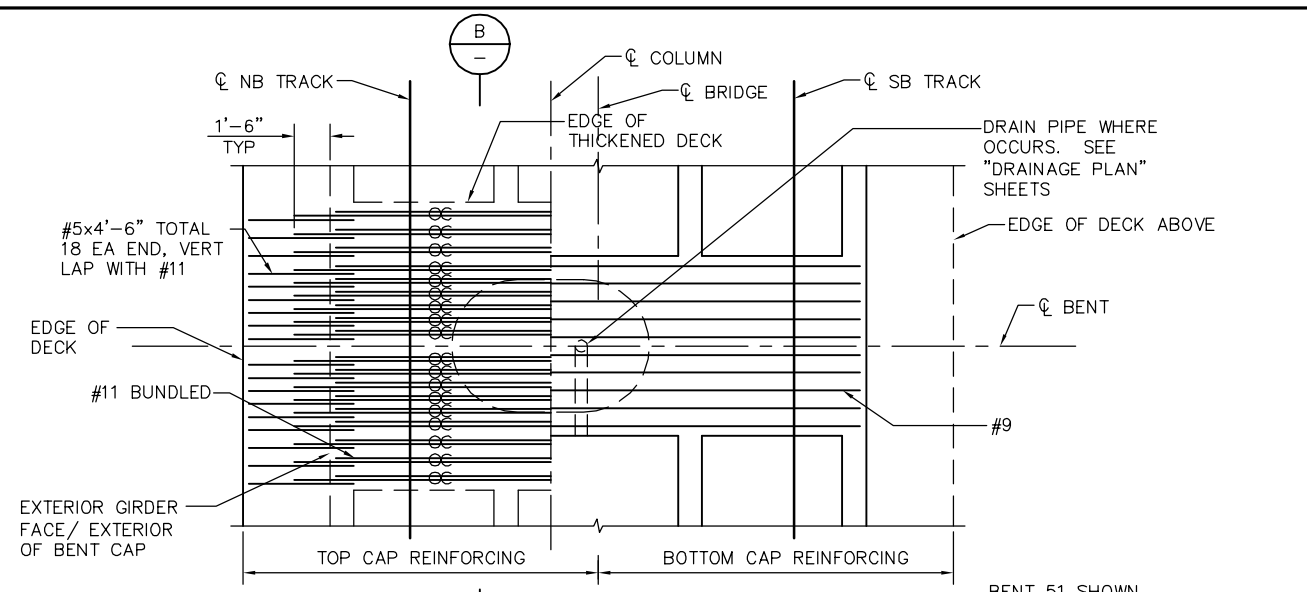
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 16

PCA NO. 000

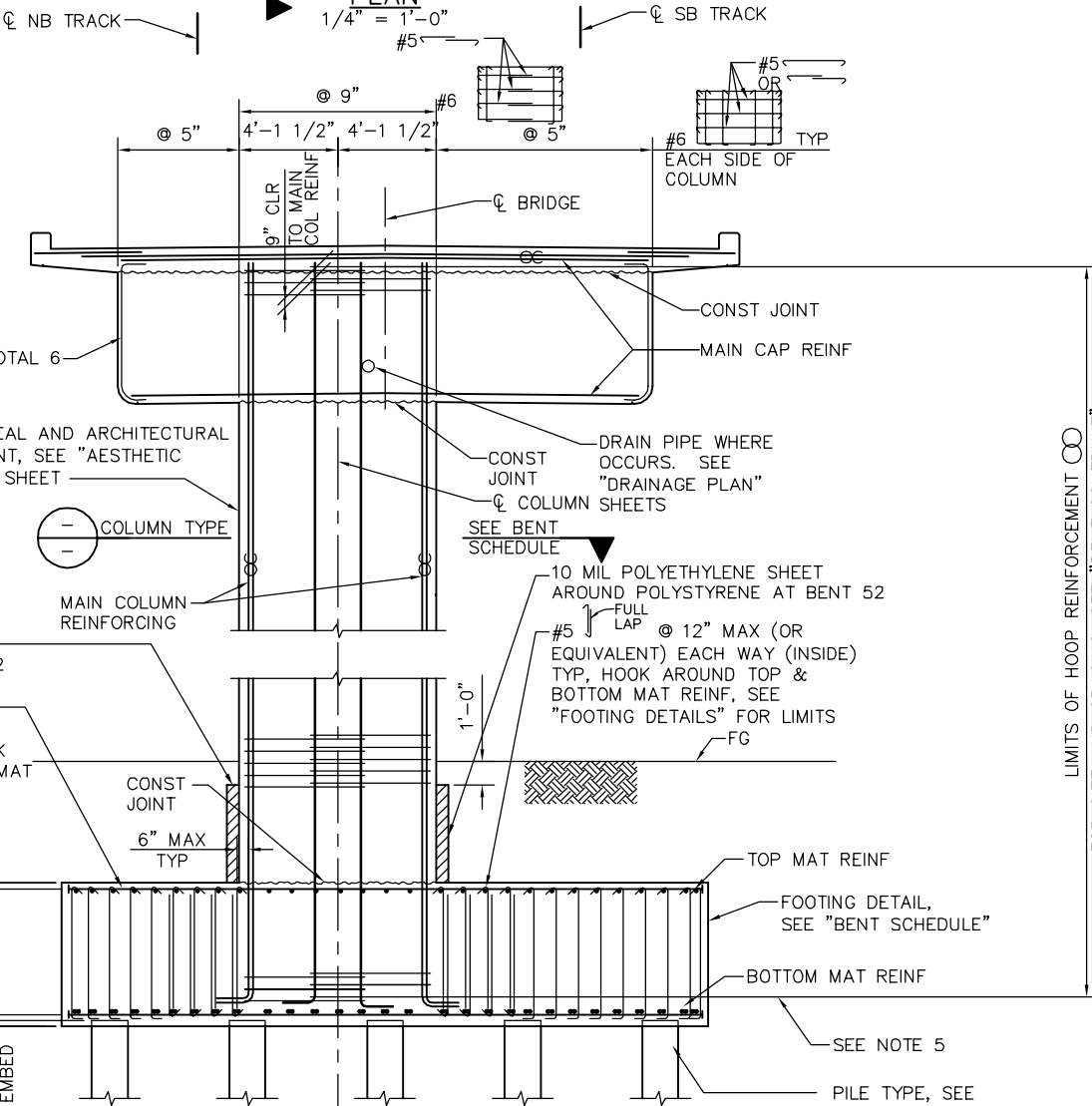
CONTRACT NO. C801

FILE LOCATION PROJECTWISE

SHEET	OF
DRAWING NO. SC321	REVISION B

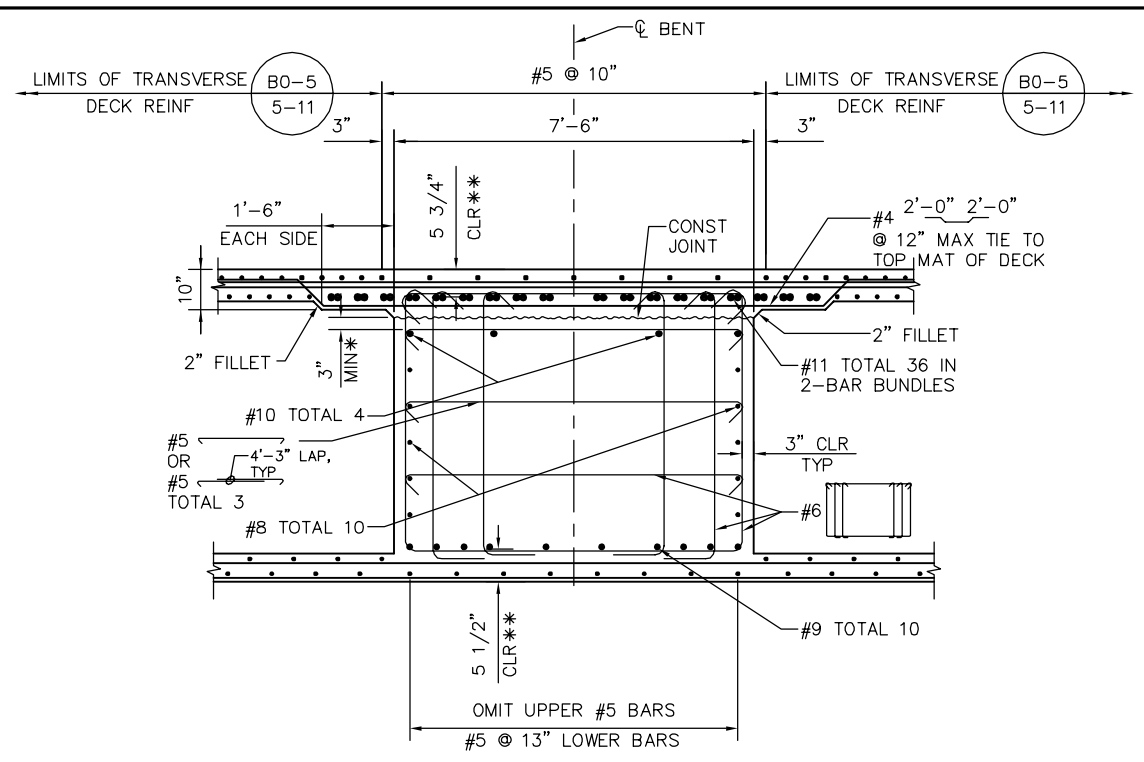


PLAN
1/4" = 1'-0"



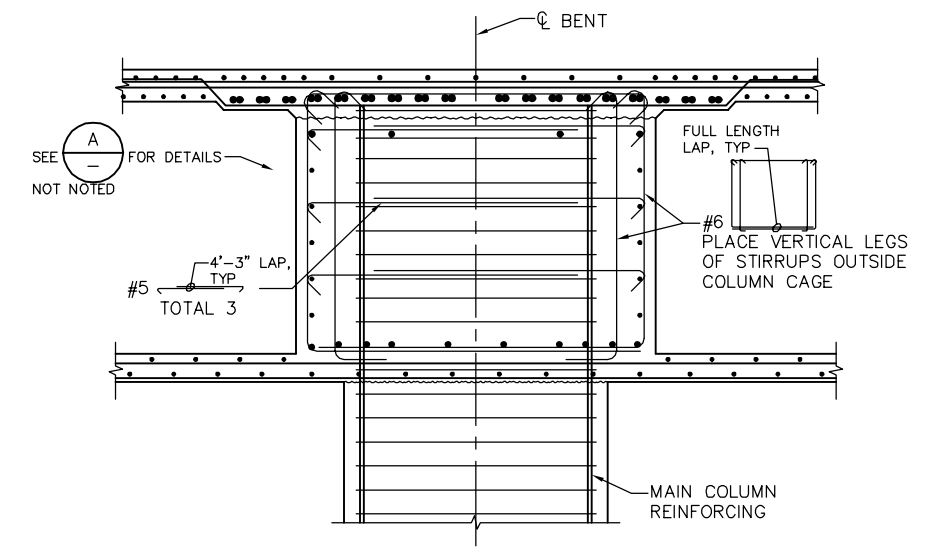
ELEVATION - BENTS 51, 52
1/4" = 1'-0"

BENT 51 SHOWN, BENT 52 SIMILAR



SECTION A
1/2" = 1'-0"

- * PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
- ** CLEARANCE TO MAIN CAP REINFORCEMENT



SECTION B
1/2" = 1'-0"

LEGEND

INDICATES BUNDLED BARS

NOTES:

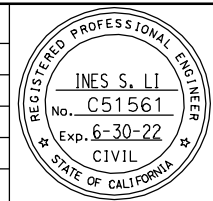
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
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4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
51	A SC338	5'-6" x 8'-3"	#7 @ 4"	6'-0"	A SC334	1 SD314
52	E SC338	5'-6" x 8'-3"	#7 @ 4"	6'-0"	B SC334	1 SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:05am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC322.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
A. ROSALES

CADD FILENAME
801SC322.dwg



APPROVED
BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
NTS

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

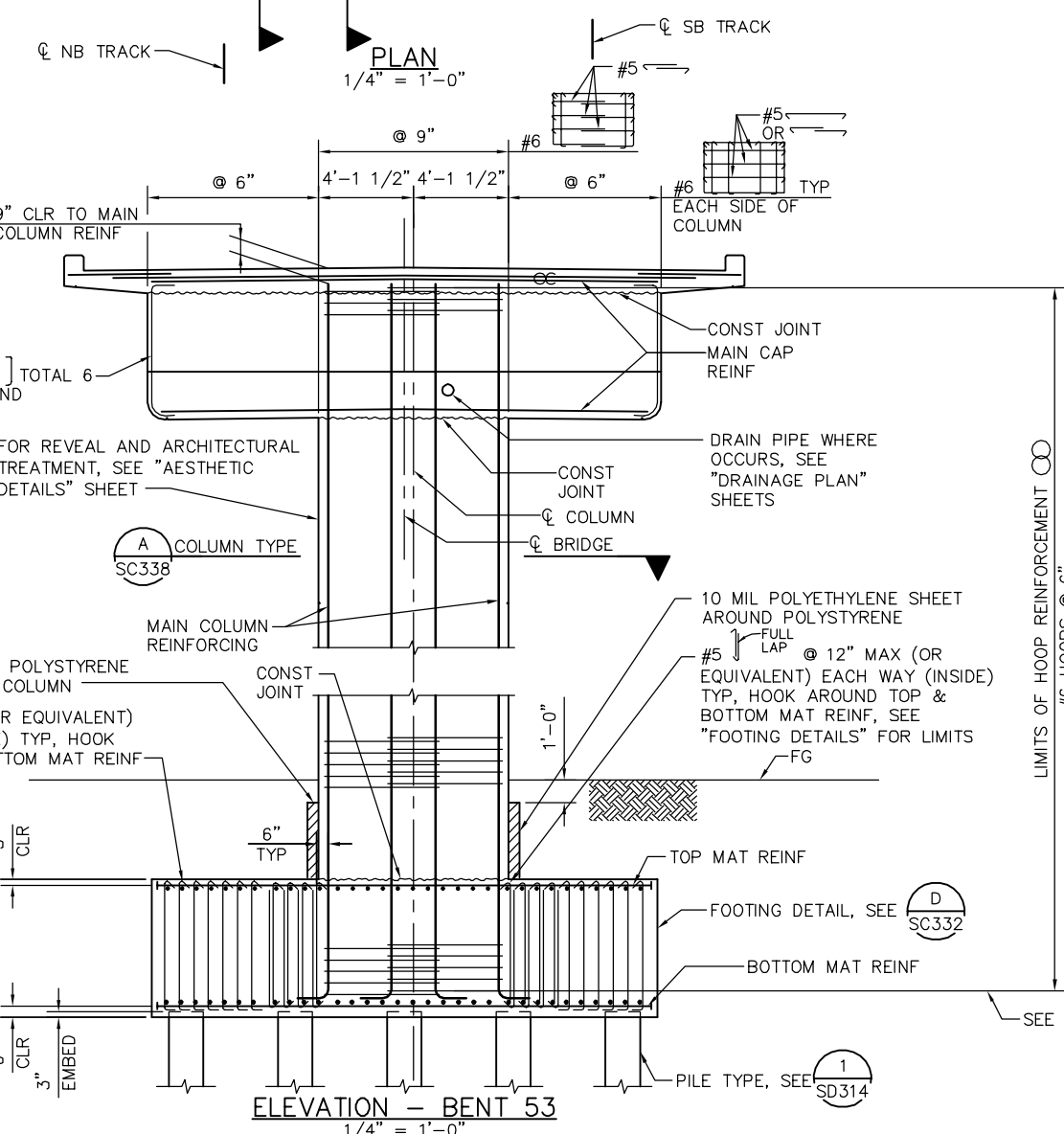
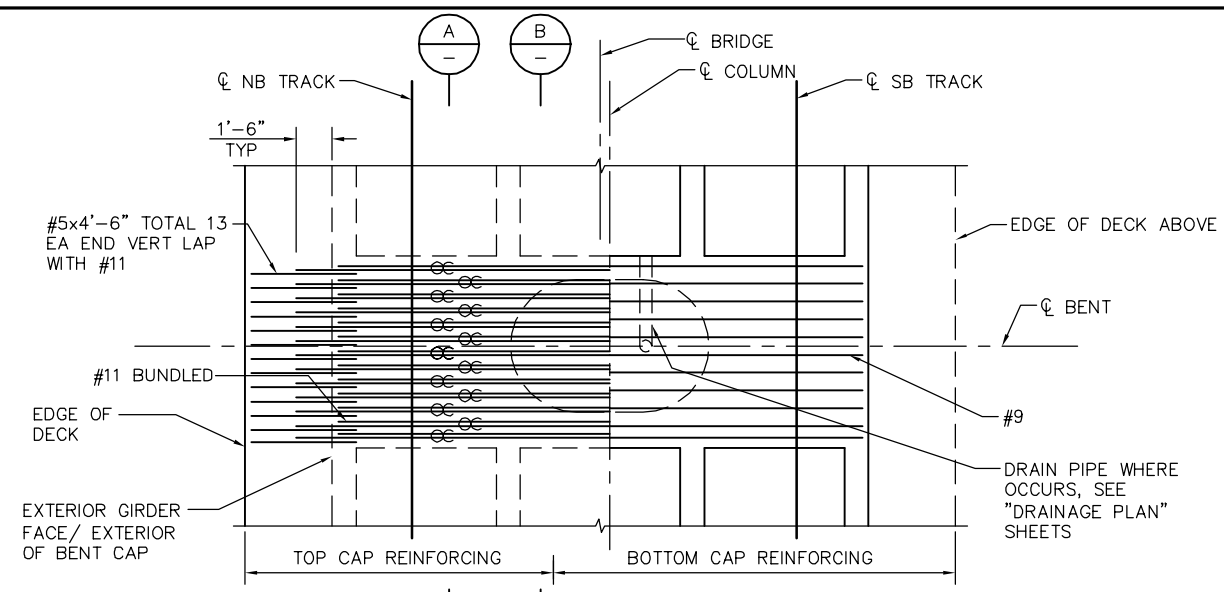
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 17

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF	DRAWING NO. SC322
REVISION	B

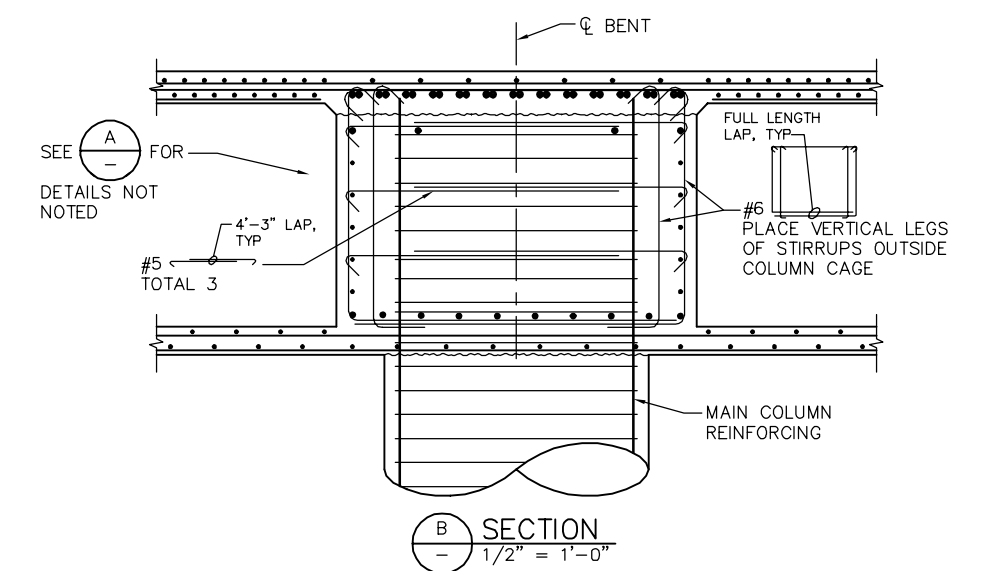
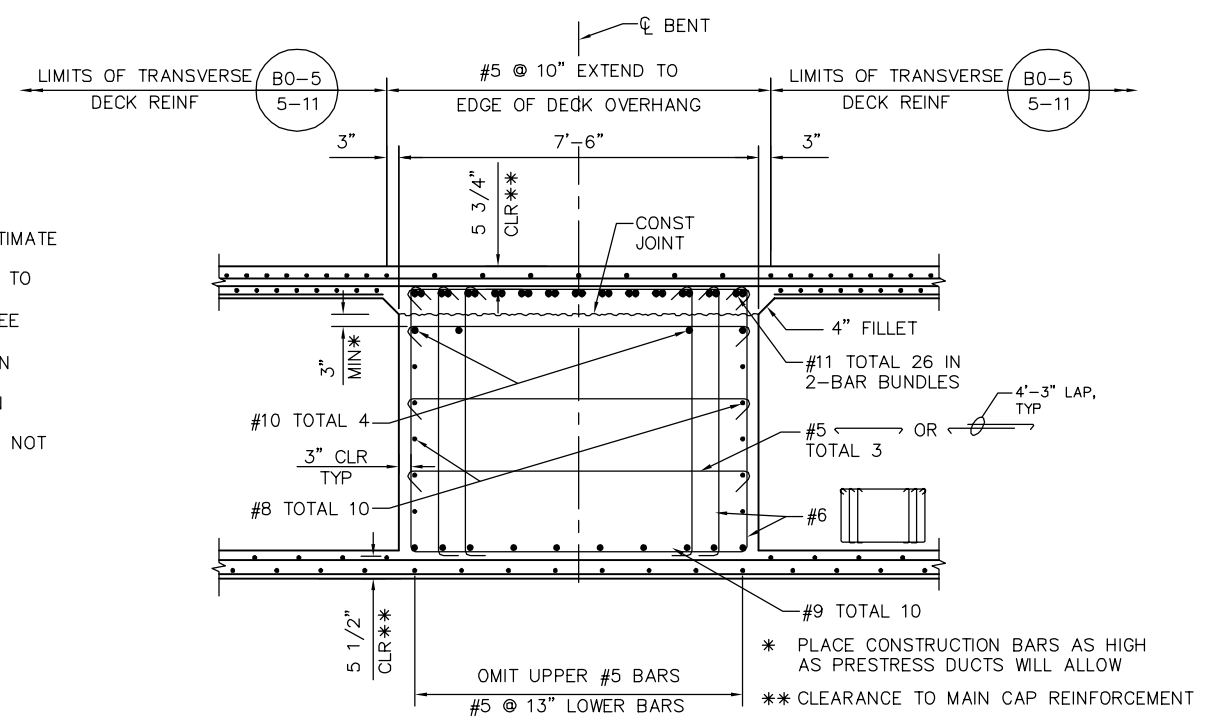


LEGEND

⊗ INDICATES BUNDLED BARS

NOTES:

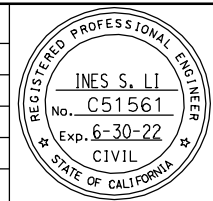
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:05am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC323.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
A. ROSALES

CADD FILENAME
801SC323.dwg



APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

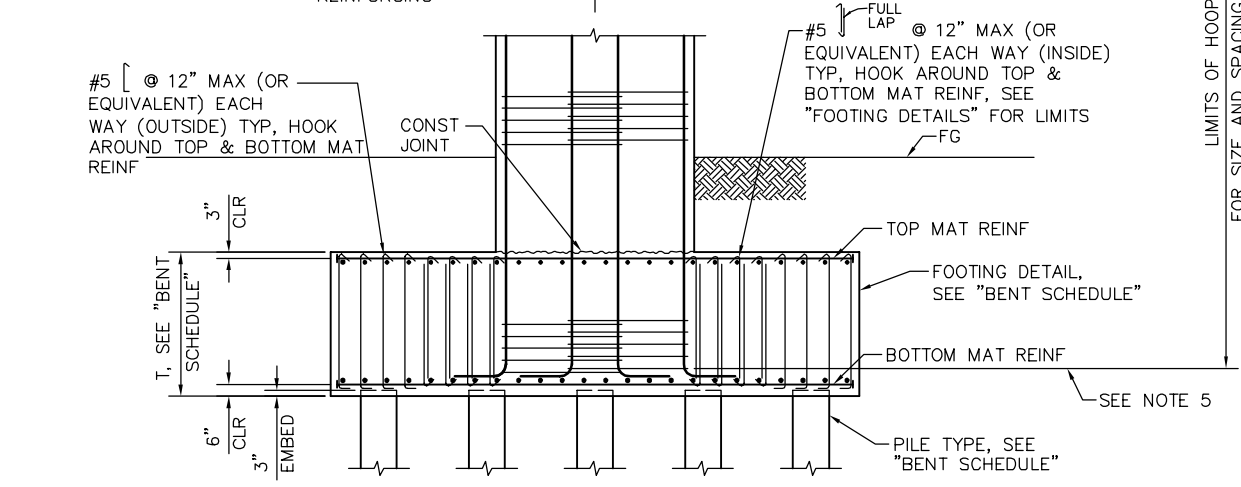
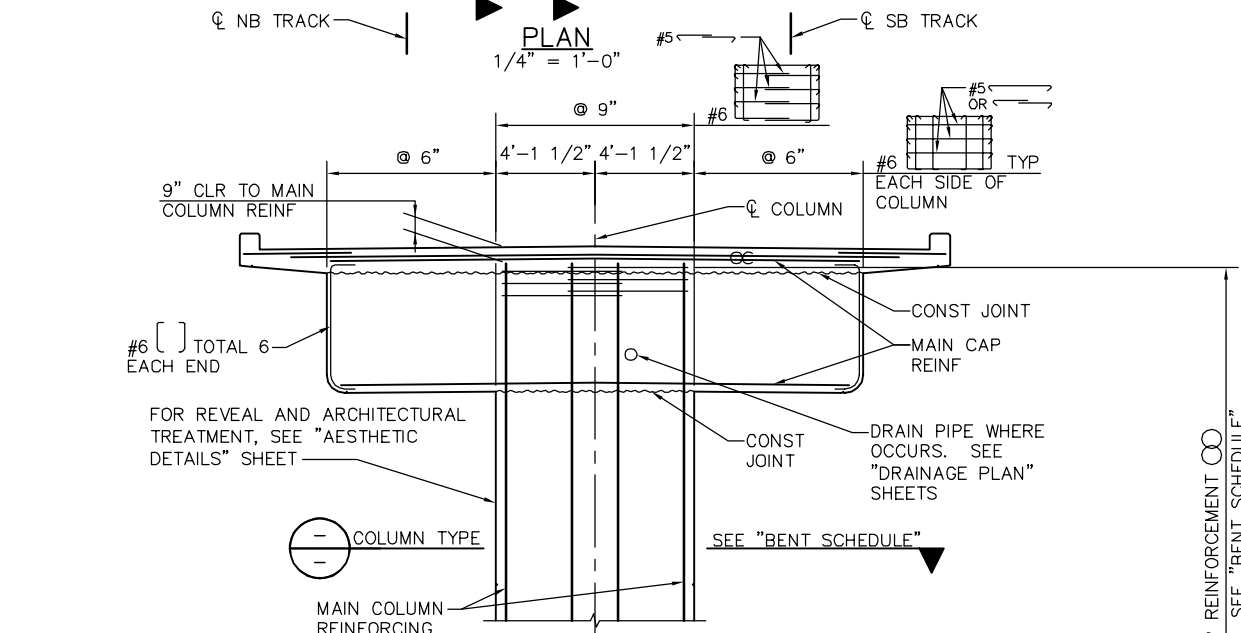
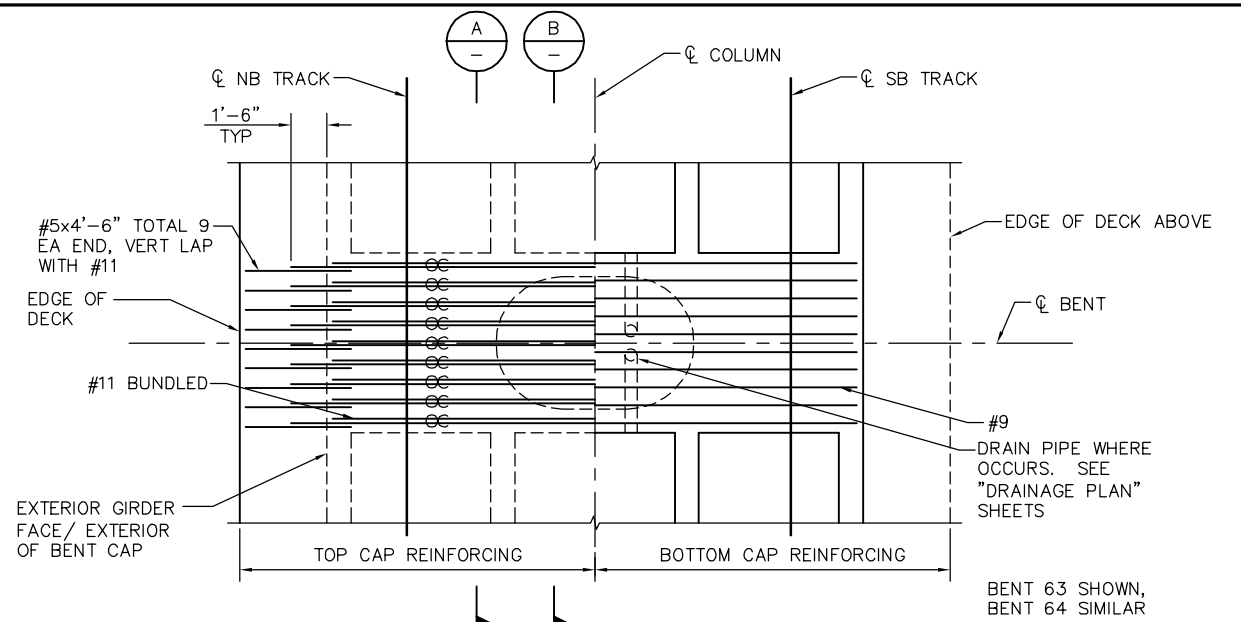
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 18

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

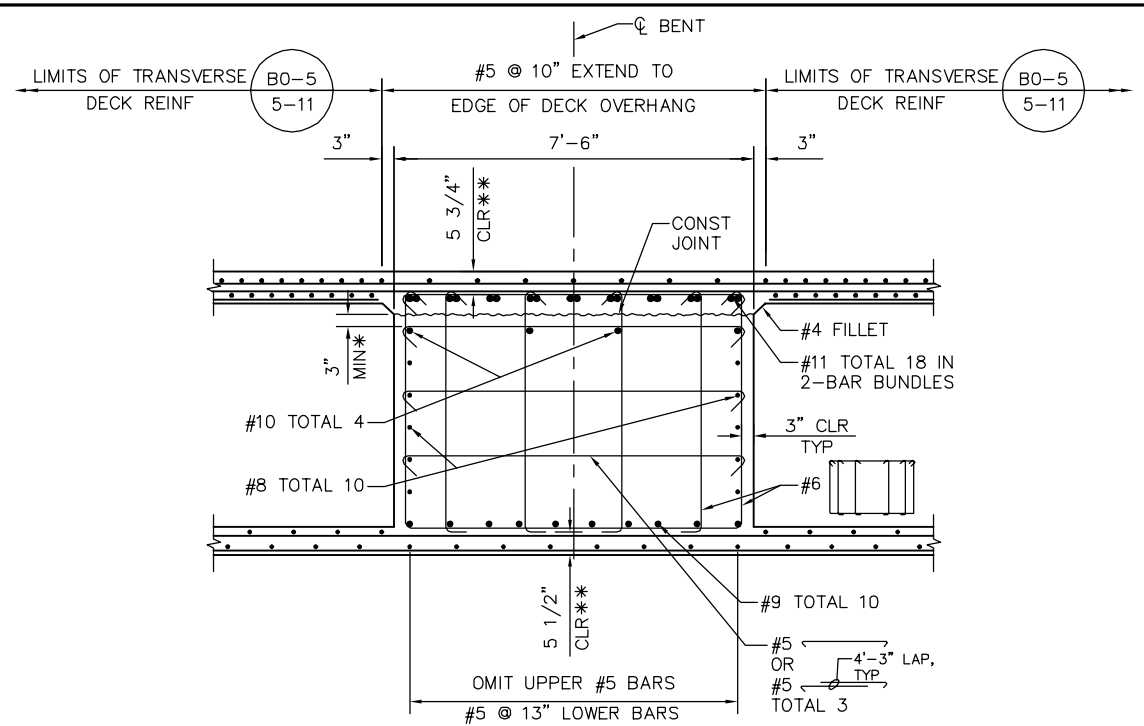
SHEET OF	
DRAWING NO.	SC323
REVISION	B



LEGEND

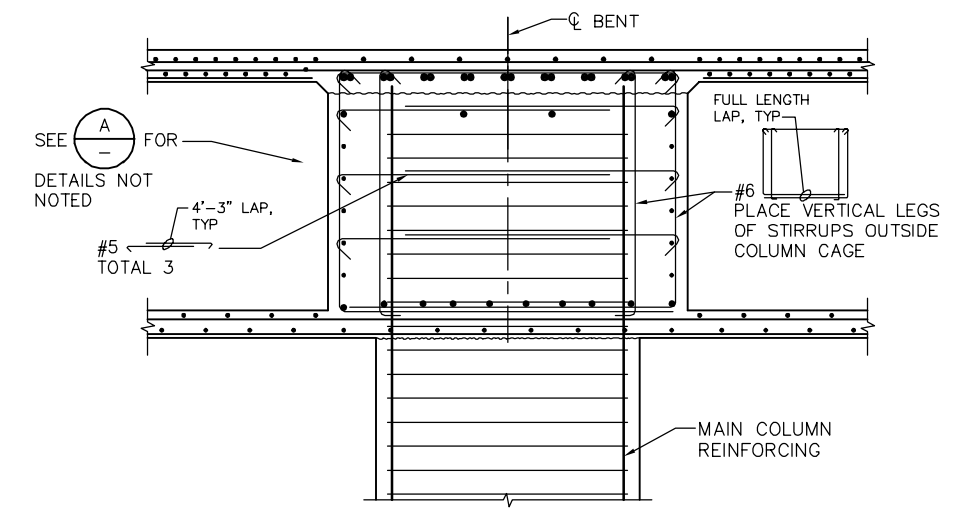
—○— INDICATES BUNDLED BARS

- NOTES:
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW

** CLEARANCE TO MAIN CAP REINFORCEMENT

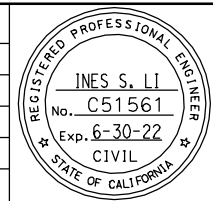


BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
63	A SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	A SC332	2 SD314
64	A SC338	5'-6" x 8'-3"	#7 @ 6"	6'-0"	A SC332	2 SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:06am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC324.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN

CHECKED: D. DEVLIN

DRAWN: A. ROSALES

CADD FILENAME: 801SC324.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20

SCALE: AS SHOWN

SUBMITTAL DATE: 06/29/20

BOARD APPROVAL DATE:

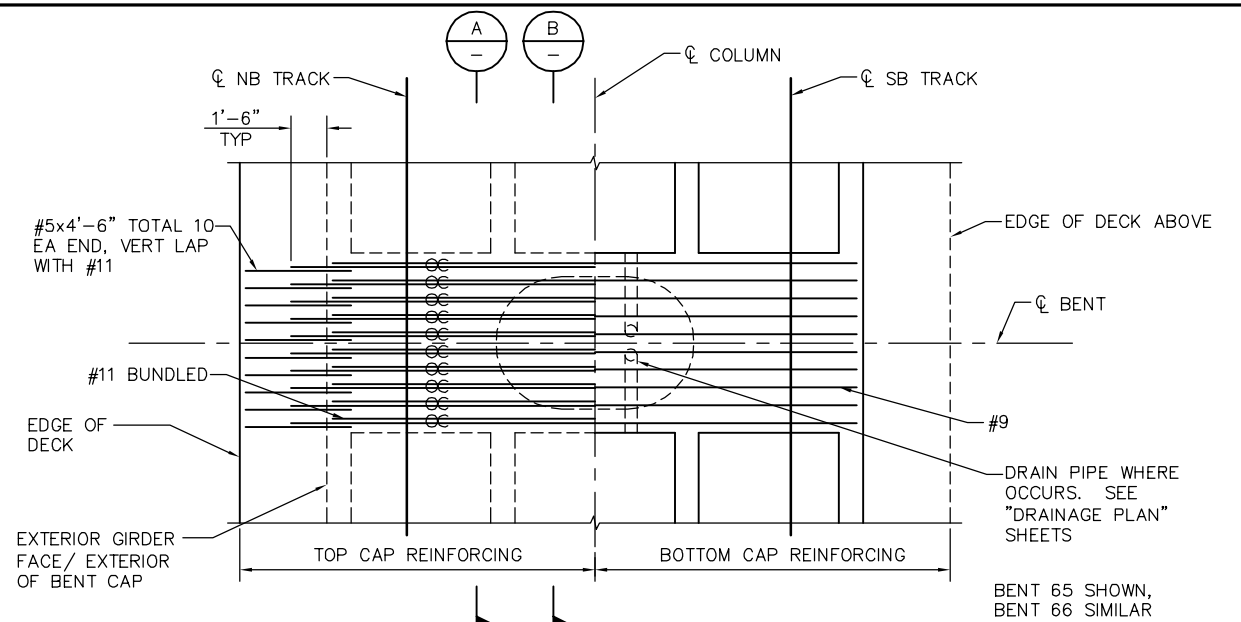
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 19

PCA NO. 000

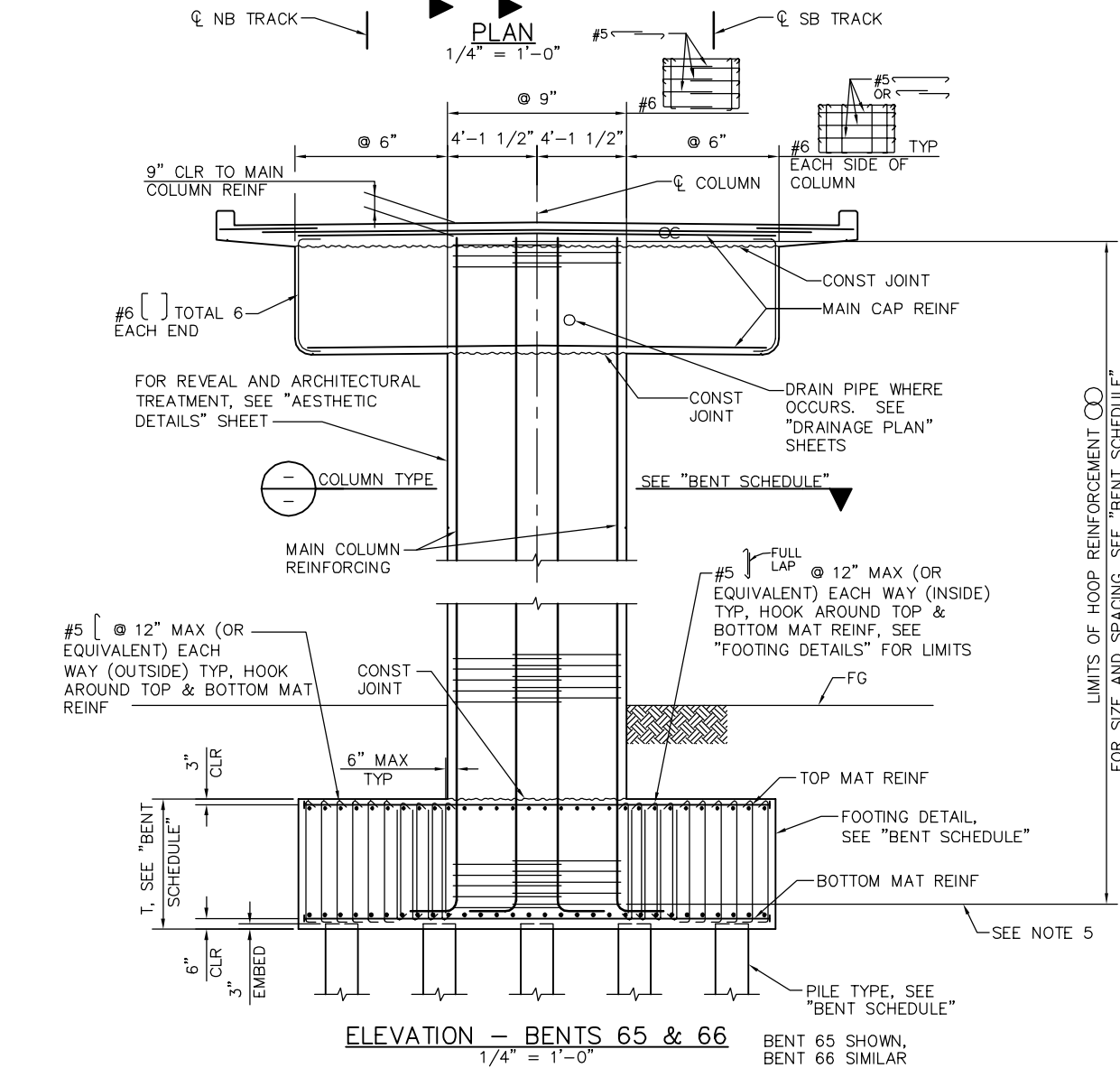
CONTRACT NO. C801

FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC324
REVISION	B



PLAN
1/4" = 1'-0"

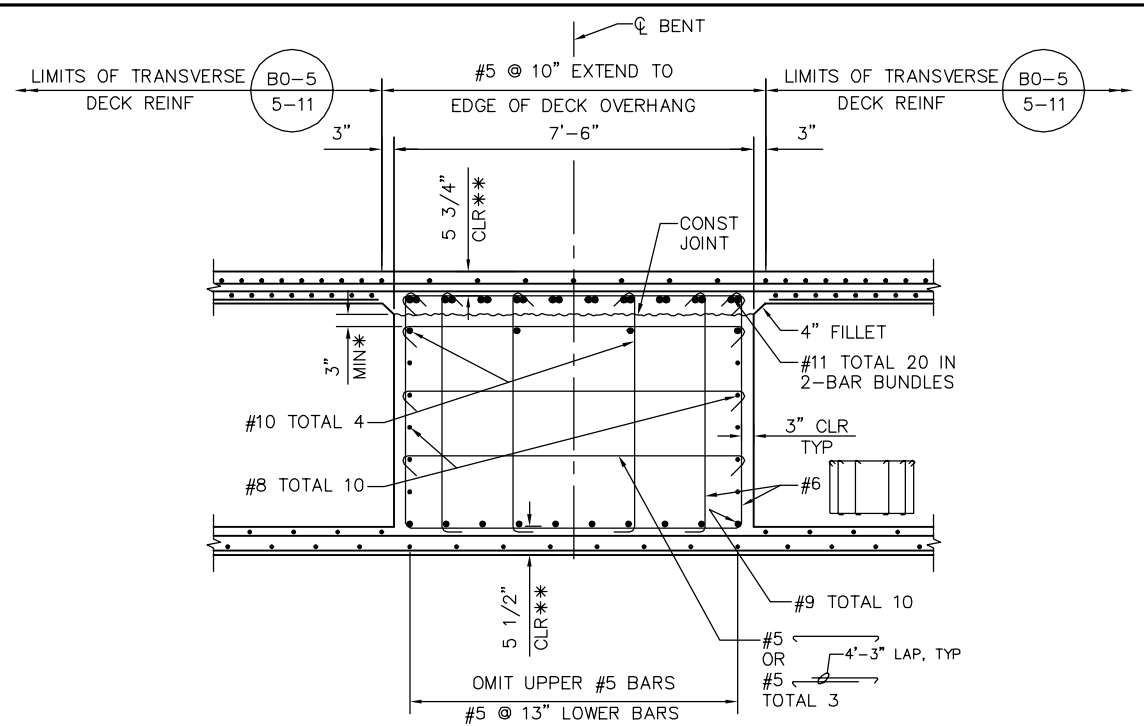


ELEVATION - BENTS 65 & 66
1/4" = 1'-0"

BENT 65 SHOWN,
BENT 66 SIMILAR

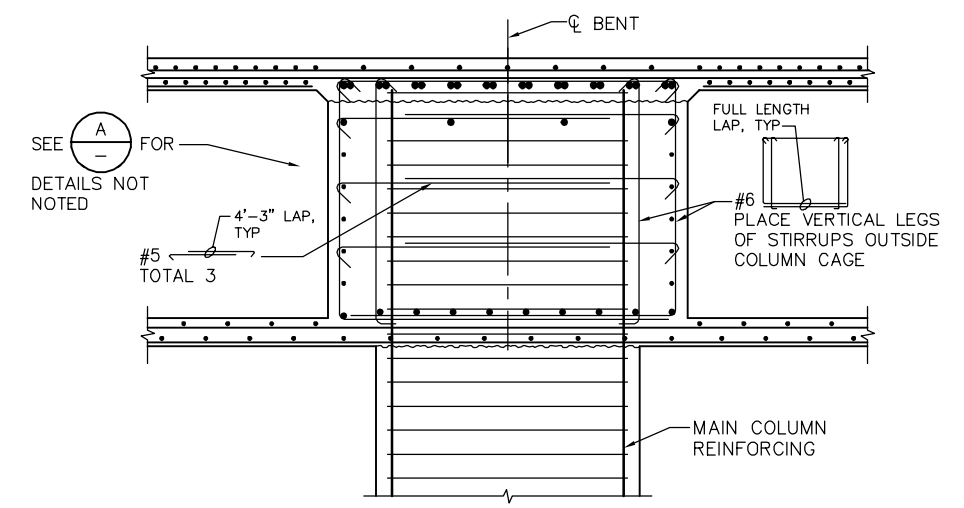
LEGEND
 INDICATES BUNDLED BARS

- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.



SECTION A
1/2" = 1'-0"

- * PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
- ** CLEARANCE TO MAIN CAP REINFORCEMENT



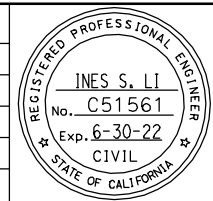
SECTION B
1/2" = 1'-0"

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
65	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	1 SD314
66	A SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	A SC332	2 SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:06am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC325.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC325.dwg

Santa Clara Valley Transportation Authority

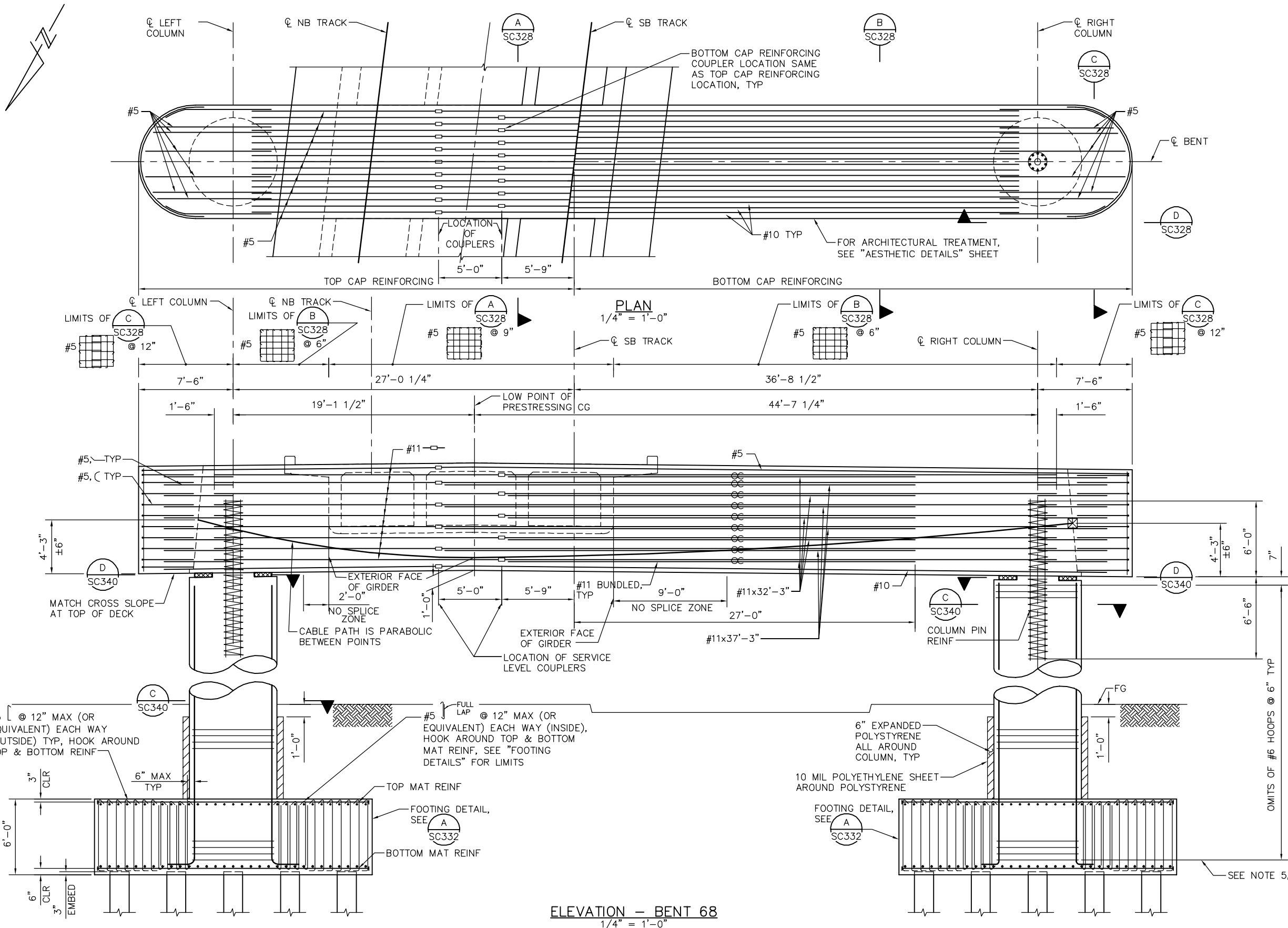
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 20

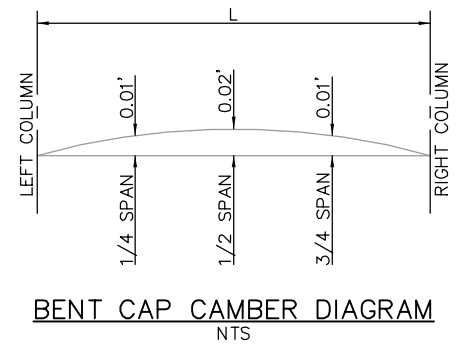
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC325
REVISION	B



- LEGEND**
- ⊗ INDICATES BUNDLED BARS
 - ⊔ INDICATES SERVICE LEVEL COUPLER
- NOTES:**
- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 - ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FOOTING REINF.
 - DISCONTINUE SPIRALS AT COLUMN PIN REINF AS REQUIRED TO CLR BENT CAP REINF.
 - #9, #10, #11 MAIN CAP REINF MUST BE SPLICED WITH SERVICE LEVEL SPLICES.
 - POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 - CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

- BENT CAP PRESTRESSING NOTES**
- PRESTRESSING FORCE DESIGN IS BASED ON FRICTION CURVATURE COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $k = 0.0002 \text{ ft}^{-1}$
 - 270 ksi LOW RELAXATION STRAND:
 $P_{jack} = 7,440 \text{ kips}$
 ANCHOR SET = $3/8"$
 - CONCRETE: $f'_c = 4000 \text{ psi @ 28 DAYS}$
 $f'_{ci} = 3500 \text{ psi @ TIME OF STRESSING}$
 - THE MAXIMUM JACKING STRESS IN PRESTRESSING STEEL MUST NOT EXCEED $0.75 f'_s$.
 - CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\boxtimes = 0.916$ TIMES JACKING STRESS.
 - ONE END STRESSING MUST BE PERFORMED FROM LEFT COLUMN END.
 - \boxtimes DENOTES THEORETICAL POINT OF NO MOVEMENT
 - BENT CAP MUST BE PARTIALLY PRESTRESSED TO: $50\% \text{ OF } P_{jack} = 3720 \text{ ksi}$ PRIOR TO LONGITUDINAL PRESTRESSING OF SUPERSTRUCTURE GIRDERS. BENT CAP SHALL BE PRESTRESSED TO $100\% P_{jack}$ AFTER COMPLETION OF GIRDER LONGITUDINAL PRESTRESSING.

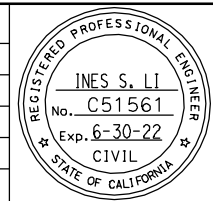


ELEVATION - BENT 68
1/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:06am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC326.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC326.dwg

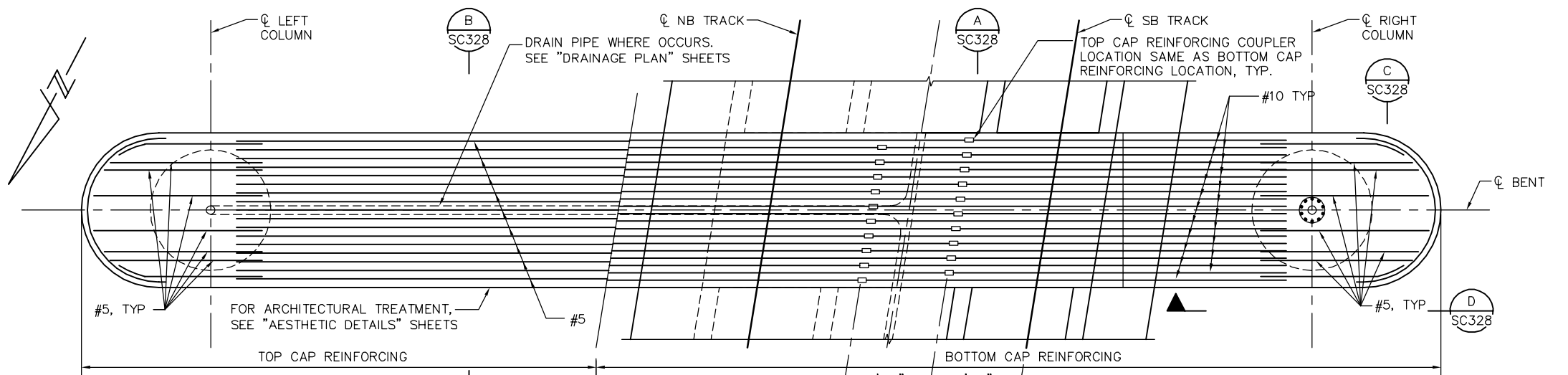


APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

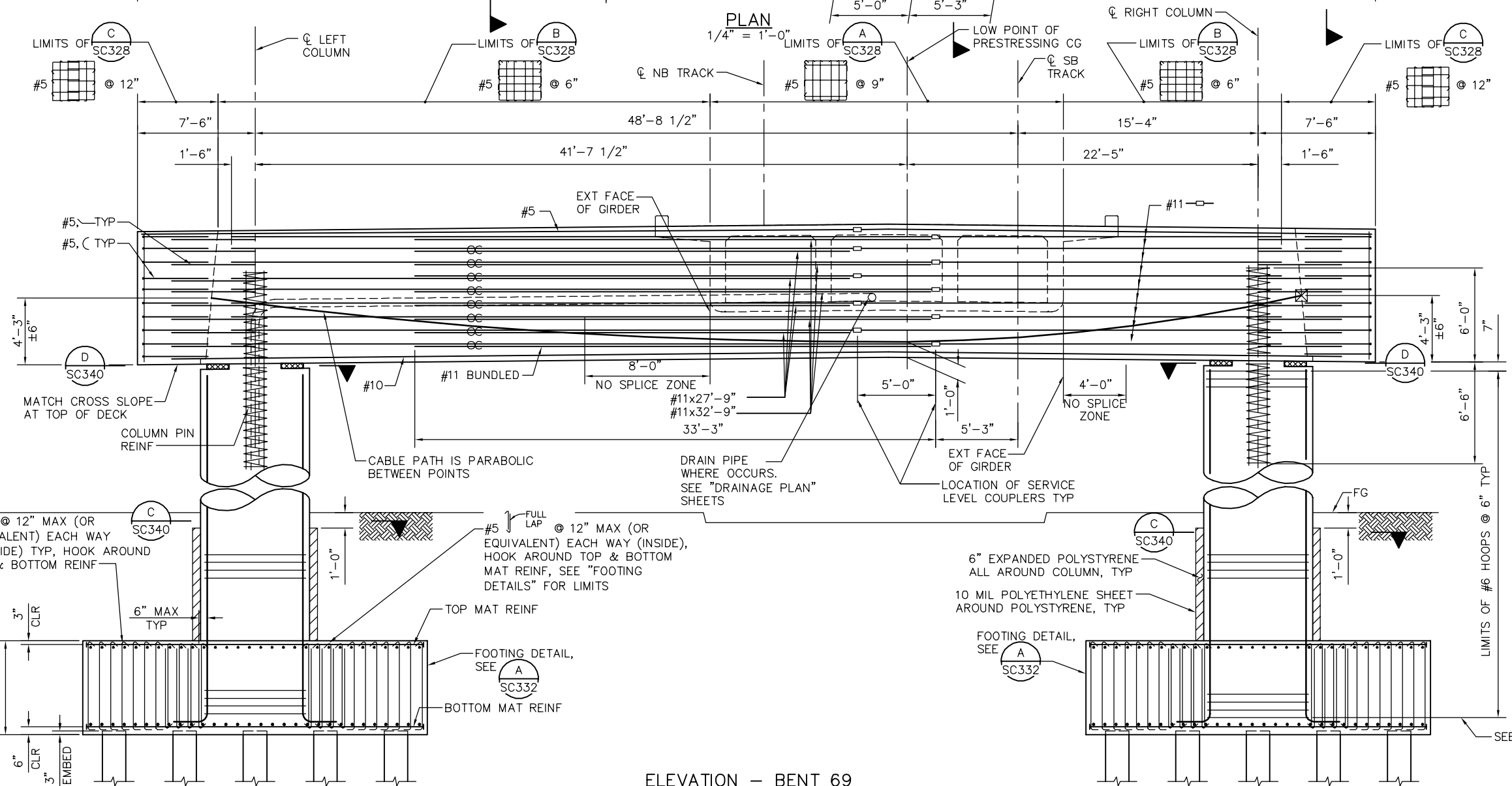
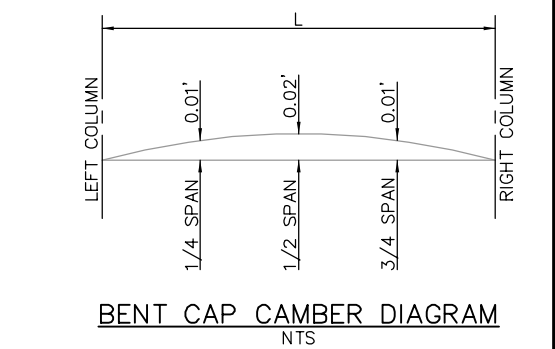
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
CAPITOL AERIAL GUIDEWAY BENT DETAILS No. 21		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SC326
REVISION	B



- LEGEND**
- INDICATES BUNDLED BARS
 - INDICATES SERVICE LEVEL COUPLER
- NOTES:**
1. ALL COLUMN HOOPS SHALL UTILIZE ULTIMATE BUTT SPLICES.
 2. COLUMN HOOPS TO CLEAR FOOTING REINF.
 3. SPIRALS AT PIN REINF TO CLR BENT CAP REINF.
 4. #9, #10, AND #11 MAIN CAP REINF MUST BE SPLICED WITH SERVICE LEVEL SPLICES.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.
- BENT CAP PRESTRESSING NOTES**
1. PRESTRESSING FORCE DESIGN IS BASED ON FRICTION CURVATURE COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $k = 0.0002 \text{ ft}^{-1}$
 2. 270 ksi LOW RELAXATION STRAND:
 $P_{jack} = 7,570 \text{ kips}$
 ANCHOR SET = $3/8"$
 3. CONCRETE: $f'_c = 4000 \text{ psi @ 28 DAYS}$
 $f'_{ci} = 3500 \text{ psi @ TIME OF STRESSING}$
 4. THE MAXIMUM JACKING STRESS IN PRESTRESSING STEEL MUST NOT EXCEED $0.75 f'_s$.
 5. CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\boxtimes = 0.931$ TIMES JACKING STRESS.
 6. ONE END STRESSING MUST BE PERFORMED FROM LEFT COLUMN END.
 7. \boxtimes DENOTES THEORETICAL POINT OF NO MOVEMENT
 8. BENT CAP MUST BE PARTIALLY PRESTRESSED TO: $50\% \text{ OF } P_{jack} = 3780 \text{ kips}$ PRIOR TO LONGITUDINAL PRESTRESSING OF SUPERSTRUCTURE GIRDERS. BENT CAP SHALL BE PRESTRESSED TO $100\% P_{jack}$ AFTER COMPLETION OF GIRDER LONGITUDINAL PRESTRESSING.

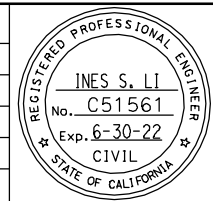


PLAN CHECK SET/NOT FOR CONSTRUCTION

SEE NOTE 5, TYP

SMH Jun 21, 2020 - 10:07am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SC327.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: A. ROSALES
CADD FILENAME: 801SC327.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

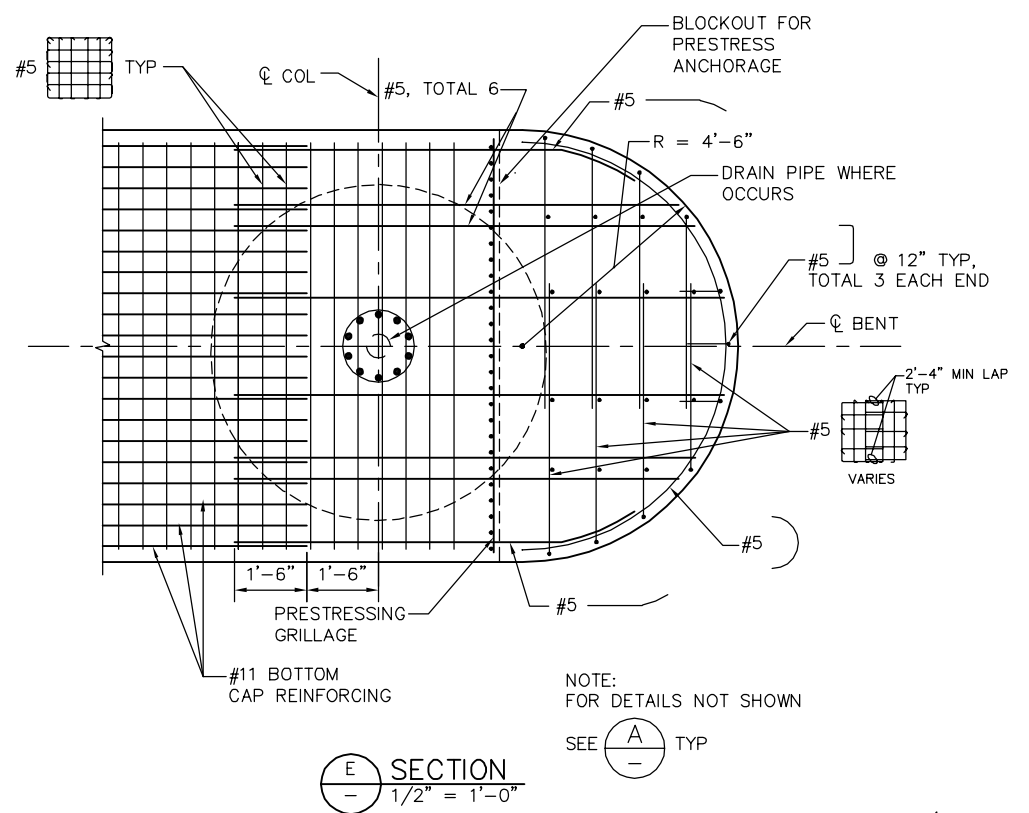
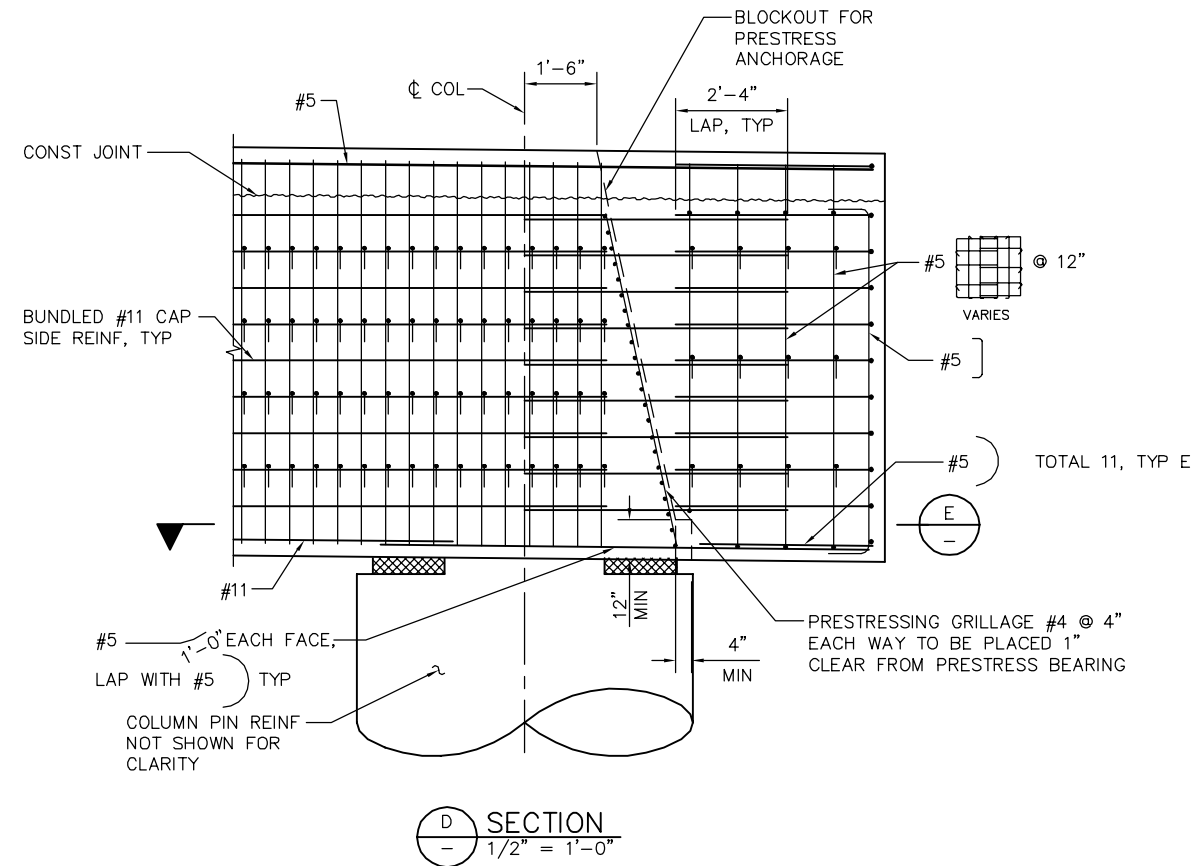
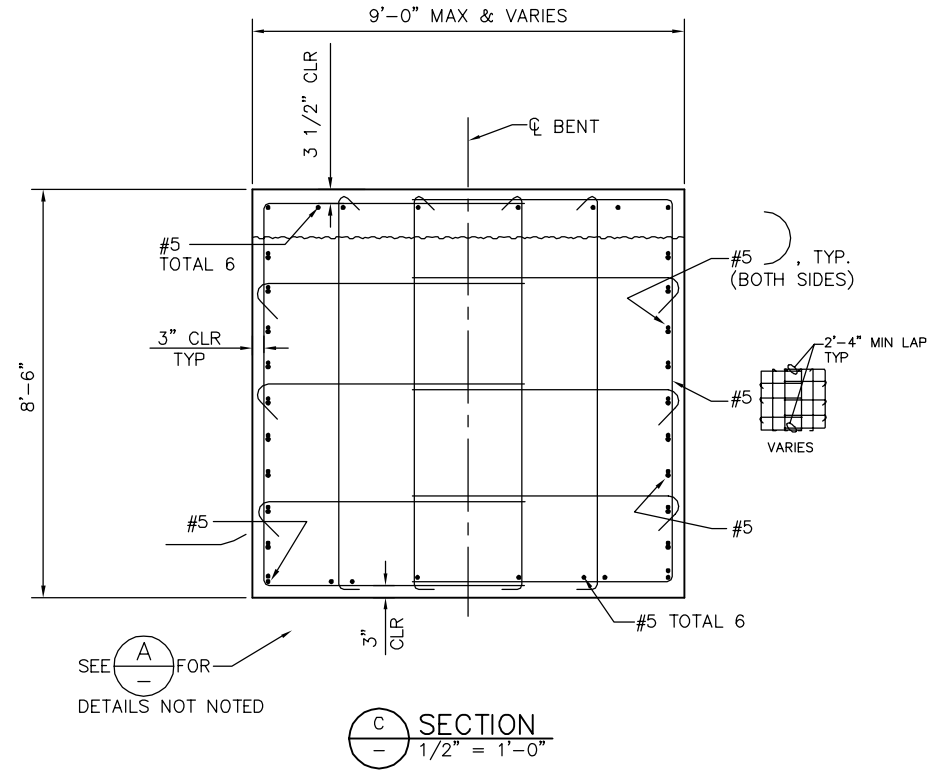
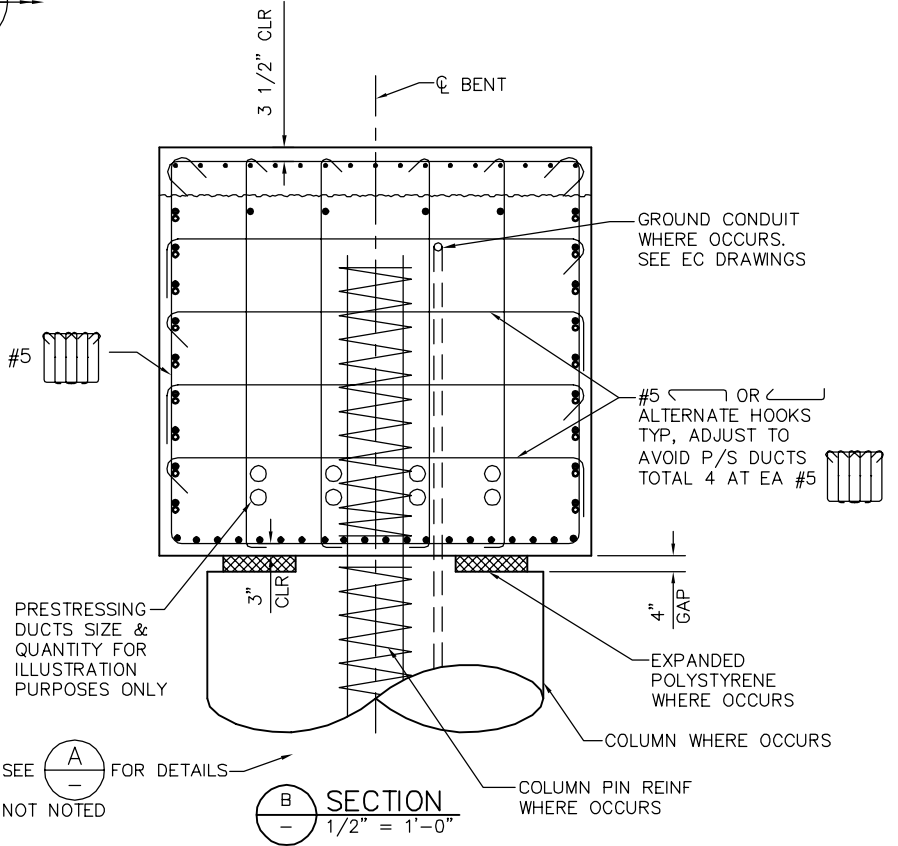
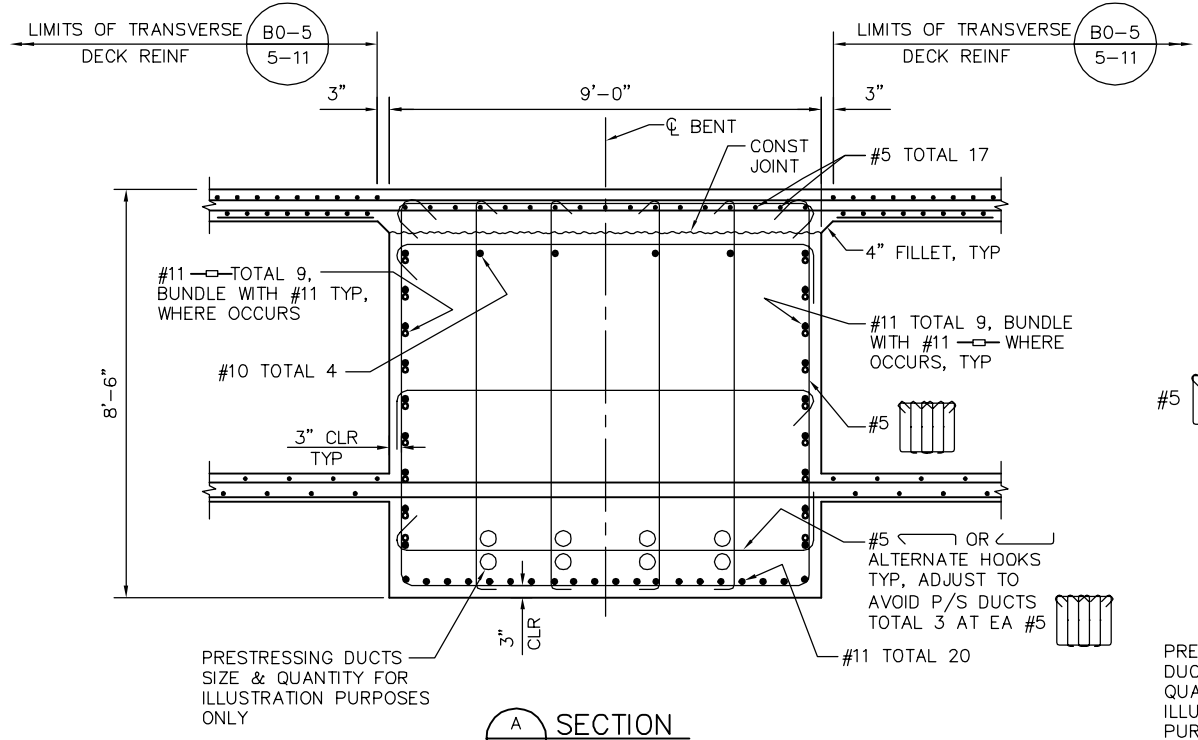
CADD FILEDATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 22

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

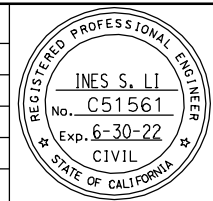
SHEET OF SC327
DRAWING NO. SC327
REVISION B



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:07am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC328.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN

CHECKED: D. DEVLIN

DRAWN: A. ROSALES

CADD FILENAME: 801SC328.dwg

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20

SCALE: 1/2" = 1'-0"

SUBMITTAL DATE: 06/29/20

BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT DETAILS No. 23

PCA NO. 000

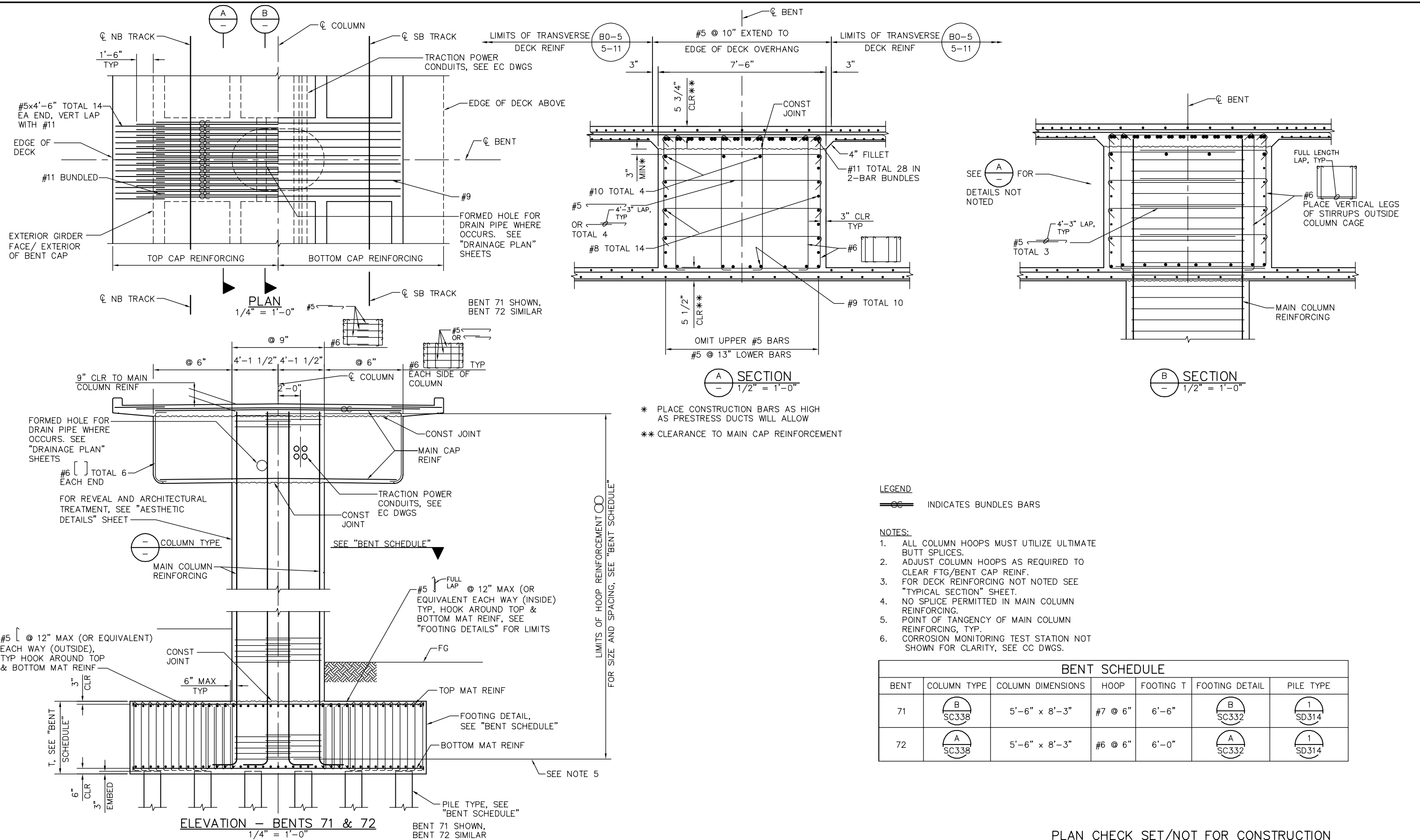
CONTRACT NO. C801

FILE LOCATION: PROJECTWISE

SHEET OF SC328

DRAWING NO. SC328

REVISION B



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

LEGEND
 ○ ○ INDICATES BUNDLES BARS

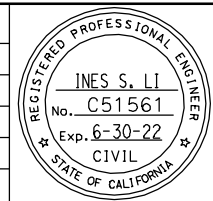
- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
71	(B) SC338	5'-6" x 8'-3"	#7 @ 6"	6'-6"	(B) SC332	(1) SD314
72	(A) SC338	5'-6" x 8'-3"	#6 @ 6"	6'-0"	(A) SC332	(1) SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:08am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SC329.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC329.dwg



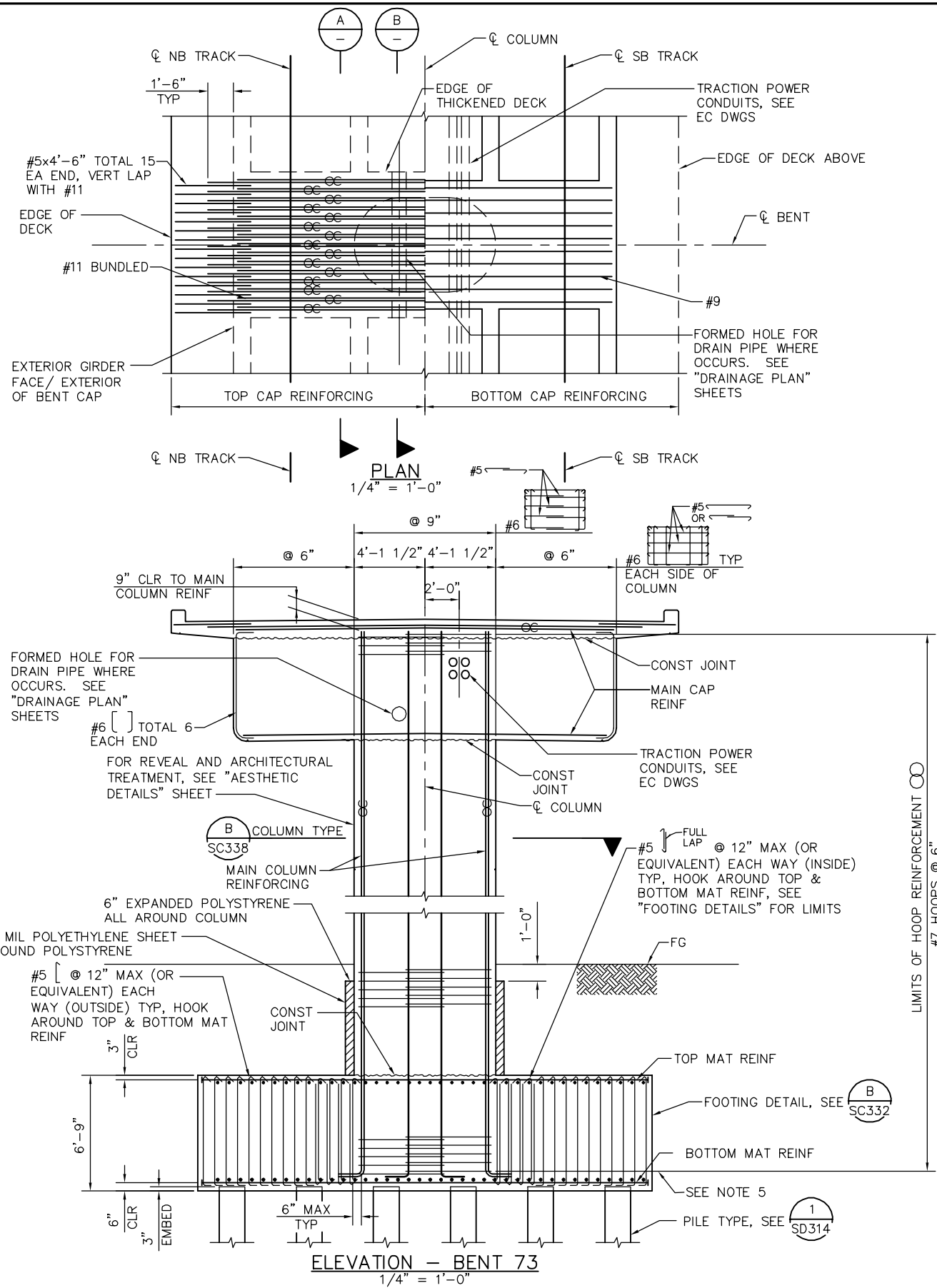
APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 24

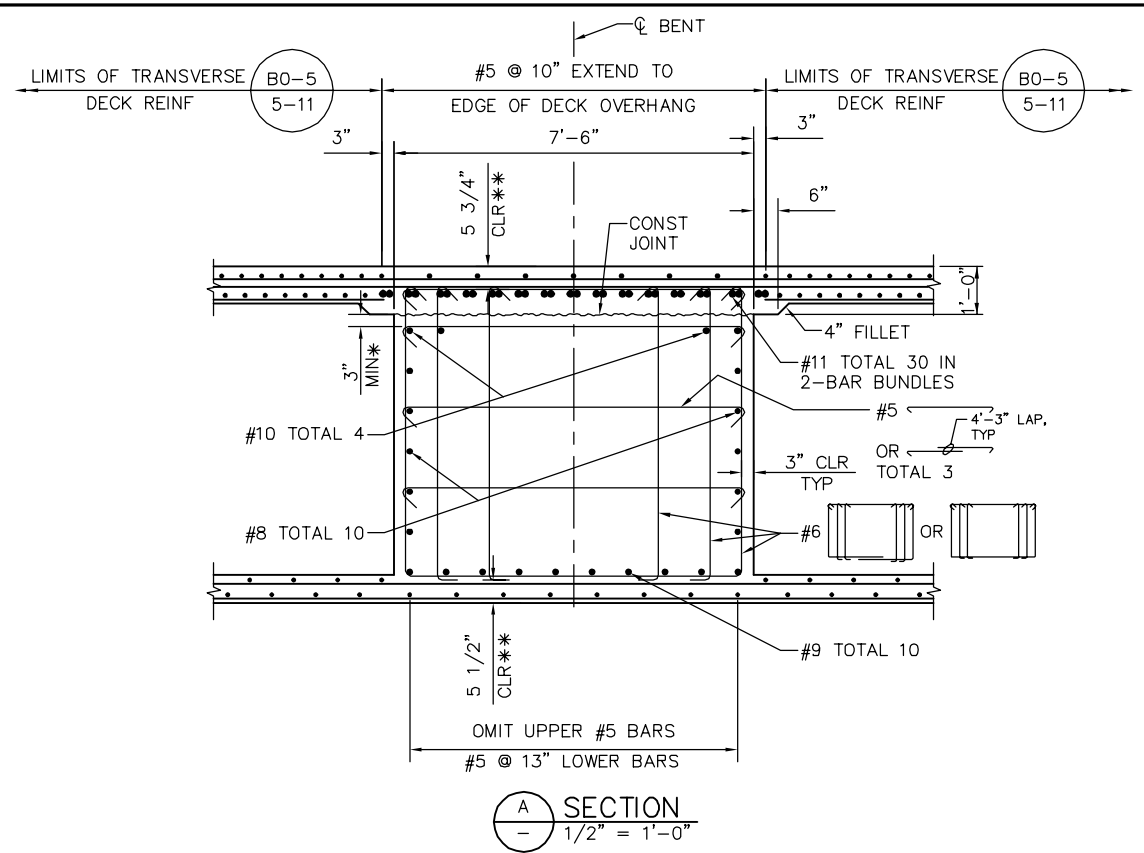
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	SC329
DRAWING NO.	SC329
REVISION	B

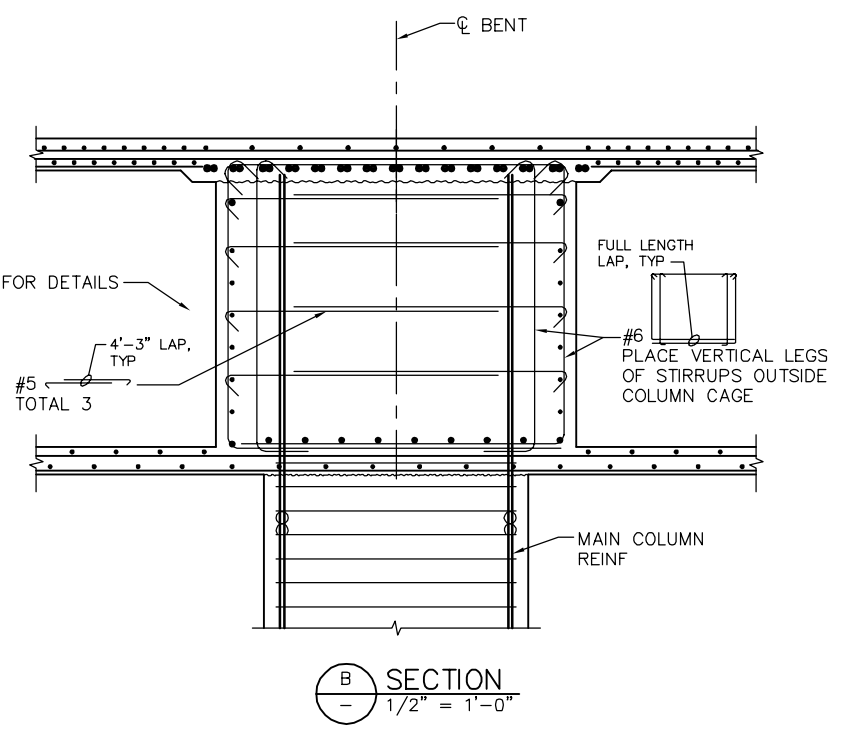


LEGEND
 INDICATES BUNDLED BARS

- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.



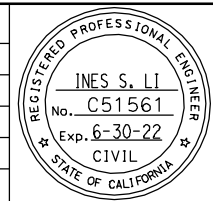
* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:08am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC330.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC330.dwg



APPROVED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

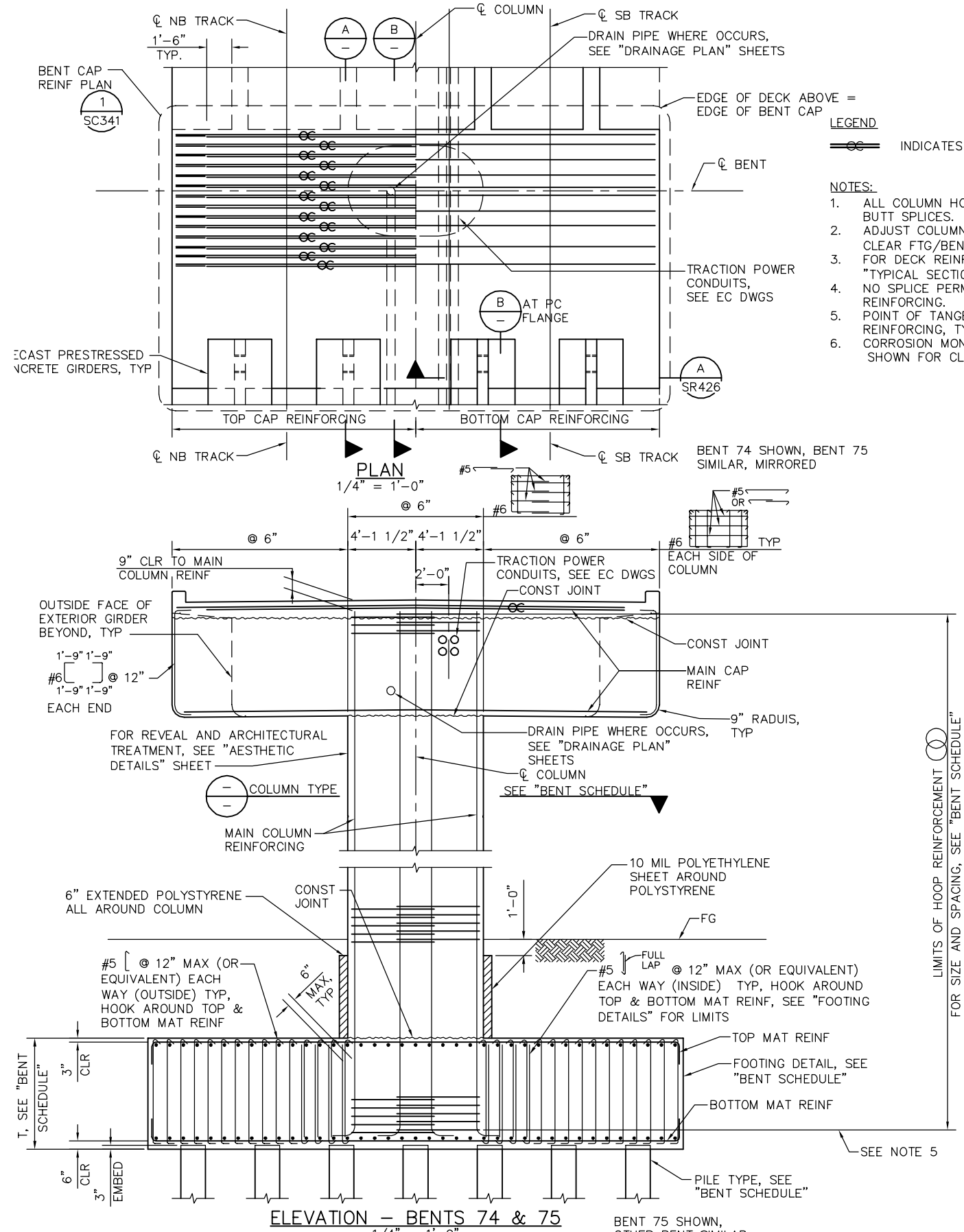
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 BENT DETAILS No. 25

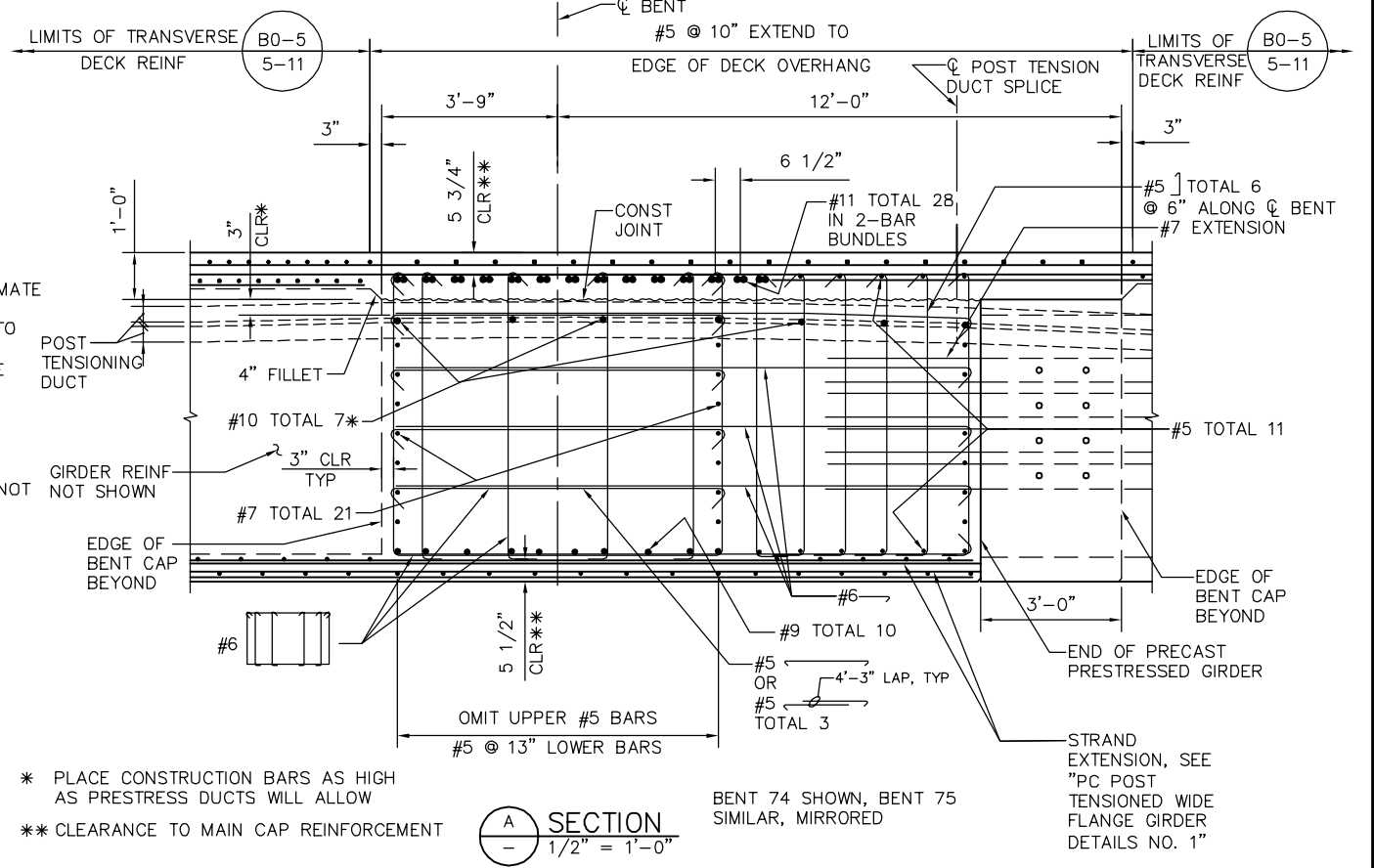
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SC330
REVISION	B



LEGEND
 INDICATES BUNDLED BARS

- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. ADJUST COLUMN HOOPS AS REQUIRED TO CLEAR FTG/BENT CAP REINF.
 3. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.
 4. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 5. POINT OF TANGENCY OF MAIN COLUMN REINFORCING, TYP.
 6. CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.



* PLACE CONSTRUCTION BARS AS HIGH AS PRESTRESS DUCTS WILL ALLOW
 ** CLEARANCE TO MAIN CAP REINFORCEMENT

BENT 74 SHOWN, BENT 75 SIMILAR, MIRRORED

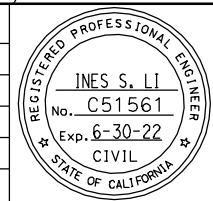
STRAND EXTENSION, SEE "PC POST TENSIONED WIDE FLANGE GIRDER DETAILS NO. 1"

BENT SCHEDULE						
BENT	COLUMN TYPE	COLUMN DIMENSIONS	HOOP	FOOTING T	FOOTING DETAIL	PILE TYPE
74	F SC338	5'-6" x 8'-3"	#7 @ 5"	6'-0"	D SC334	1 SD314
75	D SC338	5'-6" x 8'-3"	#7 @ 5"	6'-0"	E SC334	1 SD314

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:09am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC331.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: A. ROSALES
CADD FILENAME: 801SC331.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

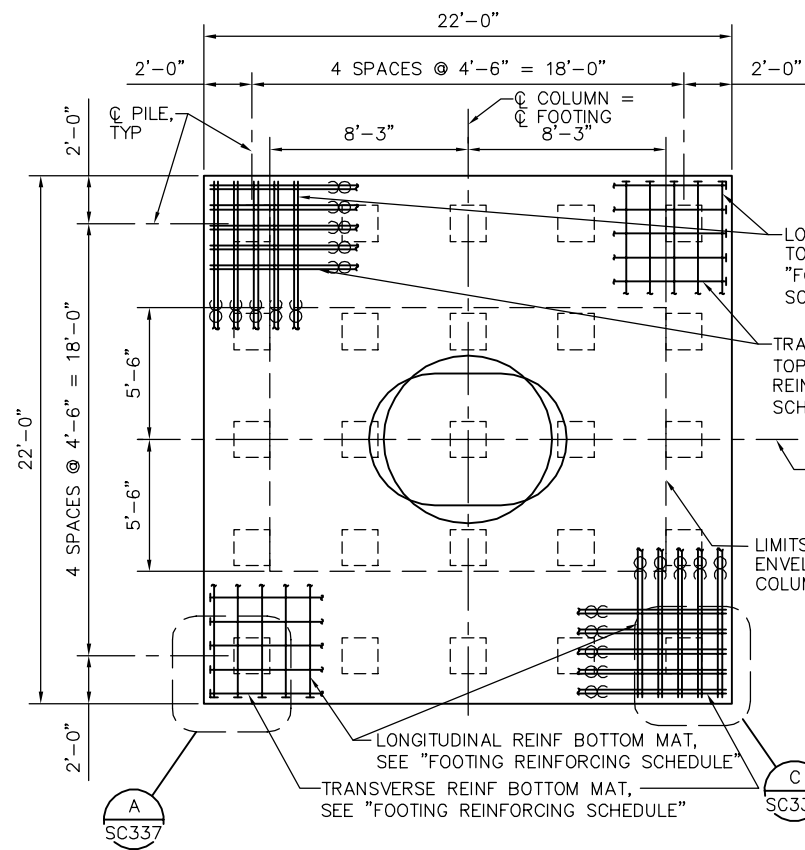
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

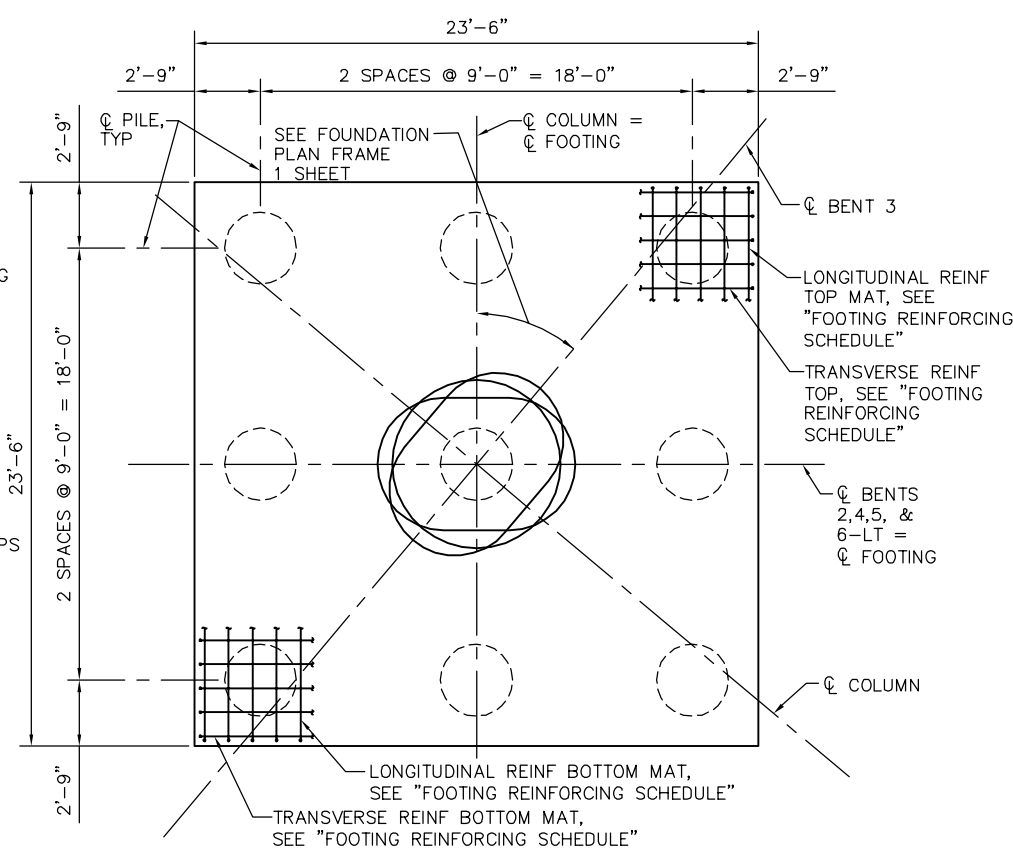
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY BENT DETAILS No. 26

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

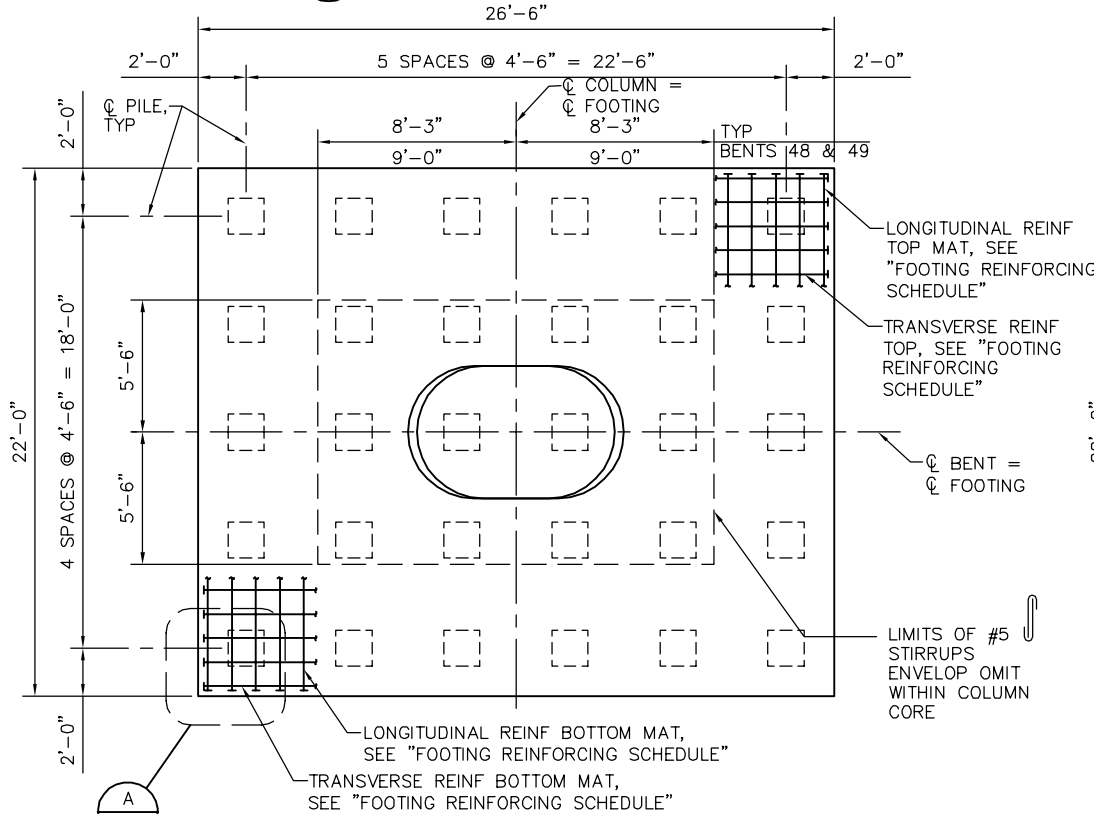
SHEET OF	SC331
DRAWING NO.	SC331
REVISION	B



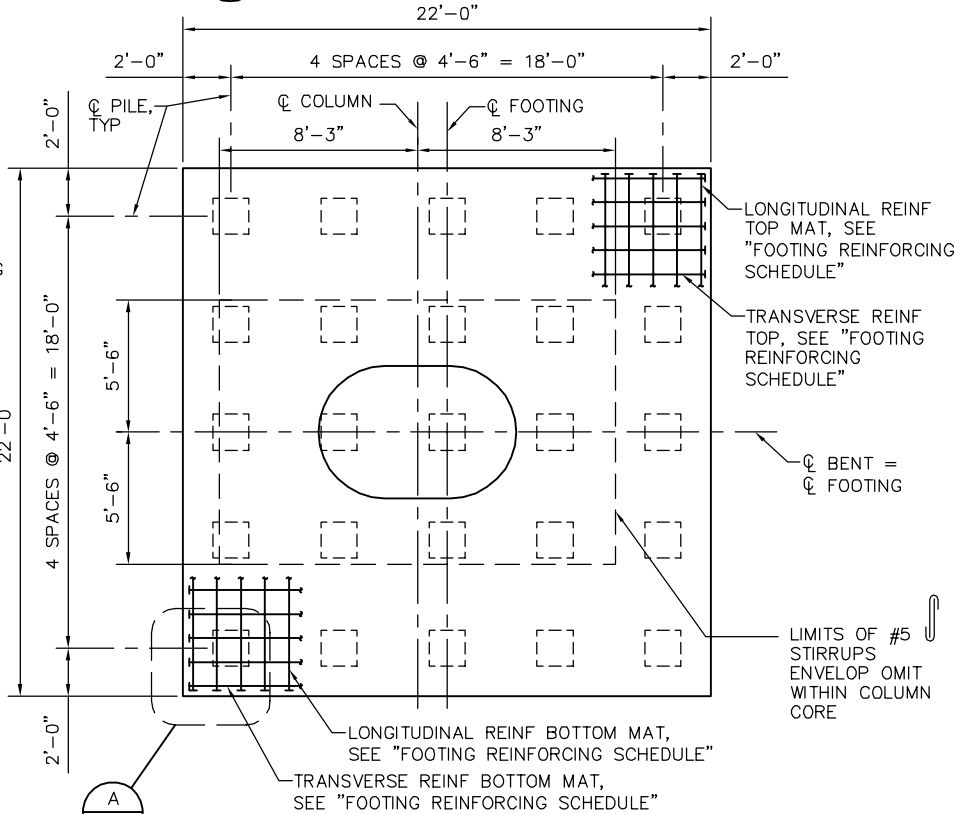
DETAIL A - FOOTING PLAN
1/4" = 1'-0"



DETAIL C - FOOTING PLAN
1/4" = 1'-0"



DETAIL B - FOOTING PLAN
1/4" = 1'-0"



DETAIL D - FOOTING PLAN
1/4" = 1'-0"

1. NO SPLICE PERMITTED IN FOOTING REINF.

- LEGEND
- [] INDICATES 18" PC/PS PILES
 - () INDICATES 36" CIDH PILES
 - ⊕ INDICATES BUNDLED BARS
 - ⊔ INDICATES T-HEADED BARS

DETAIL A - FOOTING REINFORCING SCHEDULE

BENT	BOTTOM MAT TRANSVERSE REINFORCEMENT	BOTTOM MAT LONGITUDINAL REINFORCEMENT	TOP MAT TRANSVERSE REINFORCEMENT	TOP MAT LONGITUDINAL REINFORCEMENT
65, 70	#10 ⊔ @ 9"	#11 ⊔ @ 9"	#7 ⊔ @ 9"	#8 ⊔ @ 9"
8, 9, 10, 11	#11 ⊔ @ 8"	#11 ⊔ @ 8"	#8 ⊔ @ 8"	#9 ⊔ @ 8"
6-RT	#10 ⊔ @ 9"	#10 ⊔ @ 9"	#7 ⊔ @ 9"	#7 ⊔ @ 9"
23 THRU 39, 56, 57, 60, 61	#10 ⊔ @ 9"	#11 ⊔ @ 9"	#8 ⊔ @ 9"	#8 ⊔ @ 9"
44	#11 ⊔ @ 9"	#11 ⊔ @ 9"	#9 ⊔ @ 9"	#9 ⊔ @ 9"
55, 59, 64	#11 ⊔ @ 9"	#9 ⊔ @ 9"	#8 ⊔ @ 9"	#10 ⊔ @ 9"
62, 63	#11 ⊔ @ 9"	#9 ⊔ @ 9"	#10 ⊔ @ 9"	#10 ⊔ @ 9"
66	#11 ⊔ @ 9"	#9 ⊔ @ 9"	#9 ⊔ @ 9"	#10 ⊔ @ 9"
68-LT, 68-RT, 69-LT, 69-RT	#10 ⊔ @ 9"	#10 ⊔ @ 9"	#8 ⊔ @ 9"	#8 ⊔ @ 9"
72	#9 ⊔ @ 9"	#9 ⊔ @ 9"	#9 ⊔ @ 9"	#10 ⊔ @ 9"

DETAIL B - FOOTING REINFORCING SCHEDULE

BENT	BOTTOM MAT TRANSVERSE REINFORCEMENT	BOTTOM MAT LONGITUDINAL REINFORCEMENT	TOP MAT TRANSVERSE REINFORCEMENT	TOP MAT LONGITUDINAL REINFORCEMENT
48, 49	#10 ⊔ @ 8"	#9 ⊔ @ 8"	#11 ⊔ @ 8"	#10 ⊔ @ 8"
50	#11 ⊔ @ 8"	#10 ⊔ @ 8"	#9 ⊔ @ 8"	#9 ⊔ @ 8"
71	#11 ⊔ @ 8"	#9 ⊔ @ 8"	#11 ⊔ @ 8"	#10 ⊔ @ 8"
73	#11 ⊔ @ 8"	#10 ⊔ @ 8"	#9 ⊔ @ 8"	#8 ⊔ @ 8"

DETAIL C - FOOTING REINFORCING SCHEDULE

BENT	BOTTOM MAT TRANSVERSE REINFORCEMENT	BOTTOM MAT LONGITUDINAL REINFORCEMENT	TOP MAT TRANSVERSE REINFORCEMENT	TOP MAT LONGITUDINAL REINFORCEMENT
2 THRU 5	#11 ⊔ @ 8"	#11 ⊔ @ 8"	#8 ⊔ @ 8"	#8 ⊔ @ 8"
6-LT	#11 ⊔ @ 9"	#10 ⊔ @ 9"	#8 ⊔ @ 9"	#7 ⊔ @ 9"

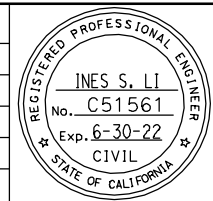
DETAIL D - FOOTING REINFORCING SCHEDULE

BENT	BOTTOM MAT TRANSVERSE REINFORCEMENT	BOTTOM MAT LONGITUDINAL REINFORCEMENT	TOP MAT TRANSVERSE REINFORCEMENT	TOP MAT LONGITUDINAL REINFORCEMENT
53	#11 ⊔ @ 9"	#11 ⊔ @ 9"	#9 ⊔ @ 9"	#9 ⊔ @ 9"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:09am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SC332.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC332.dwg

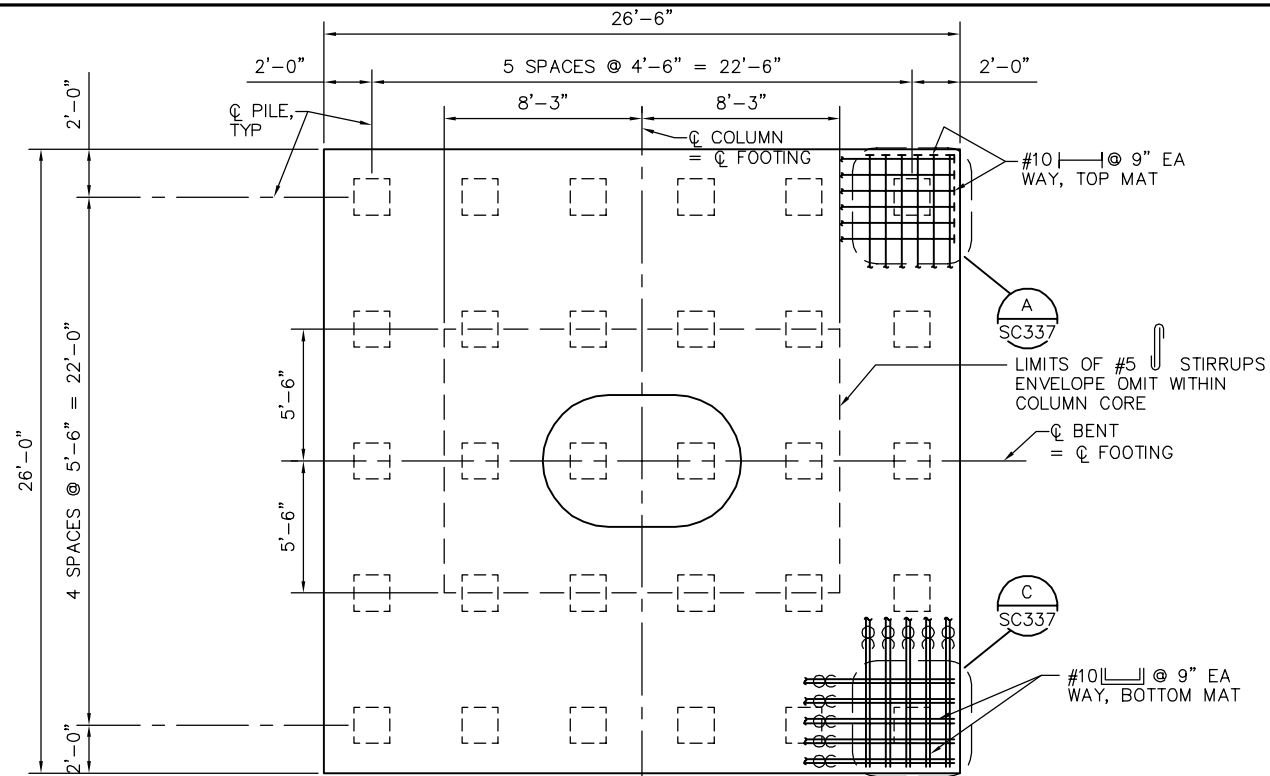
Santa Clara Valley Transportation Authority

APPROVED
BKF100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

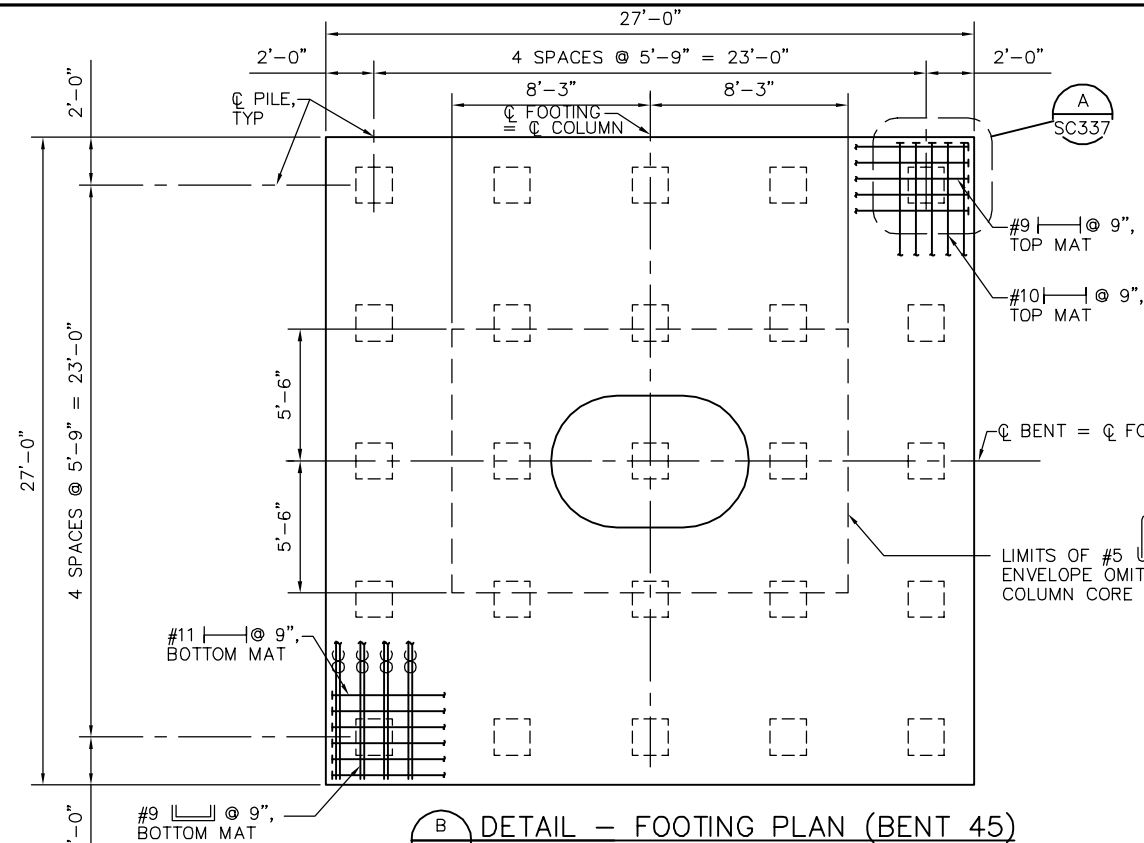
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOOTING DETAILS No. 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SC332
REVISION B



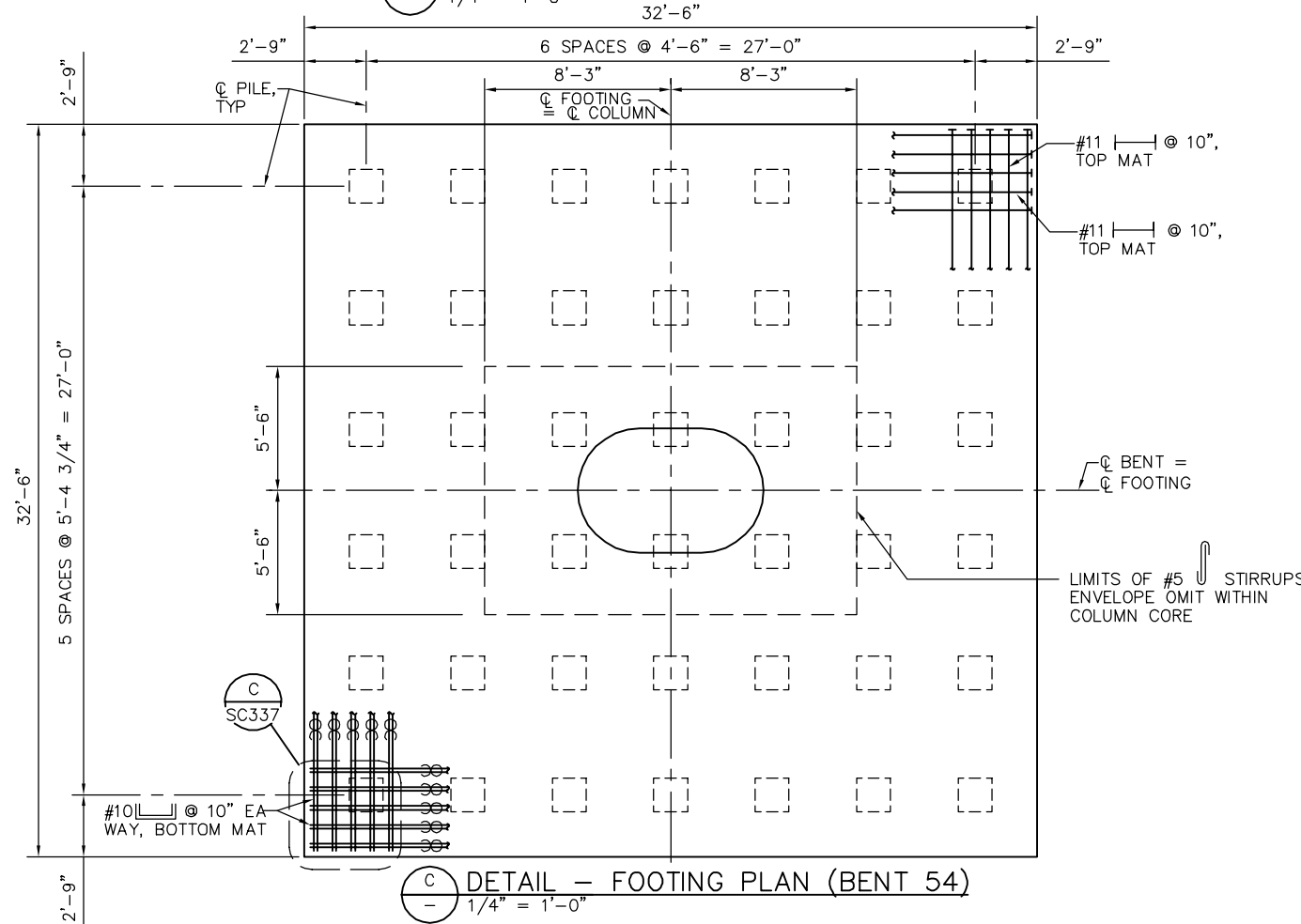
A DETAIL - FOOTING PLAN (BENT 40, 41 & 42)
 1/4" = 1'-0"



B DETAIL - FOOTING PLAN (BENT 45)
 1/4" = 1'-0"

NOTE:
 1. NO SPLICE PERMITTED IN FOOTING REINF.

LEGEND
 [] INDICATES PILES
 [] INDICATES BUNDLED BARS
 ——— INDICATES T-HEADED BARS

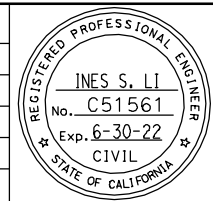


C DETAIL - FOOTING PLAN (BENT 54)
 1/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:09am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC333.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED
 D. CHAN

CHECKED
 D. DEVLIN

DRAWN
 S. HICKEY

CADD FILENAME
 801SC333.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 05/18/20

SCALE
 AS SHOWN

SUBMITTAL DATE
 06/29/20

BOARD APPROVAL DATE

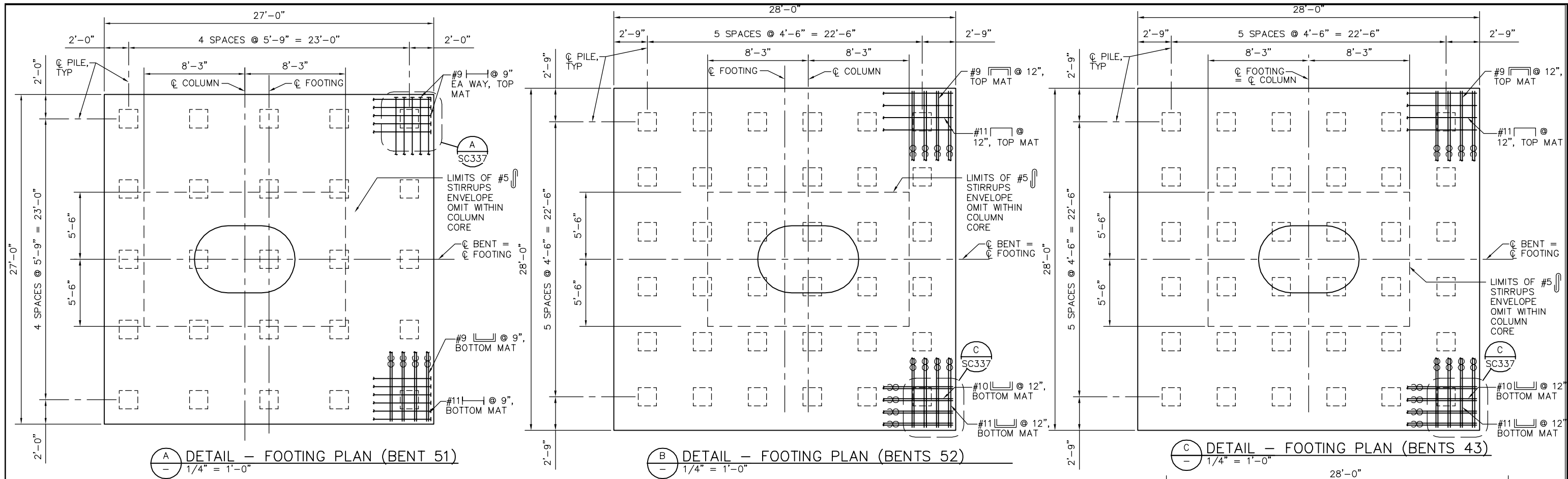
**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 FOOTING DETAILS No. 2**

PCA NO.
 000

CONTRACT NO.
 C801

FILE LOCATION
 PROJECTWISE

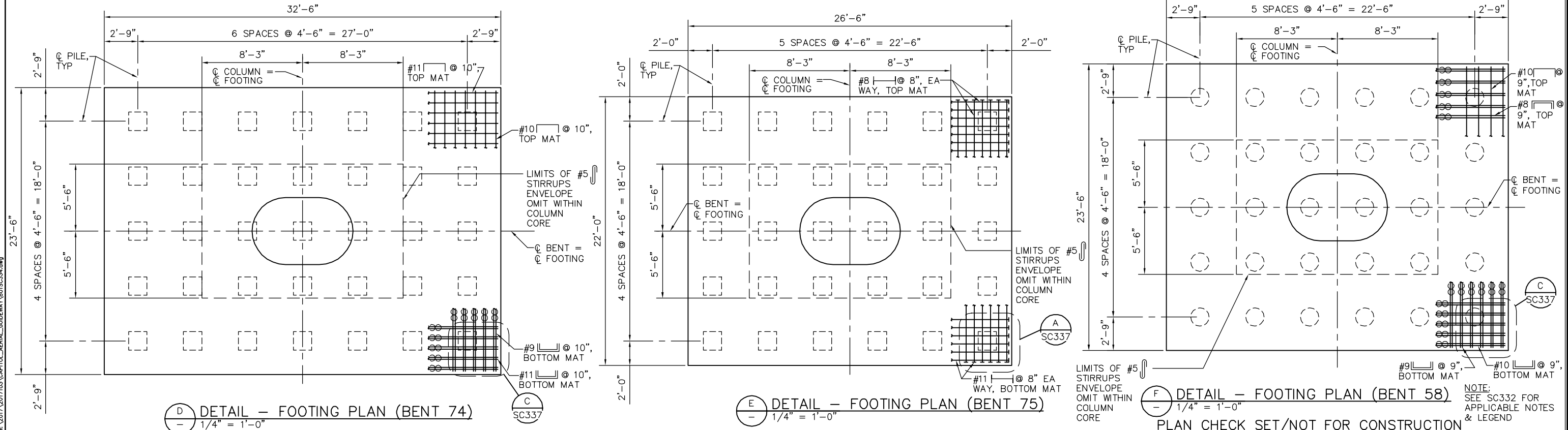
SHEET	OF
DRAWING NO. SC333	REVISION B



A DETAIL - FOOTING PLAN (BENT 51)
1/4" = 1'-0"

B DETAIL - FOOTING PLAN (BENTS 52)
1/4" = 1'-0"

C DETAIL - FOOTING PLAN (BENTS 43)
1/4" = 1'-0"



D DETAIL - FOOTING PLAN (BENT 74)
1/4" = 1'-0"

E DETAIL - FOOTING PLAN (BENT 75)
1/4" = 1'-0"

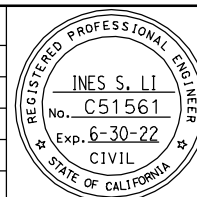
F DETAIL - FOOTING PLAN (BENT 58)
1/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

NOTE:
SEE SC332 FOR
APPLICABLE NOTES
& LEGEND

SMH Jun 21, 2020 - 10:09am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC334.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

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D. DEVLIN

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S. HICKEY

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801SC334.dwg

Santa Clara Valley Transportation Authority

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CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

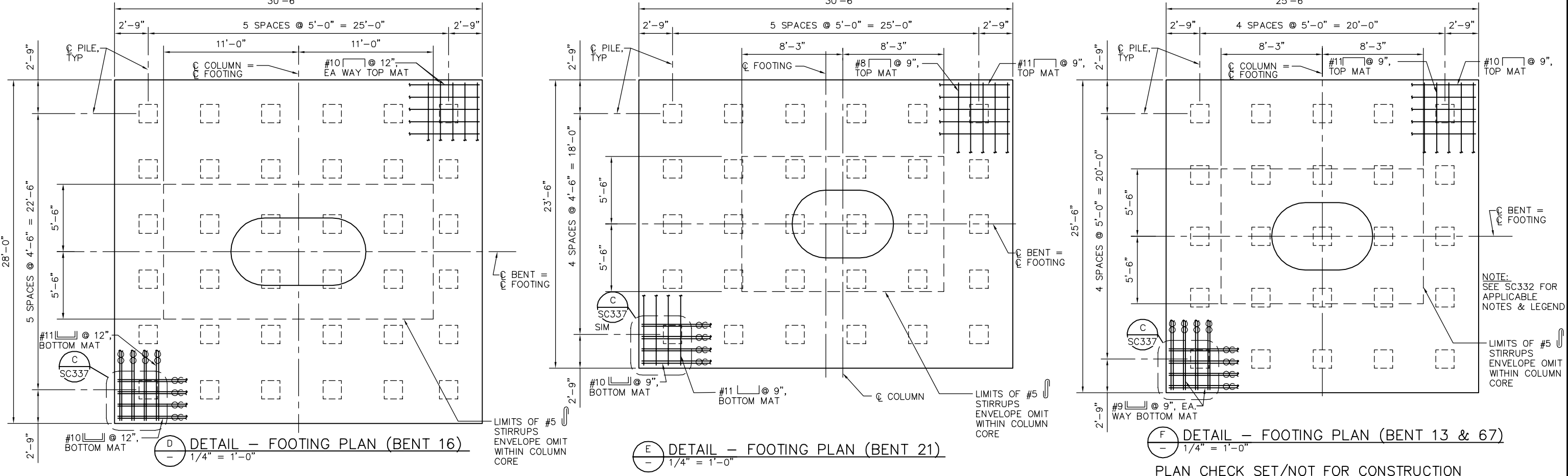
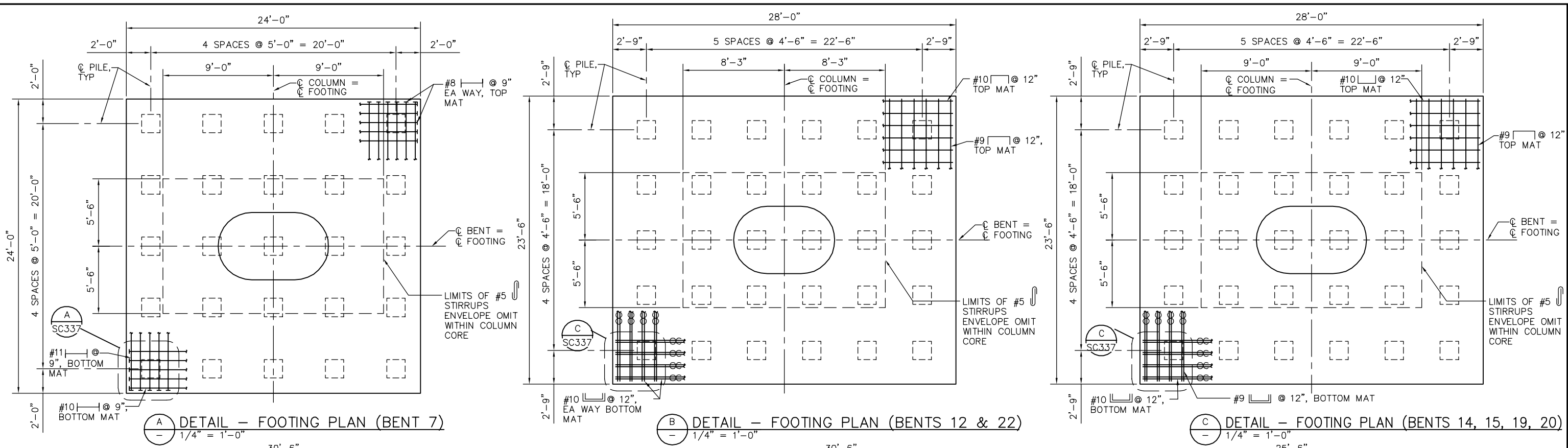
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOOTING DETAILS No. 3

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET
OF
DRAWING NO.
SC334
REVISION
B

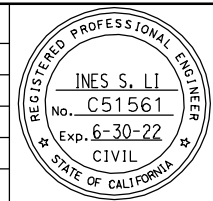


NOTE:
 SEE SC332 FOR
 APPLICABLE
 NOTES & LEGEND

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:10am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SC335.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SC335.dwg

Santa Clara Valley Transportation Authority

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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

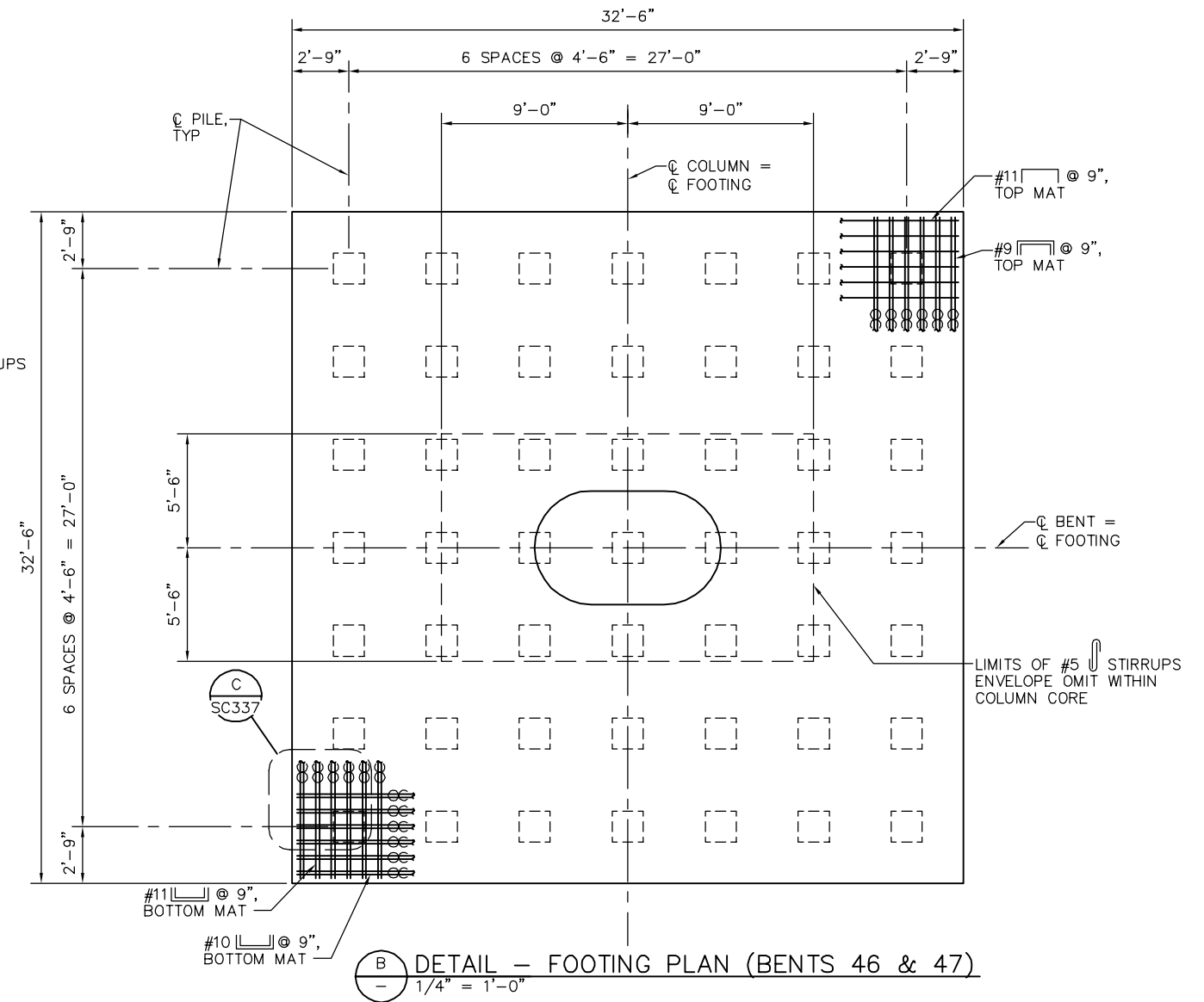
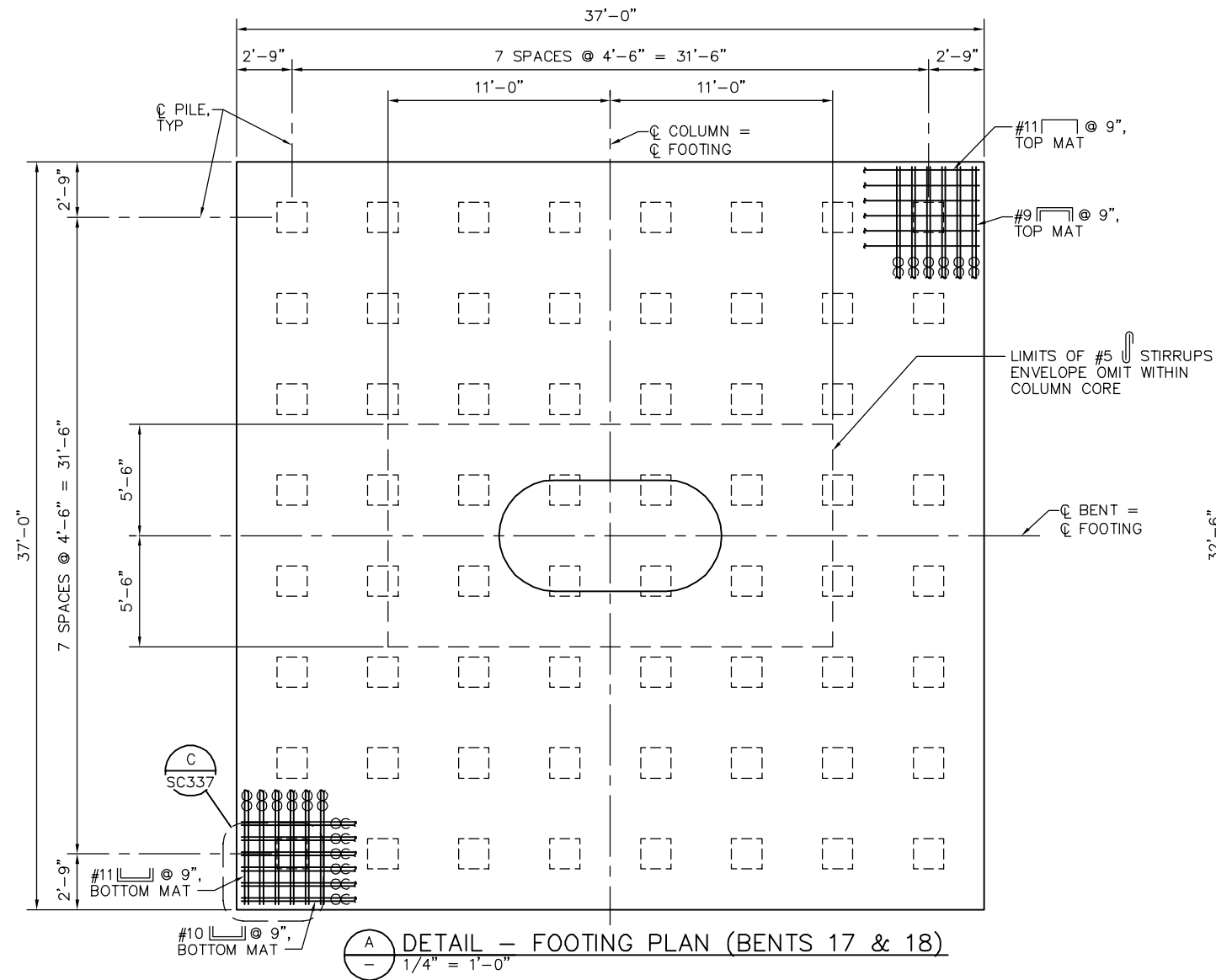
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 FOOTING DETAILS No. 4

PCA NO. **000**

CONTRACT NO. **C801**

FILE LOCATION
PROJECTWISE

SHEET OF
 DRAWING NO. **SC335**
 REVISION **B**



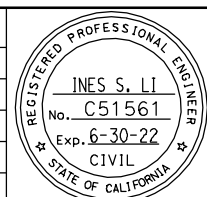
NOTE:
1. NO SPLICE PERMITTED IN FOOTING REINF.

LEGEND
 □ INDICATES PILES
 ⊞ INDICATES BUNDLED BARS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:10am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\01SC336.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SC336.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

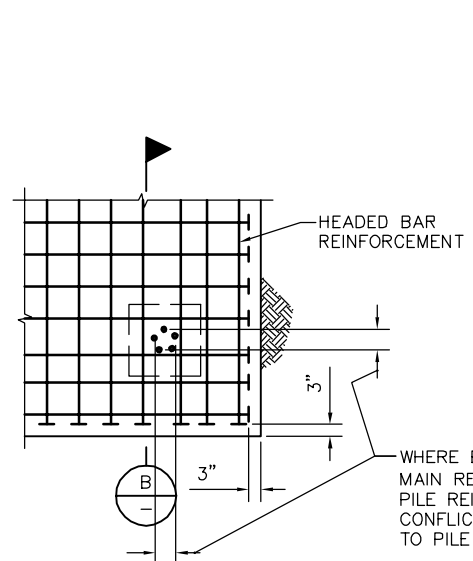
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOOTING DETAILS No. 5

PCA NO. 000

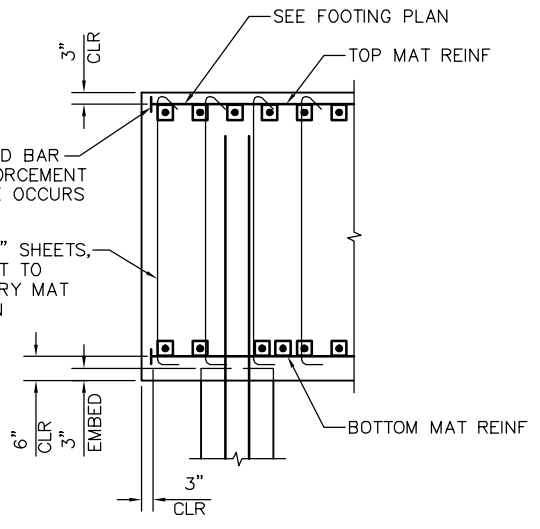
CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

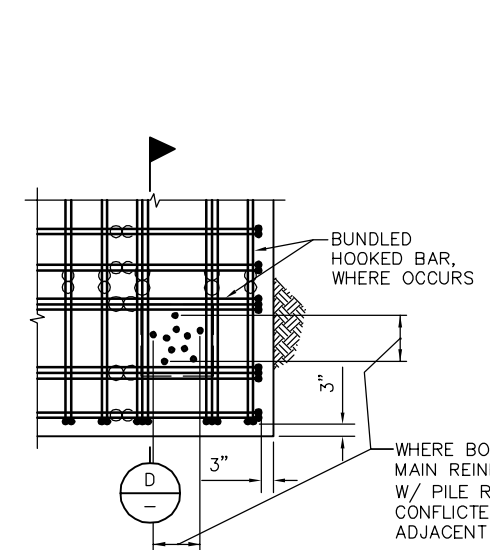
SHEET OF	
DRAWING NO.	SC336
REVISION	B



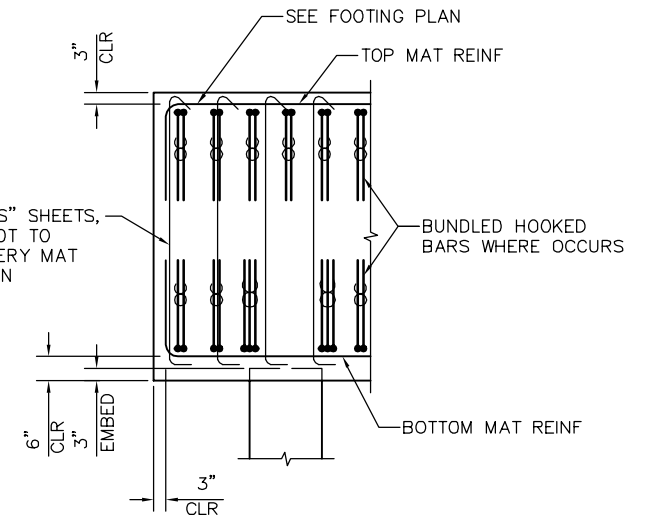
A FOOTING CORNER REINFORCEMENT PLAN
1/2" = 1'-0"



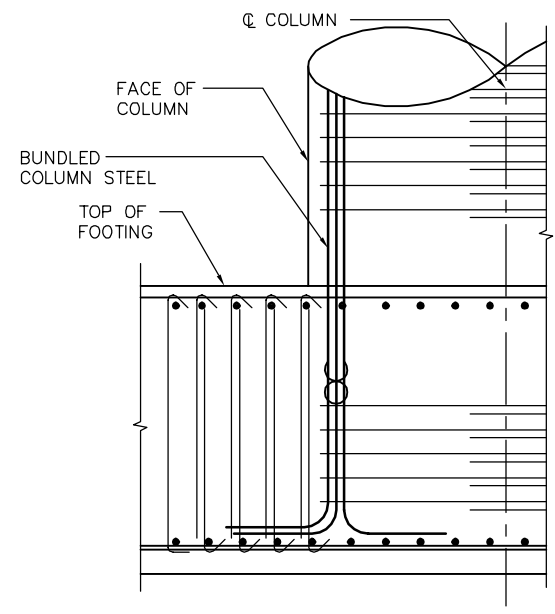
B FOOTING SIDE VIEW
1/2" = 1'-0"



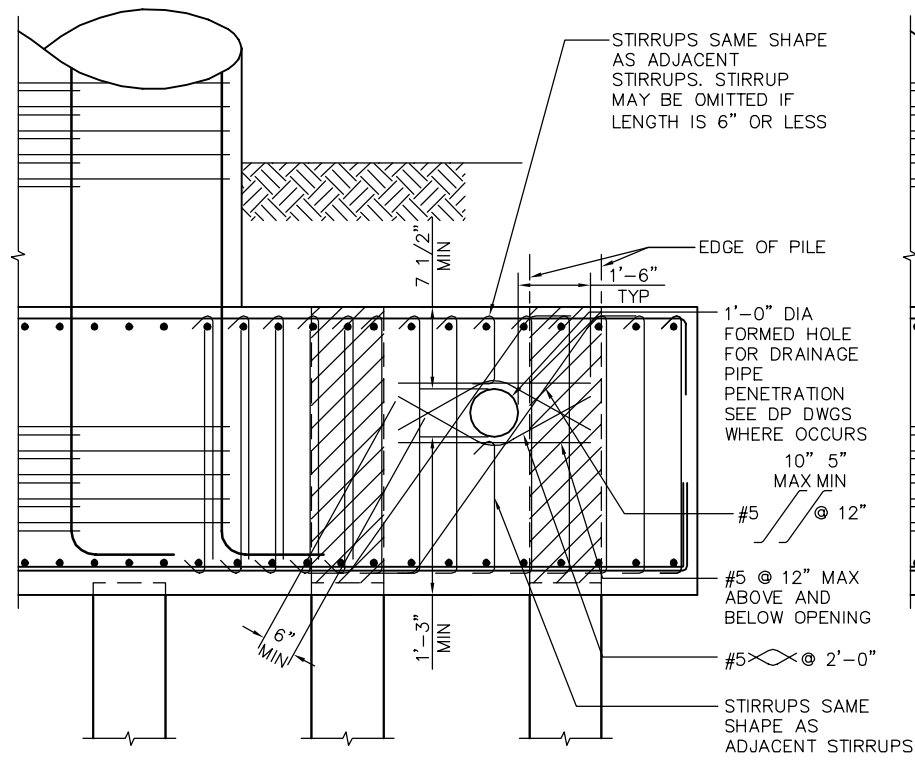
C FOOTING CORNER REINFORCEMENT PLAN
1/2" = 1'-0"



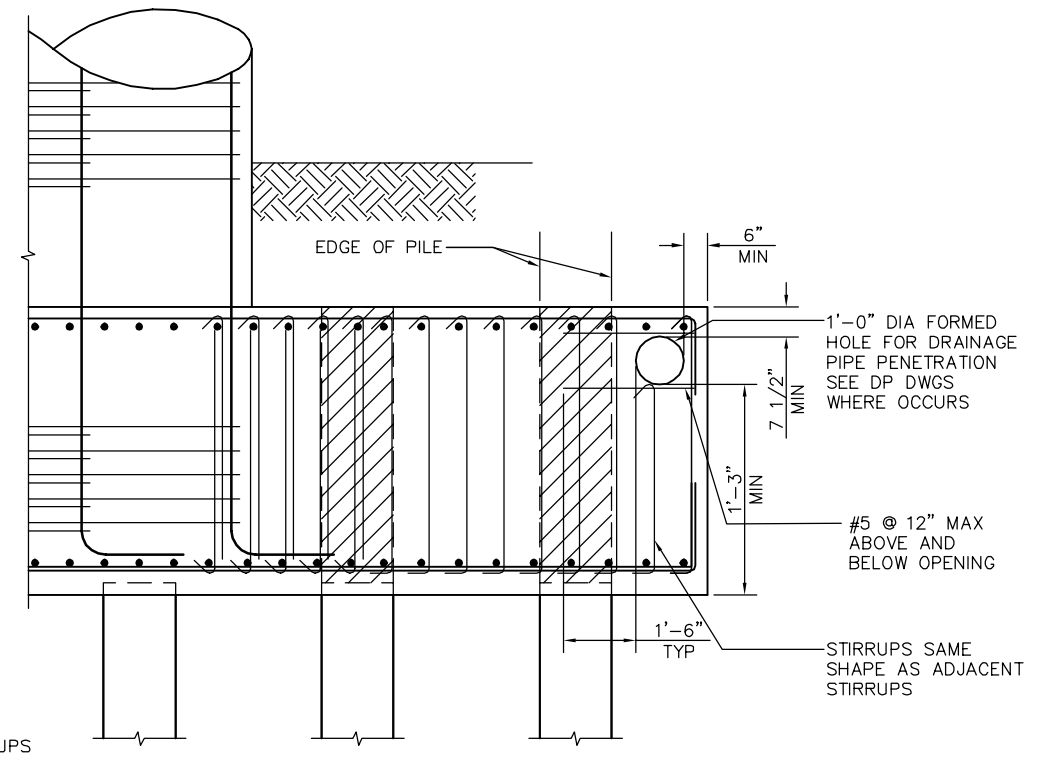
D FOOTING SIDE VIEW
1/2" = 1'-0"



E 3-BAR BUNDLE HOOK DETAIL
1/2" = 1'-0"



F DRAINAGE PIPE PENETRATION DETAIL
1/2" = 1'-0"



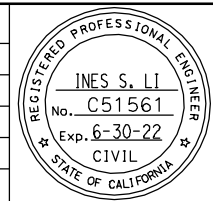
NOTE:
BENTS AFFECTED 9, 10, 11, 12, 14,
15, 39, & 41 CONFIRM WITH CP
DWGS.

LEGEND:
NO DRAINAGE PIPE
PENETRATION ALLOWED
WITHIN PILE ZONE, TYP

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:10am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SC337.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: A. ROSALES
CADD FILENAME: 801SC337.dwg



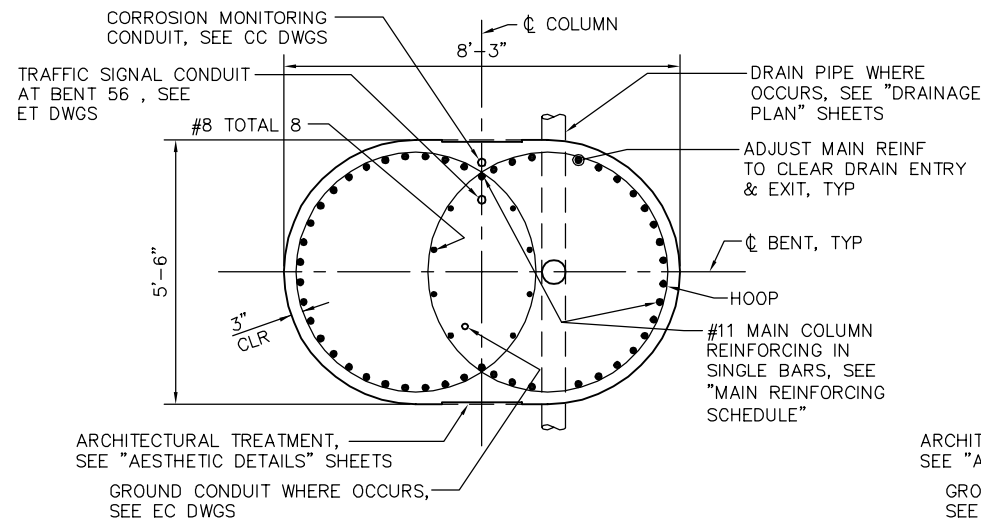
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

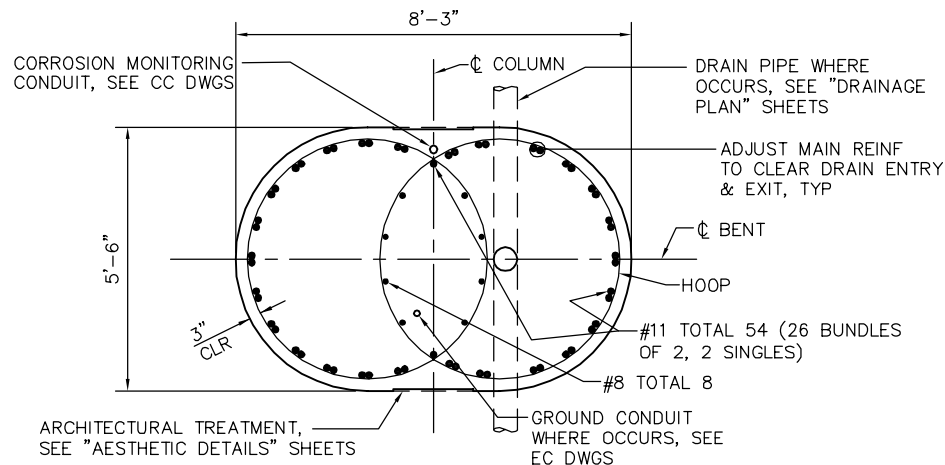
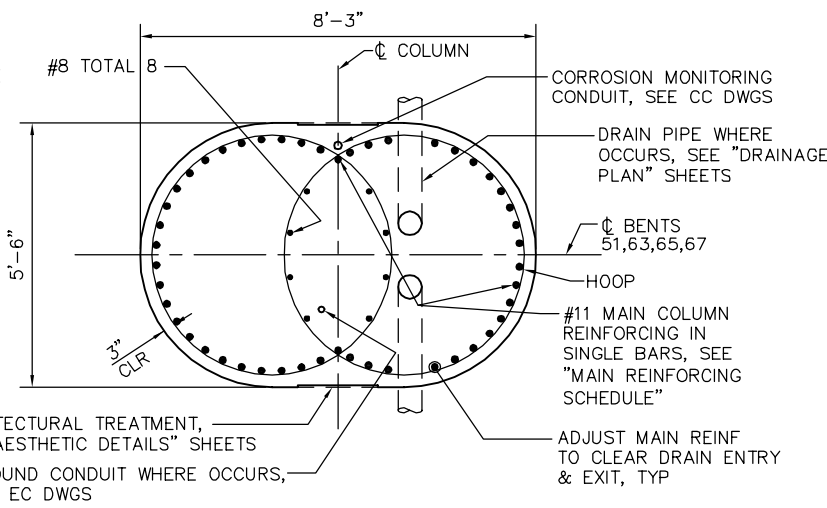
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
FOOTING DETAILS No. 6

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SC337
REVISION	B

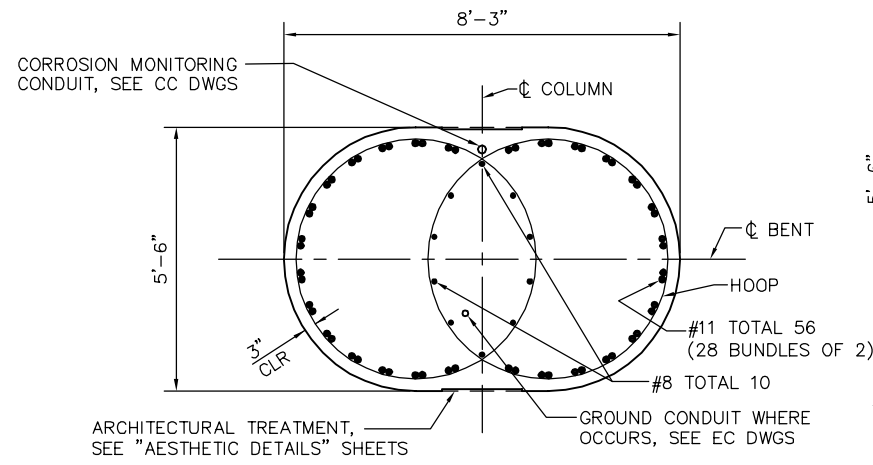


SECTION A
1/2" = 1'-0"



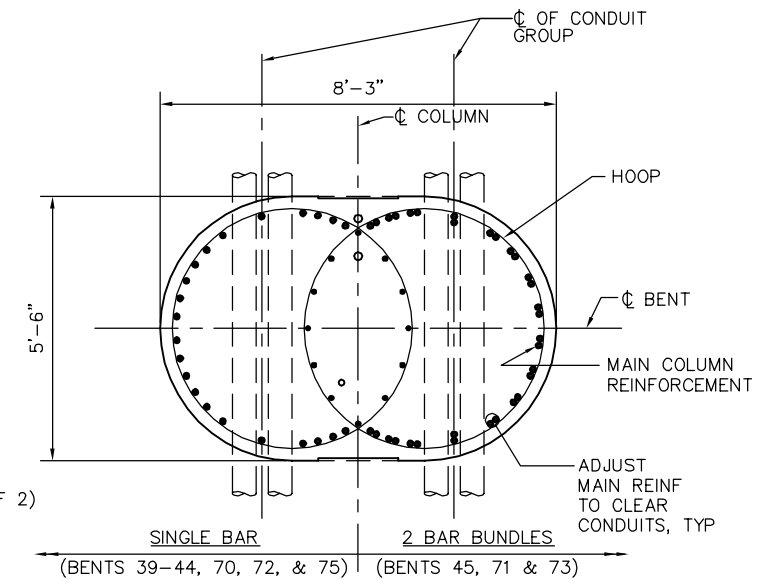
(BENTS 22, 45, 71, 73)

SECTION B
1/2" = 1'-0"



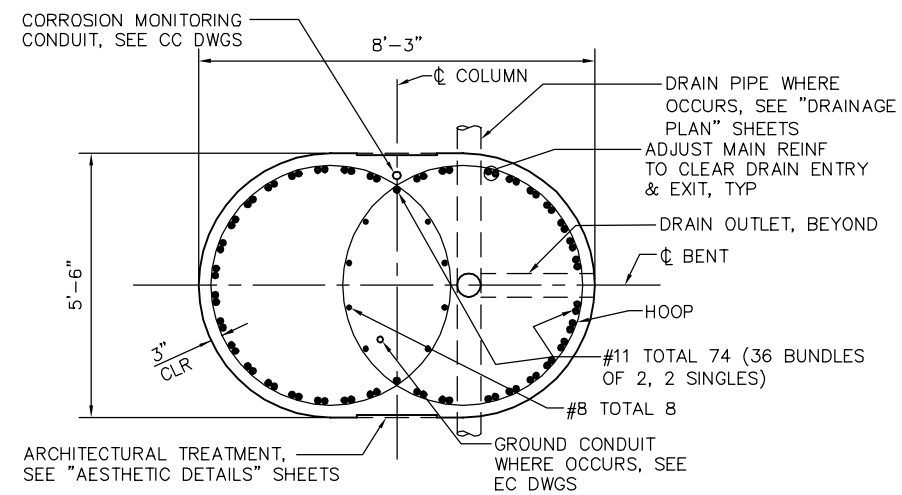
(BENTS 21, 54)

SECTION C
1/2" = 1'-0"



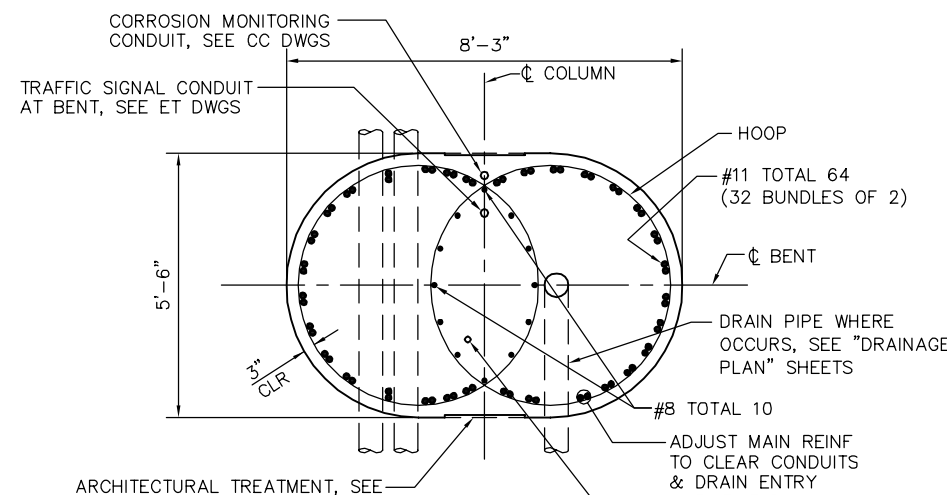
(@ BENT CAP TRACTION POWER CONDUITS OCCUR)

SECTION D
1/2" = 1'-0"



(BENT 52)

SECTION E
1/2" = 1'-0"



(BENT 74)

SECTION F
1/2" = 1'-0"

MAIN COLUMN REINFORCING SCHEDULE	
BENTS	TOTAL NUMBER OF SINGLE #11 BARS
23-29, 31-34, 39, 41, 62-66, 70	36
2, 3, 5, 9, 53, 72	38
13, 30, 35-38, 40, 42, 44, 55-61	40
67, 75	44
4, 8, 10, 11	48
12, 43, 50, 51	50

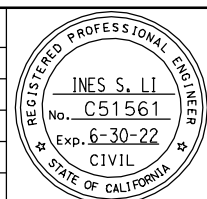
NOTES:

- ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES. SEE "BENT DETAILS" SHEETS FOR SIZE AND SPACING.
- NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
- FIELD ADJUST MAIN BARS TO PROVIDE CLEARANCE FOR DRAIN PIPE.
- FOR ARCHITECTURAL TREATMENT SEE "AESTHETIC DETAILS" SHEETS.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:11am W:\2017\103\CAPITOL_AERIAL_GUIDEWAY\801SC338.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC338.dwg



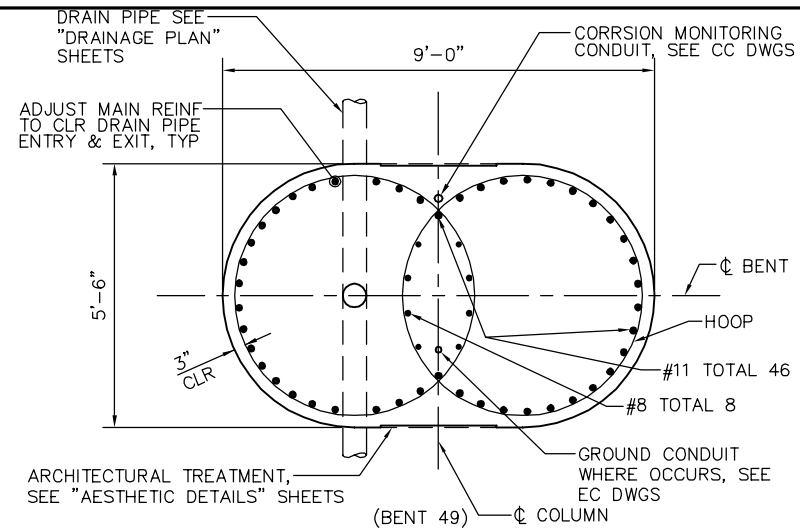
APPROVED
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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: 1/2" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

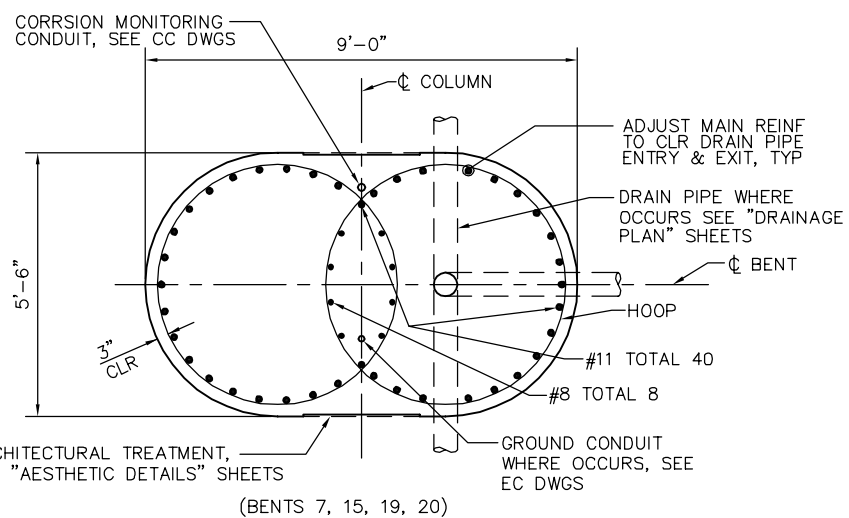
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
COLUMN DETAILS No. 1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

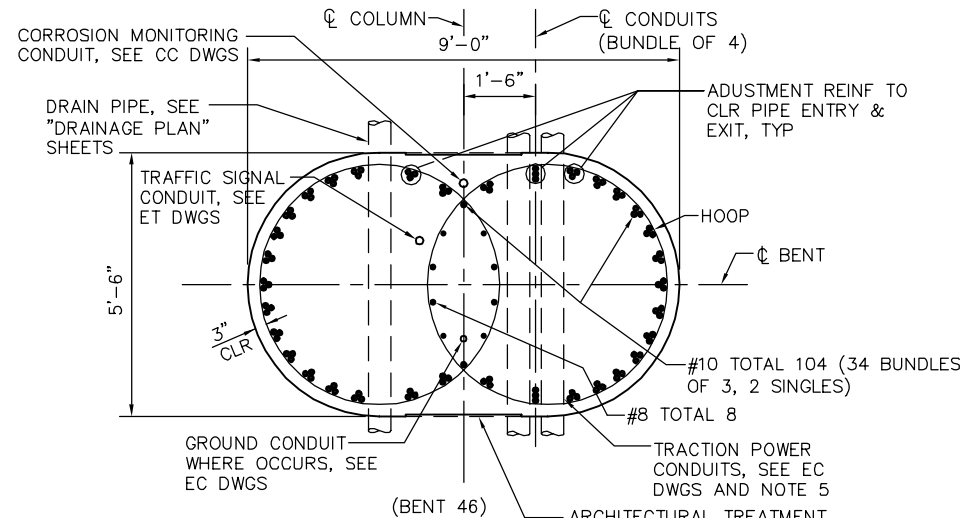
SHEET OF	
DRAWING NO.	SC338
REVISION	B



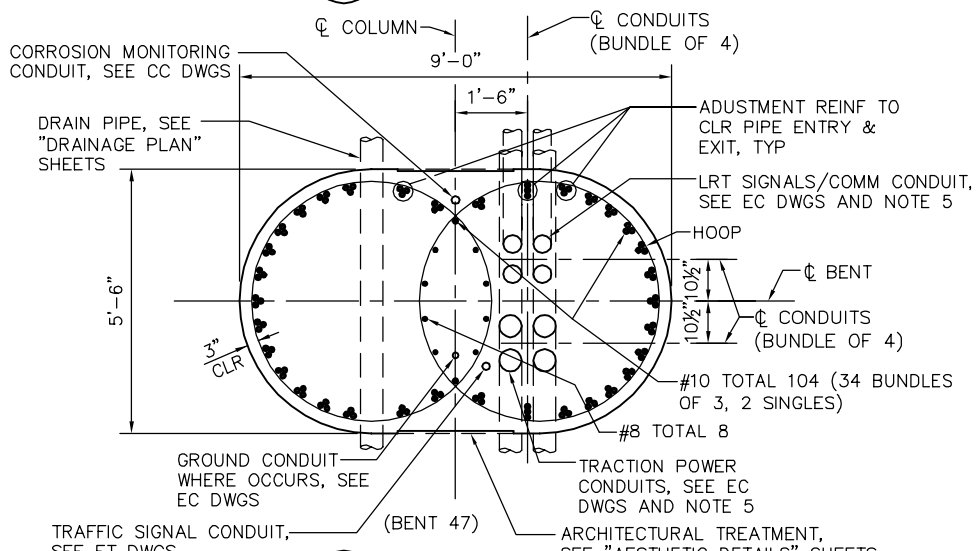
A SECTION
1/2" = 1'-0"



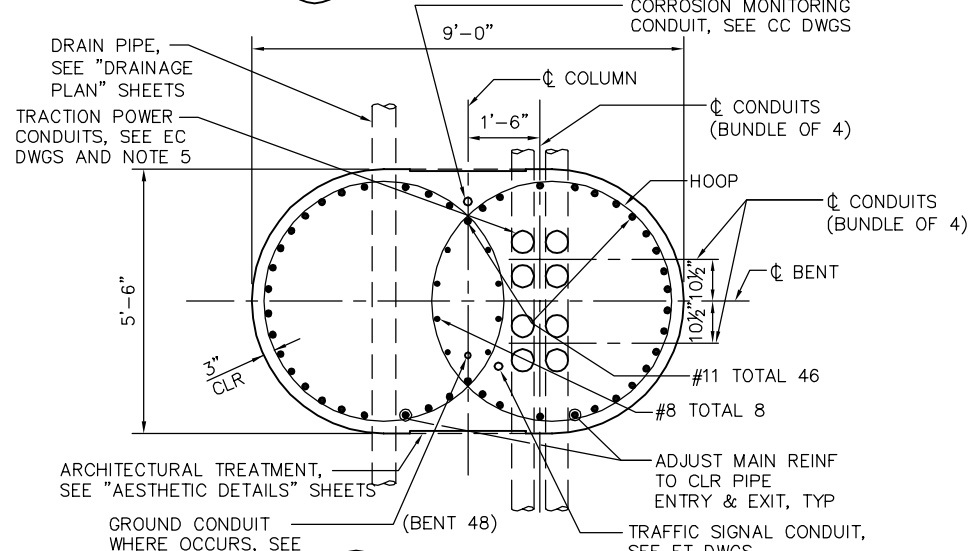
B SECTION
1/2" = 1'-0"



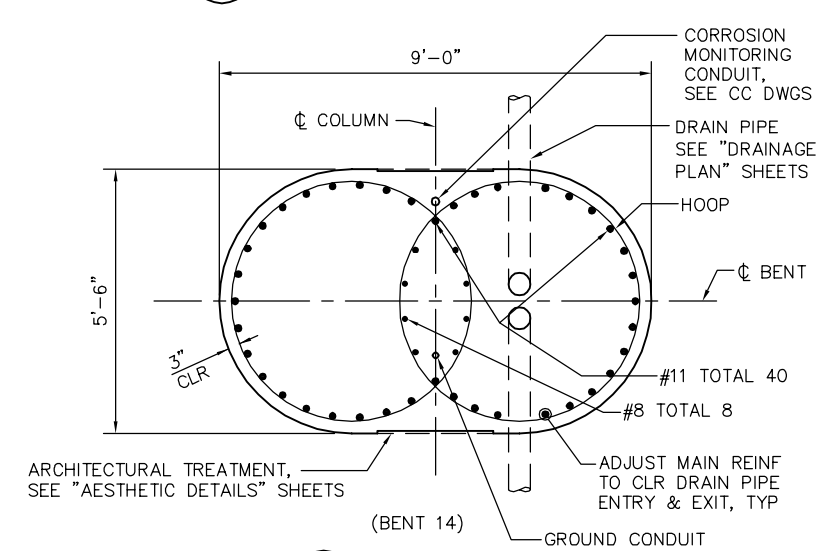
C SECTION
1/2" = 1'-0"



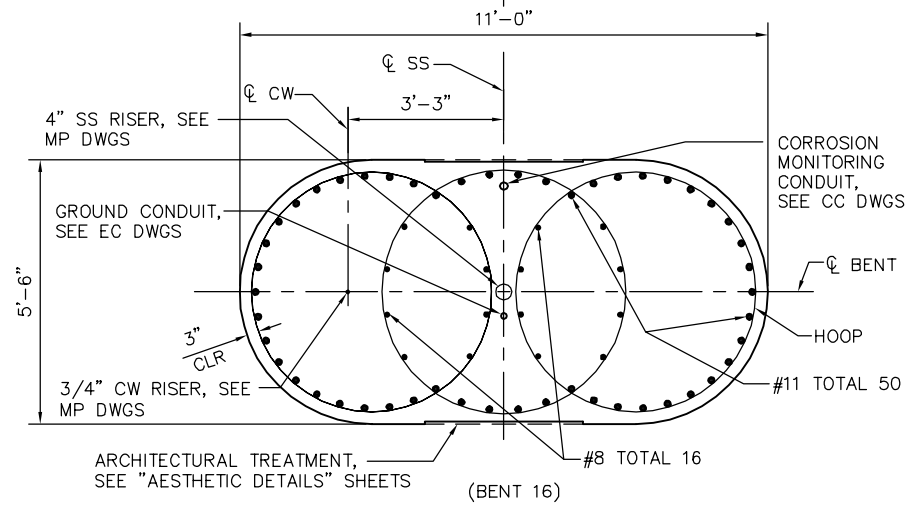
D SECTION
1/2" = 1'-0"



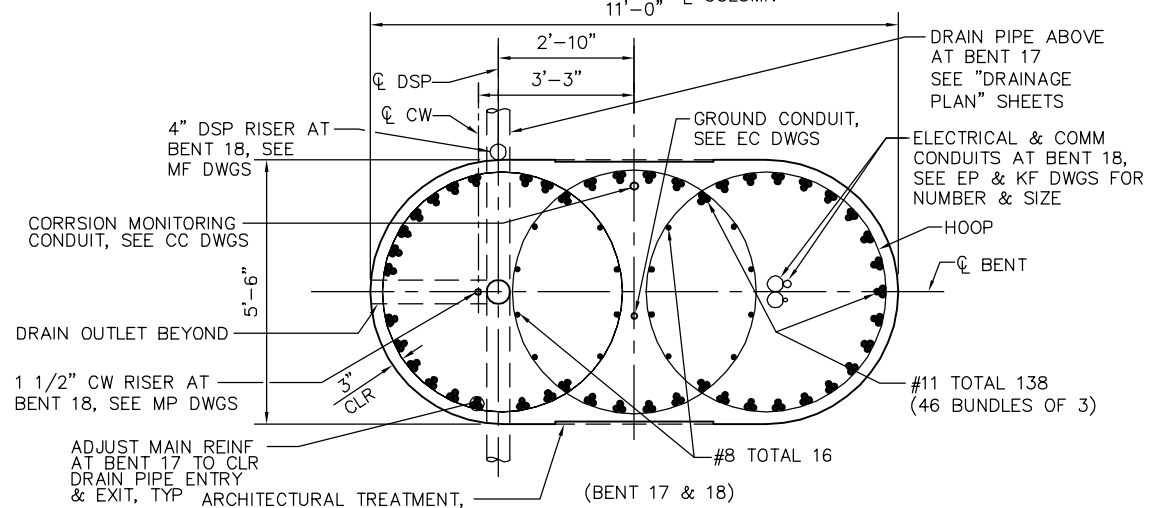
E SECTION
1/2" = 1'-0"



F SECTION
1/2" = 1'-0"



G SECTION
1/2" = 1'-0"



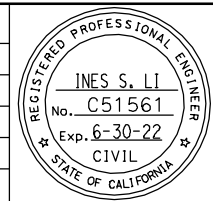
H SECTION
1/2" = 1'-0"

- NOTES:**
1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES. SEE "BENT DETAILS" SHEETS FOR SIZE AND SPACING.
 2. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
 3. FIELD ADJUST MAIN BARS TO PROVIDE CLEARANCE FOR DRAIN PIPE.
 4. FOR ARCHITECTURAL TREATMENT SEE "AESTHETIC DETAILS" SHEETS.
 5. PROVIDE 3" CLEARANCE BETWEEN CONDUIT AT 4-CONDUIT BUNDLES TYP.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:11am W:\2017\103\CAPITOL_AERIAL_GUIDEWAY\801SC339.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC339.dwg

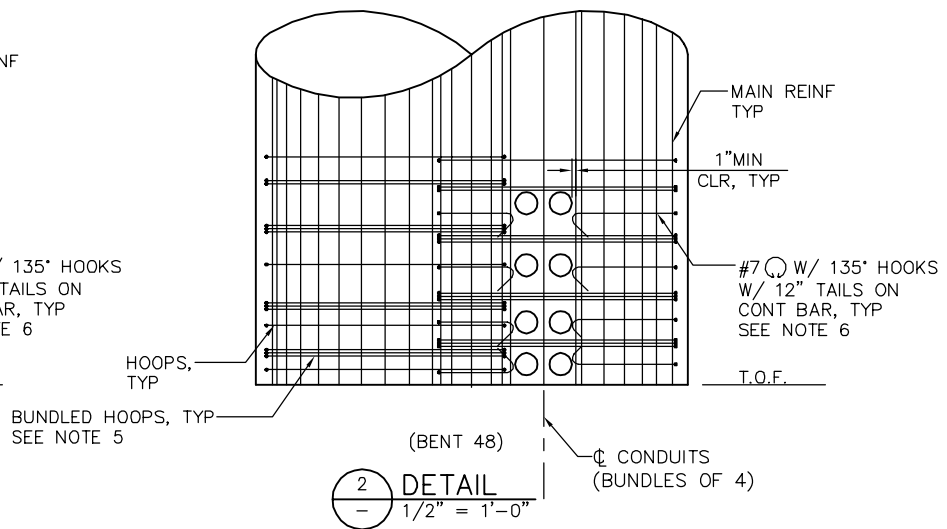
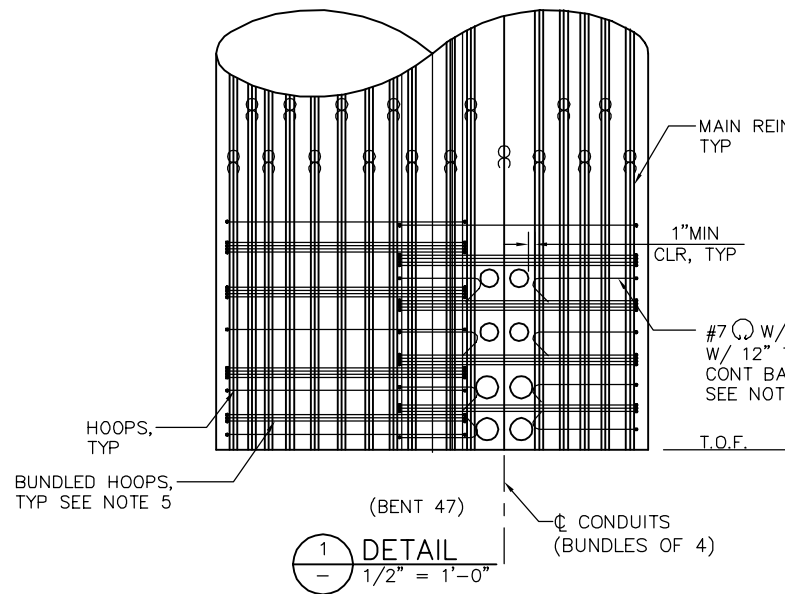
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILEDATE: 05/18/20
SCALE: 1/2" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
COLUMN DETAILS No. 2

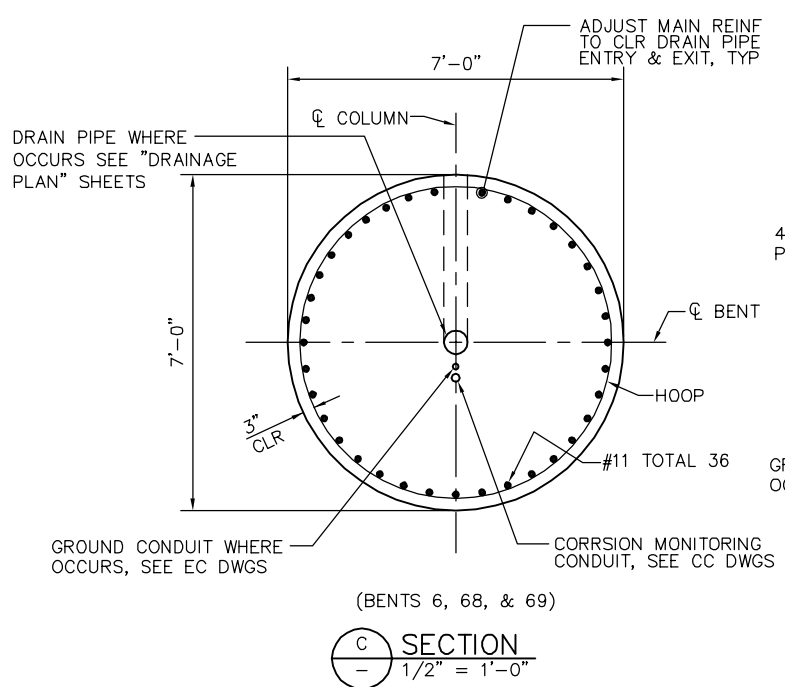
FILE LOCATION: PROJECTWISE

SHEET OF	SC339
DRAWING NO.	SC339
REVISION	B

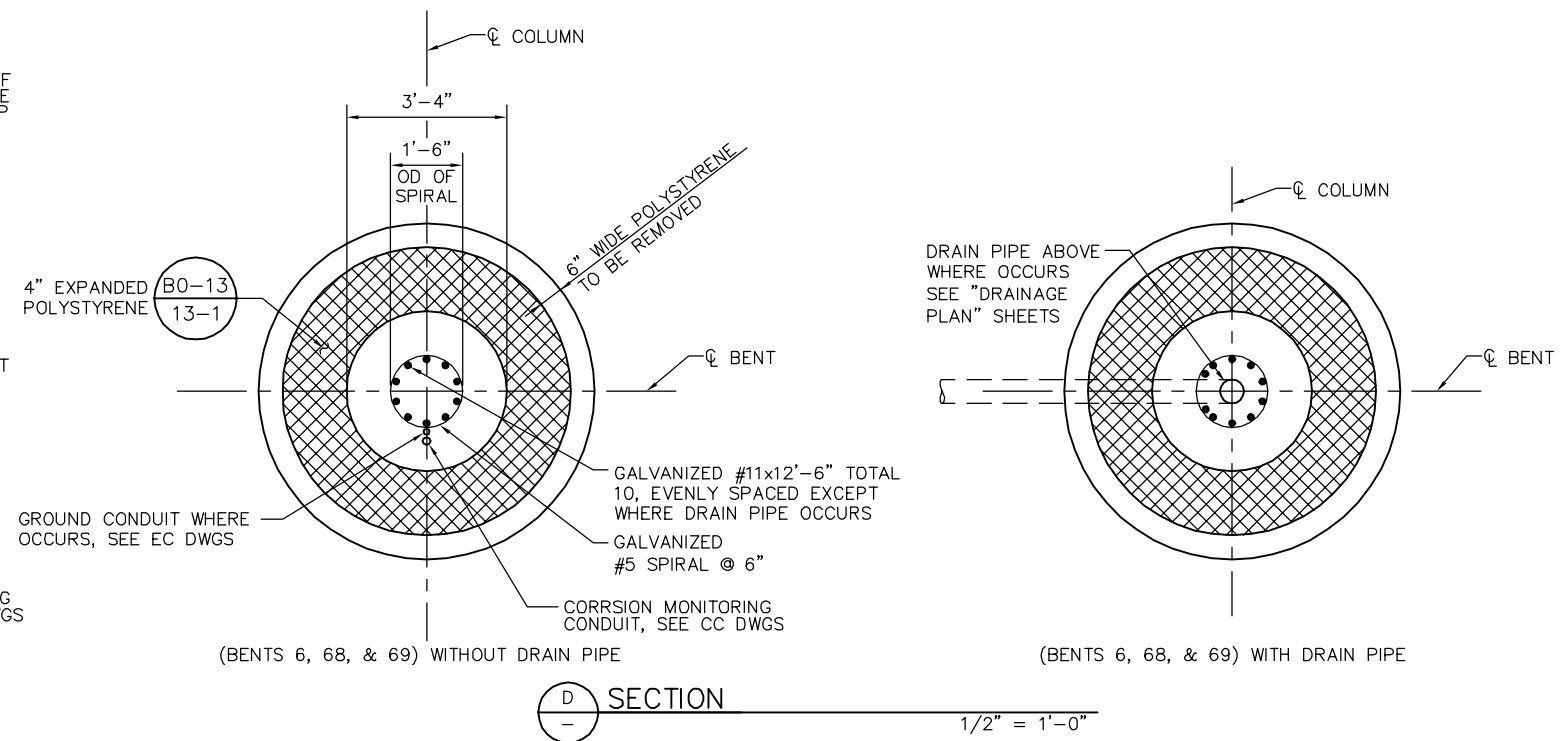


1
-
1/2" = 1'-0"

2
-
1/2" = 1'-0"



C
-
1/2" = 1'-0"



D
-
1/2" = 1'-0"

LEGEND

—○— INDICATES BUNDLED BARS

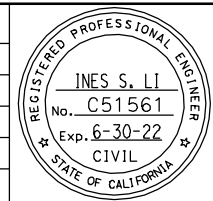
NOTES:

1. ALL COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES. SEE "BENT DETAILS" SHEETS FOR SIZE AND SPACING.
2. NO SPLICE PERMITTED IN MAIN COLUMN REINFORCING.
3. FIELD ADJUST MAIN BARS TO PROVIDE CLEARANCE FOR DRAIN PIPE.
4. FOR ARCHITECTURAL TREATMENT SEE "AESTHETIC DETAILS" SHEETS.
5. ADJUST COLUMN HOOPS AND BENT CAP SIDE FACE REINF AS REQUIRED TO CLEAR CONDUITS. PROVIDE AT LEAST ONE BUNDLE OF HOOPS BETWEEN EACH PAIR OF CONDUITS. BUNDLE HOOPS ABOVE AND BELOW CONDUITS TO ACCOMMODATE EQUIVALENT AREA OF STEEL.
6. USE PARTIAL COL HOOPS W/ 135° HOOKS ON EACH END IN BETWEEN BUNDLED HOOPS TO MAINTAIN 6" MAX HOOP SPACING FOR CONFINEMENT. LOCATE CONDUITS FOR MAXIMUM OF ONE PARTIAL HOOP PER CONDUIT PAIR.

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: A. ROSALES
CADD FILENAME: 801SC340.dwg



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BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1/2" = 1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
COLUMN DETAILS No. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

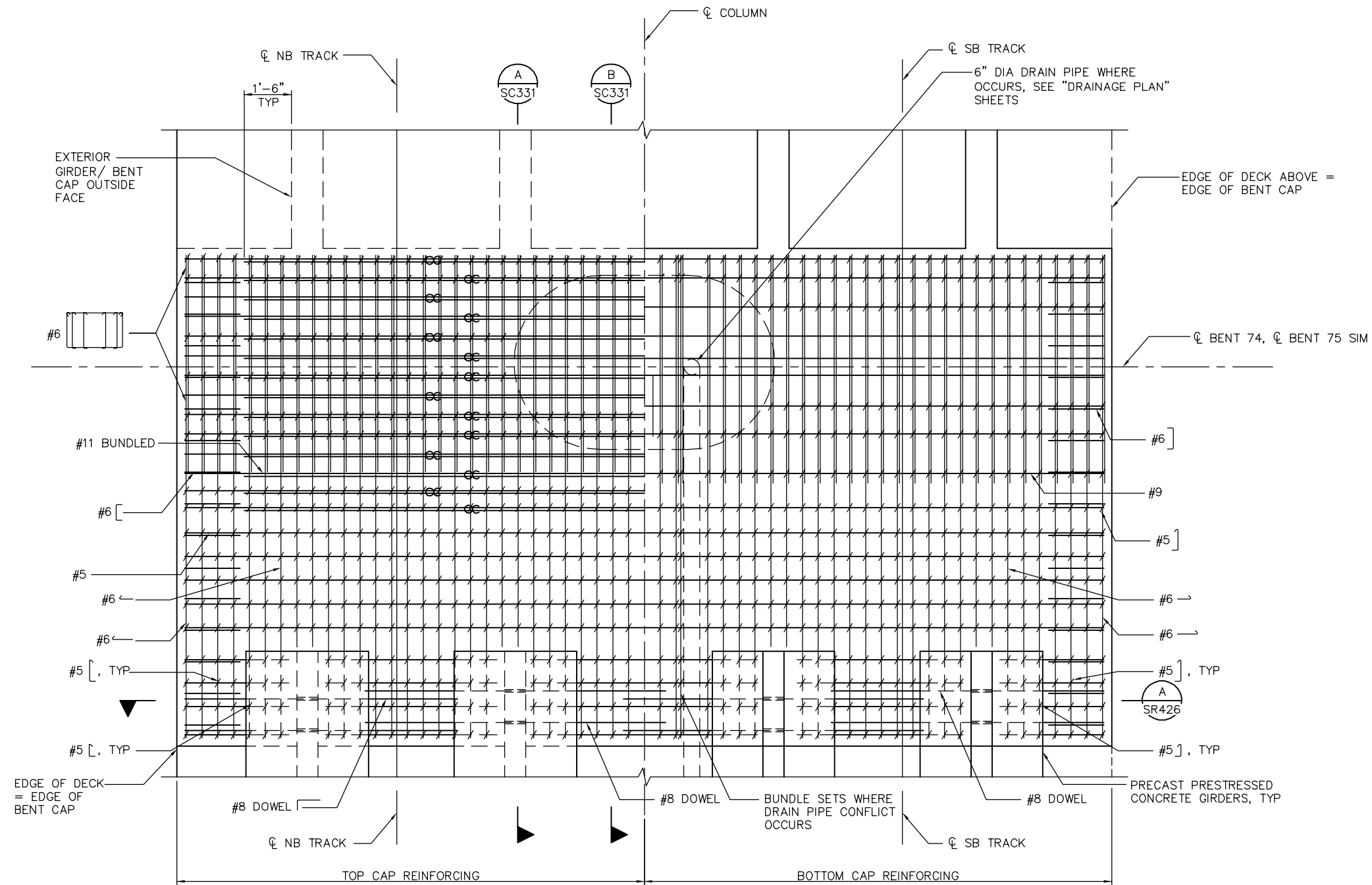
SHEET OF	DRAWING NO. SC340
REVISION	B

LEGEND

⊖⊖ INDICATES BUNDLED BARS

NOTES:

1. SEE "BENT DETAILS No. 26" SHEET FOR DETAILS NOT NOTED
2. FOR DECK REINFORCING NOT NOTED SEE "TYPICAL SECTION" SHEET.



1 BENT CAPS 74 & 75 REINFORCING PLAN
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION


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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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865 The Alameda
San Jose, California 95126
408-296-5515


DESIGNED: D. CHAN
DRAWN: A. ROSALES

CHECKED: D. DEVLIN
CADD FILENAME: 801SC331.dwg




Santa Clara Valley
Transportation
Authority

APPROVED



CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

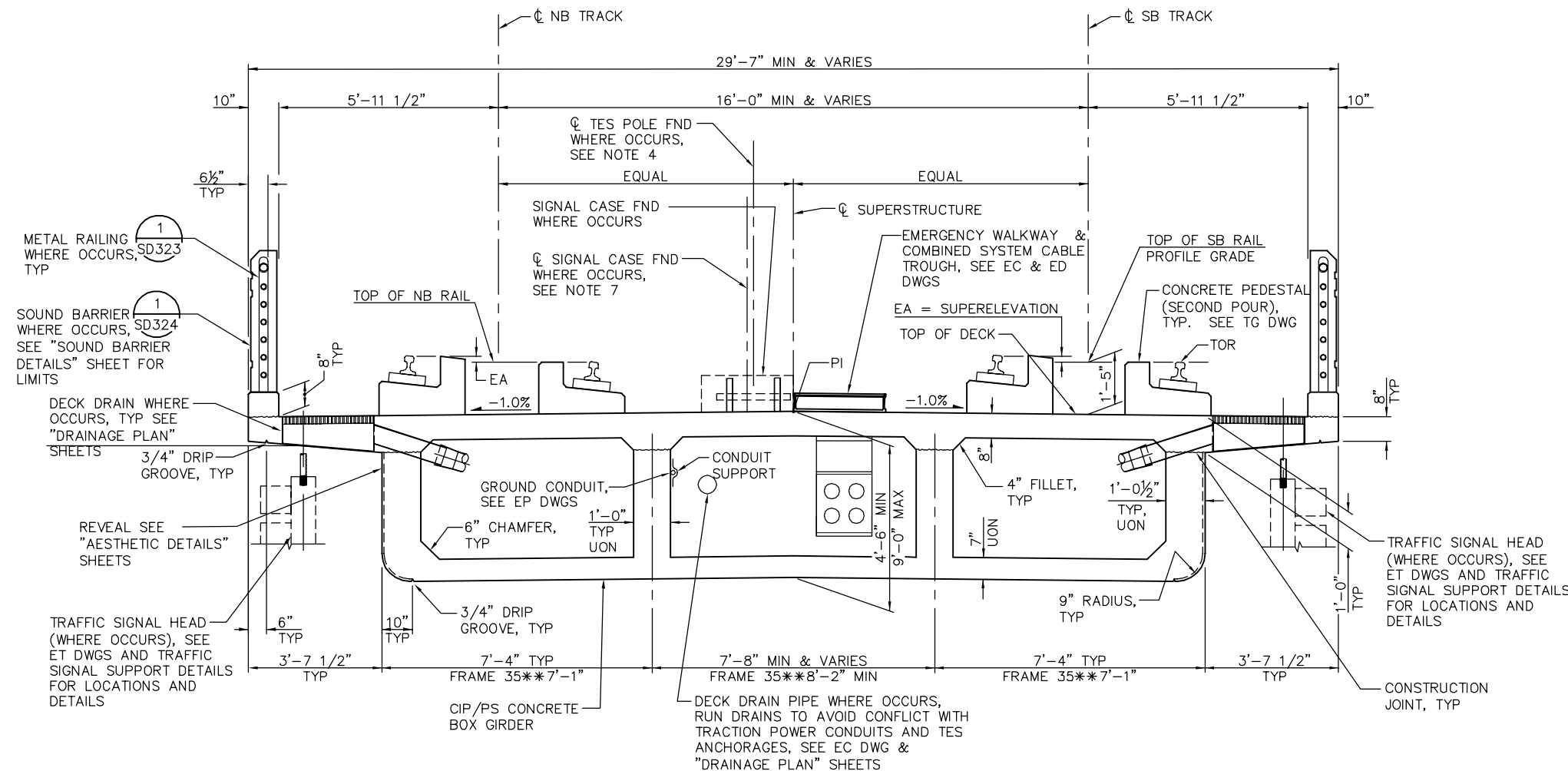
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BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
BENT CAP 74 & 75 REINF PLAN

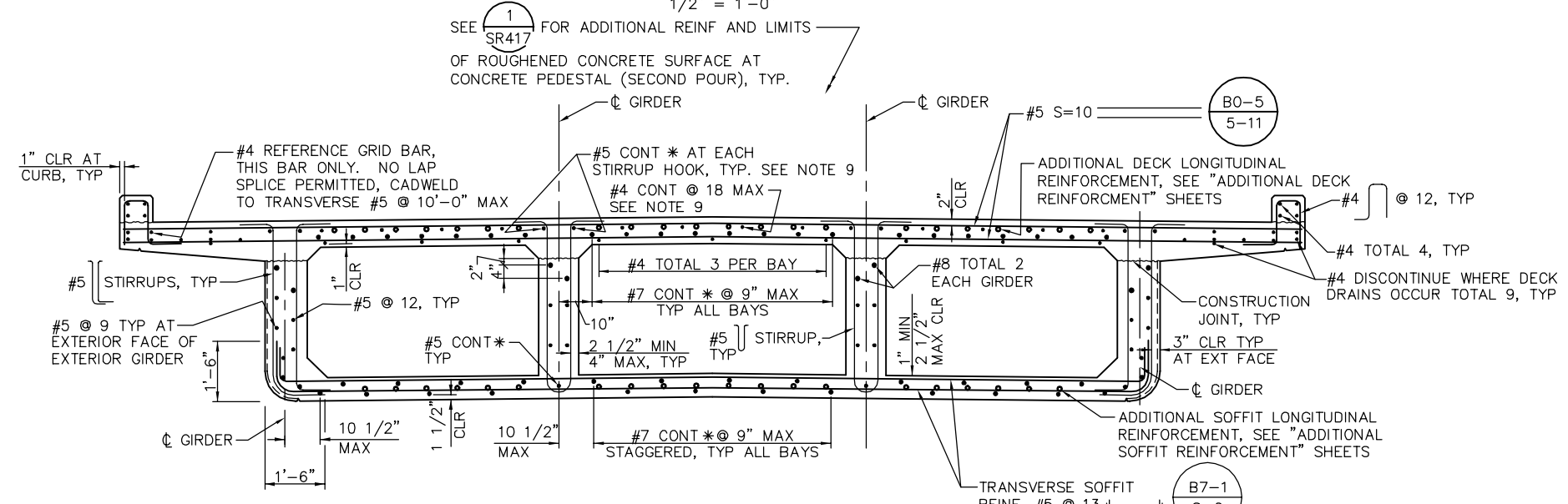
PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SC341
REVISION	A

- NOTES:
- ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACK CENTERLINE.
 - PI AT MID POINT BETWEEN SB & NB TRACKS.
 - FOR LIMITS AND DETAILS OF SOUND BARRIER, SEE "SOUND BARRIER DETAILS" SHEET.
 - SEE DWG PD301 FOR TES STRUCTURE LOCATION AND OFFSETS, SEE "TES FOUNDATION DETAILS" SHEETS FOR ANCHORAGE DETAILS.
 - CONT REINF IDENTIFIED BY * MUST BE SPLICED WITH "SERVICE LEVEL" SPLICES, STAGGERED AT 4'-0" MINIMUM. LAP SPLICES EQUAL TO TWO TIMES THE STANDARD LAP SPLICE MAY BE SUBSTITUTED FOR THE "SERVICES SPLICES". SEE "ADDITIONAL SOFFIT REINFORCING" & "ADDITIONAL DECK REINFORCING" SHEETS FOR LOCATIONS OF NO SPLICE ZONES.
 - FOR STIRRUP SPACING, SEE 'GIRDER LAYOUT' SHEETS.
 - SEE JP DWGS FOR SIGNAL CASE FOUNDATION LOCATION AND OFFSETS. SEE "SIGNAL FOUNDATION DETAILS" SHEETS FOR FOUNDATION DETAILS.
 - ** WITHIN FRAME 35 IS ONE PRECAST PRESTRESSED GIRDER SPAN. SEE "STRUCTURE PLAN - FRAME 35" SHEET.
 - PROVIDE AT LEAST ONE CONTINUOUS LONGITUDINAL REINFORCEMENT BAR AT TOP MAT OF DECK BENEATH EACH RAIL ALONG THE ENTIRE LENGTH OF GUIDEWAY. THE LONGITUDINAL CONTINUOUS BARS BENEATH RAILS MUST BE WELDED TO PROVIDE CONTINUITY AND MUST BE WELDED TO A COLLECTOR BAR (A TOP MAT TRANSVERSE REINFORCING BAR) AT EACH HINGE AND BENT LOCATION. SEE CC DWGS.



TYPICAL SECTION - FRAMES 1-5, 11-35**

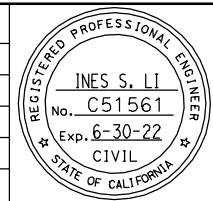


TYPICAL SECTION REINFORCEMENT-FRAMES 1-5, 11-35**

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C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR301



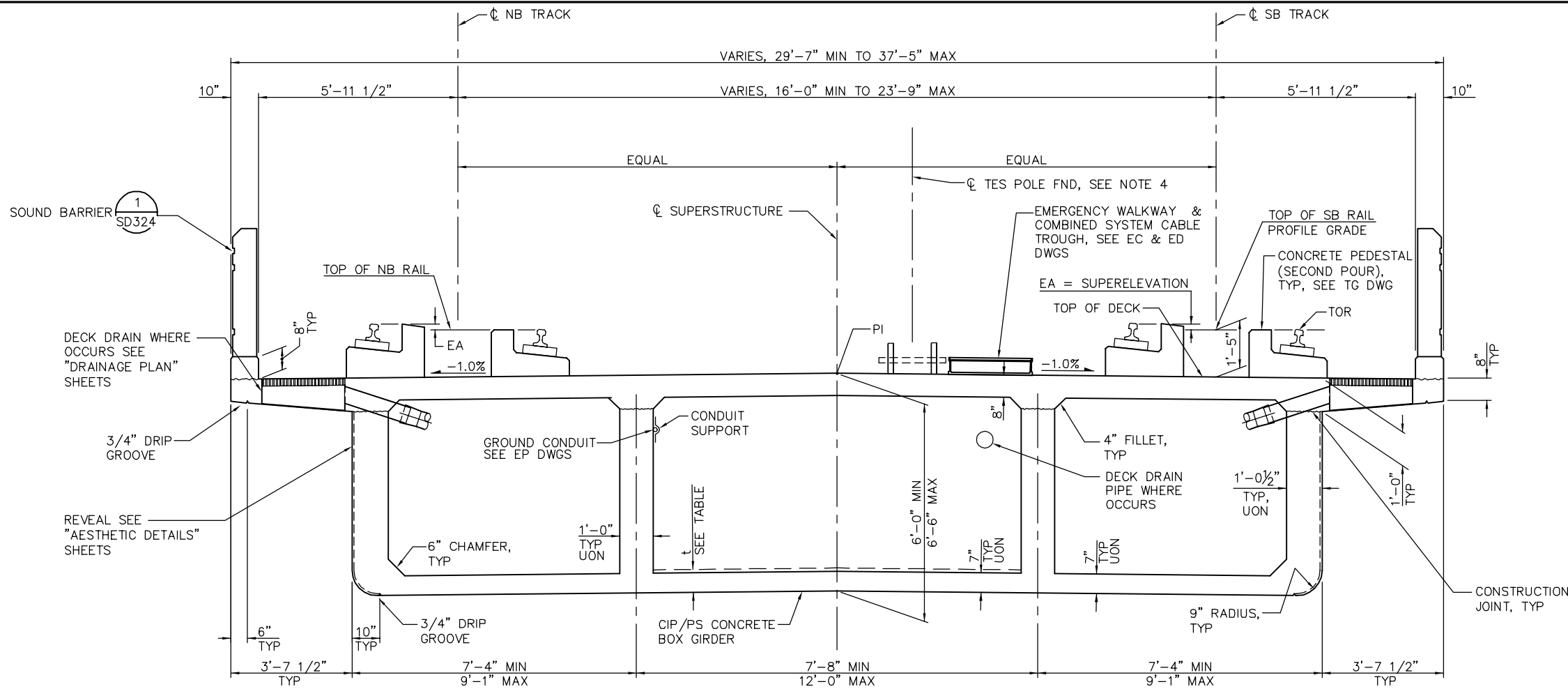
APPROVED
BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1/2" = 1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TYPICAL SECTION No. 1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO.	SR301
REVISION	C

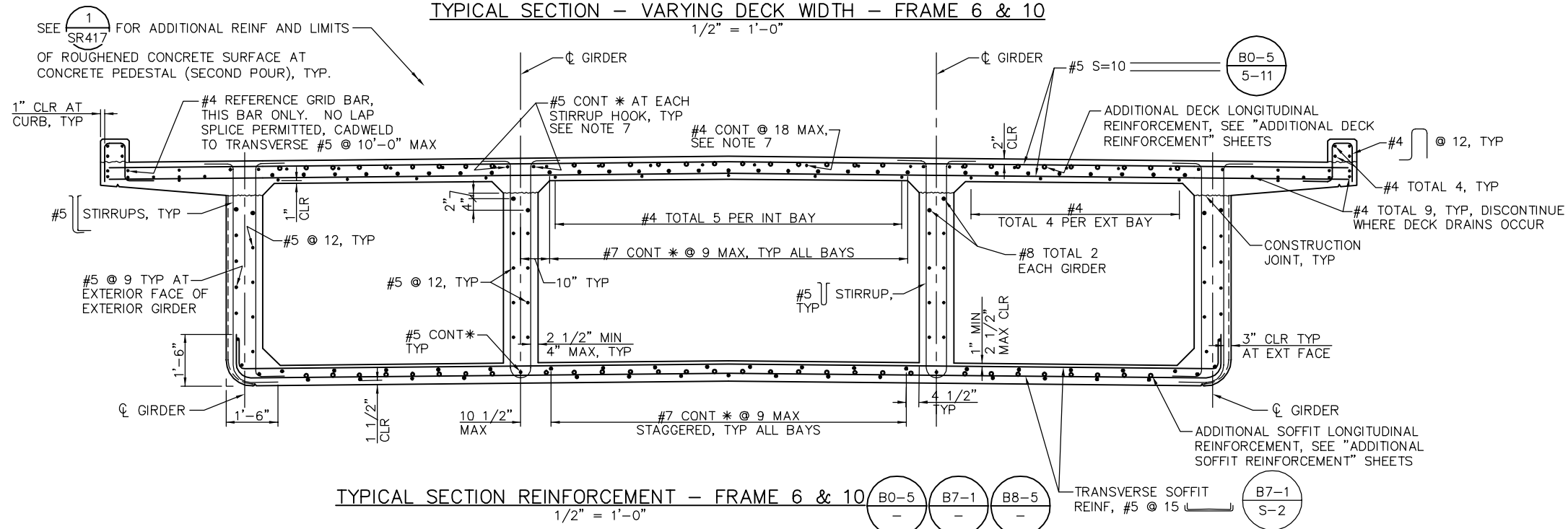


- NOTES:
1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACK CENTERLINE.
 2. PI AT MID POINT BETWEEN SB & NB TRACKS.
 3. FOR LIMITS AND DETAILS OF SOUND BARRIER, SEE "SOUND BARRIER DETAILS" SHEET.
 4. SEE DWG PD301 FOR TES STRUCTURE LOCATION AND OFFSETS, SEE "TES FOUNDATION DETAILS" SHEETS FOR ANCHORAGE DETAILS.
 5. CONT REINF IDENTIFIED BY * MUST BE SPliced WITH "SERVICE LEVEL" SPLICES, STAGGERED AT 4'-0" MINIMUM. LAP SPLICES EQUAL TO TWO TIMES THE STANDARD LAP SPLICE MAY BE SUBSTITUTED FOR THE "SERVICES SPLICES". SEE "ADDITIONAL SOFFIT REINFORCING" & "ADDITIONAL DECK REINFORCING" SHEETS FOR LOCATIONS OF NO SPLICE ZONES.
 6. FOR STIRRUP SPACING, SEE 'GIRDER LAYOUT' SHEETS.

INTERIOR CELL SOFFIT THICKNESS	
t	LOCATION
8 1/4"	HINGE 9 TO ϕ BENT 22 FRAME 10

7. PROVIDE AT LEAST ONE CONTINUOUS LONGITUDINAL REINFORCEMENT BAR AT TOP MAT OF DECK BENEATH EACH RAIL ALONG THE ENTIRE LENGTH OF GUIDEWAY. THE LONGITUDINAL CONTINUOUS BARS BENEATH RAILS MUST BE WELDED TO PROVIDE CONTINUITY AND MUST BE WELDED TO A COLLECTOR BAR (A TOP MAT TRANSVERSE REINFORCING BAR) AT EACH HINGE AND BENT LOCATION. SEE CC DWGS.

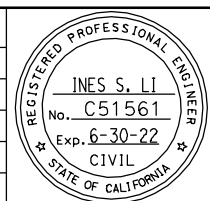
TYPICAL SECTION - VARYING DECK WIDTH - FRAME 6 & 10



PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR302.dwg

Santa Clara Valley
Transportation
Authority

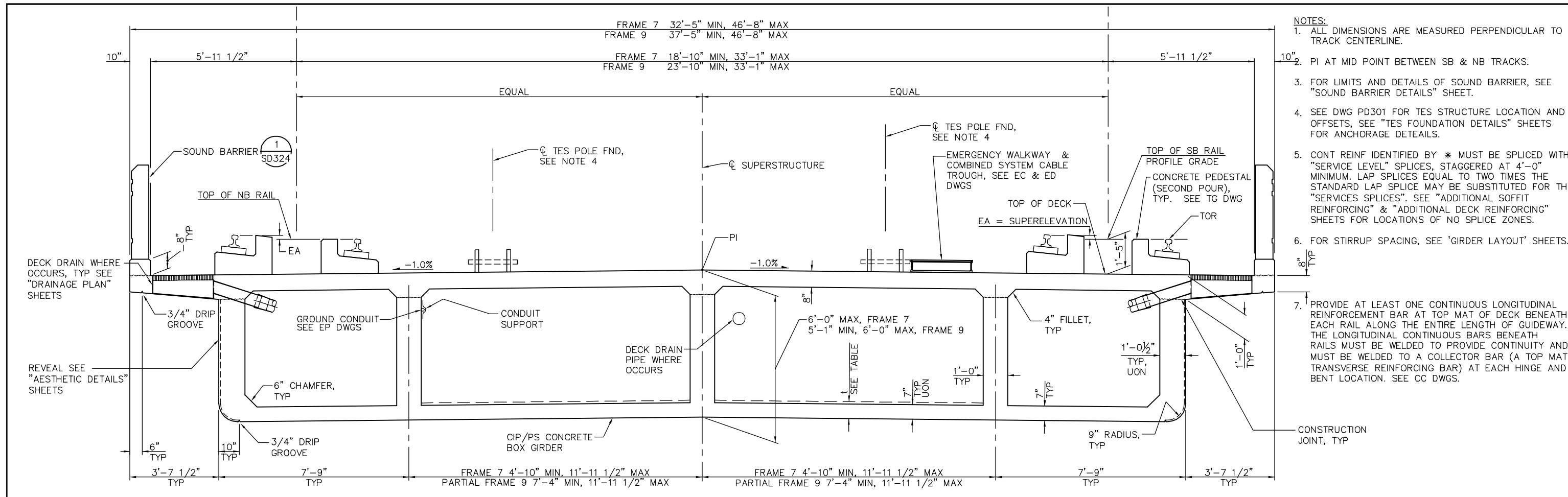
APPROVED
BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: 1/2" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TYPICAL SECTION No. 2

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

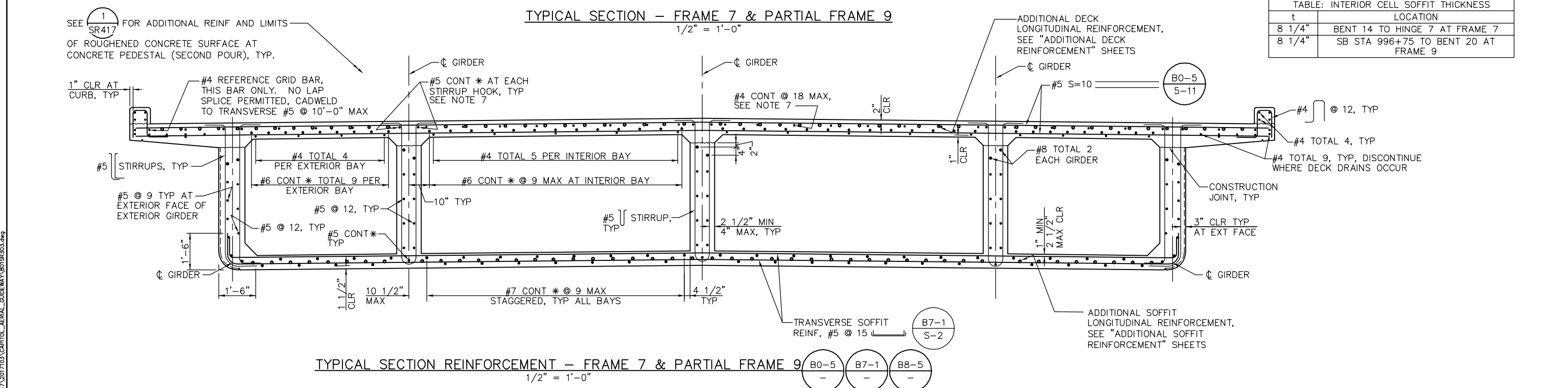
SHEET	OF
DRAWING NO. SR302	REVISION C



- NOTES:
1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACK CENTERLINE.
 2. PI AT MID POINT BETWEEN SB & NB TRACKS.
 3. FOR LIMITS AND DETAILS OF SOUND BARRIER, SEE "SOUND BARRIER DETAILS" SHEET.
 4. SEE DWG PD301 FOR TES STRUCTURE LOCATION AND OFFSETS, SEE "TES FOUNDATION DETAILS" SHEETS FOR ANCHORAGE DETAILS.
 5. CONT REINF IDENTIFIED BY * MUST BE SPLICED WITH "SERVICE LEVEL" SPLICES, STAGGERED AT 4'-0" MINIMUM. LAP SPLICES EQUAL TO TWO TIMES THE STANDARD LAP SPICE MAY BE SUBSTITUTED FOR THE "SERVICES SPLICES". SEE "ADDITIONAL SOFFIT REINFORCING" & "ADDITIONAL DECK REINFORCING" SHEETS FOR LOCATIONS OF NO SPLICE ZONES.
 6. FOR STIRRUP SPACING, SEE 'GIRDER LAYOUT' SHEETS.
 7. PROVIDE AT LEAST ONE CONTINUOUS LONGITUDINAL REINFORCEMENT BAR AT TOP MAT OF DECK BENEATH EACH RAIL ALONG THE ENTIRE LENGTH OF GUIDEWAY. THE LONGITUDINAL CONTINUOUS BARS BENEATH RAILS MUST BE WELDED TO PROVIDE CONTINUITY AND MUST BE WELDED TO A COLLECTOR BAR (A TOP MAT TRANSVERSE REINFORCING BAR) AT EACH HINGE AND BENT LOCATION. SEE CC DWGS.

TYPICAL SECTION - FRAME 7 & PARTIAL FRAME 9
1/2" = 1'-0"

TABLE: INTERIOR CELL SOFFIT THICKNESS	
t	LOCATION
8 1/4"	BENT 14 TO HINGE 7 AT FRAME 7
8 1/4"	SB STA 996+75 TO BENT 20 AT FRAME 9

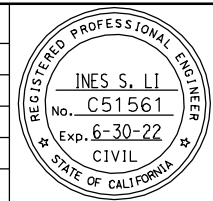


TYPICAL SECTION REINFORCEMENT - FRAME 7 & PARTIAL FRAME 9
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:13am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR303.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR303.dwg

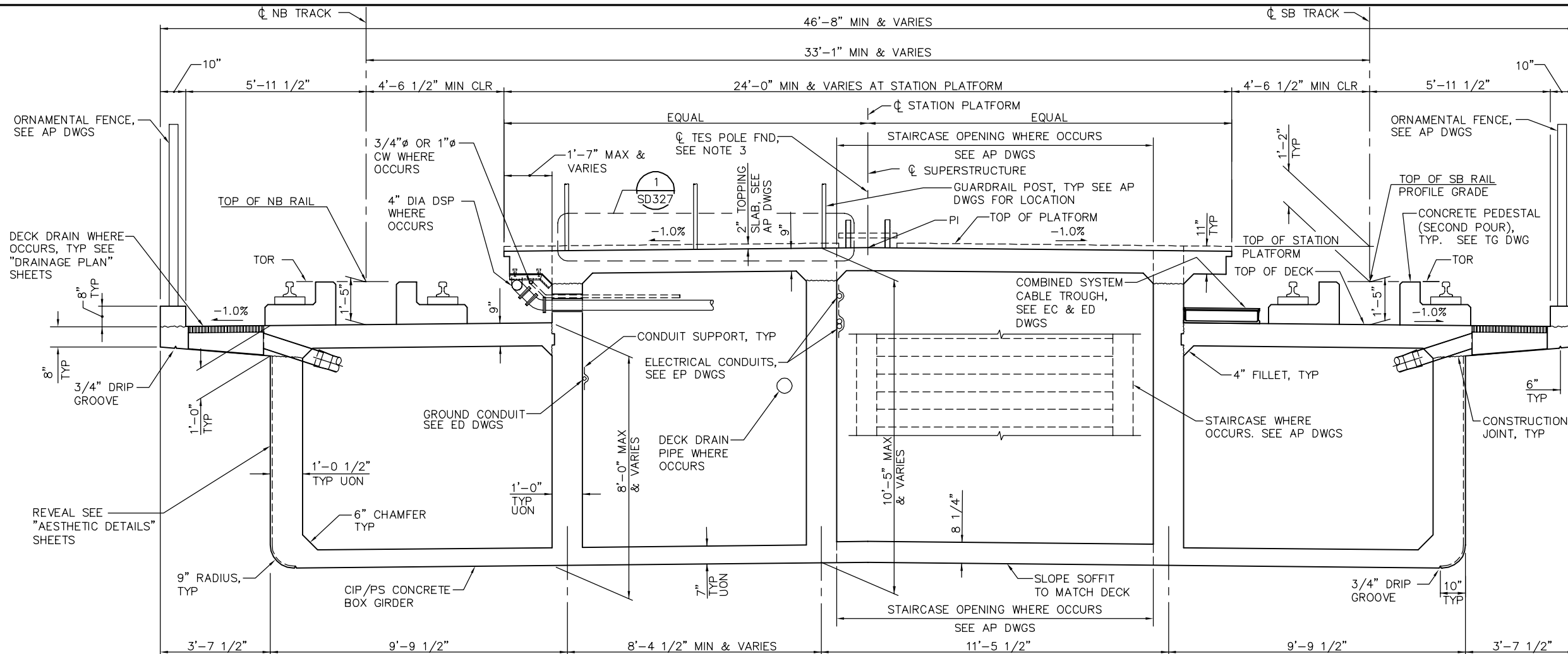
Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: 1/2" = 1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TYPICAL SECTION No. 3

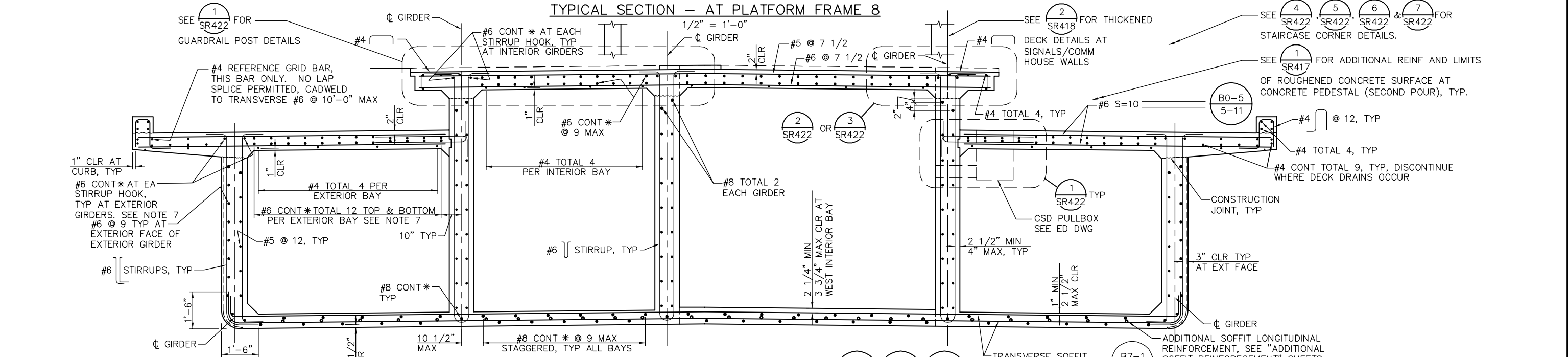
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SR303
REVISION C



- NOTES:**
1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACK CENTERLINE.
 2. PI AT MID POINT BETWEEN SB & NB TRACKS.
 3. SEE DWG PD301 FOR TES STRUCTURE LOCATION AND OFFSETS, SEE "TES FOUNDATION DETAILS" SHEETS FOR ANCHORAGE DETAILS.
 4. CONT REINF IDENTIFIED BY * MUST BE SPliced WITH "SERVICE LEVEL" SPLICES, STAGGERED AT 4'-0" MINIMUM. LAP SPLICES EQUAL TO TWO TIMES THE STANDARD LAP SPLICE MAY BE SUBSTITUTED FOR THE "SERVICES SPLICES". SEE "ADDITIONAL SOFFIT REINFORCING" & "ADDITIONAL DECK REINFORCING" SHEETS FOR LOCATIONS OF NO SPLICE ZONES.
 5. FOR STIRRUP SPACING, SEE 'GIRDER LAYOUT' SHEETS.
 6. FOR GUARDRAIL GATE LOCATION, SEE AP DRAWINGS.
 7. PROVIDE AT LEAST ONE CONTINUOUS LONGITUDINAL REINFORCEMENT BAR AT TOP MAT OF DECK BENEATH EACH RAIL ALONG THE ENTIRE LENGTH OF GUIDEWAY. THE LONGITUDINAL CONTINUOUS BARS BENEATH RAILS MUST BE WELDED TO PROVIDE CONTINUITY AND MUST BE WELDED TO A COLLECTOR BAR (A TOP MAT TRANSVERSE REINFORCING BAR) AT EACH HINGE AND BENT LOCATION. SEE CC DWGS.

TYPICAL SECTION - AT PLATFORM FRAME 8

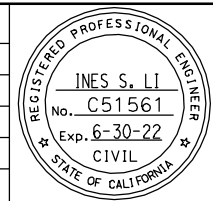


TYPICAL SECTION REINFORCEMENT - AT PLATFORM FRAME 8

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

BCA

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CHECKED: D. DEVLIN
DRAWN: D. CHAN
CADD FILENAME: 801SR304.dwg

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

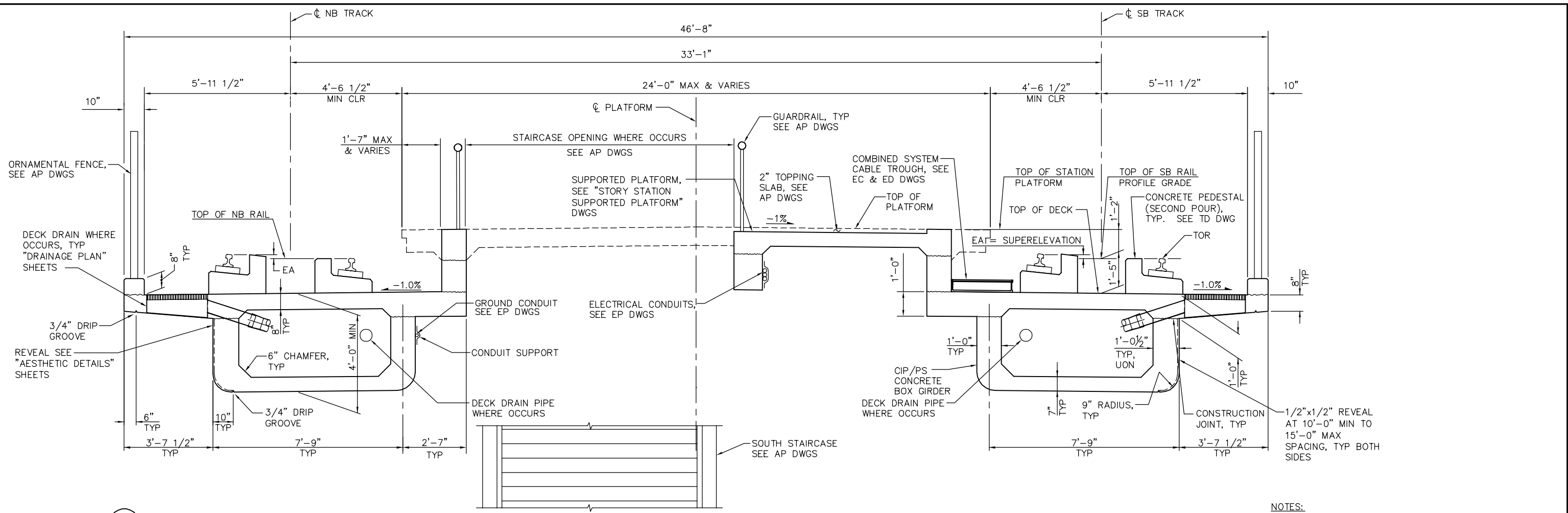
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: 1/2" = 1'-0"
BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TYPICAL SECTION No. 4**

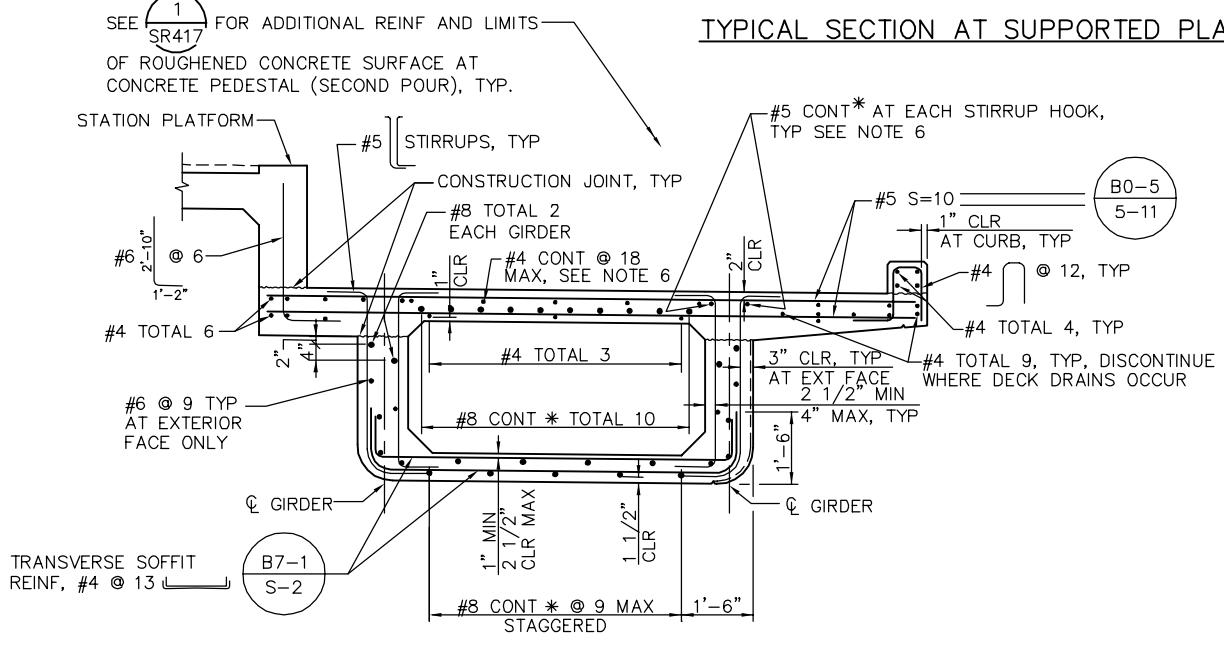
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF: SR304
REVISION: C



TYPICAL SECTION AT SUPPORTED PLATFORM STAIRCASE OPENING - PARTIAL FRAME 9
1/2" = 1'-0"

- NOTES:
1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACK CENTERLINE.
 2. PI AT MID POINT BETWEEN SB & NB TRACKS.
 3. CONT REINF IDENTIFIED BY * MUST BE SPLICED WITH "SERVICE LEVEL" SPLICES, STAGGERED AT 4'-0" MINIMUM. LAP SPLICES EQUAL TO TWO TIMES THE STANDARD LAP SPLICE MAY BE SUBSTITUTED FOR THE "SERVICES SPLICES". SEE "ADDITIONAL SOFFIT REINFORCING" & "ADDITIONAL DECK REINFORCING" SHEETS FOR LOCATIONS OF NO SPLICE ZONES.
 4. FOR STIRRUP SPACING, SEE 'GIRDER LAYOUT' SHEETS.
 5. PROVIDE AT LEAST ONE CONTINUOUS LONGITUDINAL REINFORCEMENT BAR AT TOP MAT OF DECK BENEATH EACH RAIL ALONG THE ENTIRE LENGTH OF GUIDEWAY. THE LONGITUDINAL CONTINUOUS BARS BENEATH RAILS MUST BE WELDED TO PROVIDE CONTINUITY AND MUST BE WELDED TO A COLLECTOR BAR (A TOP MAT TRANSVERSE REINFORCING BAR) AT EACH HINGE AND BENT LOCATION. SEE CC DWGS.



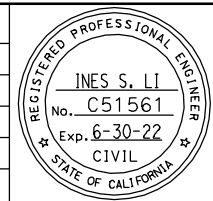
NOTE:
SB SIDE SHOWN,
NB SIDE SIMILAR

PART TYPICAL SECTION REINFORCEMENT - AT SUPPORTED PLATFORM STAIRCASE OPENING - PARTIAL FRAME 9
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
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CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR305.dwg

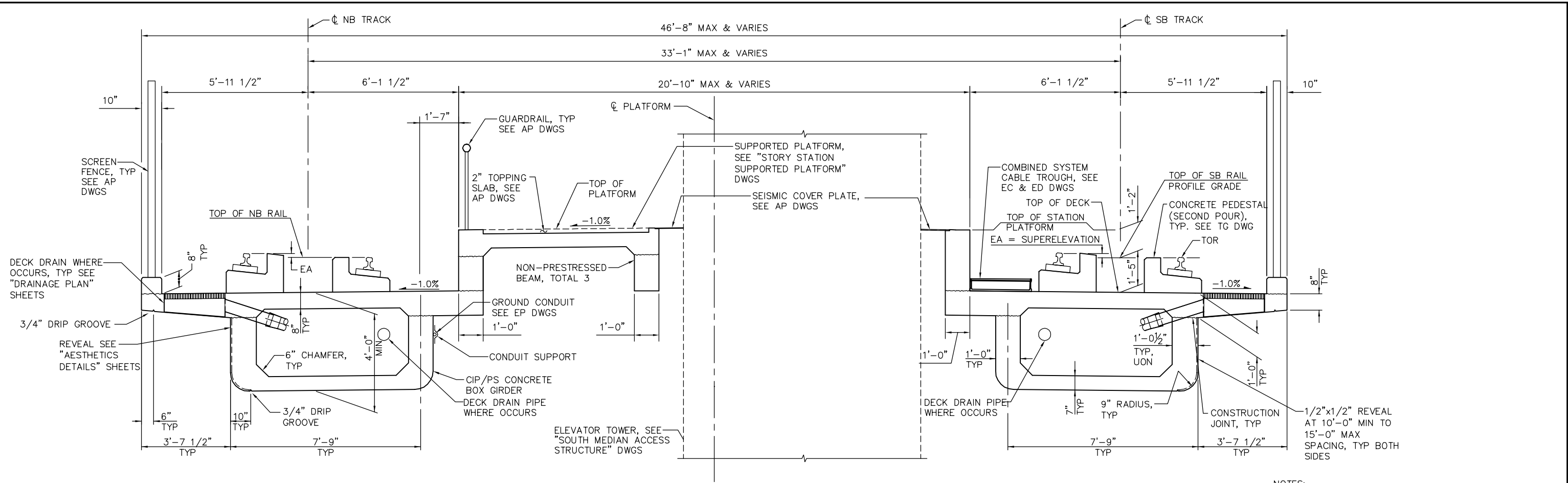
Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: 1/2" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TYPICAL SECTION No. 5

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SR305 REVISION C



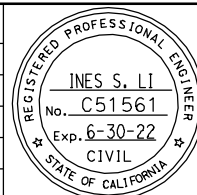
TYPICAL SECTION AT SUPPORTED PLATFORM ELEVATOR OPENING AT PARTIAL FRAME 9
 1/2" = 1'-0"

- NOTES:
1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACK CENTERLINE.
 2. PI AT MID POINT BETWEEN SB & NB TRACKS.
 3. SEE "TYPICAL SECTION No. 5" SHEET FOR DETAILS NOT NOTED.
 4. CONT REINF IDENTIFIED BY * MUST BE SPLICED WITH "SERVICE LEVEL" SPLICES, STAGGERED AT 4'-0" MINIMUM LAP SPLICES EQUAL TO TWO TIMES THE STANDARD LAP SPLICE MAY BE SUBSTITUTED FOR THE "SERVICES SPLICES". SEE "ADDITIONAL SOFFIT REINFORCING" & "ADDITIONAL DECK REINFORCING" SHEETS FOR LOCATIONS OF NO SPLICE ZONES.
 5. FOR STIRRUP SPACING, SEE 'GIRDER LAYOUT' SHEETS.

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR306.dwg



APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
 SCALE: 1/2" = 1'-0"

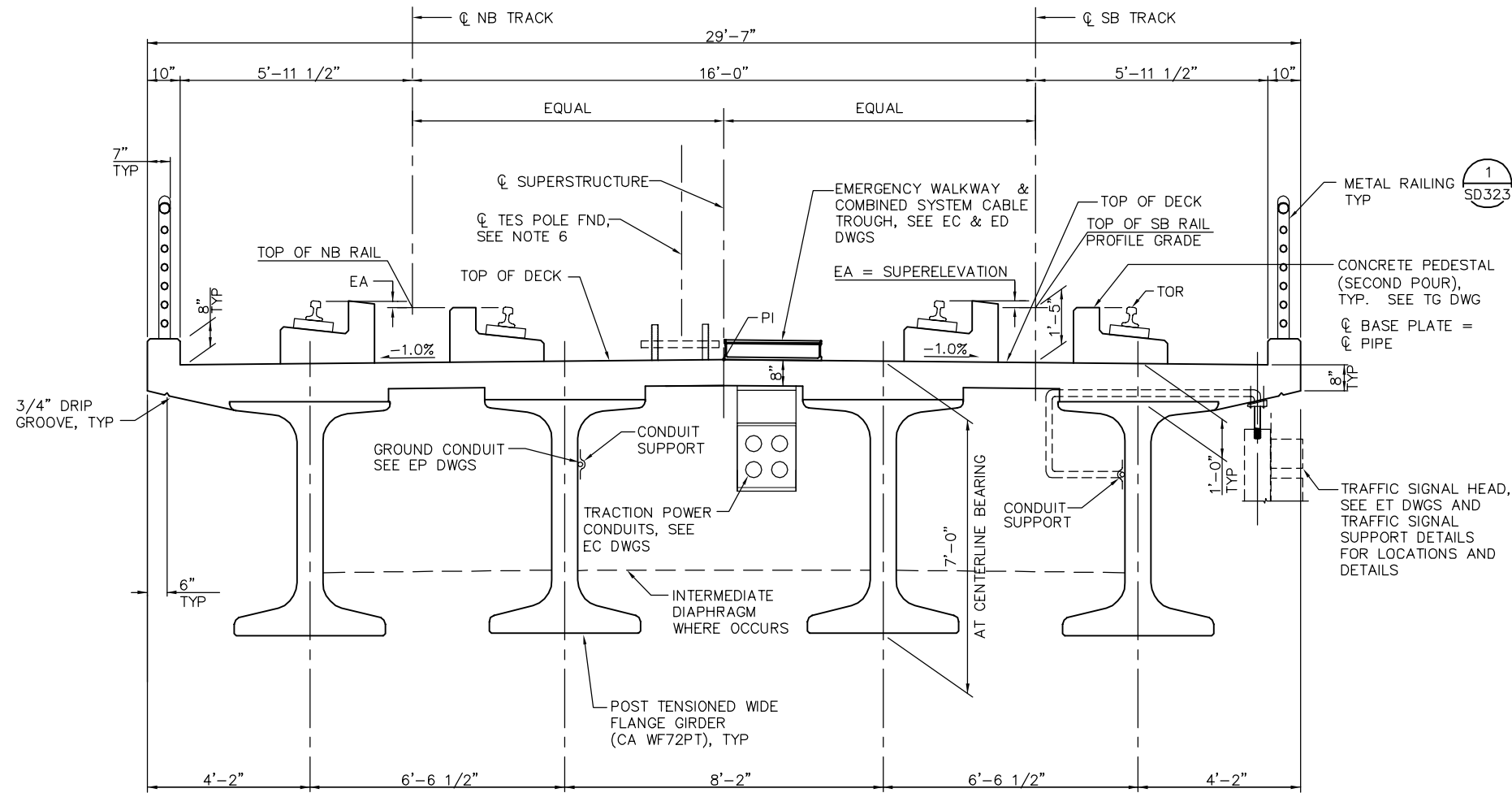
SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 TYPICAL SECTION No. 6

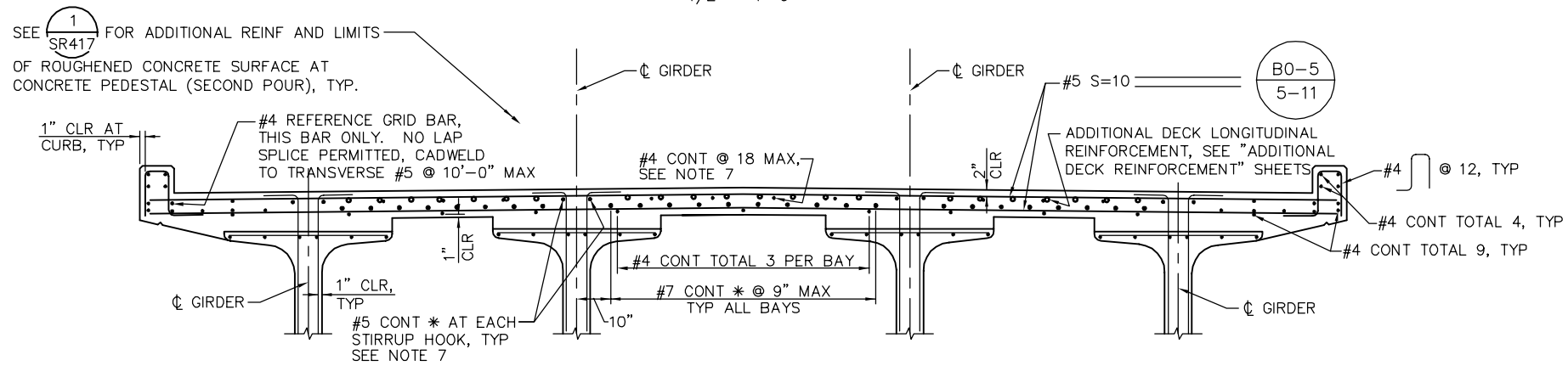
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR306
REVISION	C

- NOTES:**
1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACK CENTERLINE.
 2. PI AT MID POINT BETWEEN SB & NB TRACKS.
 3. SEE "TYPICAL SECTION No. 3" SHEET FOR DETAILS NOT NOTED.
 4. CONT REINF IDENTIFIED BY * MUST BE SPLICED WITH "SERVICE LEVEL" SPLICES, STAGGERED AT 4'-0" MINIMUM. LAP SPLICES EQUAL TO TWO TIMES THE STANDARD LAP SPLICE MAY BE SUBSTITUTED FOR THE "SERVICES SPLICES". SEE "ADDITIONAL SOFFIT REINFORCING" & "ADDITIONAL DECK REINFORCING" SHEETS FOR LOCATIONS OF NO SPLICE ZONES.
 5. FOR STIRRUP SPACING, SEE 'GIRDER LAYOUT' SHEETS.
 6. SEE DWG PD301 FOR TES STRUCTURE LOCATION AND OFFSETS, SEE "TES FOUNDATION DETAILS" SHEETS FOR ANCHORAGE DETAILS.
 7. PROVIDE AT LEAST ONE CONTINUOUS LONGITUDINAL REINFORCEMENT BAR AT TOP MAT OF DECK BENEATH EACH RAIL ALONG THE ENTIRE LENGTH OF GUIDEWAY. THE LONGITUDINAL CONTINUOUS BARS BENEATH RAILS MUST BE WELDED TO PROVIDE CONTINUITY AND MUST BE WELDED TO A COLLECTOR BAR (A TOP MAT TRANSVERSE REINFORCING BAR) AT EACH HINGE AND BENT LOCATION. SEE CC DWGS.



TYPICAL SECTION - PRECAST AT TULLY ROAD WITHIN FRAME 35
1/2" = 1'-0"

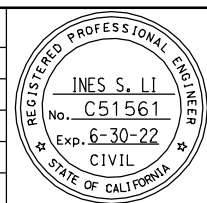


PART TYPICAL SECTION - PRECAST AT TULLY ROAD WITHIN FRAME 35
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:14am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR307.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	11/18	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR307



APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

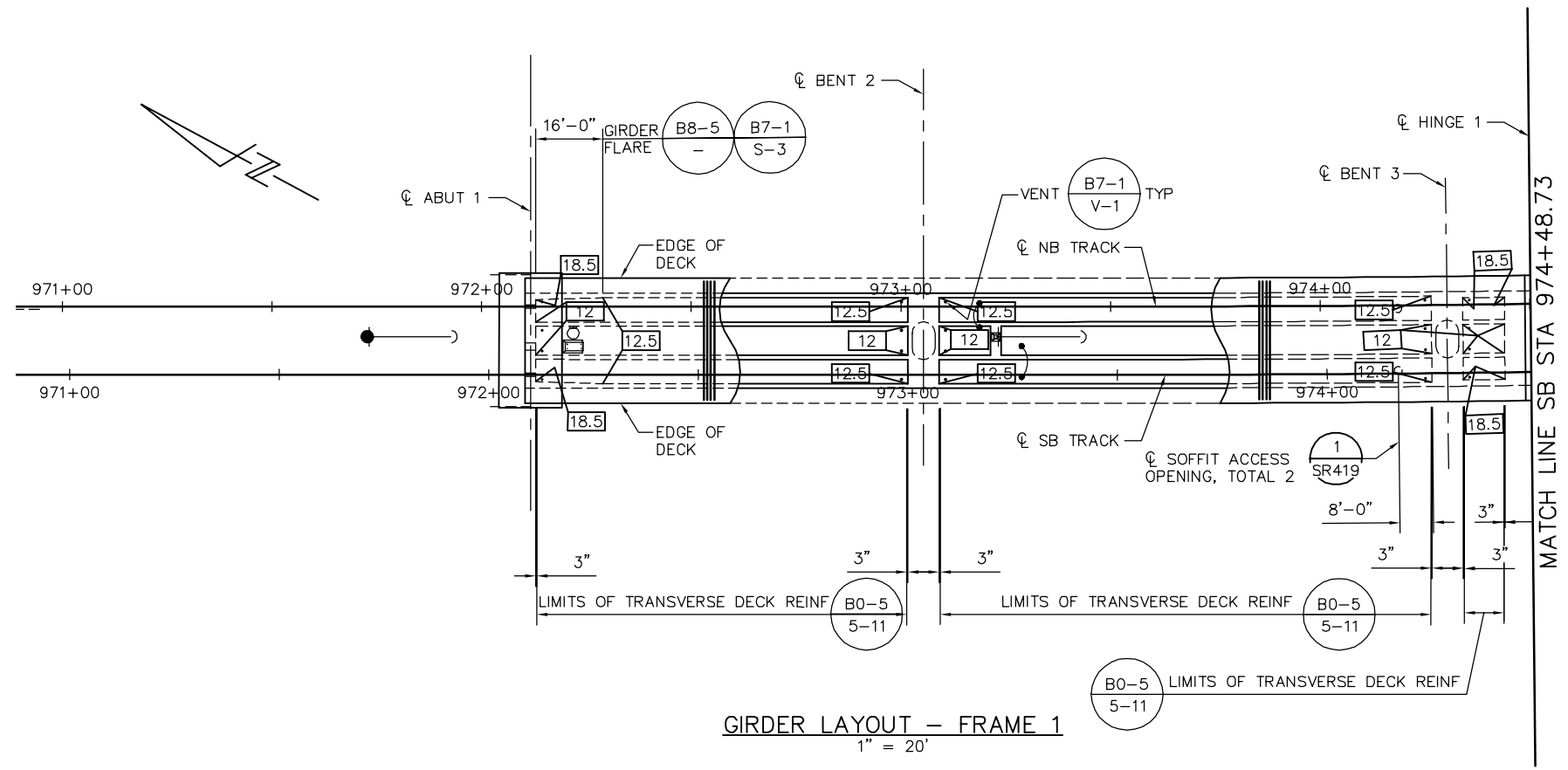
CADD FILE DATE: 06/03/20
SUBMITTAL DATE: 06/29/20

SCALE: 1/2" = 1'-0"
BOARD APPROVAL DATE:

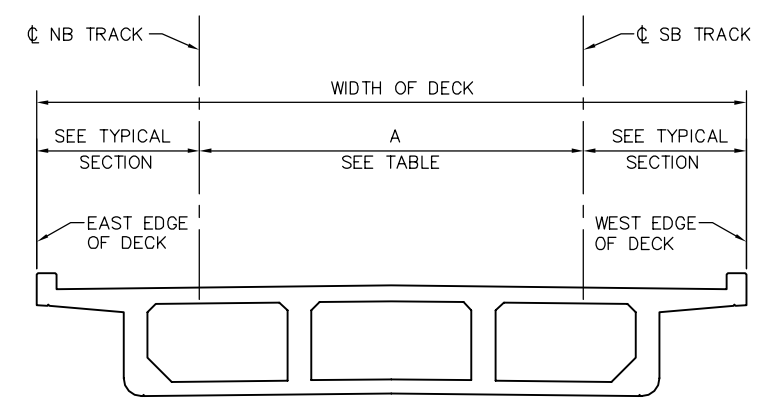
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TYPICAL SECTION No. 7

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	OF
DRAWING NO. SR307	REVISION B



GIRDER LAYOUT - FRAME 1
1" = 20'



DECK DIMENSIONS - FRAME 1
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
ABUTMENT 1	972+09.98	16.26'
BENT 2	973+03.73	16.30'
BENT 3	974+28.73	16.29'
HINGE 1	974+48.73	16.28'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 5760 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

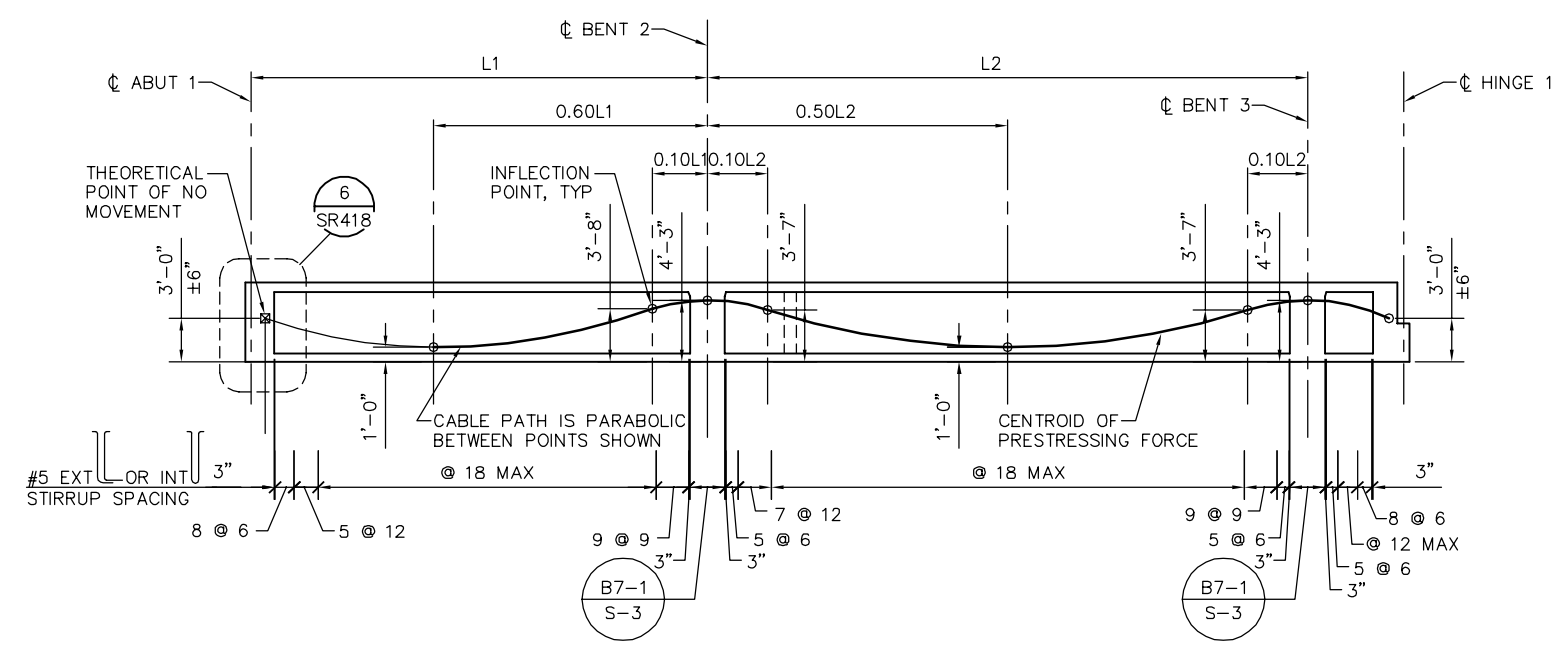
CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.841$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 1.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.



LONGITUDINAL SECTION - FRAME 1
NTS

NOTES:

- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

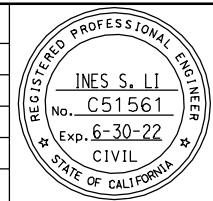
LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE
- \rightarrow INDICATES GUY ANCHOR

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:15am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR310.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	11/18	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
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 San Jose, California 95128
 408-296-5515

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR310.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED
BKF 100+
 YEARS
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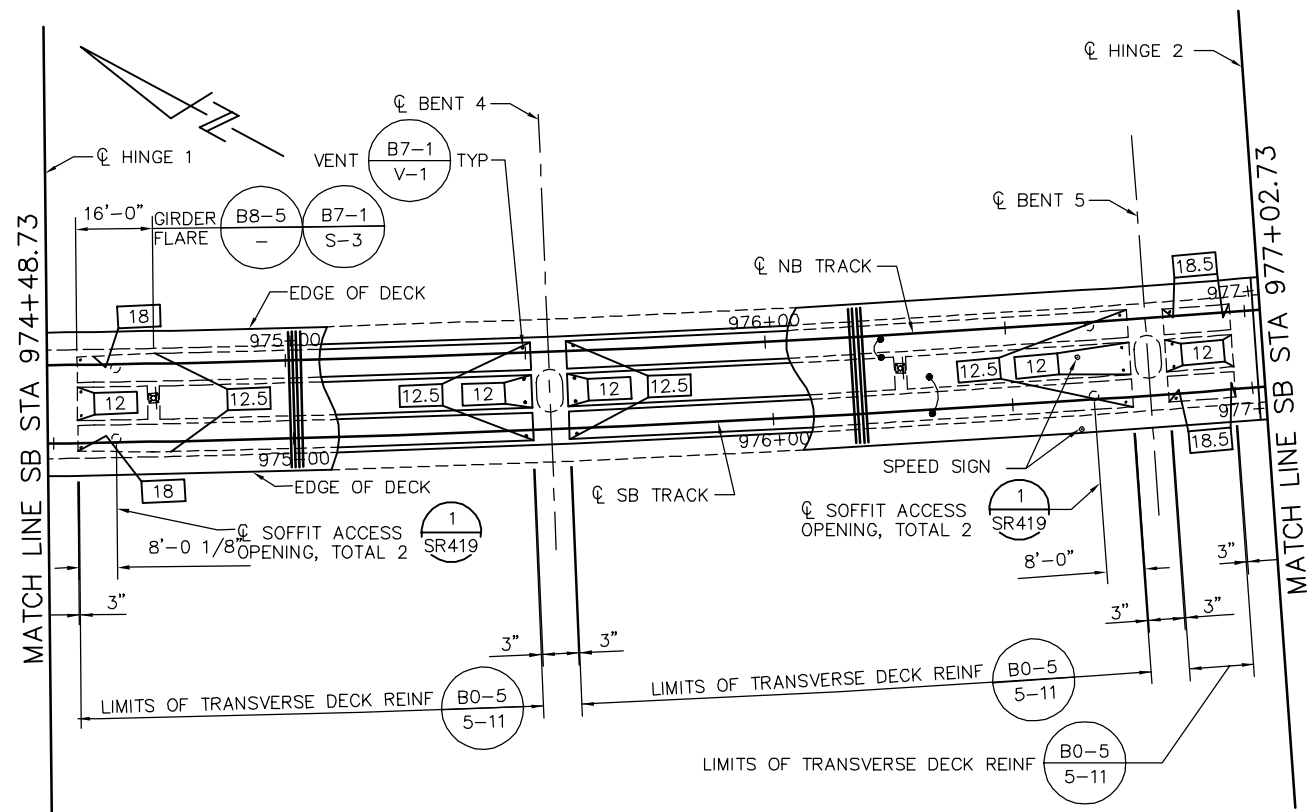
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

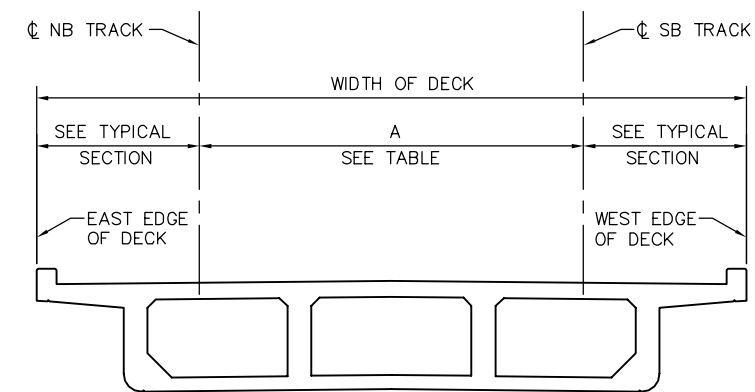
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 1

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR310
REVISION	B



GIRDER LAYOUT - FRAME 2
1" = 20'



DECK DIMENSIONS - FRAME 2
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 1	974+48.73	16.28'
BENT 4	975+53.73	16.18'
BENT 5	976+78.73	16.07'
HINGE 2	977+02.73	16.05'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6660 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.830$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 2.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002$ /FT.

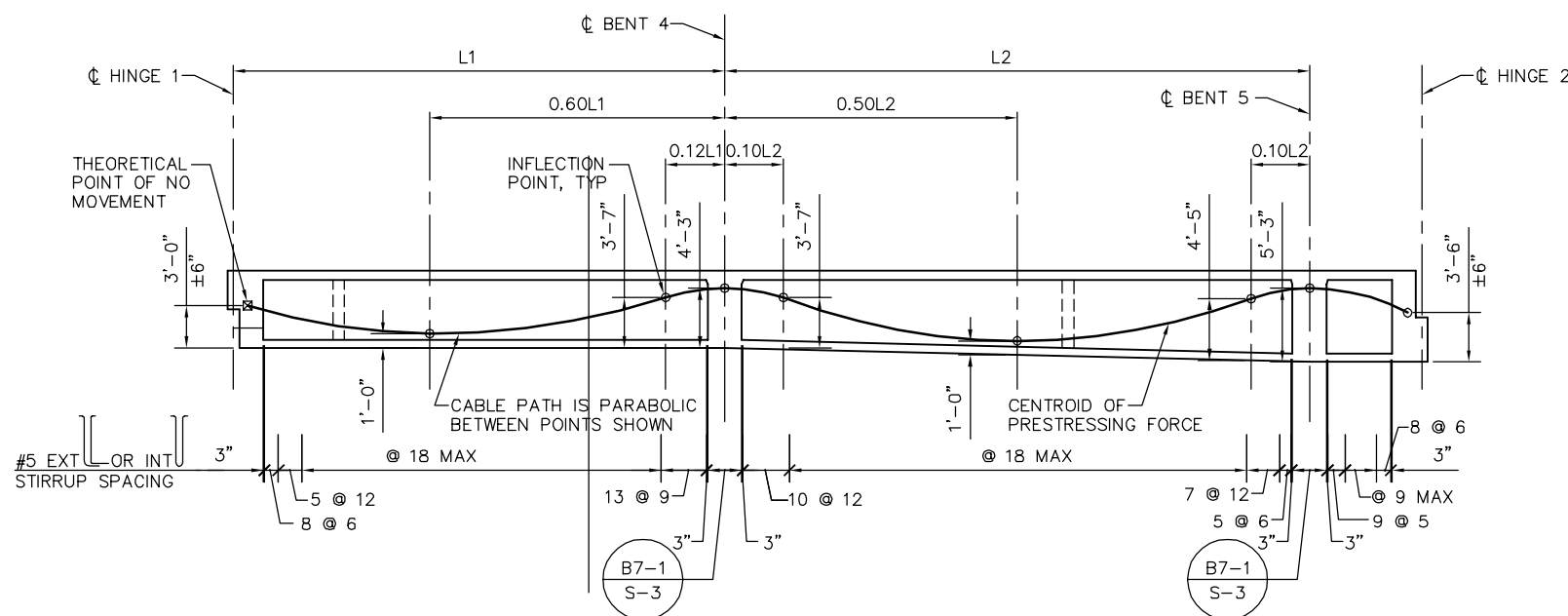
NOTES:

- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE
- \bullet SPEED SIGN

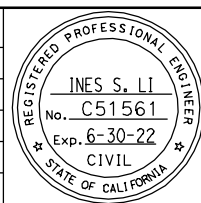
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 2
NTS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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865 The Alameda
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CADD FILENAME: 801SR311.dwg



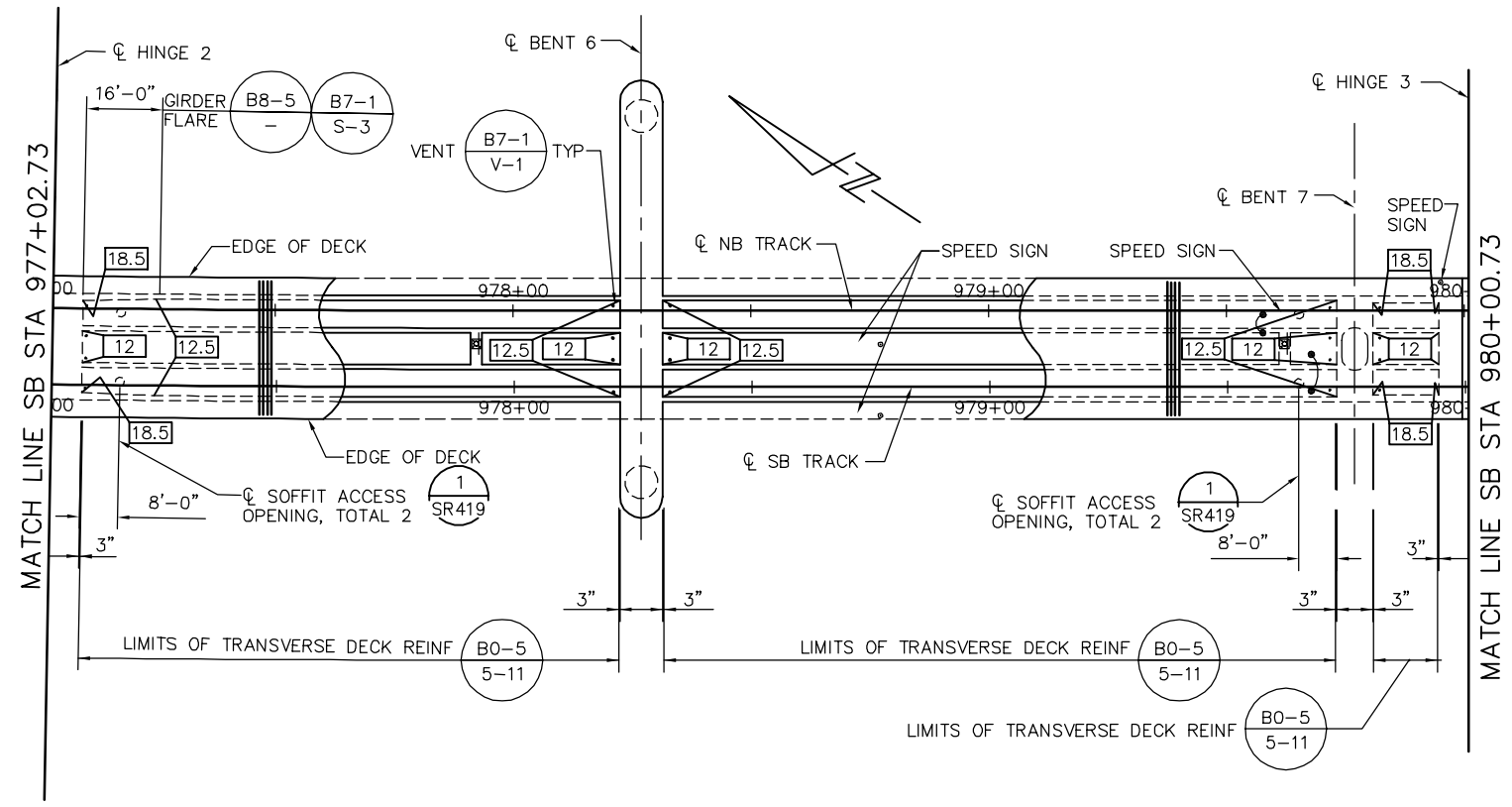
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

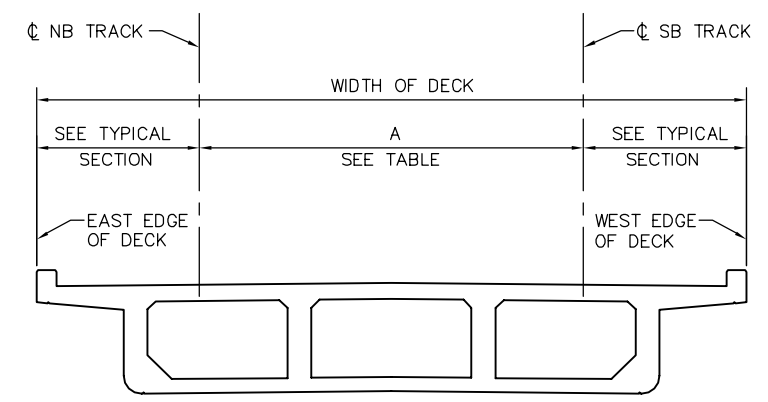
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO.	SR311
REVISION	B



GIRDER LAYOUT - FRAME 3
1" = 20'



DECK DIMENSIONS - FRAME 3
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 2	977+02.73	16.05'
BENT 6	978+26.73	16.00'
BENT 7	979+76.73	16.00'
HINGE 3	980+00.73	16.00'

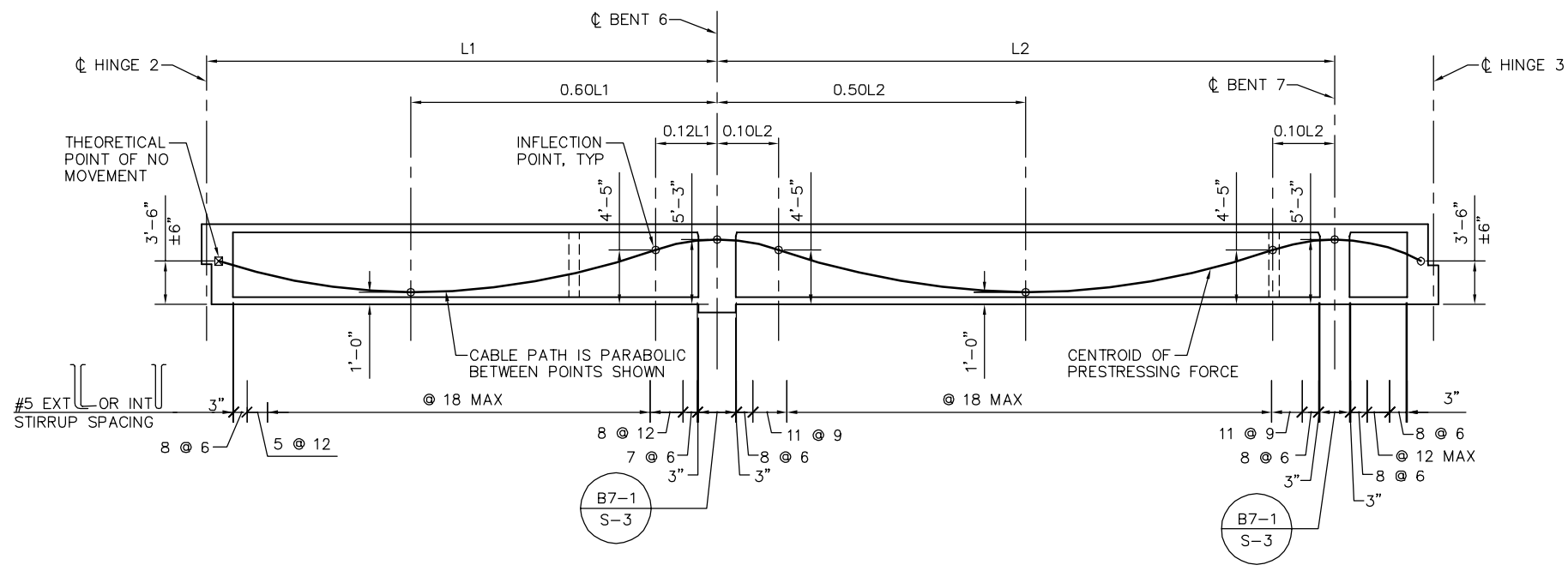
*DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

- 270 KSI LOW RELAXATION STRAND:
- PJACK = 6690 KIPS
 - ANCHOR SET = 3/8"
 - NO. OF GIRDERS = 4
- DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)
- CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING
- CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.817$ TIMES JACKING STRESS
- \square DENOTES THEORETICAL POINT OF NO MOVEMENT
- ONE END STRESSING MUST BE PERFORMED FROM HINGE 3.
- PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

- NOTES:
- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
 - FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.
- LEGEND:
- \square INDICATES GIRDER STEM WIDTH IN INCHES
 - \square INDICATES TES POLE ON STRUCTURE
 - \bullet SPEED SIGN

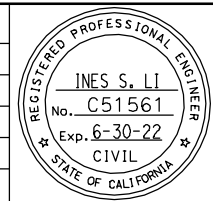
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 3
NTS

SMH Jun 21, 2020 - 10:17am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR312.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
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408-296-5515

DESIGNED: D. CHAN
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DRAWN: S. HICKEY
CADD FILENAME: 801SR312.dwg

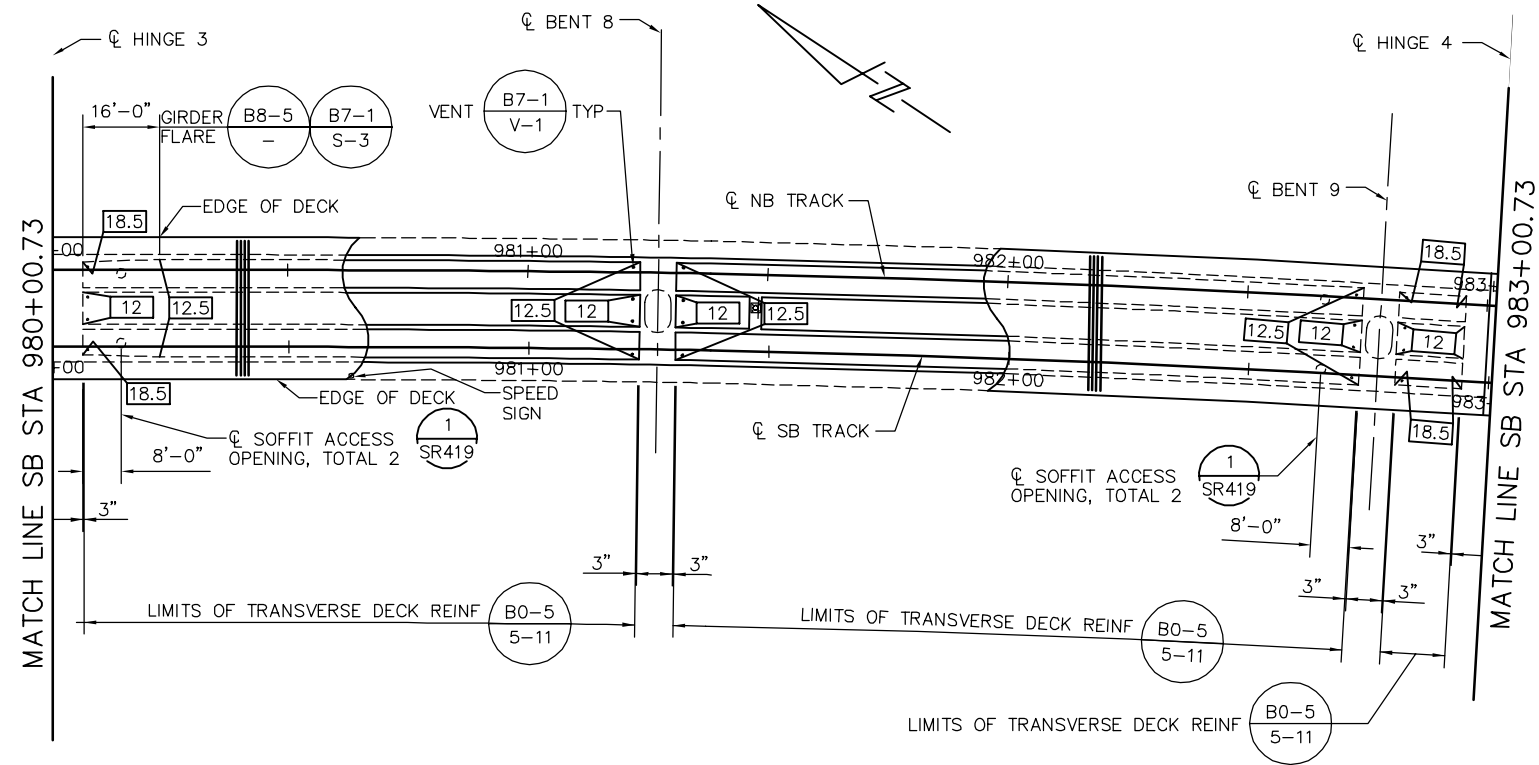
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

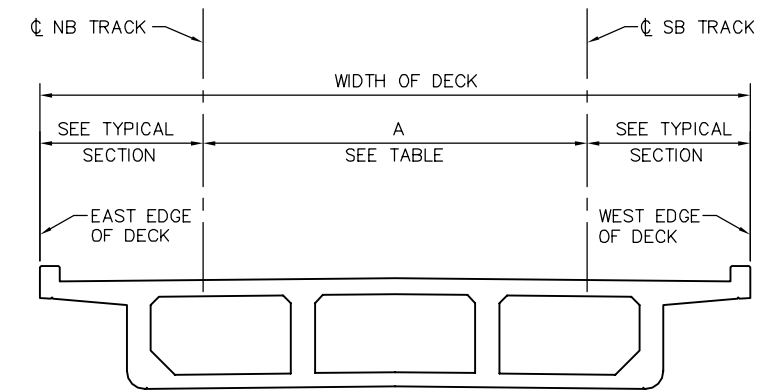
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO.	SR312
REVISION	B



GIRDER LAYOUT - FRAME 4
1" = 20'



DECK DIMENSIONS - FRAME 4
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 3	980+00.73	16.00'
BENT 8	981+26.73	16.00'
BENT 9	982+76.73	16.00'
HINGE 4	983+00.73	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6760 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.818$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 4.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002$ /FT.

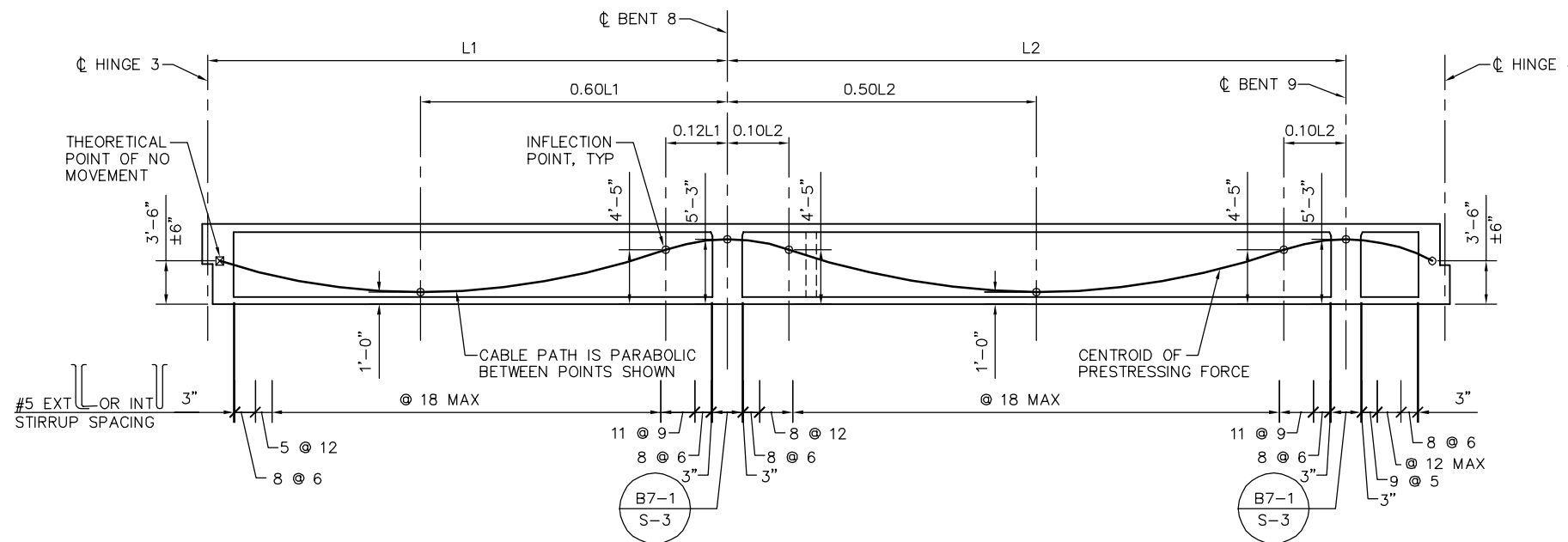
NOTES:

- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE
- \bullet SPEED SIGN

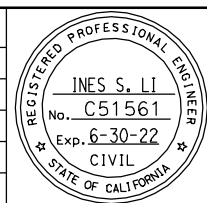
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 4
NTS

SMH Jun 21, 2020 - 10:17am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\01SR313.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
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CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR313.dwg

Santa Clara Valley
Transportation
Authority

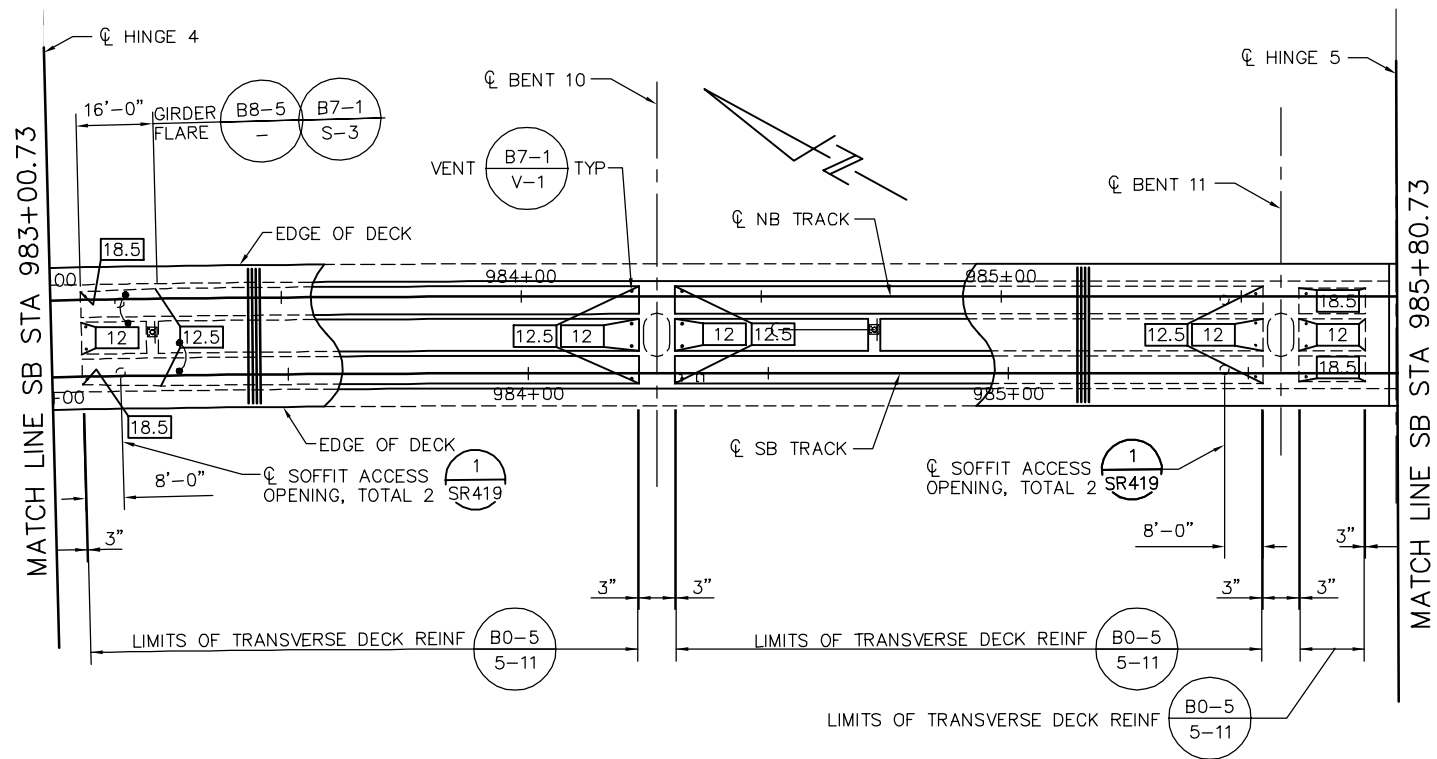
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

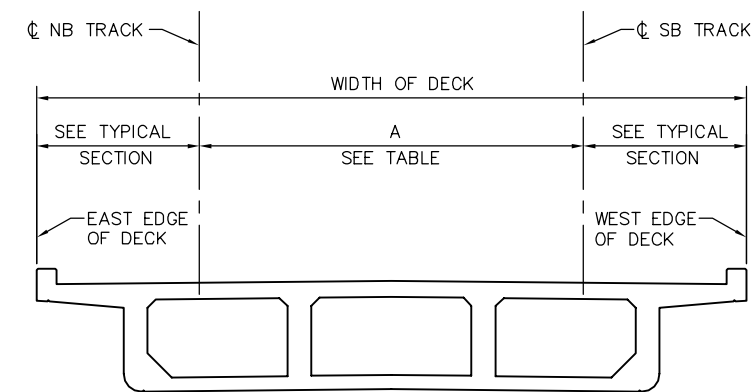
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 4

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR313
REVISION	B



GIRDER LAYOUT - FRAME 5
1" = 20'



DECK DIMENSIONS - FRAME 5
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 4	983+00.73	16.00'
BENT 10	984+26.73	16.00'
BENT 11	985+56.73	16.00'
HINGE 5	985+80.73	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6610 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.813$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 5.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002/FT$.

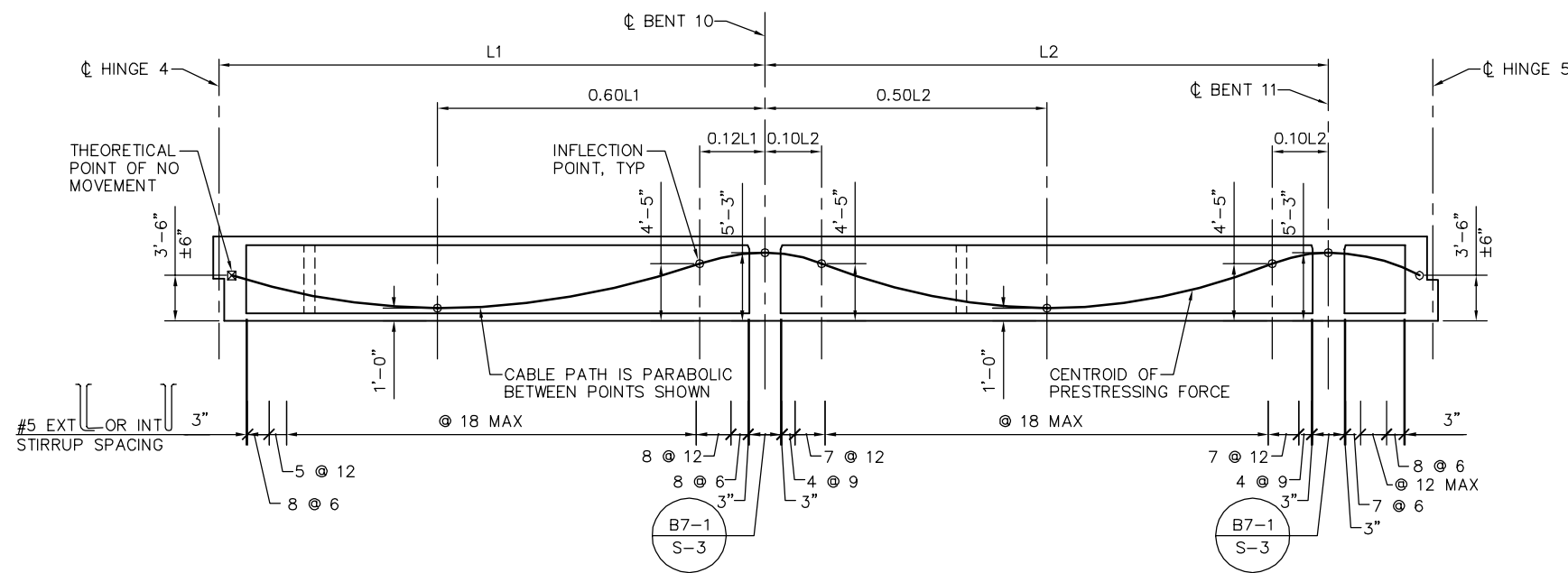
NOTES:

- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE
- \rightarrow INDICATES GUY ANCHOR

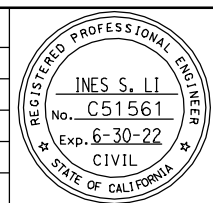
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 5
NTS

SMH Jun 21, 2020 - 10:18am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\01SR314.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
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DRAWN: S. HICKEY
CADD FILENAME: 801SR314.dwg

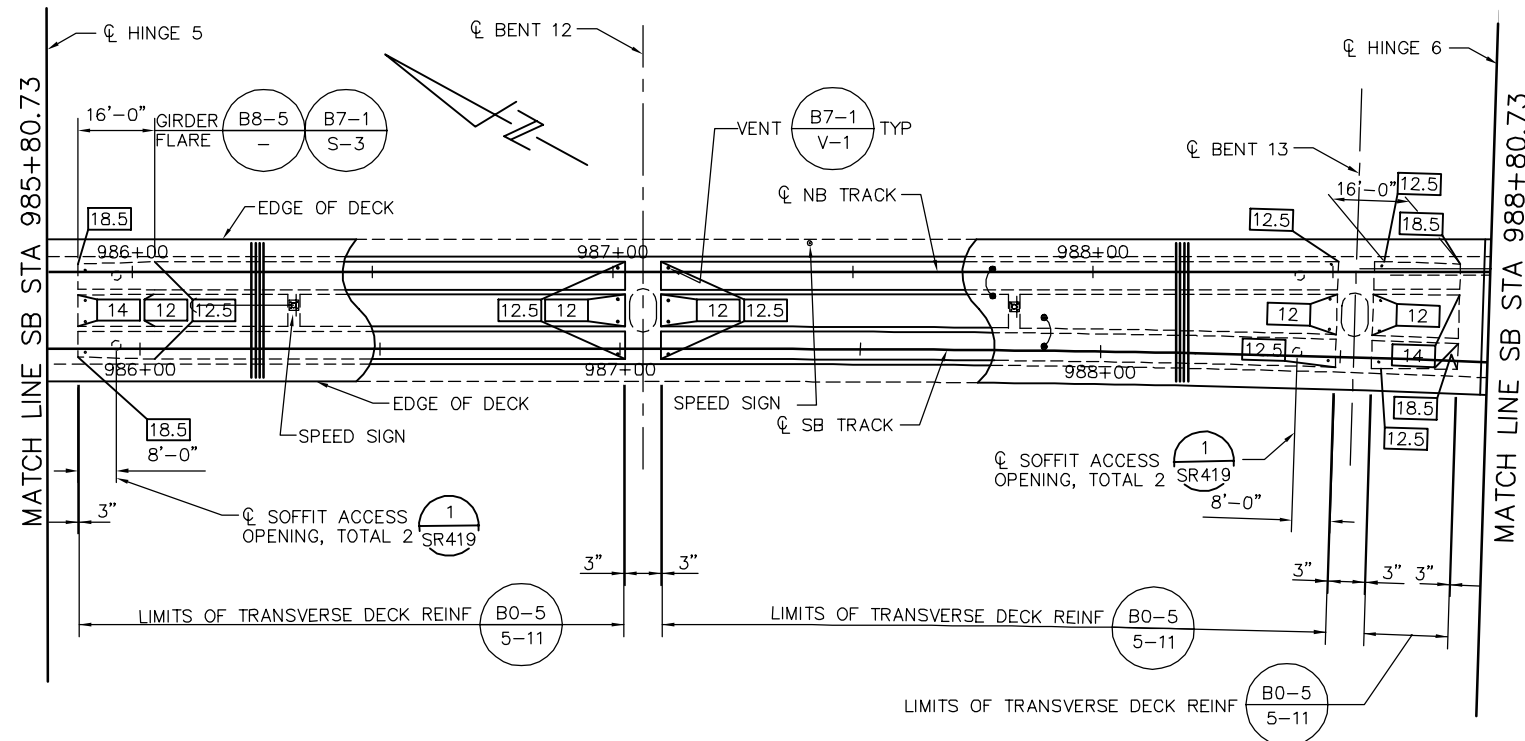
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

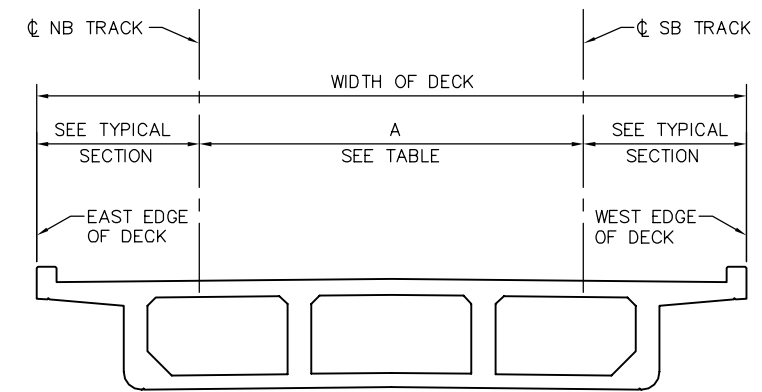
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR314
REVISION	B



GIRDER LAYOUT - FRAME 6
1" = 20'



DECK DIMENSIONS - FRAME 6
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 5	985+80.73	16.00'
BENT 12	987+04.73	16.00'
BENT 13	988+52.73	17.78'
HINGE 6	988+80.73	18.79'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 8020 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\epsilon = 0.827$ TIMES JACKING STRESS

☒ DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 6.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002$ /FT.

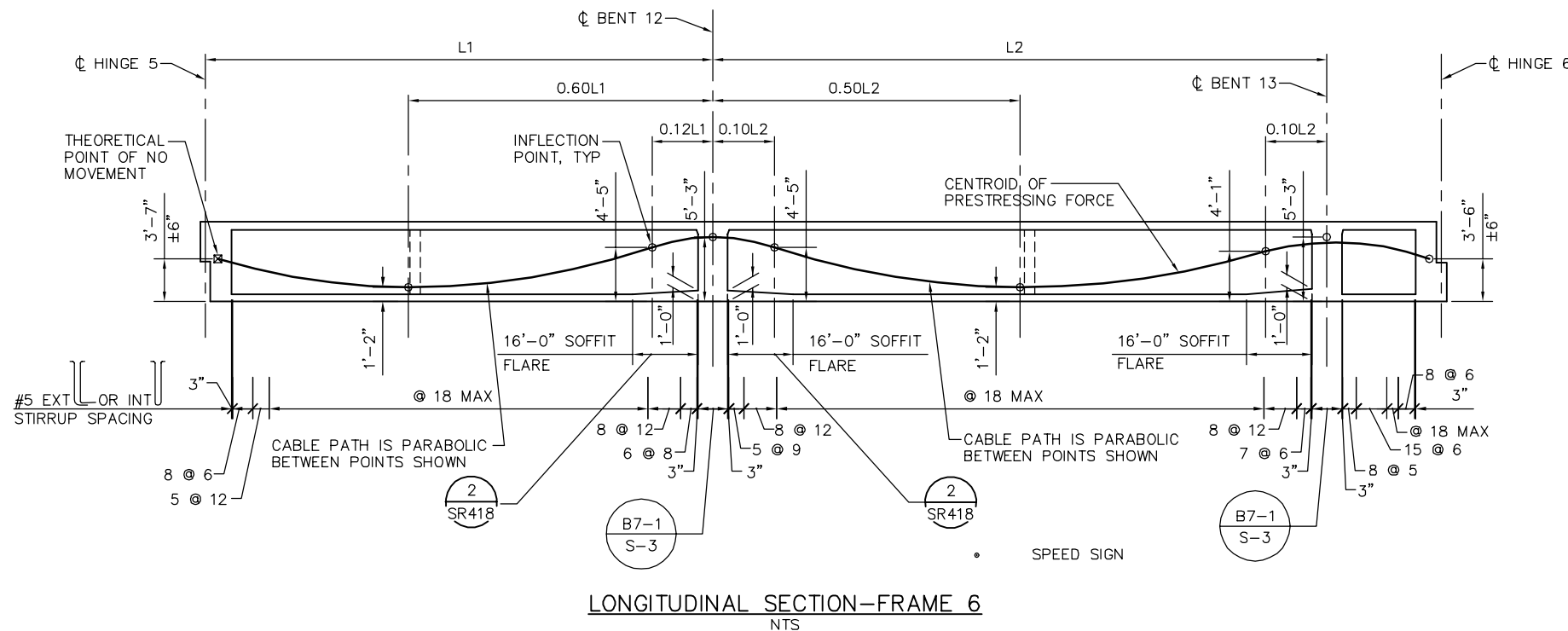
NOTES:

- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- INDICATES TES POLE ON STRUCTURE
- INDICATES GUY ANCHOR
- SPEED SIGN

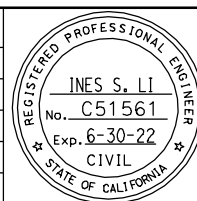
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 6
NTS

SMH Jun 21, 2020 - 10:19am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR315.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR315.dwg

BCA



APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

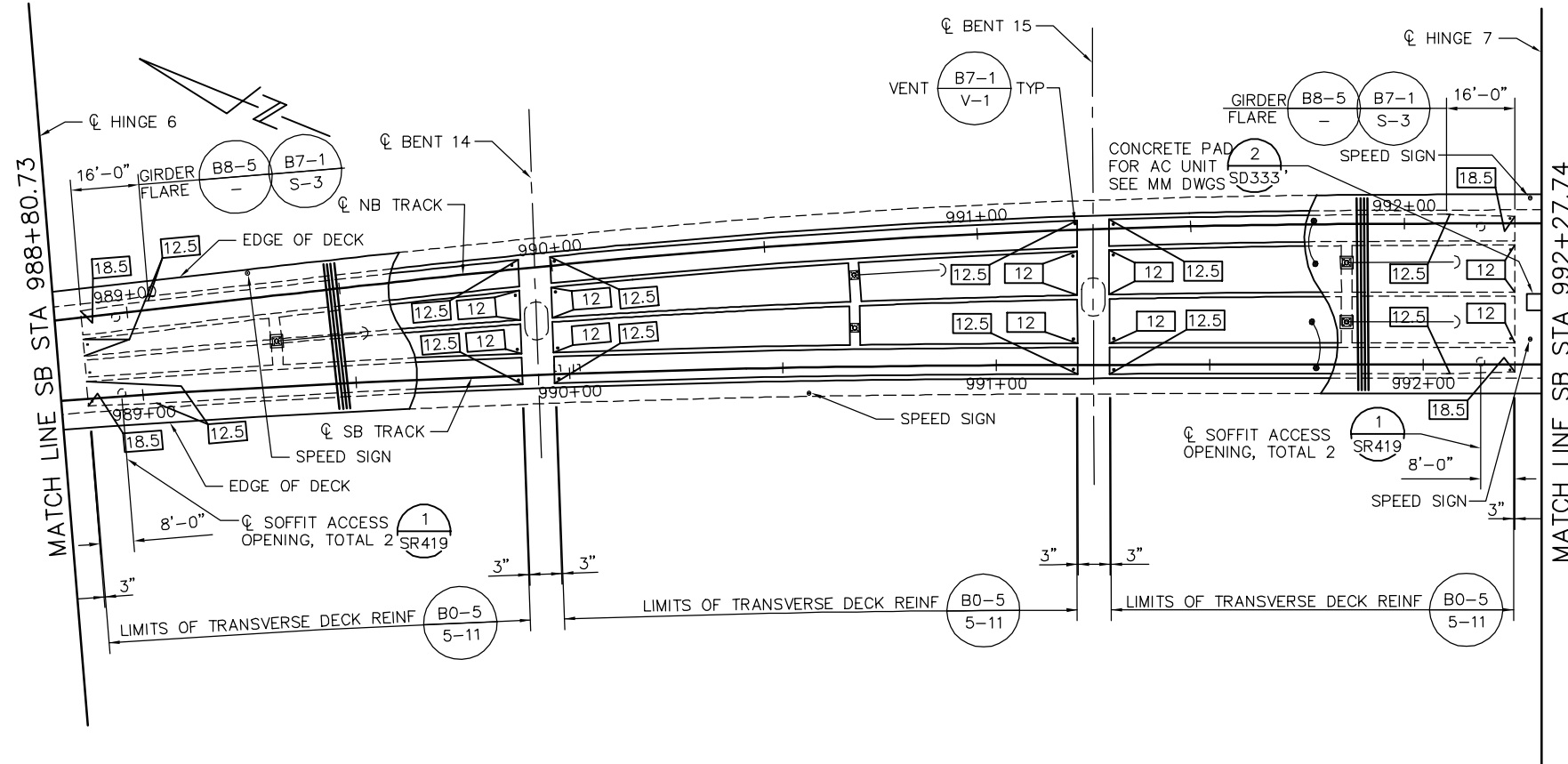
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

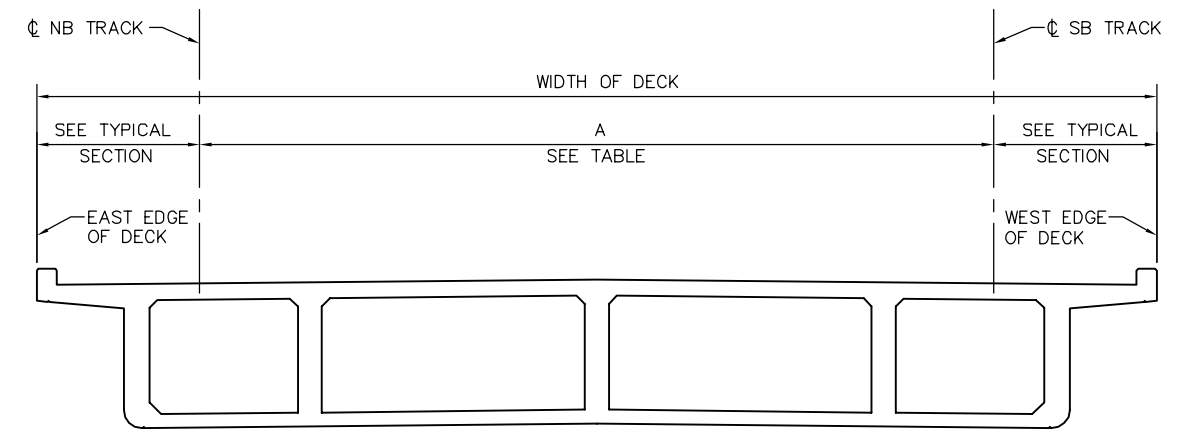
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 6

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR315
REVISION	B



GIRDER LAYOUT - FRAME 7
1" = 20'



DECK DIMENSIONS - FRAME 7
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 6	988+80.73	18.79'
BENT 14	989+92.73	25.13'
BENT 15	991+22.73	31.79'
HINGE 7	992+27.74	33.08'

DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

* 270 KSI LOW RELAXATION STRAND:

- PJACK = 5800 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 5

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.892$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO END STRESSING MUST BE PERFORMED

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002/FT$.

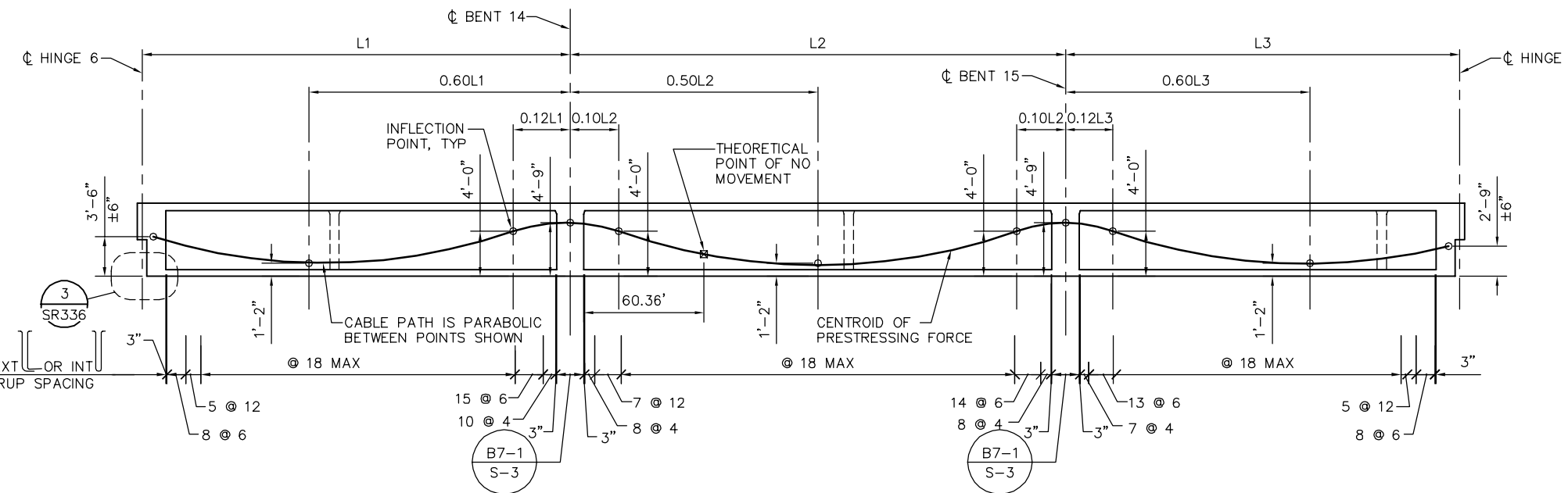
NOTES:

1. L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
2. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- INDICATES TES POLE ON STRUCTURE
- \rightarrow INDICATES GUY ANCHOR
- \bullet SPEED SIGN

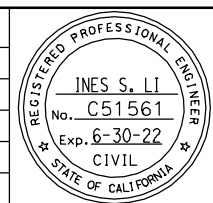
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 7
NTS

SMH Jun 21, 2020 - 10:20am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SR316.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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865 The Alameda
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408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR316.dwg

Santa Clara Valley
Transportation
Authority

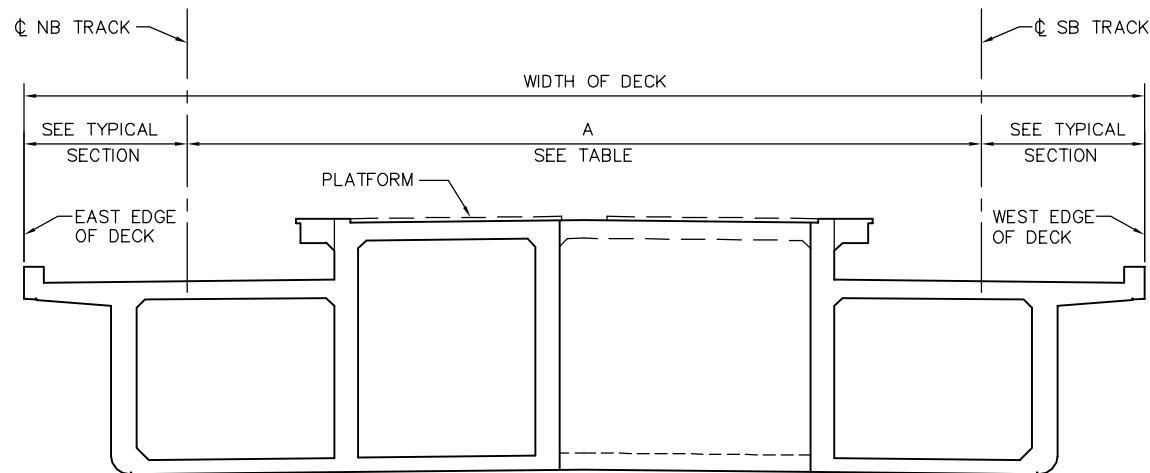
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 7

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR316 REVISION B



DECK DIMENSIONS - FRAME 8
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 7	992+27.74	33.08'
BENT 16	992+47.73	33.08'
BENT 17	993+98.17	33.08'
BENT 18	995+77.11	33.08'
HINGE 8	996+11.28	33.08'

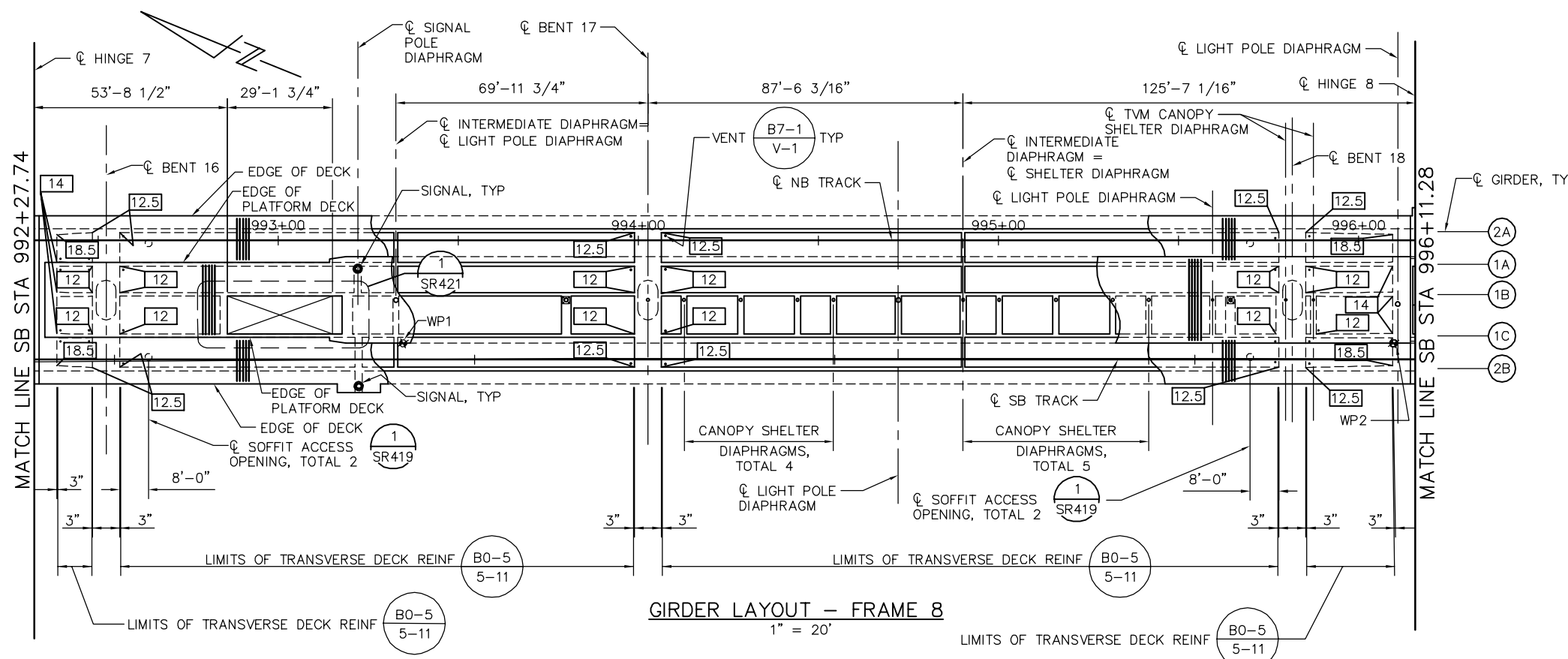
* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

NOTES:

- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.
- FOR INTERMEDIATE DIAPHRAGM DETAILS, SEE "GIRDER DETAILS No. 4" SHEET.
- FOR CANOPY SHELTER COLUMN & LIGHT POLE FOUNDATION DETAILS, SEE "MISCELLANEOUS DETAILS" SHEET.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- INDICATES TES POLE ON STRUCTURE
- INDICATES WP# PER TG DWGS
- INDICATES SIGNAL POLE
- 1 INDICATES GIRDER STIRRUP DESIGNATION

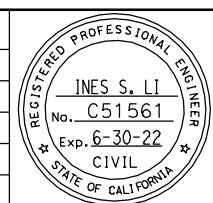


GIRDER LAYOUT - FRAME 8
1" = 20'

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
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DESIGNED
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CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SR317.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
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CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

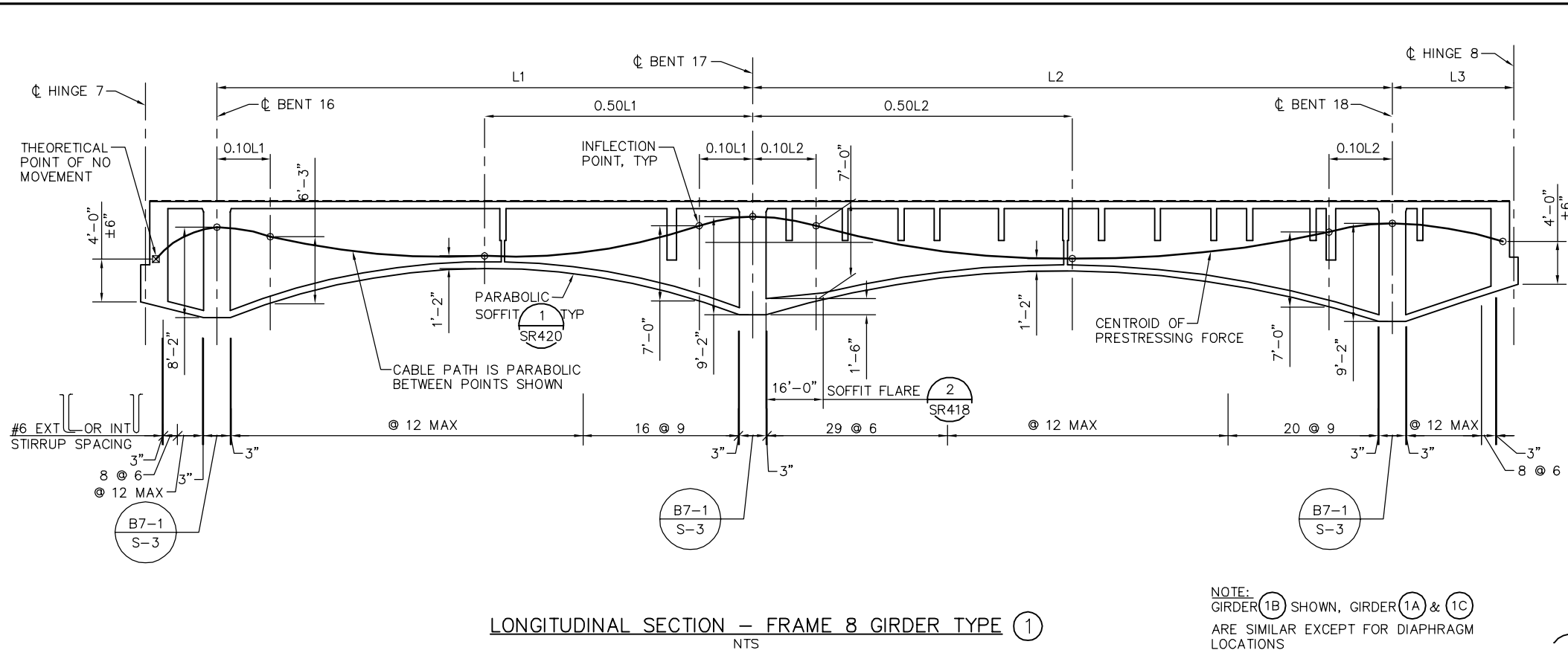
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 8-1

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF	
DRAWING NO.	SR317
REVISION	B

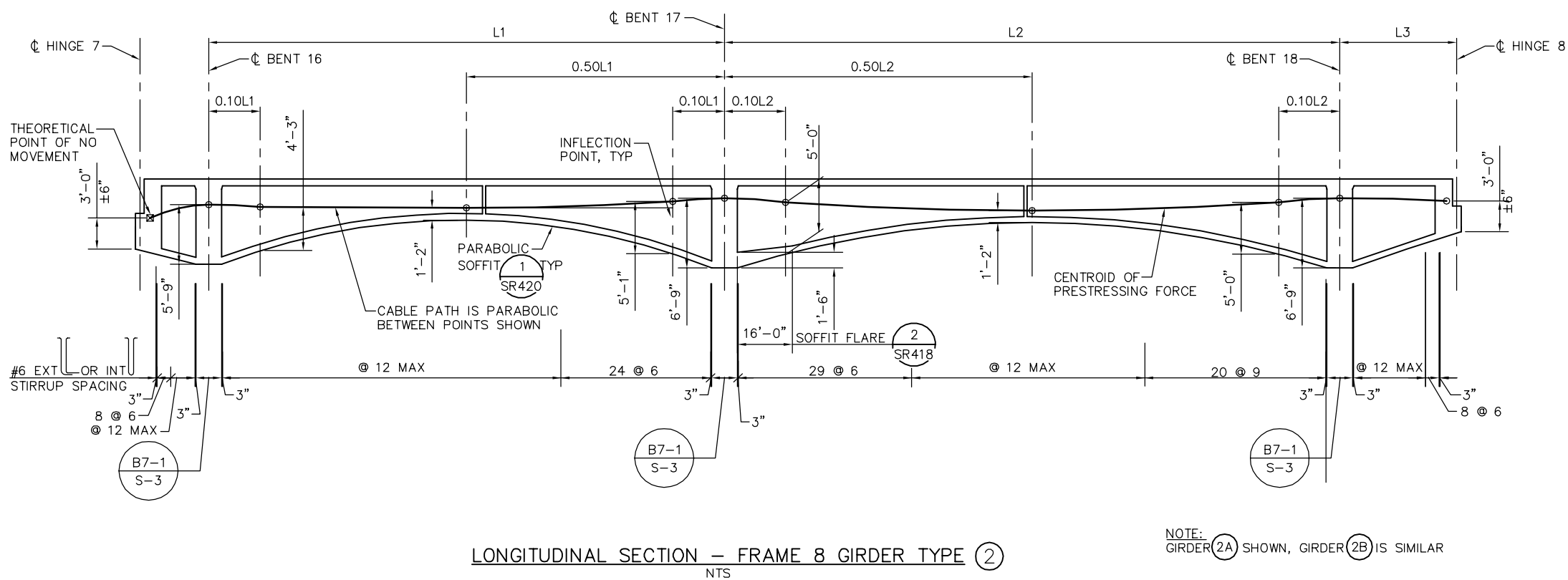


LONGITUDINAL SECTION - FRAME 8 GIRDER TYPE 1
NTS

NOTE:
GIRDER 1B SHOWN, GIRDER 1A & 1C
ARE SIMILAR EXCEPT FOR DIAPHRAGM
LOCATIONS

PRESTRESSING NOTES - FRAME 8 GIRDER TYPE 1

270 KSI LOW RELAXATION STRAND:
 PJACK = 7800 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 3
 DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS
 MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO
 SMALLER FORCE)
 CONCRETE: $f'_c = 5000$ PSI @ 28 DAYS
 $f'_{ci} = 4500$ PSI @ TIME OF STRESSING
 CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON
 INITIAL STRESS AT $\square = 0.790$ TIMES JACKING STRESS
 \square DENOTES THEORETICAL POINT OF NO MOVEMENT
 ONE END STRESSING MUST BE PERFORMED FROM HINGE 8.
 PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT
 $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$
 NOTES:
 1. L1 AND L2 ARE MEASURED ALONG THE ϕ OF EACH GIRDER



LONGITUDINAL SECTION - FRAME 8 GIRDER TYPE 2
NTS

NOTE:
GIRDER 2A SHOWN, GIRDER 2B IS SIMILAR

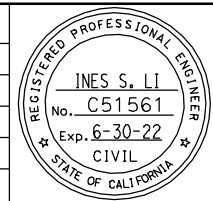
PRESTRESSING NOTES - FRAME 8 GIRDER TYPE 2

270 KSI LOW RELAXATION STRAND:
 PJACK = 4760 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 2
 DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS
 MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO
 SMALLER FORCE)
 CONCRETE: $f'_c = 5000$ PSI @ 28 DAYS
 $f'_{ci} = 4500$ PSI @ TIME OF STRESSING
 CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON
 INITIAL STRESS AT $\square = 0.852$ TIMES JACKING STRESS
 \square DENOTES THEORETICAL POINT OF NO MOVEMENT
 ONE END STRESSING MUST BE PERFORMED FROM HINGE 8.
 PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT
 $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$
 NOTES:
 1. L1 AND L2 ARE MEASURED ALONG THE ϕ OF EACH GIRDER

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:21am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\SR318.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED
 D. CHAN

CHECKED
 D. DEVLIN

DRAWN
 S. HICKEY

CADD FILENAME
 801SR318.dwg

BCA

Santa Clara Valley Transportation Authority

APPROVED

BKF100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 05/18/20

SCALE
 AS SHOWN

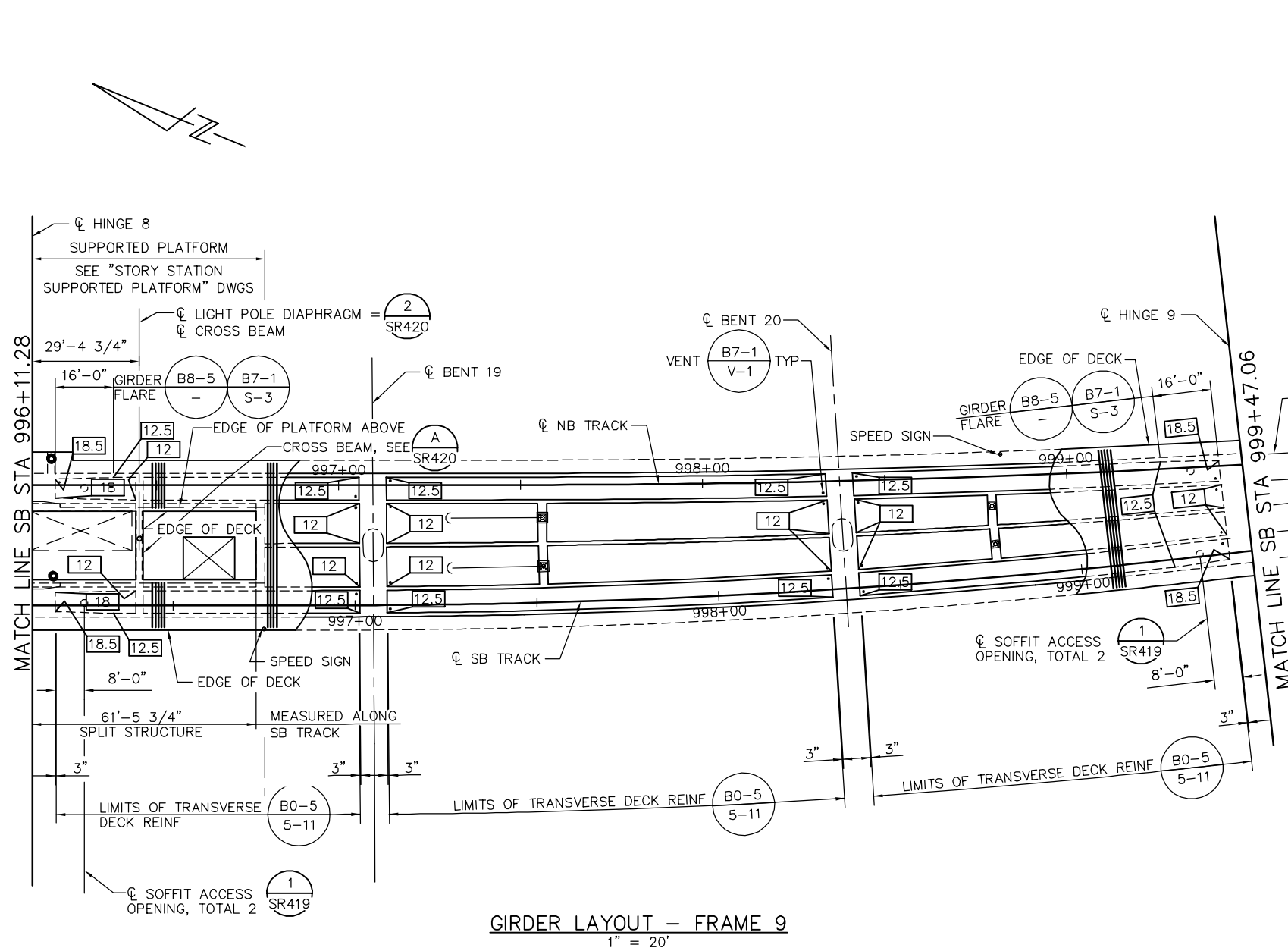
SUBMITTAL DATE
 06/29/20

BOARD APPROVAL DATE

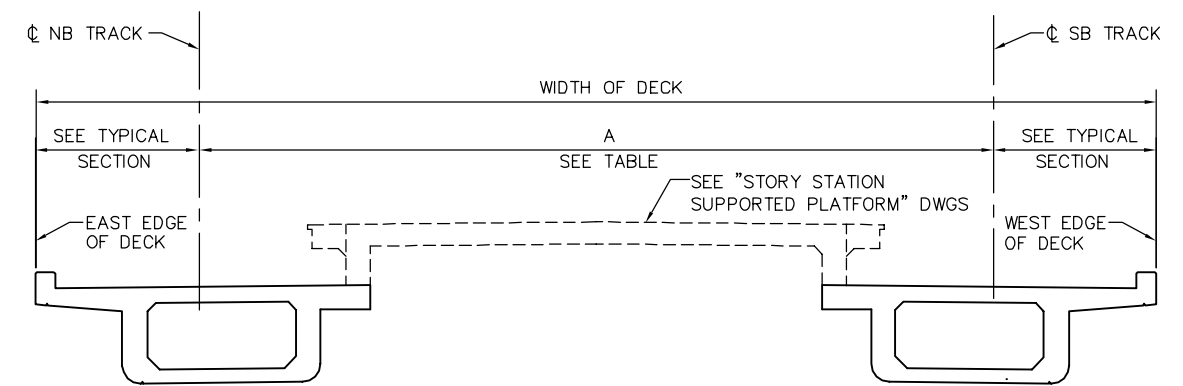
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 8-2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

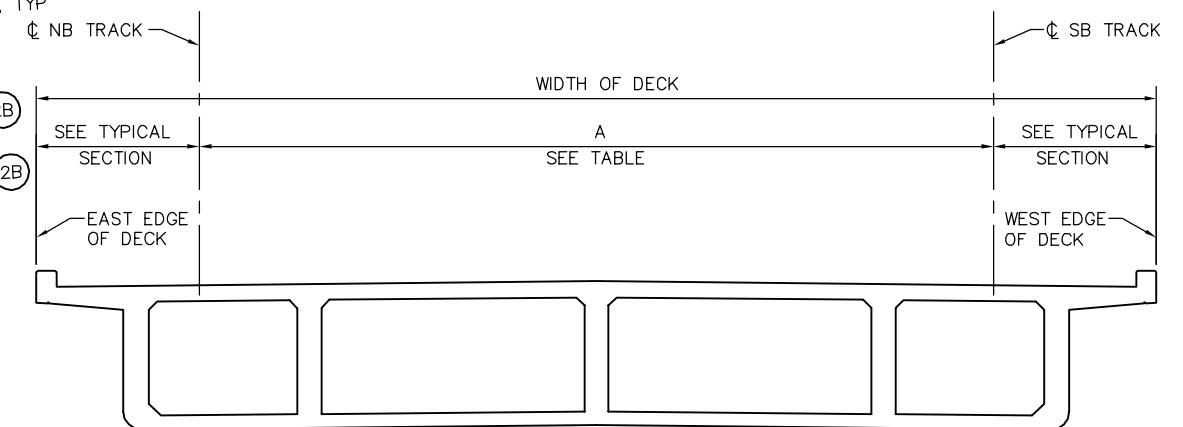
SHEET OF	
DRAWING NO.	SR318
REVISION	B



GIRDER LAYOUT - FRAME 9
1" = 20'



4-GIRDER DECK DIMENSIONS - FRAME 9
NTS



5-GIRDER DECK DIMENSIONS - FRAME 9
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE NOTE 1
HINGE 8	996+11.28	33.08'
BENT 19	997+05.06	32.98'
BENT 20	998+35.06	29.61'
HINGE 9	999+47.06	23.73'

DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

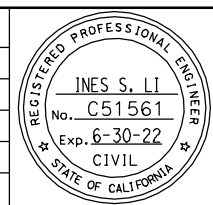
NOTE:
1. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

- LEGEND:
- INDICATES GIRDER STEM WIDTH IN INCHES
 - INDICATES TES POLE ON STRUCTURE
 - INDICATES SIGNAL POLE
 - INDICATES GIRDER STIRRUP DESIGNATION

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:22am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR319.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	11/18	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
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DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR319.dwg

Santa Clara Valley
Transportation
Authority

APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

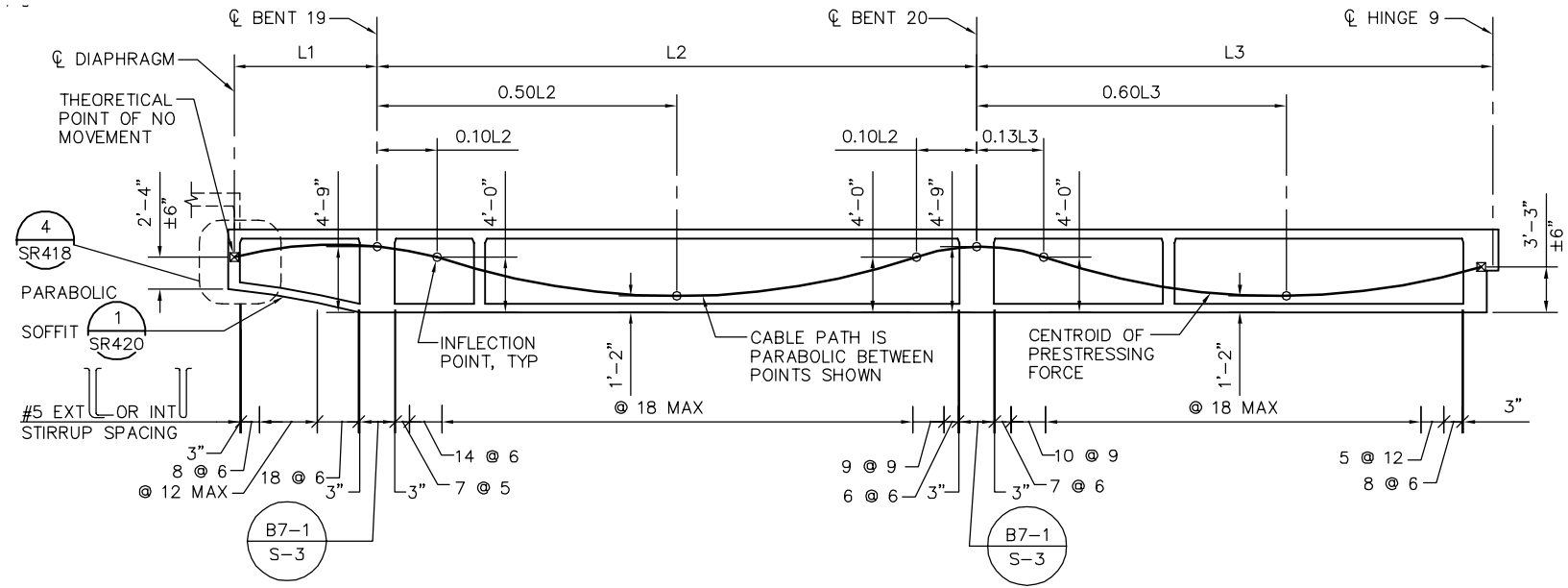
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SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 9-1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR319
REVISION	B

NOTE:
L1, L2, AND L3 ARE MEASURED ALONG THE ϕ OF EACH GIRDER



LONGITUDINAL SECTION - FRAME 9 GIRDER TYPE ①

PRESTRESSING NOTES - FRAME 9 GIRDER TYPE ①

270 KSI LOW RELAXATION STRAND:

PJACK = 1520 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 1

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

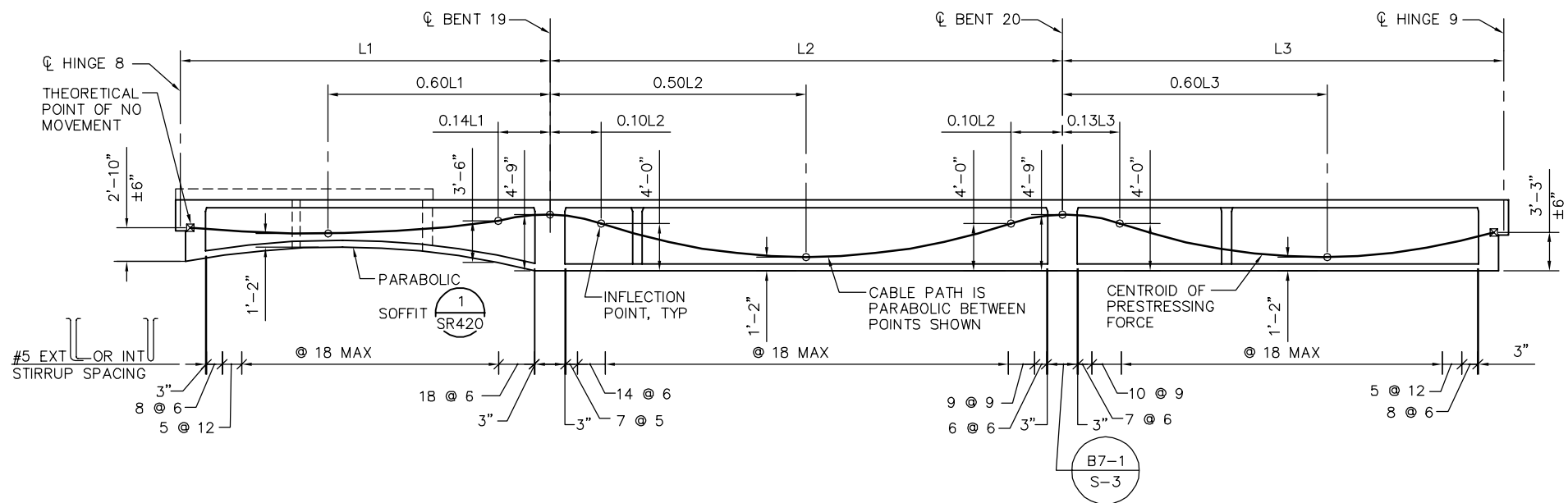
CONCRETE: $f'_c = 5000$ PSI @ 28 DAYS
 $f'_{ci} = 4500$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\boxtimes = 0.842$ TIMES JACKING STRESS

\boxtimes DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 9.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$



LONGITUDINAL SECTION - FRAME 9 GIRDER TYPE ②B

PRESTRESSING NOTES - FRAME 9 GIRDER TYPE ②

270 KSI LOW RELAXATION STRAND:

PJACK = 6100 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 5000$ PSI @ 28 DAYS
 $f'_{ci} = 4500$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\boxtimes = 0.819$ TIMES JACKING STRESS

\boxtimes DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 9.

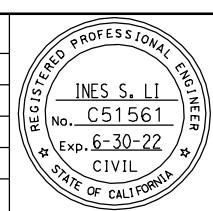
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

NOTE:
GIRDER ②A ARE SAME AS ②B EXCEPT FOR DIAPHRAGM LOCATIONS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:22am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR320.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	11/18	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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DRAWN: S. HICKEY

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CADD FILENAME: 801SR320.dwg

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

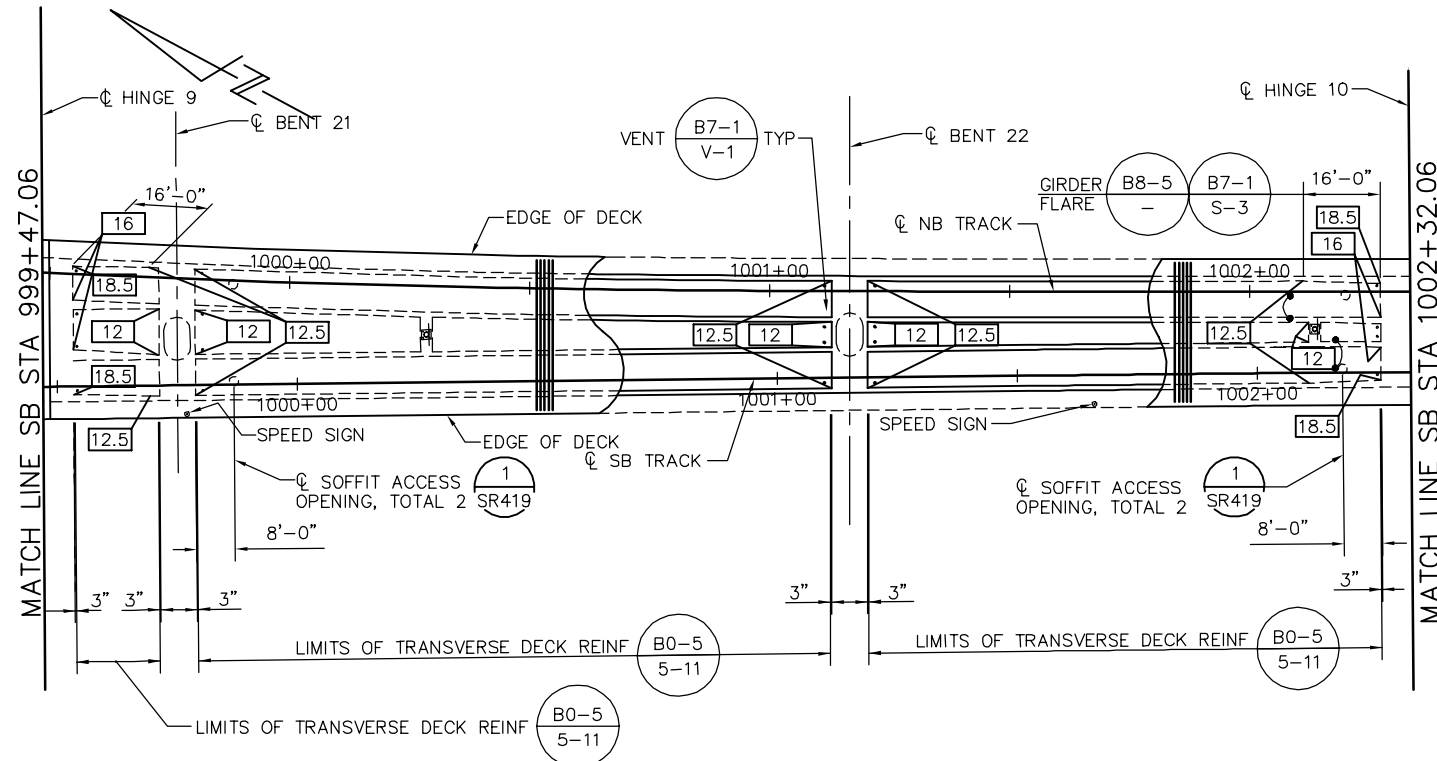
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

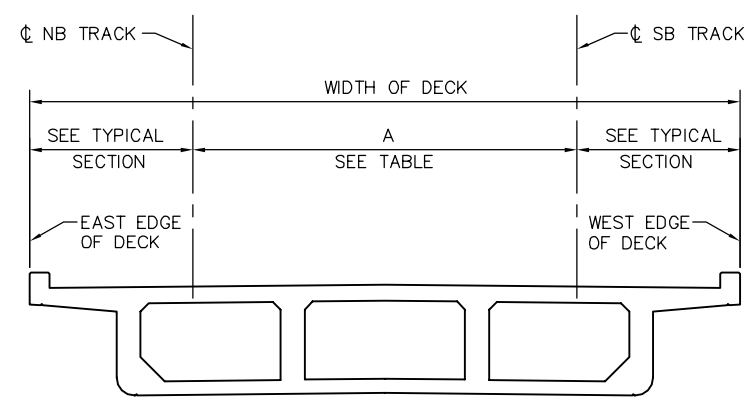
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 9-2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SR320
REVISION B



GIRDER LAYOUT - FRAME 10
1" = 20'



DECK DIMENSIONS - FRAME 10
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 9	999+47.08	23.72'
BENT 21	999+75.05	22.24'
BENT 22	1001+15.06	18.04'
HINGE 10	1002+32.06	16.76'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

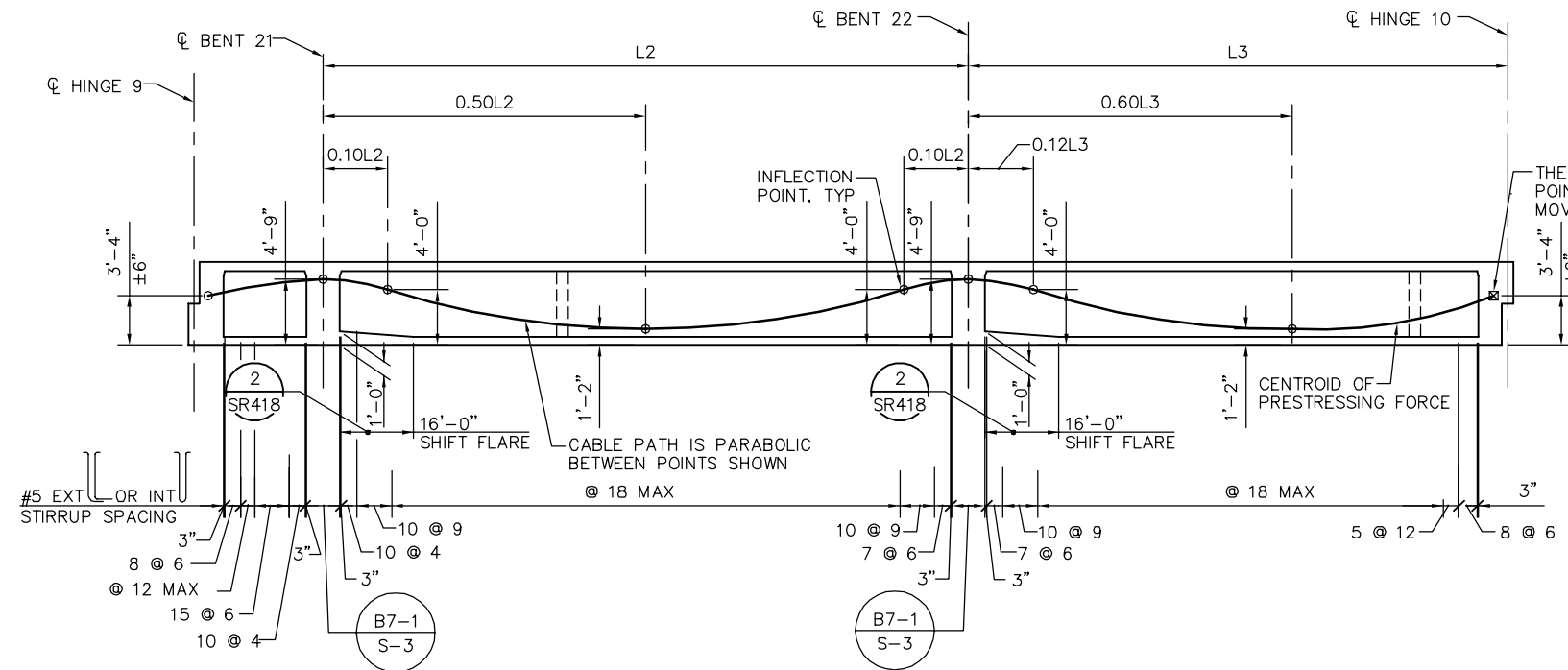
270 KSI LOW RELAXATION STRAND:
 PJACK = 9320 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4
 DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)
 CONCRETE: f'c = 4000 PSI @ 28 DAYS
 f'ci = 4000 PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT \square = 0.836 TIMES JACKING STRESS
 \square DENOTES THEORETICAL POINT OF NO MOVEMENT
 ONE END STRESSING MUST BE PERFORMED FROM HINGE 9.
 PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT μ = 0.15 AND FRICTION WOBBLE COEFFICIENT K=0.0002/FT.

NOTES:
 1. L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
 2. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

- LEGEND:
 \square INDICATES GIRDER STEM WIDTH IN INCHES
 \square INDICATES TES POLE ON STRUCTURE
 • SPEED SIGN

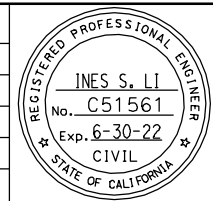
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 10
NTS

SMH Jun 21, 2020 - 10:23am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SR321.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
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 865 The Alameda
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 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR321.dwg

Santa Clara Valley
 Transportation
 Authority

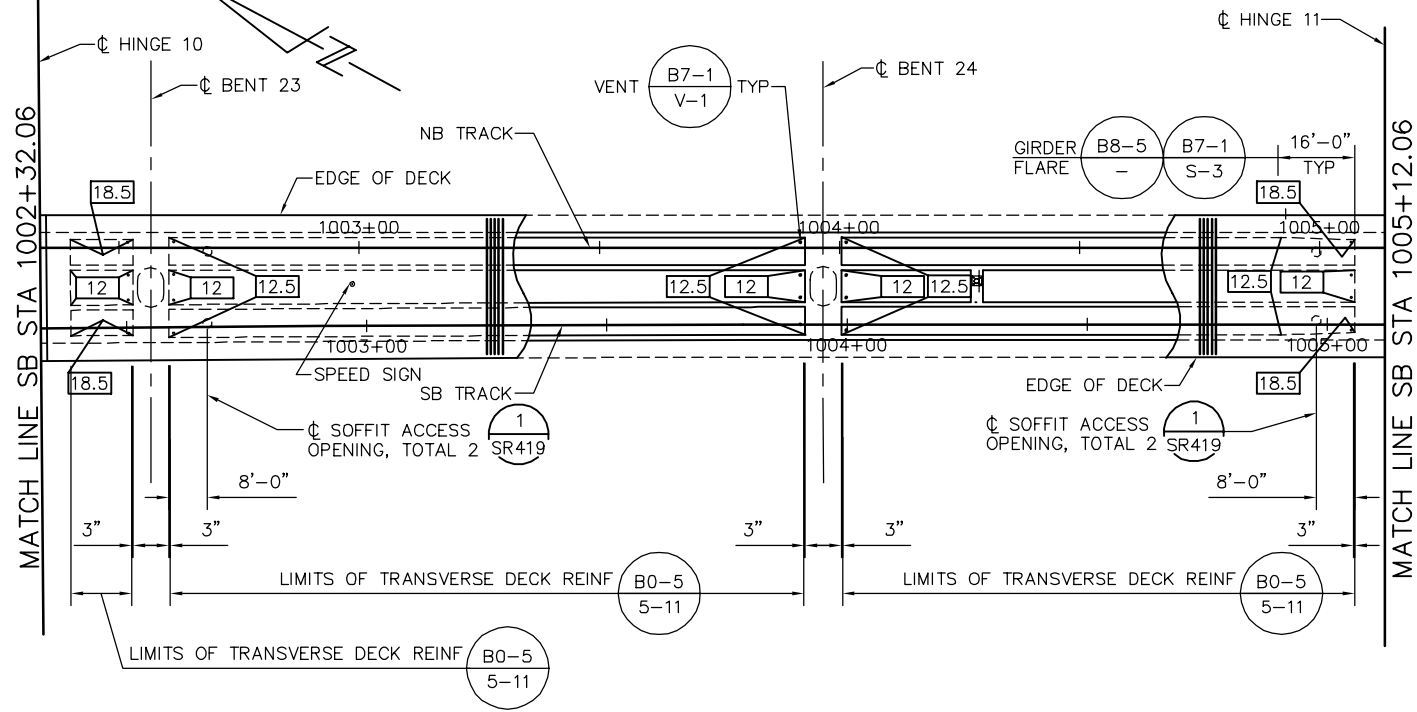
APPROVED
BKF100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

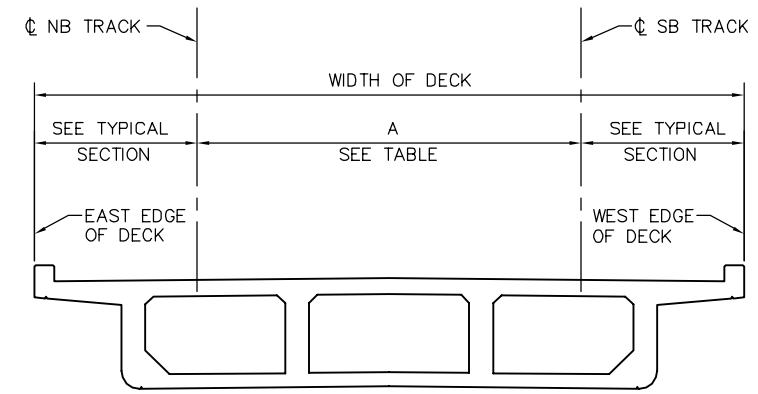
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 10

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR321
REVISION	B



GIRDER LAYOUT - FRAME 11
1" = 20'



DECK DIMENSIONS - FRAME 11
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 10	1002+32.06	16.74'
BENT 23	1002+55.06	16.55'
BENT 24	1003+95.06	16.00'
HINGE 11	1005+12.06	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6110 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\sigma = 0.823$ TIMES JACKING STRESS

☒ DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 10.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

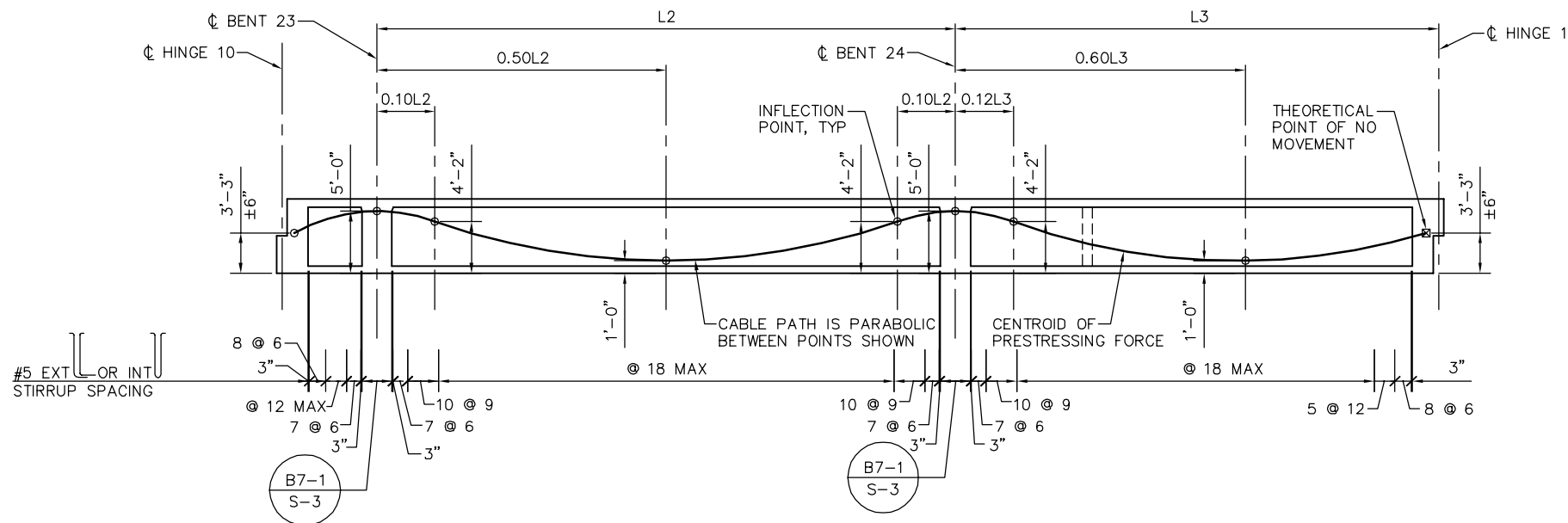
NOTES:

- L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- INDICATES TES POLE ON STRUCTURE
- SPEED SIGN

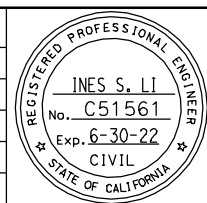
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 11
NTS

SMH Jun 21, 2020 - 10:24am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR322.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR322.dwg

Santa Clara Valley
Transportation
Authority

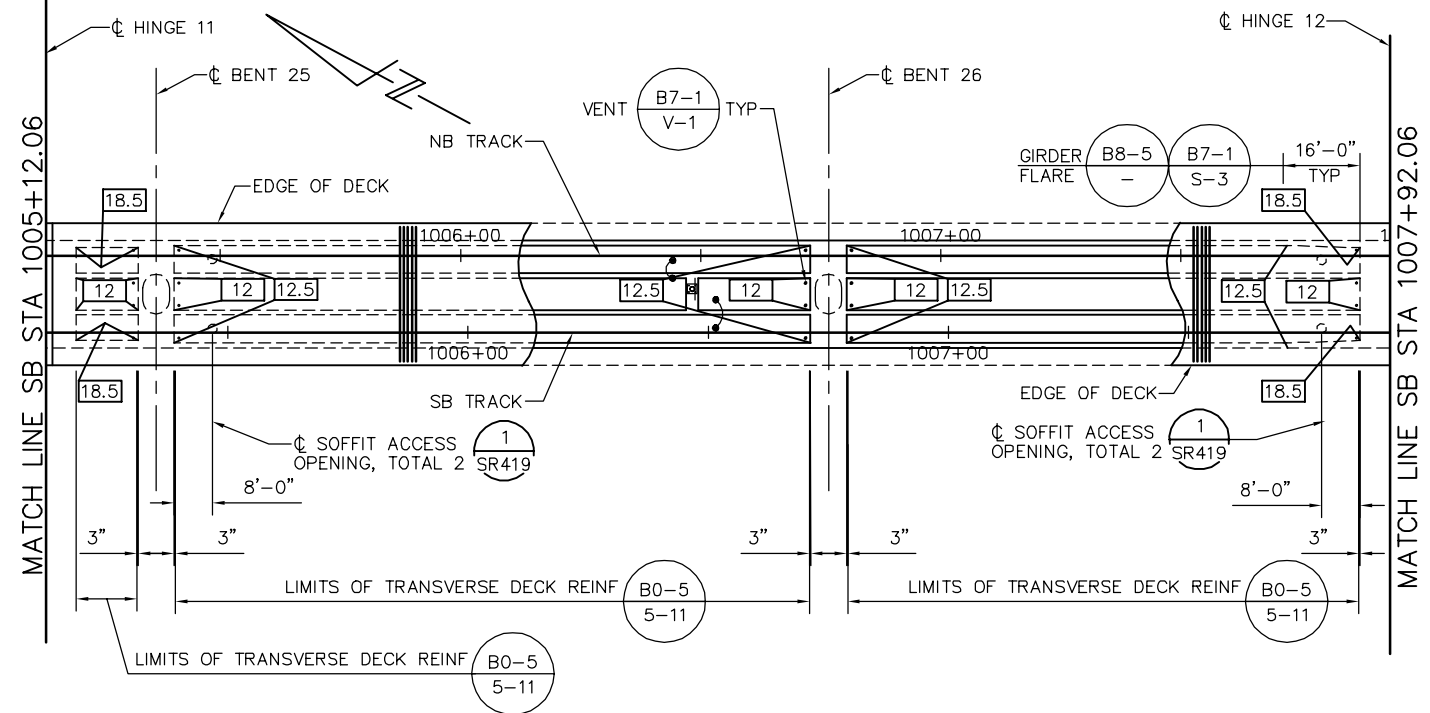
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

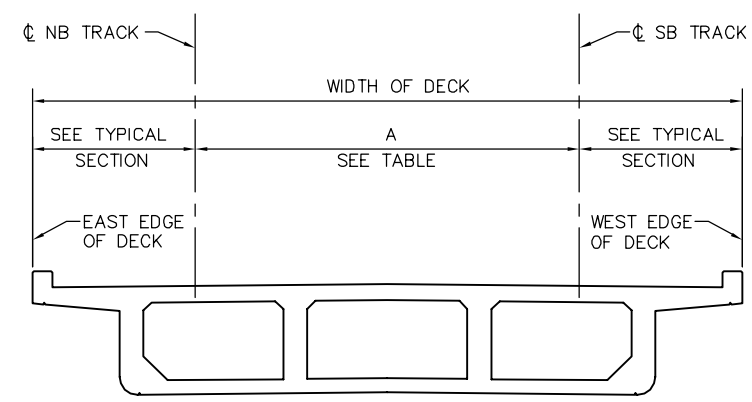
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 11

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR322
REVISION	B



GIRDER LAYOUT - FRAME 12
1" = 20'



DECK DIMENSIONS - FRAME 12
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 11	1005+12.06	16.00'
BENT 25	1005+35.06	16.00'
BENT 26	1006+75.06	16.00'
HINGE 12	1007+92.06	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6000 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\sigma = 0.824$ TIMES JACKING STRESS

☒ DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 11.

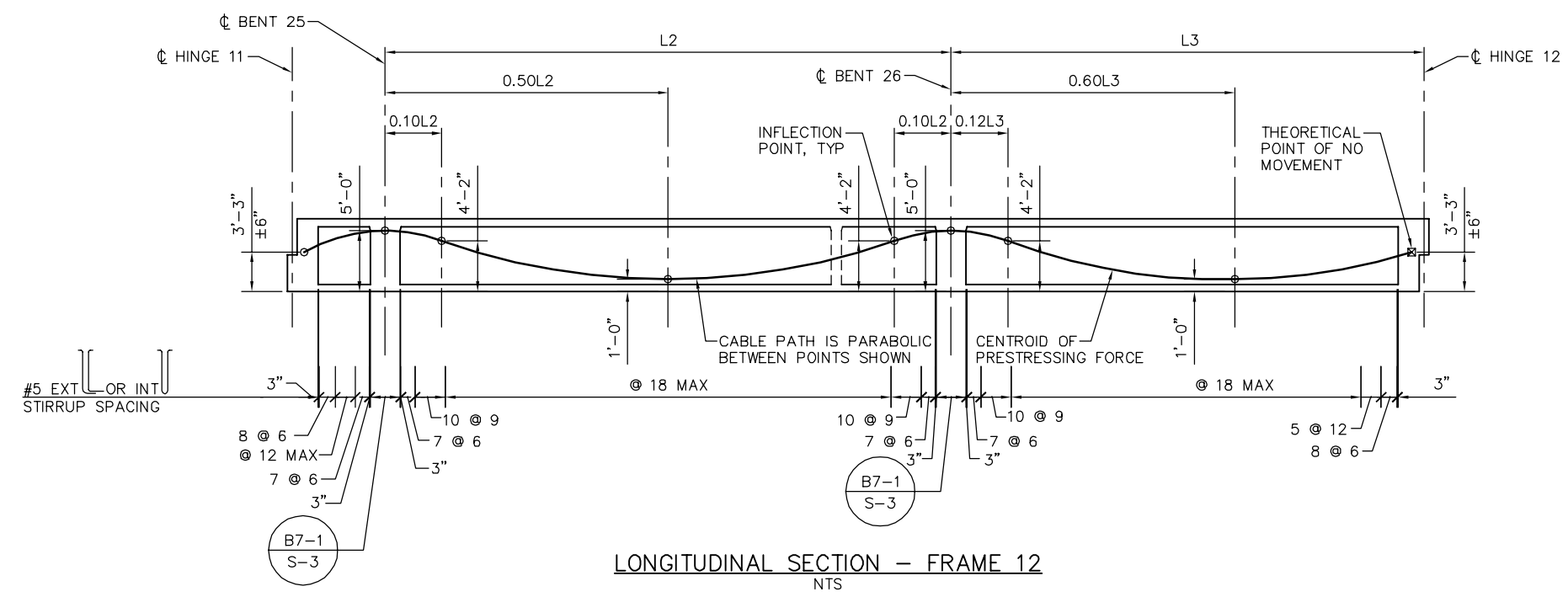
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

NOTES:

1. L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
2. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- ☐ INDICATES GIRDER STEM WIDTH IN INCHES
- ☒ INDICATES TES POLE ON STRUCTURE

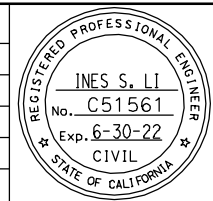


LONGITUDINAL SECTION - FRAME 12
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:25am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR323.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR323.dwg

Santa Clara Valley
Transportation
Authority

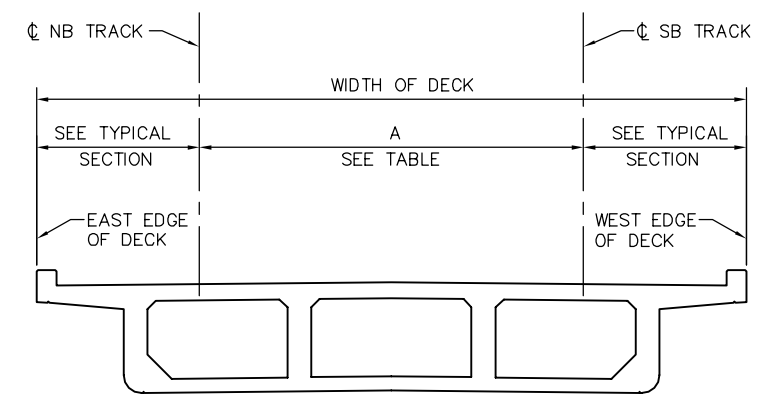
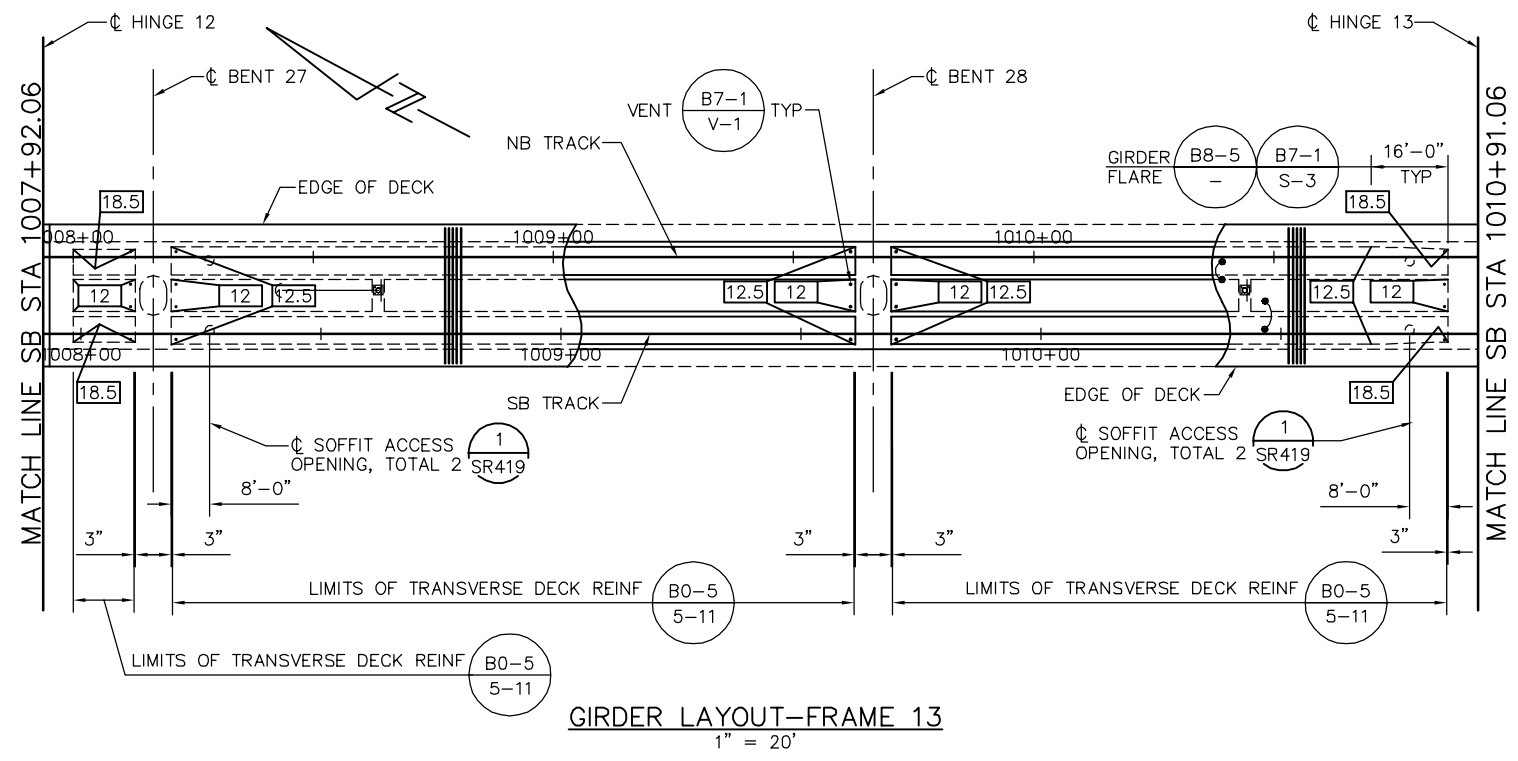
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 12

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR323
REVISION	B



DECK DIMENSIONS - FRAME 13
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 12	1007+92.06	16.00'
BENT 27	1008+15.06	16.00'
BENT 28	1009+65.06	16.00'
HINGE 13	1010+91.06	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.
PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6040 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.903$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO END STRESSING MUST BE PERFORMED

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

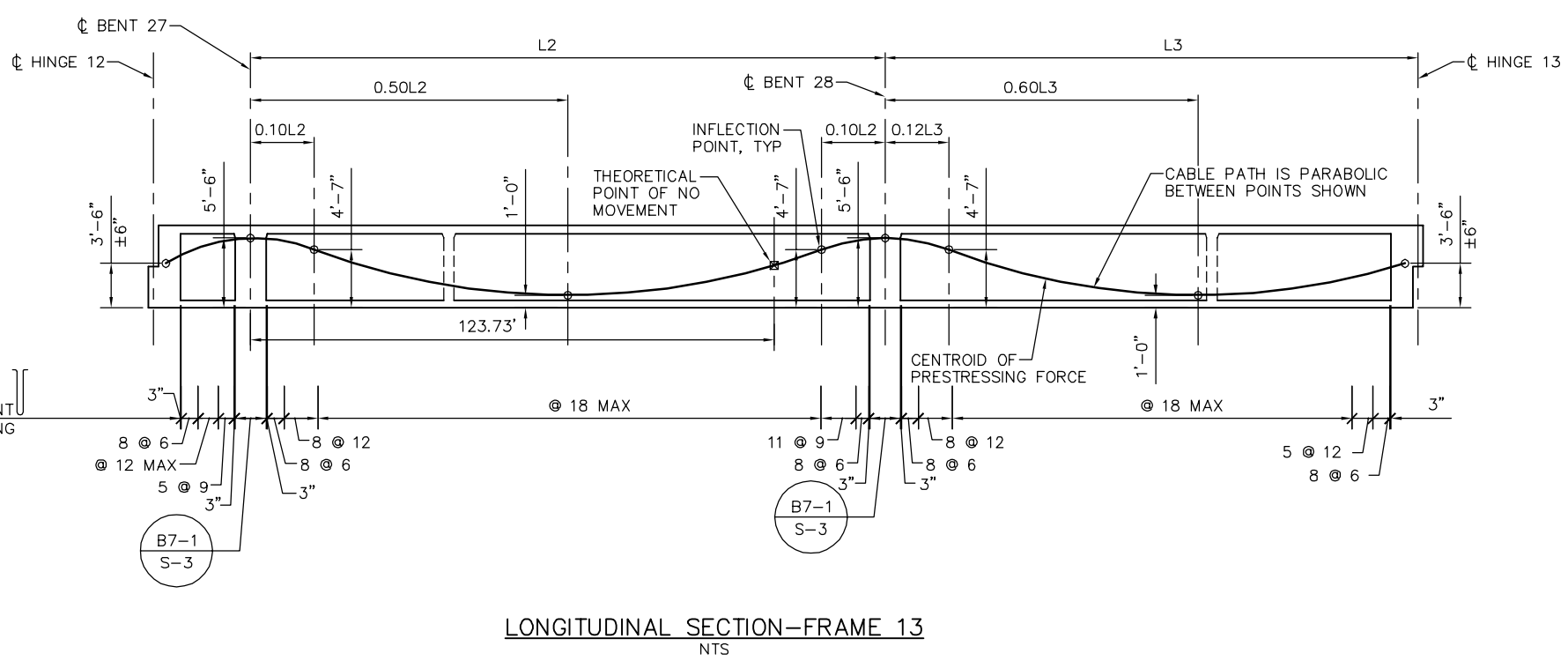
NOTES:

- L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE
- \rightarrow INDICATES GUY ANCHOR

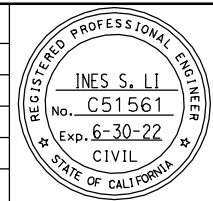
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION-FRAME 13
NTS

SMH Jun 21, 2020 - 10:26am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR324.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR324.dwg

Santa Clara Valley Transportation Authority

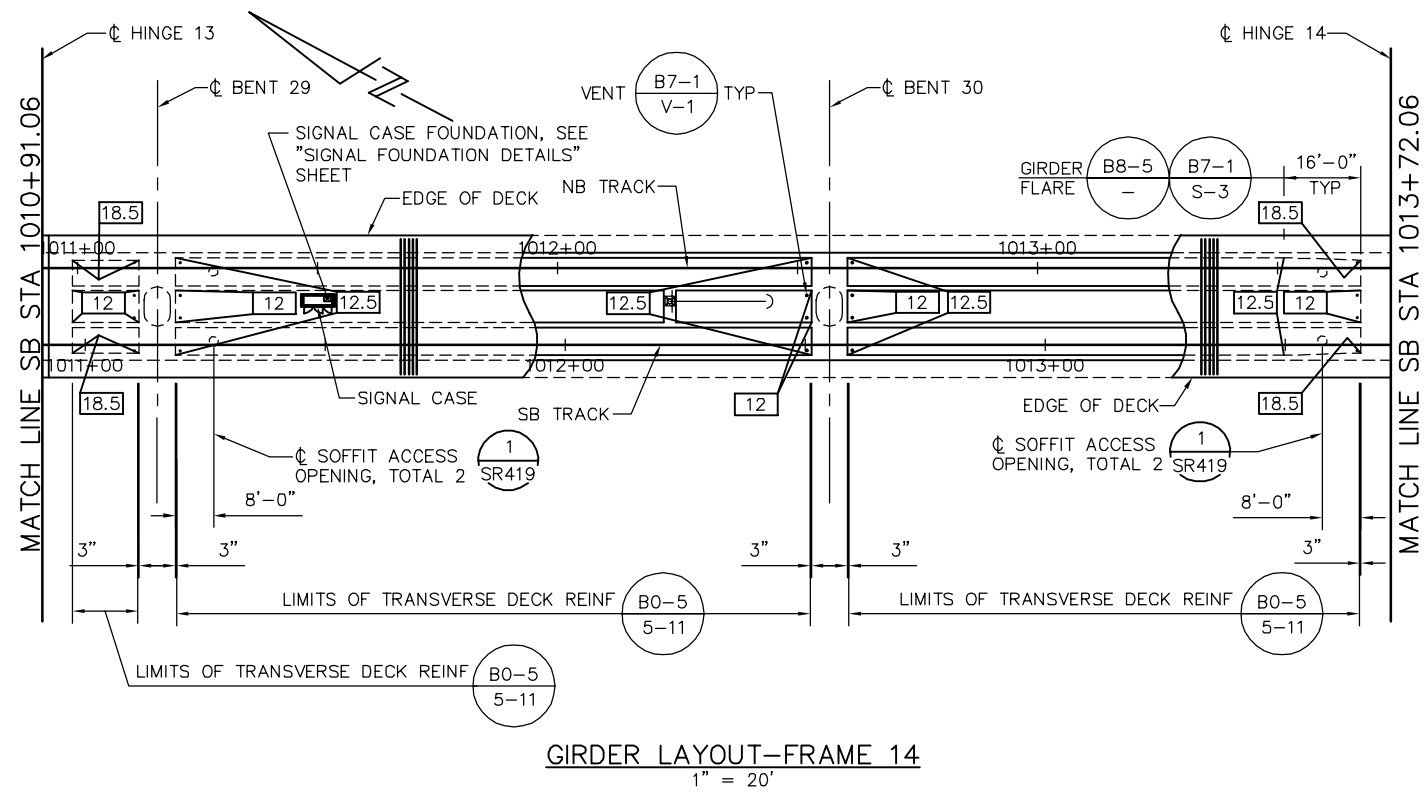
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

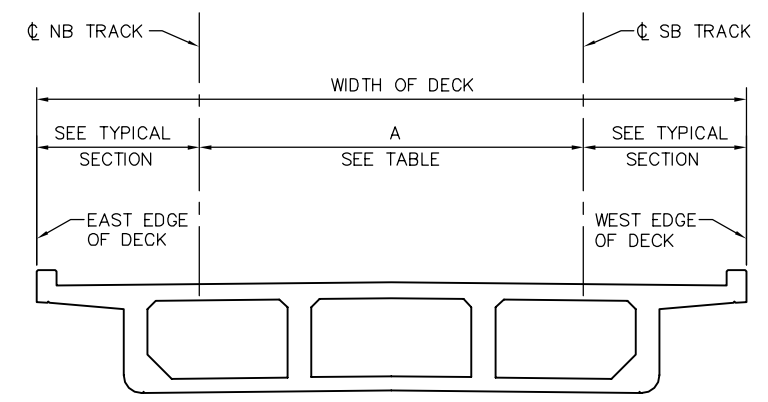
**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 13**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR324
REVISION	B



GIRDER LAYOUT-FRAME 14
1" = 20'



DECK DIMENSIONS - FRAME 14
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 13	1010+91.06	16.00'
BENT 29	1011+15.06	16.00'
BENT 30	1012+55.06	16.00'
HINGE 14	1013+72.06	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6280 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

☒ DENOTES THEORETICAL POINT OF NO MOVEMENT
CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT ☒ = 0.810 TIMES JACKING STRESS

ONE END STRESSING MUST BE PERFORMED FROM HINGE 13.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002$ /FT.

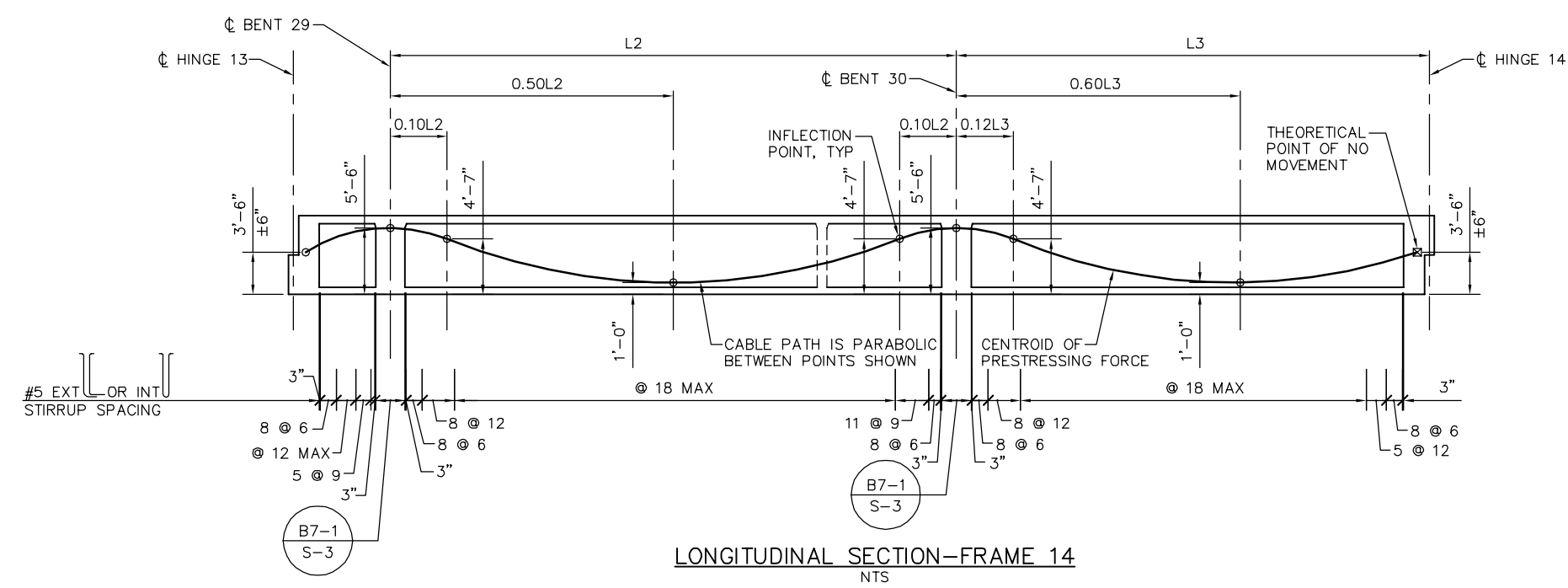
NOTES:

1. L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
2. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- ☐ INDICATES GIRDER STEM WIDTH IN INCHES
- ☒ INDICATES TES POLE ON STRUCTURE
- INDICATES GUY ANCHOR

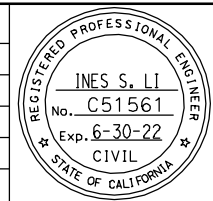
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION-FRAME 14
NTS

SMH Jun 21, 2020 - 10:27am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SR325.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR325.dwg

Santa Clara Valley
Transportation
Authority

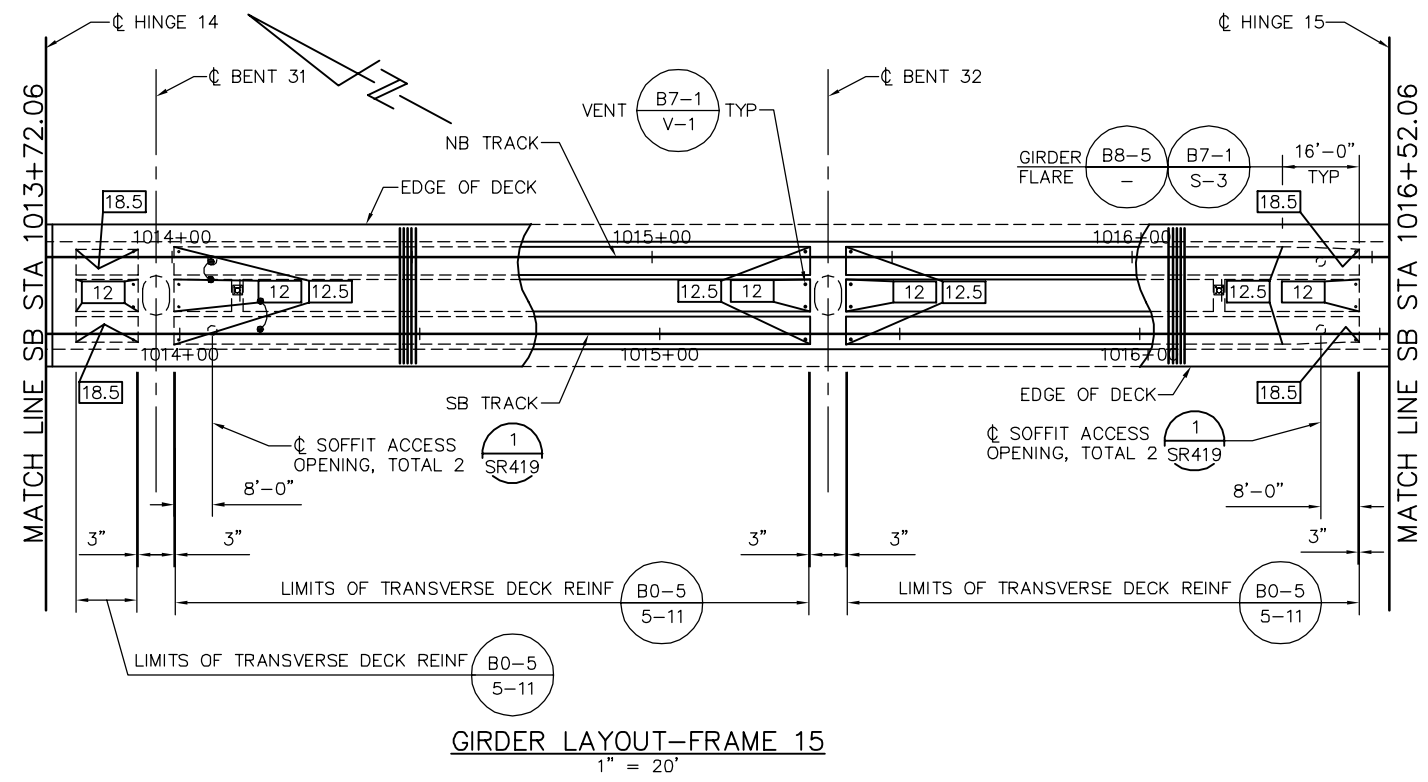
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

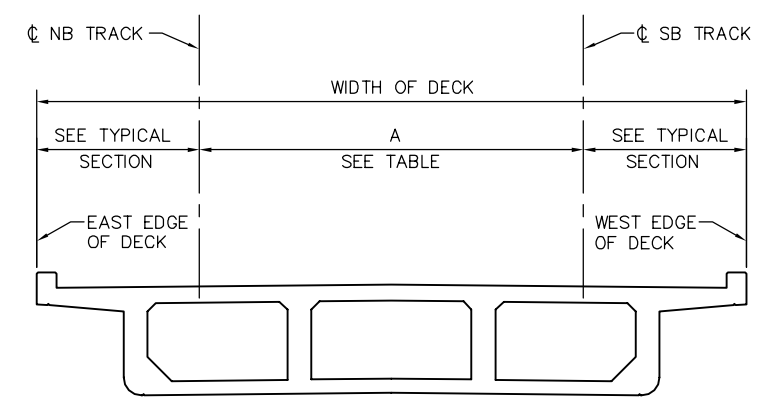
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 14

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SR325	REVISION B



GIRDER LAYOUT-FRAME 15
1" = 20'



DECK DIMENSIONS - FRAME 15
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 14	1013+72.06	16.00'
BENT 31	1013+95.06	16.00'
BENT 32	1015+35.06	16.00'
HINGE 15	1016+52.06	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 5670 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\sigma = 0.809$ TIMES JACKING STRESS

☒ DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 14.

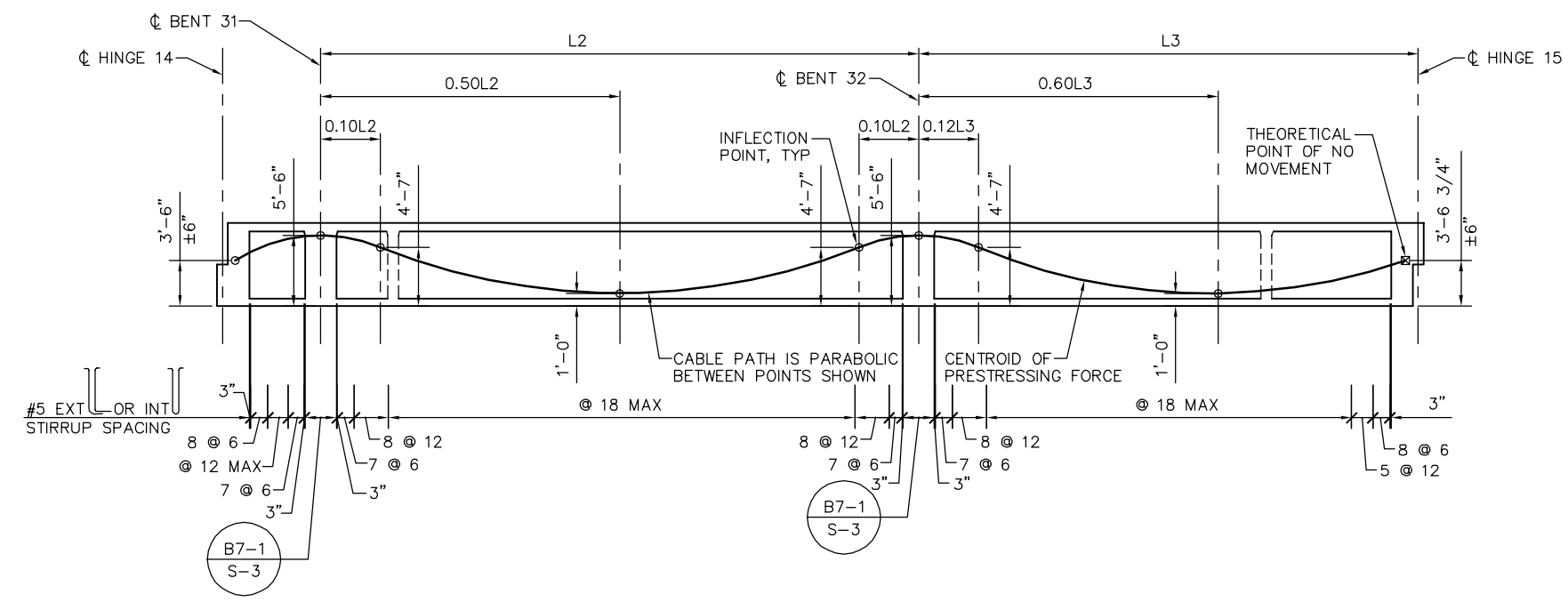
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

NOTES:

1. L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
2. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- ☐ INDICATES GIRDER STEM WIDTH IN INCHES
- ☒ INDICATES TES POLE ON STRUCTURE

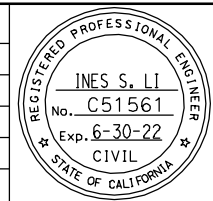


LONGITUDINAL SECTION-FRAME 15
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:27am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\00SR326.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR326.dwg

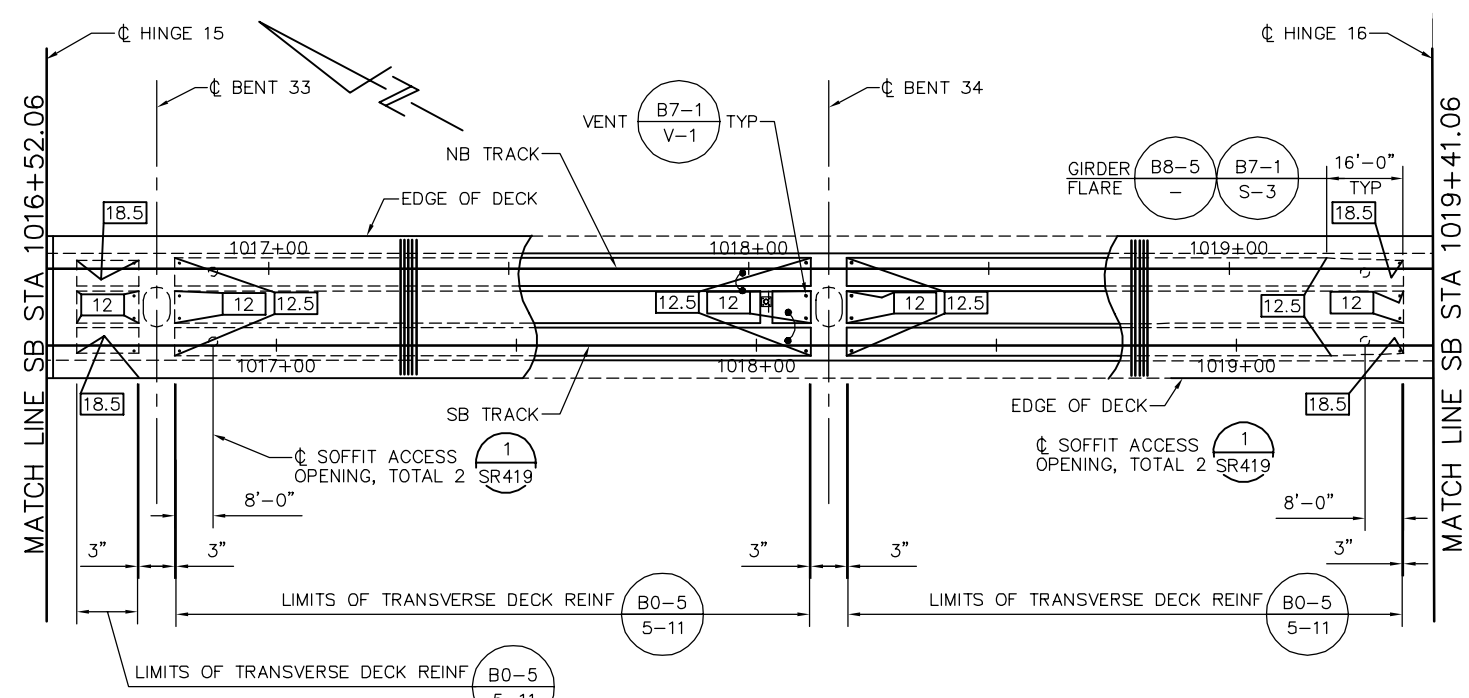
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

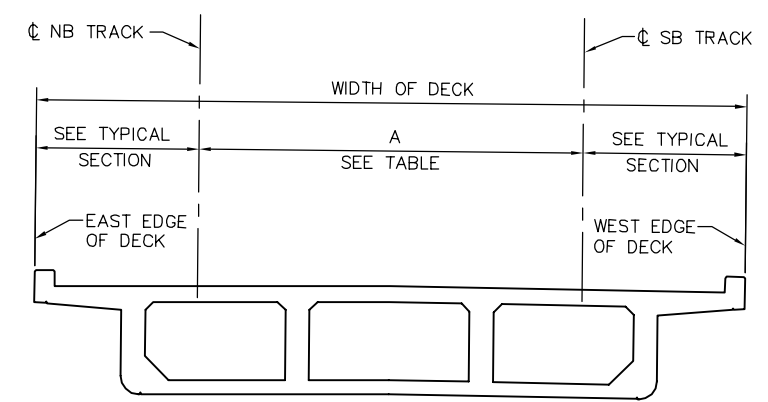
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 15

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SR326	REVISION B



GIRDER LAYOUT-FRAME 16
1" = 20'



DECK DIMENSIONS - FRAME 16
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 15	1016+52.06	16.00'
BENT 33	1016+75.06	16.00'
BENT 34	1018+15.06	16.00'
HINGE 16	1019+41.06	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6060 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT \square = 0.808 TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 16.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002$ /FT.

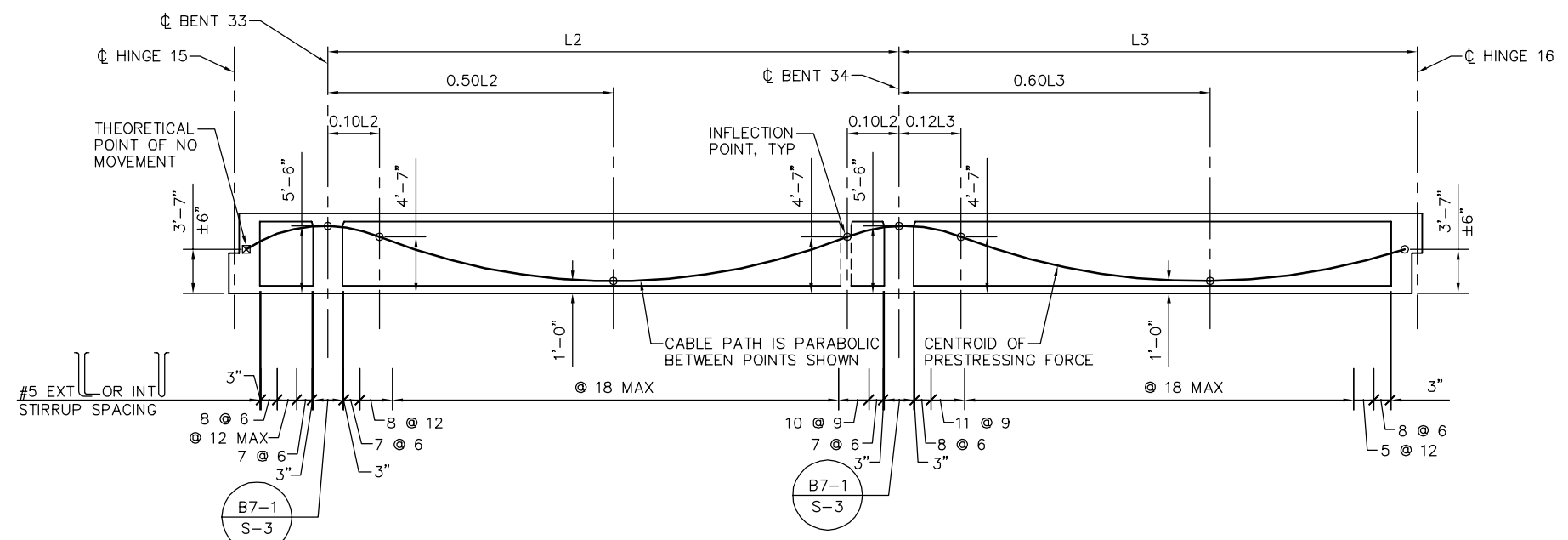
NOTES:

- L2 AND L3 ARE MEASURED ALONG THE C OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

\square INDICATES GIRDER STEM WIDTH IN INCHES

\square INDICATES TES POLE ON STRUCTURE

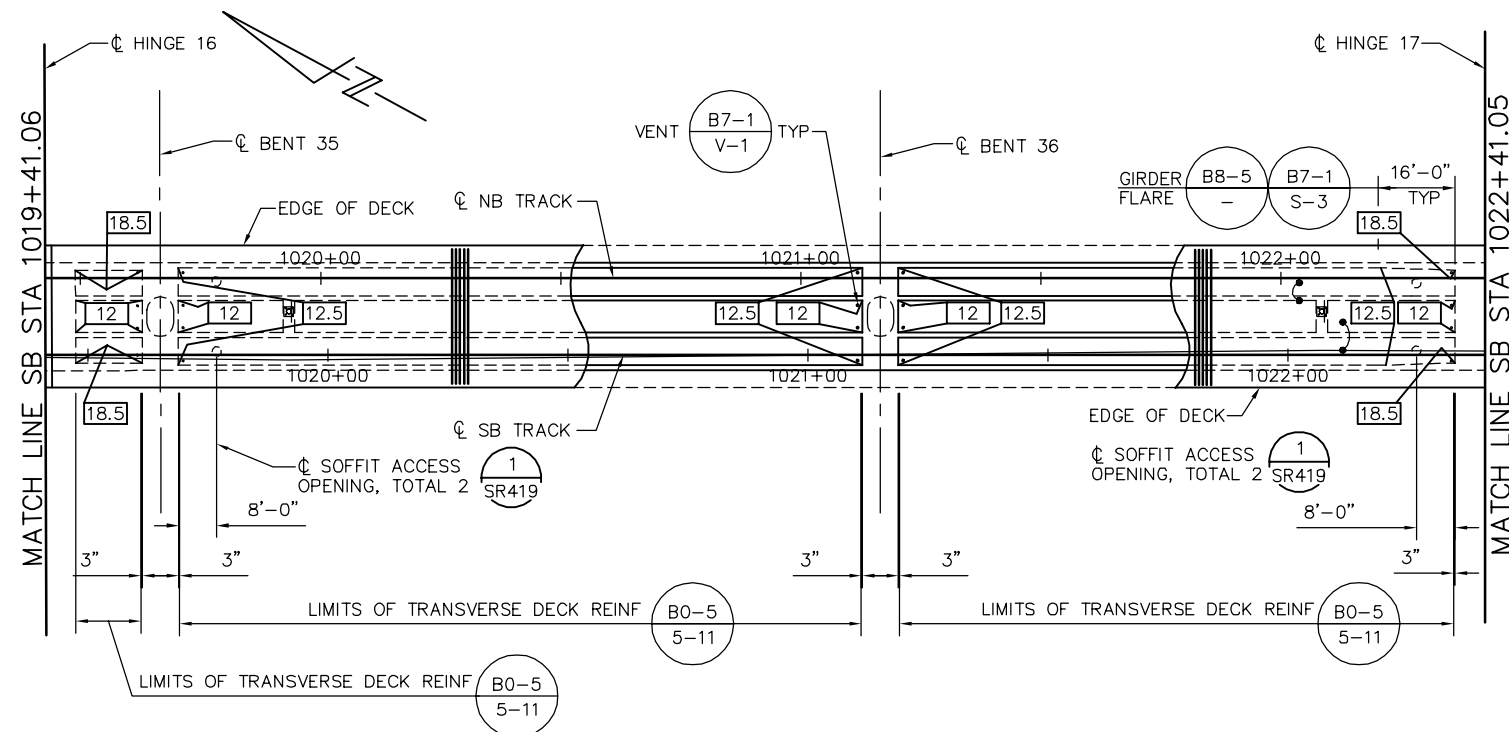


LONGITUDINAL SECTION-FRAME 16
NTS

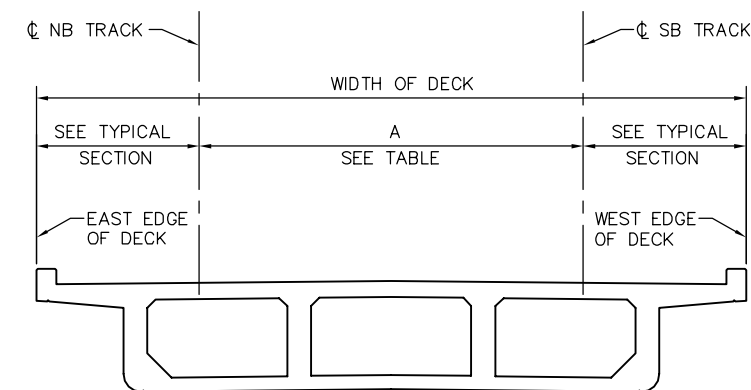
PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:28am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR327.dwg

B 06/20 95% SUBMITTAL SET A 03/19 65% SUBMITTAL SET			SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315		APPROVED 	EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY GIRDER LAYOUT - FRAME 16		SHEET OF DRAWING NO. SR327		
NO.	DATE		REVISIONS		DESIGNED D. CHAN S. HICKEY	CHECKED D. DEVLIN CADD FILENAME 801SR327.dwg	CADD FILE DATE 05/18/20 SUBMITTAL DATE 06/29/20	SCALE AS SHOWN BOARD APPROVAL DATE	PCA NO. 000	CONTRACT NO. C801



GIRDER LAYOUT - FRAME 17
1" = 20'



DECK DIMENSIONS - FRAME 17
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 16	1019+41.06	16.00'
BENT 35	1019+65.06	16.00'
BENT 36	1021+15.06	16.00'
HINGE 17	1022+41.05	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6510 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.811$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 16.

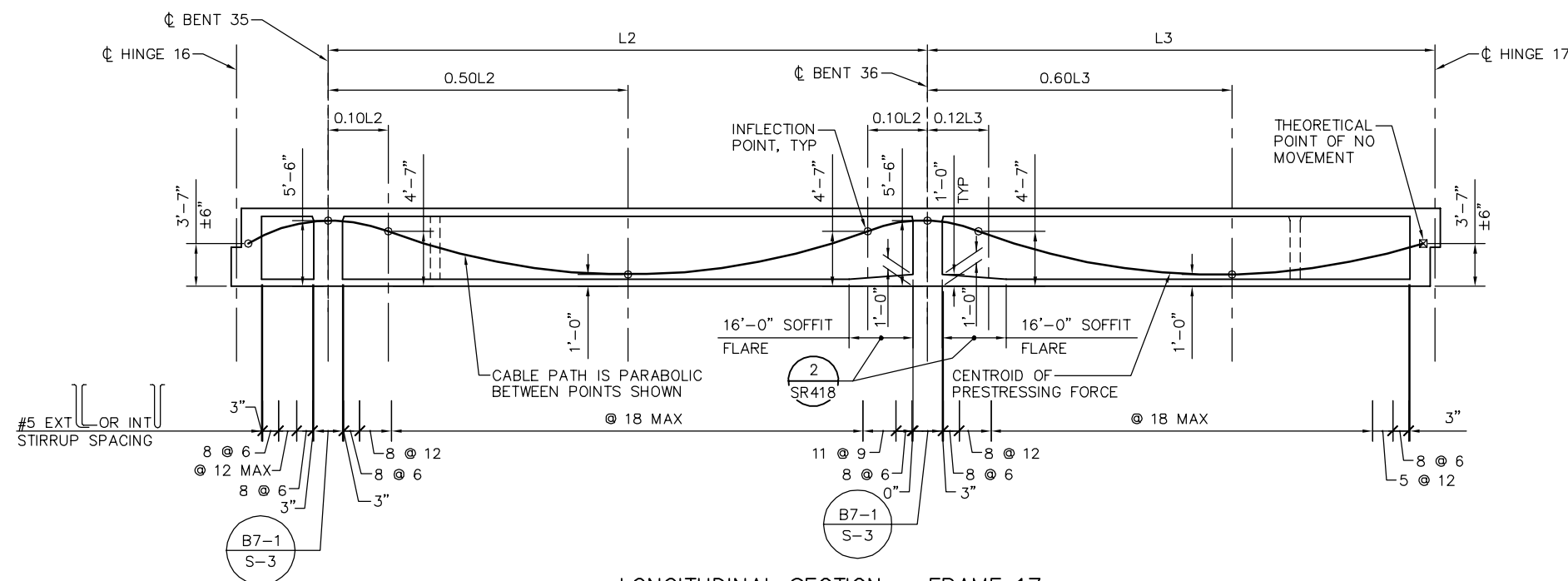
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

NOTES:

- L2 AND L3 ARE MEASURED ALONG THE C OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE

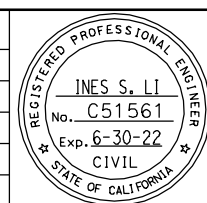


LONGITUDINAL SECTION - FRAME 17
1" = 20'

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:25am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\00SR328.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR328.dwg

Santa Clara Valley
Transportation
Authority

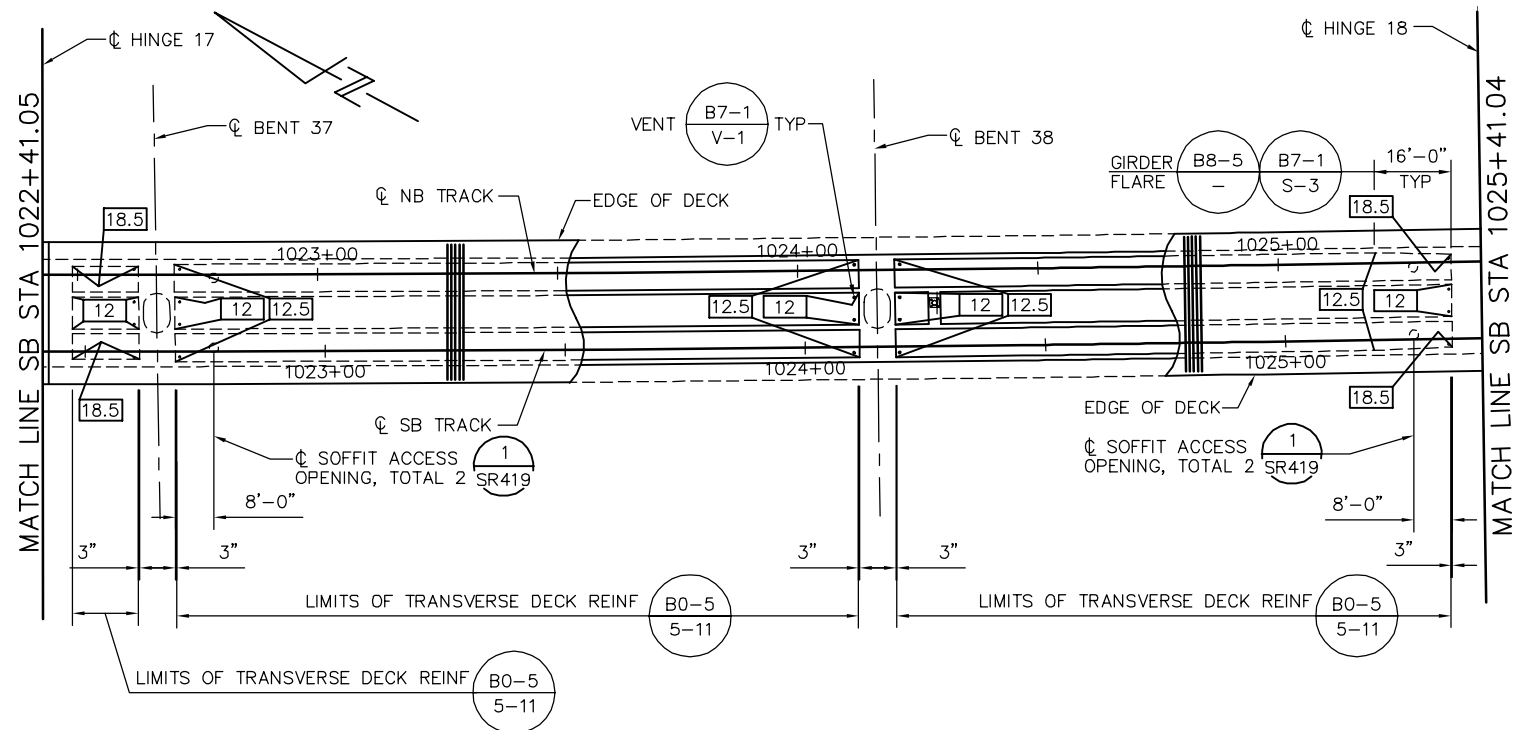
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

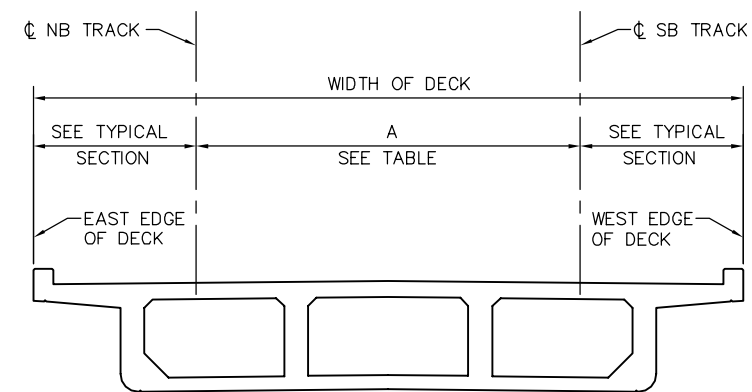
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 17

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR328
REVISION	B



GIRDER LAYOUT - FRAME 18
1" = 20'



DECK DIMENSIONS - FRAME 18
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 17	1022+41.05	16.00'
BENT 37	1022+65.05	16.00'
BENT 38	1024+45.26	16.00'
HINGE 18	1025+41.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6510 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'c = 4000$ PSI @ 28 DAYS
 $f'ci = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.900$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO END STRESSING MUST BE PERFORMED

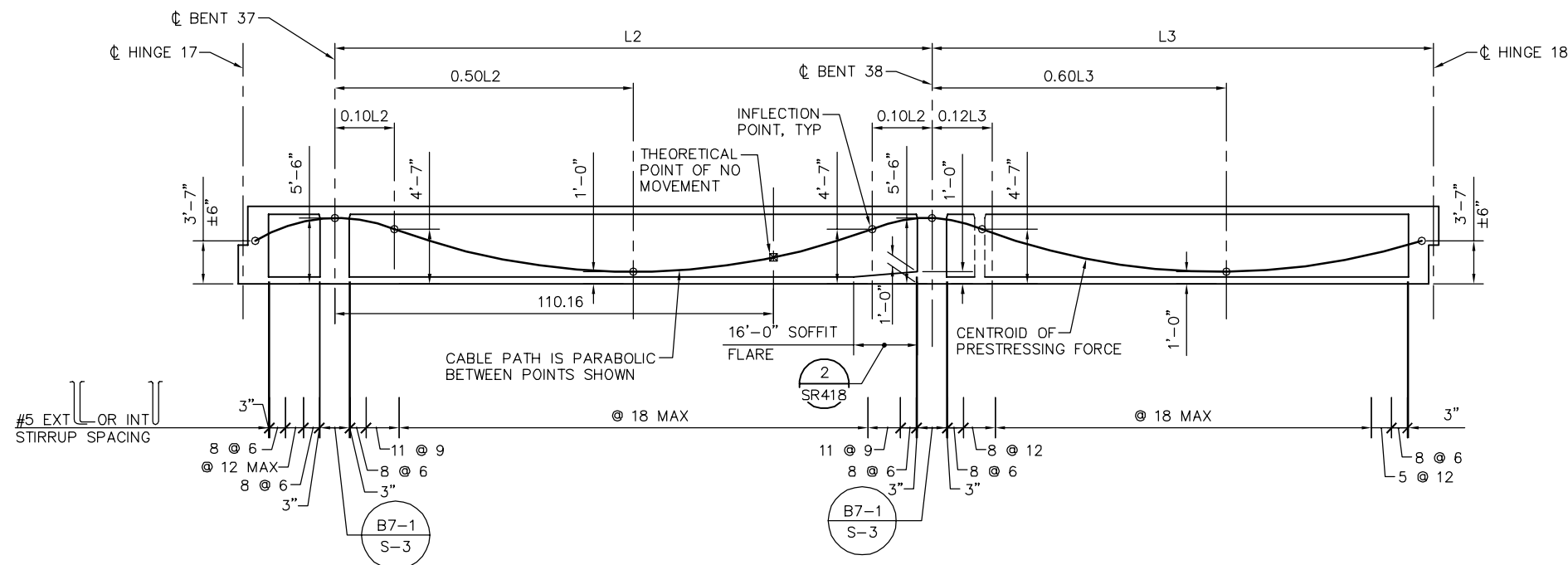
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002/FT.$

NOTES:

1. L2 AND L3 ARE MEASURED ALONG THE C OF EACH GIRDER
2. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE

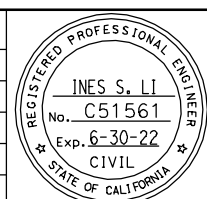


GIRDER LAOUT - FRAME 18
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:30am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SR329.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR329.dwg

Santa Clara Valley
Transportation
Authority

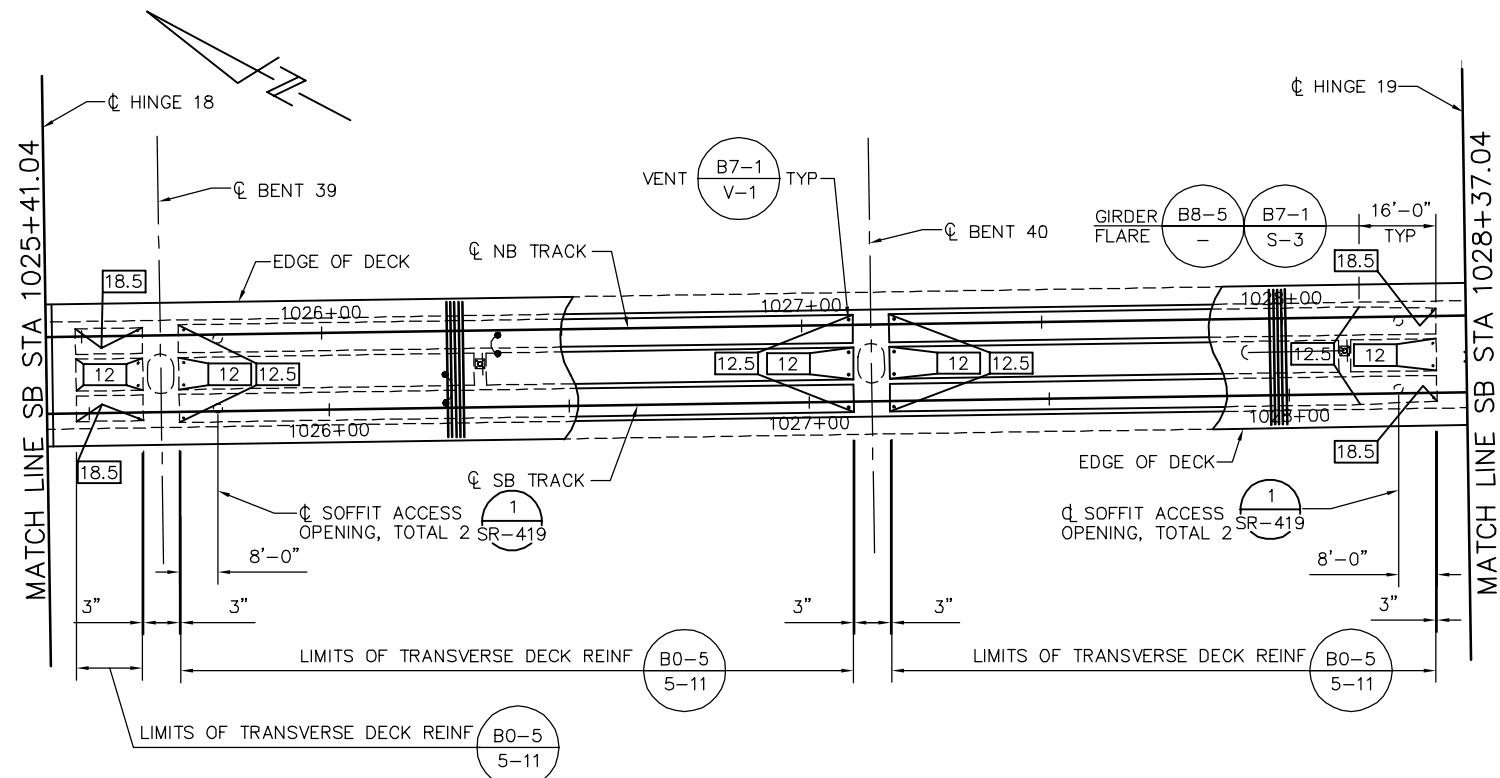
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: AS SHOWN
BOARD APPROVAL DATE:

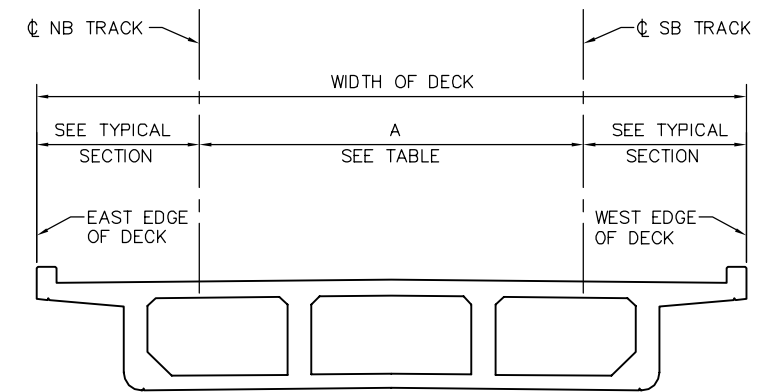
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 18

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR329
REVISION	B



GIRDER LAYOUT - FRAME 19
1" = 20'



DECK DIMENSIONS - FRAME 19
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 18	1025+41.04	16.00'
BENT 39	1025+65.04	16.00'
BENT 40	1027+13.04	16.00'
HINGE 19	1028+37.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6410 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.810$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 18.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

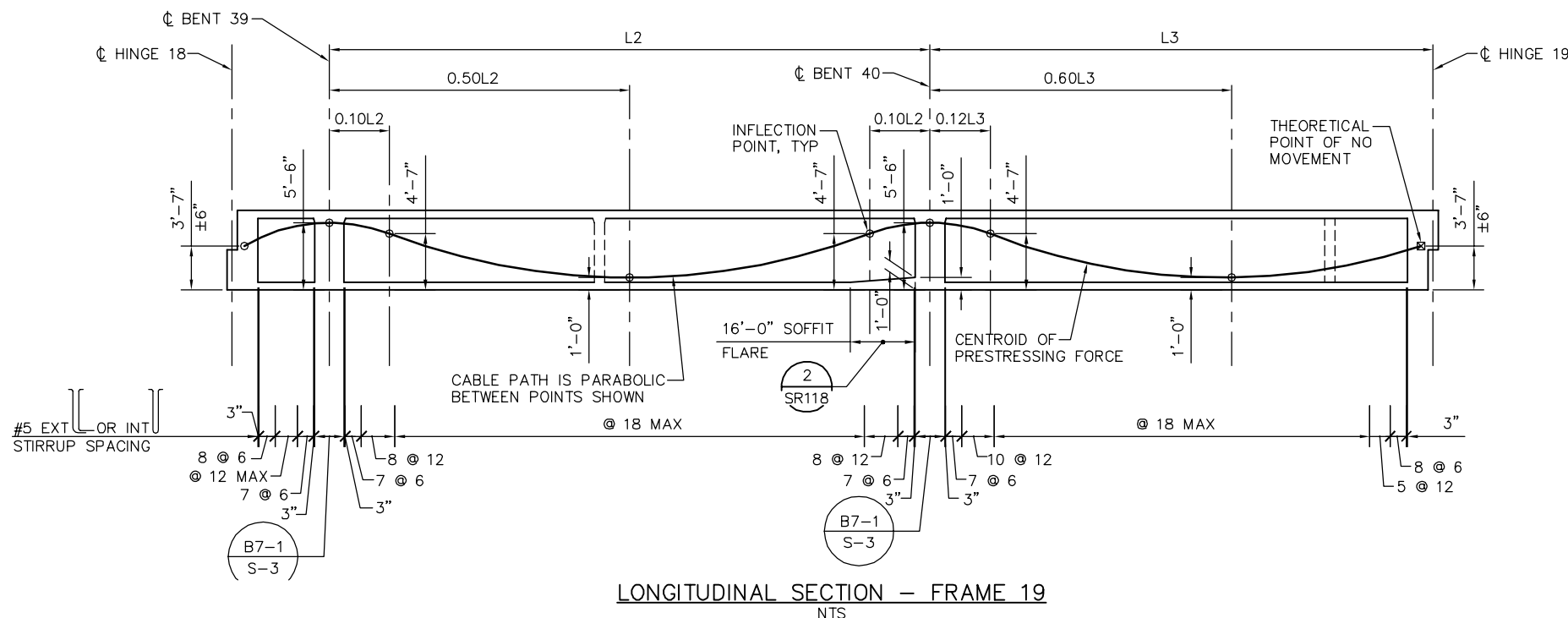
NOTES:

- L2 AND L3 ARE MEASURED ALONG THE C OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE
- \rightarrow INDICATES GUY ANCHOR

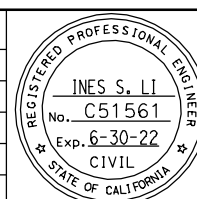
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 19
NTS

SMH Jun 21, 2020 - 10:31am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\01SR330.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR330.dwg

Santa Clara Valley
Transportation
Authority

APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

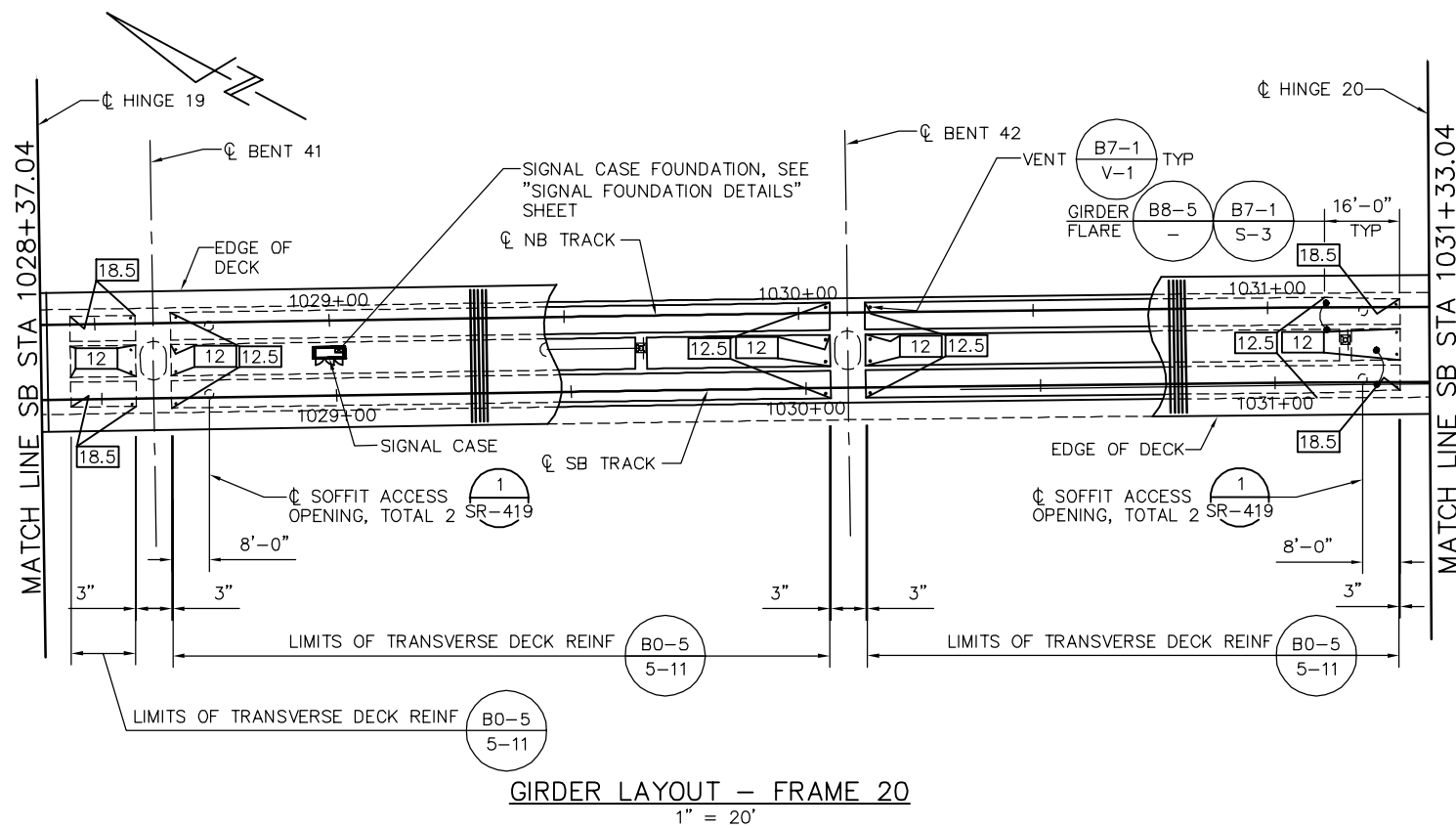
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SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

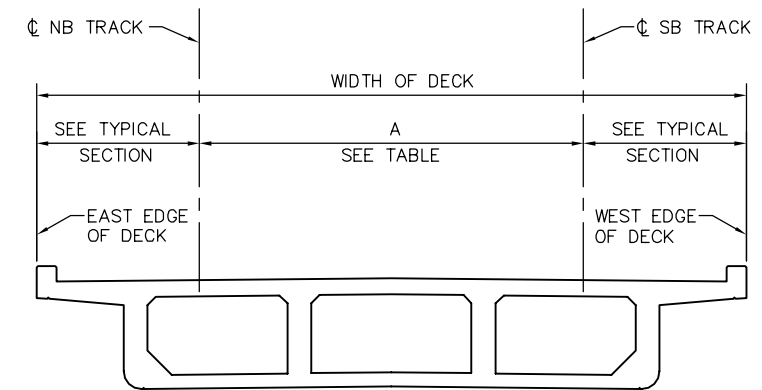
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 19

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR330
REVISION	B



GIRDER LAYOUT - FRAME 20
1" = 20'



DECK DIMENSIONS - FRAME 20
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 19	1028+37.04	16.00'
BENT 41	1028+61.04	16.00'
BENT 42	1030+09.04	16.00'
HINGE 20	1031+33.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6310 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.810$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 19.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

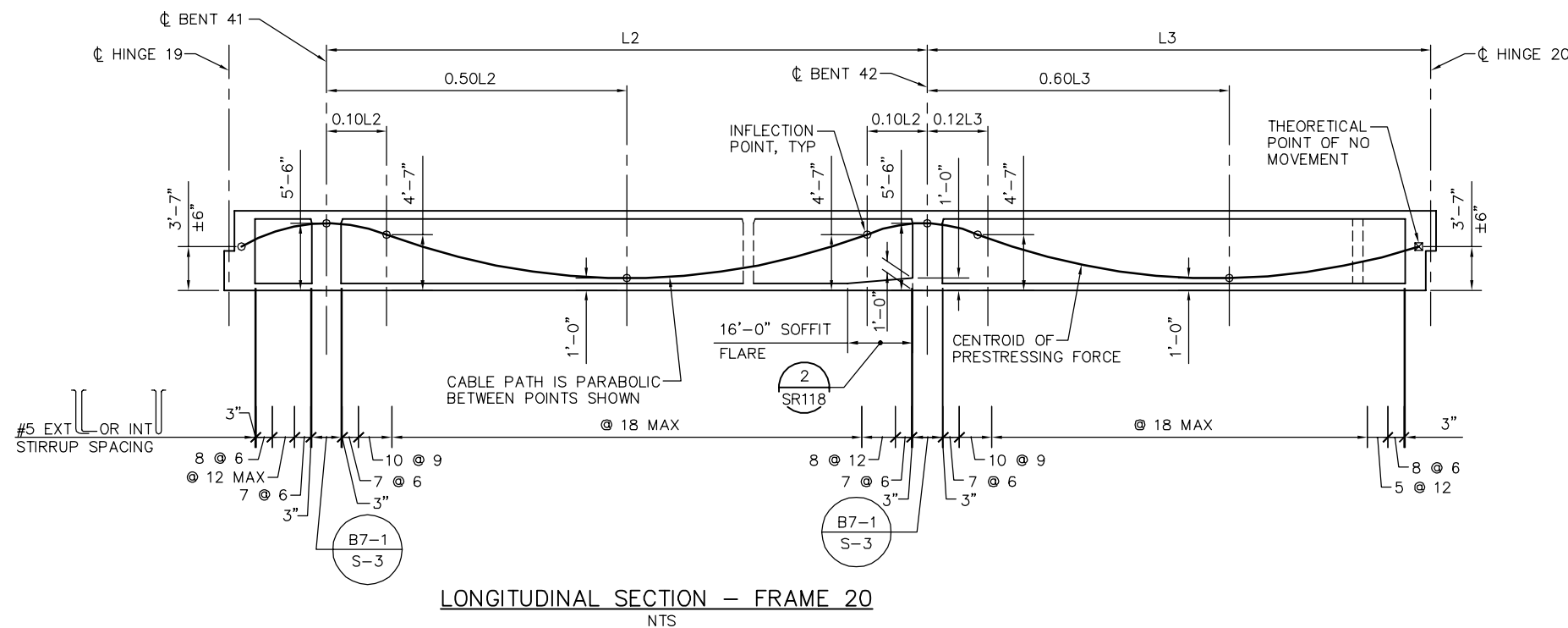
NOTES:

- L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE
- \rightarrow INDICATES GUY ANCHOR

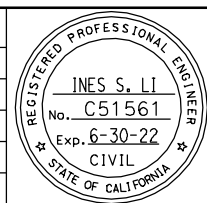
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 20
NTS

SMH Jun 21, 2020 - 10:31am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR331.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR331.dwg

Santa Clara Valley
Transportation
Authority

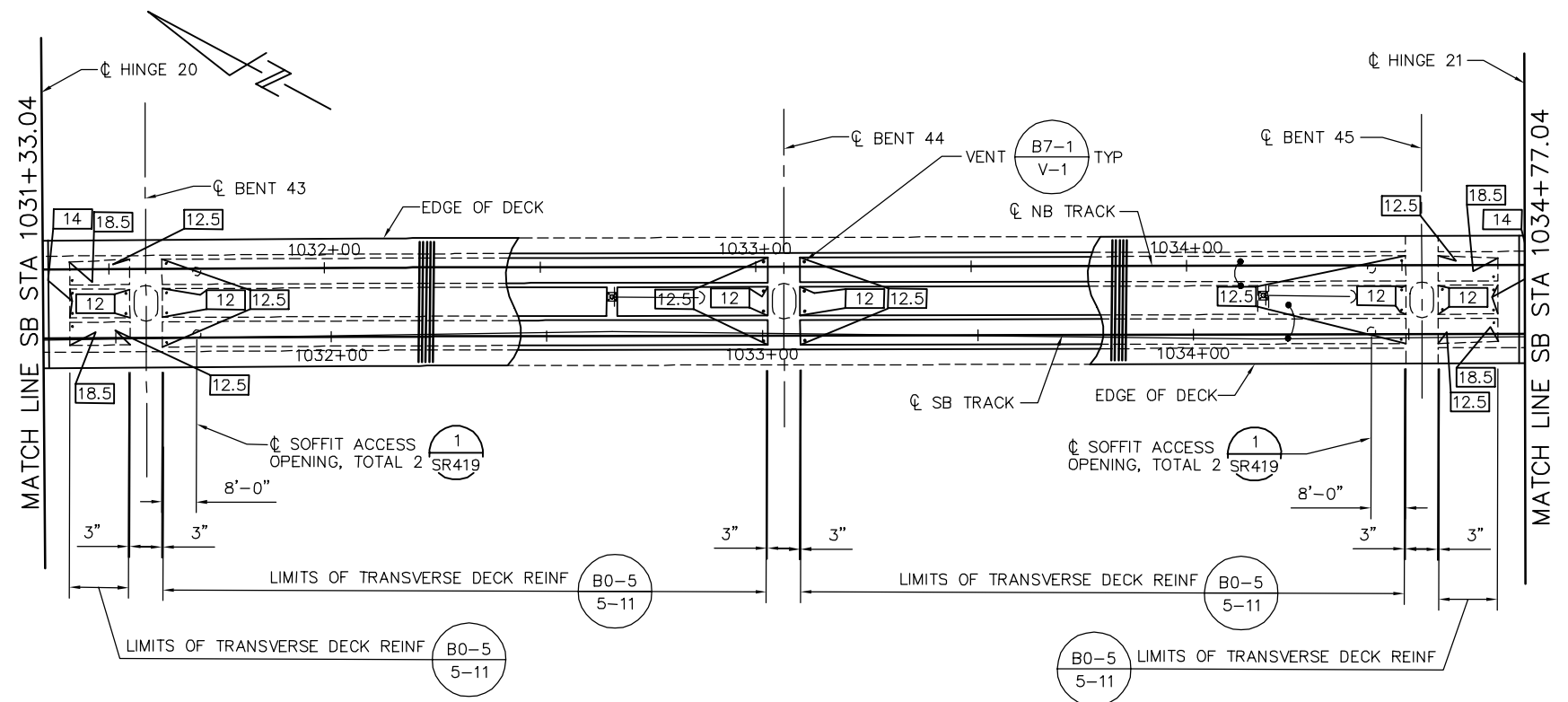
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

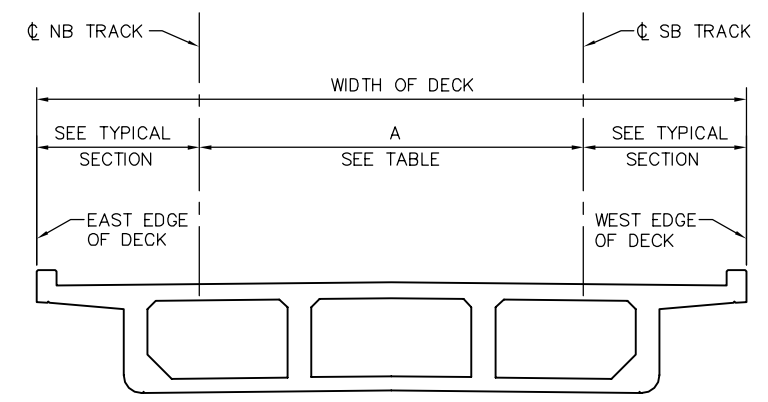
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 20

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SR331	REVISION B



GIRDER LAYOUT - FRAME 21
1" = 20'



DECK DIMENSIONS - FRAME 21
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 20	1031+33.04	16.00'
BENT 43	1031+57.04	16.00'
BENT 44	1033+05.04	16.00'
BENT 45	1034+53.04	16.00'
HINGE 21	1034+77.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 7350 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.771$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

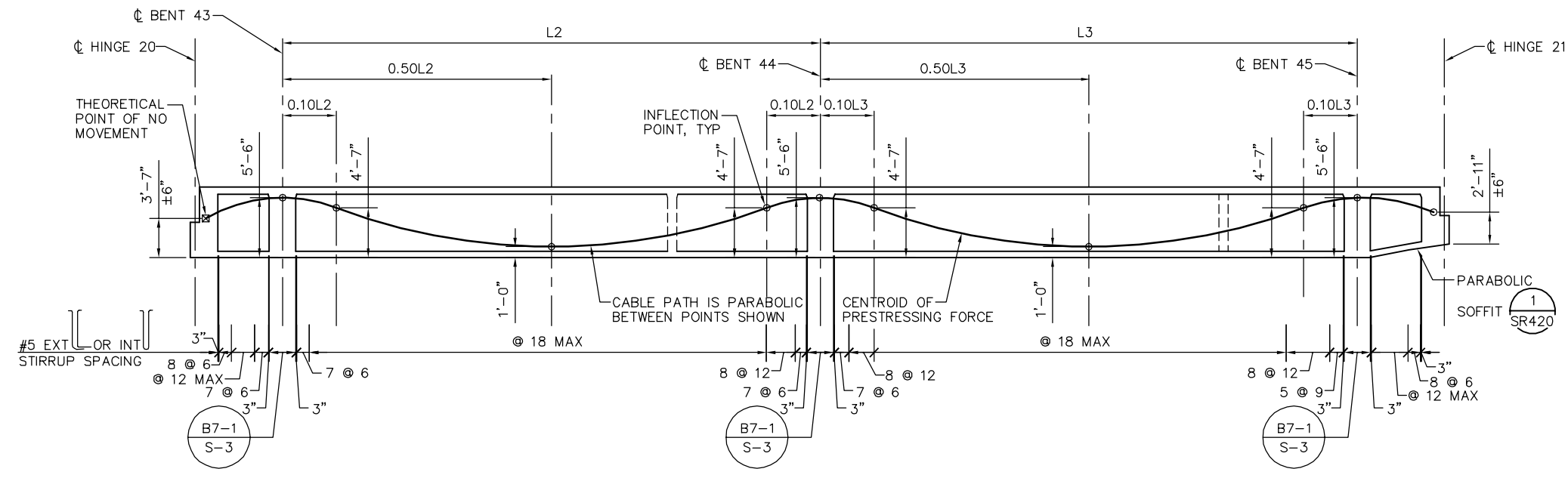
ONE END STRESSING MUST BE PERFORMED FROM HINGE 21.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

- NOTES:
- L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
 - FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

- LEGEND:
- INDICATES GIRDER STEM WIDTH IN INCHES
 - \square INDICATES TES POLE ON STRUCTURE
 - \rightarrow INDICATES GUY ANCHOR

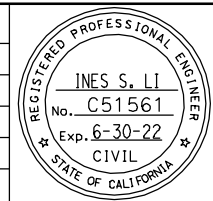
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 21
NTS

SMH Jun 21, 2020 - 10:32am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SR332.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR332.dwg

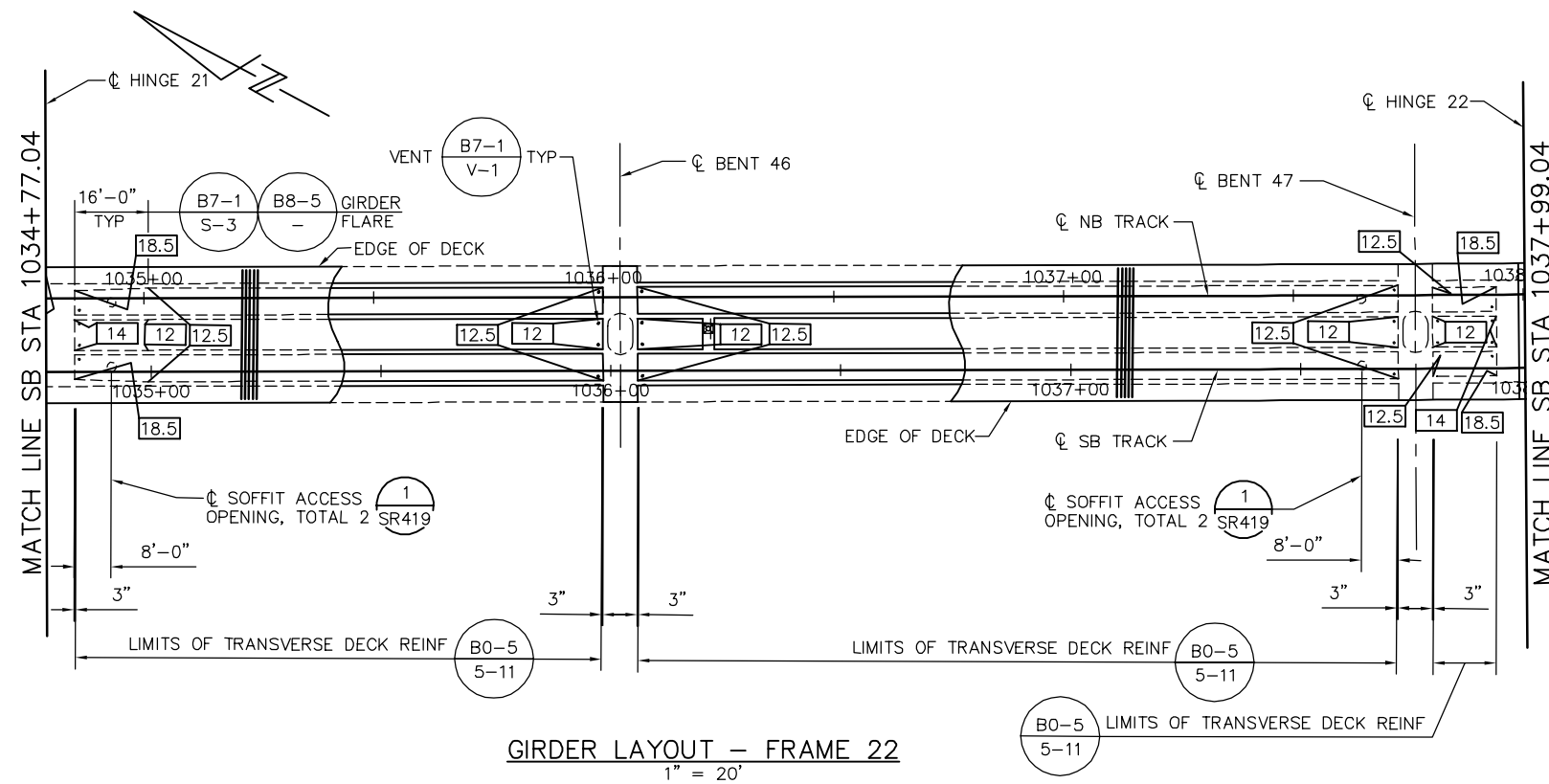
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

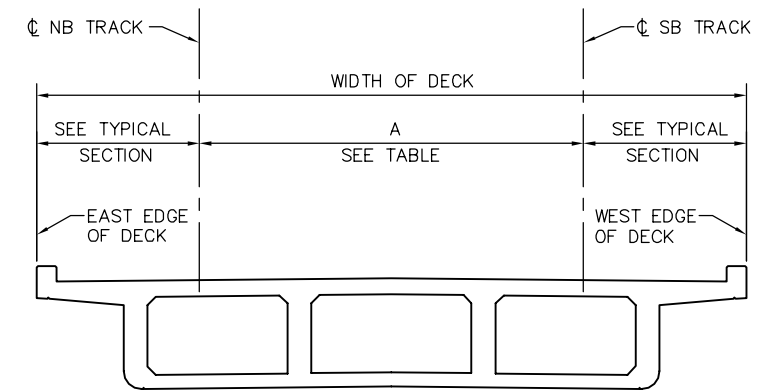
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 21

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR332
REVISION	B



GIRDER LAYOUT - FRAME 22
1" = 20'



DECK DIMENSIONS - FRAME 22
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 21	1034+77.04	16.00'
BENT 46	1036+02.04	16.00'
BENT 47	1037+75.04	16.00'
HINGE 22	1037+99.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6900 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\mu = 0.857$ TIMES JACKING STRESS

☒ DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 21.

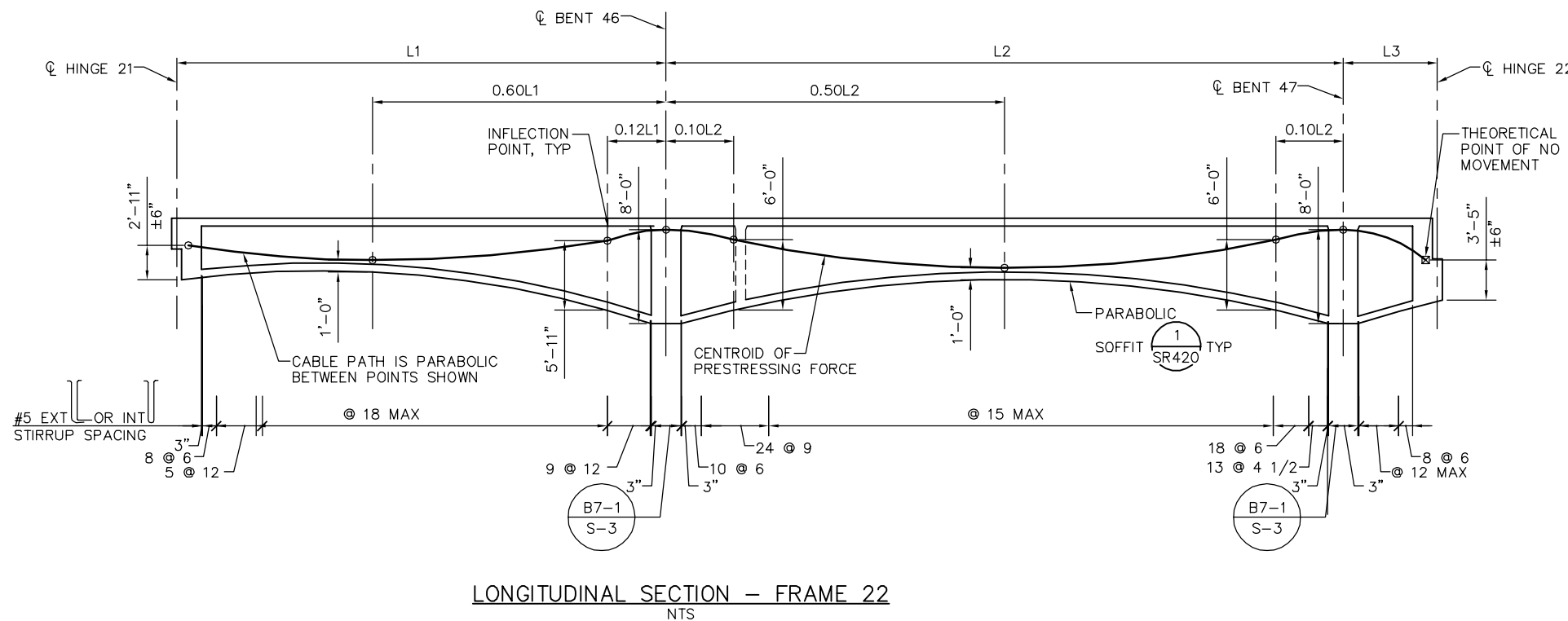
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

NOTES:

- L1, L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- INDICATES TES POLE ON STRUCTURE

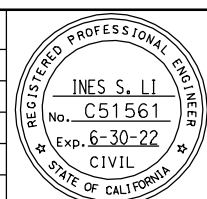


LONGITUDINAL SECTION - FRAME 22
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:33am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\00SR333.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR333.dwg

Santa Clara Valley
Transportation
Authority

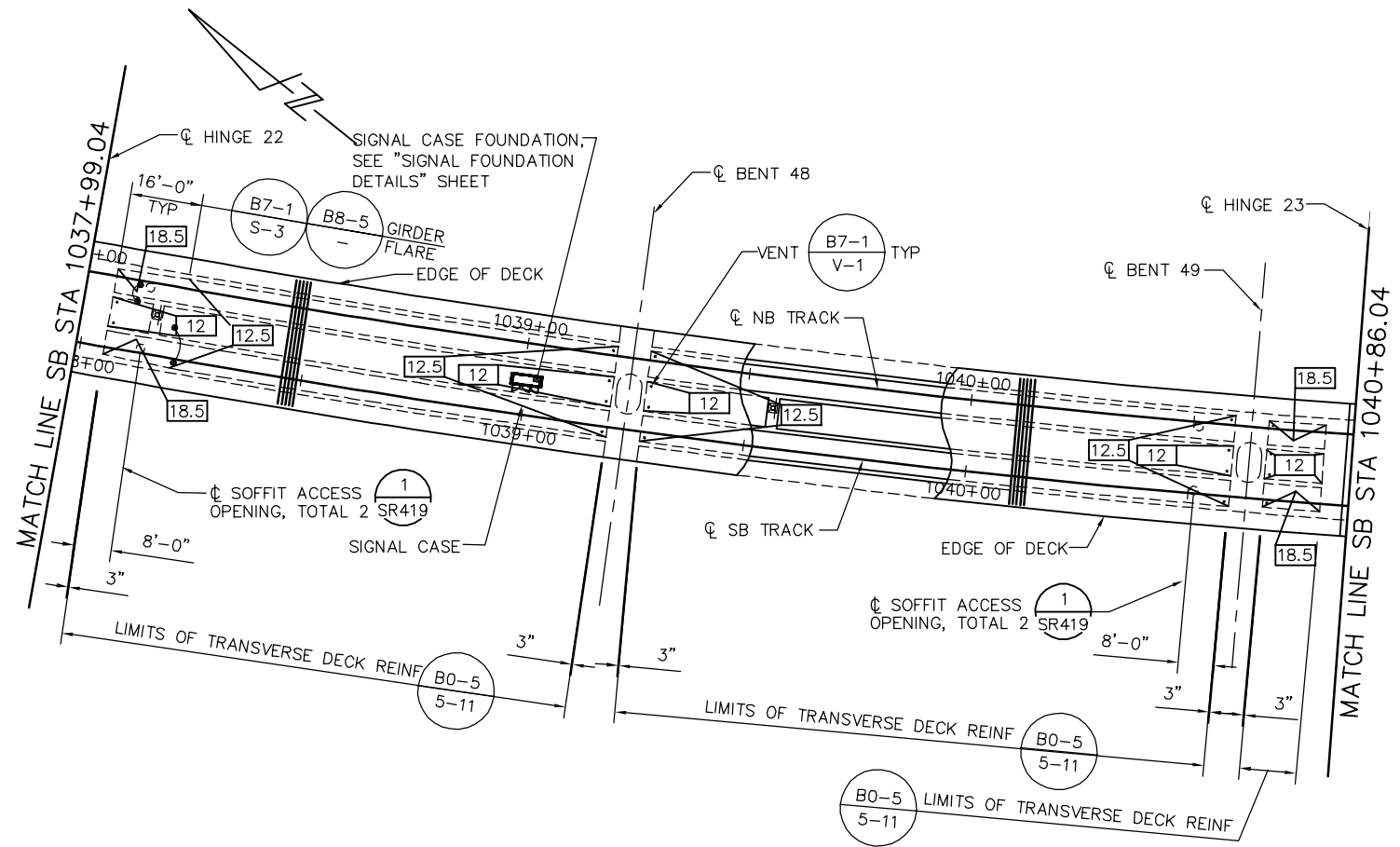
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

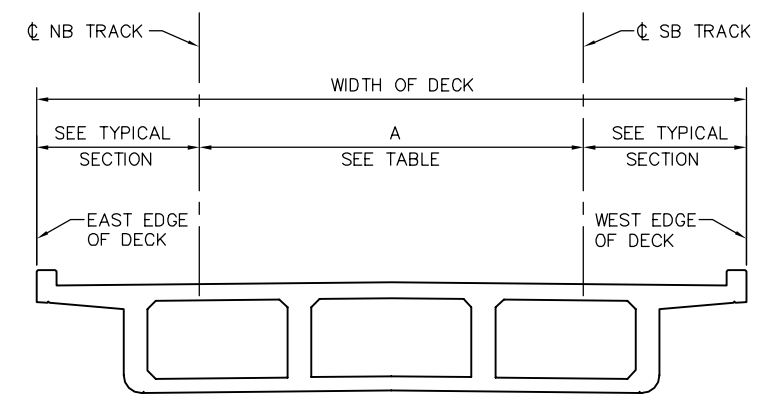
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 22

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR333
REVISION	B



GIRDER LAYOUT - FRAME 23
1" = 20'



DECK DIMENSIONS - FRAME 23
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 22	1037+99.04	16.00'
BENT 48	1039+23.04	16.00'
BENT 49	1040+63.04	16.00'
HINGE 23	1040+86.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:
 P/JACK = 6450 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (P/JACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.909$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO END STRESSING MUST BE PERFORMED.

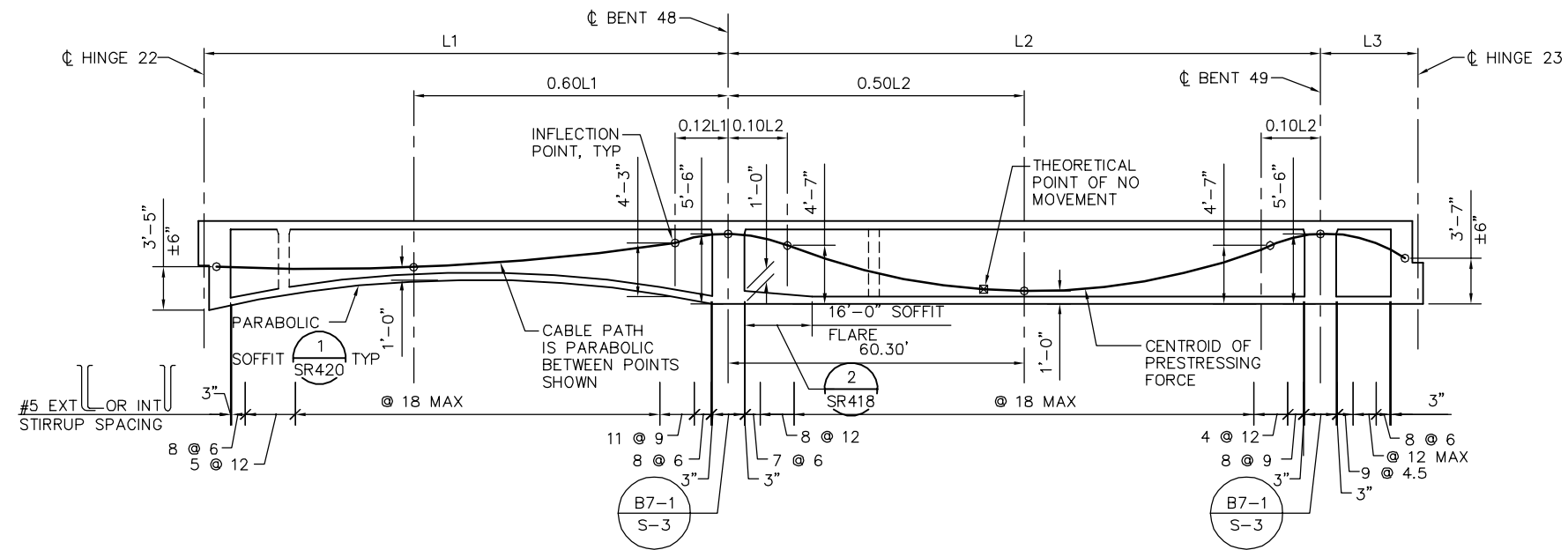
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

NOTES:

- L1, L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE

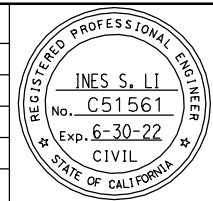


LONGITUDINAL SECTION - FRAME 23
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:34am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SR334.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR334.dwg

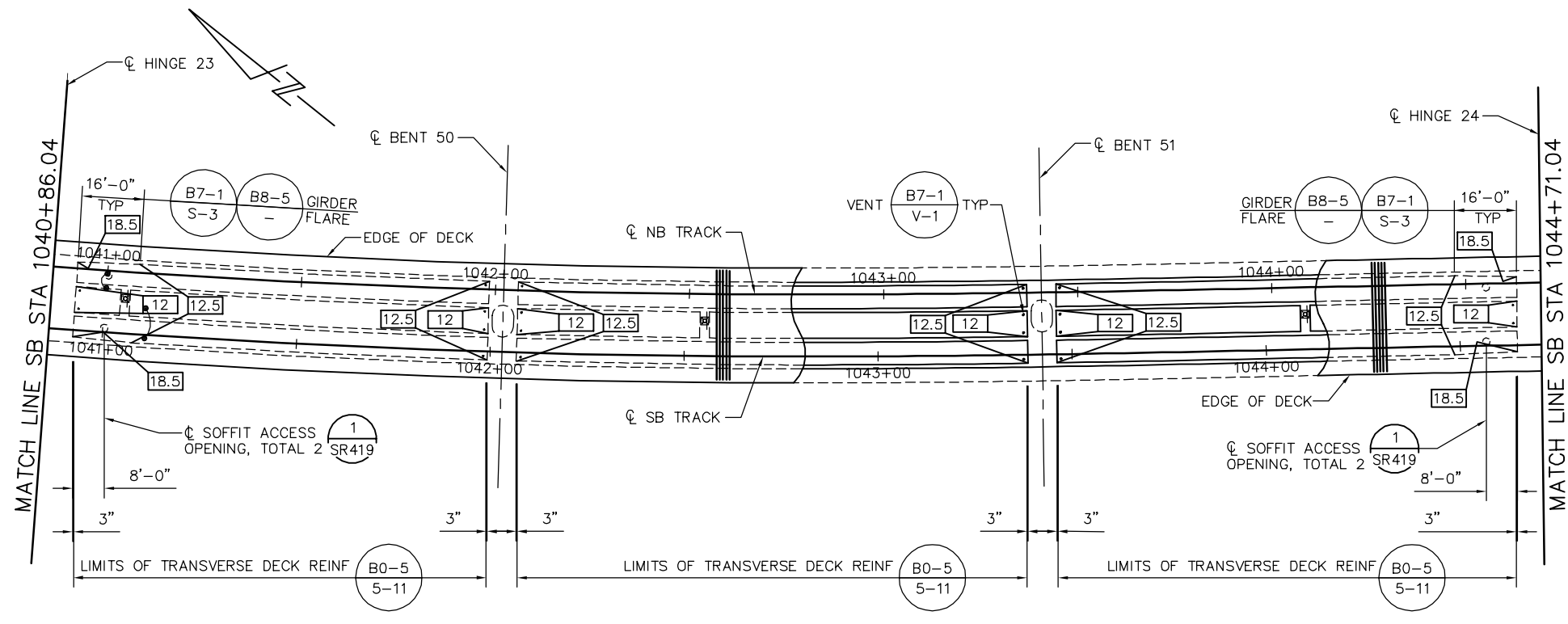
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

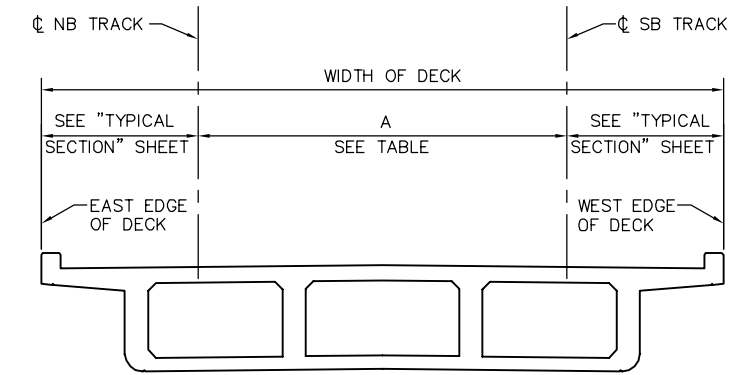
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 23

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SR334	REVISION B



GIRDER LAYOUT - FRAME 24
1" = 20'



DECK DIMENSIONS - FRAME 24
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 23	1040+86.04	16.00'
BENT 50	1042+03.04	16.00'
BENT 51	1043+42.29	16.00'
HINGE 24	1044+71.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 5880 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'c = 4000$ PSI @ 28 DAYS
 $f'ci = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.880$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO END STRESSING MUST BE PERFORMED

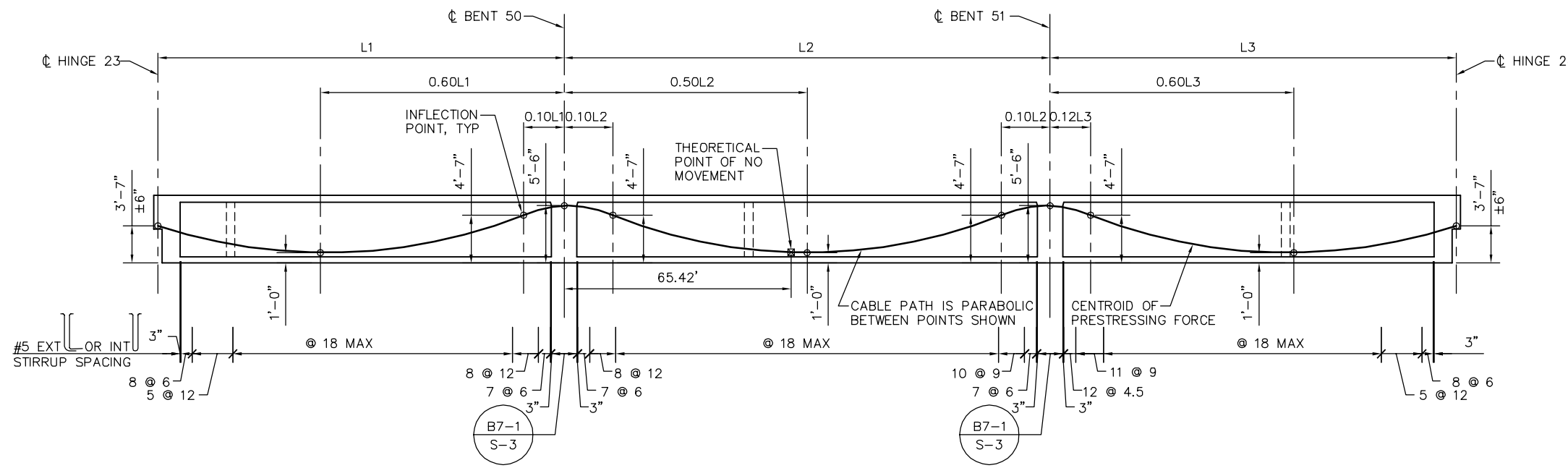
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K=0.0002/FT$.

NOTES:

- L1, L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE

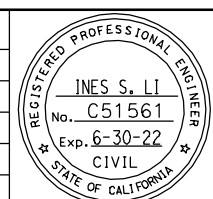


LONGITUDINAL SECTION - FRAME 24
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:34am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\SR335.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR335.dwg

Santa Clara Valley
Transportation
Authority

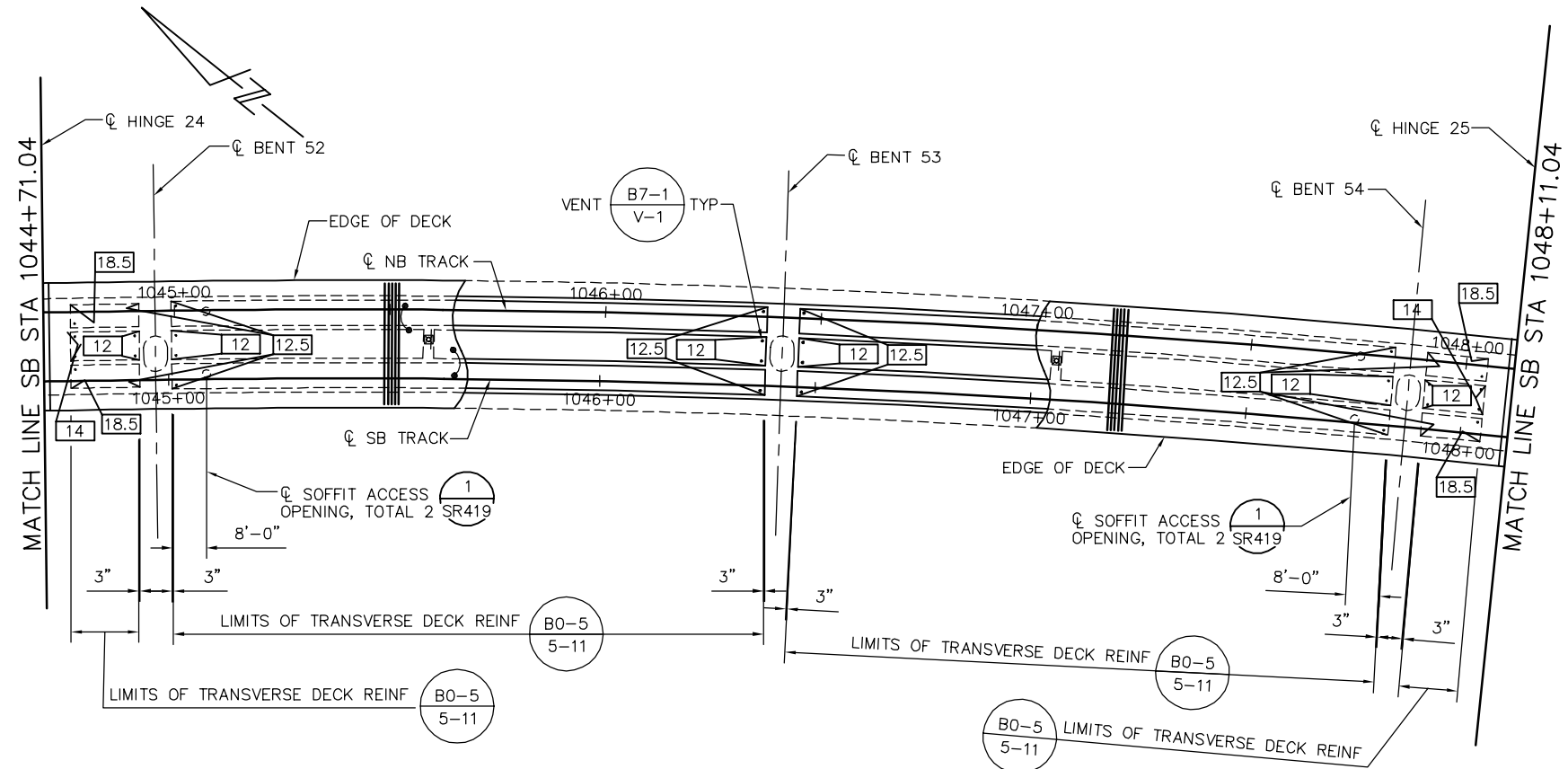
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

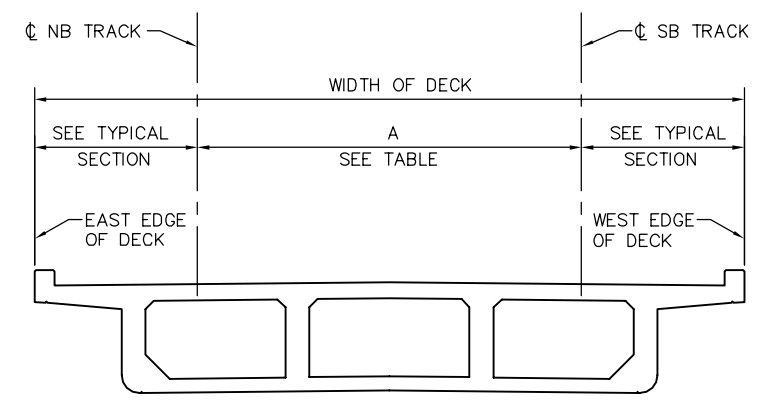
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 24

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR335 REVISION B



GIRDER LAYOUT - FRAME 25
1" = 20'



DECK DIMENSIONS - FRAME 25
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 24	1044+71.04	16.00'
BENT 52	1044+97.04	16.00'
BENT 53	1046+42.04	16.00'
BENT 54	1047+87.04	16.00'
HINGE 25	1048+11.04	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 7090 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.767$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 24.

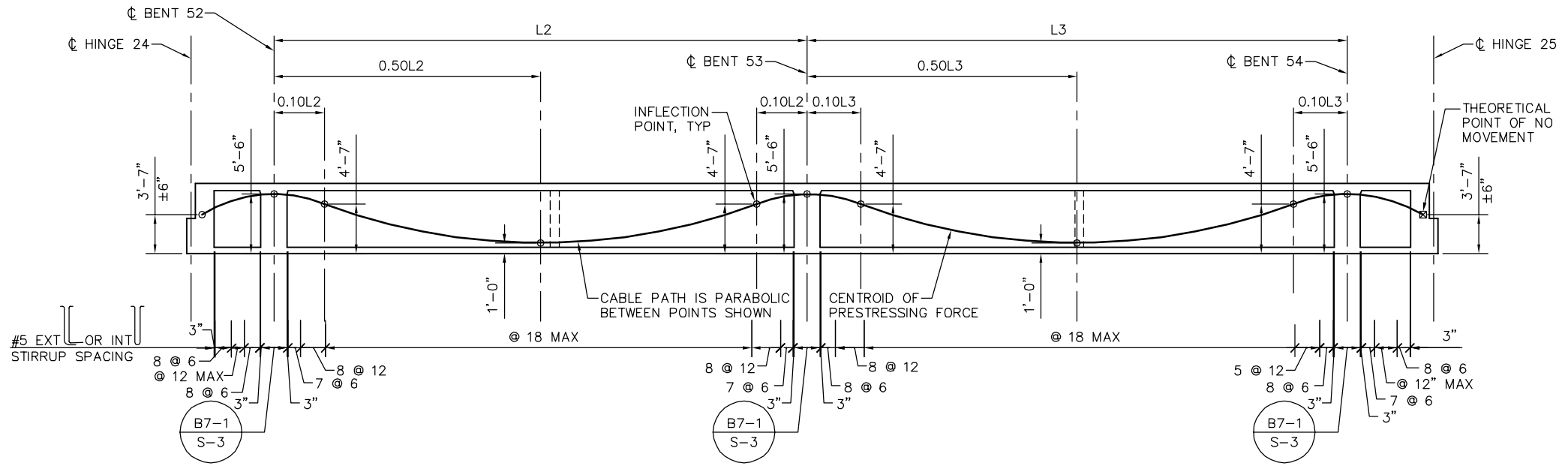
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $k = 0.0002/FT$.

NOTES:

- L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE

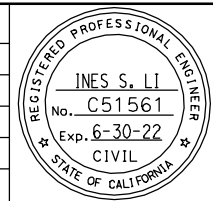


LONGITUDINAL SECTION - FRAME 25
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:35am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR336.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR336.dwg



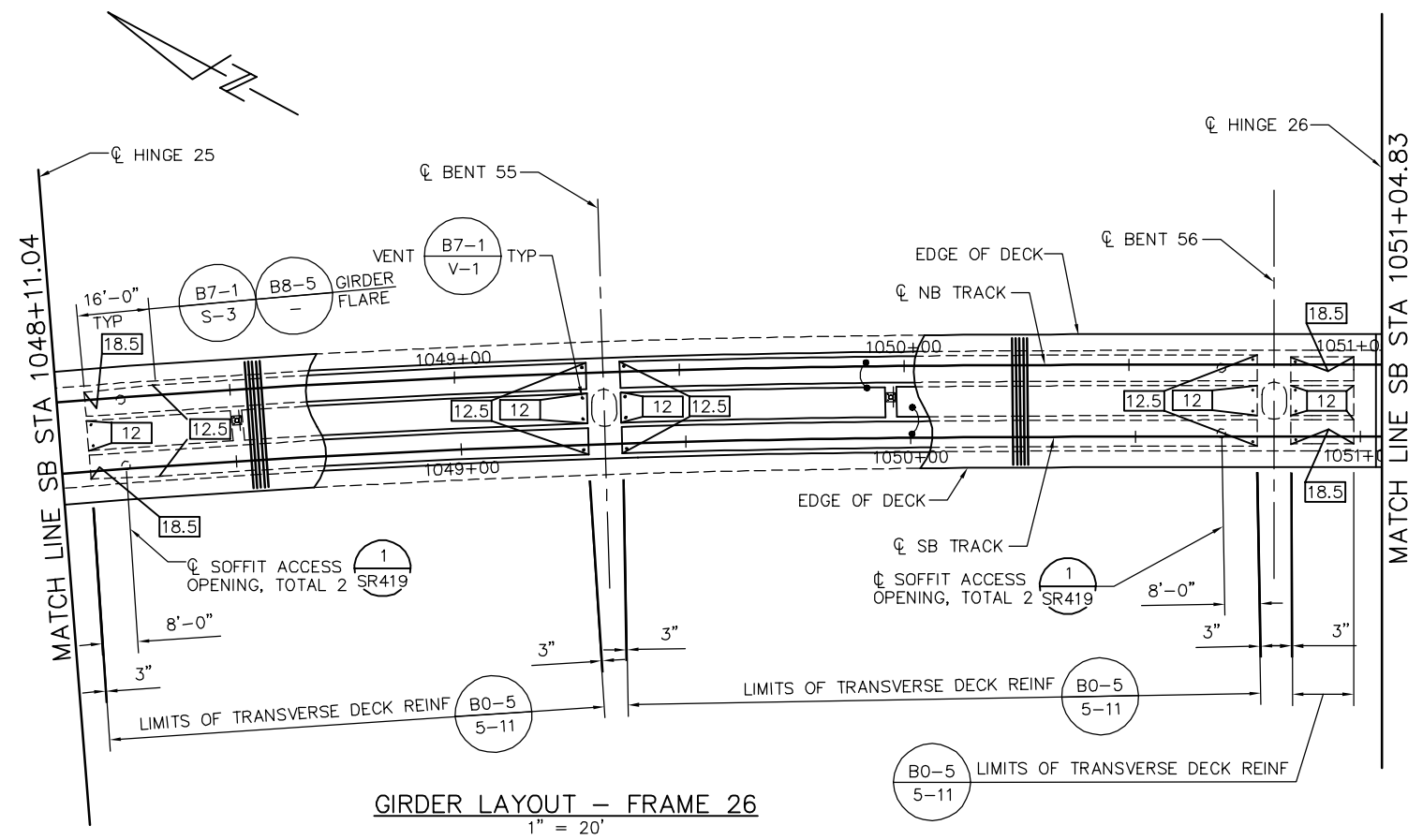
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

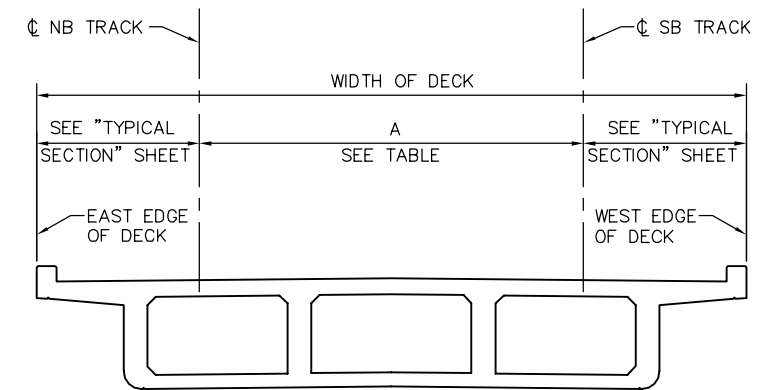
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 25

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR336
REVISION	B



GIRDER LAYOUT - FRAME 26
1" = 20'



DECK DIMENSIONS - FRAME 26
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 25	1048+11.04	16.00'
BENT 55	1049+39.17	16.00'
BENT 56	1050+80.83	16.00'
HINGE 26	1051+04.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6440 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.813$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 26.

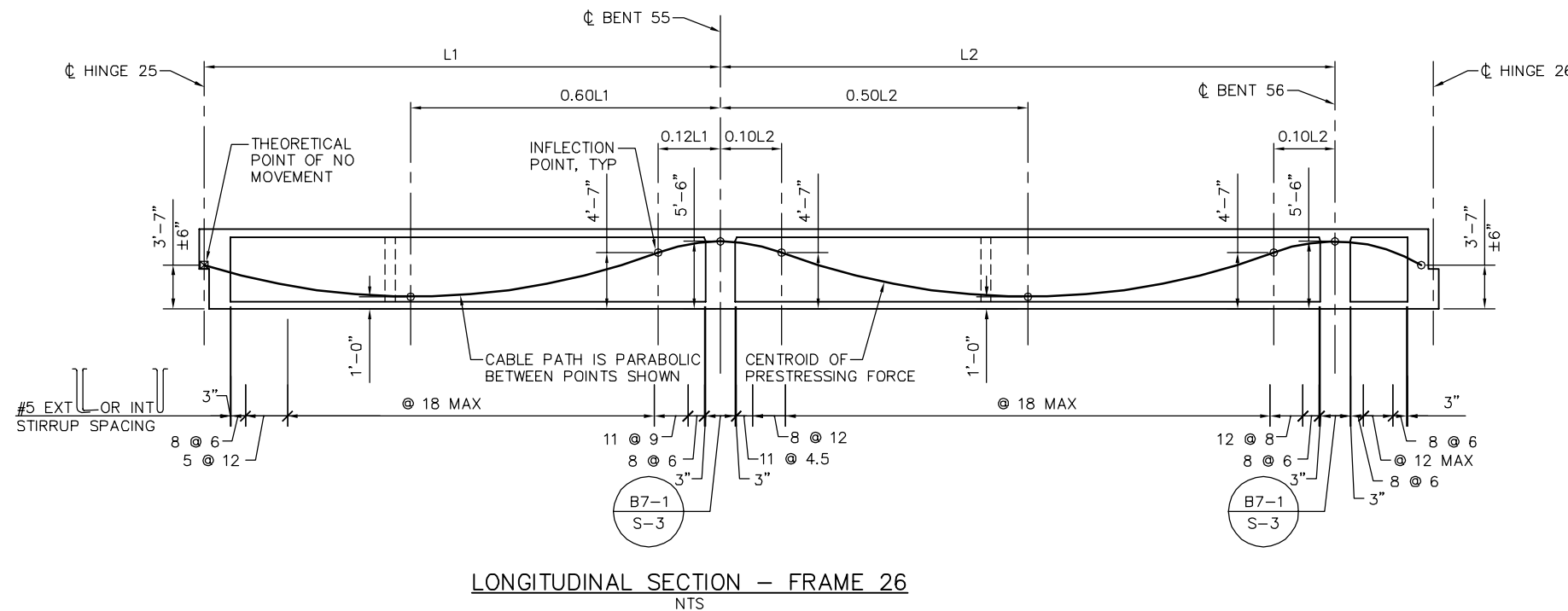
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

NOTES:

- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE

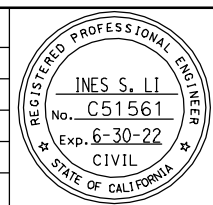


LONGITUDINAL SECTION - FRAME 26
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR337.dwg

Santa Clara Valley
Transportation
Authority

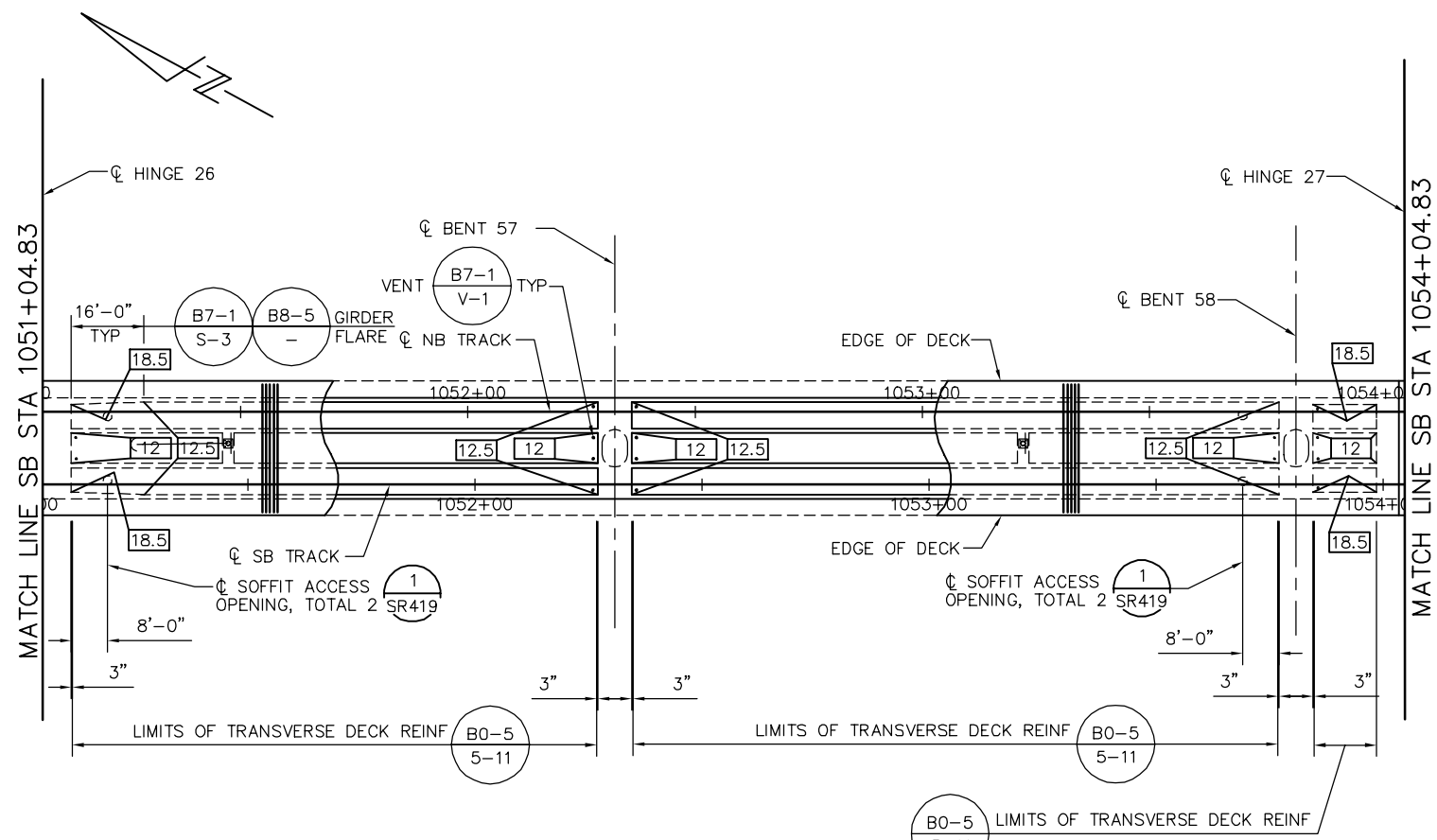
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

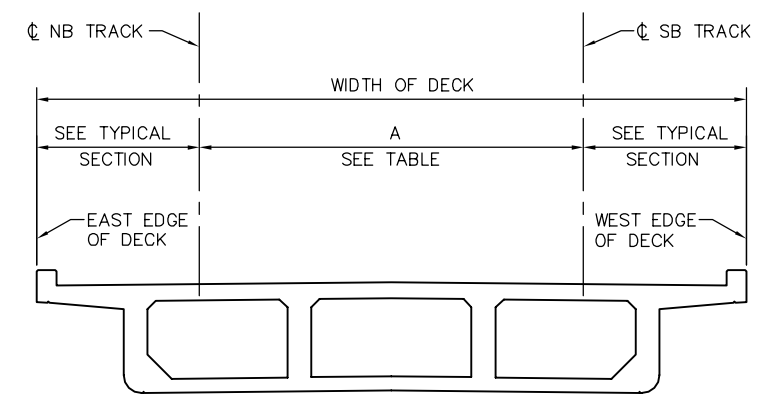
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 26

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR337
REVISION	B



GIRDER LAYOUT - FRAME 27
1" = 20'



DECK DIMENSIONS - FRAME 27
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 26	1051+04.83	16.00'
BENT 57	1052+30.83	16.00'
BENT 58	1053+80.83	16.00'
HINGE 27	1054+04.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6460 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.902$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO END STRESSING MUST BE PERFORMED

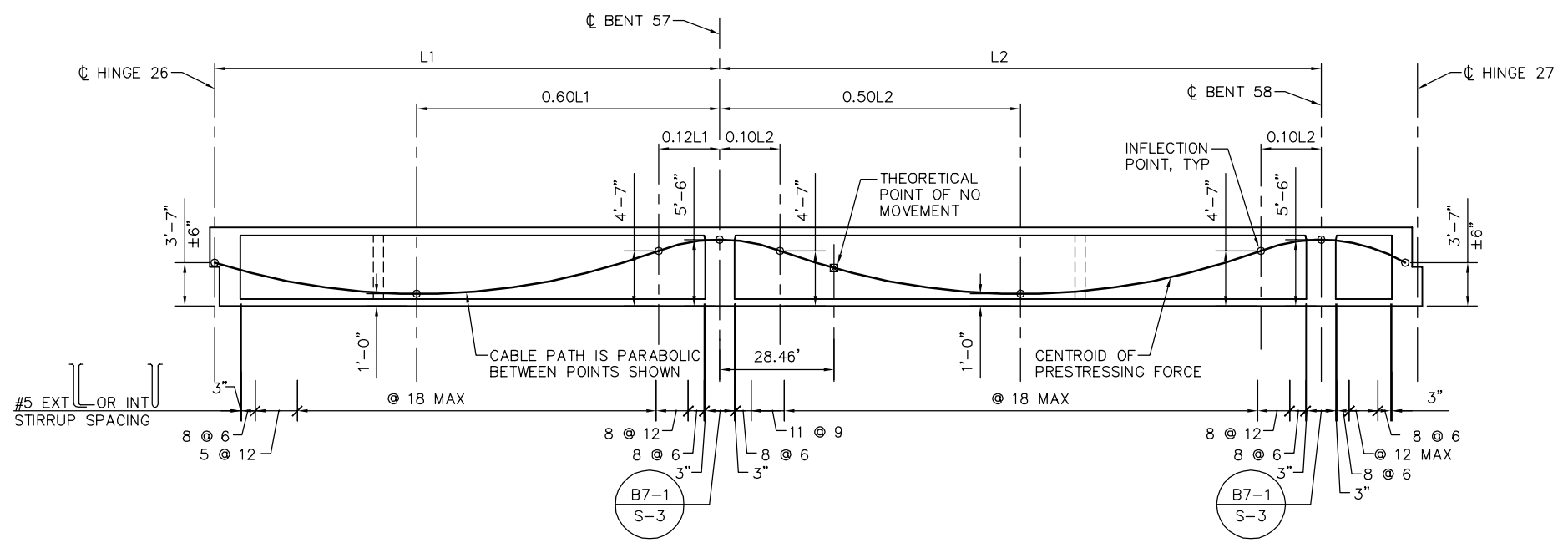
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

- NOTES:
- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
 - FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

\square INDICATES GIRDER STEM WIDTH IN INCHES

\square INDICATES TES POLE ON STRUCTURE

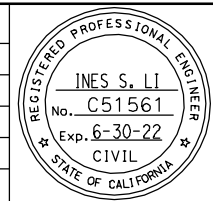


LONGITUDINAL SECTION - FRAME 27
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:37am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR338.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR338.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED

BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

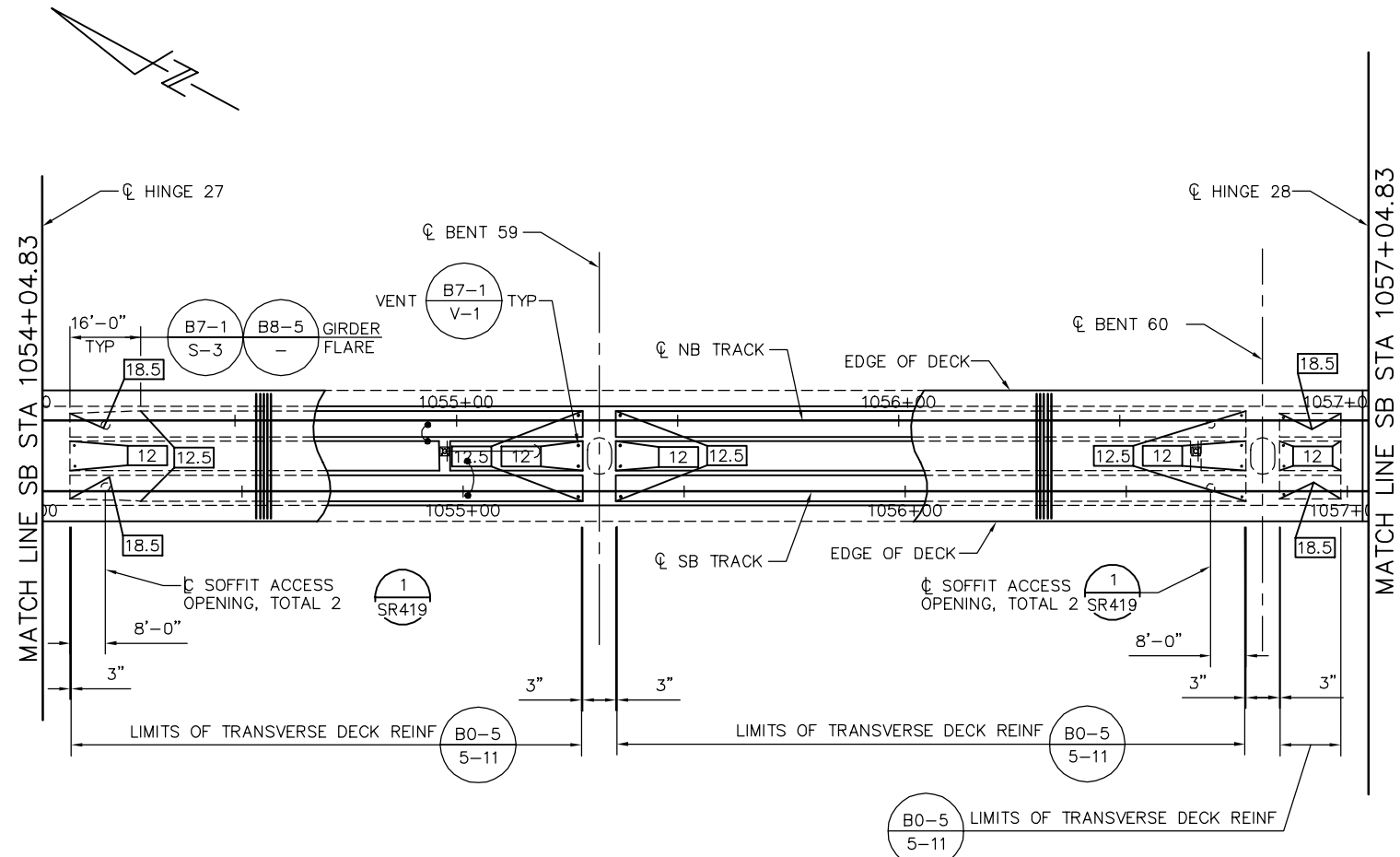
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

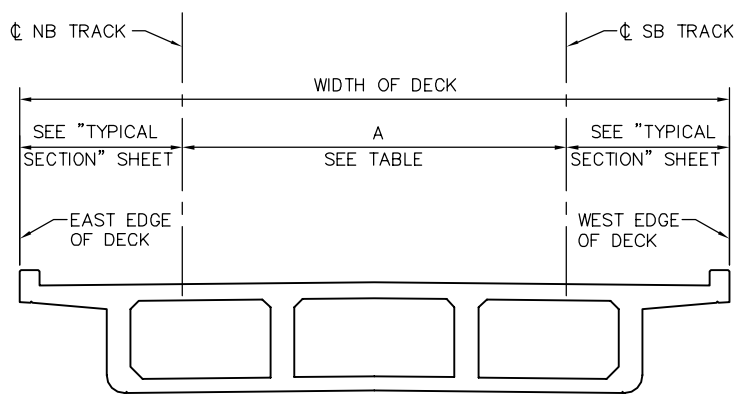
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 27

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR338
REVISION	B



GIRDER LAYOUT - FRAME 28
1" = 20'



DECK DIMENSIONS - FRAME 28
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 27	1054+04.83	16.00'
BENT 59	1055+30.83	16.00'
BENT 60	1056+80.83	16.00'
HINGE 28	1057+04.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6520 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.902$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

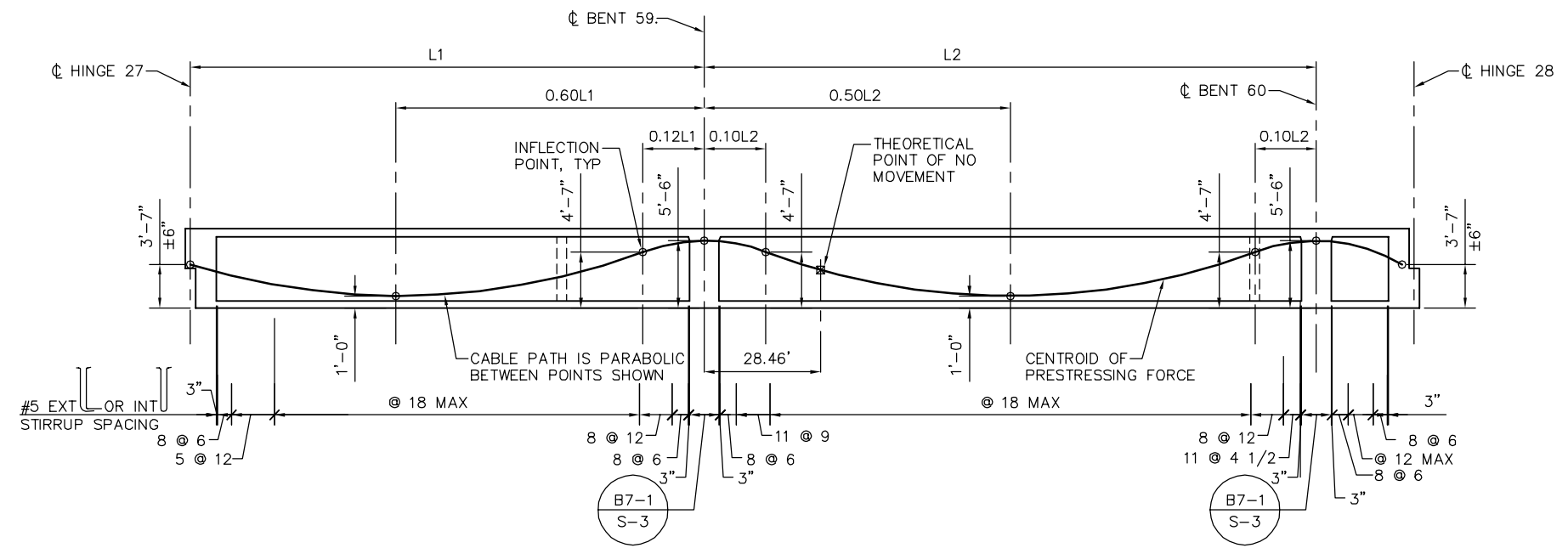
TWO END STRESSING MUST BE PERFORMED.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

- NOTES:
- L1 AND L2 ARE MEASURED ALONG THE C OF EACH GIRDER
 - FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

- LEGEND:
- INDICATES GIRDER STEM WIDTH IN INCHES
 - \square INDICATES TES POLE ON STRUCTURE
 - \rightarrow INDICATES GUY ANCHOR

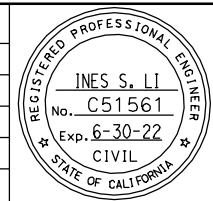
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 28
NTS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR339.dwg



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BKF 100+ YEARS
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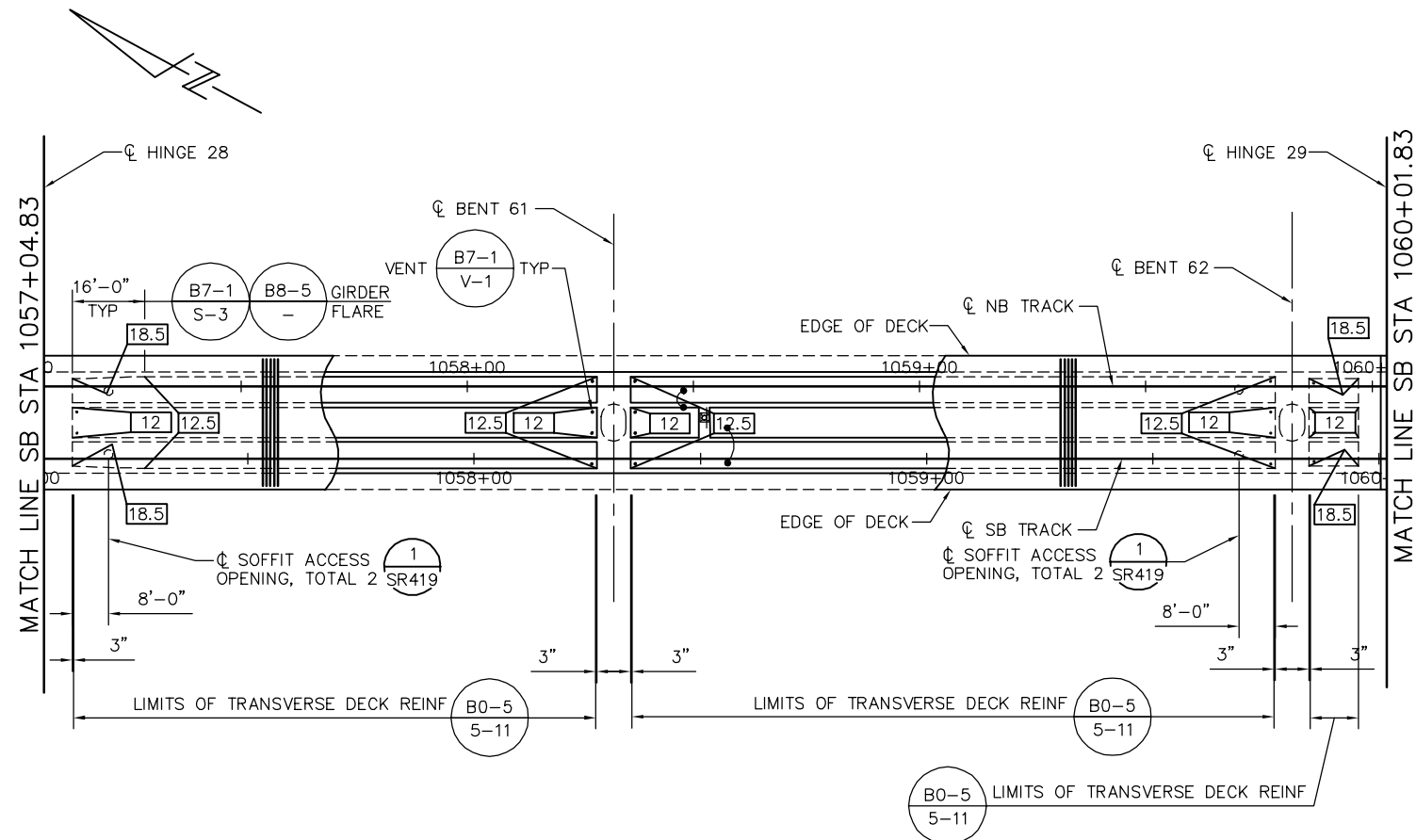
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

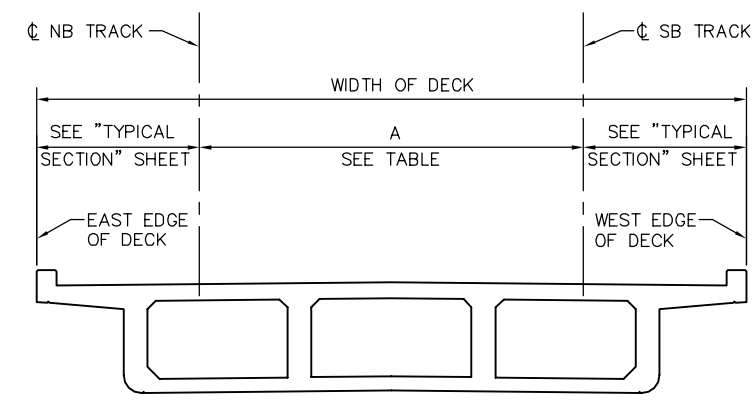
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 28

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR339
REVISION	B



GIRDER LAYOUT - FRAME 29
1" = 20'



DECK DIMENSIONS - FRAME 29
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 28	1057+04.83	16.00'
BENT 61	1058+30.83	16.00'
BENT 62	1059+80.83	16.00'
HINGE 29	1060+01.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6170 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.899$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO END STRESSING MUST BE PERFORMED.

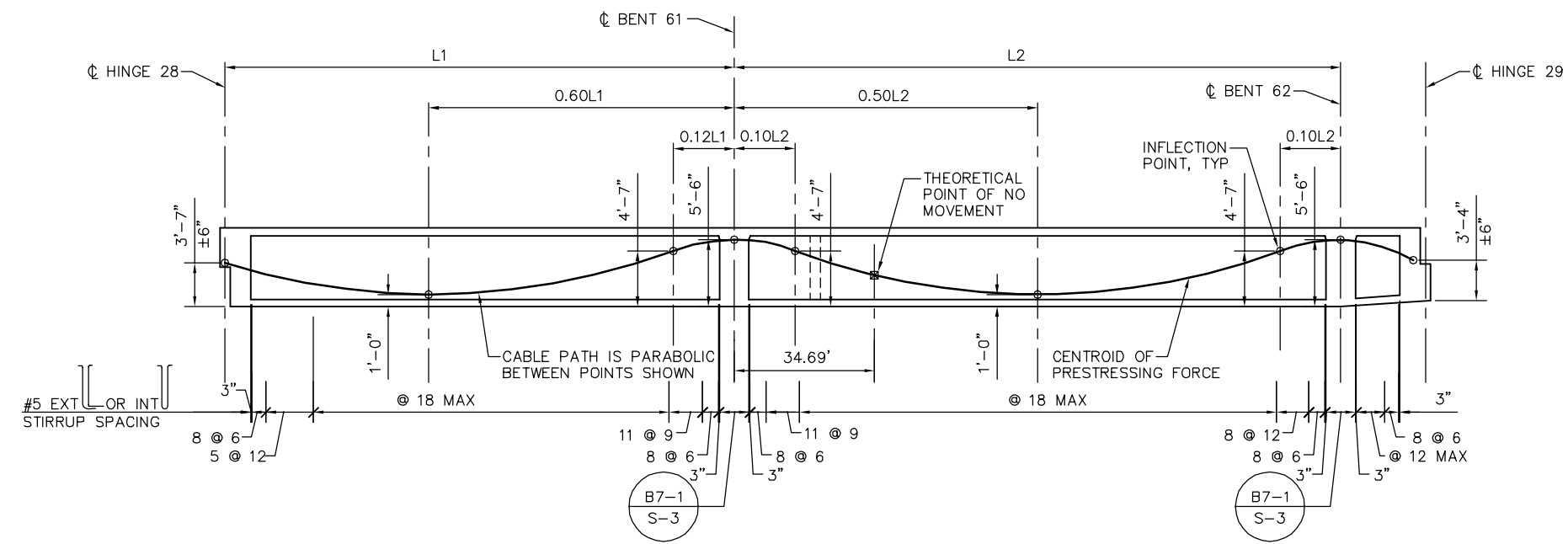
PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

- NOTES:
- L1 AND L2 ARE MEASURED ALONG THE C OF EACH GIRDER
 - FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

\square INDICATES GIRDER STEM WIDTH IN INCHES

\square INDICATES TES POLE ON STRUCTURE

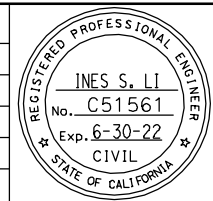


LONGITUDINAL SECTION - FRAME 29
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:36am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR340.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR340.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

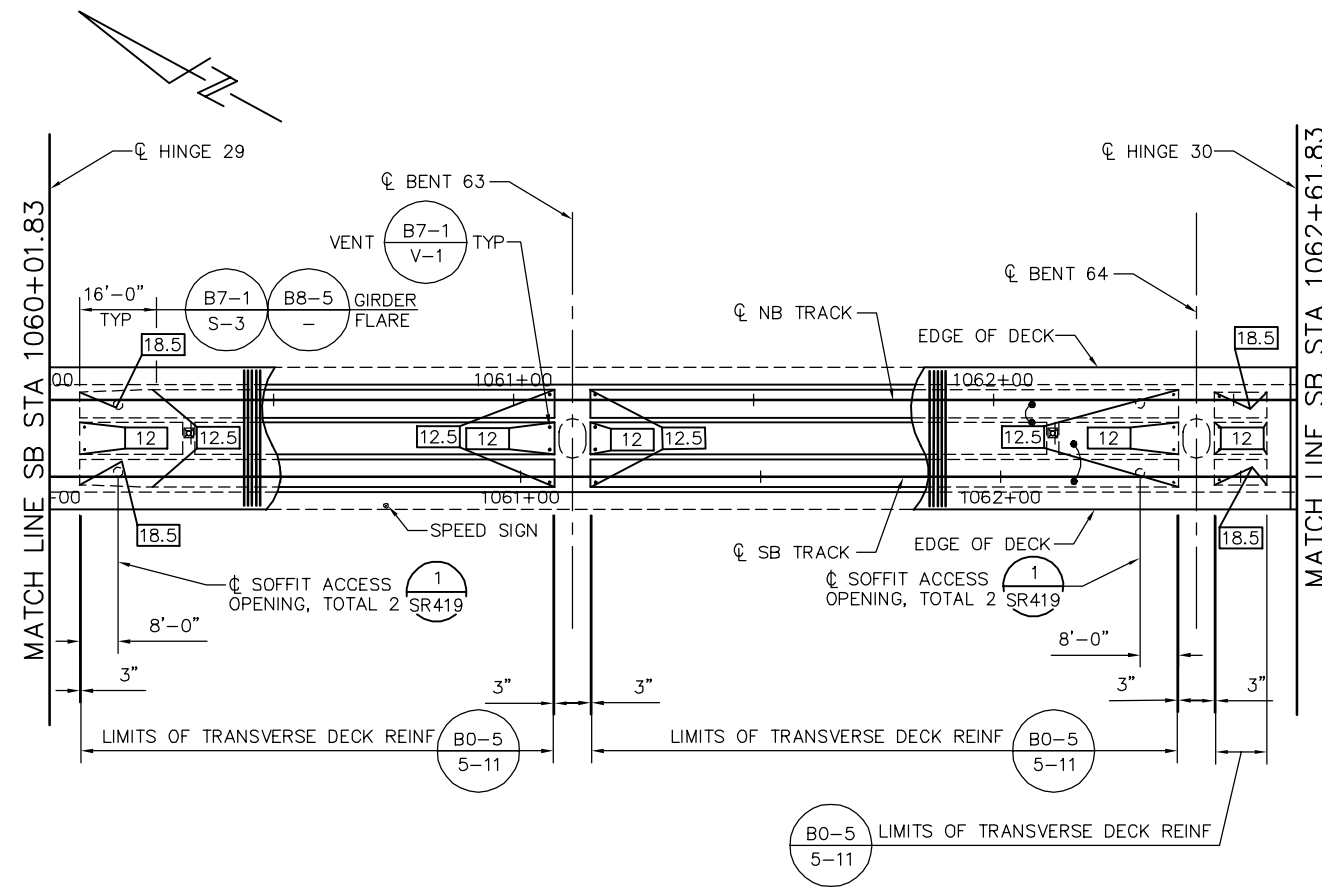
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

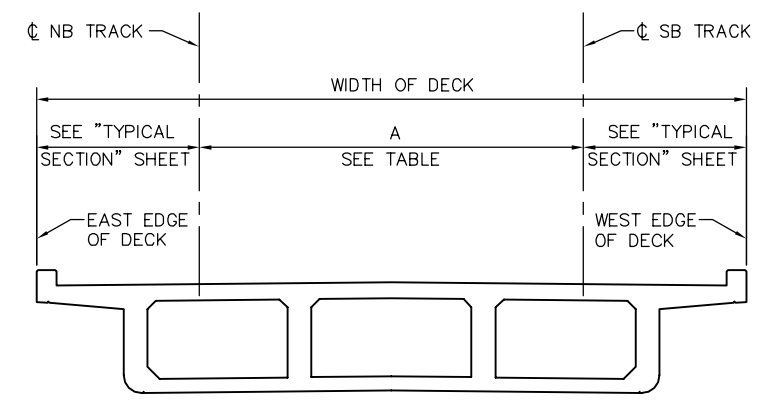
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 29

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR340
REVISION	B



GIRDER LAYOUT - FRAME 30
1" = 20'



DECK DIMENSIONS - FRAME 30
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 29	1060+01.83	16.00'
BENT 63	1061+10.83	16.00'
BENT 64	1062+40.83	16.00'
HINGE 30	1062+61.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 5230 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.810$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

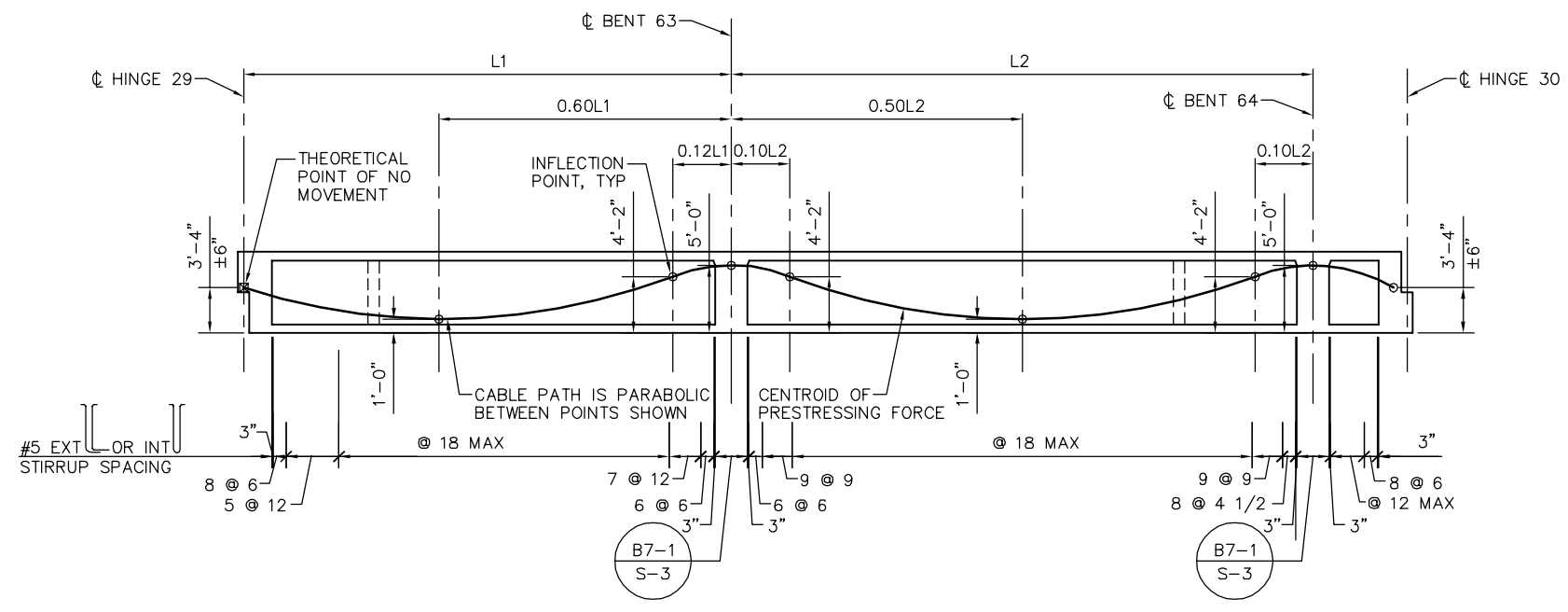
ONE-END STRESSING MUST BE PERFORMED FROM THE HINGE 30.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

- NOTES:
- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
 - FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

- LEGEND:
- INDICATES GIRDER STEM WIDTH IN INCHES
 - \square INDICATES TES POLE ON STRUCTURE
 - \bullet SPEED SIGN

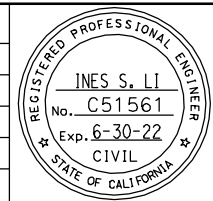
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 30
NTS

SMH Jun 21, 2020 - 10:39am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\00SR341.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR341.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED

BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

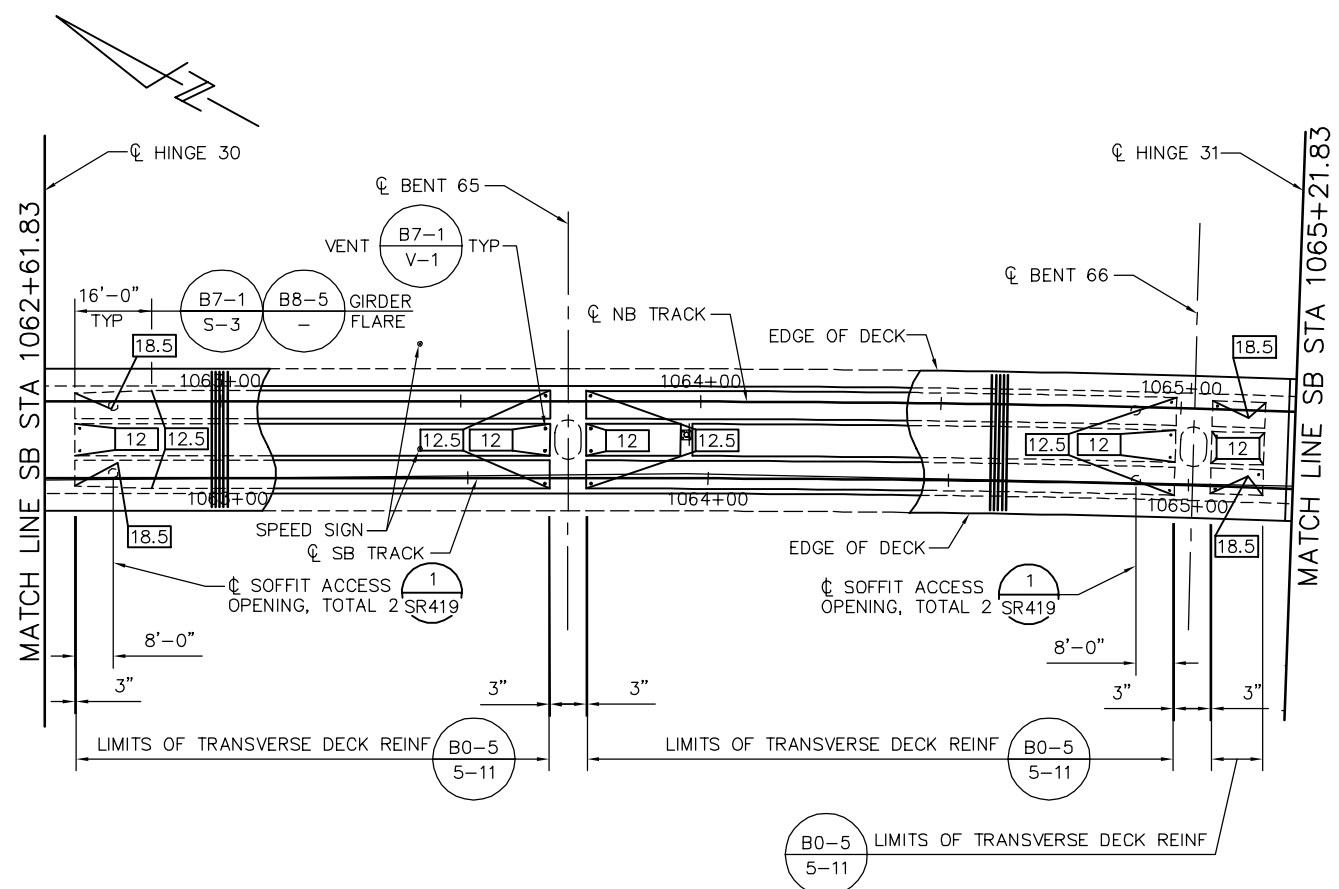
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

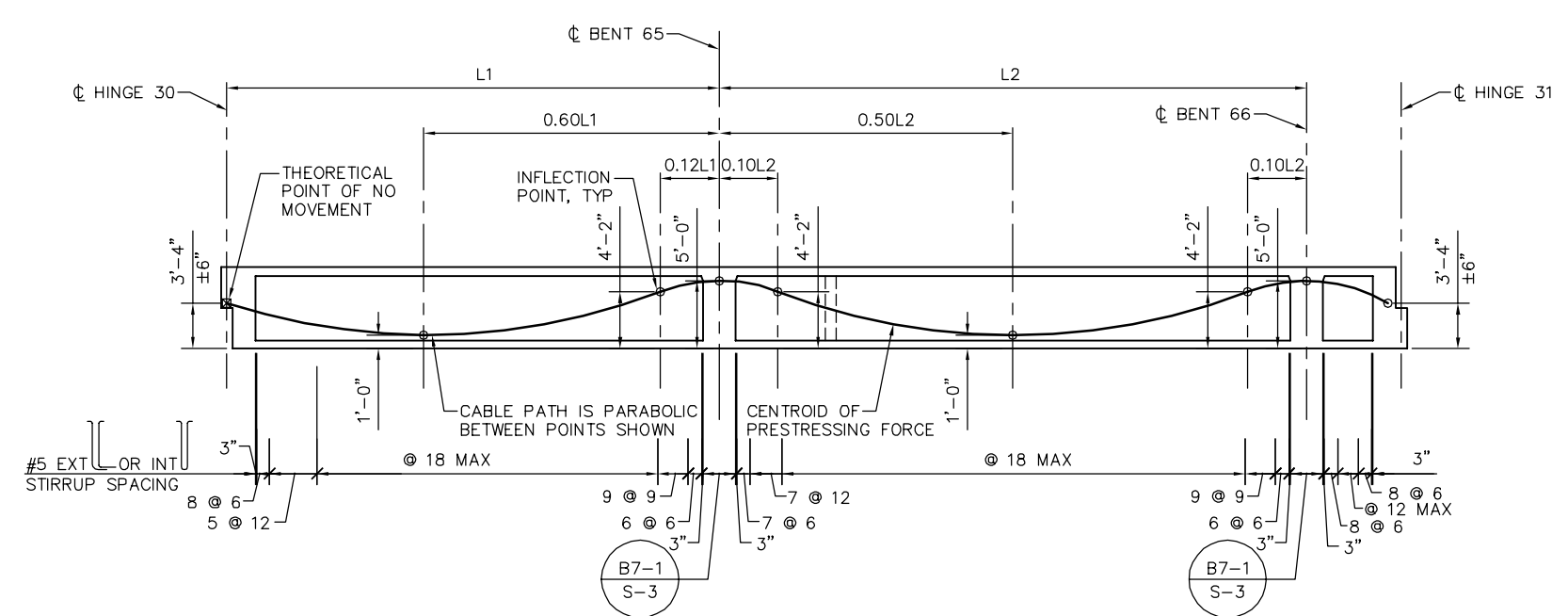
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 30

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

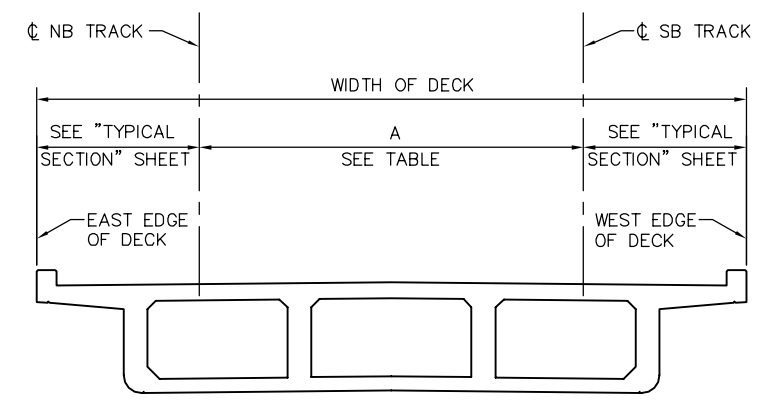
SHEET OF DRAWING NO. SR341 REVISION B



GIRDER LAYOUT - FRAME 31
1" = 20'



LONGITUDINAL SECTION - FRAME 31
NTS



DECK DIMENSIONS - FRAME 31
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 30	1062+61.83	16.00'
BENT 65	1063+70.83	16.00'
BENT 66	1065+00.83	16.00'
HINGE 31	1065+21.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:
 PJACK = 5190 KIPS
 ANCHOR SET = 3/8"
 NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.818$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE-END STRESSING MUST BE PERFORMED FROM THE HINGE 31.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

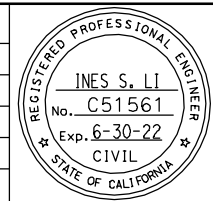
- NOTES:
- L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
 - FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

- LEGEND:
- INDICATES GIRDER STEM WIDTH IN INCHES
 - \square INDICATES TES POLE ON STRUCTURE
 - SPEED SIGN

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:40am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR342.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR342.dwg

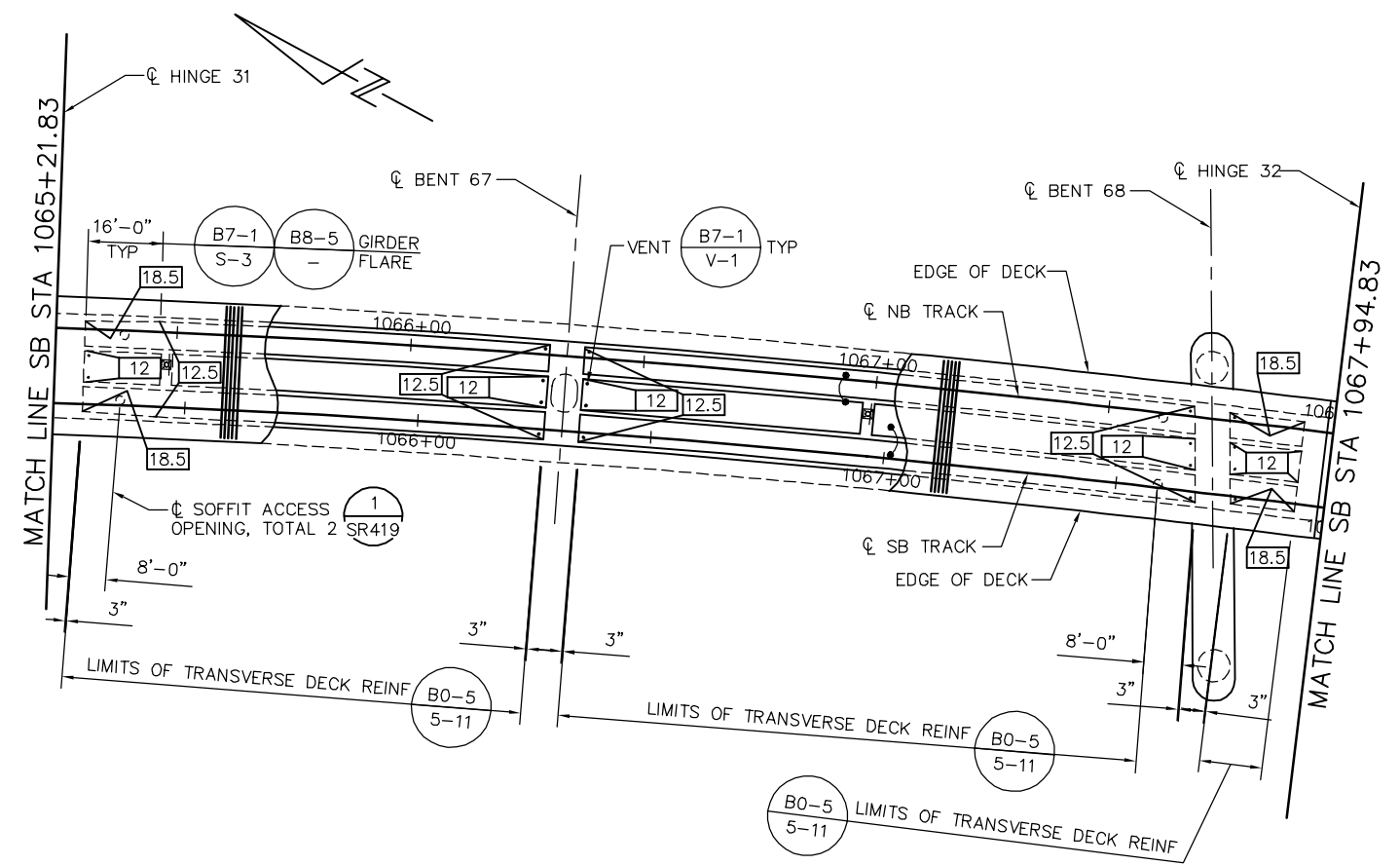
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

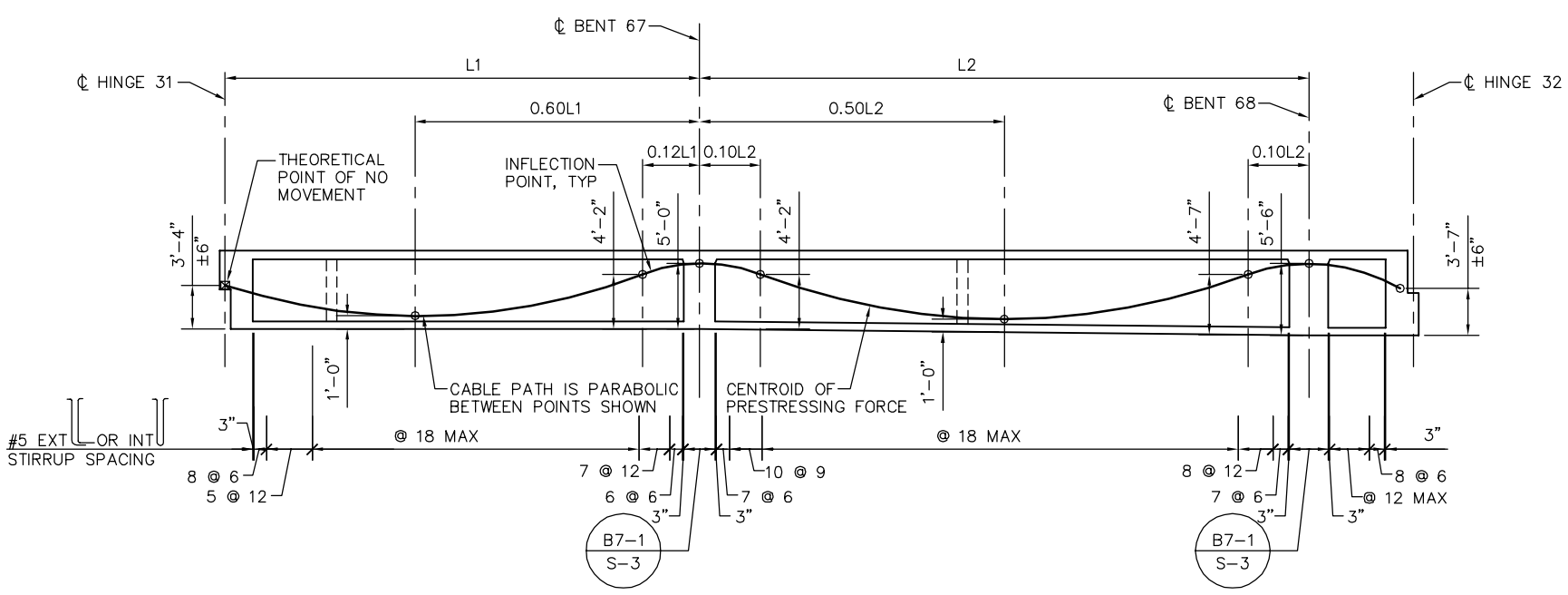
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 GIRDER LAYOUT - FRAME 31

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

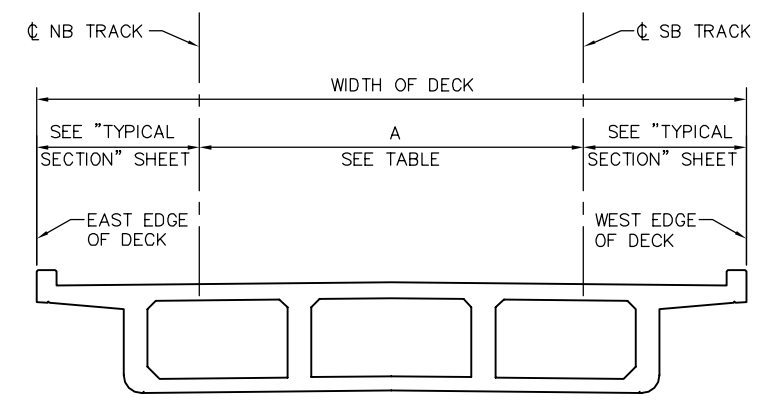
SHEET OF	DRAWING NO. SR342
REVISION	B



GIRDER LAYOUT - FRAME 32
1" = 20'



LONGITUDINAL SECTION - FRAME 32
NTS



DECK DIMENSIONS - FRAME 32
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 31	1065+21.83	16.00'
BENT 67	1066+30.83	16.00'
BENT 68	1067+70.83	16.00'
HINGE 32	1067+94.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6590 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.817$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE-END STRESSING MUST BE PERFORMED FROM THE HINGE 32.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

NOTES:

1. L1 AND L2 ARE MEASURED ALONG THE CL OF EACH GIRDER
2. FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

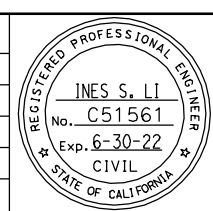
LEGEND:

- \square INDICATES GIRDER STEM WIDTH IN INCHES
- \square INDICATES TES POLE ON STRUCTURE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:41am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR343.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR343.dwg

Santa Clara Valley
Transportation
Authority

APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

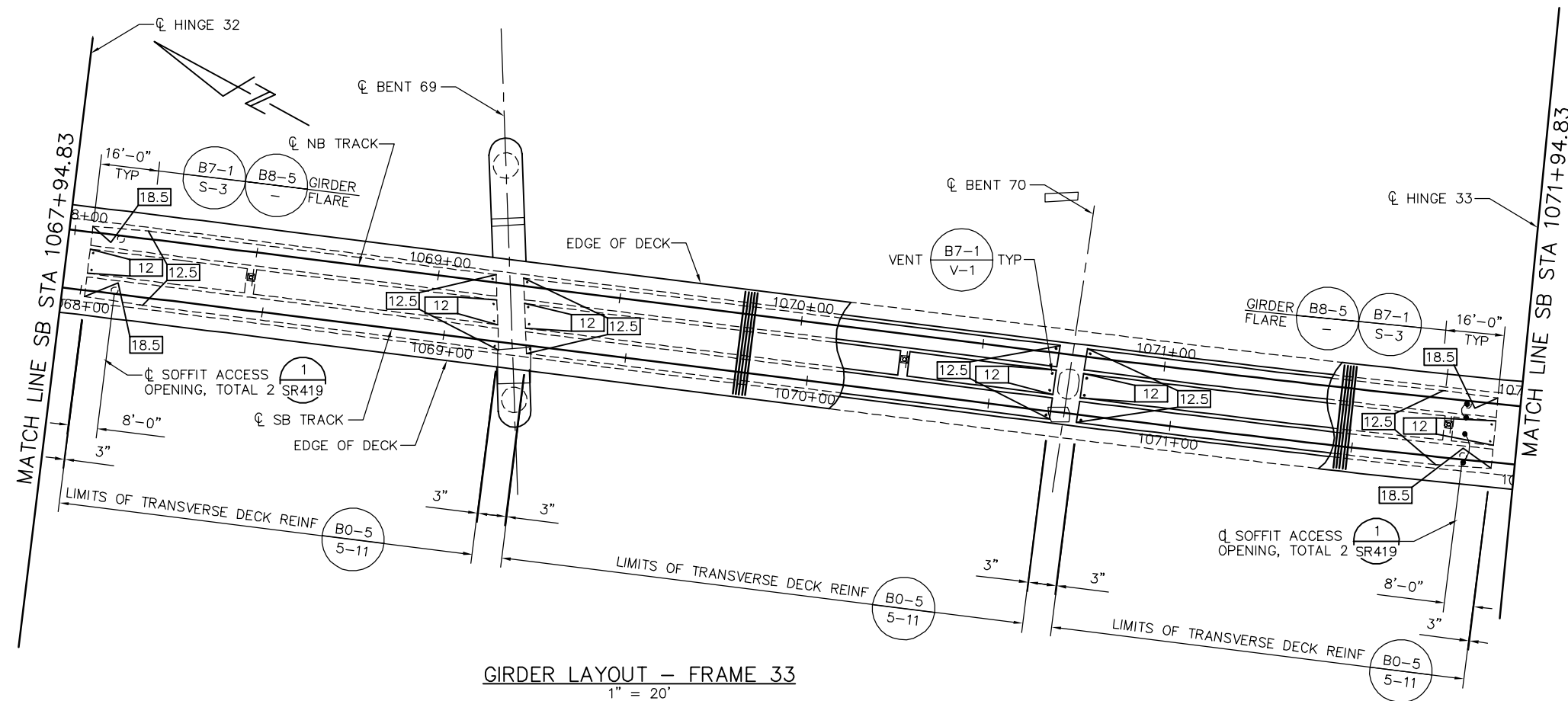
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

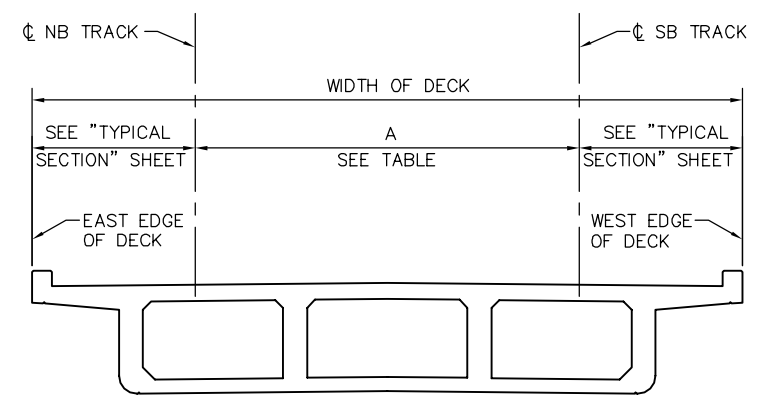
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 32

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR343
REVISION	B



GIRDER LAYOUT - FRAME 33
1" = 20'



DECK DIMENSIONS - FRAME 33
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 32	1067+94.83	16.00'
BENT 69	1069+18.83	16.00'
BENT 70	1070+70.83	16.00'
HINGE 33	1071+94.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 6070 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\boxtimes = 0.882$ TIMES JACKING STRESS

\boxtimes DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO-END STRESSING MUST BE PERFORMED.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

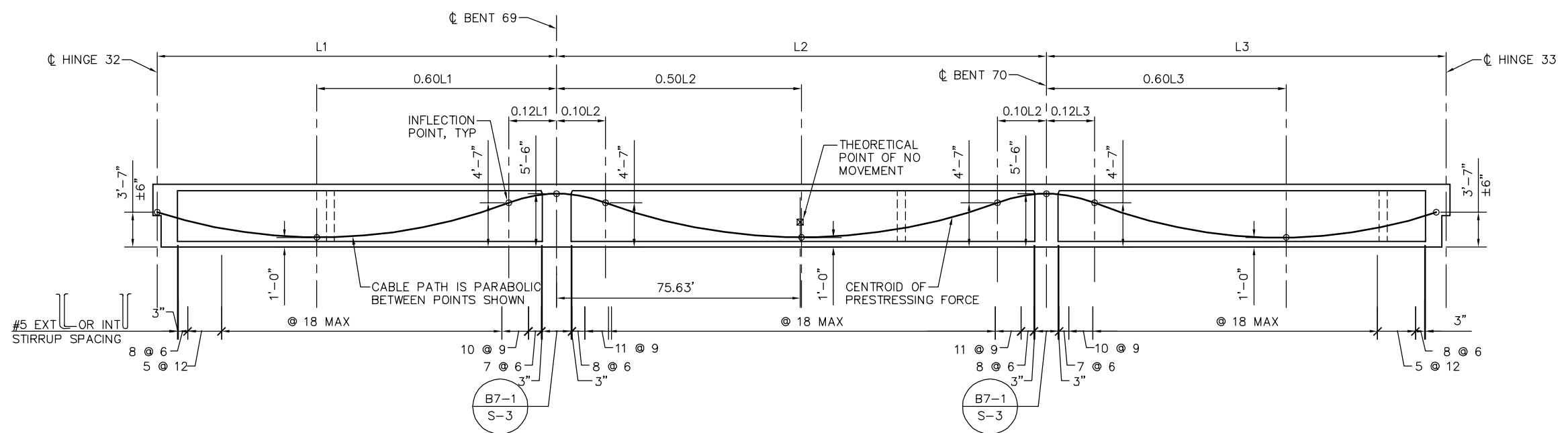
NOTES:

- L1, L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

\square INDICATES GIRDER STEM WIDTH IN INCHES

\boxtimes INDICATES TES POLE ON STRUCTURE

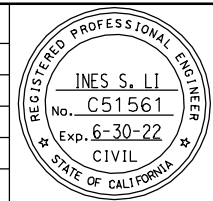


LONGITUDINAL SECTION - FRAME 33
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR344.dwg

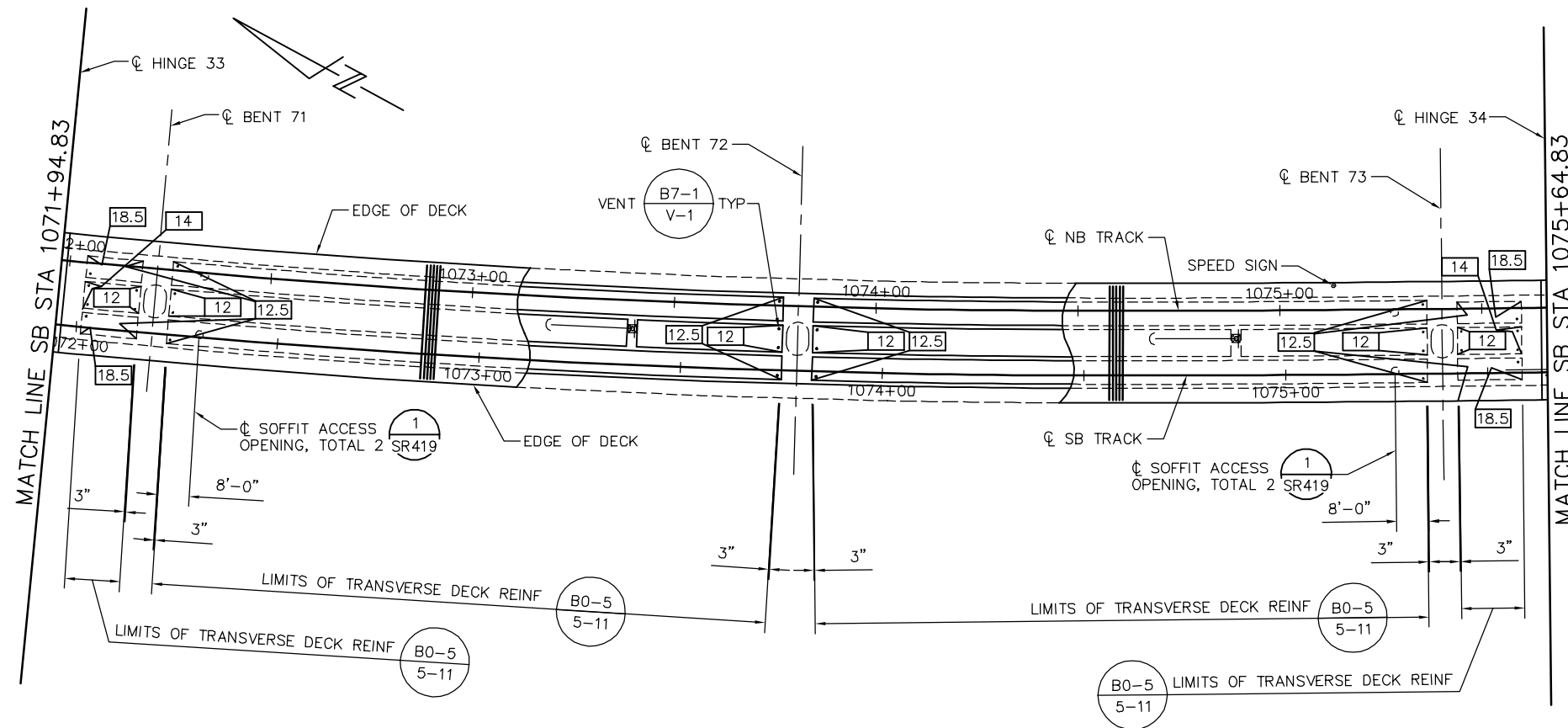
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 33

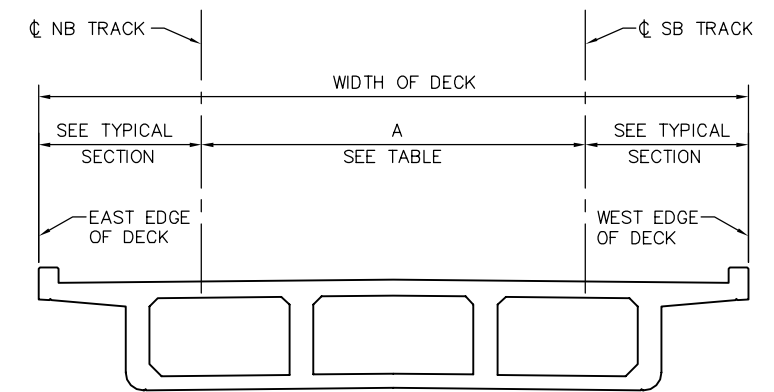
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR344 REVISION B



GIRDER LAYOUT - FRAME 34

1" = 20'



DECK DIMENSIONS - FRAME 34
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 33	1071+94.83	16.00'
BENT 71	1072+18.83	16.00'
BENT 72	1073+78.83	16.00'
BENT 73	1075+38.83	16.00'
HINGE 34	1075+64.83	16.00'

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

PJACK = 8230 KIPS
ANCHOR SET = 3/8"
NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\Delta = 0.762$ TIMES JACKING STRESS

☒ DENOTES THEORETICAL POINT OF NO MOVEMENT

ONE END STRESSING MUST BE PERFORMED FROM HINGE 33.

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT$.

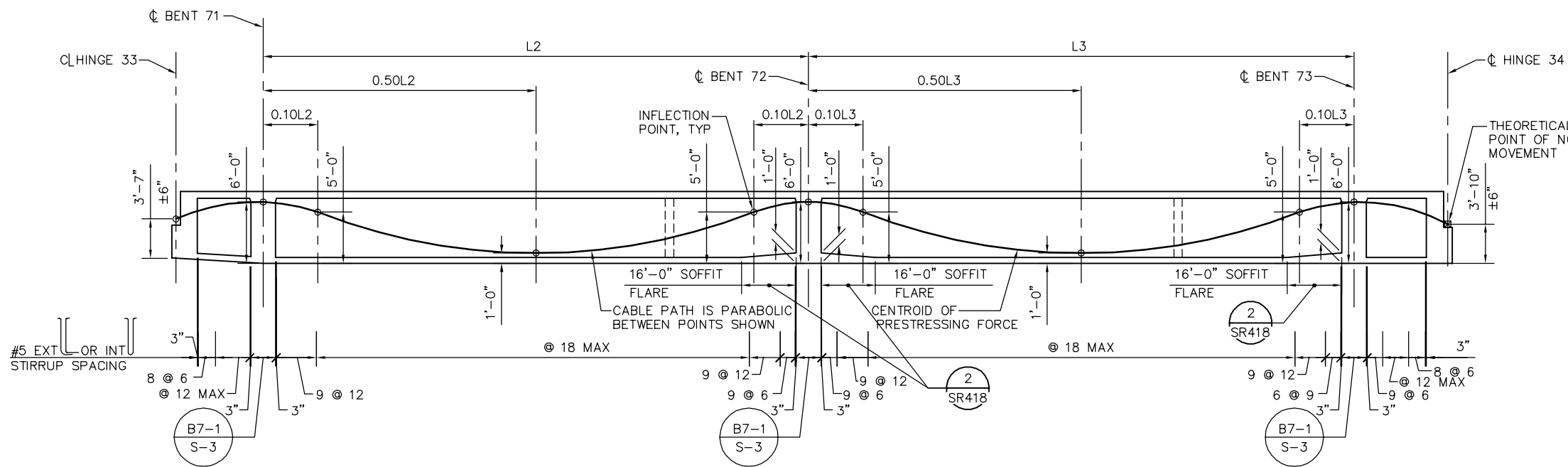
NOTES:

- L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- ☐ INDICATES GIRDER STEM WIDTH IN INCHES
- ☒ INDICATES TES POLE ON STRUCTURE
-) INDICATES GUY ANCHOR
- SPEED SIGN

PLAN CHECK SET/NOT FOR CONSTRUCTION

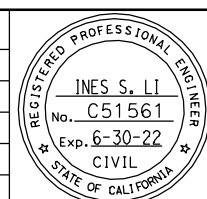


LONGITUDINAL SECTION - FRAME 34

NTS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR345.dwg

Santa Clara Valley
Transportation
Authority

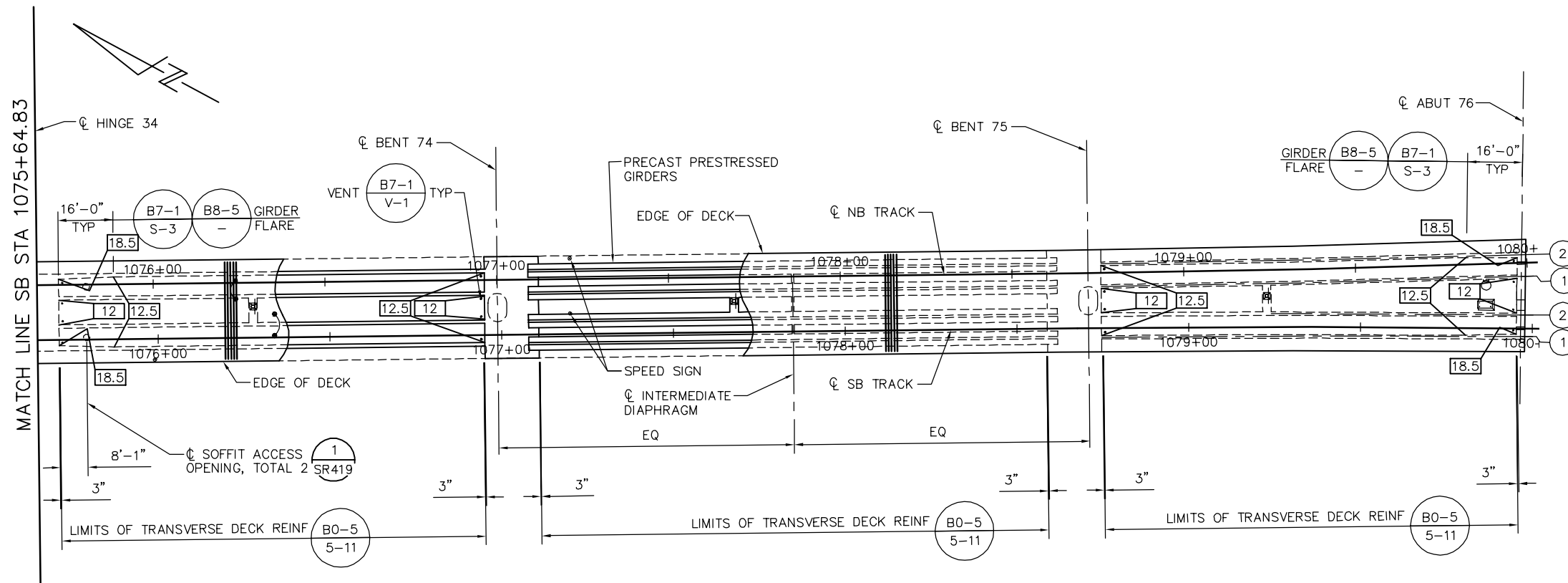
APPROVED
BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: AS SHOWN
BOARD APPROVAL DATE:

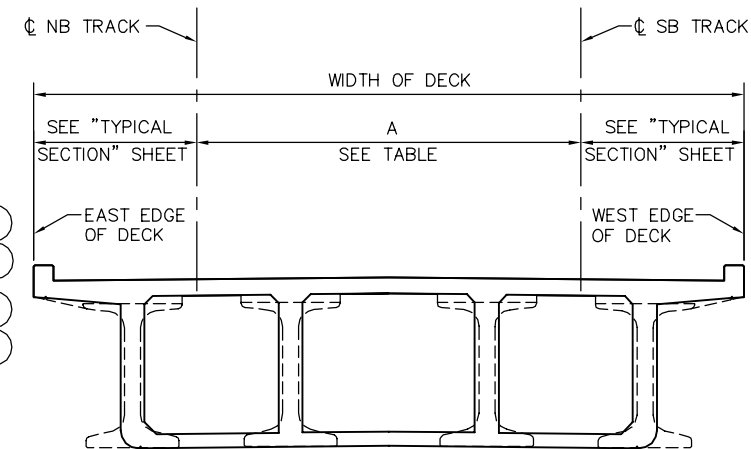
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 34

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR345 REVISION B



GIRDER LAYOUT - FRAME 35
1" = 20'



DECK DIMENSIONS - FRAME 35
NTS

LOCATION	SB STATION	A = OFFSET FROM CL SB TRACK TO CL NB TRACK SEE *
HINGE 34	1075+64.83	16.00
BENT 74	1076+98.83	16.00
BENT 75	1078+70.83	16.00
ABUTMENT 76	1079+96.58	18.98

* DIMENSION "A" SHOWN FOR REFERENCE ONLY. VERIFY WITH TG DWGS.

PRESTRESSING NOTES

270 KSI LOW RELAXATION STRAND:

- PJACK = 6360 KIPS
- ANCHOR SET = 3/8"
- NO. OF GIRDERS = 4

DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS MUST NOT EXCEED THE RATIO OF 10 TO 9 (LARGER FORCE TO SMALLER FORCE)

CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS
 $f'_{ci} = 4000$ PSI @ TIME OF STRESSING

CONTRACTOR MUST SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT $\square = 0.889$ TIMES JACKING STRESS

\square DENOTES THEORETICAL POINT OF NO MOVEMENT

TWO-END STRESSING MUST BE PERFORMED

PRESTRESS FORCE DESIGN IS BASED ON FRICTION COEFFICIENT $\mu = 0.15$ AND FRICTION WOBBLE COEFFICIENT $K = 0.0002/FT.$

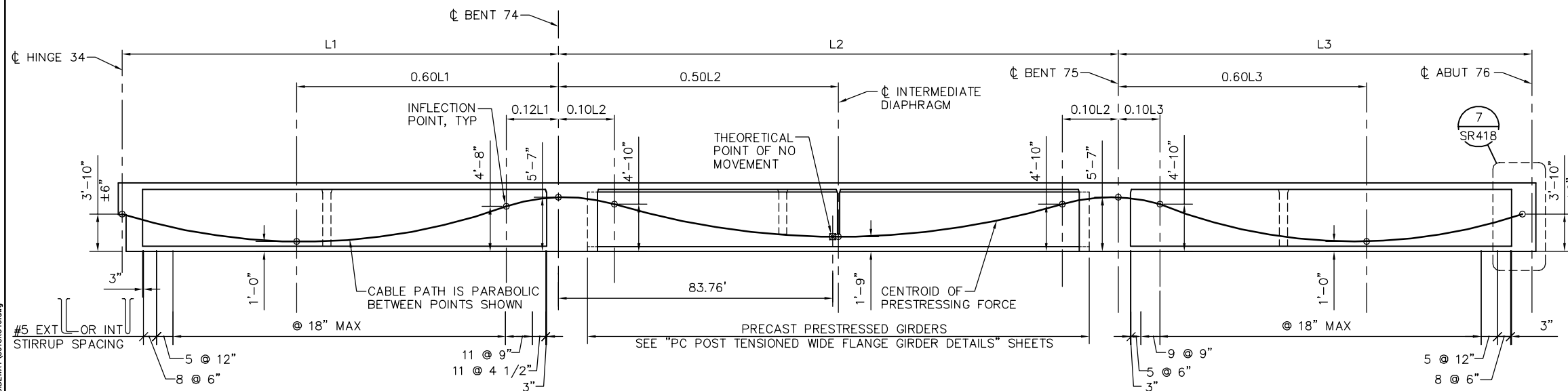
NOTES:

- L1, L2 AND L3 ARE MEASURED ALONG THE CL OF EACH GIRDER
- FOR TES POLE AND GUY ANCHOR FOUNDATION DETAILS, SEE "TES FOUNDATION DETAILS" SHEETS.

LEGEND:

- INDICATES GIRDER STEM WIDTH IN INCHES
- INDICATES TES POLE ON STRUCTURE
- INDICATES SPEED SIGN
- 1 INDICATES PRECAST CONCRETE GIRDER DESIGNATION

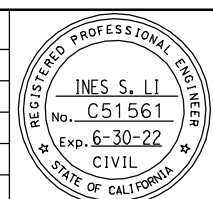
PLAN CHECK SET/NOT FOR CONSTRUCTION



LONGITUDINAL SECTION - FRAME 35
NTS

SMH Jun 21, 2020 - 10:43am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR346.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR346.dwg

Santa Clara Valley
Transportation
Authority

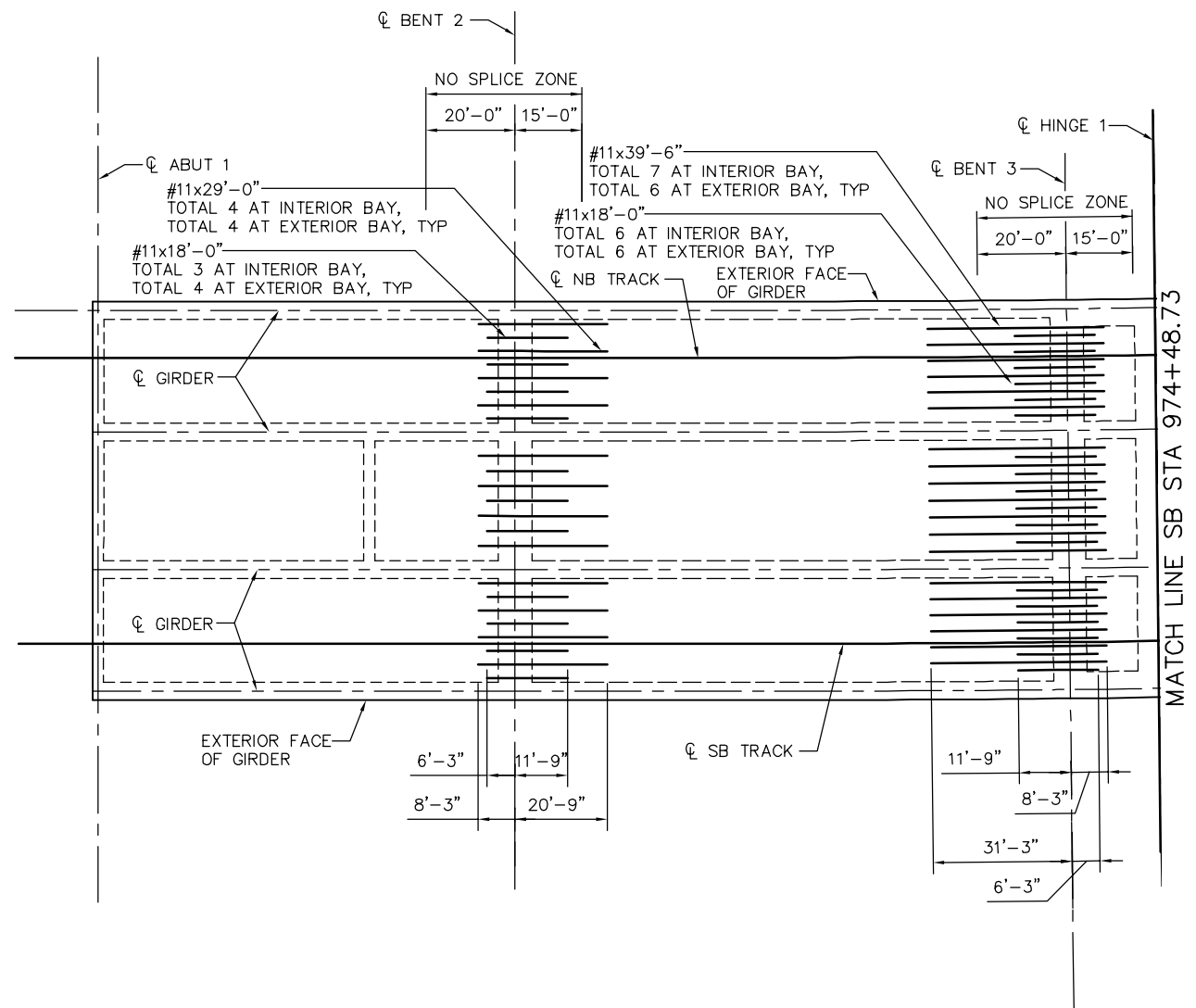
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER LAYOUT - FRAME 35

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR346 REVISION B



ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1
NO SCALE

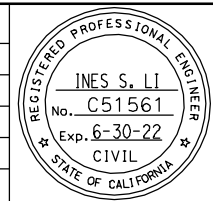
- SOFFIT REINFORCEMENT NOTES:
1. FOR TRACK ALIGNMENT, SEE TG DWGS.
 2. SEE "TYPICAL SECTION" SHEETS FOR TYPICAL SOFFIT REINFORCEMENT NOT SHOWN.
 3. NO SPLICE ALLOWED IN ADDITIONAL SOFFIT REINFORCEMENT.
 4. SPACE ADDITIONAL SOFFIT REINFORCEMENT APPROXIMATELY EQUAL WITHIN EACH BAY.
 5. ADJUST ADDITIONAL SOFFIT REINFORCEMENT AS NEEDED TO AVOID COLUMN REINFORCEMENT
 6. LENGTH OF REINFORCEMENT MEASURED ALONG ϕ STRUCTURE.
 7. SPLICES FOR CONTINUOUS SOFFIT REINFORCEMENT IDENTIFIED BY * ON "TYPICAL SECTION" SHEETS MUST BE LOCATED OUTSIDE THE NO SPLICE ZONES INDICATED.
 8. SOFFIT ACCESS OPENINGS NOT SHOWN, SEE "GIRDER LAYOUT" SHEETS FOR OPENING LOCATIONS. ADJUST SOFFIT REINF PER SECTION

A
SR419

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:43am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR347.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR347.dwg



APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

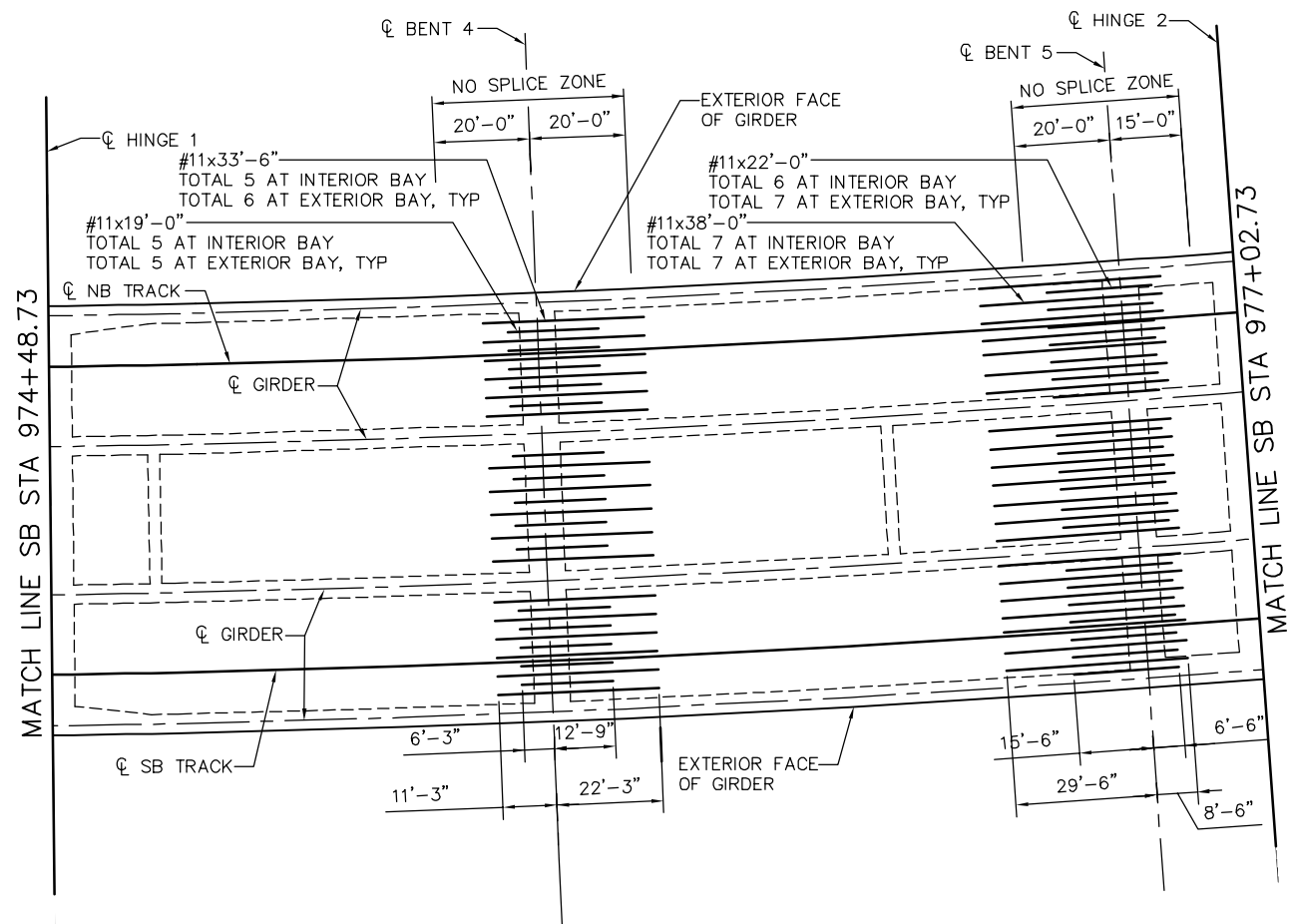
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR347
REVISION	B



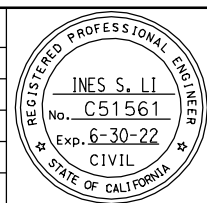
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 2
 NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:44am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR348.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR348.dwg

BCA



APPROVED

BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

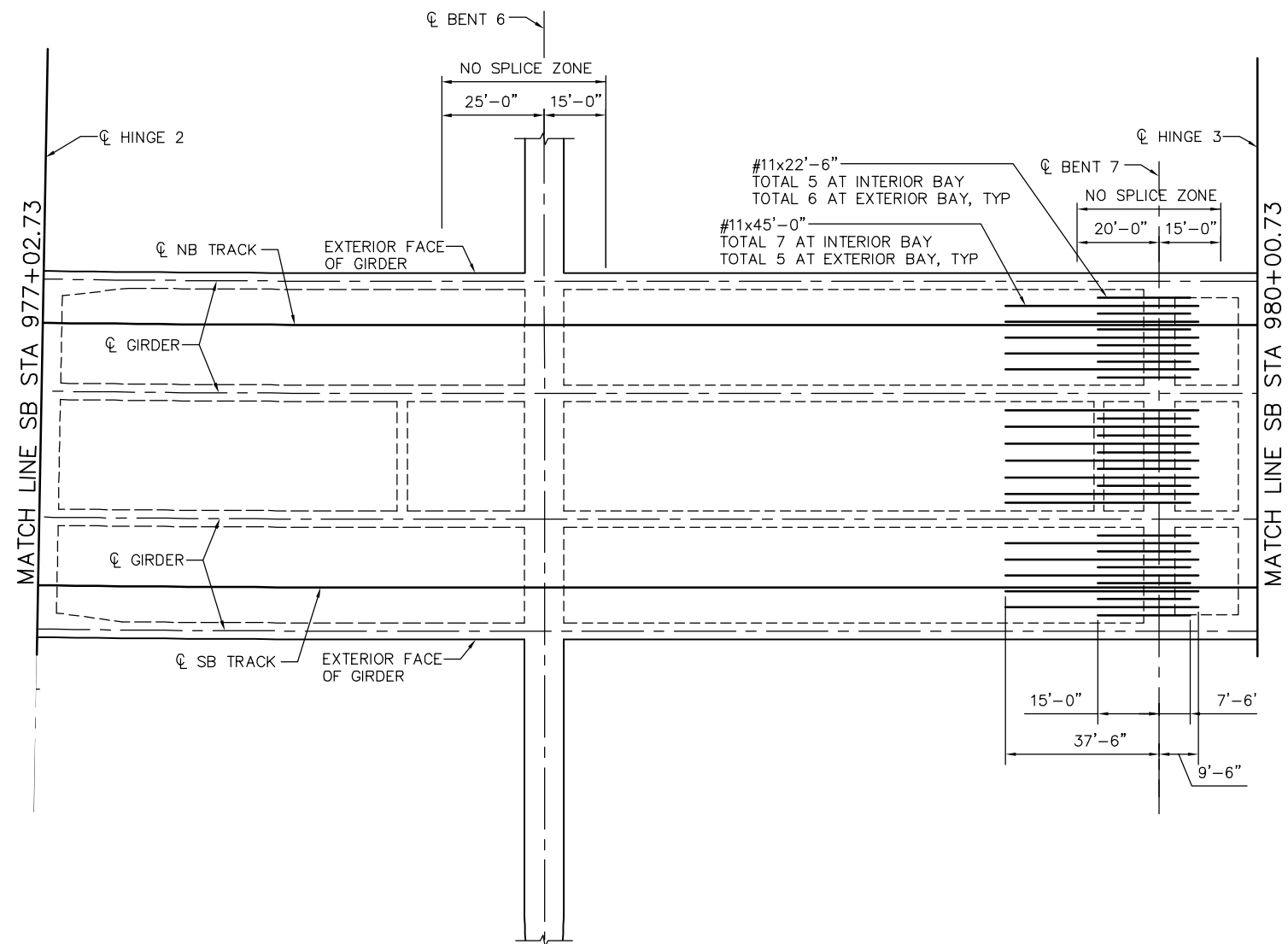
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 2

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR348
REVISION	B



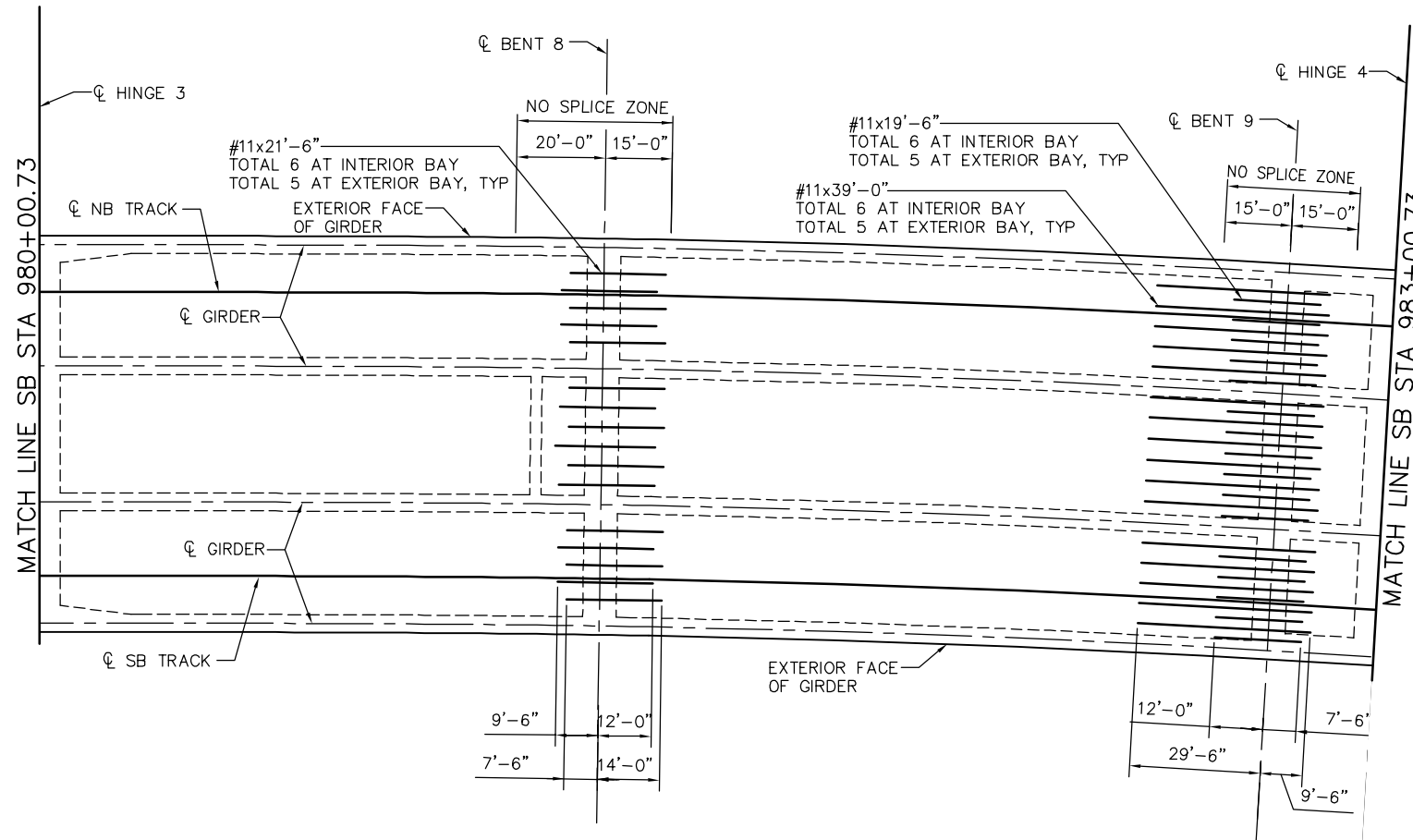
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 3
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1"
FOR SOFFIT REINFORCING NOTES.

SMH Jun 21, 2020 - 10:44am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR349.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS																		
B	06/20	95% SUBMITTAL SET																		
A	03/19	65% SUBMITTAL SET																		
			<p>CONTRACT NO. C801</p>	<p>FILE LOCATION PROJECTWISE</p>	<p>DRAWING NO. SR349</p>	<p>REVISION B</p>														



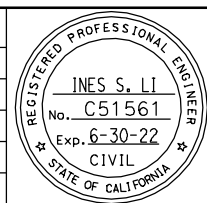
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 4
 NO SCALE

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NO.	DATE	REVISIONS
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A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR350.dwg



APPROVED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

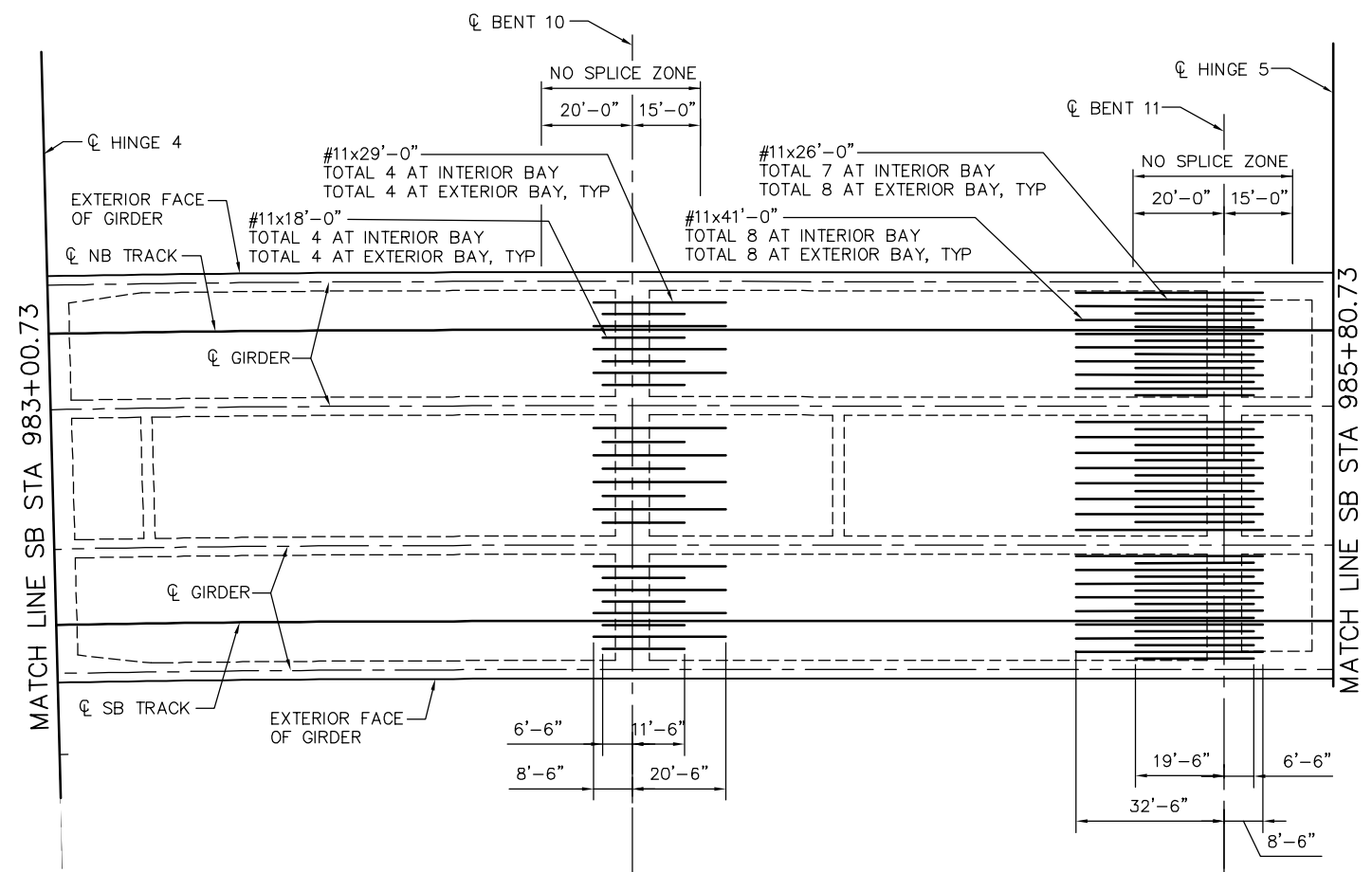
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 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
**CAPITOL AERIAL GUIDEWAY
 ADDITIONAL SOFFIT REINFORCEMENT - FRAME 4**

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR350
REVISION	B



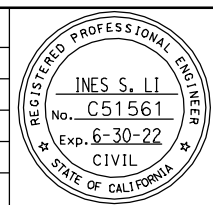
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 5
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1"
FOR SOFFIT REINFORCING NOTES.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR351.dwg

Santa Clara Valley
Transportation
Authority

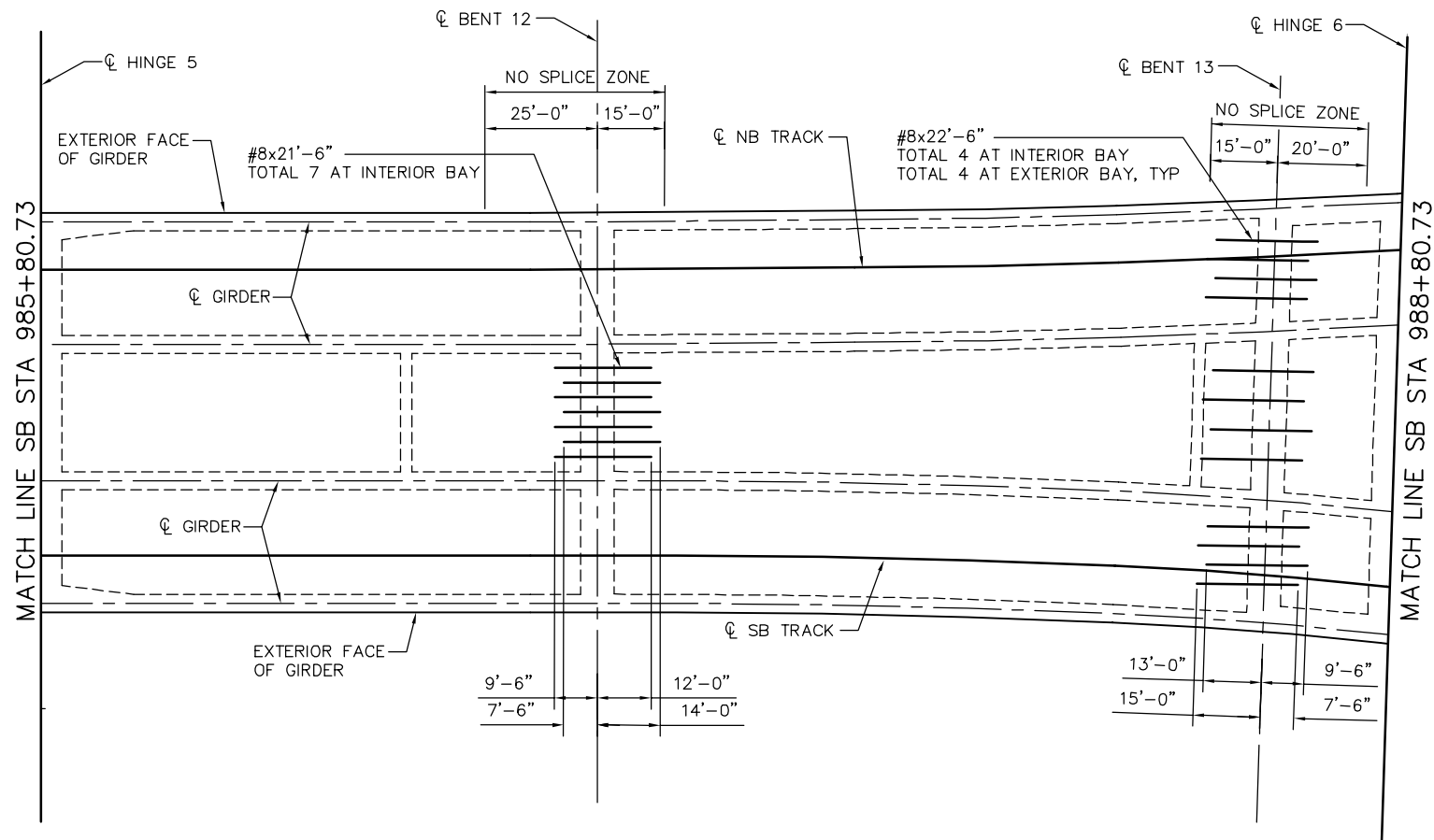
APPROVED

CADD FILE DATE: 05/18/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	SR351
REVISION	B



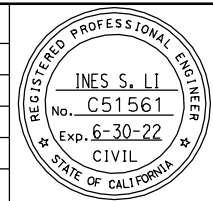
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 6
 NO SCALE

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NO.	DATE	REVISIONS
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 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR352.dwg



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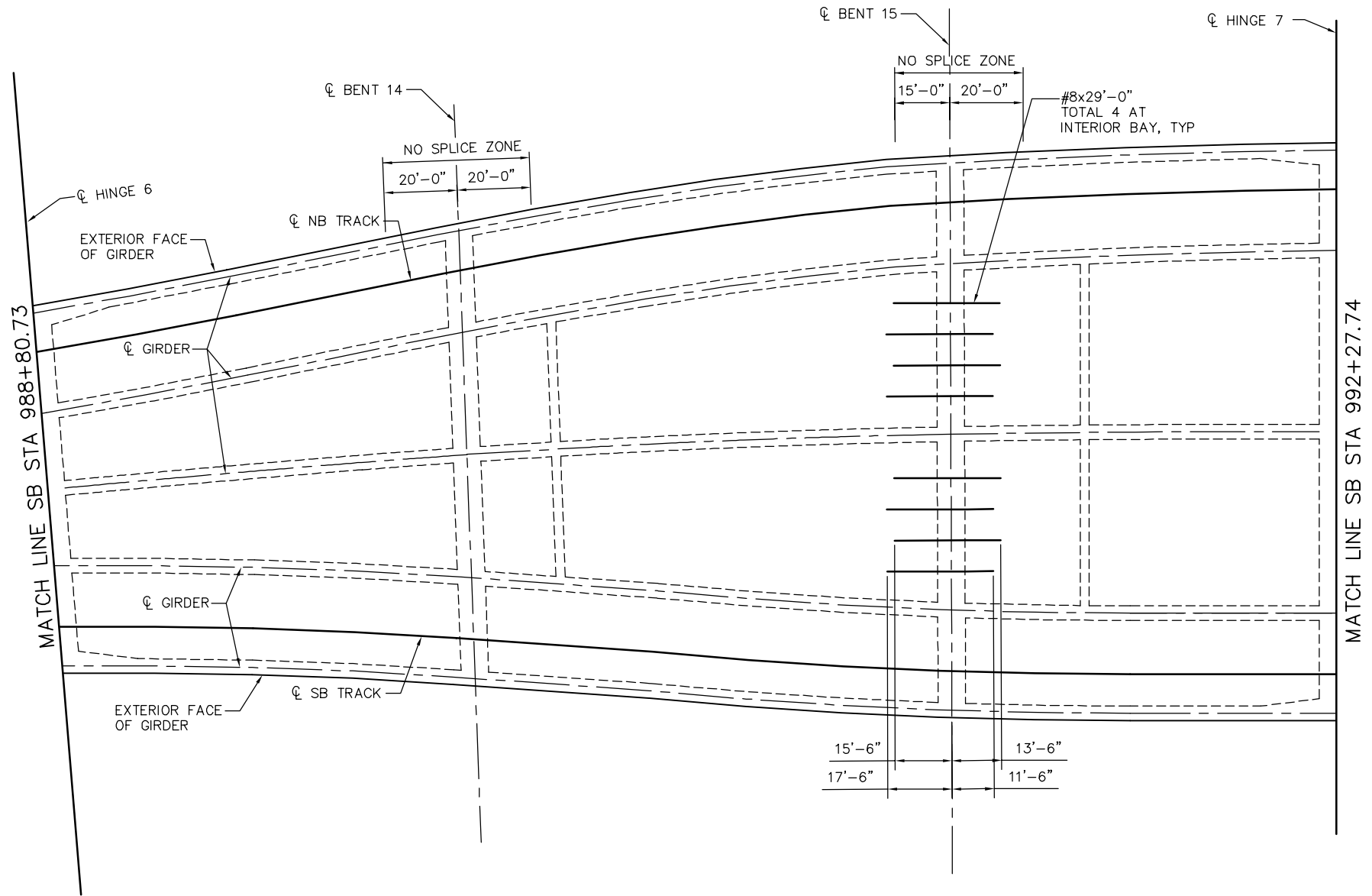
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SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 6

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR352
REVISION	B



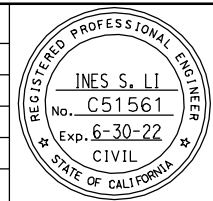
ADDITIONAL SOFFIT REINFORCEMENT – FRAME 7
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT – FRAME 1" FOR SOFFIT REINFORCING NOTES.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
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CADD FILENAME: 801SR353.dwg



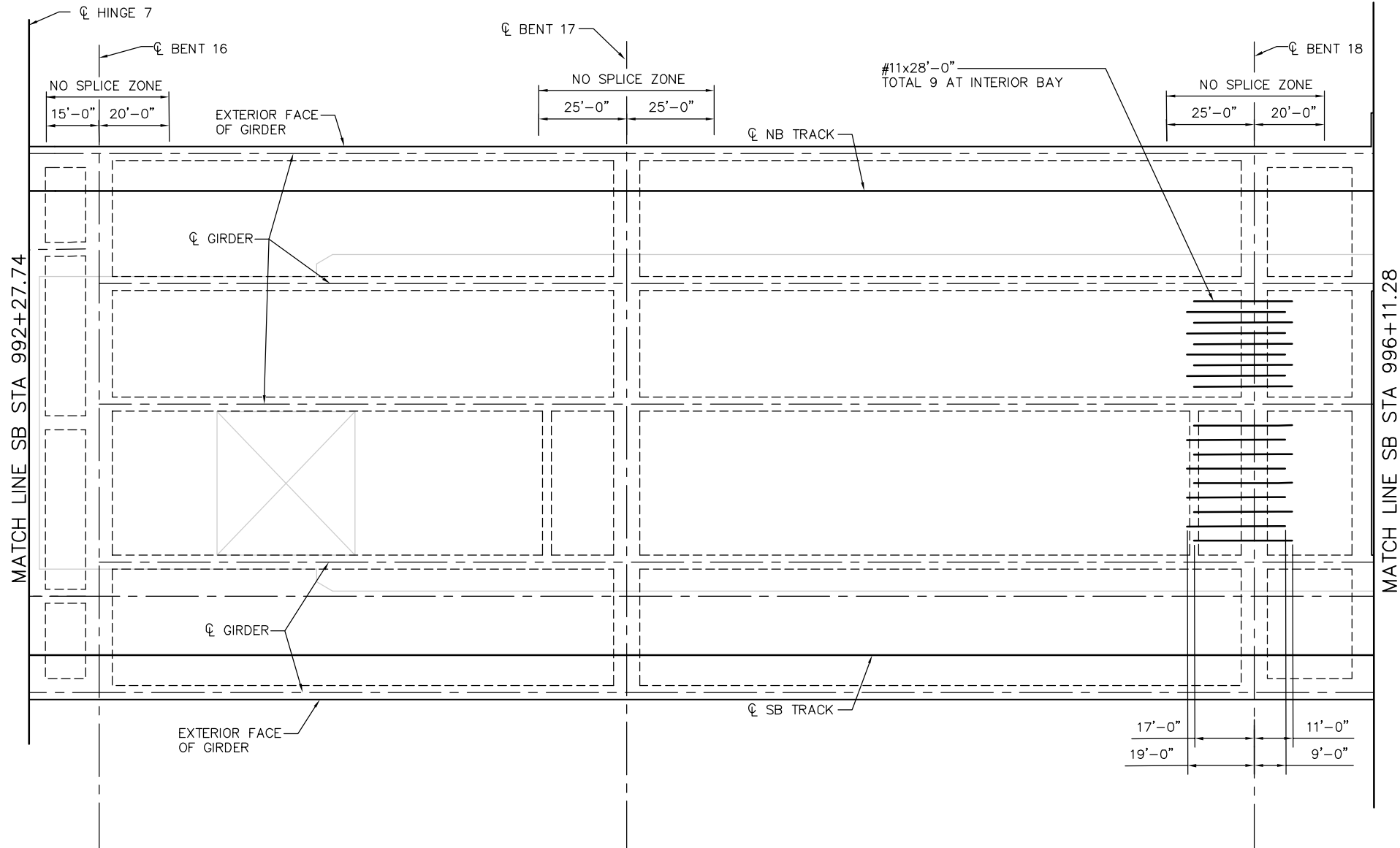
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 7

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR353
REVISION	B



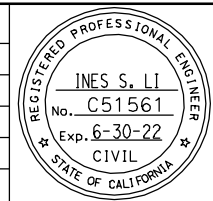
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 8
NO SCALE

SOFFIT REINFORCEMENT NOTES:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR354.dwg

Santa Clara Valley
Transportation
Authority

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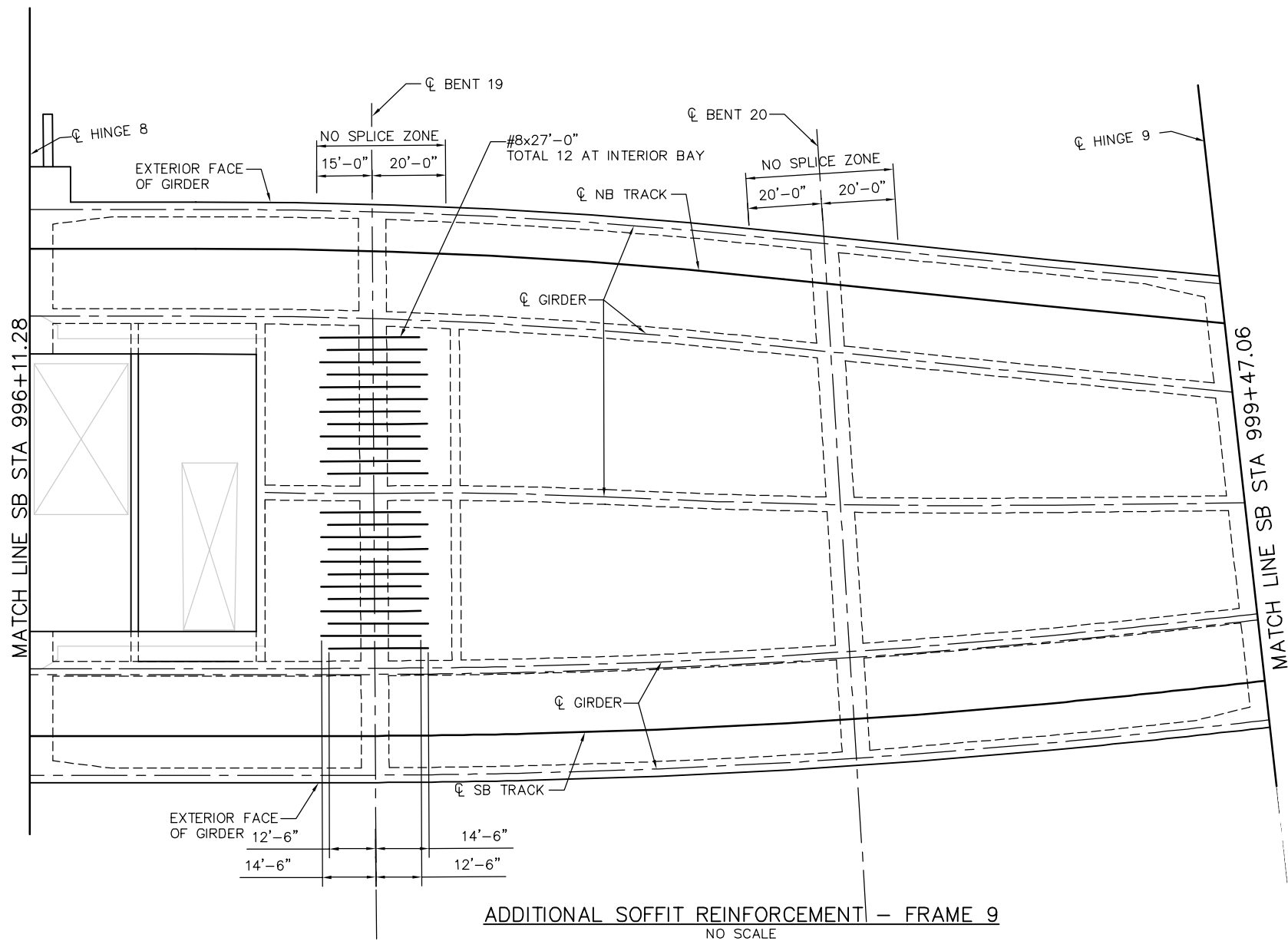
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 8

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR354
REVISION	B

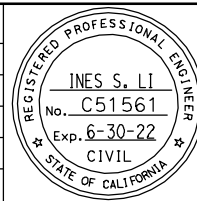


NOTE:
SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR SOFFIT REINFORCING NOTES.

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PLAN CHECK SET/NOT FOR CONSTRUCTION

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B	06/20	95% SUBMITTAL SET
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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR355.dwg



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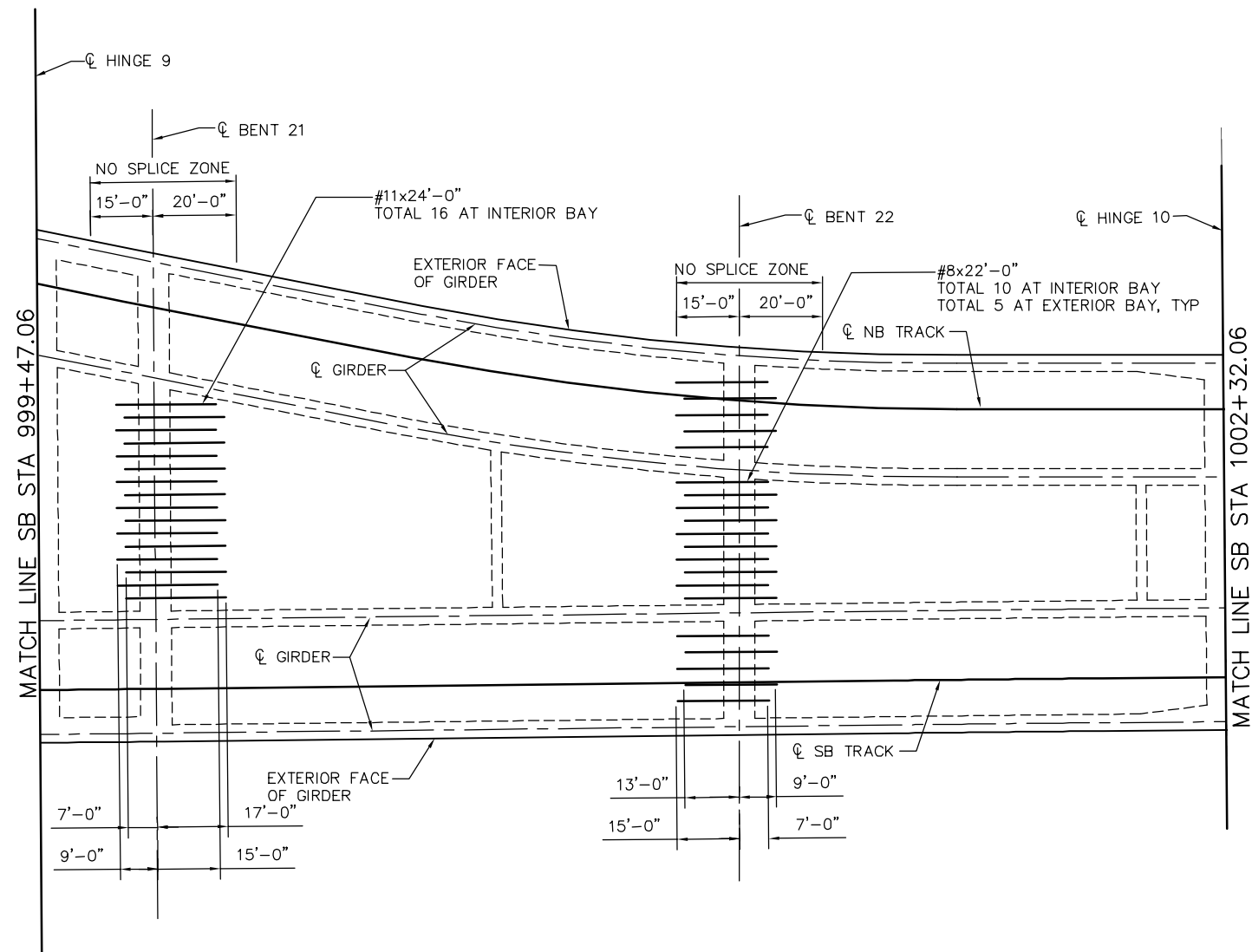
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SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 9

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR355
REVISION	B



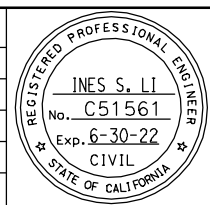
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 10
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

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DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR356.dwg

Santa Clara Valley
Transportation
Authority

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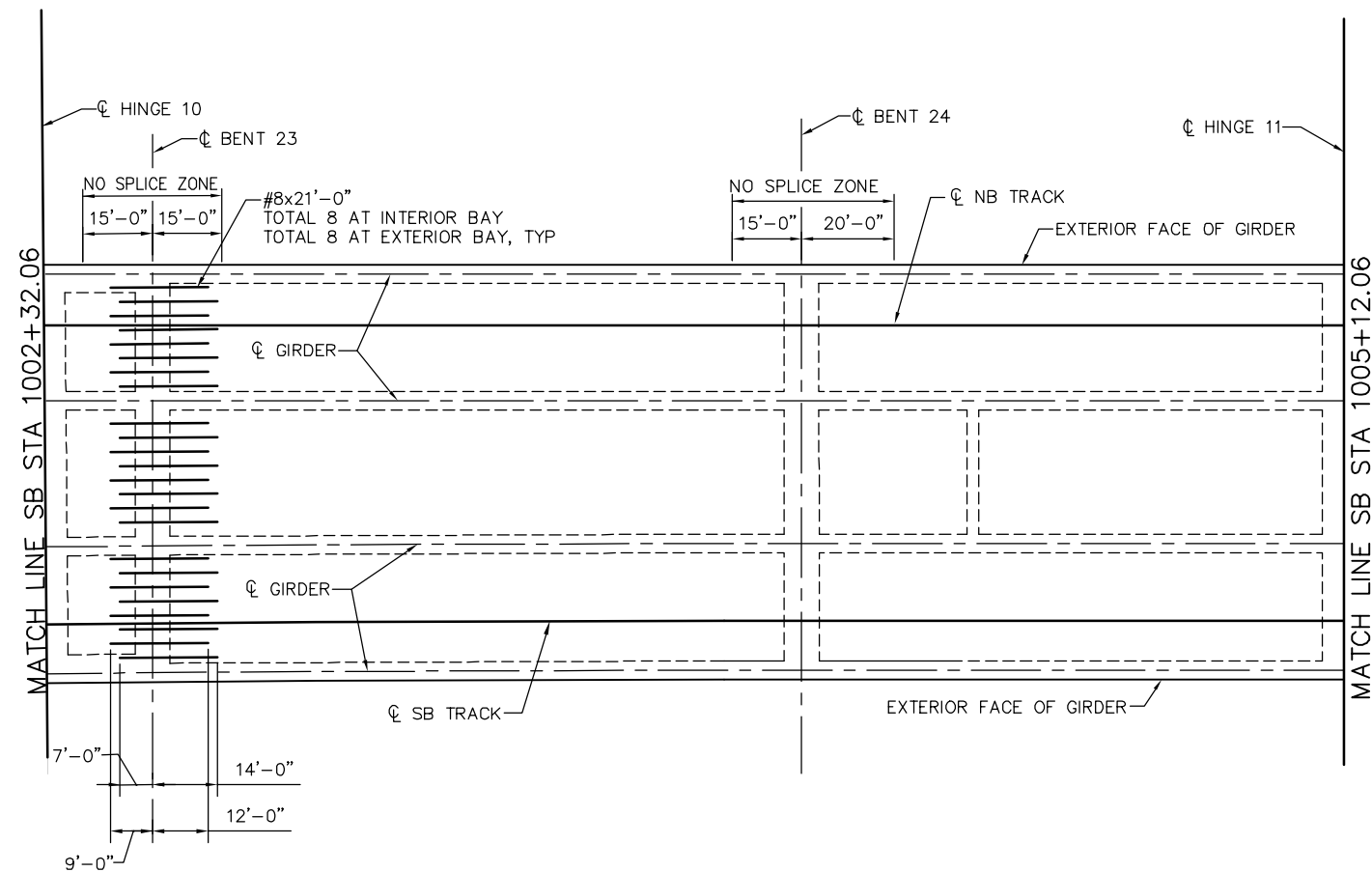
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 10

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR356
REVISION	B



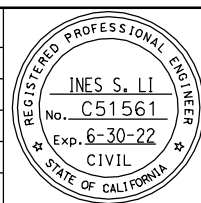
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 11
 NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR357.dwg



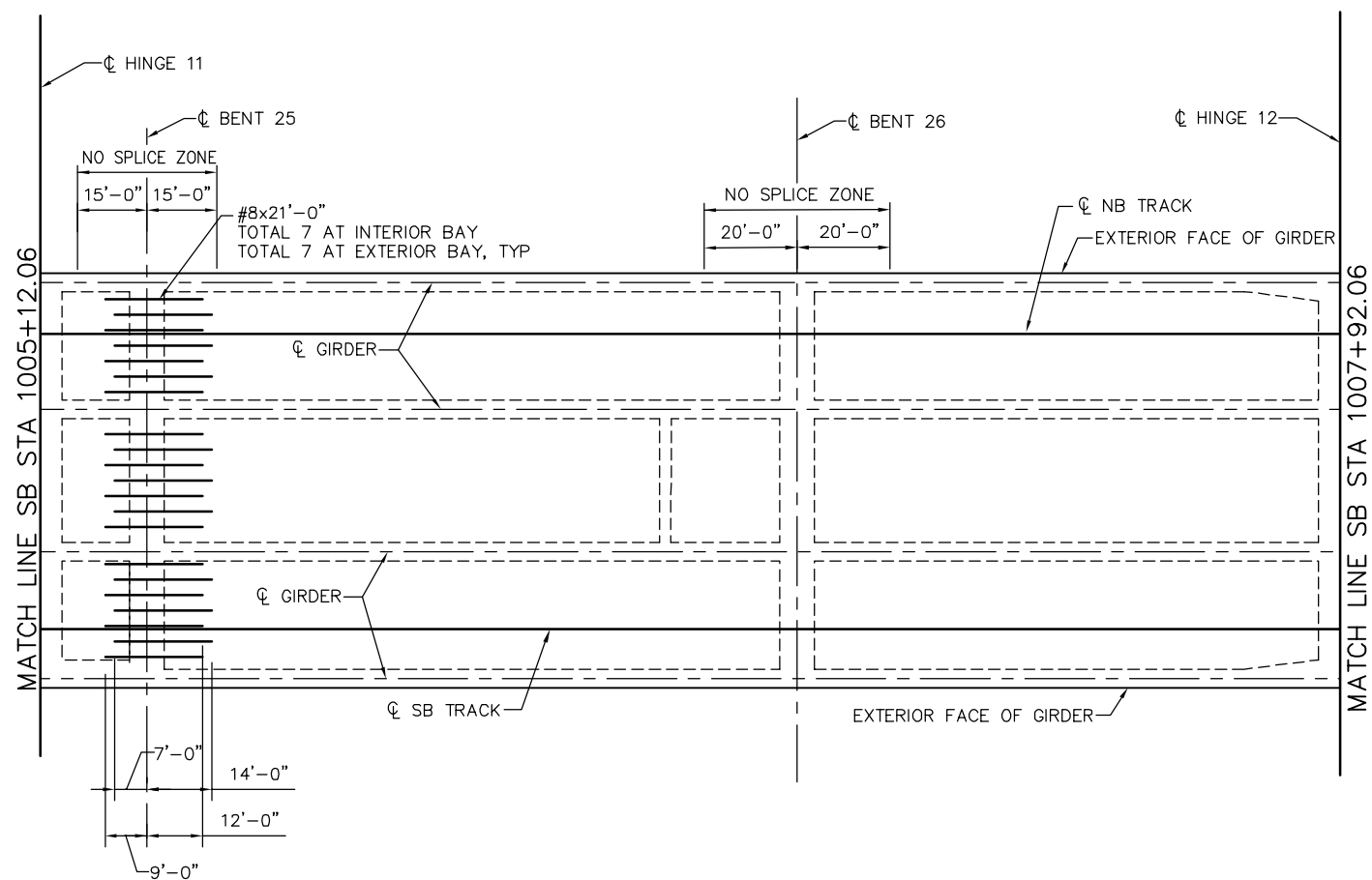
APPROVED

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL SOFFIT REINFORCEMENT - FRAME 11		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR357
REVISION	B



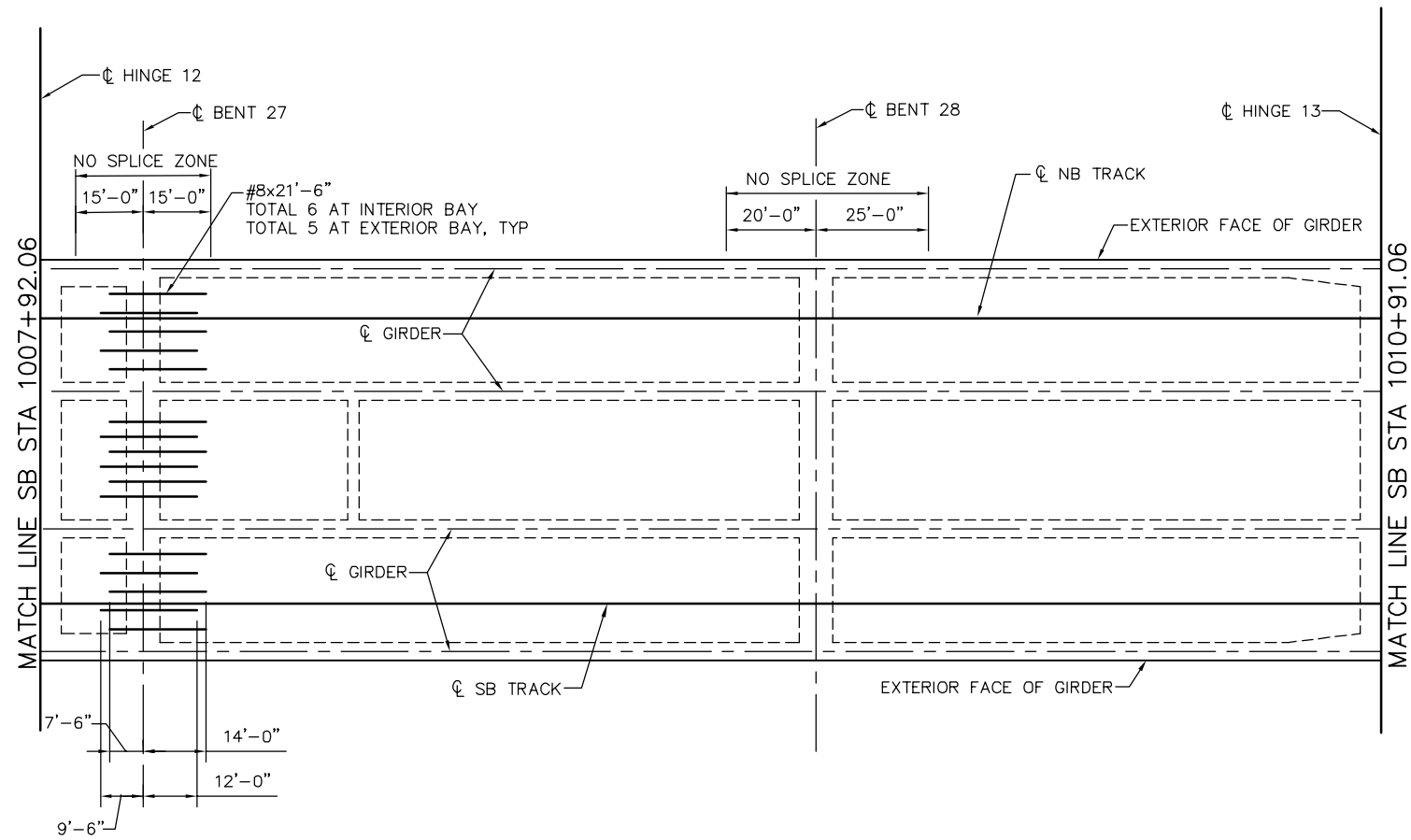
NOTE:
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ADDITIONAL SOFFIT REINFORCEMENT - FRAME 12
 NO SCALE

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000	C801	PROJECTWISE																																		
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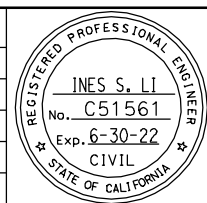
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 13
 NO SCALE

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR359.dwg



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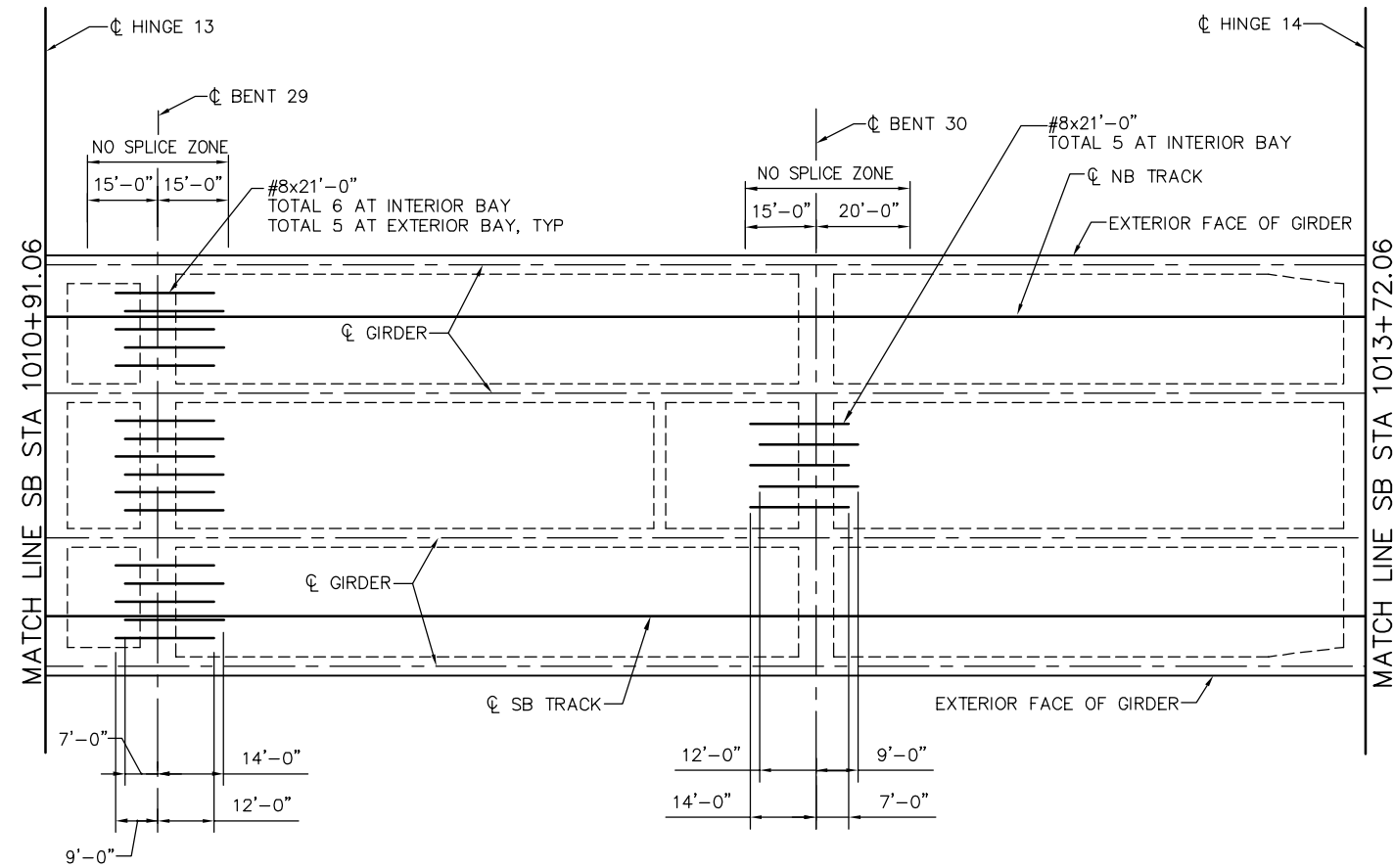
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 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 13

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR359
REVISION	B



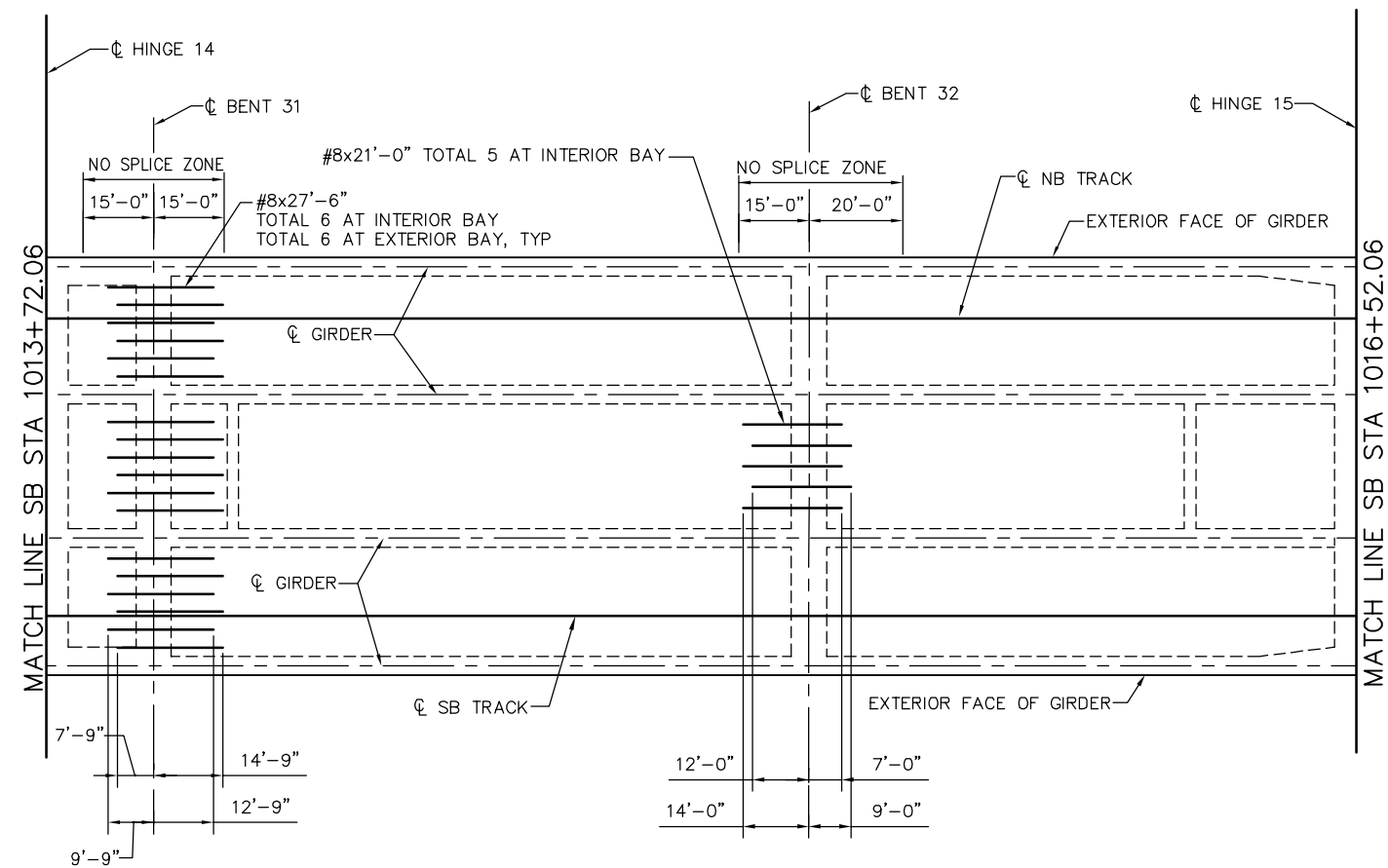
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 14
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

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	SR360																								
REVISION																									
	B																								
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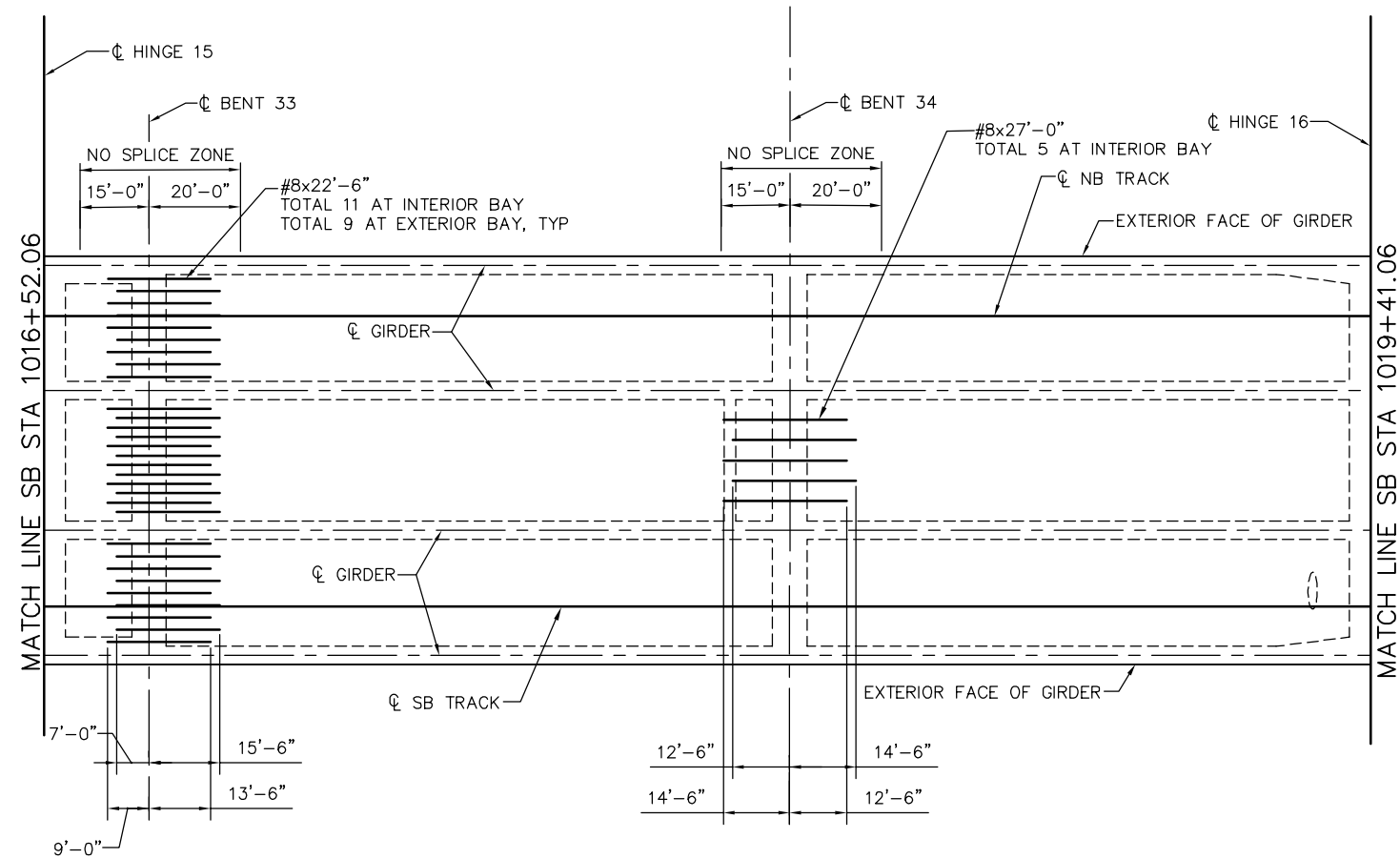
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 15
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR
ADDITIONAL SOFFIT REINFORCING NOTES.

SMH Jun 21, 2020 - 10:48am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR361.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS																										
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A	03/19	65% SUBMITTAL SET																										
PCA NO.	CONTRACT NO.	FILE LOCATION																										
000	C801	PROJECTWISE																										
SHEET OF	SR361																											
REVISION	B																											
<table border="1"> <tr> <td>DESIGNED</td> <td>D. CHAN</td> <td>CHECKED</td> <td>D. DEVLIN</td> </tr> <tr> <td>DRAWN</td> <td>S. HICKEY</td> <td>CADD FILENAME</td> <td>801SR361.dwg</td> </tr> </table>			DESIGNED	D. CHAN	CHECKED	D. DEVLIN	DRAWN	S. HICKEY	CADD FILENAME	801SR361.dwg	<table border="1"> <tr> <td>CADD FILE DATE</td> <td>SCALE</td> </tr> <tr> <td>05/18/20</td> <td>NTS</td> </tr> <tr> <td>SUBMITTAL DATE</td> <td>BOARD APPROVAL DATE</td> </tr> <tr> <td>06/29/20</td> <td></td> </tr> </table>	CADD FILE DATE	SCALE	05/18/20	NTS	SUBMITTAL DATE	BOARD APPROVAL DATE	06/29/20		<table border="1"> <tr> <td>REVISION</td> <td>NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	REVISION	NO.	DATE					
DESIGNED	D. CHAN	CHECKED	D. DEVLIN																									
DRAWN	S. HICKEY	CADD FILENAME	801SR361.dwg																									
CADD FILE DATE	SCALE																											
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SUBMITTAL DATE	BOARD APPROVAL DATE																											
06/29/20																												
REVISION	NO.	DATE																										



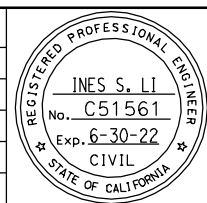
ADDITIONAL SOFFIT REINFORCEMENT – FRAME 16
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT – FRAME 1" FOR
ADDITIONAL SOFFIT REINFORCING NOTES.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR362.dwg



APPROVED

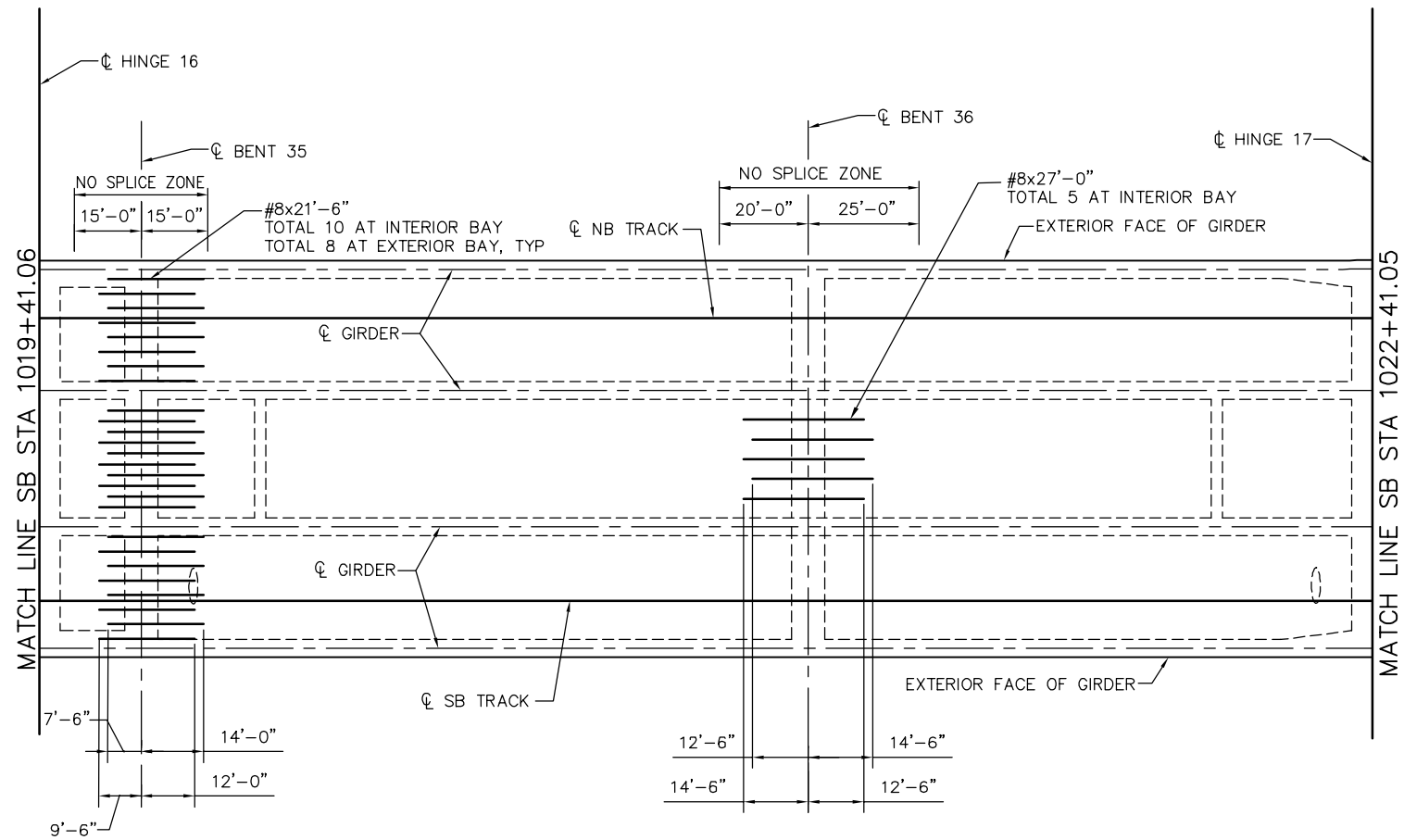
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 16

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR362
REVISION	B



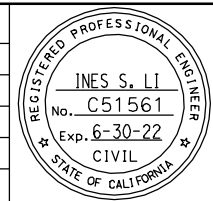
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 17
 NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:49am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR363.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR363.dwg



APPROVED

BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

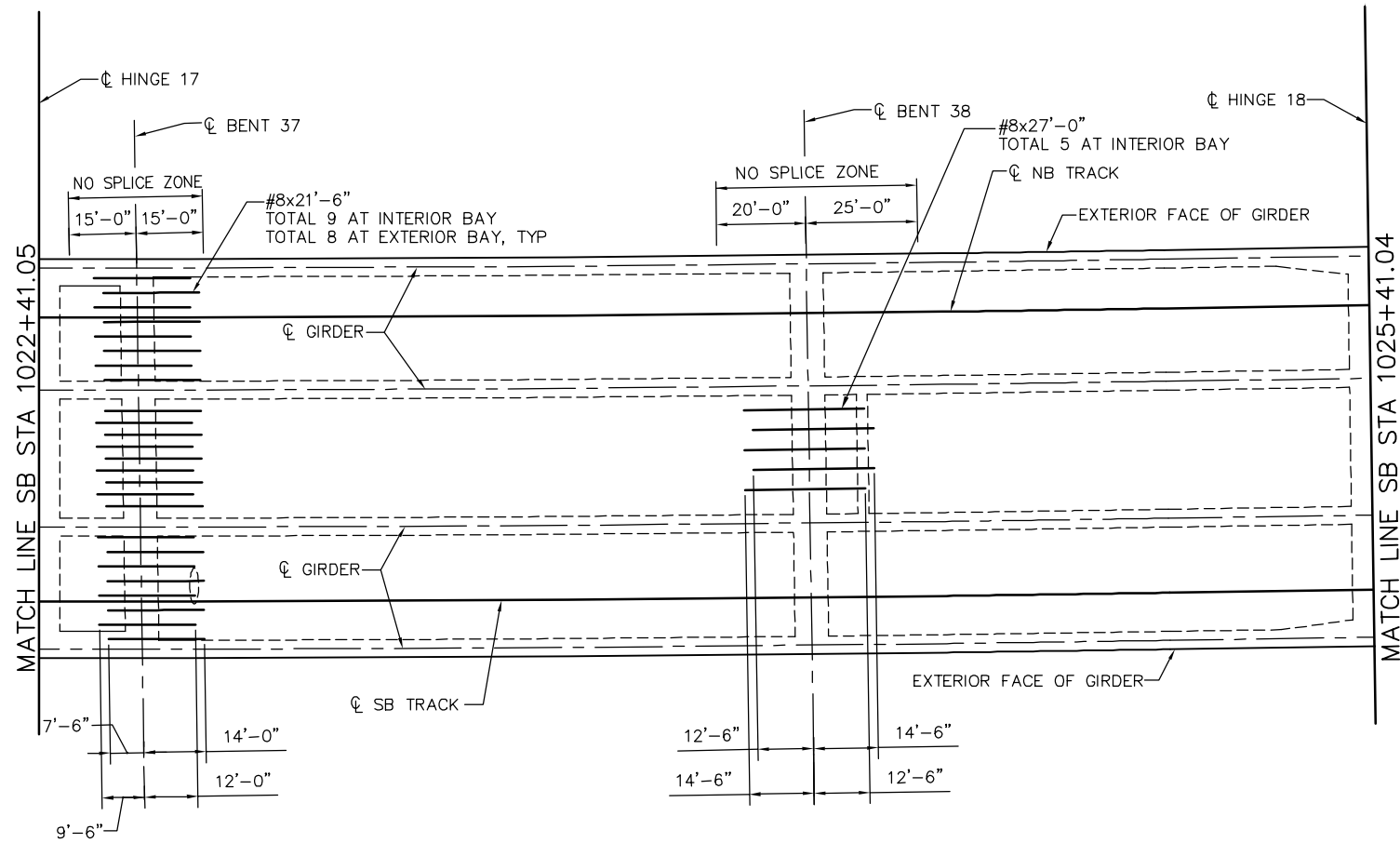
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 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 17

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR363
REVISION	B



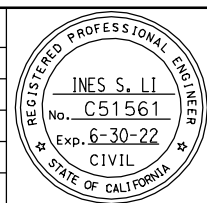
ADDITIONAL SOFFIT REINFORCEMENT – FRAME 18
 NO SCALE

NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT – FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:49am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR364.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR364.dwg



APPROVED
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 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

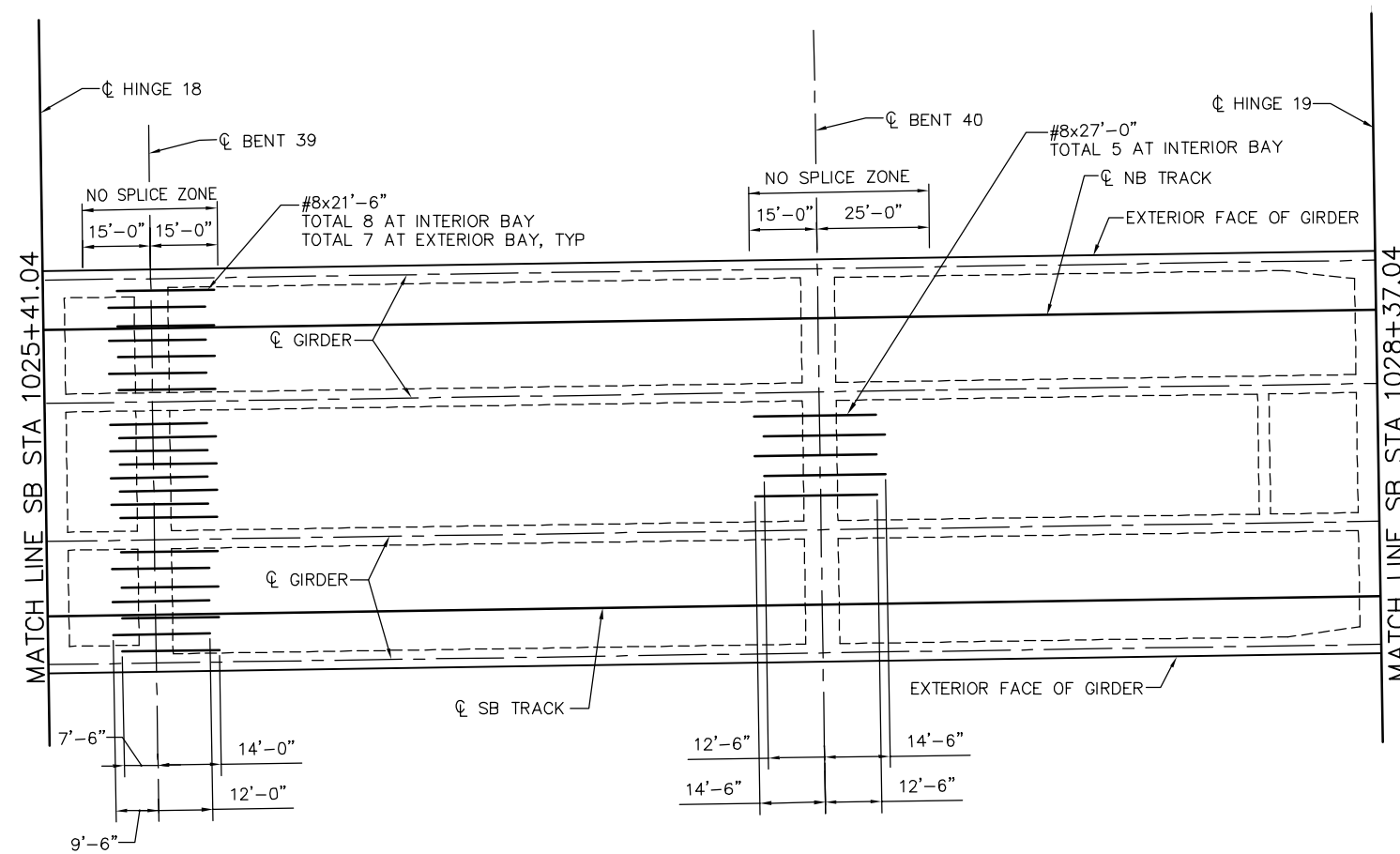
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SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 18

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR364
REVISION	B



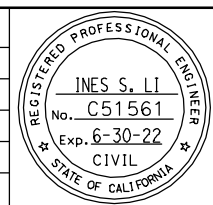
NOTE:
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 ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 19
 NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:49am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR365.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR365.dwg



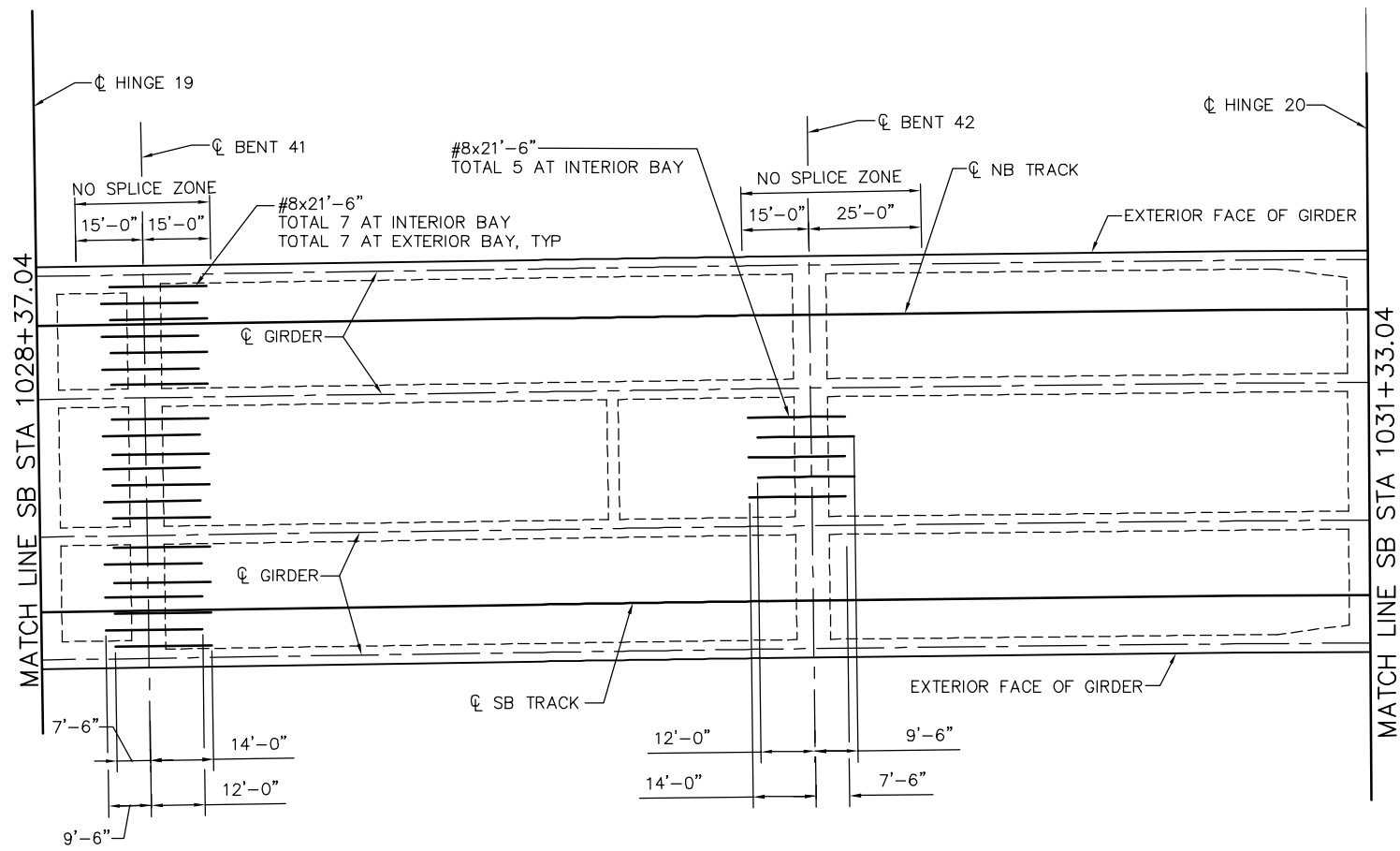
APPROVED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 19

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR365
REVISION	B



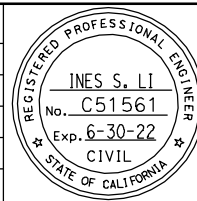
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 20
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:50am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR366.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315
BCA

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR366.dwg



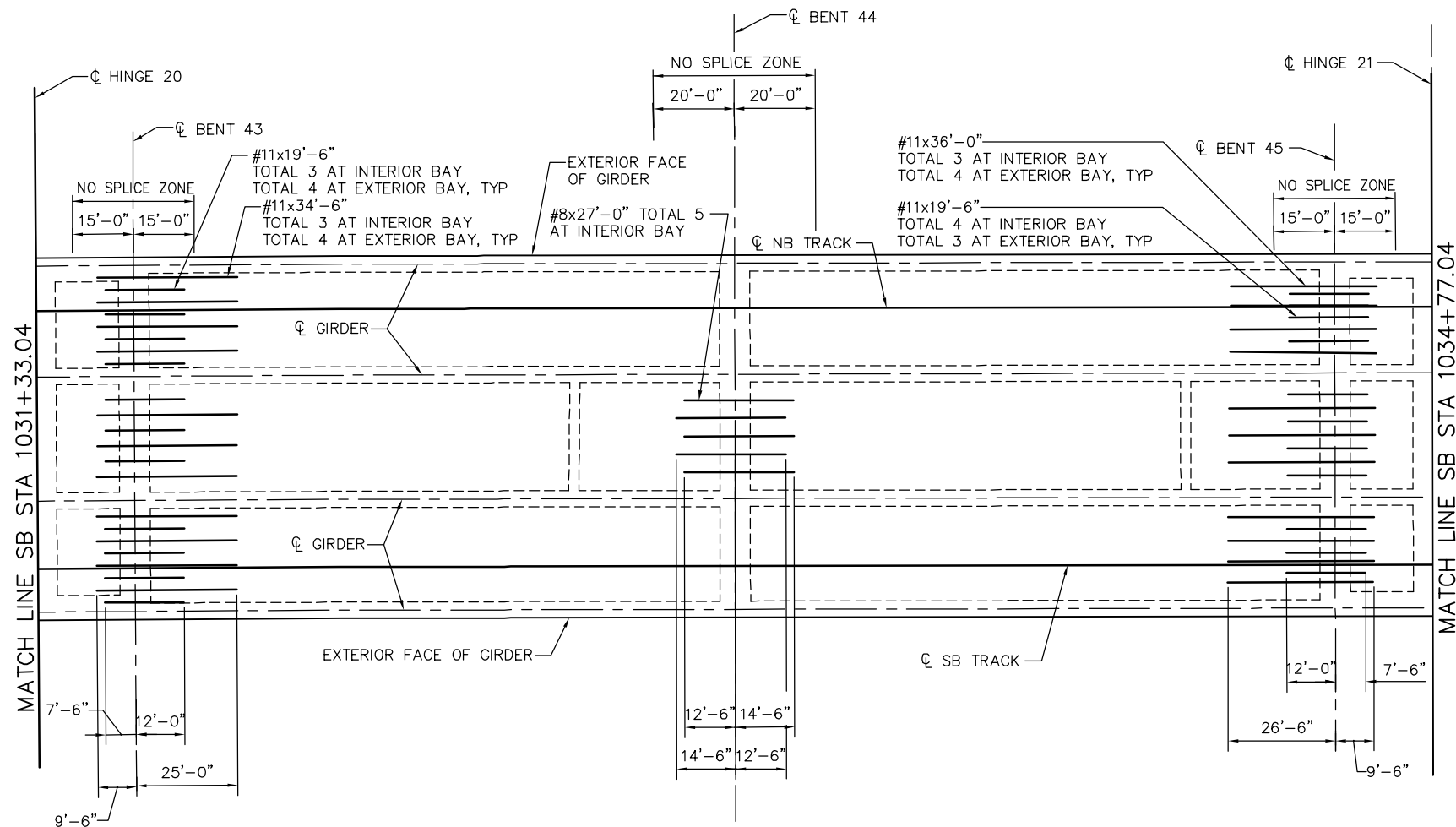
APPROVED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 20

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR366
REVISION	B



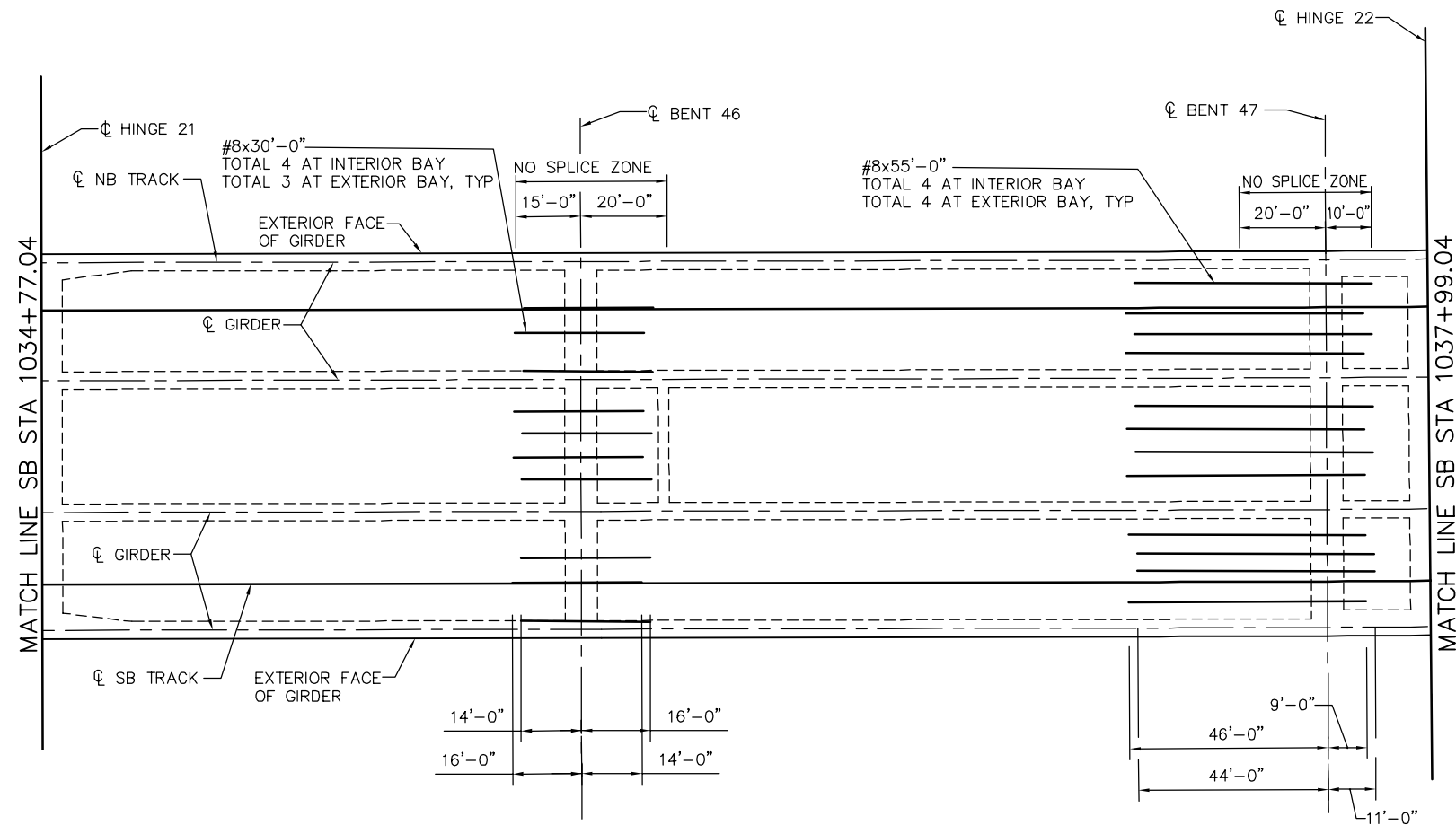
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 21
NO SCALE

SOFFIT REINFORCEMENT NOTES:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1"
FOR ADDITIONAL SOFFIT REINFORCING NOTES.

SMH Jun 21, 2020 - 10:50am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR367.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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A	03/19	65% SUBMITTAL SET																							
NO.	DATE	REVISIONS																							
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE																							
SHEET OF	DRAWING NO. SR367																								
REVISION	B																								



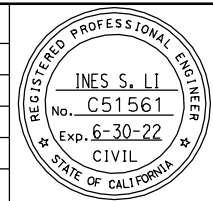
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 22
 NO SCALE

SMH Jun 21, 2020 - 10:50am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR368.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR368.dwg



APPROVED

BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

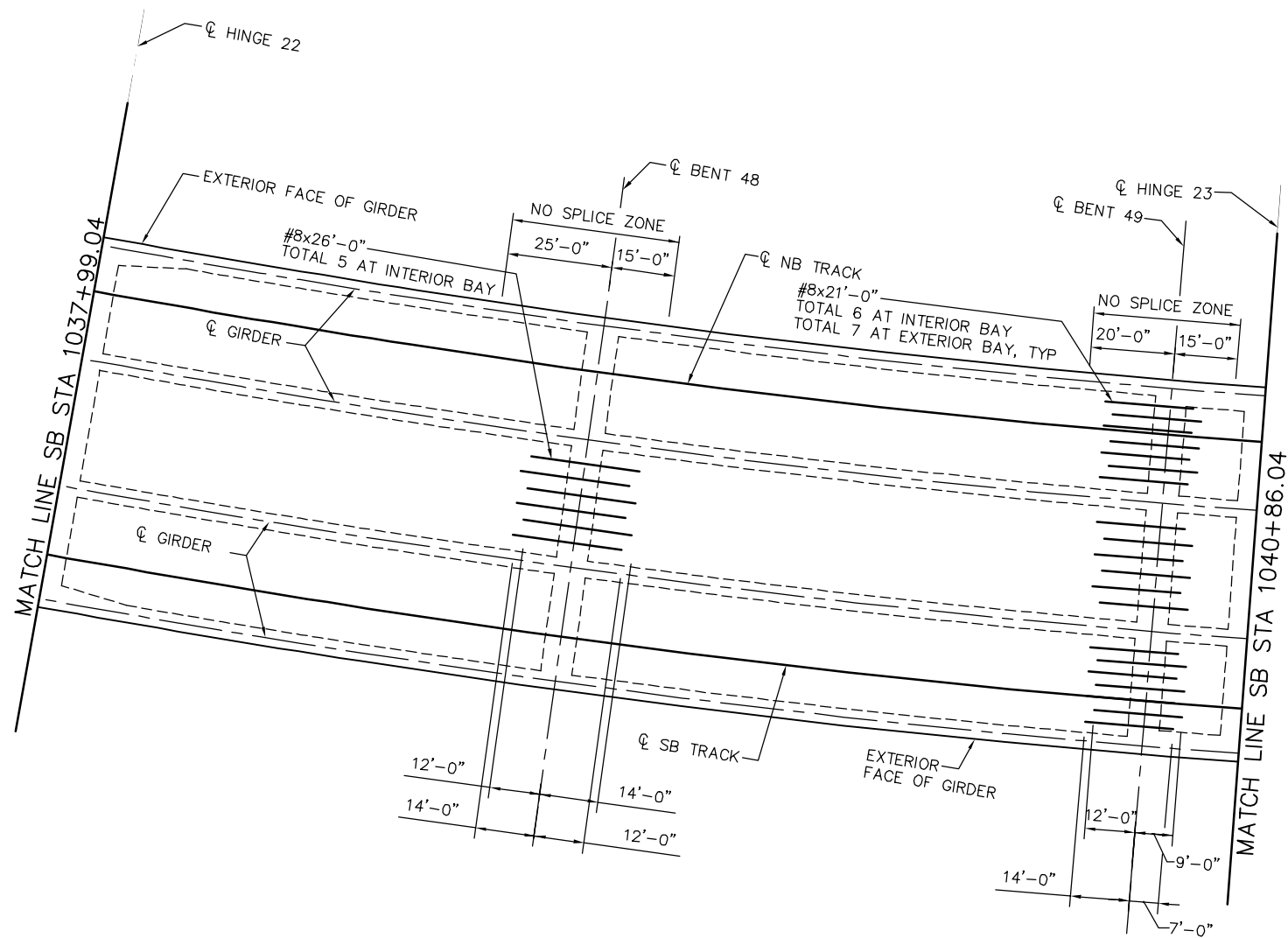
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 22

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR368
REVISION	B



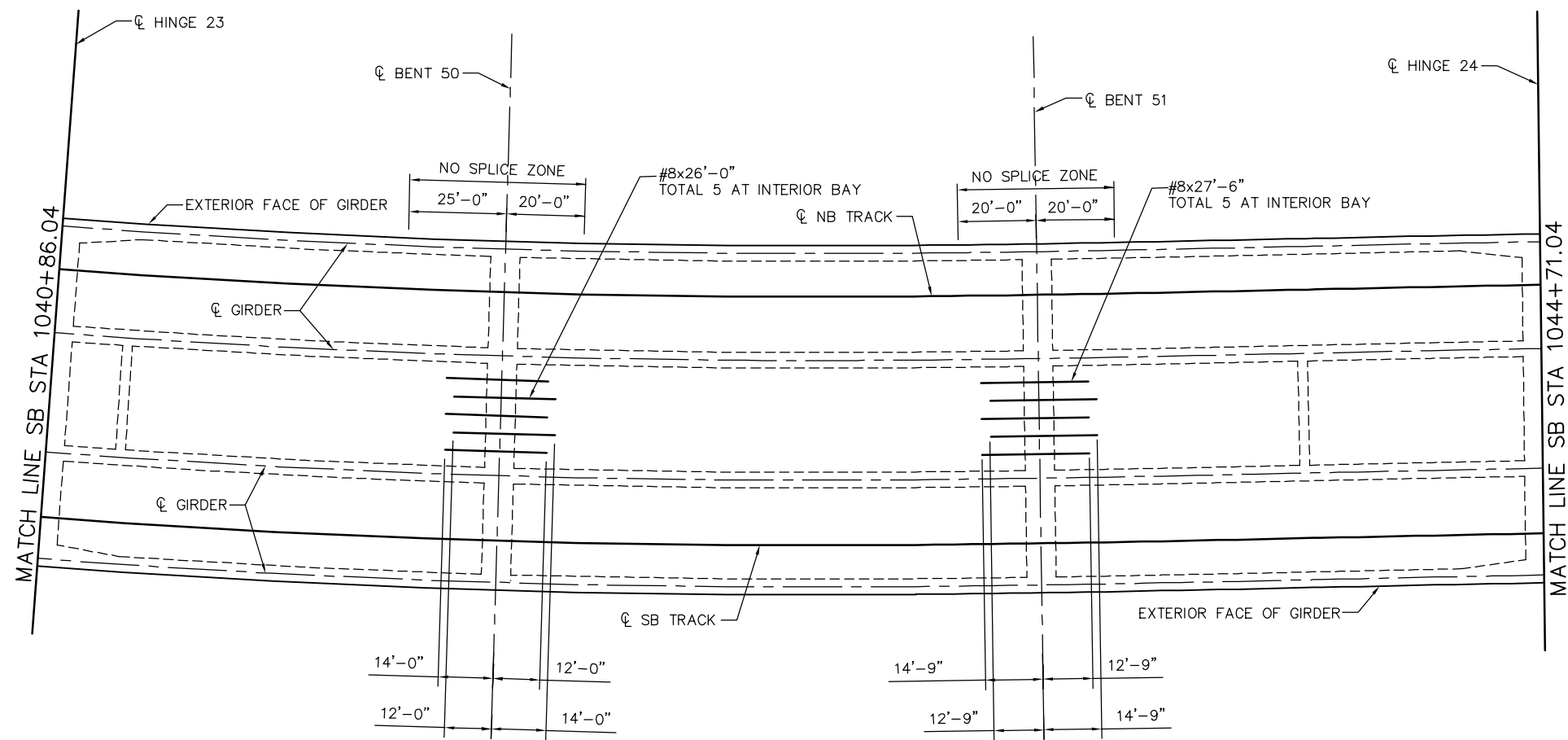
NOTE:
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ADDITIONAL SOFFIT REINFORCEMENT - FRAME 23
 NO SCALE

SMH Jun 21, 2020 - 10:51am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR369.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS															
B	06/20	95% SUBMITTAL SET															
A	06/18	35% SUBMITTAL SET															
<p>DESIGNED: D. CHAN</p> <p>CHECKED: D. DEVLIN</p> <p>DRAWN: S. HICKEY</p> <p>CADD FILENAME: 801SR369.dwg</p>		<p>CADD FILE DATE: 05/18/20</p> <p>SUBMITTAL DATE: 06/29/20</p>	<p>SCALE: NTS</p> <p>BOARD APPROVAL DATE:</p>	<p>PCA NO. 000</p> <p>CONTRACT NO. C801</p> <p>FILE LOCATION: PROJECTWISE</p>													



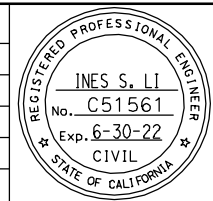
NOTE:
SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1"
FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 24
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:51am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR370.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR370.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

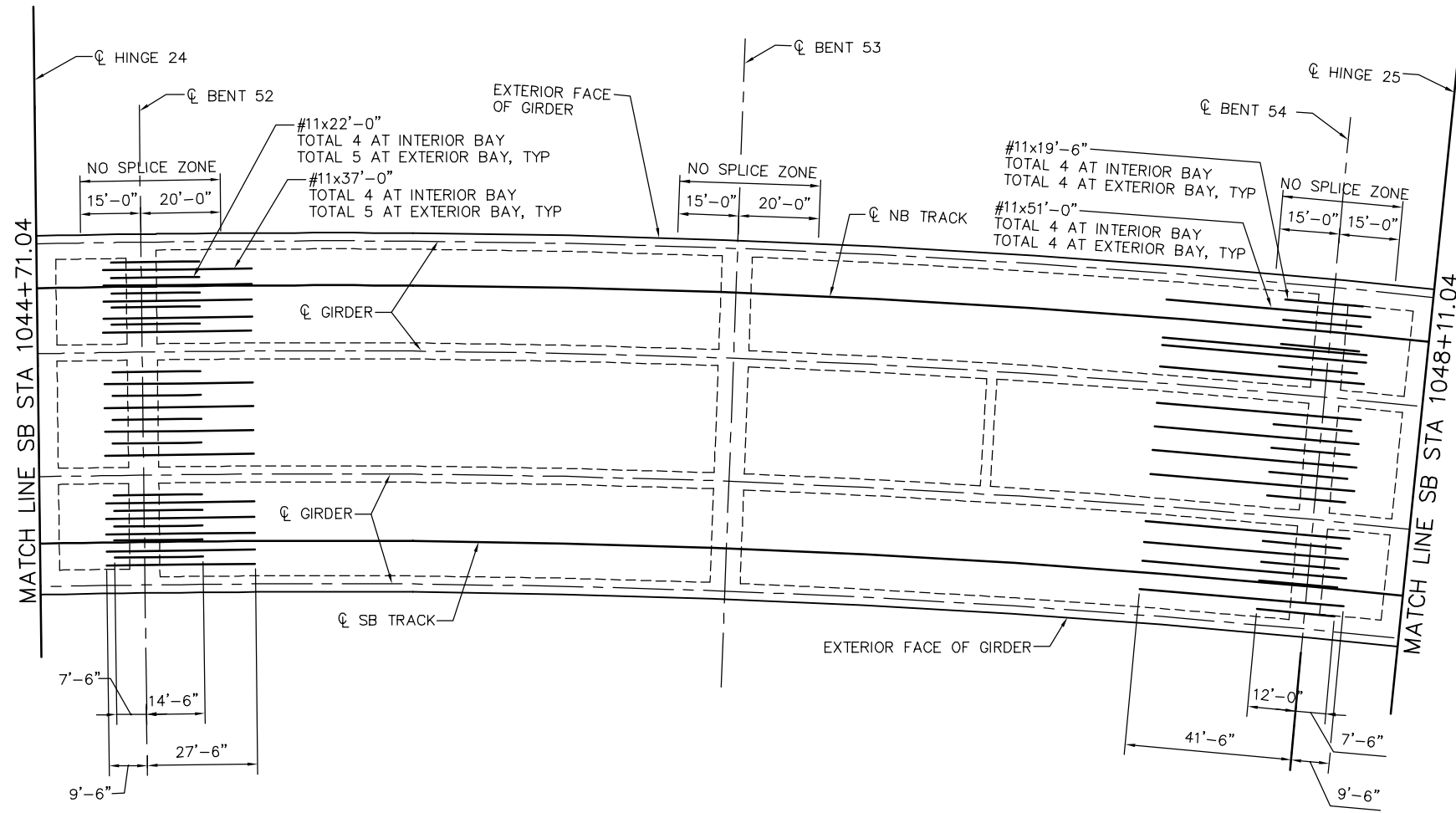
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 24

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR370
REVISION	B



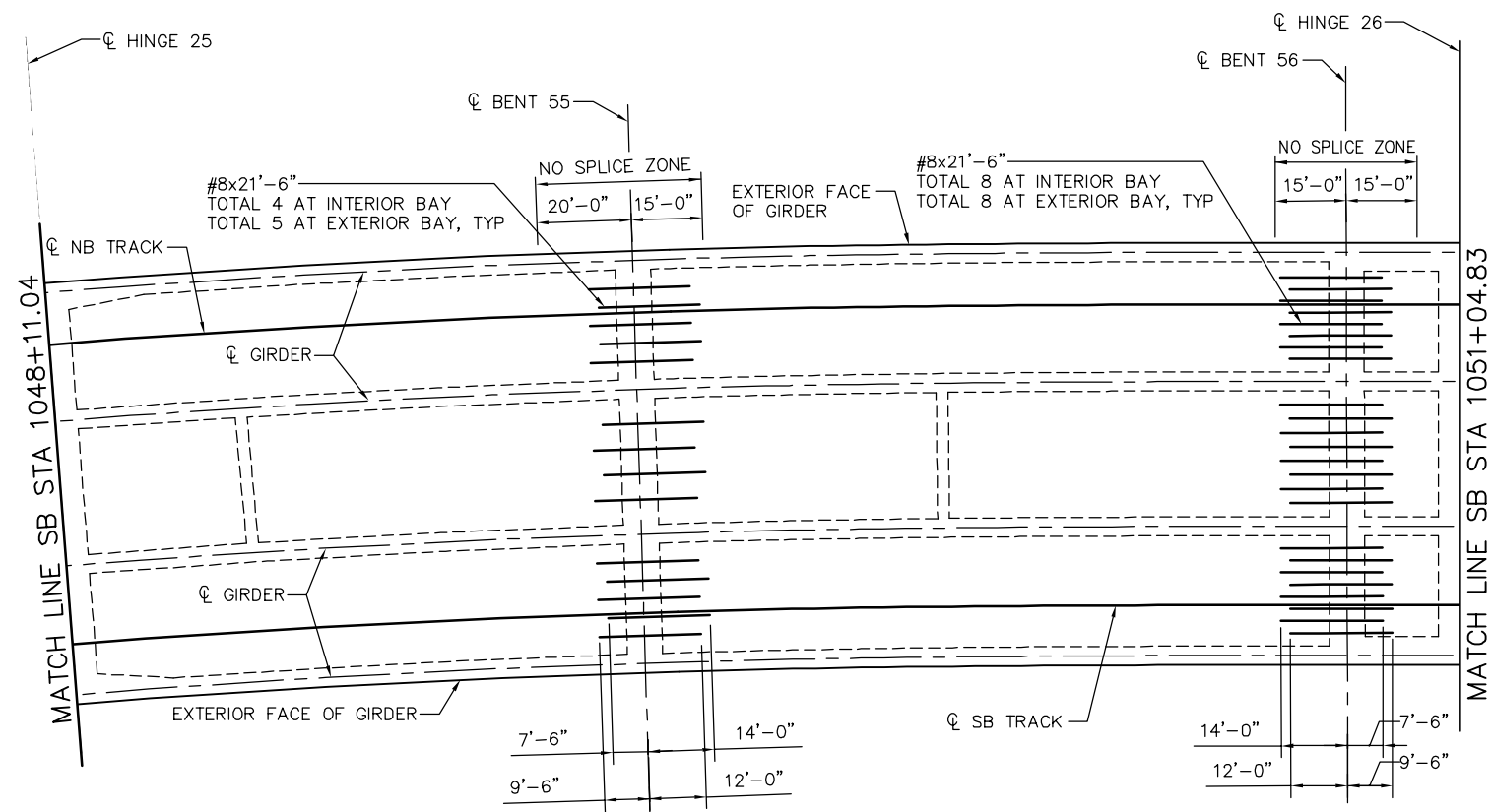
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ADDITIONAL SOFFIT REINFORCEMENT - FRAME 25
 NO SCALE

SMH Jun 21, 2020 - 10:52am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR371.dwg

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NO.	DATE	REVISIONS																	
B	06/20	95% SUBMITTAL SET																	
A	03/19	65% SUBMITTAL SET																	
<p>DESIGNED: D. CHAN</p> <p>CHECKED: D. DEVLIN</p> <p>DRAWN: S. HICKEY</p> <p>CADD FILENAME: 801SR371.dwg</p>		<p>CADD FILE DATE: 05/18/20</p> <p>SUBMITTAL DATE: 06/29/20</p>	<p>SCALE: NTS</p> <p>BOARD APPROVAL DATE:</p>	<p>PCA NO. 000</p> <p>CONTRACT NO. C801</p> <p>FILE LOCATION: PROJECTWISE</p>															



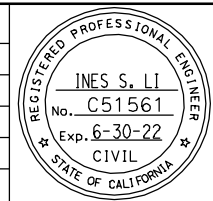
- NOTE:
- SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 26
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:52am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR372.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR372.dwg



APPROVED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

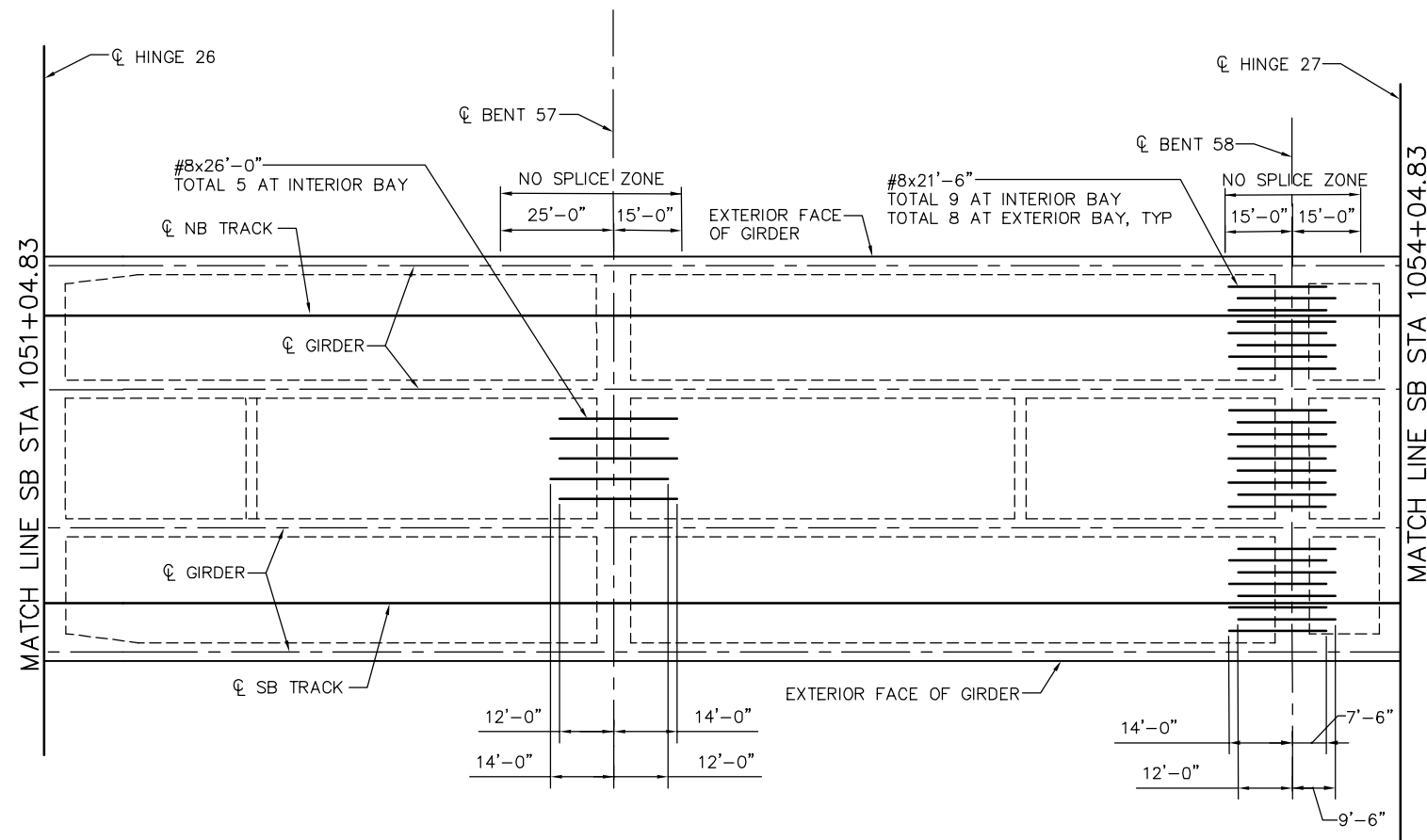
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 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 26

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR372
REVISION	B



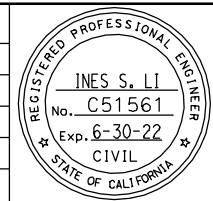
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 27
 NO SCALE

SMH Jun 21, 2020 - 10:52am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR373.dwg

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR373.dwg



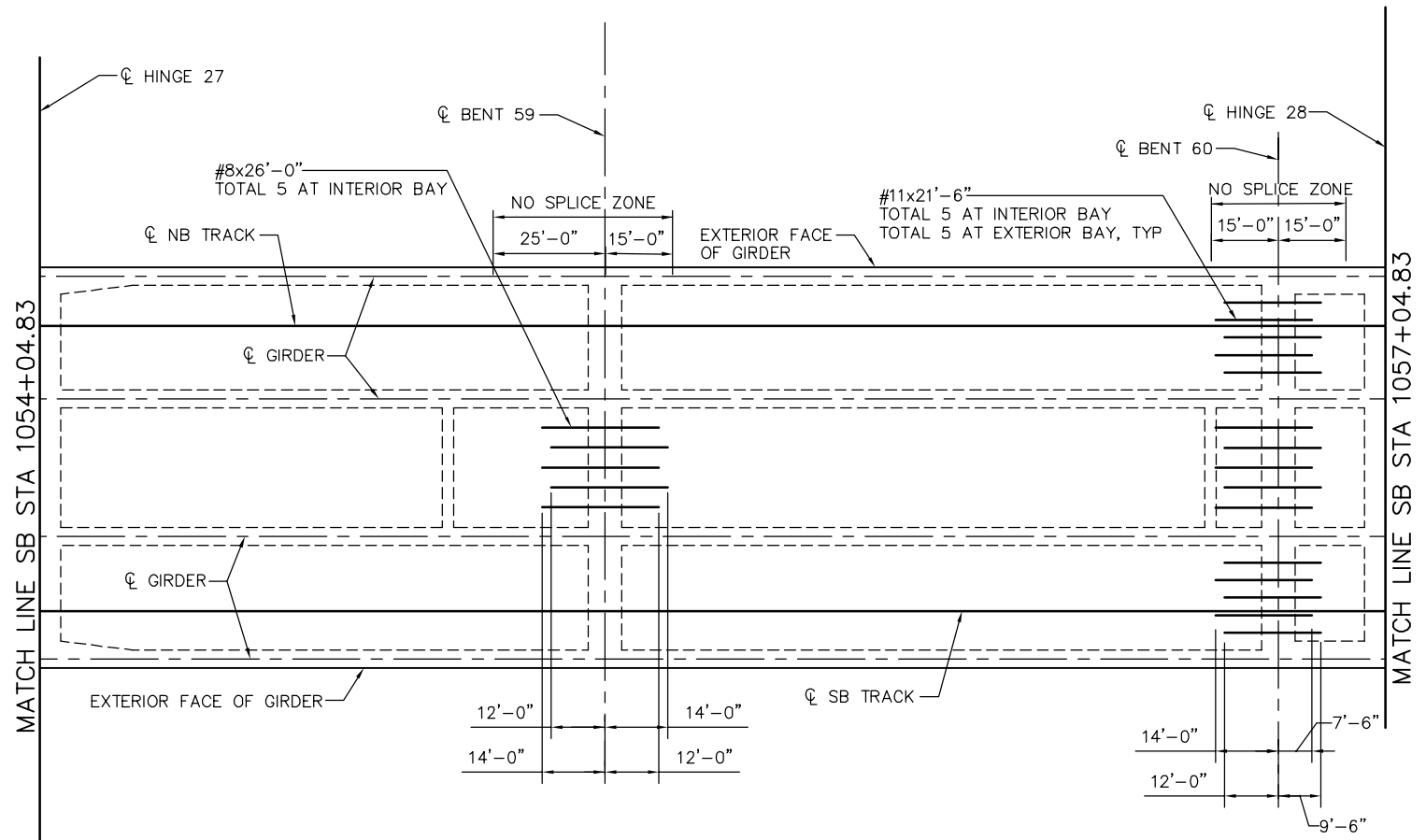
APPROVED
BKF 100+
 YEARS
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CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 27

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR373
REVISION	B



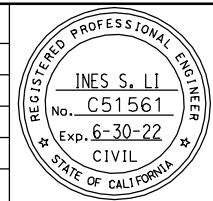
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 28
 NO SCALE

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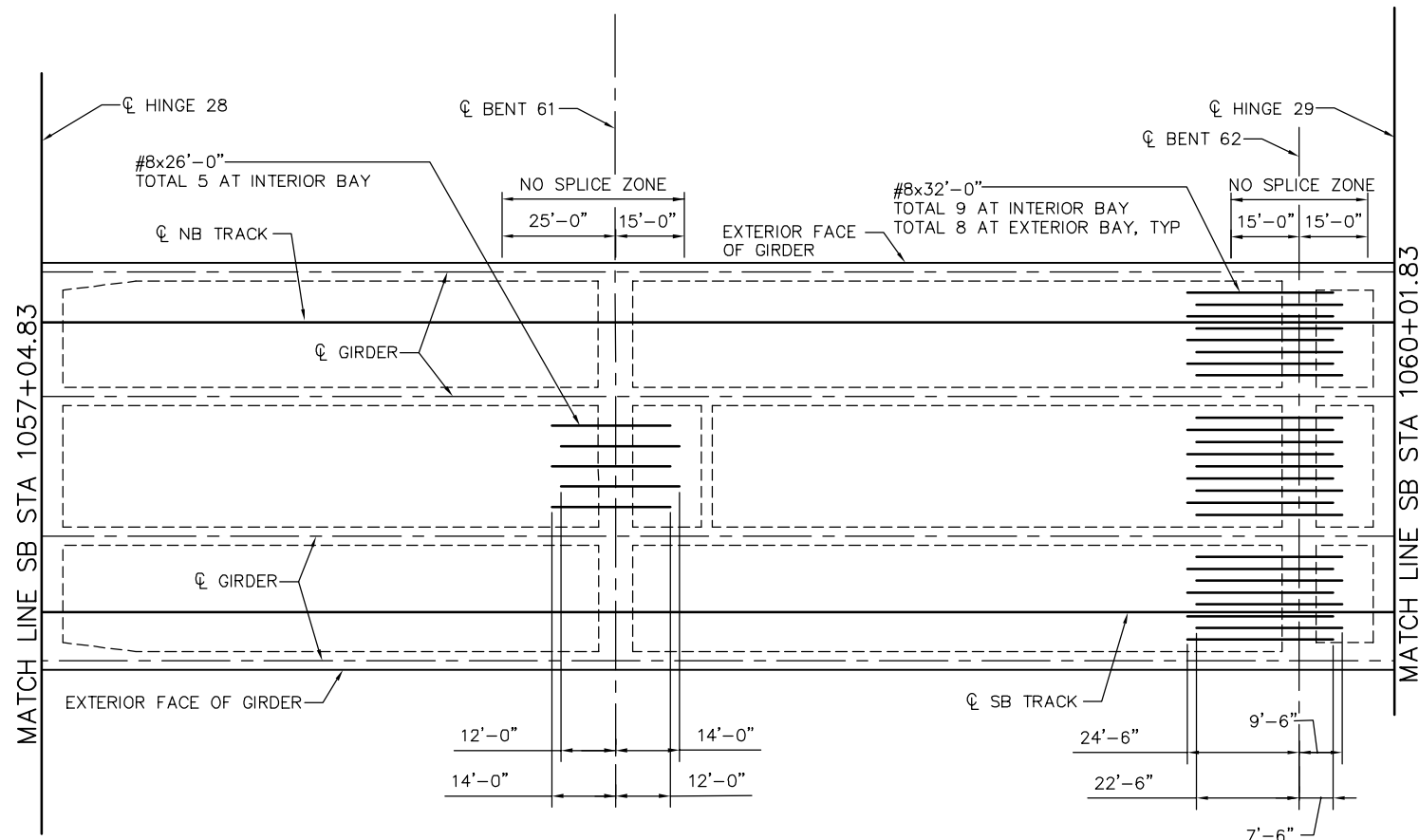
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 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 28

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR374
REVISION	B



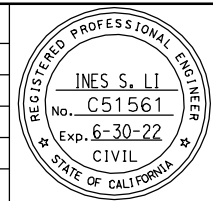
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 29
 NO SCALE

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PLAN CHECK SET/NOT FOR CONSTRUCTION

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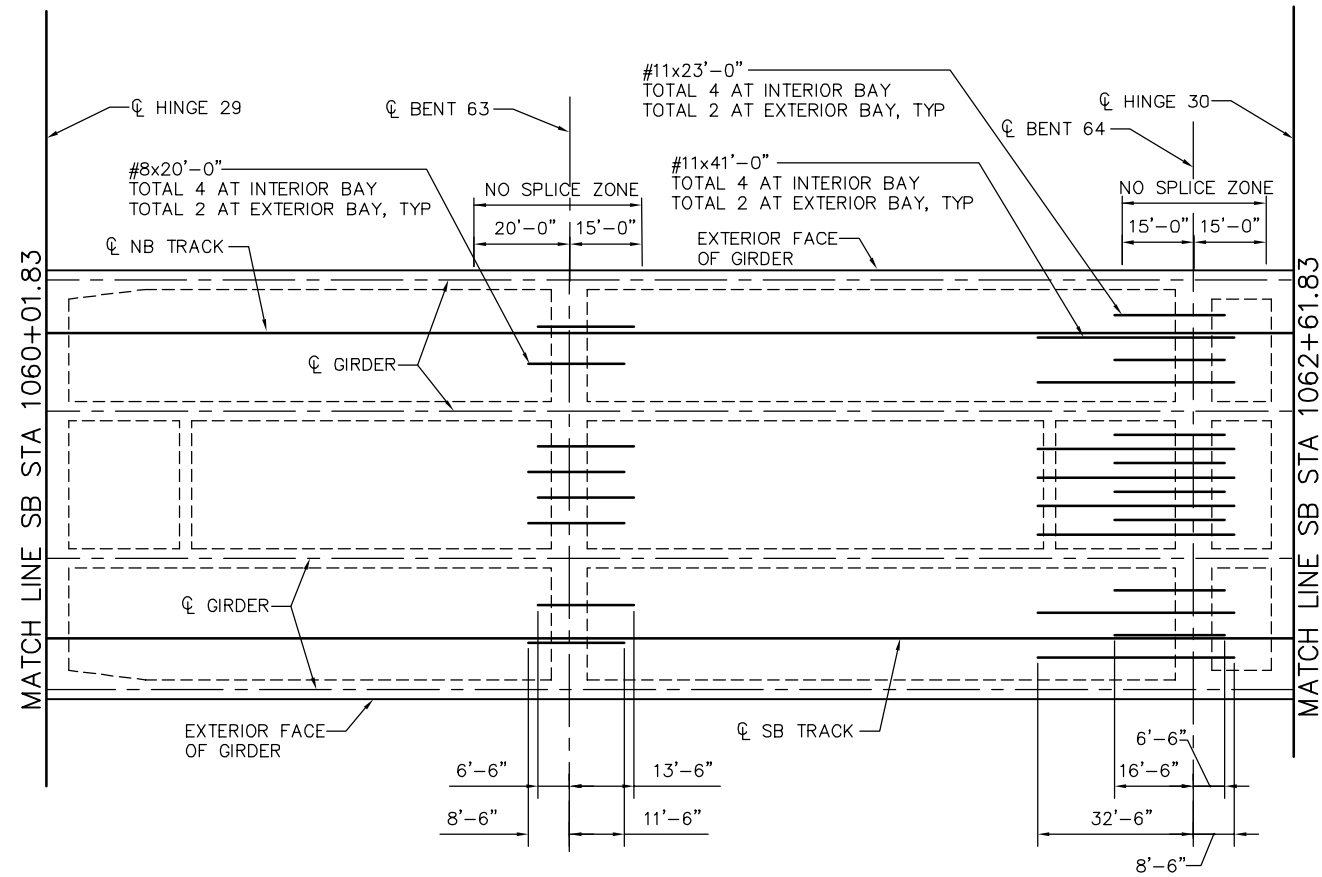
SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315
 DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
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Santa Clara Valley
 Transportation
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 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 29
 PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR375
REVISION	B



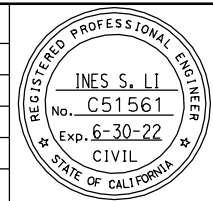
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 30
 NO SCALE

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 San Jose, California 95128
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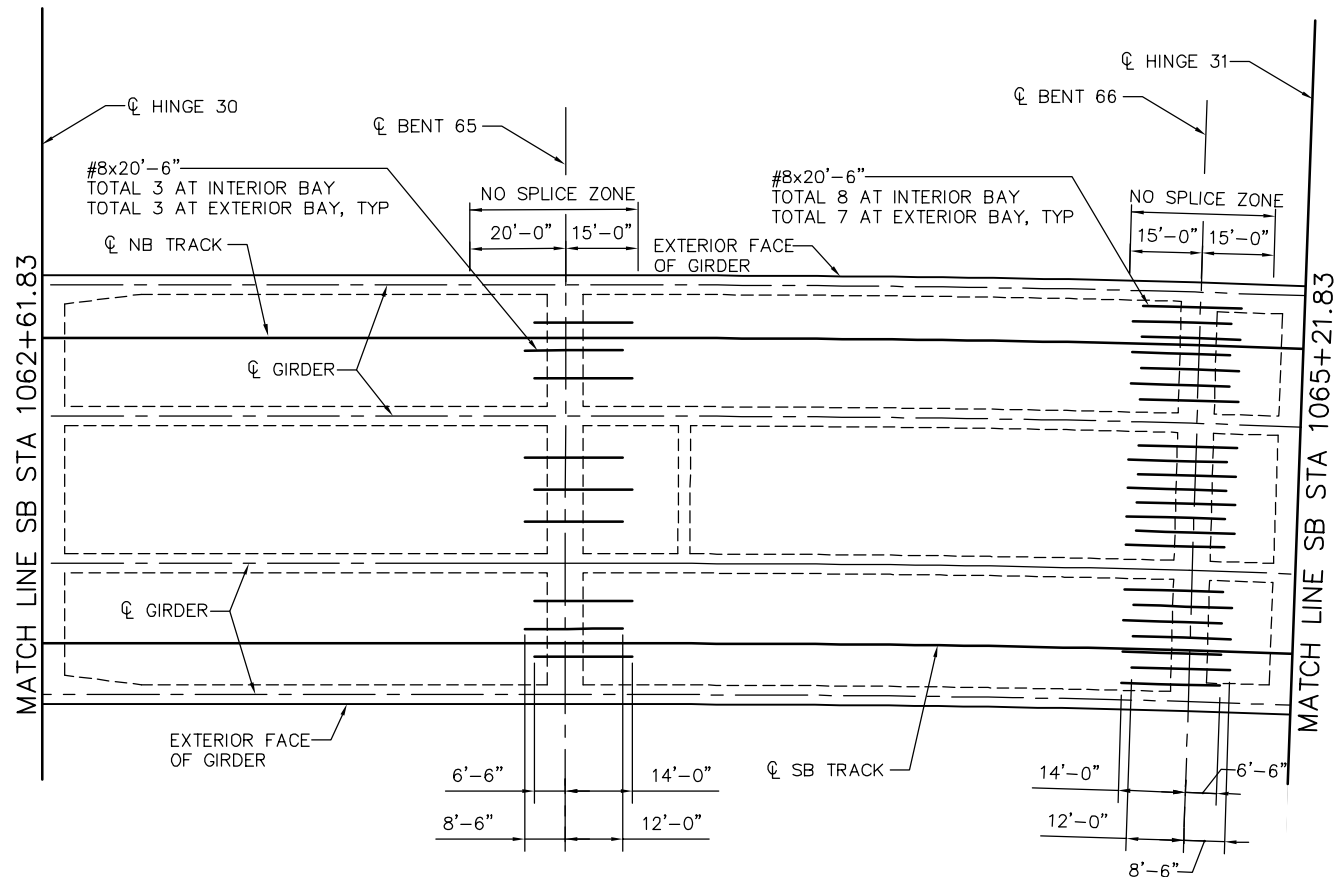
APPROVED

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 30

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR376
REVISION	B



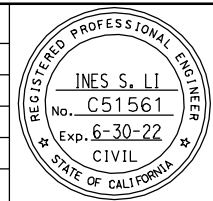
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 31
 NO SCALE

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 DRAWN: S. HICKEY
 CADD FILENAME: 801SR377.dwg



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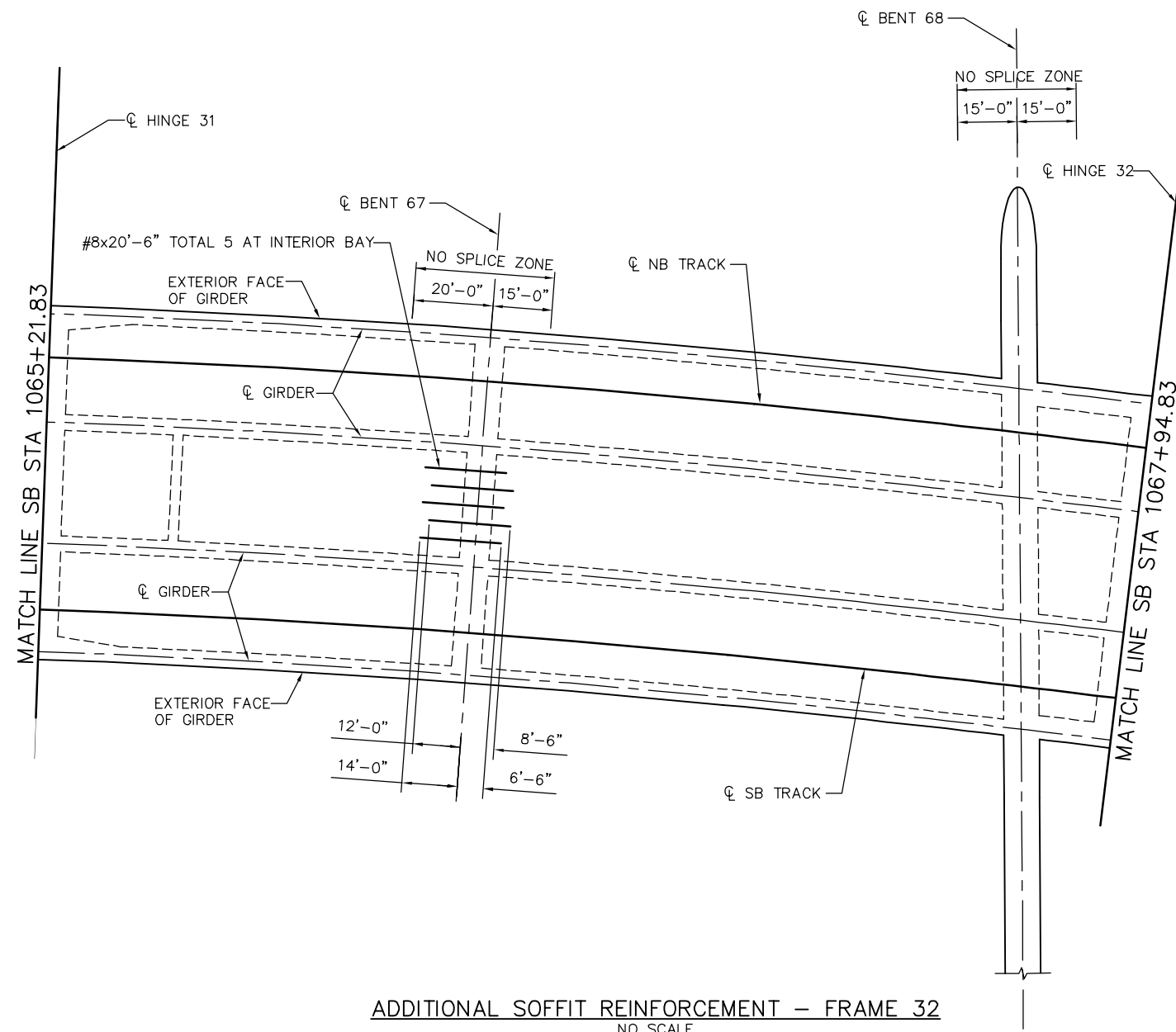
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 31

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR377
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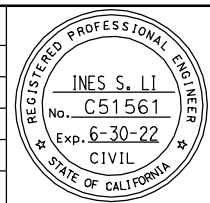
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 32
NO SCALE

NOTE:
1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

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CHECKED: D. DEVLIN
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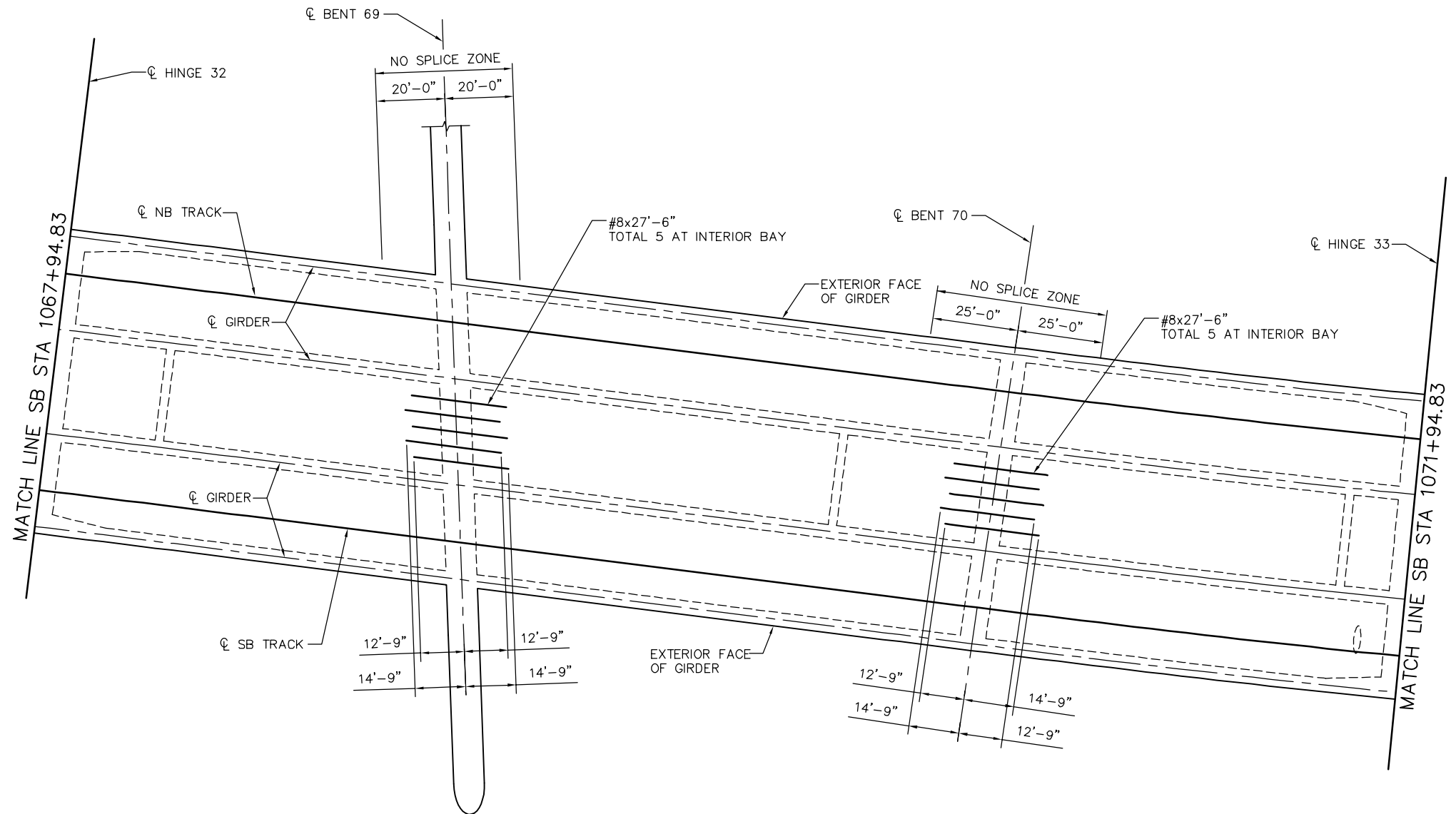
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 32

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR378
REVISION	B



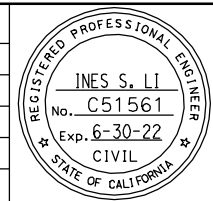
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 33
 NO SCALE

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 865 The Alameda
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 DRAWN: S. HICKEY
 CADD FILENAME: 801SR379.dwg



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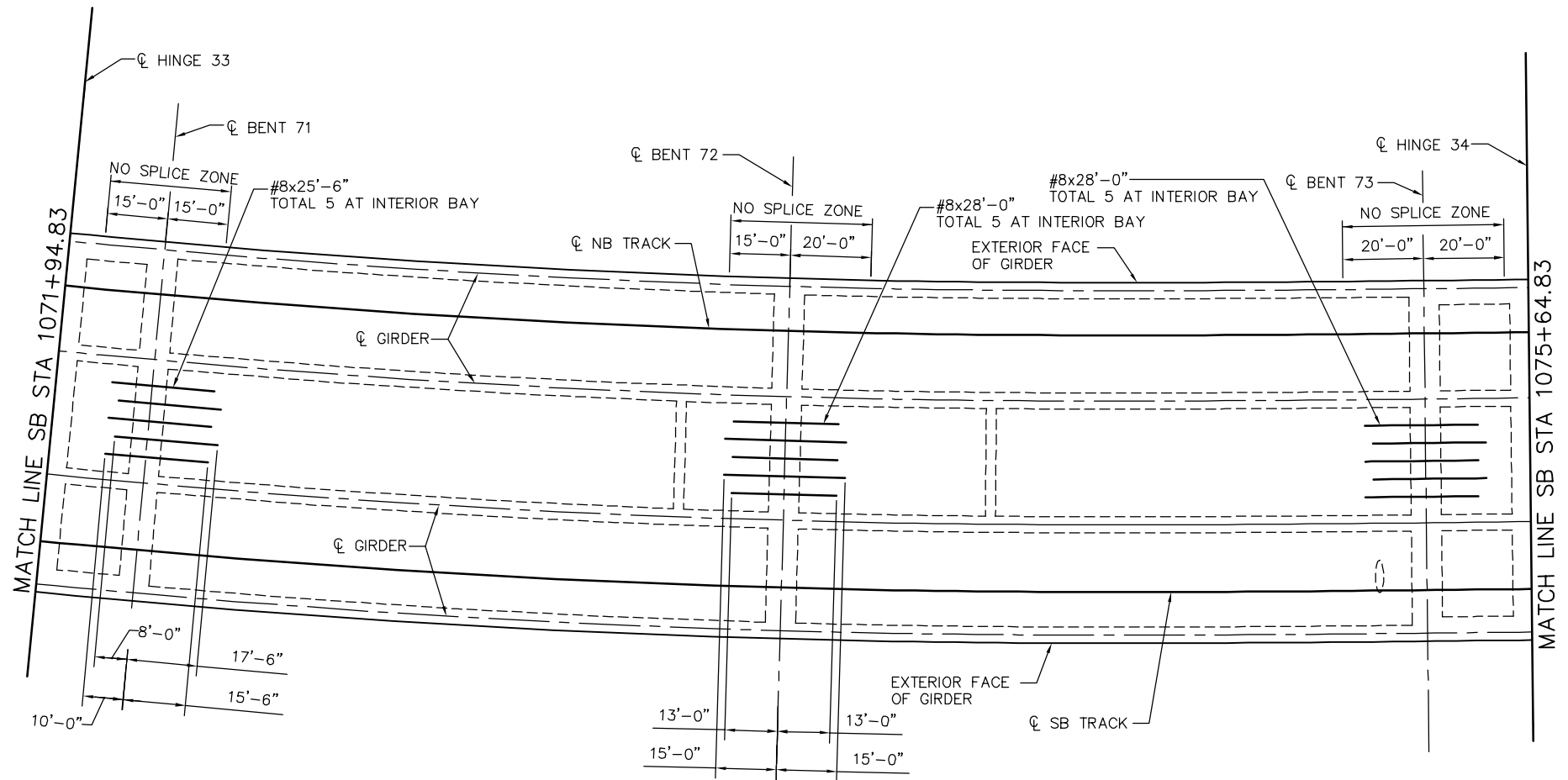
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL SOFFIT REINFORCEMENT - FRAME 33

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR379
REVISION	B



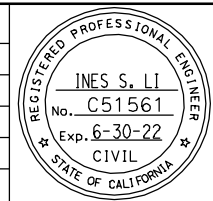
NOTE:
 1. SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 34
 NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

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BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR380.dwg

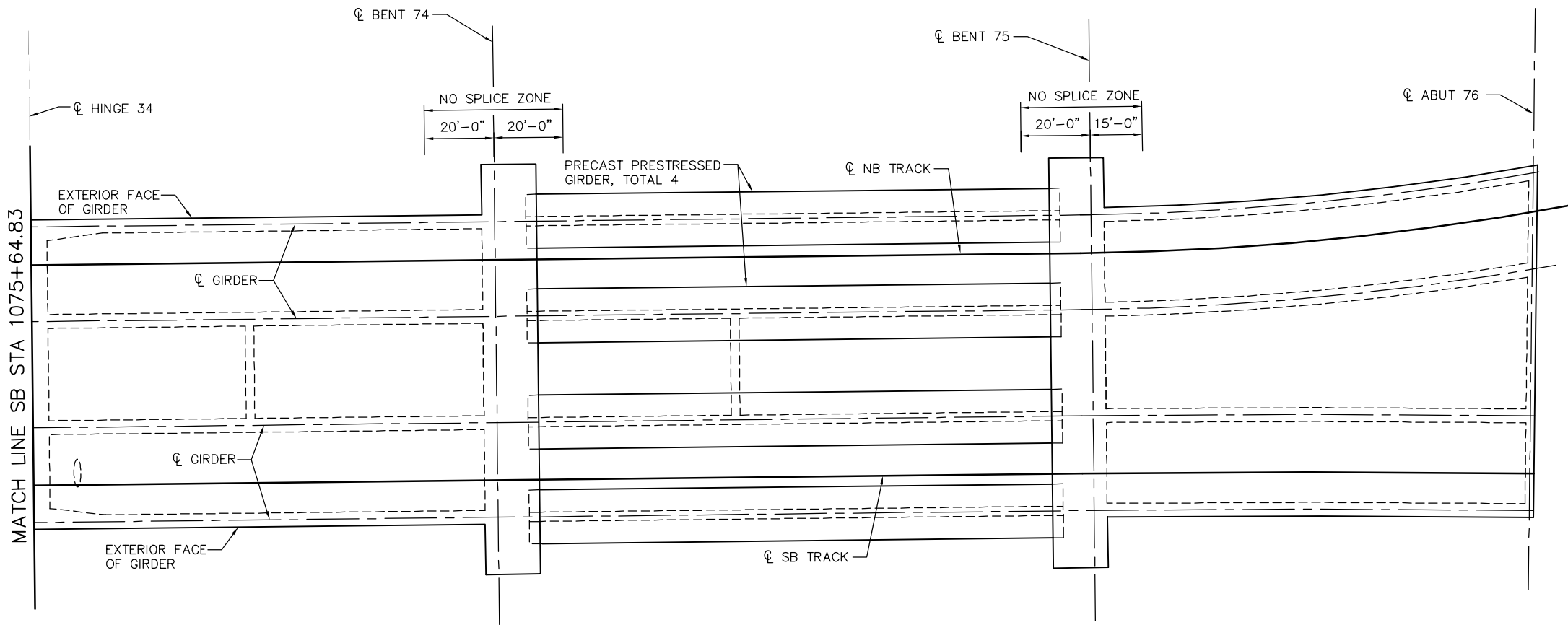
Santa Clara Valley
 Transportation
 Authority

APPROVED

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL			SHEET OF
CAPITOL AERIAL GUIDEWAY ADDITIONAL SOFFIT REINFORCEMENT - FRAME 34			DRAWING NO. SR380
PCA NO. 000			REVISION B
CONTRACT NO. C801		FILE LOCATION PROJECTWISE	

MATCH LINE SB STA 1075+64.83



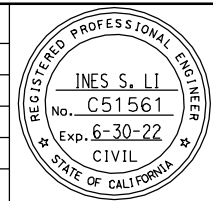
- NOTES:
- SEE "ADDITIONAL SOFFIT REINFORCEMENT - FRAME 1" FOR ADDITIONAL SOFFIT REINFORCING NOTES.
 - NO ADDITIONAL SOFFIT REINFORCING REQUIRED IN FRAME 35.

ADDITIONAL SOFFIT REINFORCEMENT - FRAME 35
NO SCALE

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NO.	DATE	REVISIONS
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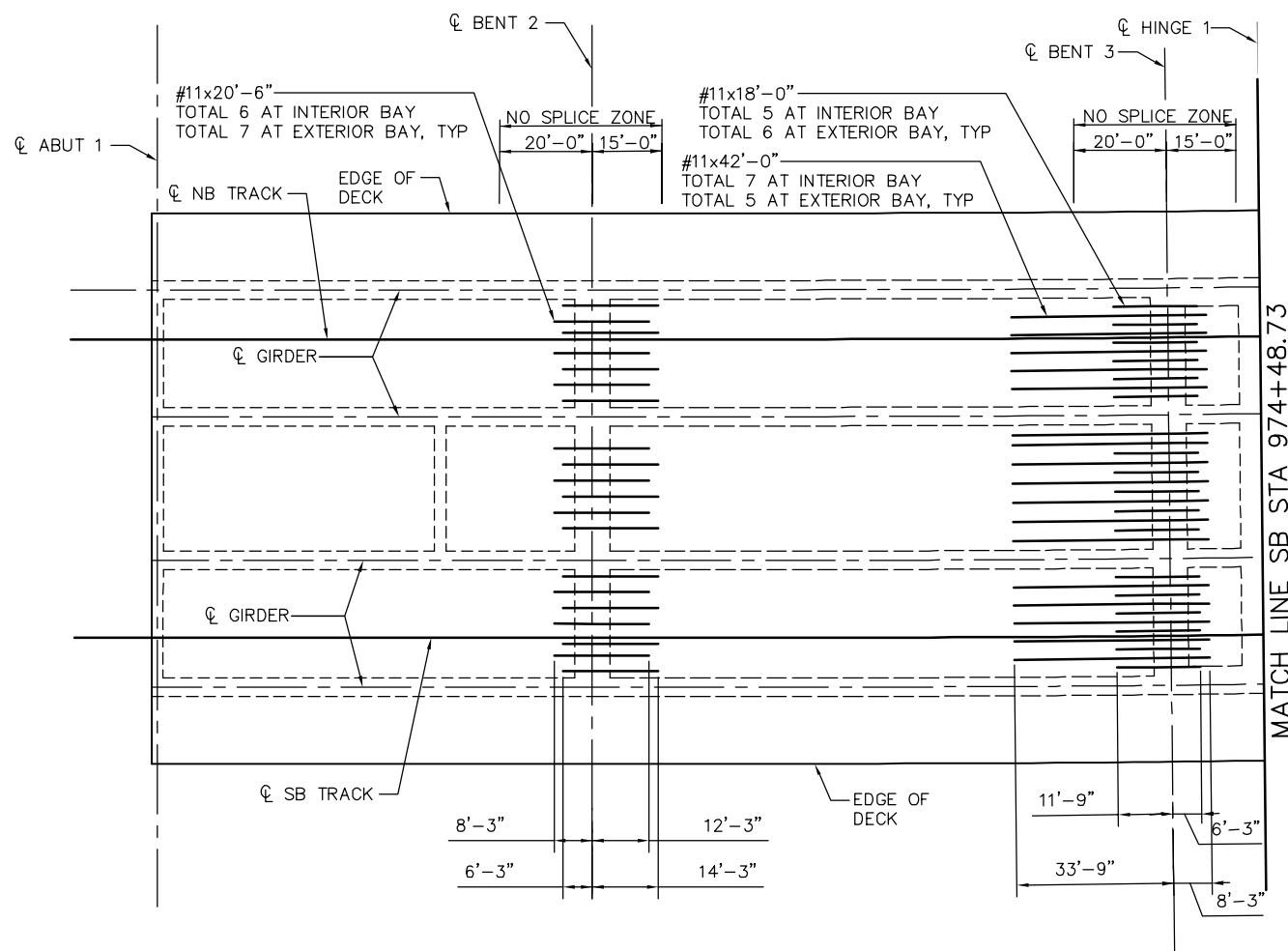
SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315	
DESIGNED D. CHAN	CHECKED D. DEVLIN
DRAWN S. HICKEY	CADD FILENAME 801SR381.dwg



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CADD FILE DATE 05/18/20	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL SOFFIT REINFORCEMENT - FRAME 35		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

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ADDITIONAL DECK REINFORCEMENT - FRAME 1
NO SCALE

DECK REINFORCING NOTES:

- FOR TRACK ALIGNMENT, SEE TG DWGS.
- SEE "TYPICAL SECTION" SHEETS FOR TYPICAL DECK REINFORCEMENT NOT SHOWN.
- NO SPLICES ALLOWED IN ADDITIONAL DECK REINFORCEMENT.
- SPACE ADDITIONAL DECK REINFORCEMENT APPROXIMATELY EQUAL WITHIN EACH BAY.
- DECK OPENINGS NOT SHOWN. ADJUST ADDITIONAL DECK REINFORCEMENT AROUND DECK OPENINGS AS NEEDED.
- LENGTH OF REINFORCEMENT MEASURED ALONG ϕ STRUCTURE.
- SPLICES FOR CONTINUOUS DECK REINFORCEMENT IDENTIFIED BY * ON "TYPICAL SECTION" SHEETS MUST BE LOCATED OUTSIDE THE NO SPLICE ZONES INDICATED.
- FOR DECK DRAIN CONFLICTS WITH DECK REINFORCING:
 - FOR LONGITUDINAL DECK REINFORCING #5 AND SMALLER, CUT REINFORCING AT DECK DRAIN CONFLICTS, AND PLACE 1/2 OF DISCONTINUED BARS ON EACH SIDE OF DECK DRAIN AND EXTEND 4'-0" BEYOND DECK DRAIN.
 - RELOCATE LONGITUDINAL REINFORCING BARS #6 AND LARGER AT DECK DRAIN CONFLICTS AND PLACE THEM ADJACENT TO DECK DRAIN.
 - FOR TRANSVERSE DECK REINFORCING CUT REINFORCING AT DECK DRAIN CONFLICTS, AND PLACE 1/2 OF DISCONTINUED BARS ON EACH SIDE OF DECK DRAIN AND EXTEND 3'-0" PAST DECK DRAIN OPENING HOOKING BARS AT EDGE OF DECK IF APPLICABLE.
- DRAINAGE INLETS NOT SHOWN, SEE "DRAINAGE PLAN" AND "DRAINAGE DETAILS" SHEETS FOR DRAINAGE INLET LOCATIONS.

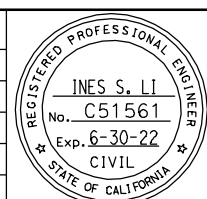
LEGEND:

$\text{---}\text{---}\text{---}$ INDICATES BUNDLED BARS

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR382.dwg

Santa Clara Valley
Transportation
Authority

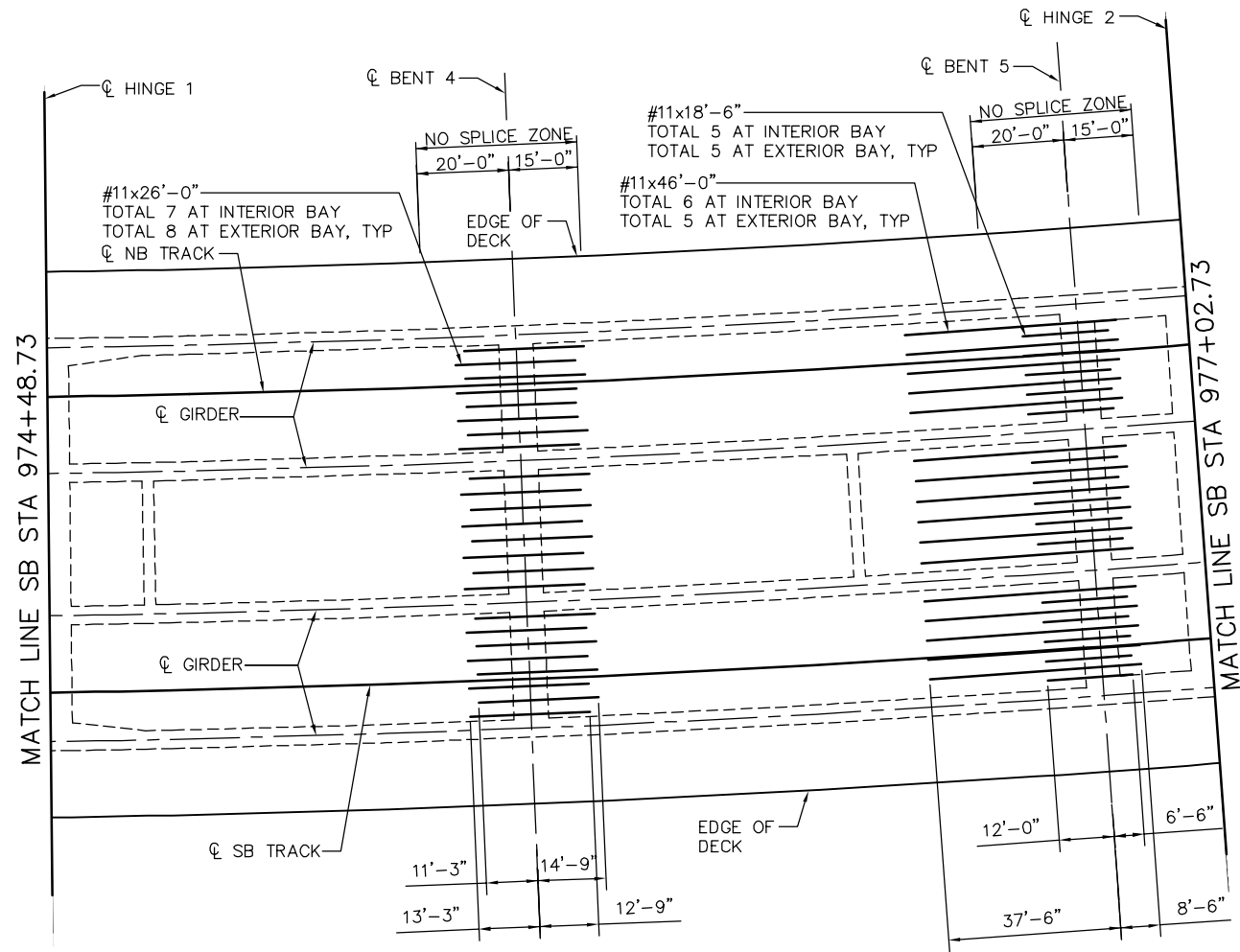
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR382 REVISION B



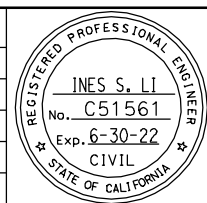
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 2
NO SCALE

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STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR383.dwg



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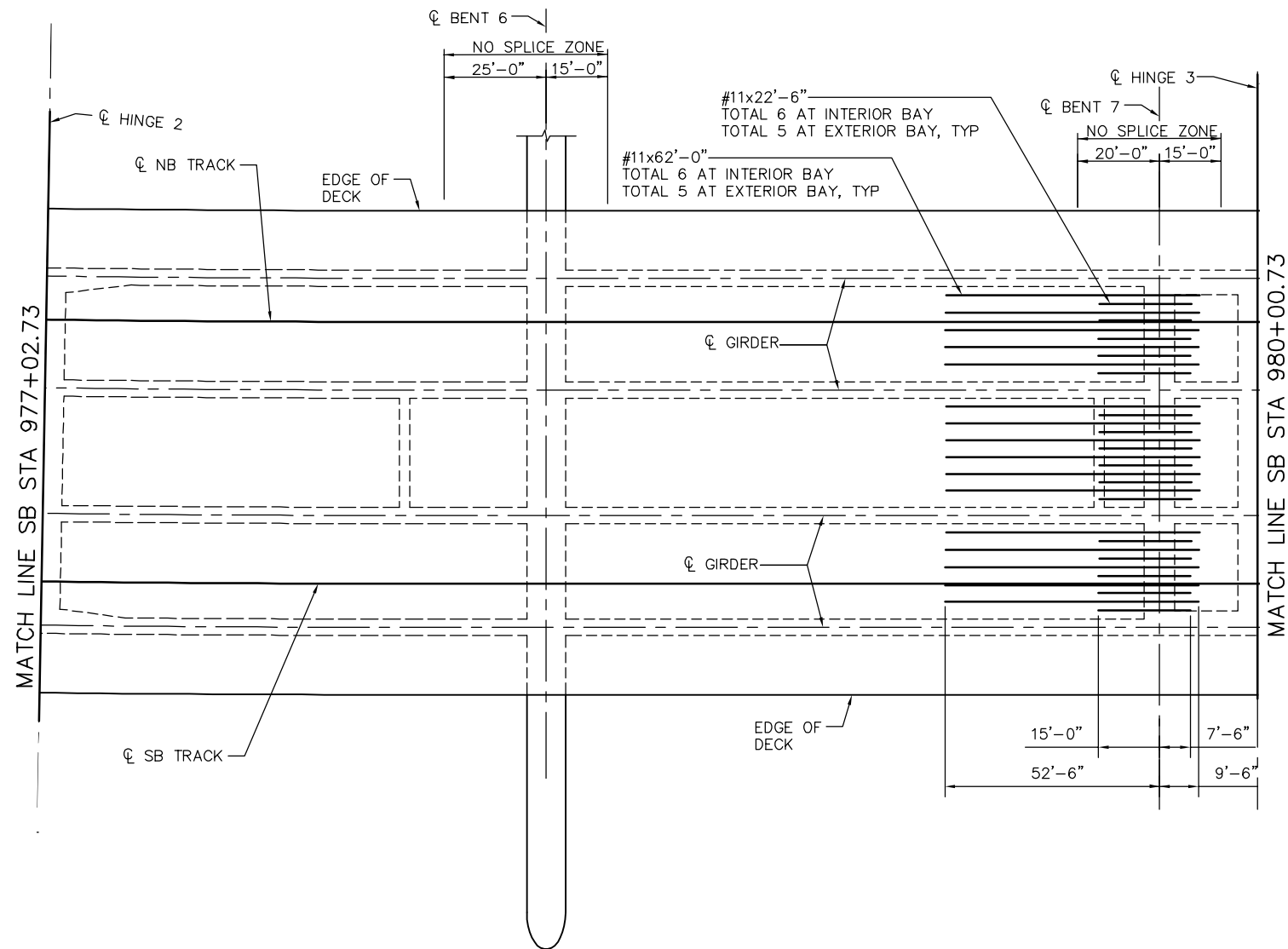
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR383
REVISION	B



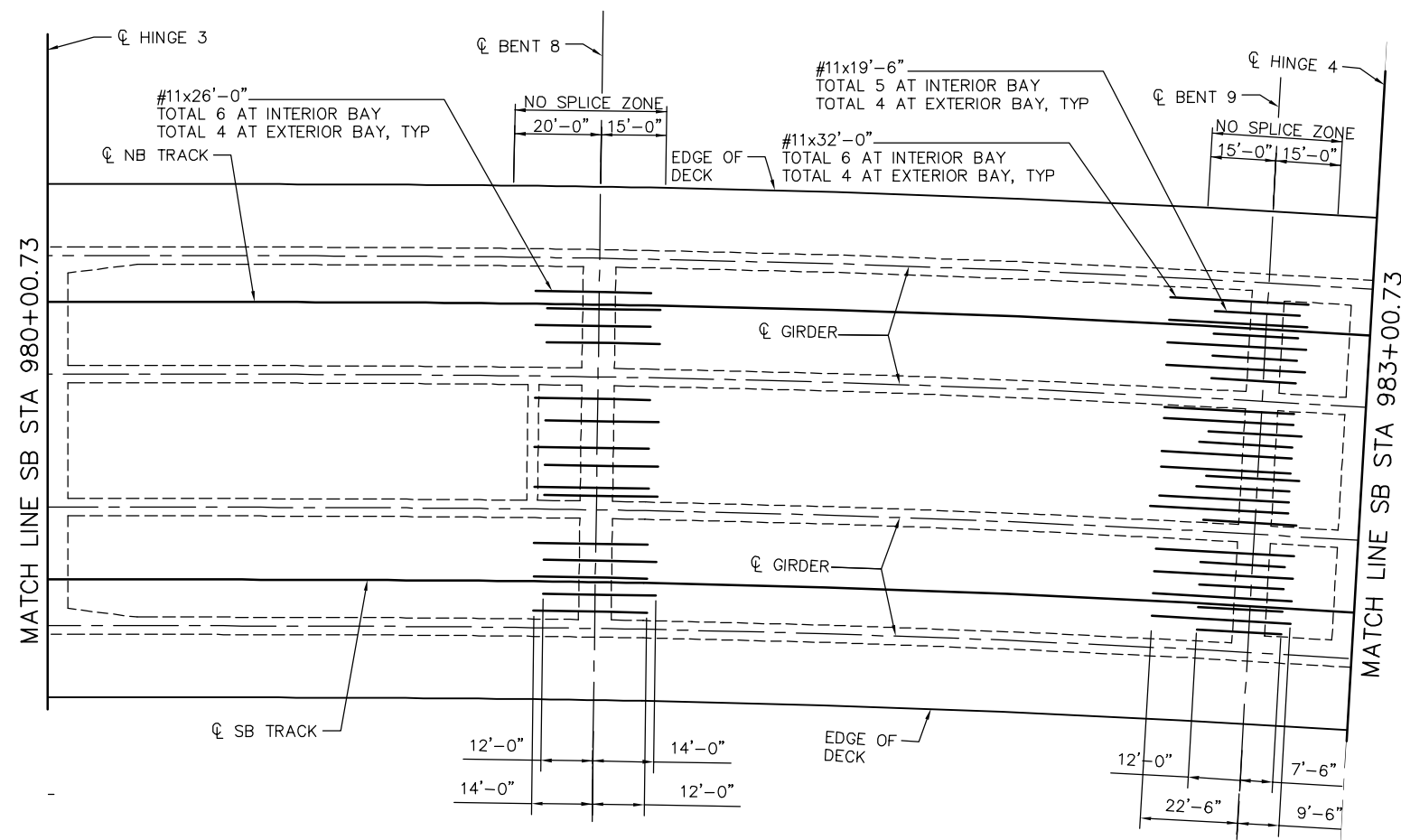
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 3
NO SCALE

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NO.	DATE	REVISIONS																		
B	06/20	95% SUBMITTAL SET																		
A	03/19	65% SUBMITTAL SET																		
			<p>DRAWING NO. SR384</p>	<p>REVISION B</p>	<p>PCA NO. 000</p>	<p>CONTRACT NO. C801</p>	<p>FILE LOCATION PROJECTWISE</p>													



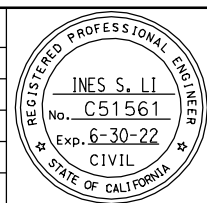
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 4
NO SCALE

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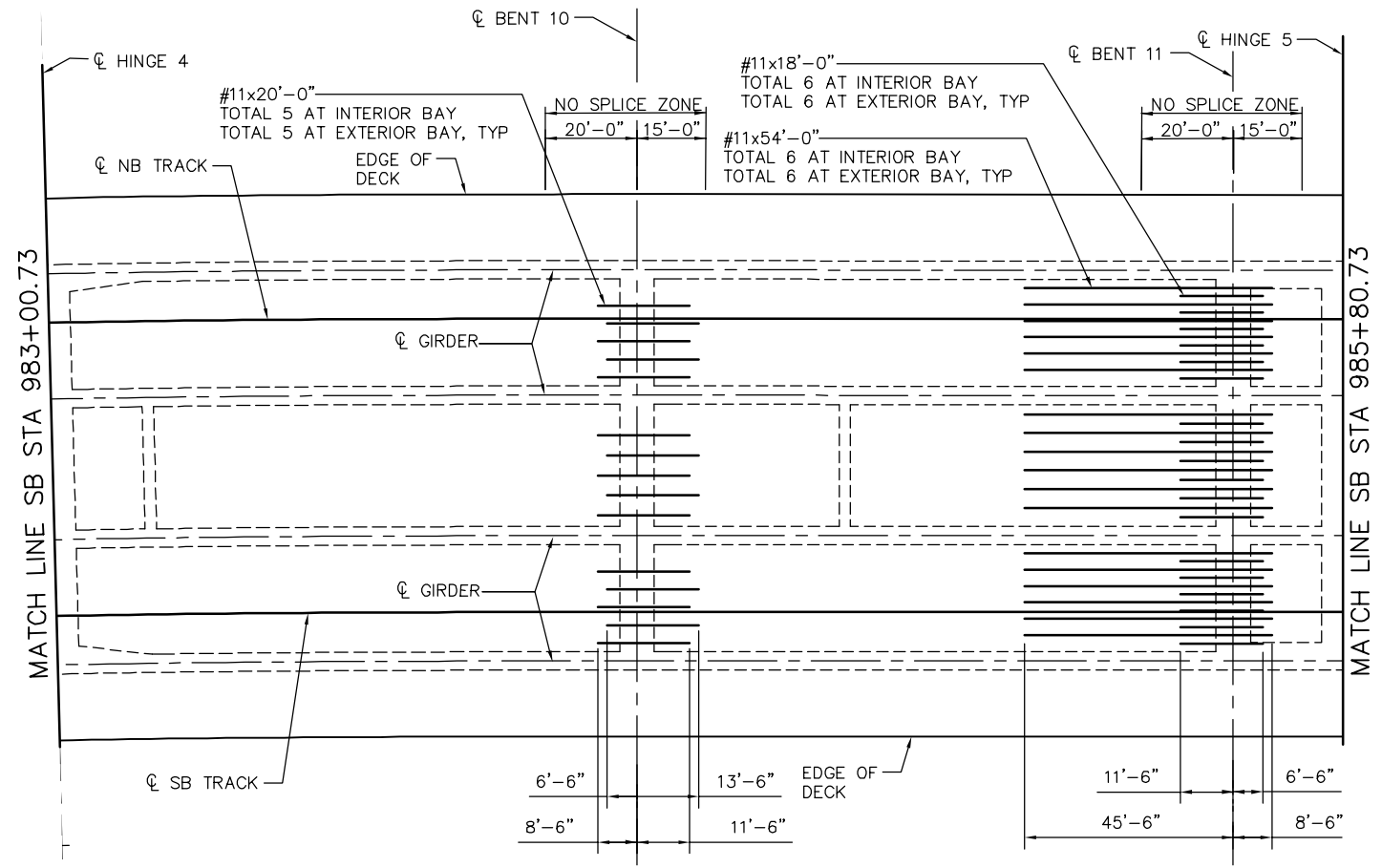
SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315	
DESIGNED D. CHAN	CHECKED D. DEVLIN
DRAWN S. HICKEY	CADD FILENAME 801SR385.dwg



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SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 4		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR385
REVISION	B



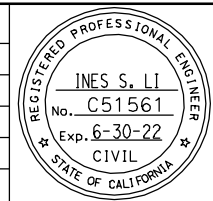
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 5
NO SCALE

SMH Jun 21, 2020 - 10:56am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR386.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR386.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

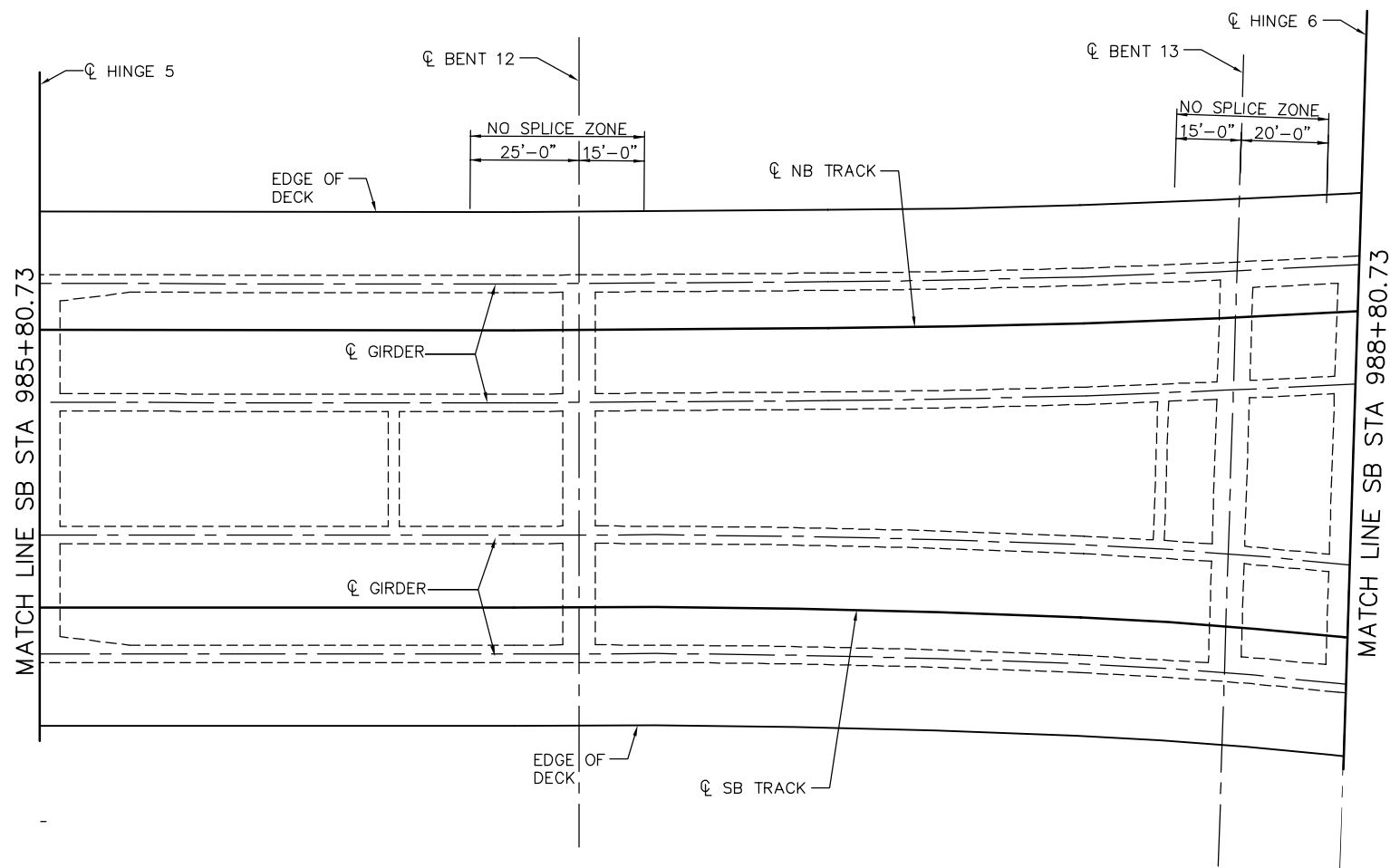
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR386
REVISION	B



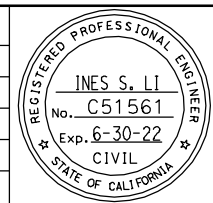
- NOTES:
1. SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR FOR DECK REINFORCING NOTES.
 2. NO ADDITIONAL DECK REINFORCEMENT REQUIRED IN FRAME 6.

ADDITIONAL DECK REINFORCEMENT - FRAME 6
NO SCALE

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PLAN CHECK SET/NOT FOR CONSTRUCTION

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR387.dwg

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Transportation
Authority

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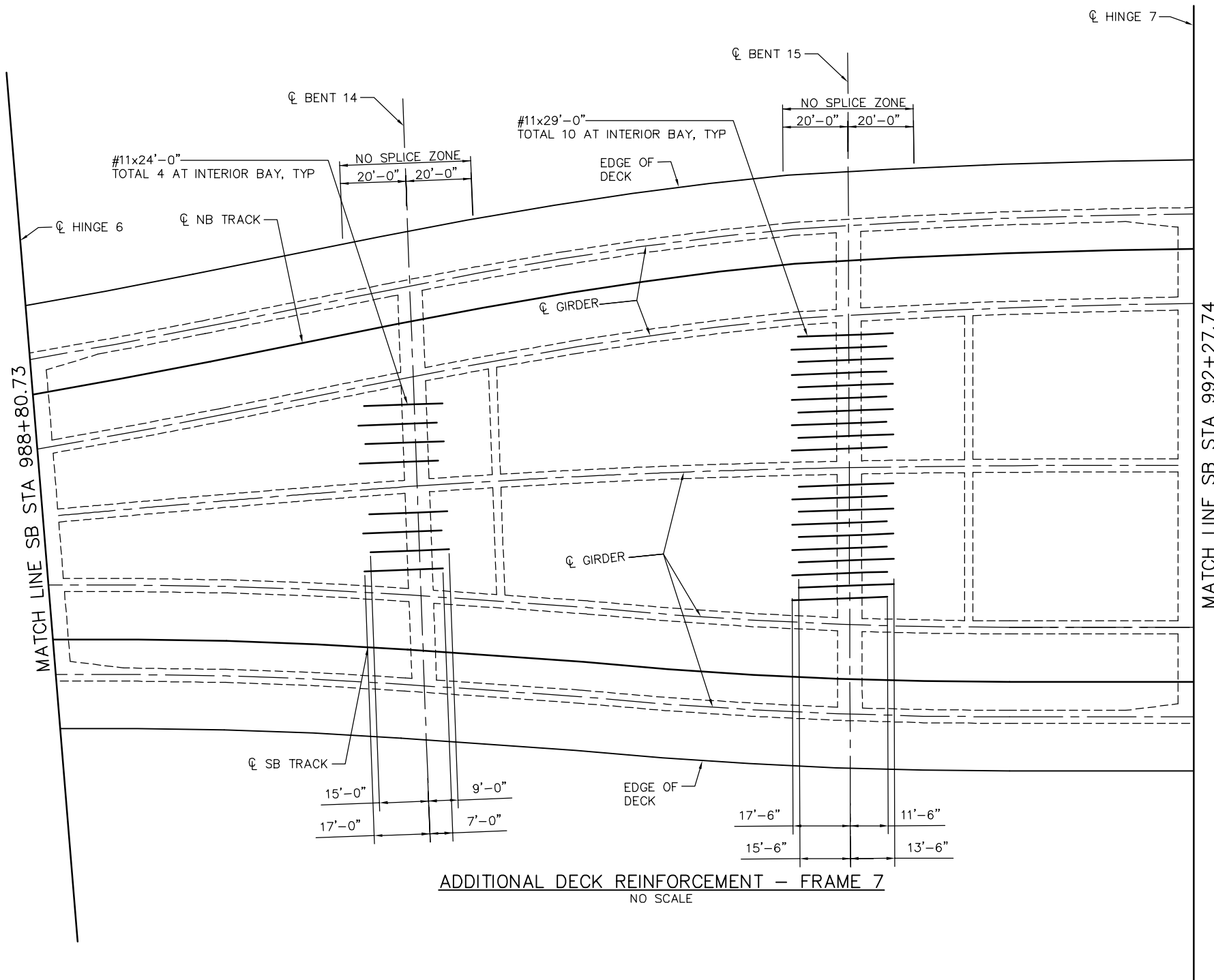
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 6

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR387
REVISION	B



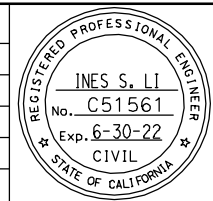
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 7
NO SCALE

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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR388.dwg

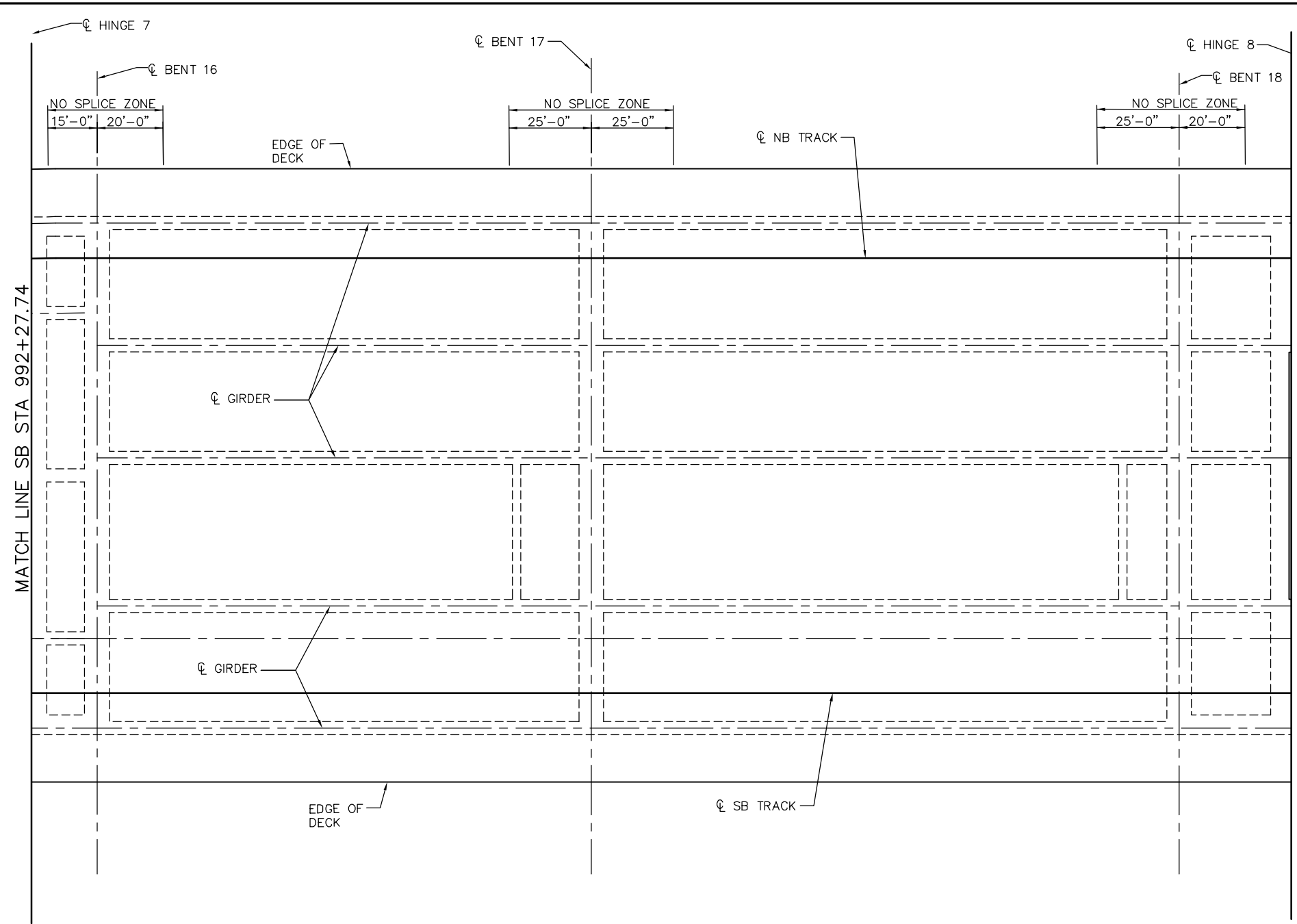
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Transportation
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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 7			SHEET OF DRAWING NO. SR388 REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



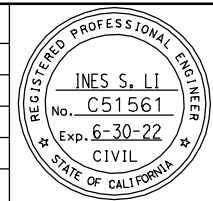
- NOTES:
- SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.
 - NO ADDITIONAL DECK REINFORCING REQUIRED IN FRAME B.

ADDITIONAL DECK REINFORCEMENT - FRAME 8
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR389.dwg



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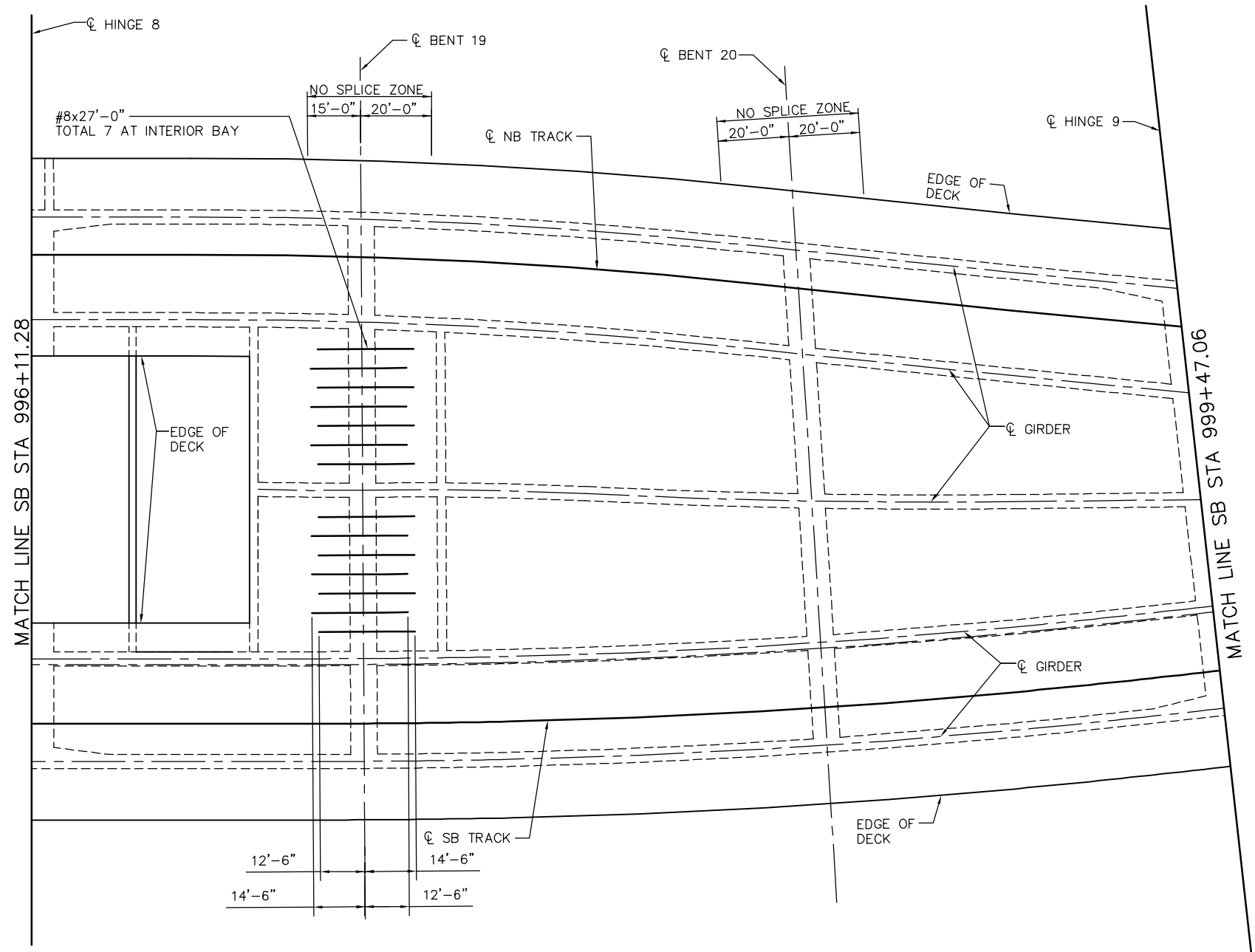
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 8

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR389
REVISION	B



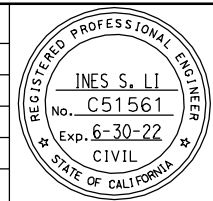
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 9
NO SCALE

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR390.dwg

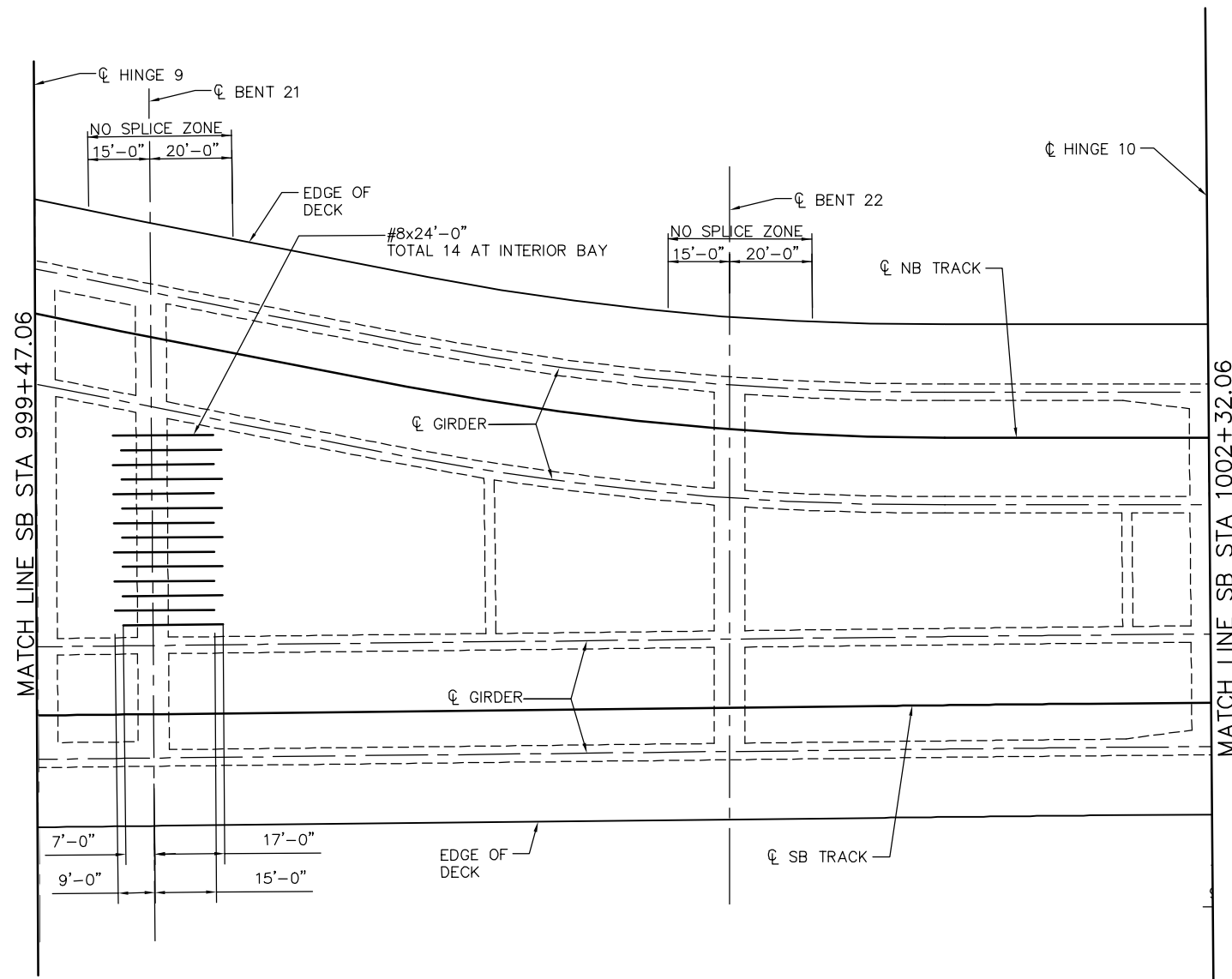
Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 9			SHEET OF: SR390
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION: PROJECTWISE	REVISION: B



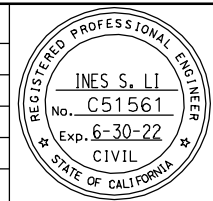
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 10
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR391.dwg



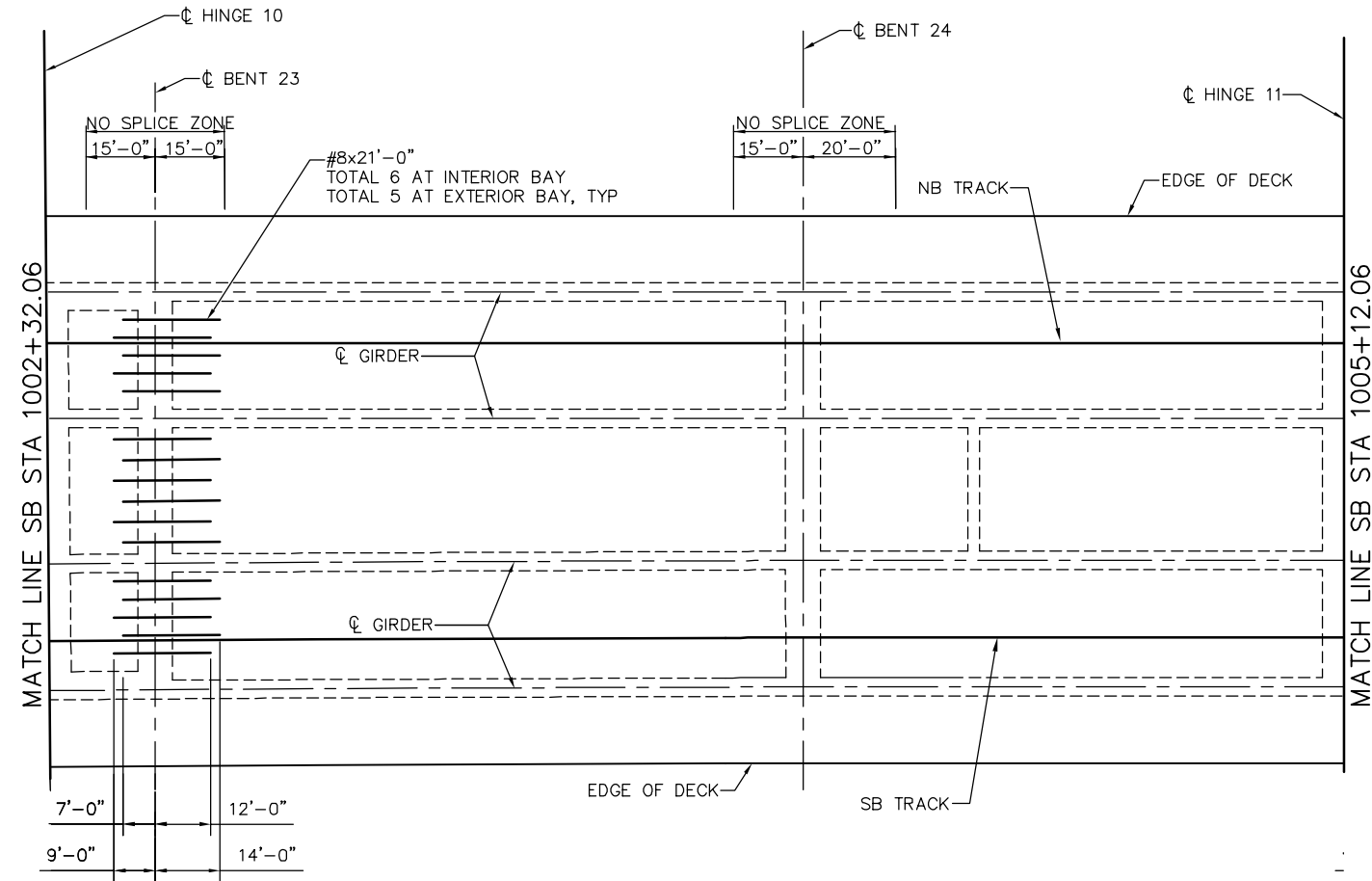
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 10

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR391
REVISION	B



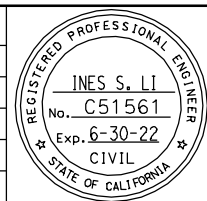
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SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 11
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:59am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR392.dwg

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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR392.dwg



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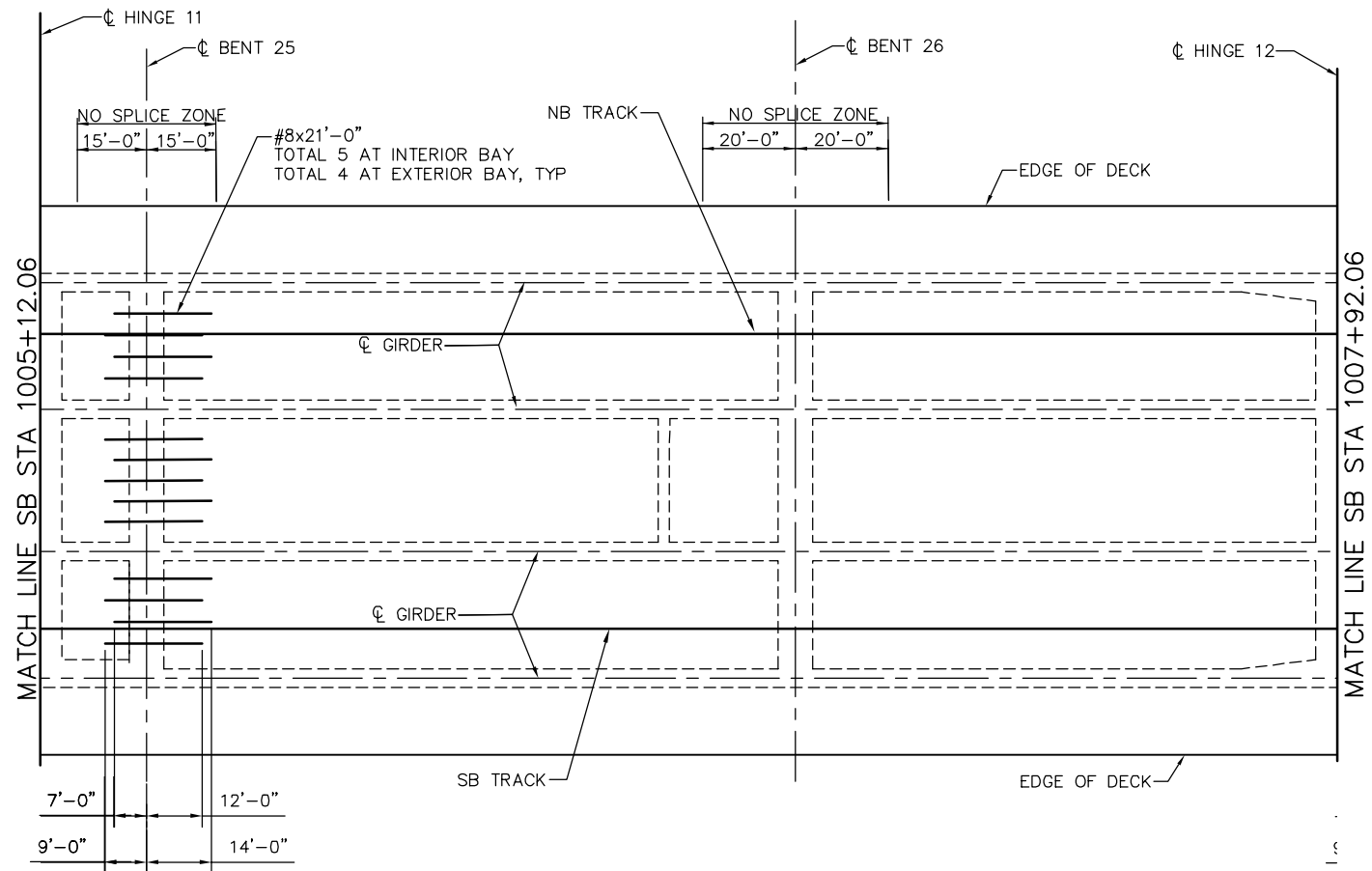
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 11

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR392
REVISION	B



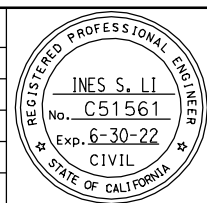
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 12
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 10:59am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SR393.dwg

NO.	DATE	REVISIONS
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR393.dwg



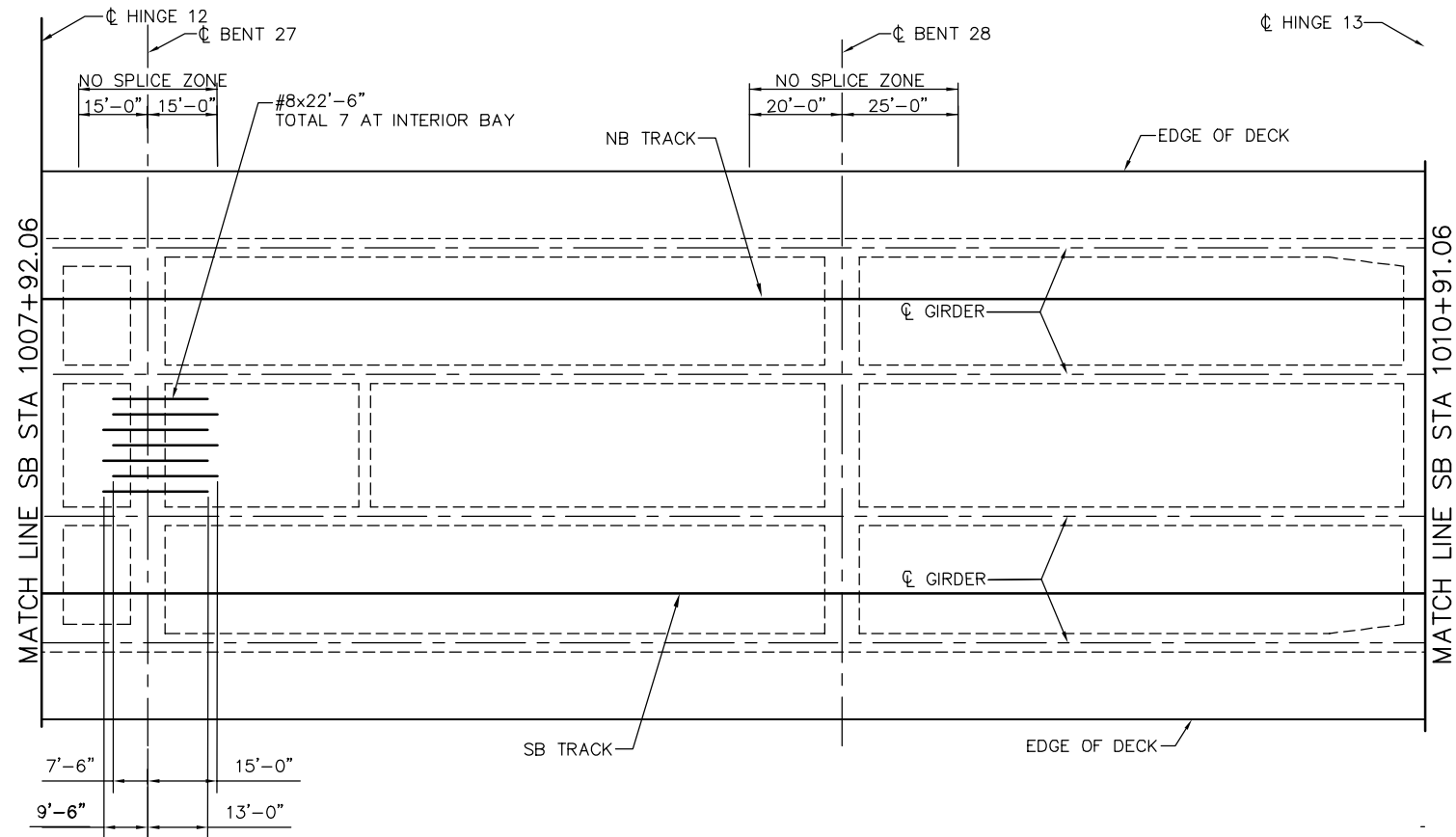
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 12		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR393
REVISION	B



NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

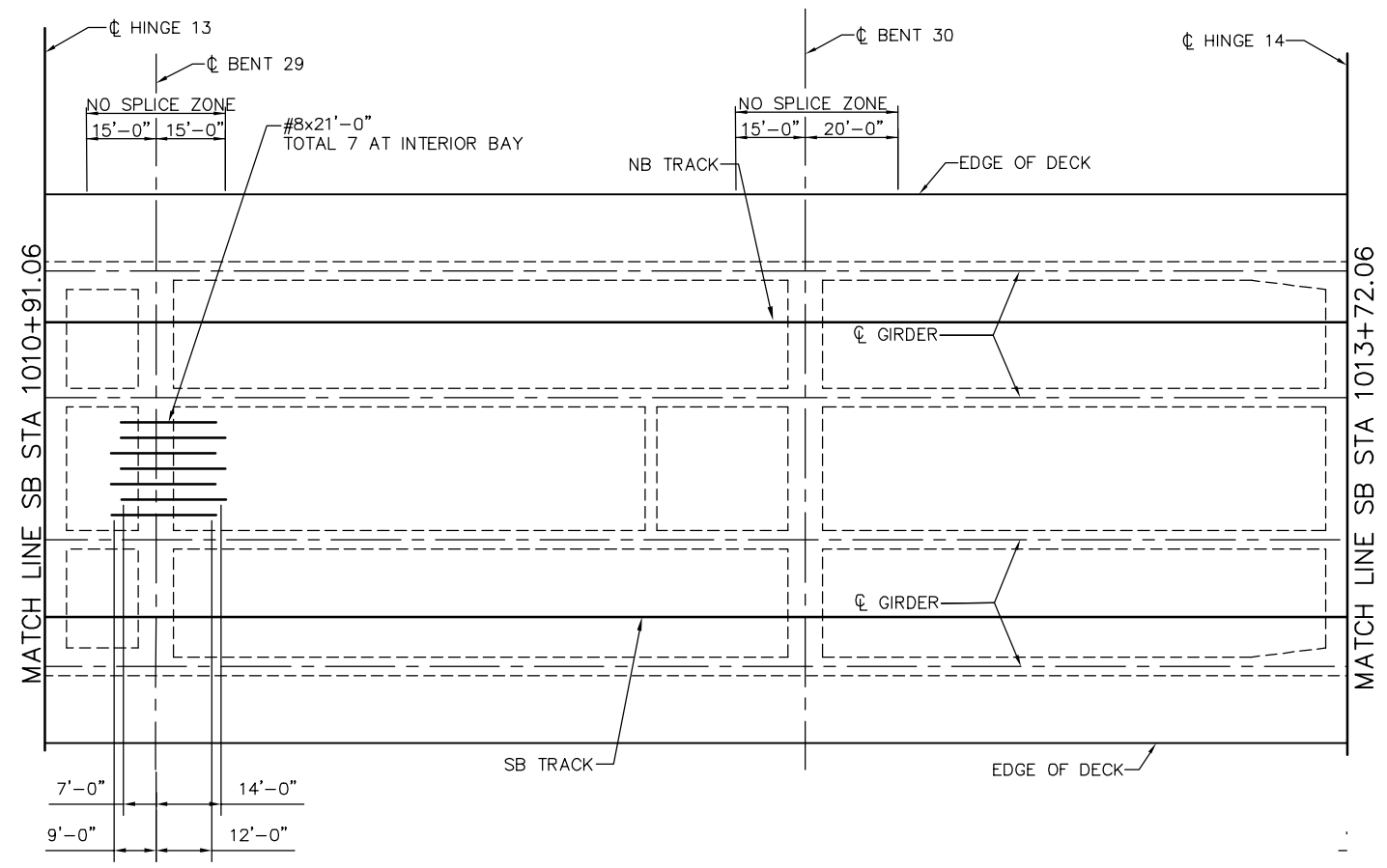
ADDITIONAL DECK REINFORCEMENT - FRAME 13
NO SCALE

JCL Jun 22, 2020 - 2:22pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR394.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER INES S. LI No. C51561 Exp. 6-30-22 CIVIL STATE OF CALIFORNIA			SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315			APPROVED 		EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 13			SHEET OF DRAWING NO. SR394
DESIGNED D. CHAN	CHECKED D. DEVLIN	DRAWN S. HICKEY	CADD FILENAME 801SR394.dwg	CADD FILE DATE 05/18/20		SCALE NTS	SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE	PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



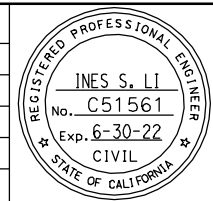
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 14
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR395.dwg

Santa Clara Valley
Transportation
Authority

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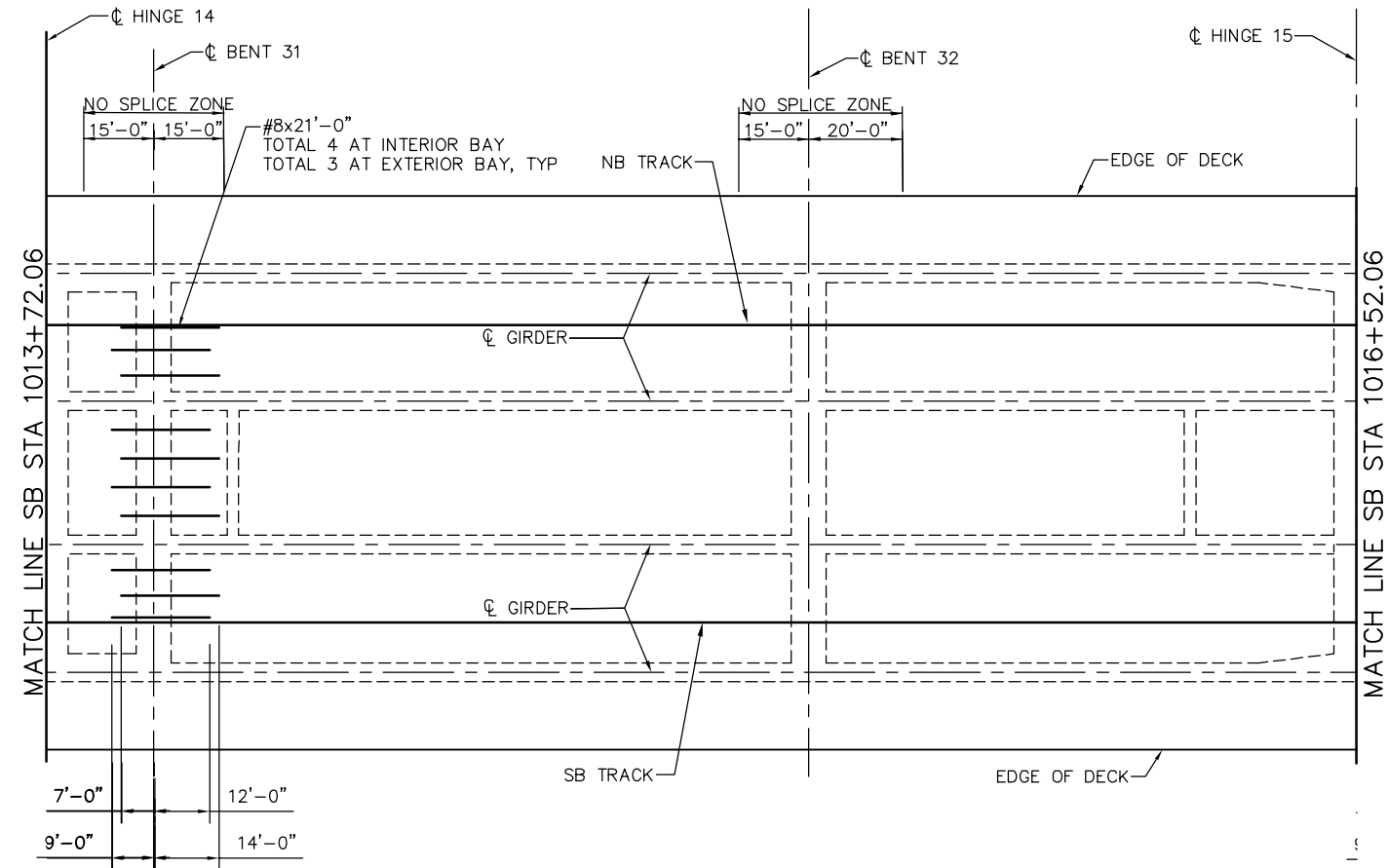
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 14

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR395
REVISION	B



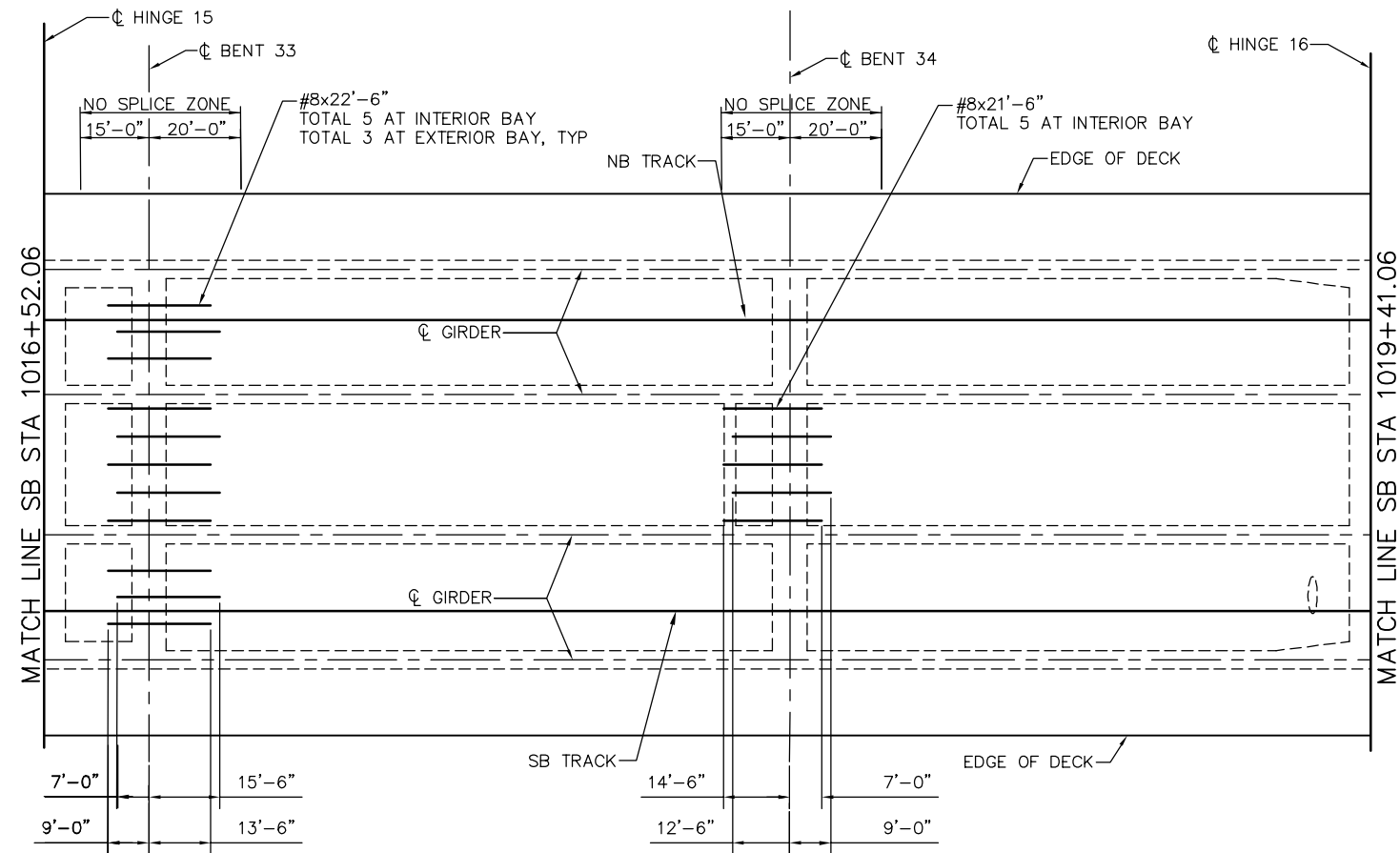
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 15
NO SCALE

SMH Jun 21, 2020 - 11:00am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\01SR396.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS																		
B	06/20	95% SUBMITTAL SET																		
A	03/19	65% SUBMITTAL SET																		
			<p>DRAWING NO. SR396</p>	<p>REVISION B</p>	<p>PCA NO. 000</p>	<p>CONTRACT NO. C801</p>	<p>FILE LOCATION PROJECTWISE</p>													



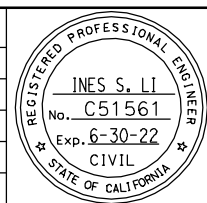
NOTE:
 SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 16
 NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 DRAWN: S. HICKEY

CHECKED: D. DEVLIN
 CADD FILENAME: 801SR397.dwg



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BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

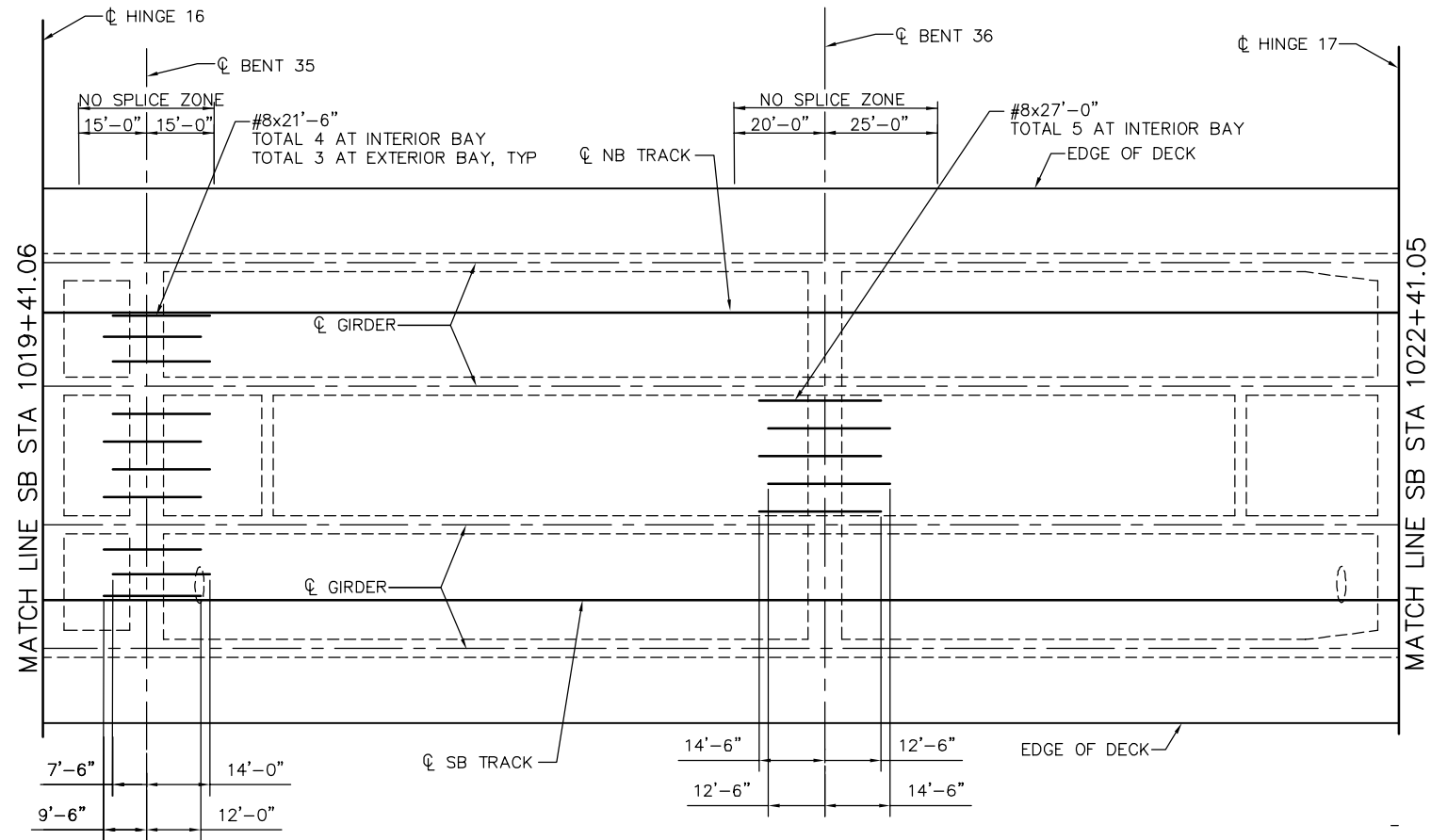
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 SUBMITTAL DATE: 06/29/20

SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 16

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR397
REVISION	B



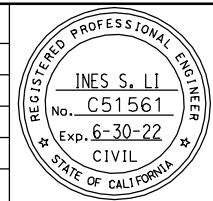
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 17
NO SCALE

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PLAN CHECK SET/NOT FOR CONSTRUCTION

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR398.dwg

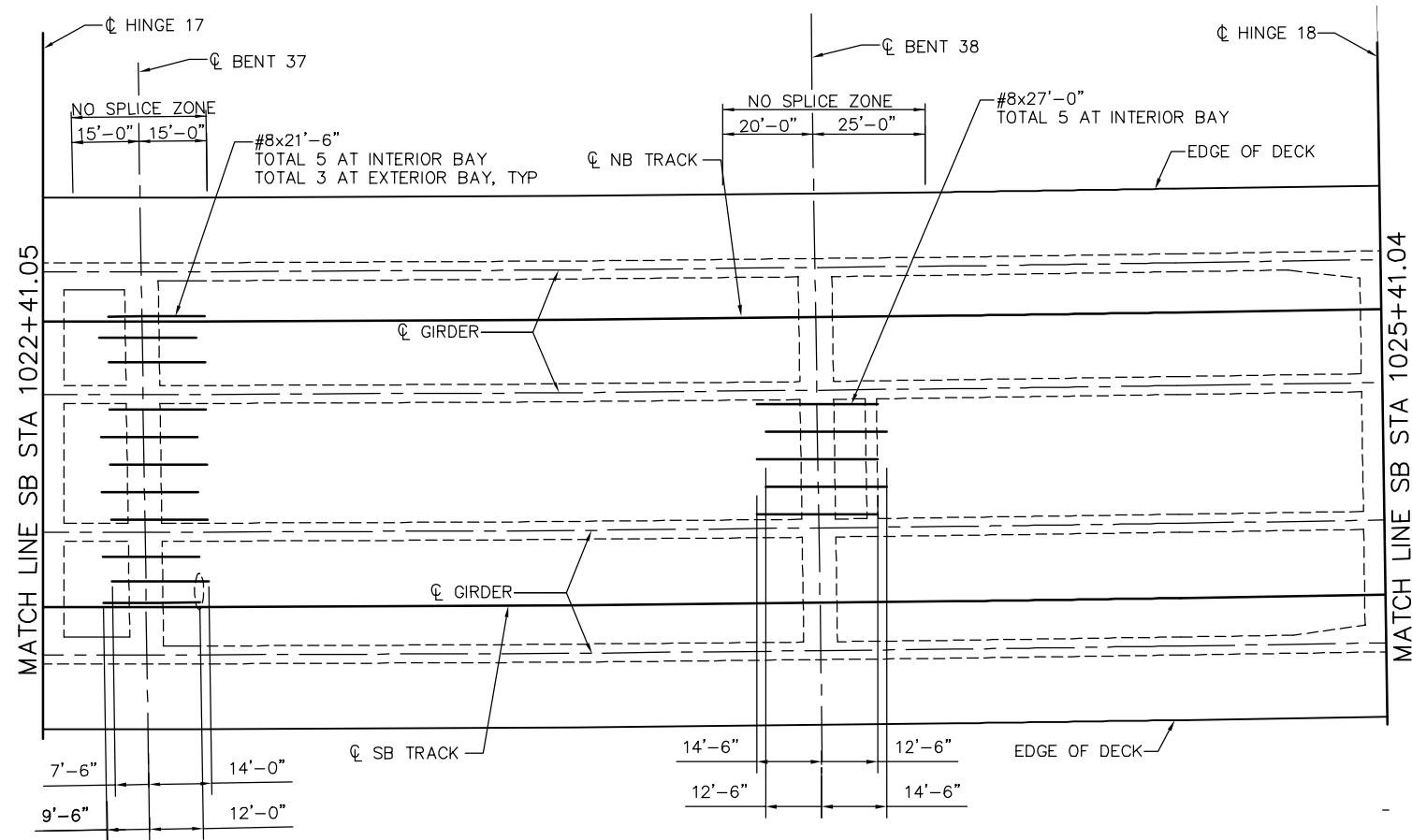
Santa Clara Valley
Transportation
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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 17			SHEET OF DRAWING NO. SR398 REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION: PROJECTWISE	



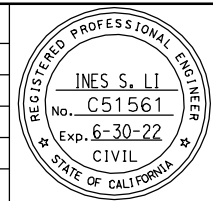
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 18
NO SCALE

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR399.dwg

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Transportation
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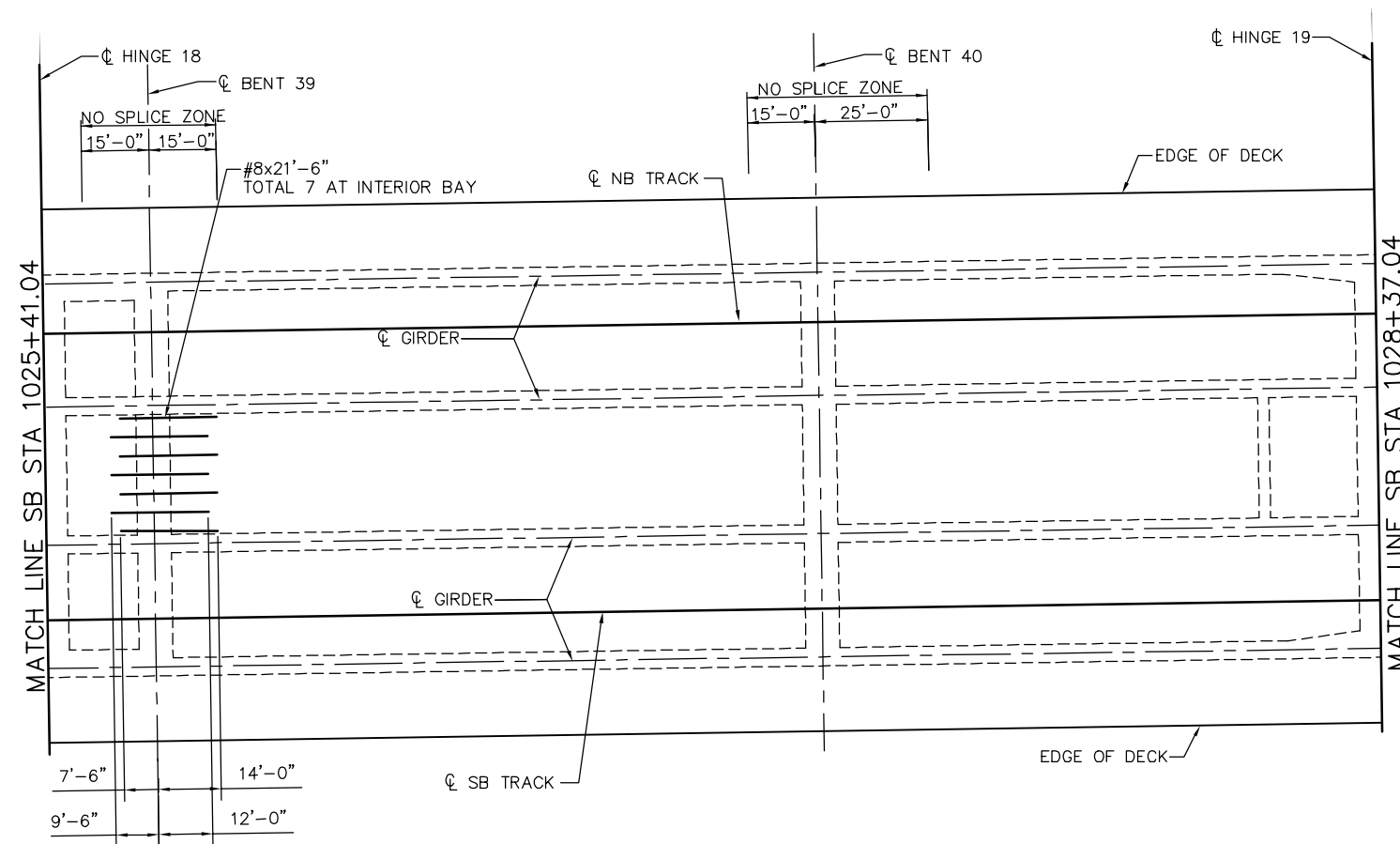
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 18

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR399
REVISION	B



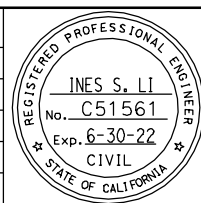
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 19
NO SCALE

SMH Jun 21, 2020 - 11:01am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR400.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR400.dwg



APPROVED

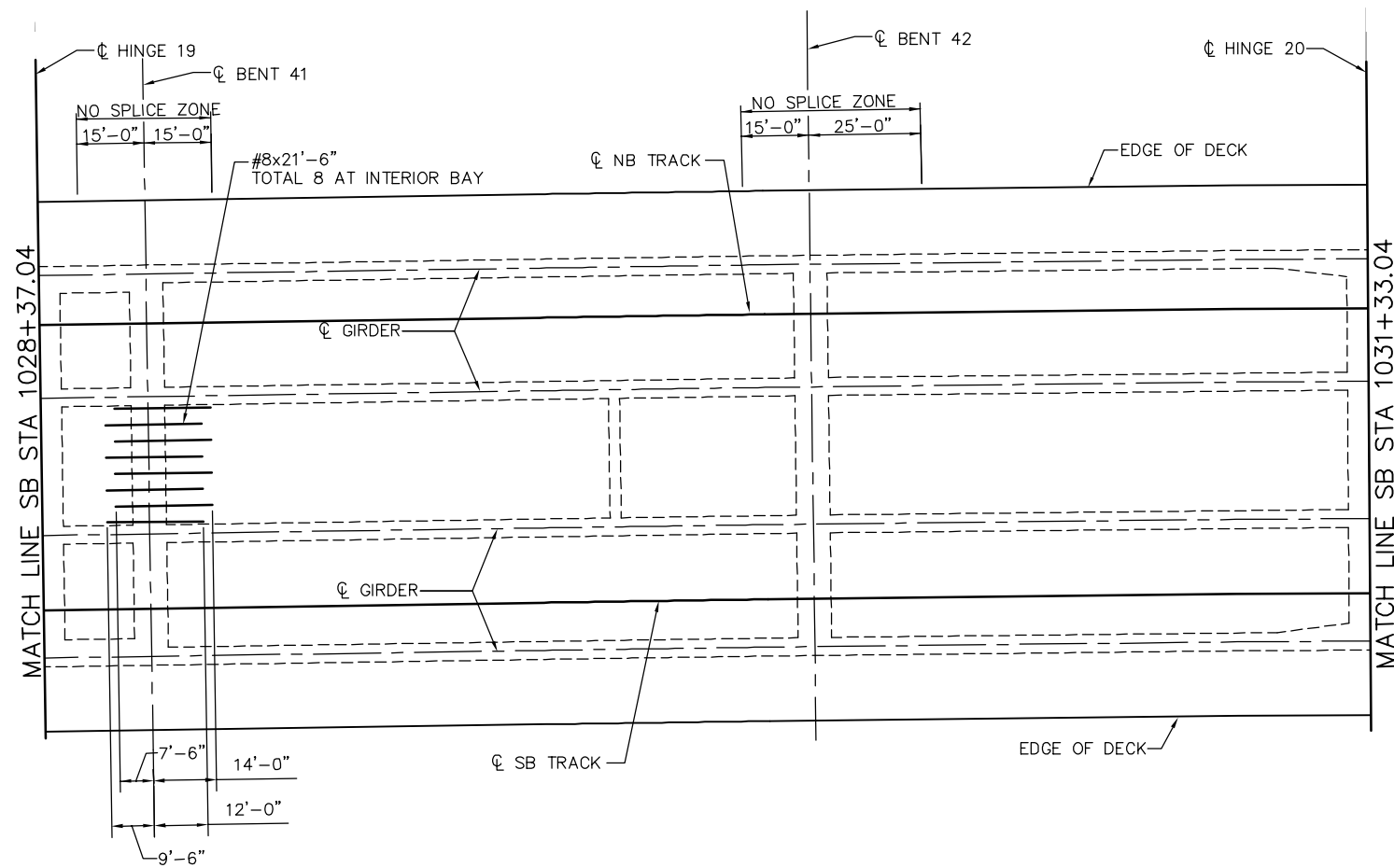
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 19

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	SR400
REVISION	B



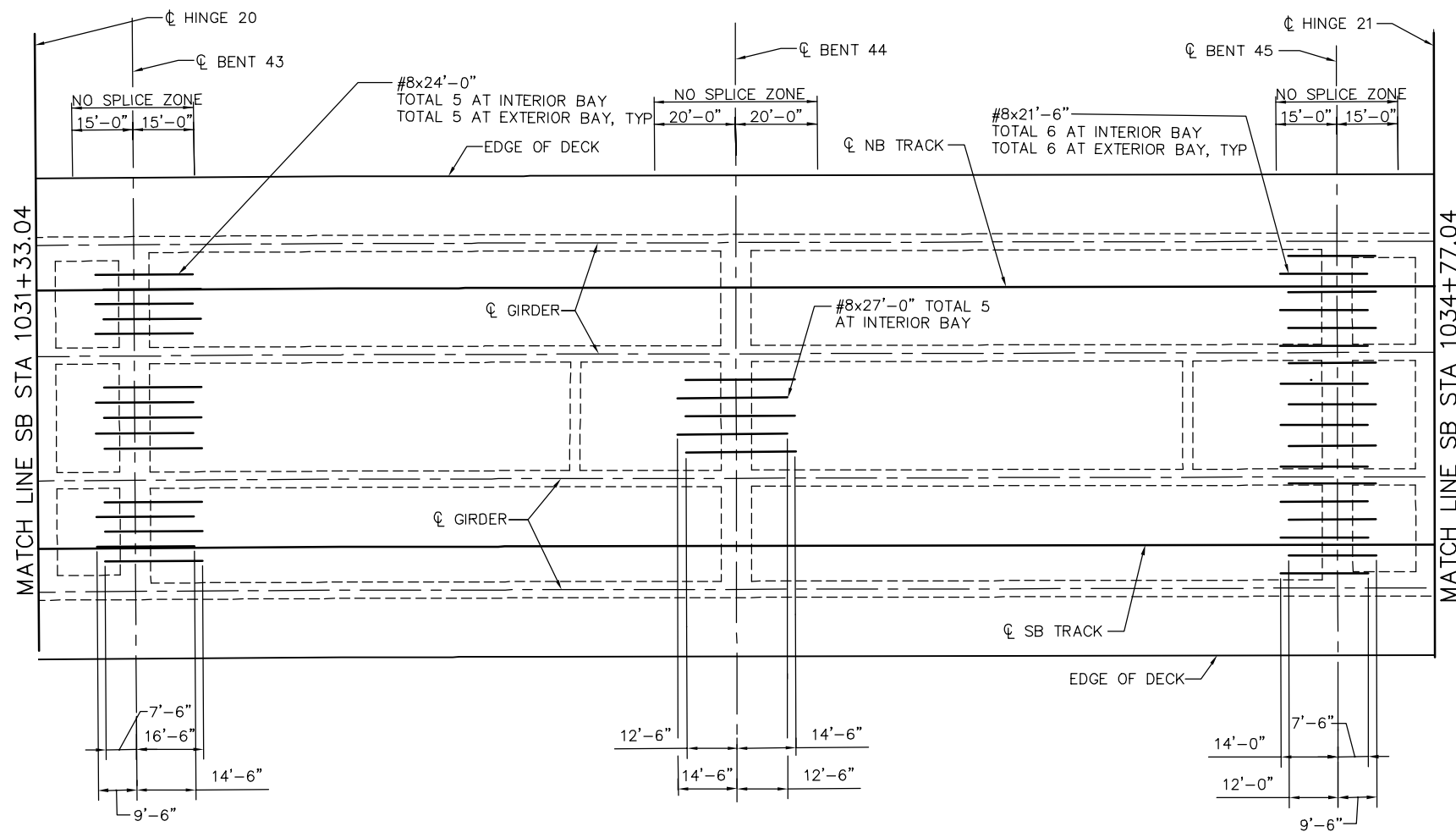
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 20
NO SCALE

SMH Jun 21, 2020 - 11:01am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR401.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS																										
B	06/20	95% SUBMITTAL SET																										
A	03/19	65% SUBMITTAL SET																										
PCA NO.	CONTRACT NO.	FILE LOCATION																										
000	C801	PROJECTWISE																										
SHEET OF	SR401																											
REVISION	B																											
<table border="1"> <tr> <td>DESIGNED</td> <td>D. CHAN</td> <td>CHECKED</td> <td>D. DEVLIN</td> </tr> <tr> <td>DRAWN</td> <td>S. HICKEY</td> <td>CADD FILENAME</td> <td>801SR401.dwg</td> </tr> </table>			DESIGNED	D. CHAN	CHECKED	D. DEVLIN	DRAWN	S. HICKEY	CADD FILENAME	801SR401.dwg	<table border="1"> <tr> <td>CADD FILE DATE</td> <td>SCALE</td> </tr> <tr> <td>05/18/20</td> <td>NTS</td> </tr> <tr> <td>SUBMITTAL DATE</td> <td>BOARD APPROVAL DATE</td> </tr> <tr> <td>06/29/20</td> <td></td> </tr> </table>		CADD FILE DATE	SCALE	05/18/20	NTS	SUBMITTAL DATE	BOARD APPROVAL DATE	06/29/20									
DESIGNED	D. CHAN	CHECKED	D. DEVLIN																									
DRAWN	S. HICKEY	CADD FILENAME	801SR401.dwg																									
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05/18/20	NTS																											
SUBMITTAL DATE	BOARD APPROVAL DATE																											
06/29/20																												



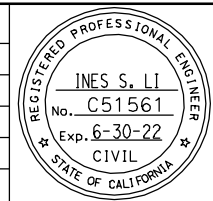
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 21
NO SCALE

SMH Jun 21, 2020 - 11:01am W:\2017\2017103\CAPITOL_GUIDEWAY\801SR402.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR402.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

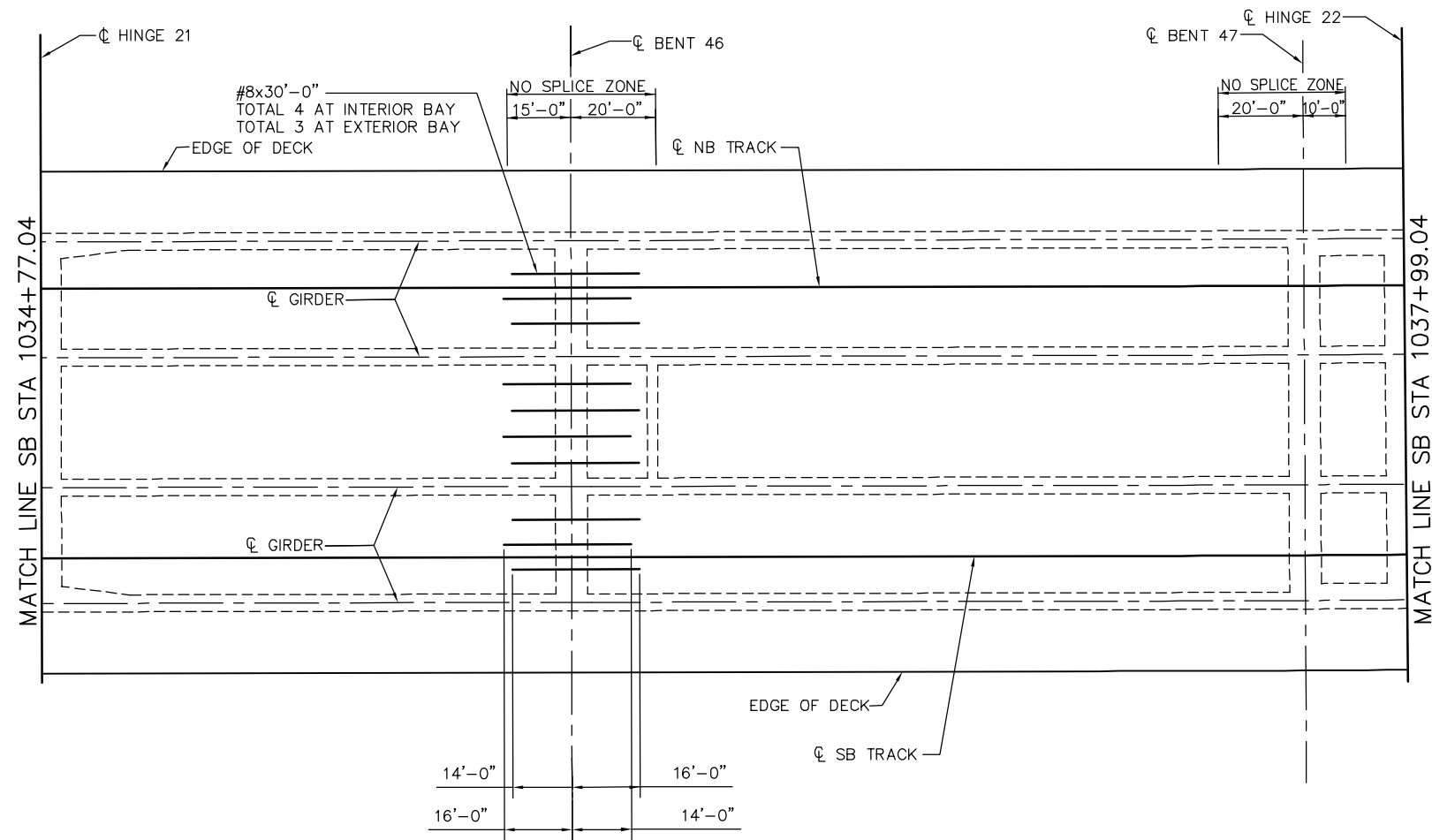
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 21

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	SR402
REVISION	B



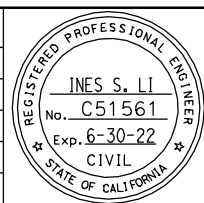
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR FOR ADDITIONAL DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 22
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:02am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR403.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



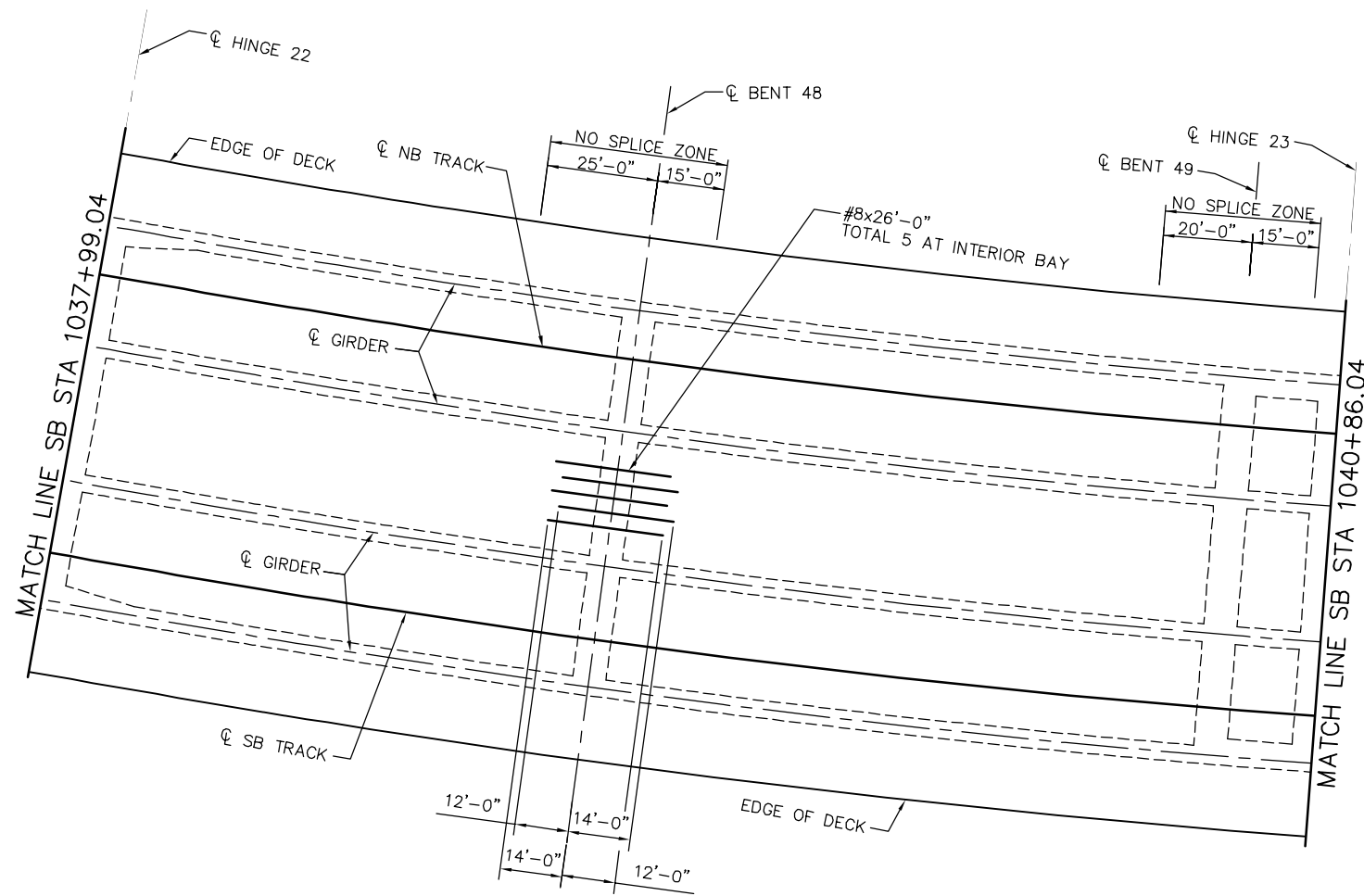
SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315	
DESIGNED D. CHAN	CHECKED D. DEVLIN
DRAWN S. HICKEY	CADD FILENAME 801SR403.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 05/18/20	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 22		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR403
REVISION	B



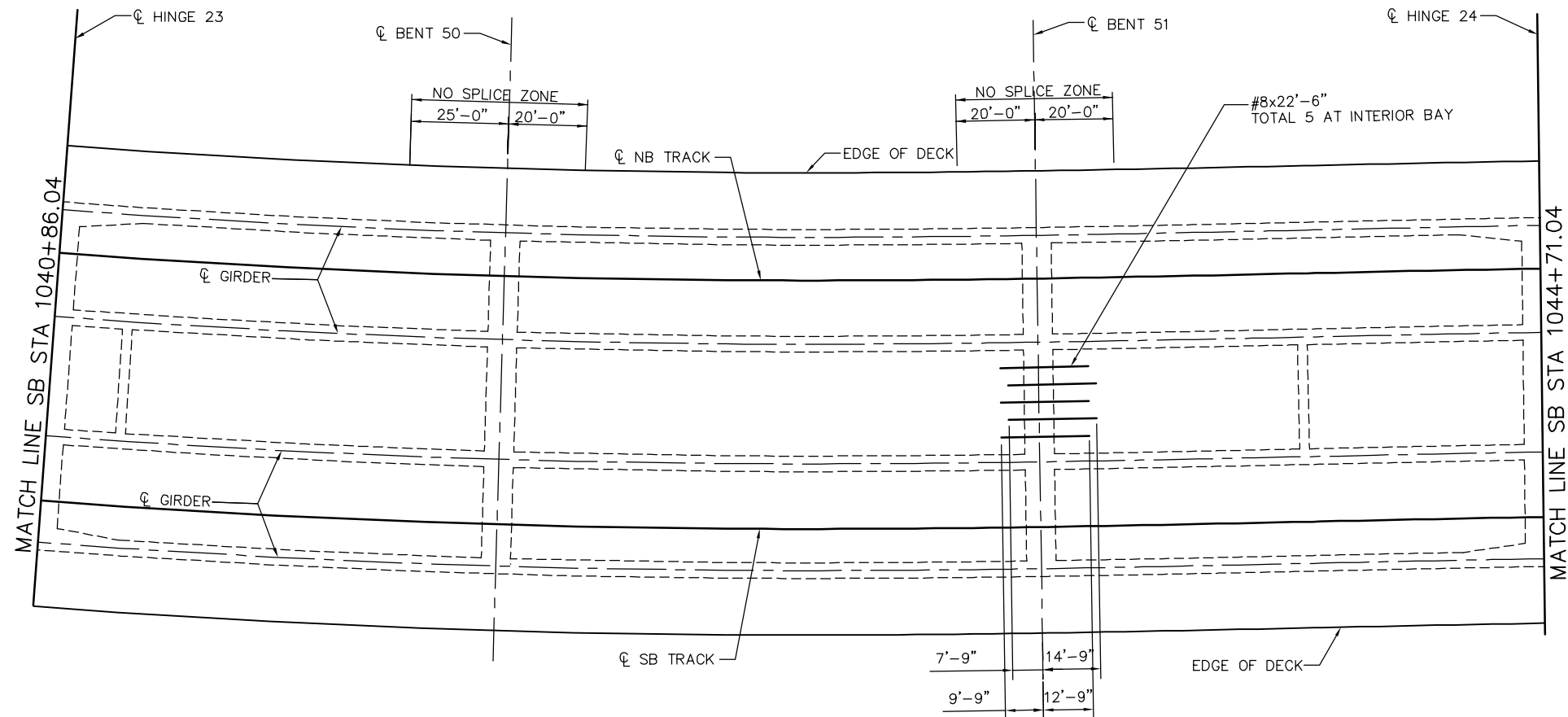
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 23
NO SCALE

SMH Jun 21, 2020 - 11:02am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR404.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS																		
B	06/20	95% SUBMITTAL SET																		
A	03/19	65% SUBMITTAL SET																		
			<p>DRAWING NO. SR404</p>	<p>REVISION B</p>	<p>PCA NO. 000</p>	<p>CONTRACT NO. C801</p>	<p>FILE LOCATION PROJECTWISE</p>													



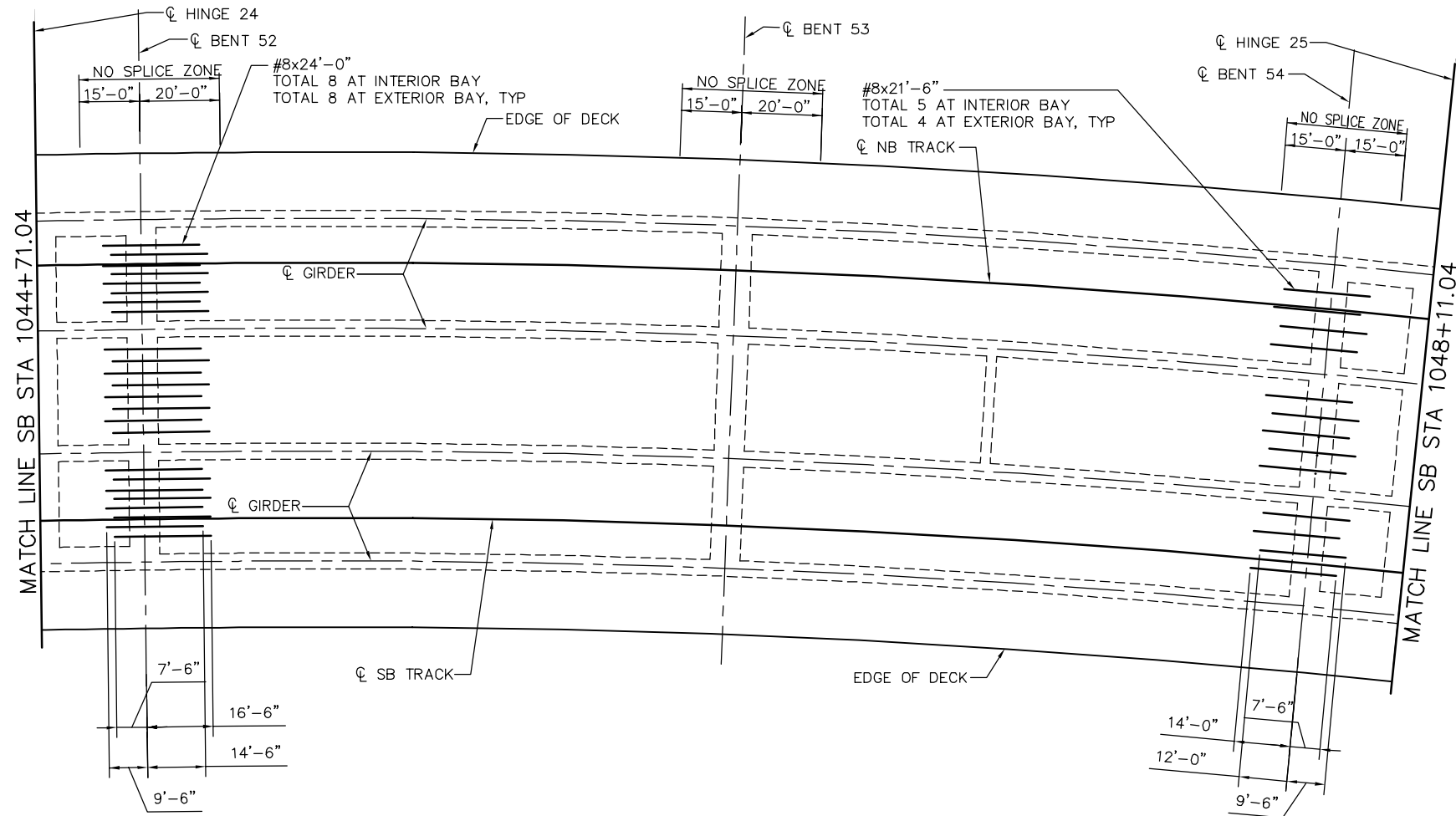
NOTE:
 1. SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 24
 NO SCALE

SMH Jun 21, 2020 - 11:03am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR405.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS																	
B	06/20	95% SUBMITTAL SET																	
A	03/19	65% SUBMITTAL SET																	
<p>DESIGNED: D. CHAN</p> <p>DRAWN: S. HICKEY</p>		<p>CHECKED: D. DEVLIN</p> <p>CADD FILENAME: 801SR405.dwg</p>	<p>CADD FILE DATE: 05/18/20</p> <p>SUBMITTAL DATE: 06/29/20</p>	<p>SCALE: NTS</p> <p>BOARD APPROVAL DATE:</p>	<p>PCA NO. 000</p> <p>CONTRACT NO. C801</p> <p>FILE LOCATION: PROJECTWISE</p>														



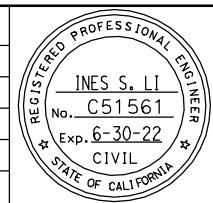
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 25
NO SCALE

SMH Jun 21, 2020 - 11:03am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR406.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR406.dwg



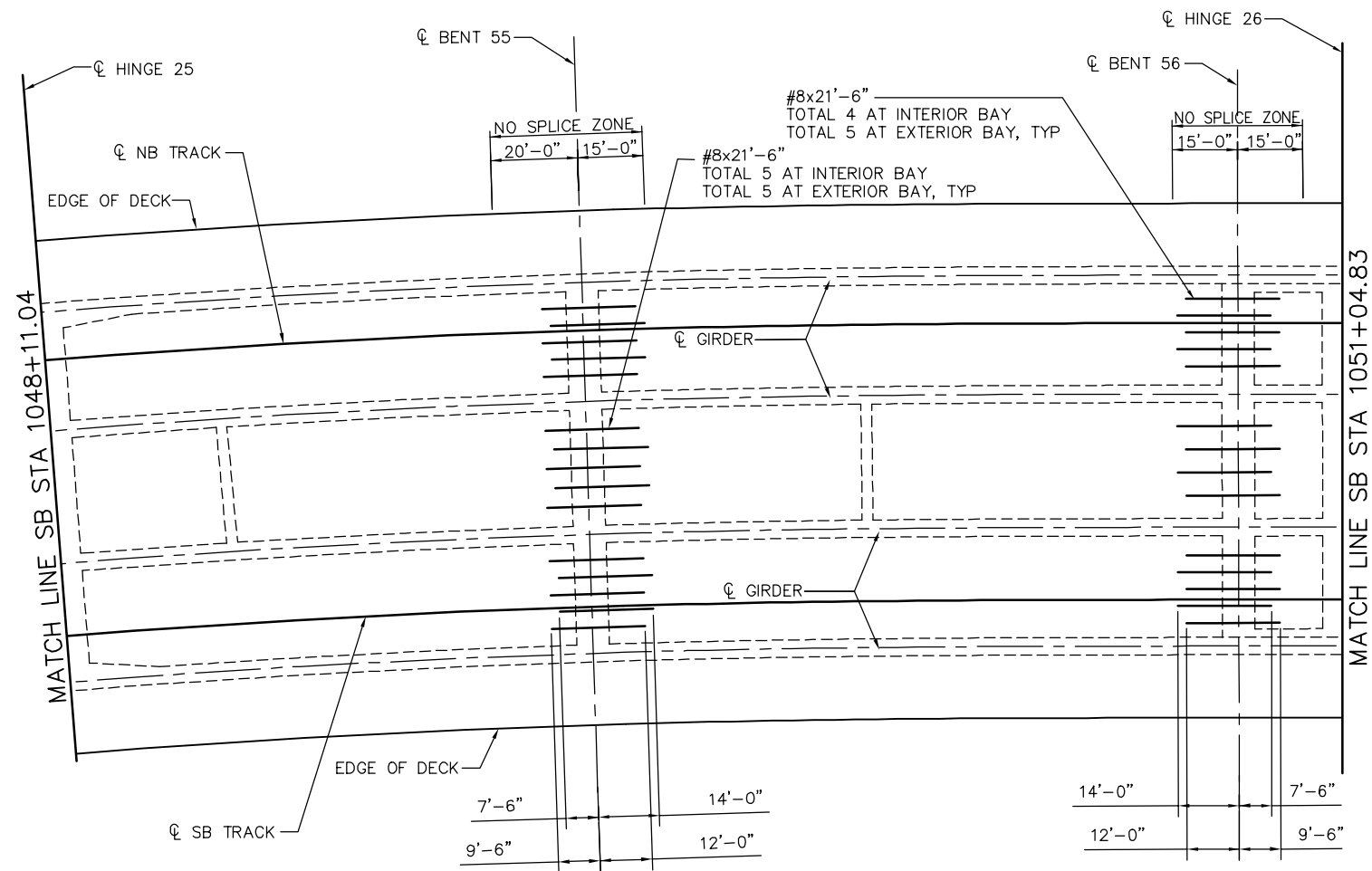
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 25

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	SR406
REVISION	B



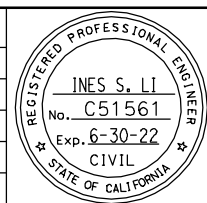
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 26
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:03am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR407.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR407.dwg



APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

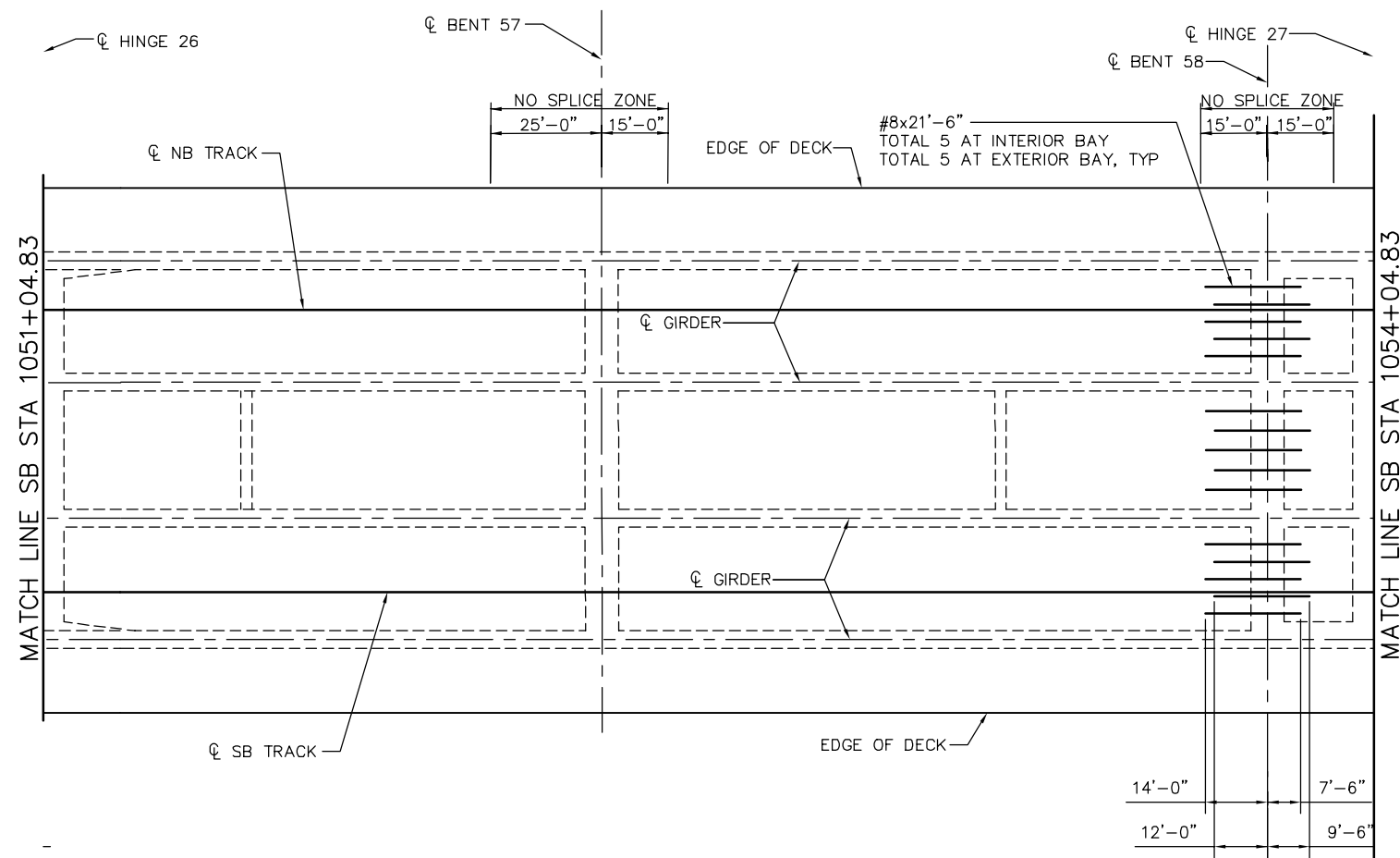
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 26

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR407
REVISION	B



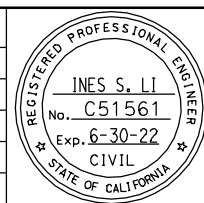
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 27
NO SCALE

SMH Jun 21, 2020 - 11:04am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR408.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR408.dwg



APPROVED

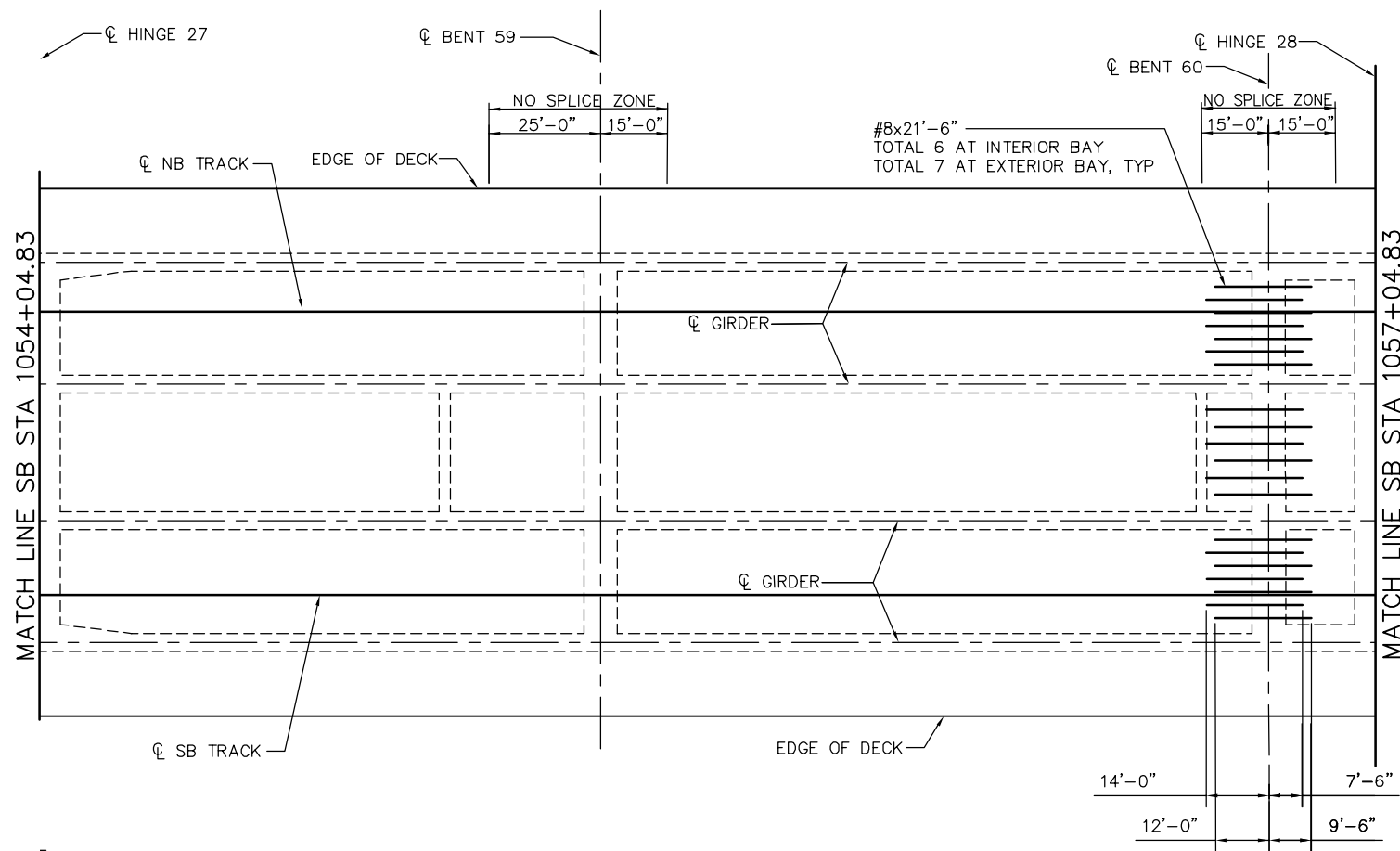
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 27

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR408
REVISION	B



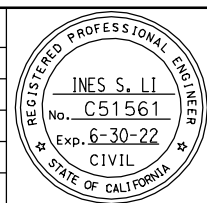
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 28
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:04am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR409.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR409.dwg



APPROVED

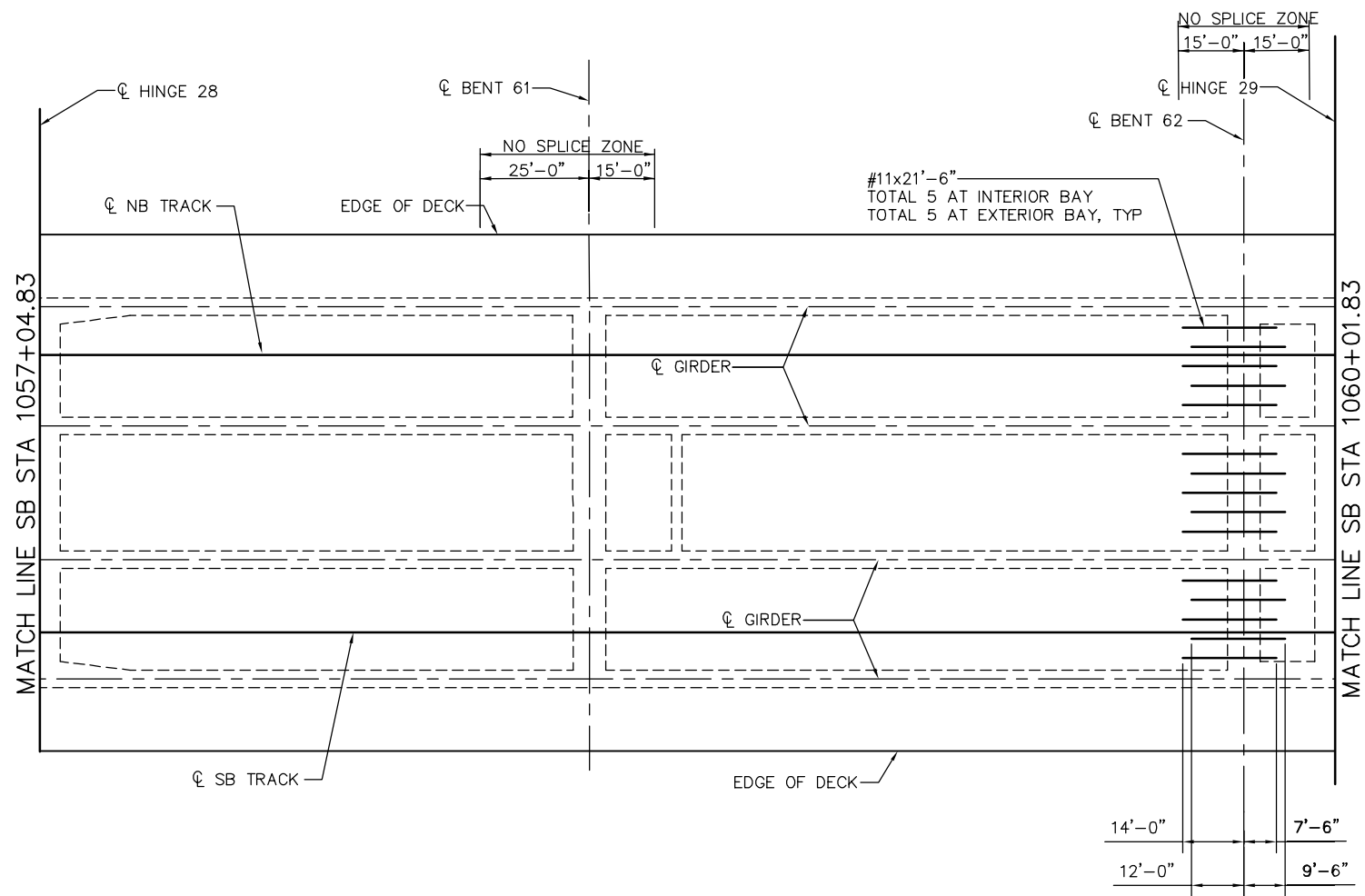
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 28

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR409
REVISION	B



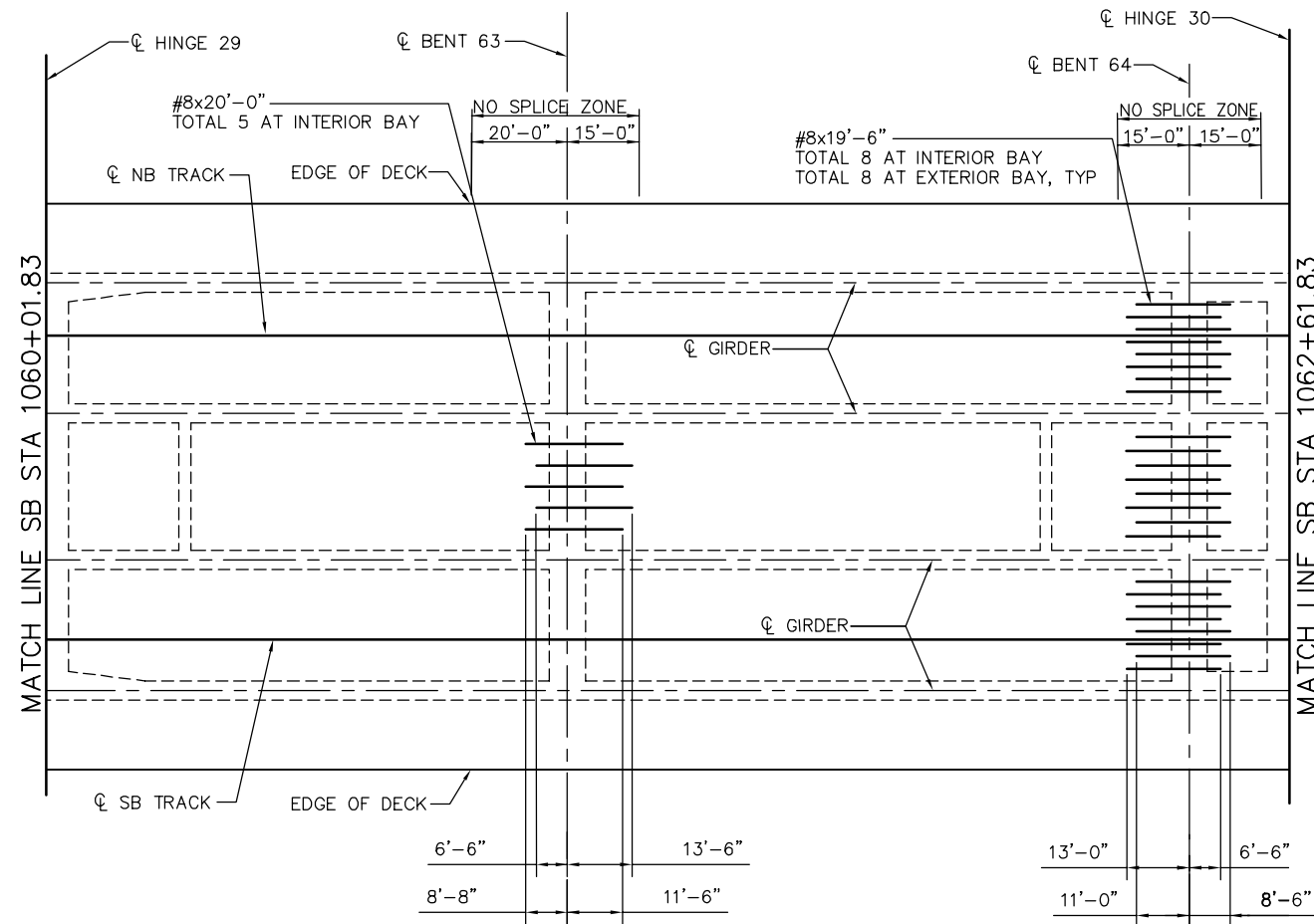
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 29
NO SCALE

SMH Jun 21, 2020 - 11:04am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR410.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

<table border="1"> <tr> <td>NO.</td> <td>DATE</td> <td>REVISIONS</td> </tr> <tr> <td>B</td> <td>06/20</td> <td>95% SUBMITTAL SET</td> </tr> <tr> <td>A</td> <td>03/19</td> <td>65% SUBMITTAL SET</td> </tr> </table>			NO.	DATE	REVISIONS	B	06/20	95% SUBMITTAL SET	A	03/19	65% SUBMITTAL SET		<p>SUBMITTED</p> <p>BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS</p> <p>865 The Alameda San Jose, California 95128 408-296-5315</p>		<p>APPROVED</p>	<p>EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 29</p>			<p>SHEET OF</p> <p>DRAWING NO. SR410</p> <p>REVISION B</p>
NO.	DATE	REVISIONS																	
B	06/20	95% SUBMITTAL SET																	
A	03/19	65% SUBMITTAL SET																	
<p>DESIGNED: D. CHAN</p> <p>CHECKED: D. DEVLIN</p> <p>DRAWN: S. HICKEY</p> <p>CADD FILENAME: 801SR410.dwg</p>		<p>CADD FILE DATE: 05/18/20</p> <p>SUBMITTAL DATE: 06/29/20</p>	<p>SCALE: NTS</p> <p>BOARD APPROVAL DATE:</p>	<p>PCA NO.: 000</p> <p>CONTRACT NO.: C801</p> <p>FILE LOCATION: PROJECTWISE</p>															



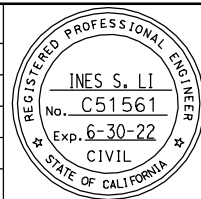
NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 30
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:05am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR411.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR411.dwg



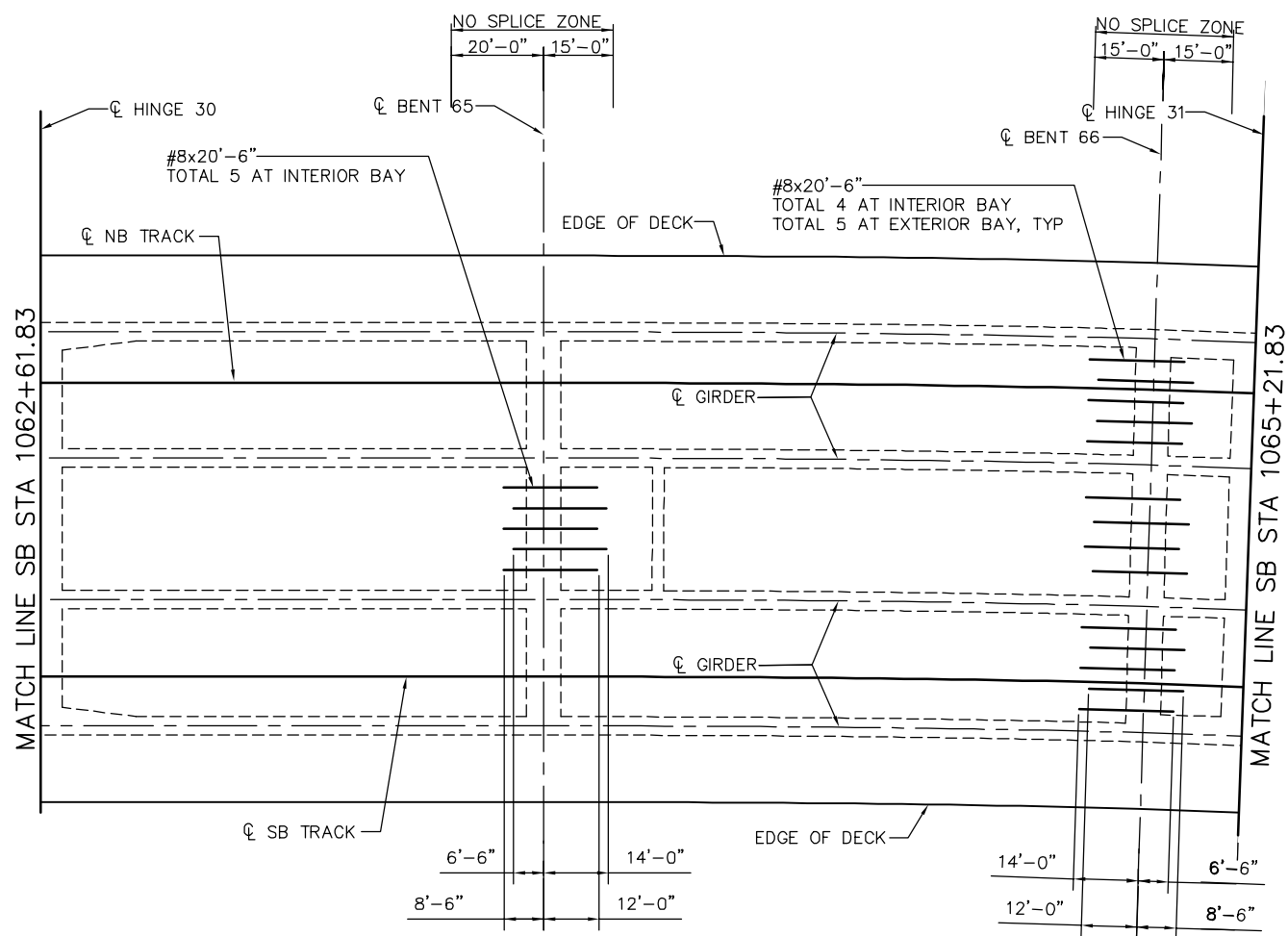
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 30		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR411
REVISION	B



NOTE:
SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR
DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 31
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:05am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR412.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



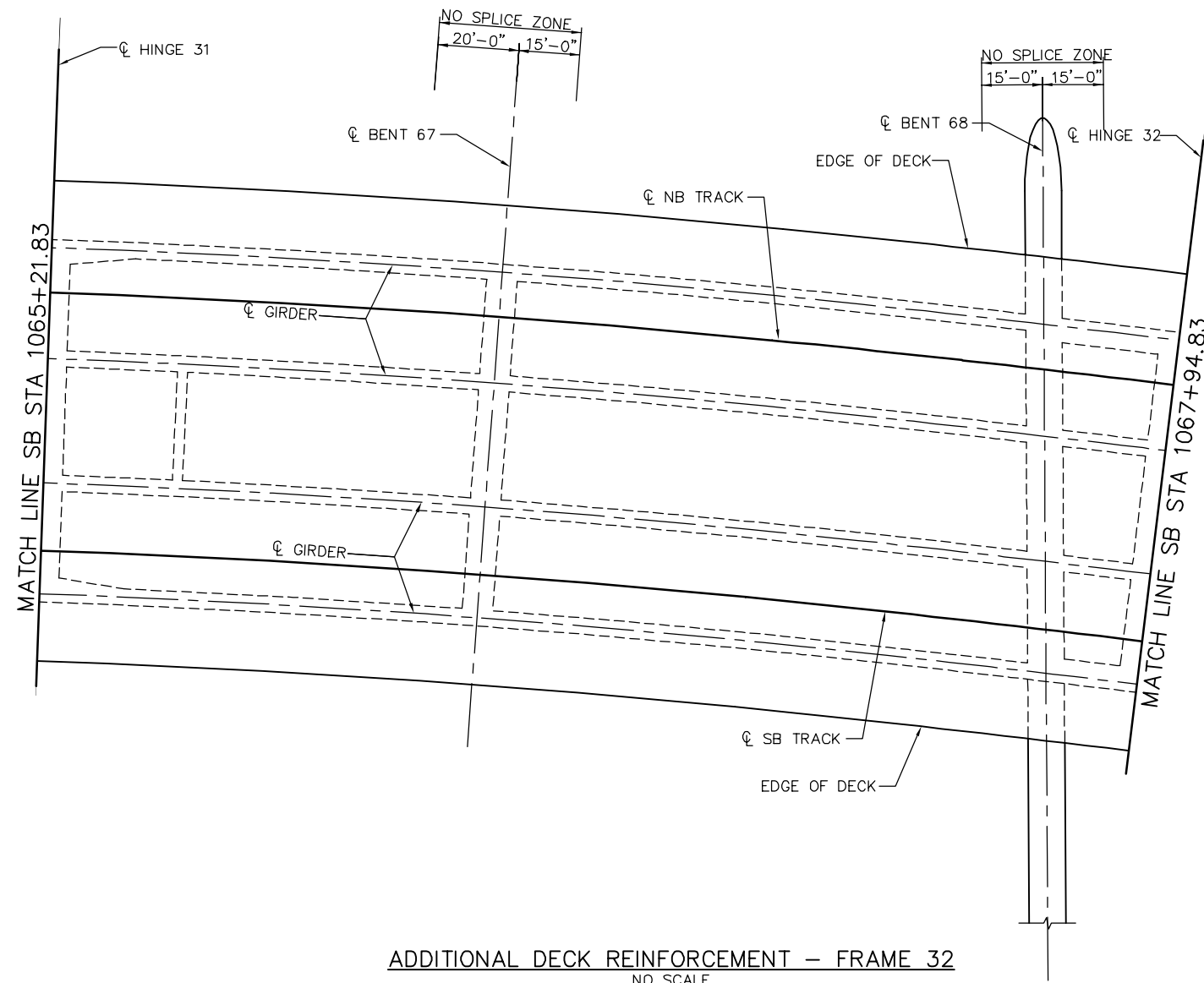
SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315	
DESIGNED D. CHAN	CHECKED D. DEVLIN
DRAWN S. HICKEY	CADD FILENAME 801SR412.dwg



APPROVED 	
CADD FILE DATE 05/18/20	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY ADDITIONAL DECK REINFORCEMENT - FRAME 31		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR412
REVISION	B



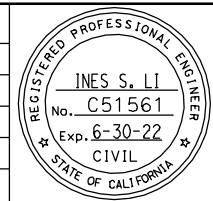
- NOTES:
1. SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.
 2. NO ADDITIONAL DECK REINFORCEMENT REQUIRED IN FRAME 32.

ADDITIONAL DECK REINFORCEMENT - FRAME 32
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:06am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR413.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR413.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

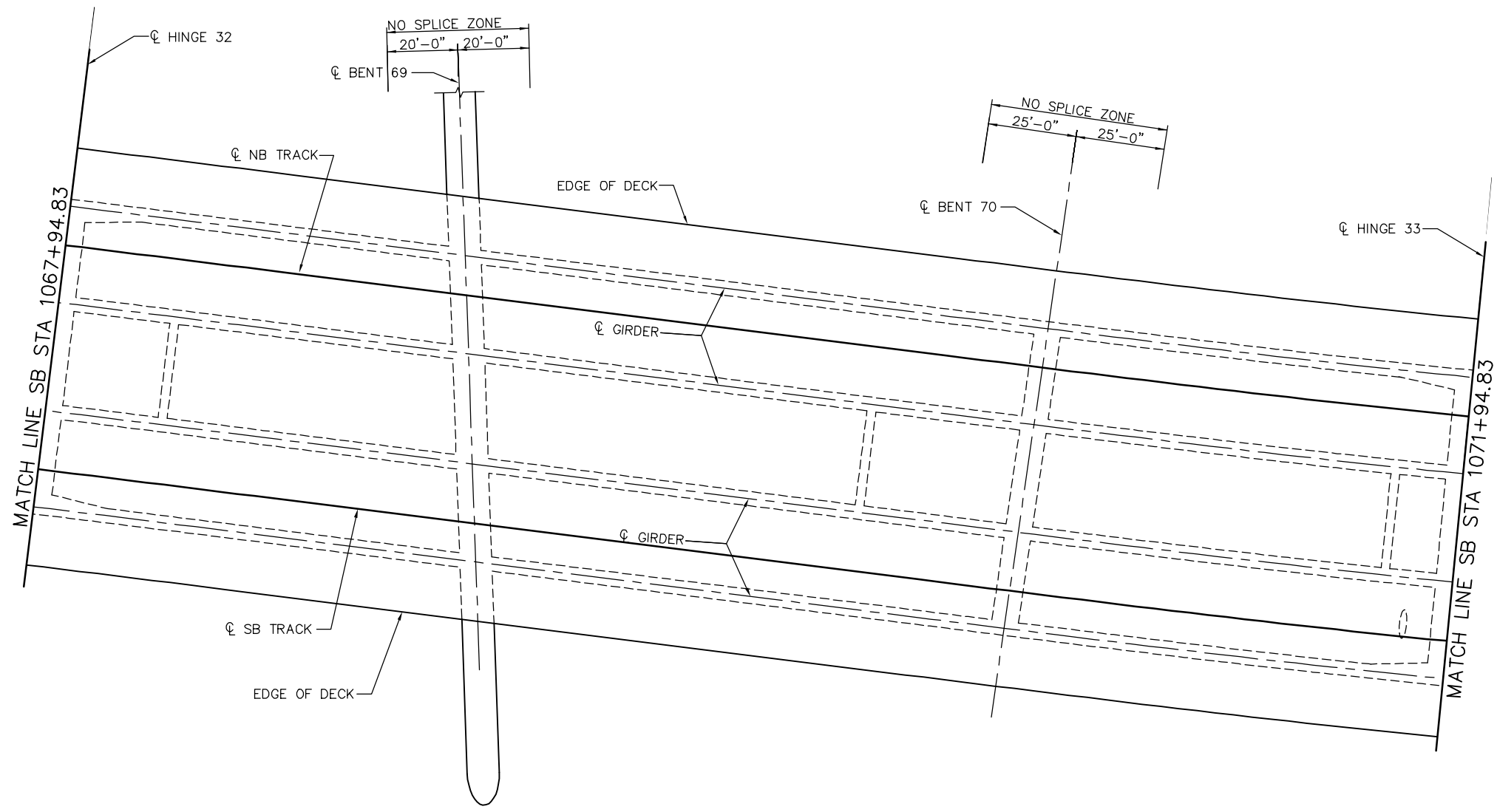
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 32

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR413 REVISION B



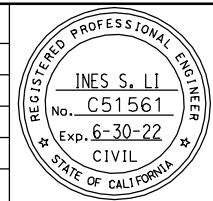
- NOTES:
1. SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.
 2. NO ADDITIONAL DECK REINFORCEMENT REQUIRED IN FRAME 33.

ADDITIONAL DECK REINFORCEMENT - FRAME 33
NO SCALE

SMH Jun 21, 2020 - 11:06am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR414.dwg

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DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR414.dwg

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Transportation
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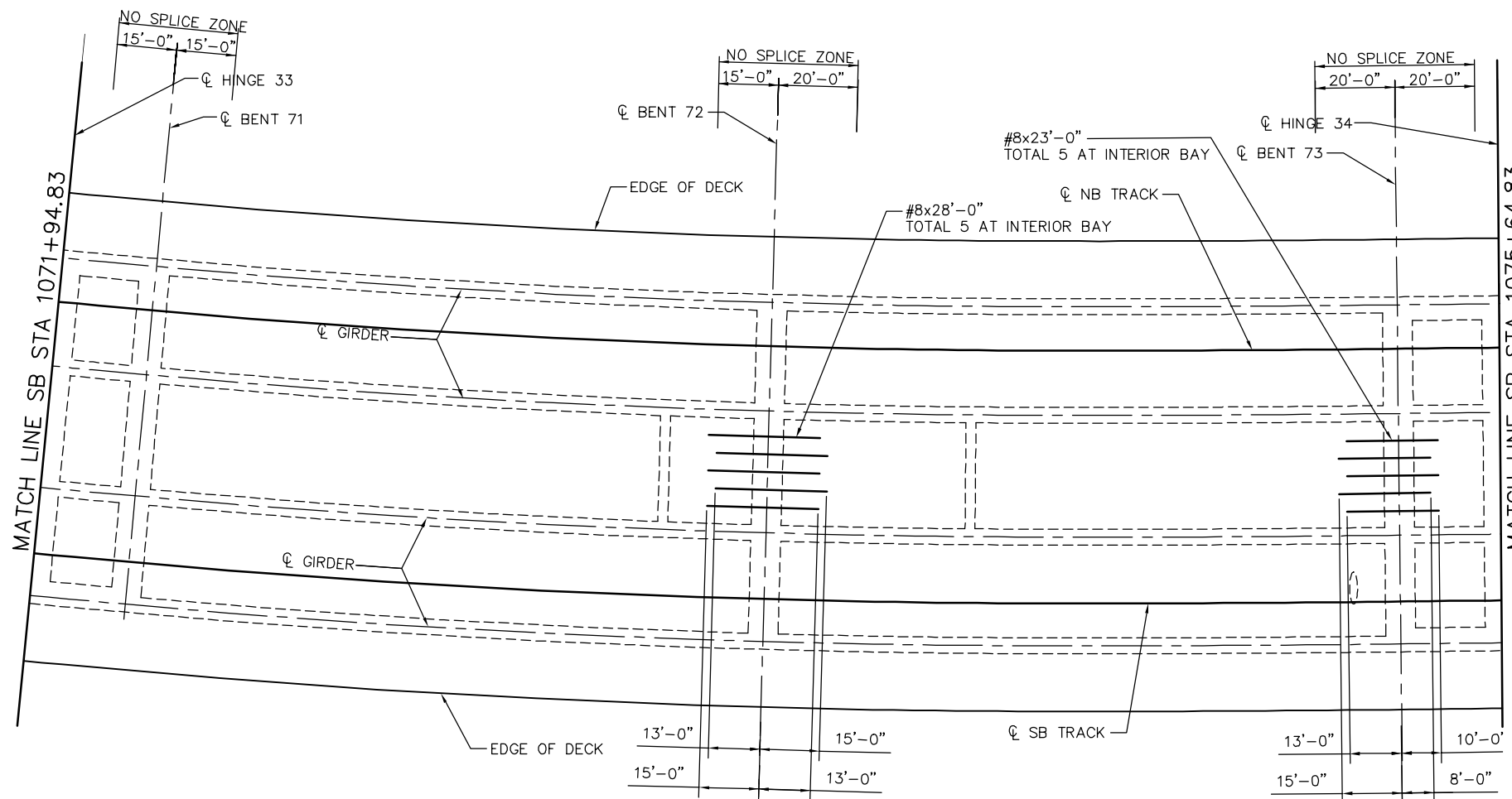
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 33

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR414
REVISION	B



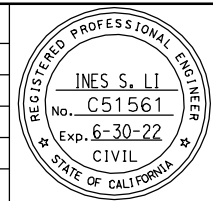
NOTE:
 1. SEE "ADDITIONAL DECK REINFORCEMENT - FRAME 1" SHEET FOR DECK REINFORCING NOTES.

ADDITIONAL DECK REINFORCEMENT - FRAME 34
 NO SCALE

SMH Jun 21, 2020 - 11:06am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR415.dwg

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 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
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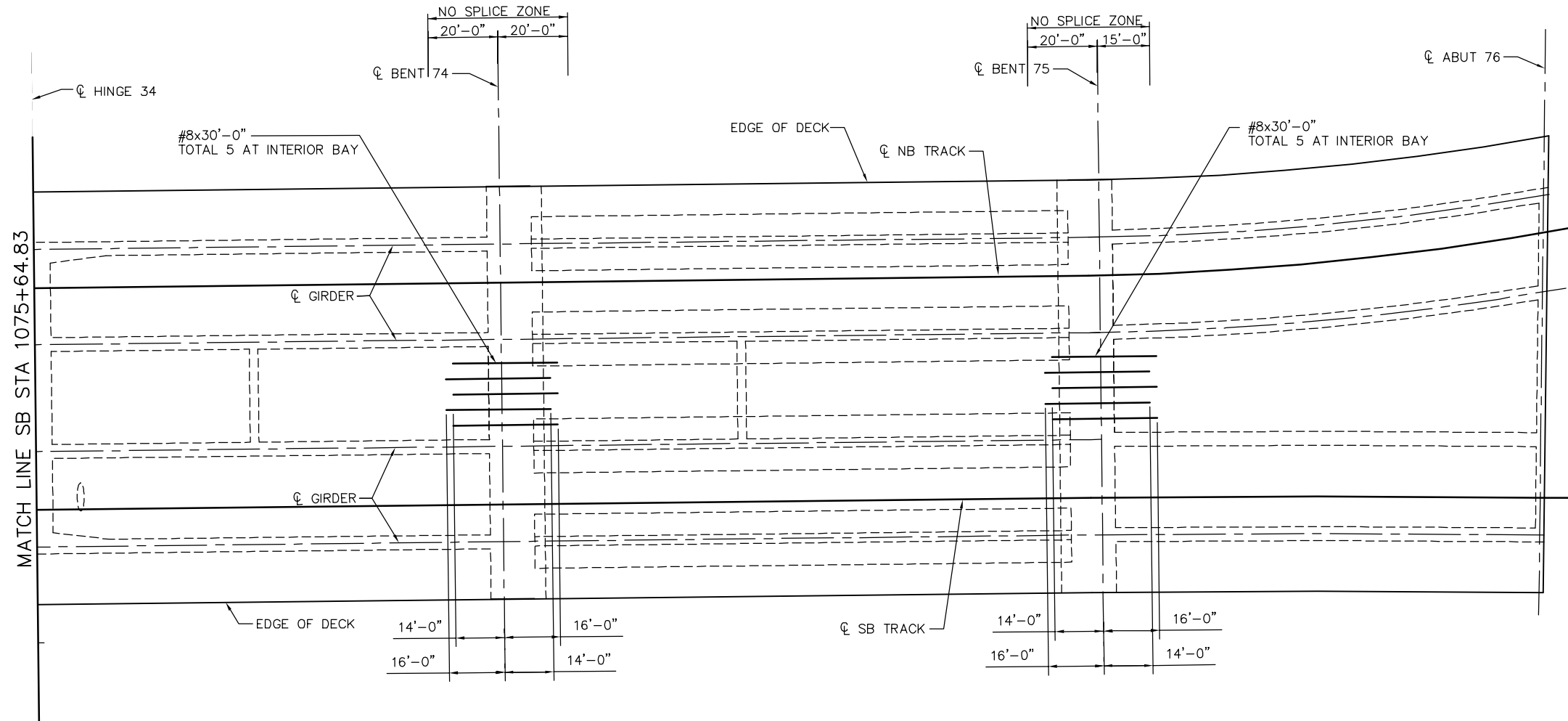
APPROVED

CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 34

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR415
REVISION	B



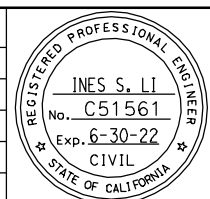
ADDITIONAL DECK REINFORCEMENT – FRAME 35
NO SCALE

NOTE:
1. SEE "ADDITIONAL DECK REINFORCEMENT – FRAME 1" SHEET FOR DECK REINFORCING NOTES.

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CADD FILENAME: 801SR416.dwg

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BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

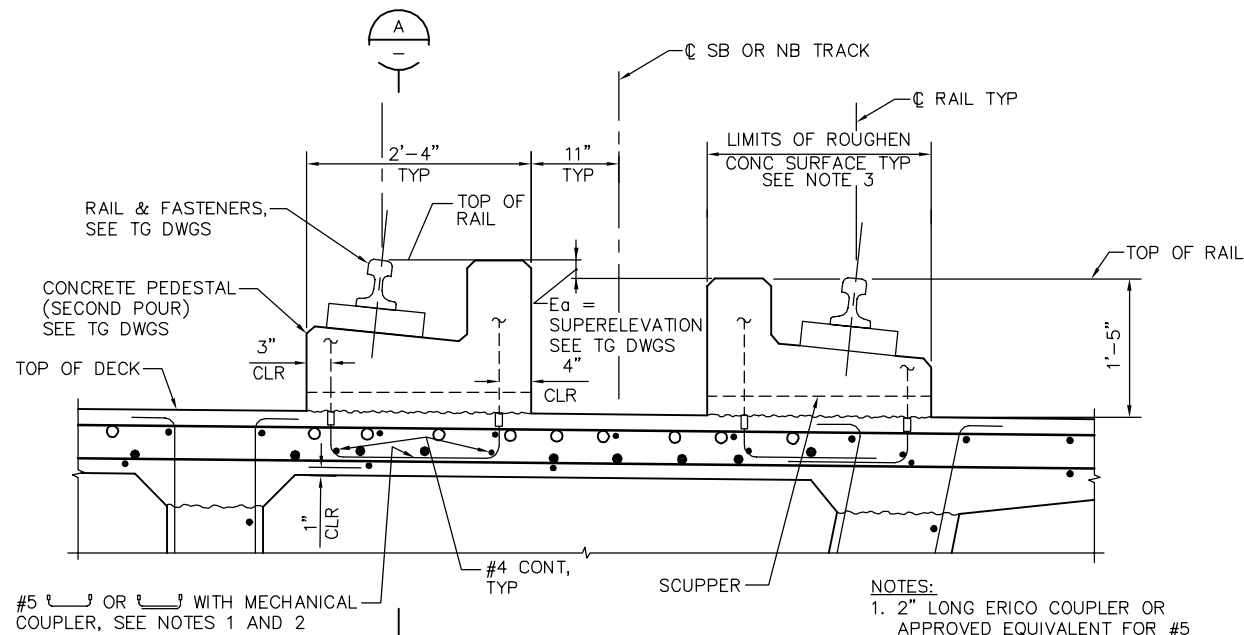
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
ADDITIONAL DECK REINFORCEMENT - FRAME 35

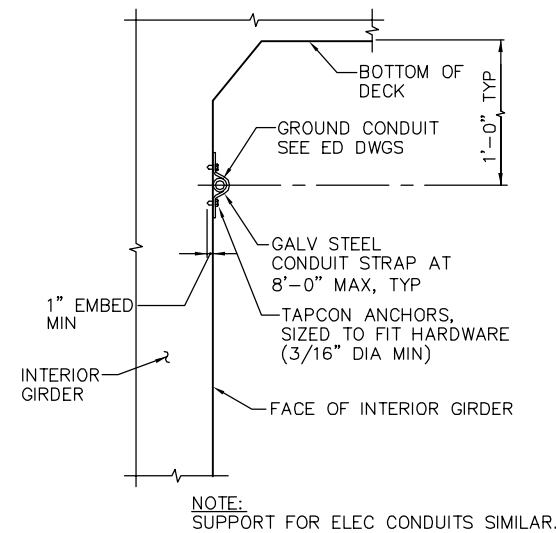
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR416
REVISION	B

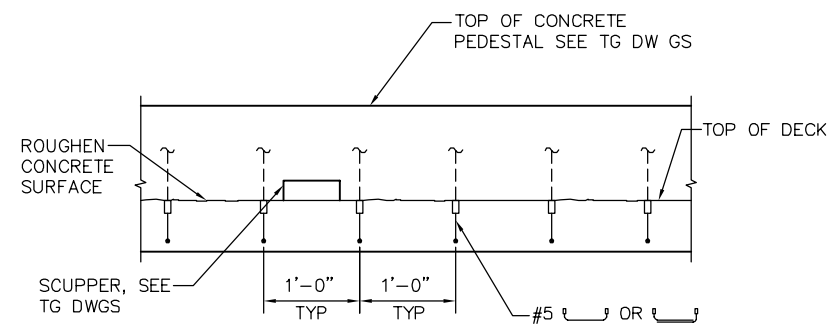


- NOTES:
1. 2" LONG ERICO COUPLER OR APPROVED EQUIVALENT FOR #5 REINF. SPACING TO MATCH TG DWGS.
 2. PLACE COUPLERS AS SHOWN IN TYPICAL SECTION ACROSS BENT CAPS & END DIAPHRAGMS ALSO.
 3. ROUGHEN CONCRETE SURFACE TO A FULL AMPLITUDE OF APPROX 1/4".

1 DETAIL
1" = 1'-0"



2 CONDUIT SUPPORT DETAIL
NTS

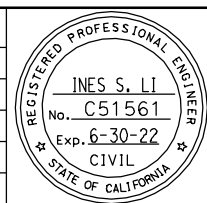


A SECTION
1" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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BIGGS CARDOSA ASSOCIATES INC
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CHECKED: D. DEVLIN
CADD FILENAME: 801SR417.dwg



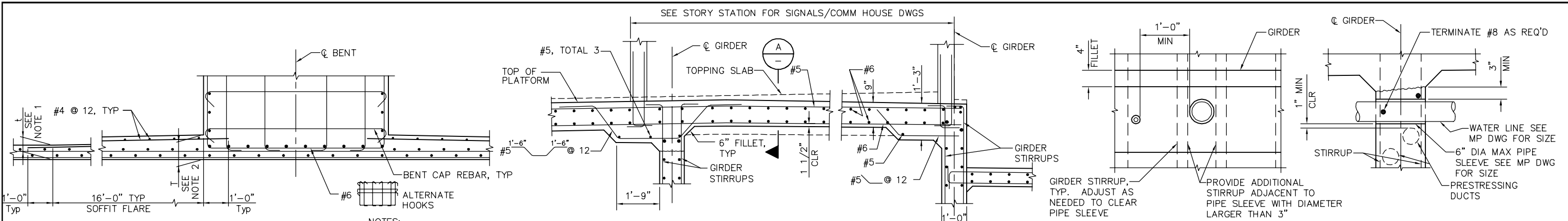
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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY GIRDER DETAILS No. 1		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR417
REVISION	B

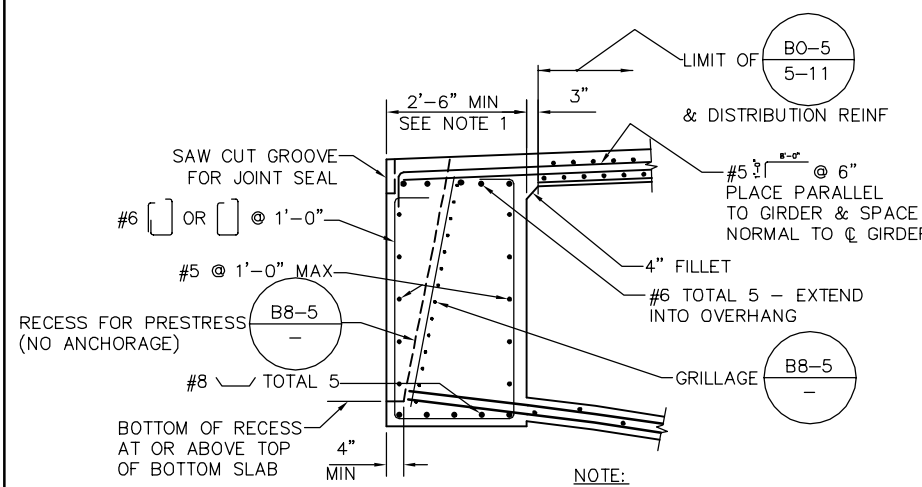


1 DETAIL - TYPICAL SOFFIT FLARE
1/2" = 1'-0"

2 DECK AT SIGNALS/COMM HOUSE DETAIL
1/2" = 1'-0"

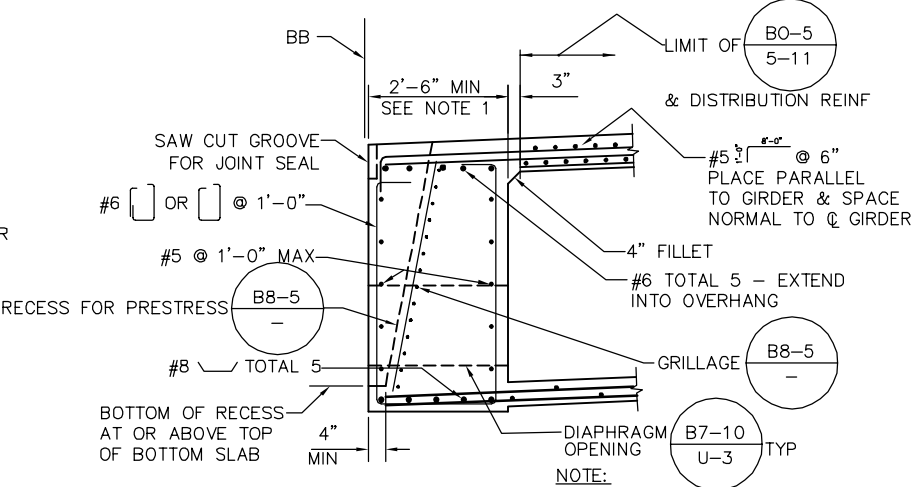
3 DETAIL - PIPE SLEEVE
1" = 1'-0"

NOTES:
1. FOR MIN SOFFIT THICKNESS 't', SEE "TYPICAL SECTION" SHEETS
2. FOR HAUNCHED SOFFIT THICKNESS 'T', SEE 'GIRDER LAYOUT' SHEETS.



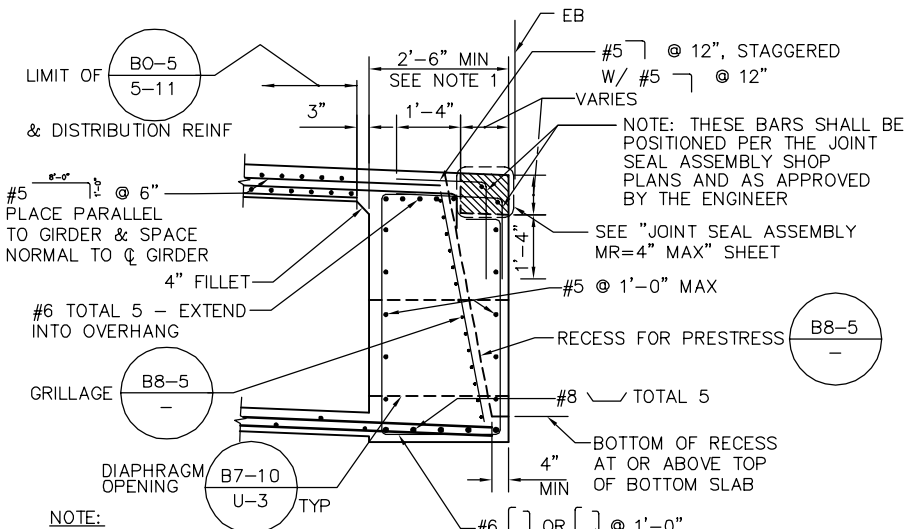
4 DETAIL-END DIAPHRAGM
1/2" = 1'-0"

NOTE:
1. ACTUAL DIMENSION DEPENDS ON PRESTRESSING HARDWARE.



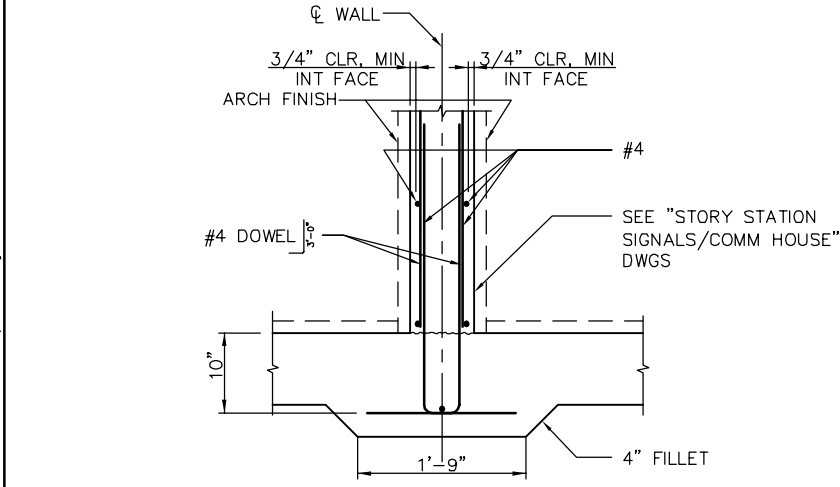
5 DETAIL-END DIAPHRAGM
1/2" = 1'-0"

NOTE:
1. ACTUAL DIMENSION DEPENDS ON PRESTRESSING HARDWARE.



6 DETAIL-END DIAPHRAGM
1/2" = 1'-0"

NOTE:
1. ACTUAL DIMENSION DEPENDS ON PRESTRESSING HARDWARE.



A SECTION
1" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
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408-296-5515

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CADD FILENAME: 801SR418.dwg



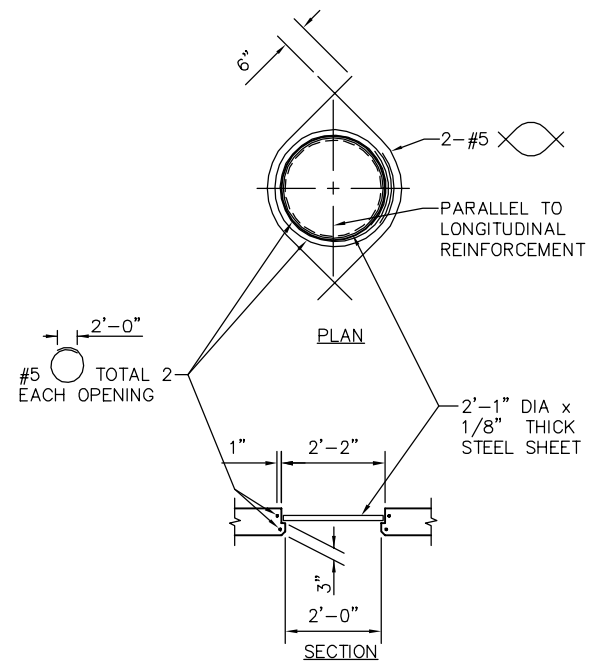
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER DETAILS No. 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

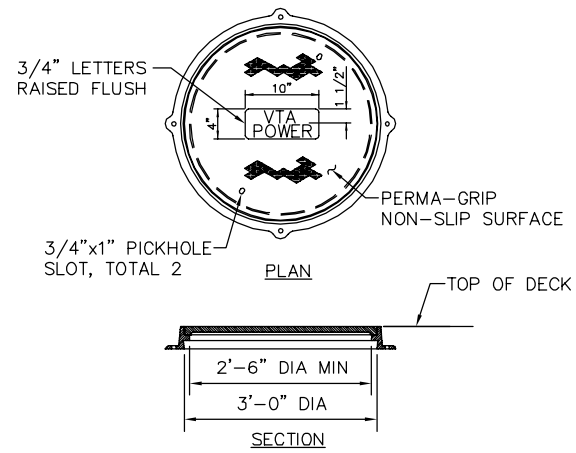
SHEET OF
DRAWING NO. SR418
REVISION B



NOTES:

1. CENTER OPENING BETWEEN GIRDERS.
2. ADJUST REINFORCING TO CLEAR OPENING, PER (A) 1/2" = 1'-0"
3. PLATE MUST BE INSTALLED BEFORE TOP DECK IS PLACED.

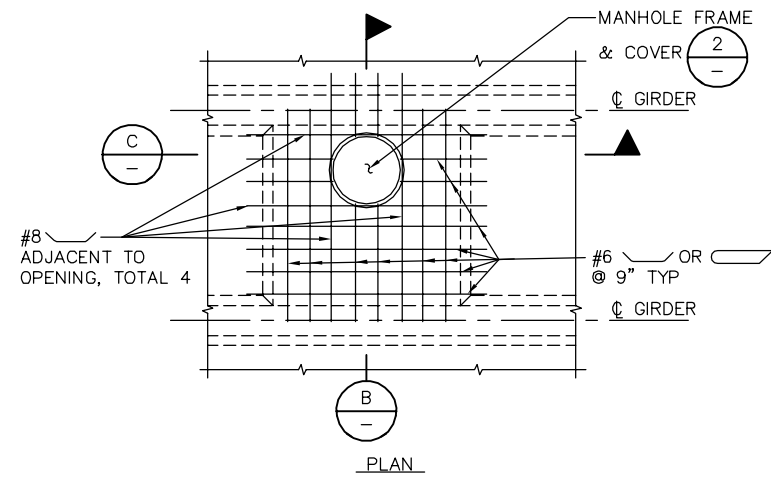
(1) **DETAIL - SOFFIT ACCESS OPENING**
1/2" = 1'-0"



NOTES:

1. THE MANHOLE FRAME AND COVER SHALL BE MADE OF GRAY CAST IRON.
2. ALL PARTS OF THE MANHOLE FRAME AND COVER EXCEPT MACHINED SURFACES SHALL BE COATED WITH ASPHALTUM PAINT.
3. THE MANHOLE FRAME AND COVER SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS BEFORE DELIVERY. THE COVER SHALL FIT THE FRAME SNUGLY BUT NOT TIGHTLY.
4. THE MANHOLE FRAME COVER SHALL BE DESIGNED TO HOLD A MINIMUM LIVE LOAD OF 990 LB/FT².

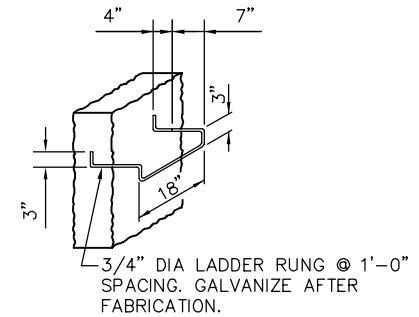
(2) **DETAIL - MANHOLE FRAME & COVER**
NTS



NOTES:

1. ADDITIONAL DECK REINFORCEMENTS PER "ADDITIONAL DECK REINFORCEMENT" SHEETS SHALL CLEAR OPENINGS.
2. CONT * REINFORCEMENT PER "TYPICAL SECTION" SHEETS SHALL CLEAR OPENINGS.
3. FOR ANY DECK REINFORCEMENT DISCONTINUED AT OPENING, PLACE 1/2 OF DISCONTINUED BARS ON EACH SIDE OF OPENING AND EXTEND 4'-0" BEYOND OPENING.
4. FOR MANHOLES LOCATED NEAR ABUTMENTS 1 & 76 SEE "MISCELLANEOUS DETAILS No. 4" SHEET

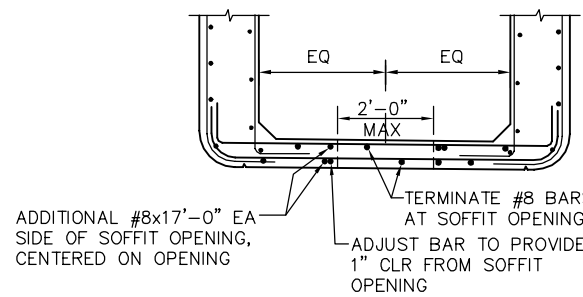
(3) **DETAIL - DECK MANHOLE OPENING**
NTS



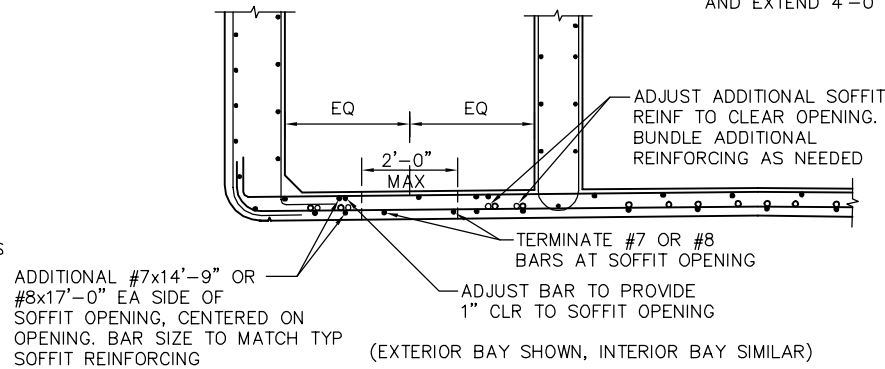
(4) **DETAIL - LADDER RUNG**
NTS

NOTES:

1. ADDITIONAL SOFFIT REINFORCEMENT PER "ADDITIONAL SOFFIT REINFORCEMENT" SHEETS SHALL CLEAR OPENINGS.
2. CONT * REINFORCEMENT PER "TYPICAL SECTION" SHEETS SHALL CLEAR OPENINGS.
3. FOR ANY SOFFIT REINFORCEMENT DISCONTINUED AT OPENING, PLACE 1/2 OF DISCONTINUED BARS ON EACH SIDE OF OPENING AND EXTEND 4'-0" BEYOND OPENING.

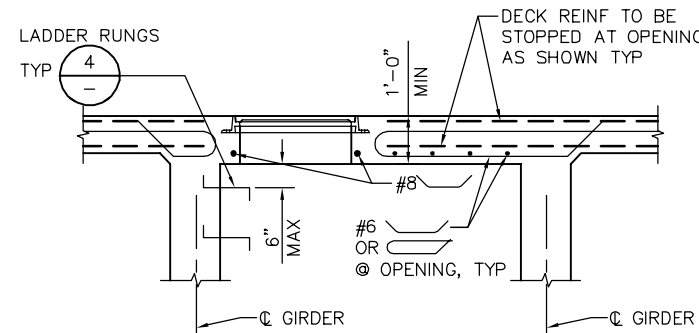


DETAIL AT SPLIT STRUCTURE

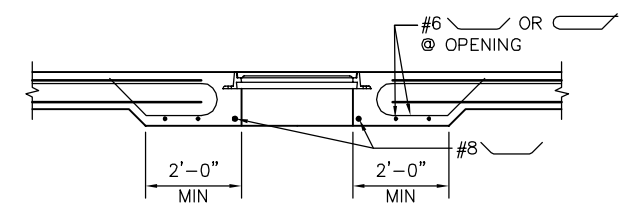


DETAIL AT SINGLE STRUCTURE

(A) **SECTION**
1/2" = 1'-0"



(B) **SECTION**
NTS

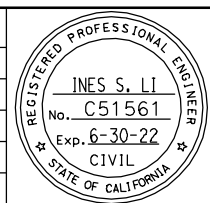


(C) **SECTION**
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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DESIGNED: D. CHAN
CHECKED: D. DEVLIN
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CADD FILENAME: 801SR419.dwg

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Authority

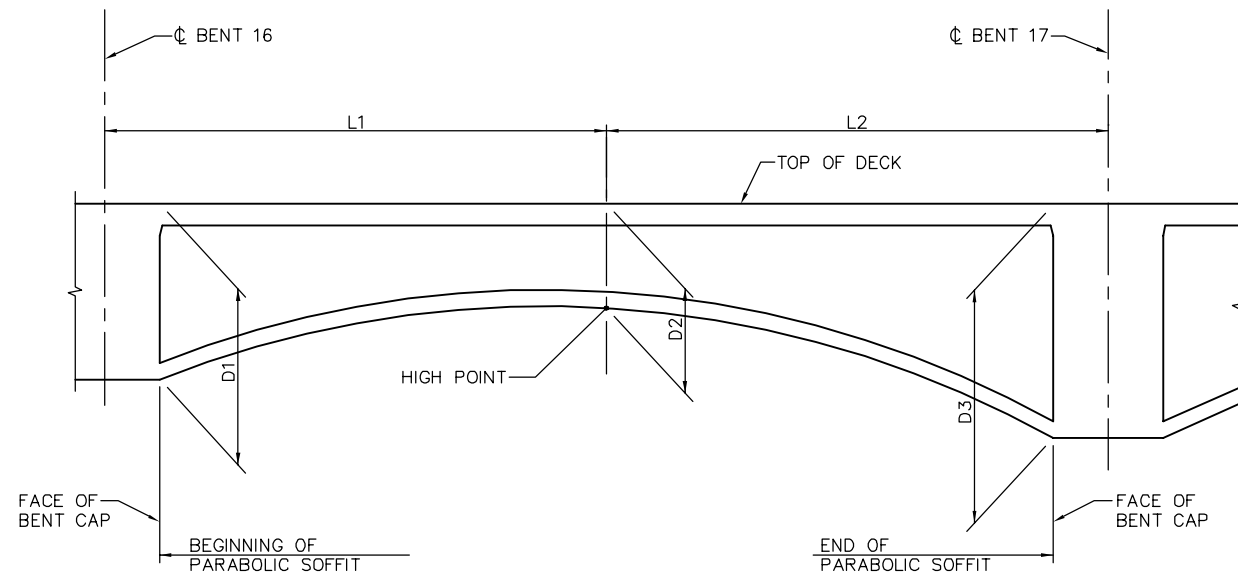
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20
SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER DETAILS No. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

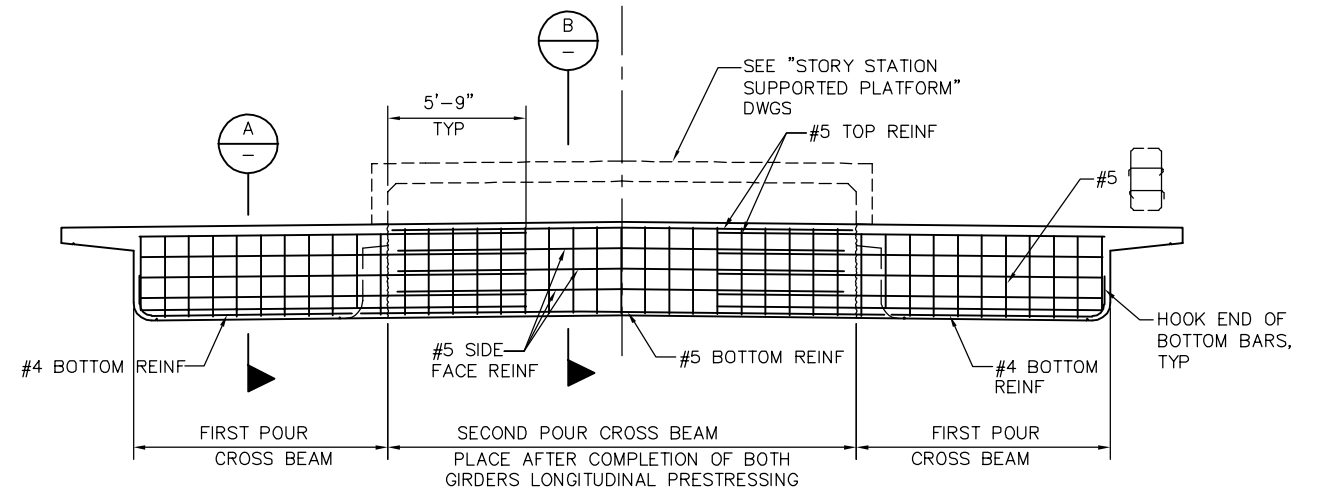
SHEET	OF
DRAWING NO. SR419	REVISION B



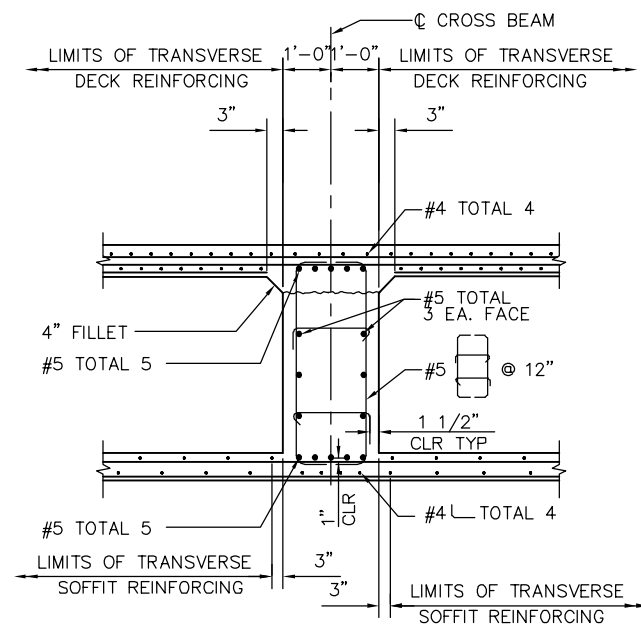
SPAN 16 SHOWN,
SPANS 17, 18, 45, 46 & 47 SIMILAR

1
-
NTS
PARABOLIC SOFFIT DETAIL

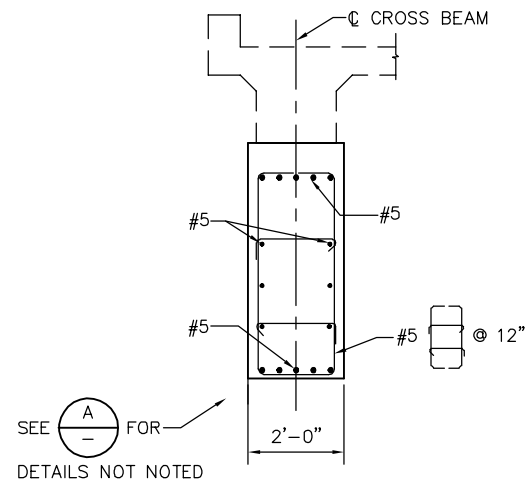
- D1 & D3 = GIRDER DEPTHS MEASURED AT FACE OF BENT CAPS AS INDICATED ON 'STRUCTURE PLAN' SHEETS
- D2 = GIRDER DEPTHS MEASURED AT HIGH POINT OF PARABOLA AS INDICATED ON 'STRUCTURE PLAN' SHEETS
- L1 & L2 = DISTANCE FROM C BENT TO HIGH POINT OF PARABOLA. SEE "STRUCTURE PLAN" SHEETS FOR L1 OR L2 DIMENSIONS.



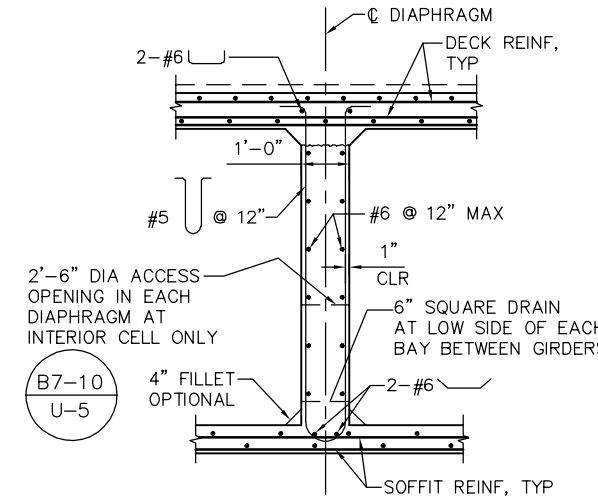
2
-
1/4" = 1'-0"
DETAIL AT CROSS BEAM



A
-
1/2" = 1'-0"
SECTION INSIDE BOX GIRDER

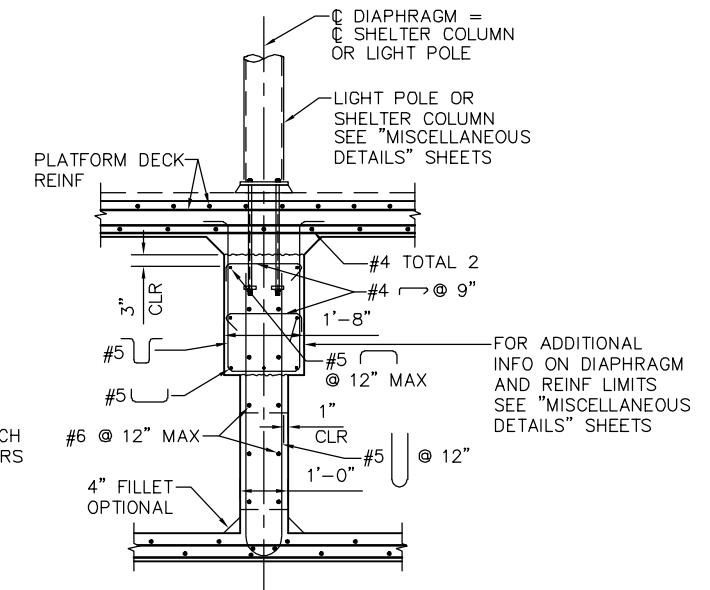


B
-
1/2" = 1'-0"
SECTION OUTSIDE BOX GIRDER



TYPICAL DIAPHRAGM

C
-
NTS
INTERMEDIATE DIAPHRAGM

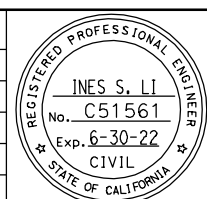


WHERE LIGHT POLE OR SHELTER COLUMN OCCURS

JCL Jun 22, 2020 - 2:22pm W:\2017\2017103\CARTOL_AERIAL_GUIDEWAY\801SR420.dwg

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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CADD FILENAME: 801SR420.dwg

BCA



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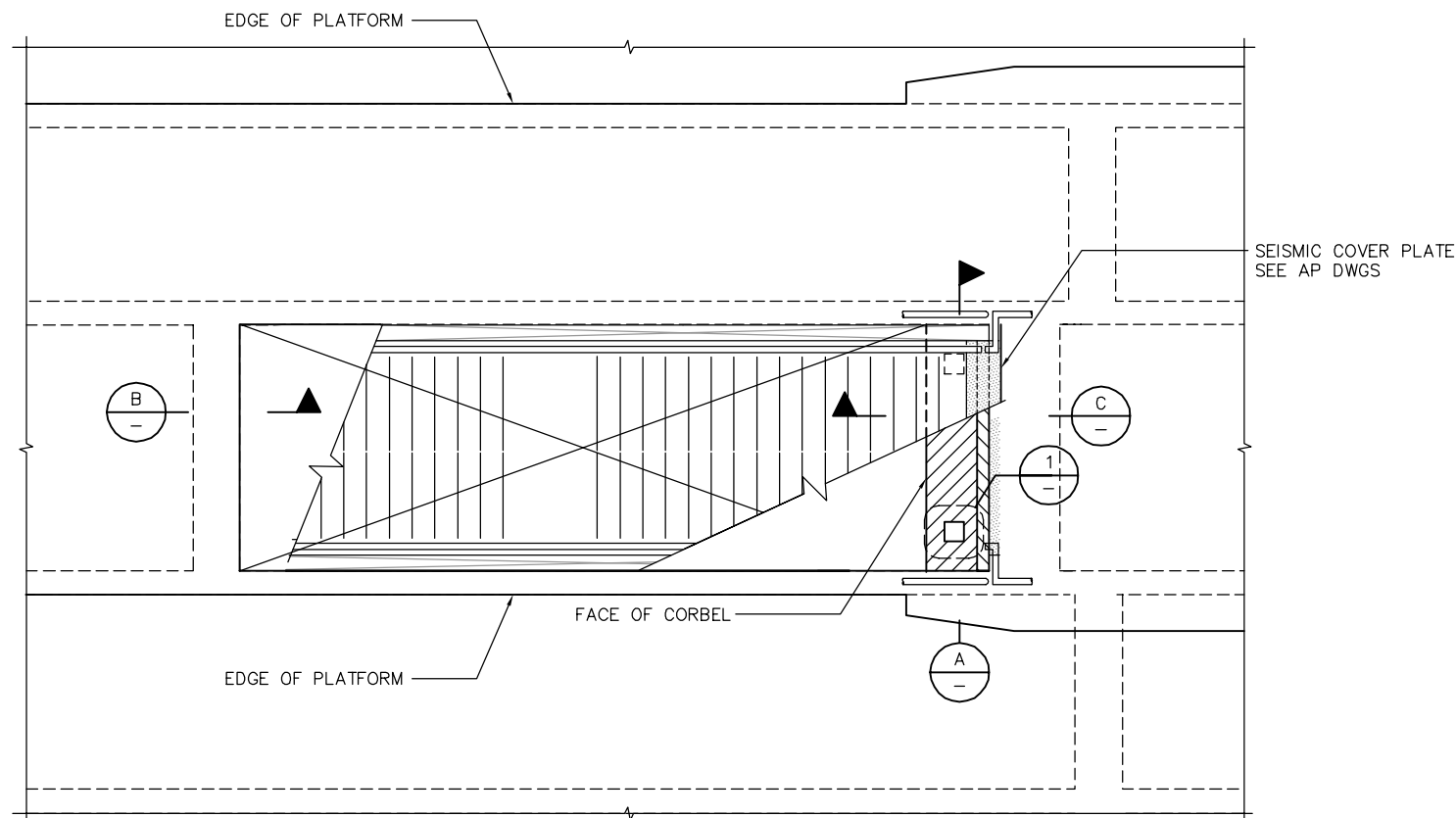
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER DETAILS No. 4

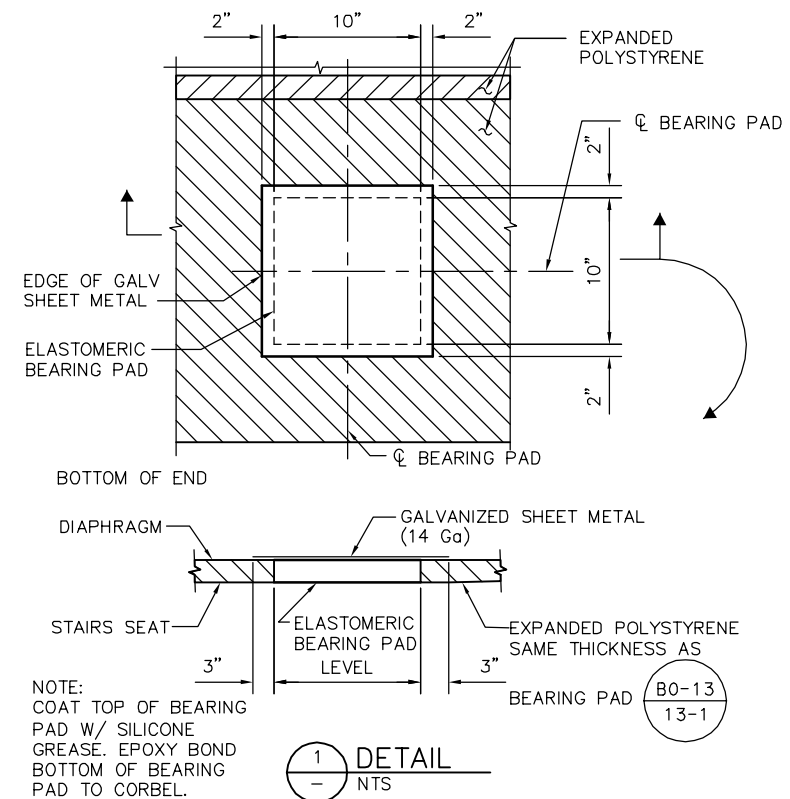
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

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DRAWING NO. SR420	REVISION B

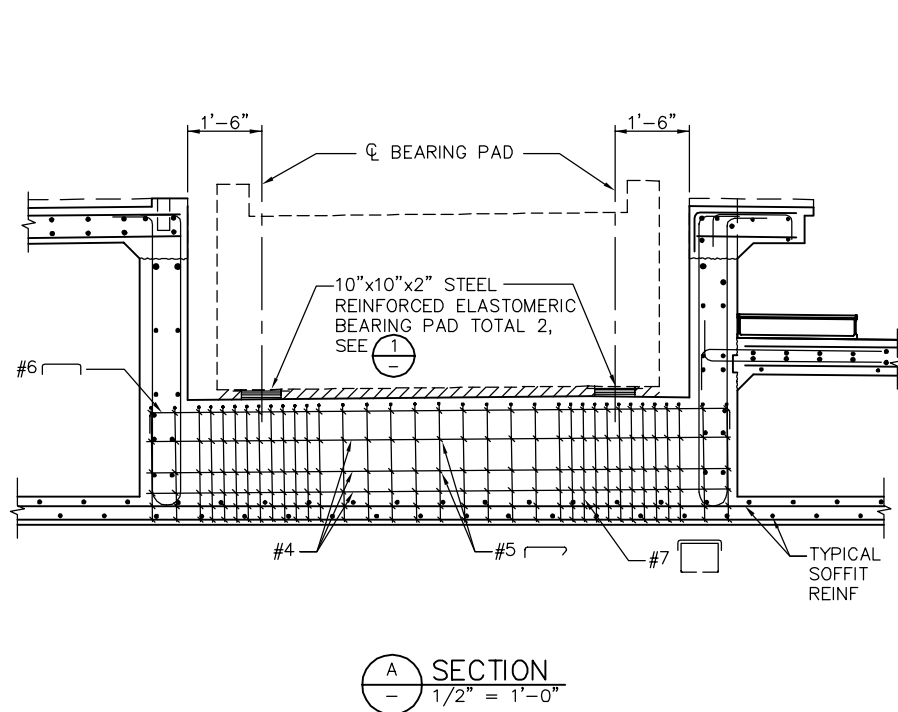


NOTE:
NORTH MEDIAN ACCESS STRUCTURE STAIRCASE SUPPORT AT FRAME 8

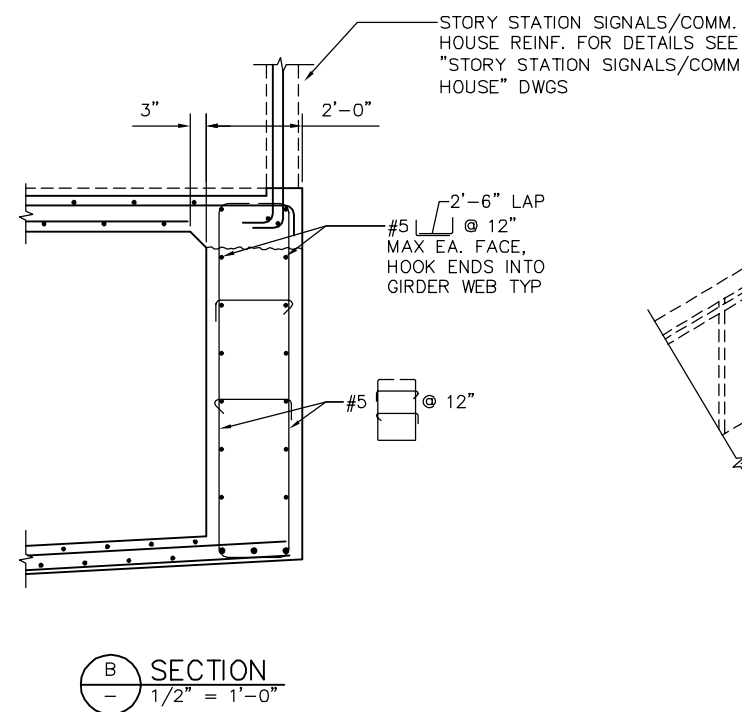
PLAN VIEW
1/4" = 1'-0"



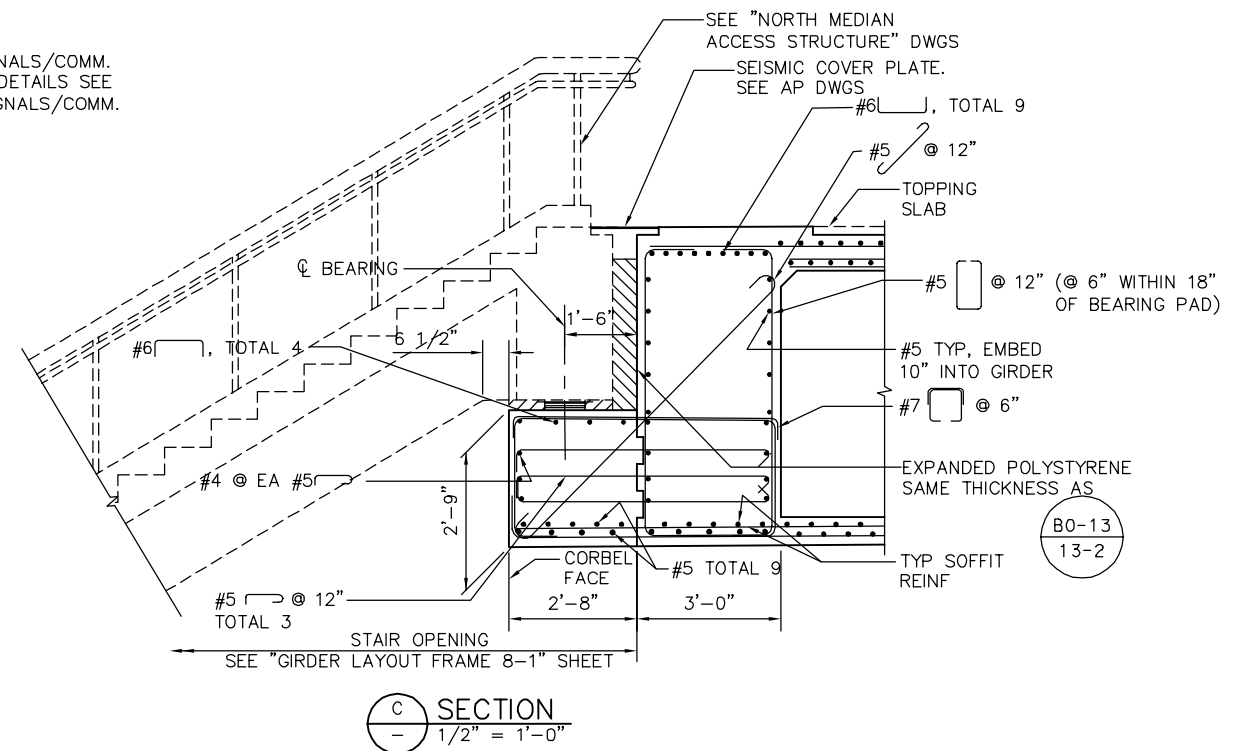
1
-
NTS



A
-
SECTION
1/2" = 1'-0"



B
-
SECTION
1/2" = 1'-0"

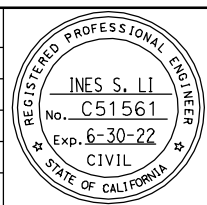


C
-
SECTION
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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CADD FILENAME
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05/18/20

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SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

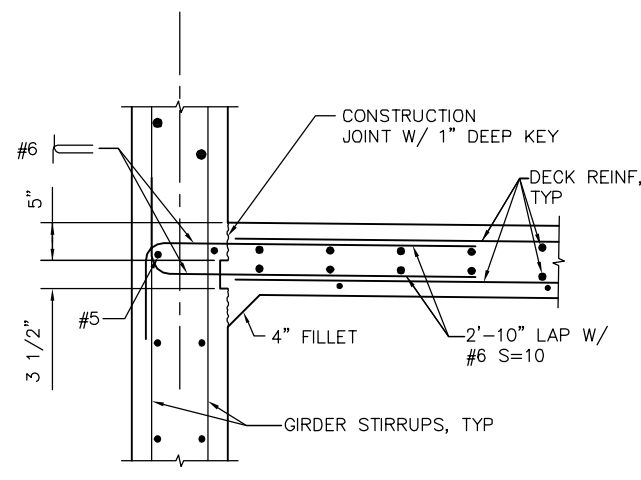
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER DETAILS No. 5

PCA NO. 000

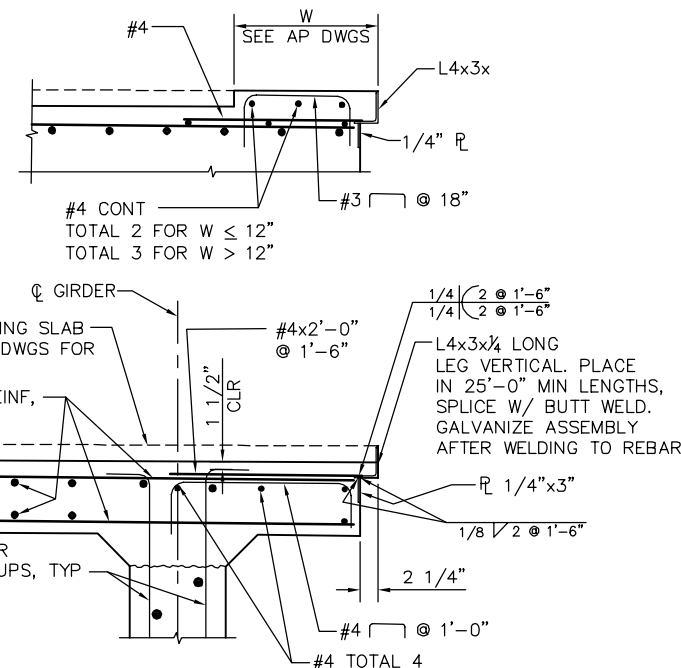
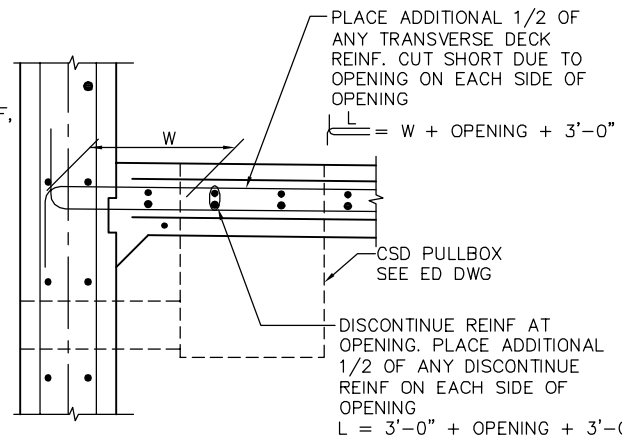
CONTRACT NO. C801

FILE LOCATION PROJECTWISE

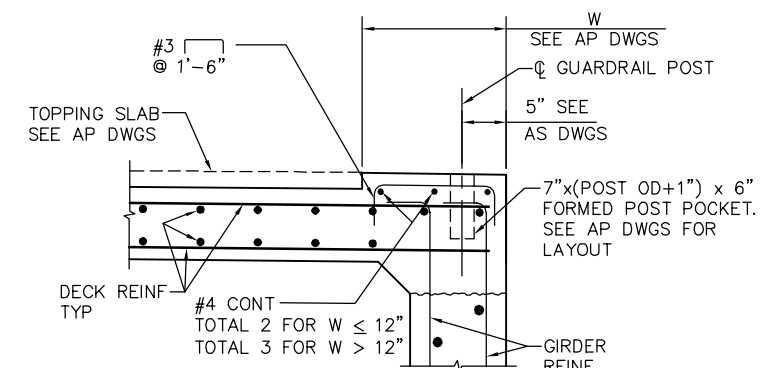
SHEET OF	
DRAWING NO.	SR421
REVISION	A



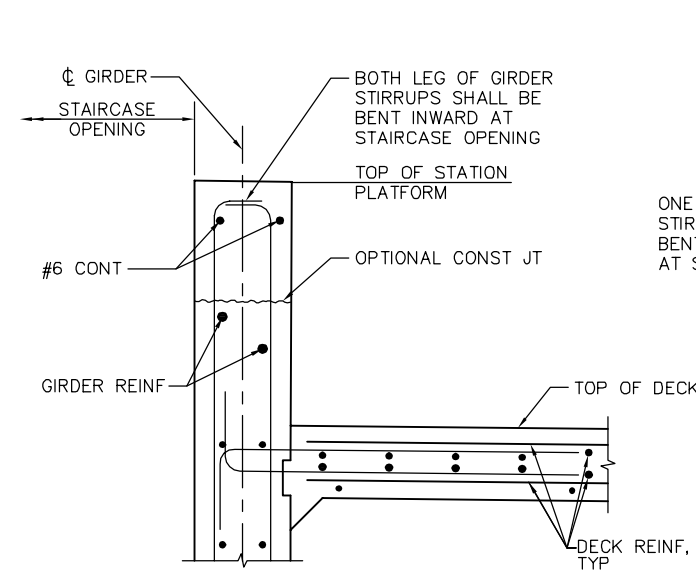
1 DETAIL
1" = 1'-0"



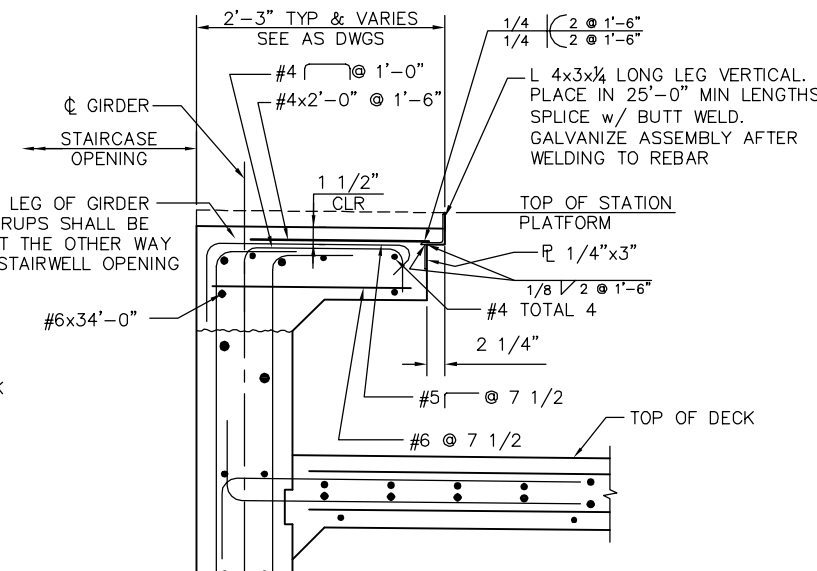
2 DECK OVERHANG DETAIL
1" = 1'-0"



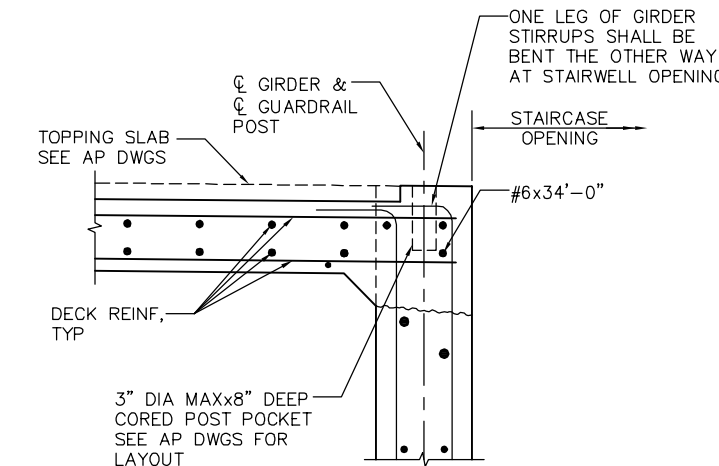
3 DETAIL
1" = 1'-0"



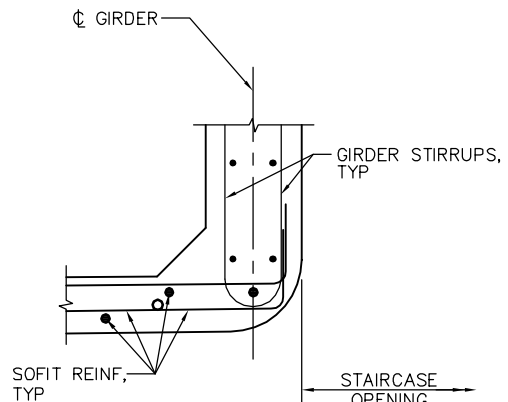
4 DETAIL
1" = 1'-0"



5 DETAIL
1" = 1'-0"



6 DETAIL
1" = 1'-0"

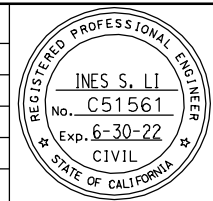


7 DETAIL
1" = 1'-0"

SMH Jun 21, 2020 - 11:09am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\01SR422.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR422.dwg

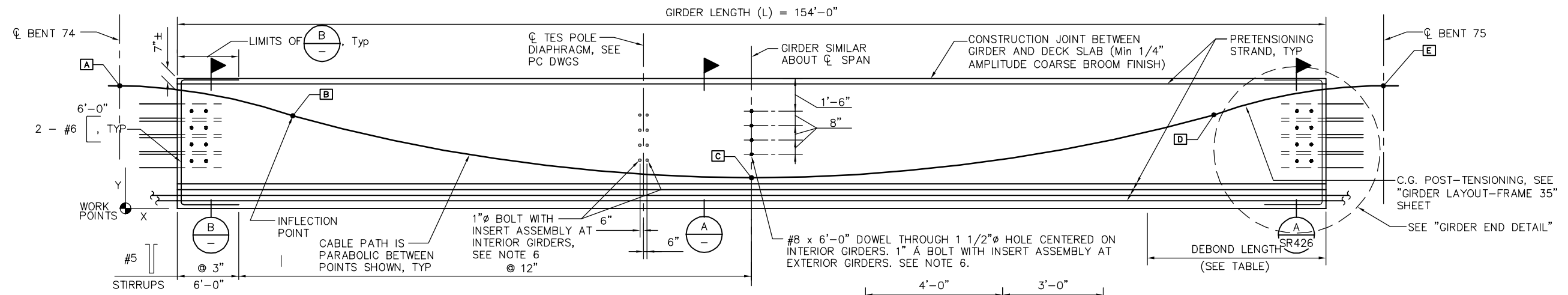
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
GIRDER DETAILS No. 6

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

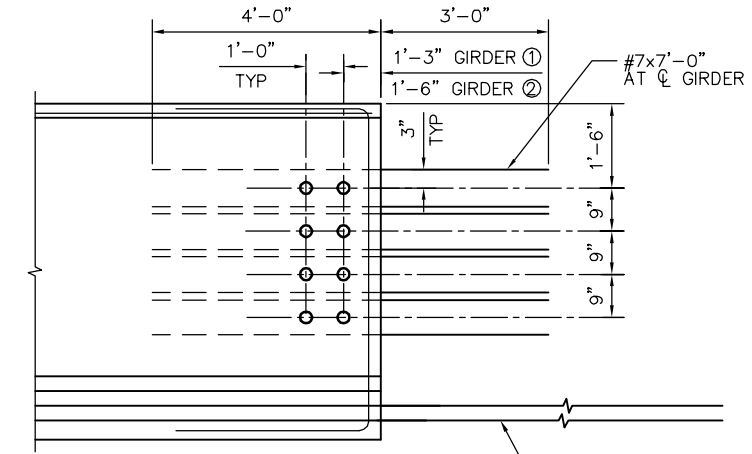
SHEET OF	
DRAWING NO.	SR422
REVISION	A



ELEVATION
NTS

GIRDER DESIGNATION	GIRDER LENGTH (L)	GIRDER DEPTH (D)	NUMBER OF 0.6" Ø STRANDS	JACKING FORCE (P)	CONCRETE STRENGTH (ksi)		MIDSPAN DEAD LOAD DEFLECTION (in)	
					f'ci	f'c	DECK	RAIL
GIRDER ①	154'-0"	6'-0"	64	2812 kips (43.94 kips/STRAND)	6.5	9	-2.4	0.0
GIRDER ②	154'-0"	6'-0"	64	2812 kips (43.94 kips/STRAND)	6.5	9	-2.4	0.0

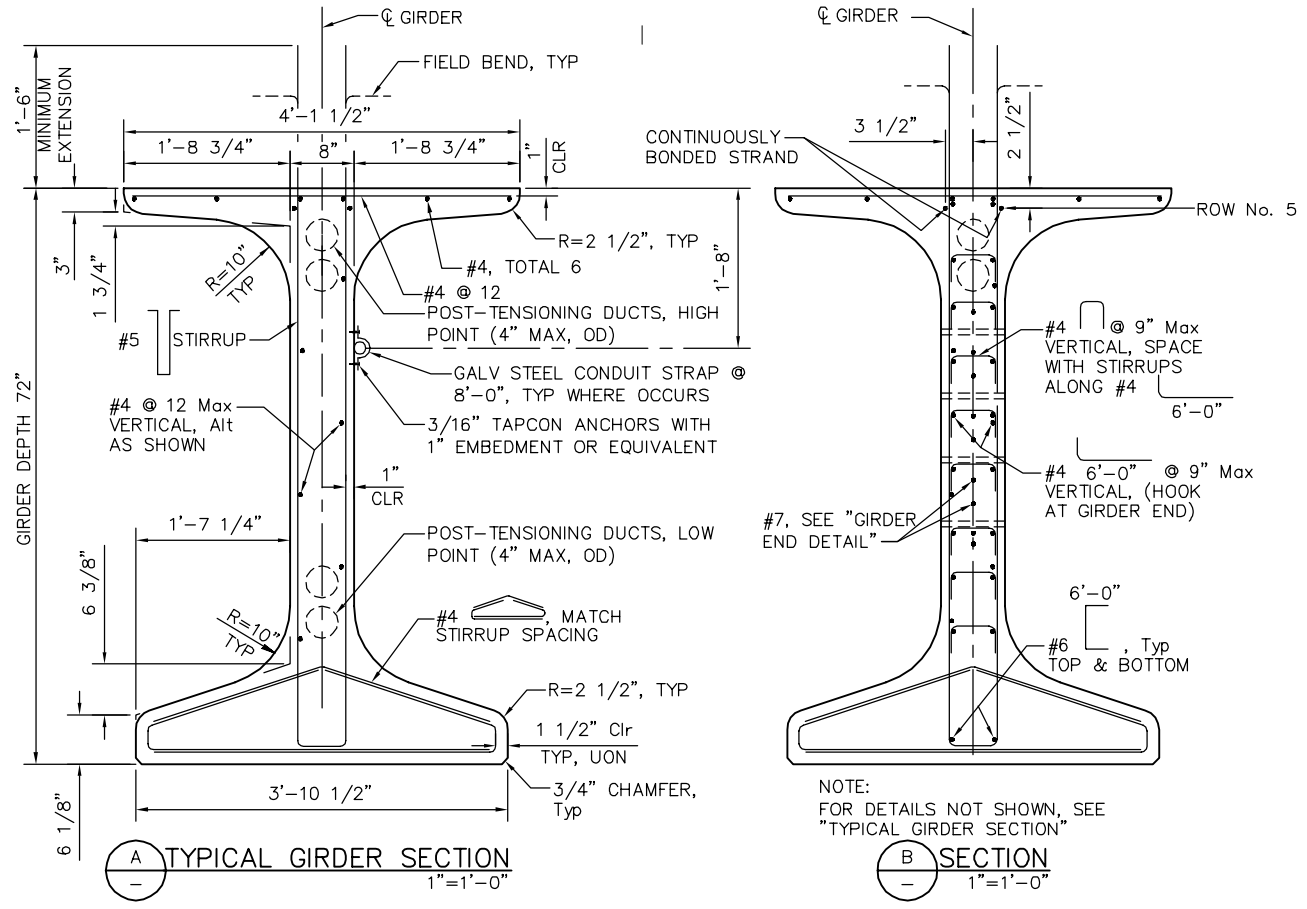
FOR GIRDERS ① & ② DESIGNATION, SEE "GIRDER LAYOUT - FRAME 35" SHEET



GIRDER END DETAIL
NTS

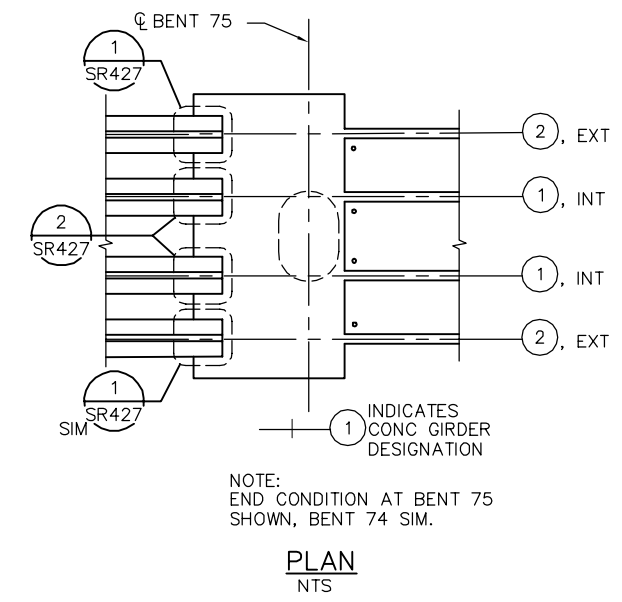
C.G. POST-TENSIONING COORDINATES		
POINT	X (FT)	Y (FT)
A	0	5.583
B	17.2	4.859
C	86	1.75
D	154.8	4.859
E	172	5.583

- NOTES
- THE JACKING FORCE (P) IS THE JACKING FORCE REQUIRED AT THE POINT OF CONTROL ALONG THE SPAN. THE JACKING FORCE DOES NOT INCLUDE ANY SPECIFIC FABRICATION LOSSES.
 - CONCRETE STRENGTH:
f'ci IS AT TIME OF INITIAL STRESSING
f'c IS AT 28 DAYS
 - DEFLECTION COMPONENTS ARE INFORMATIONAL ONLY AND WILL BE USED TO SET SCREED LINE ELEVATIONS.
 - SCREED LINE ELEVATIONS FOR DECK CONCRETE WILL BE DETERMINED BY THE ENGINEER.
 - PRESTRESSING STRAND SHALL BE 0.6" Ø 270 ksi LOW RELAXATION.
 - FOR "INSERT ASSEMBLY" DETAIL, SEE "PC POST TENSIONED WIDE FLANGE GIRDER DETAILS No. 2" SHEET.
 - EXTEND POST-TENSIONING DUCTS BEYOND END OF GIRDER 6", TYP.



A TYPICAL GIRDER SECTION
1"=1'-0"

B SECTION
1"=1'-0"

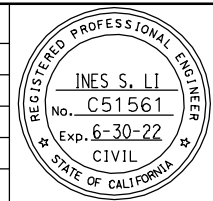


PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:09am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\01_SRA425.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR425.dwg

Santa Clara Valley
Transportation
Authority

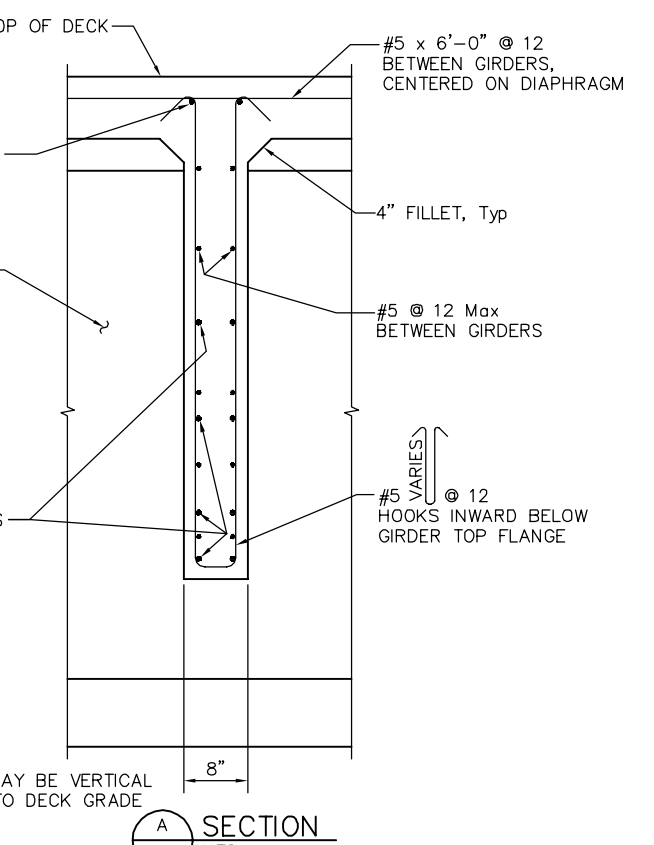
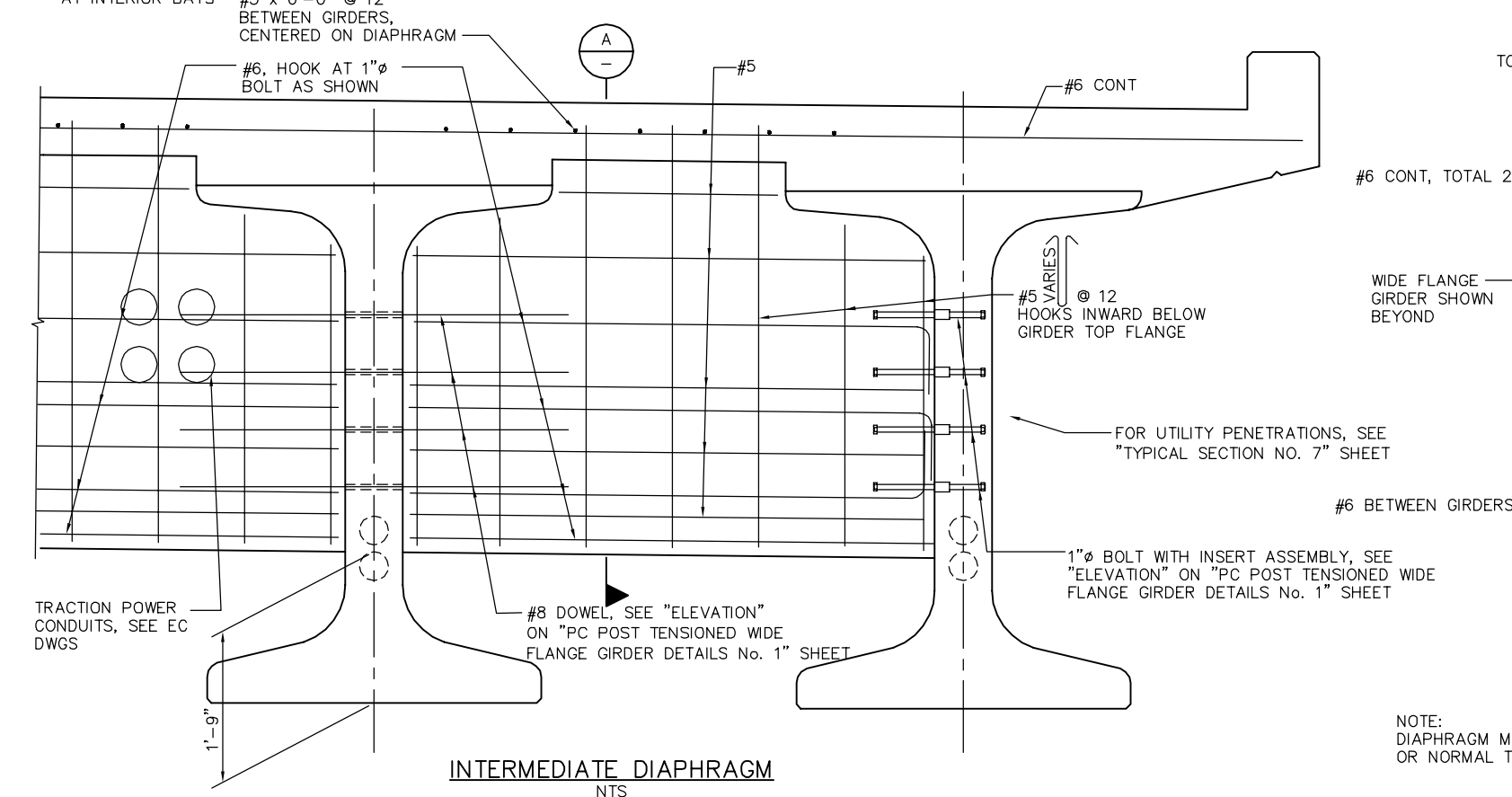
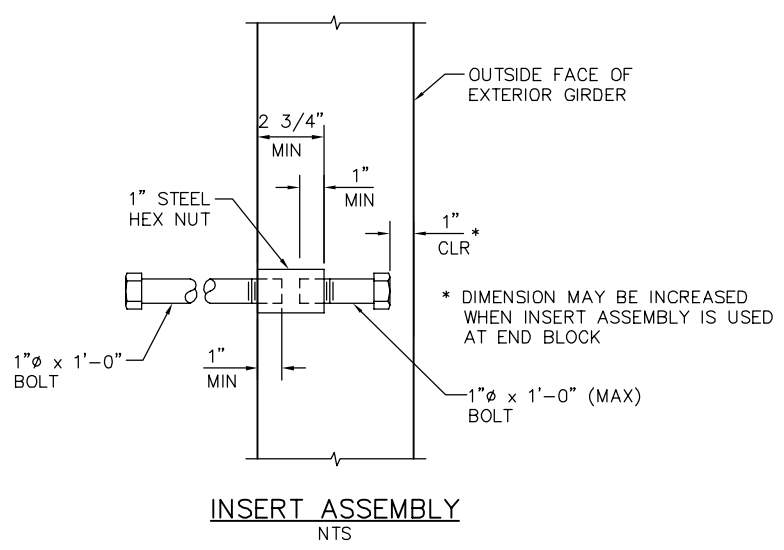
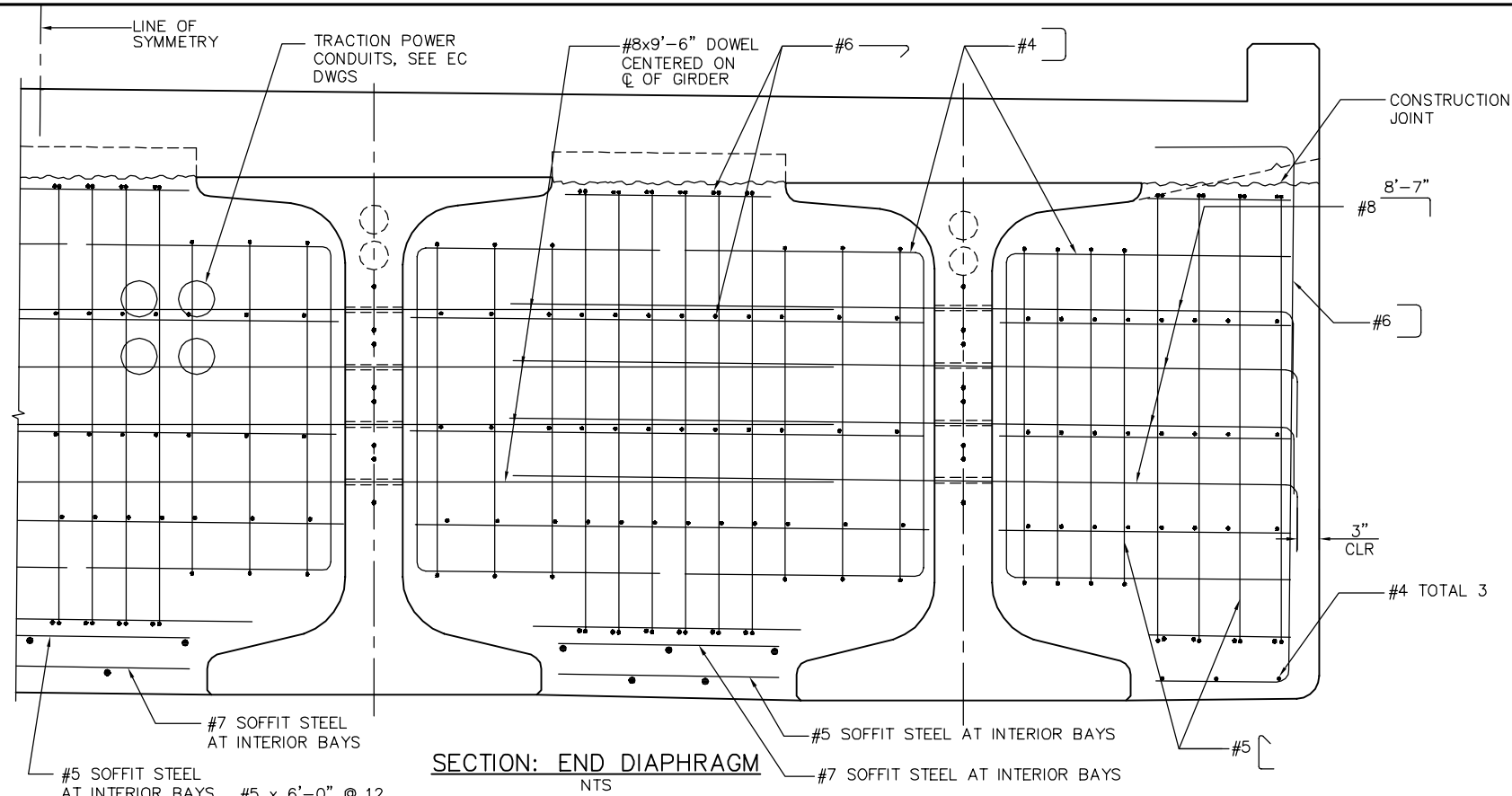
APPROVED
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
PC POST TENSIONED WIDE FLANGE GIRDER DETAILS No.1

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

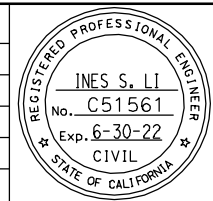
SHEET	OF
DRAWING NO. SR425	REVISION B



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:10am W:\2017\103\CAPITOL_SERIAL_GUIDEWAY\801SR426.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SR426.dwg



APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
06/03/20

SCALE
NTS

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

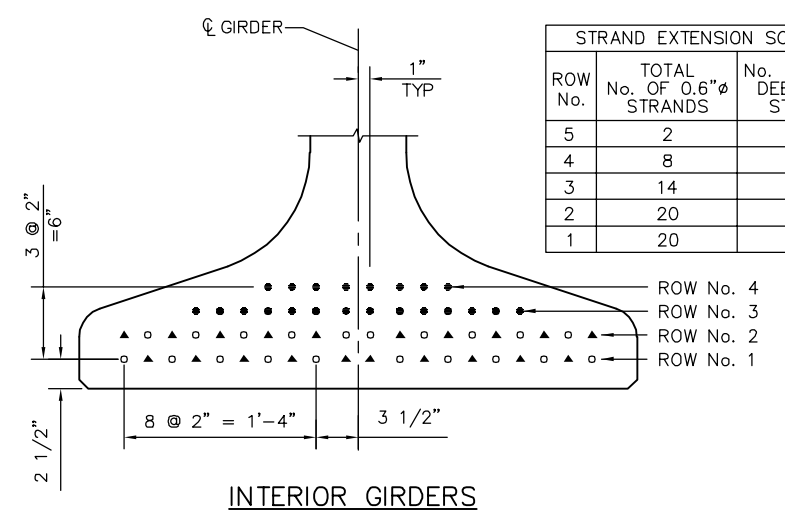
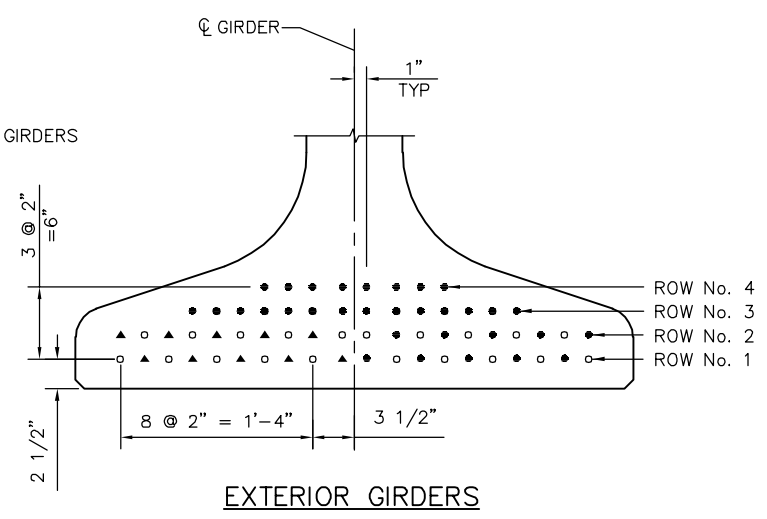
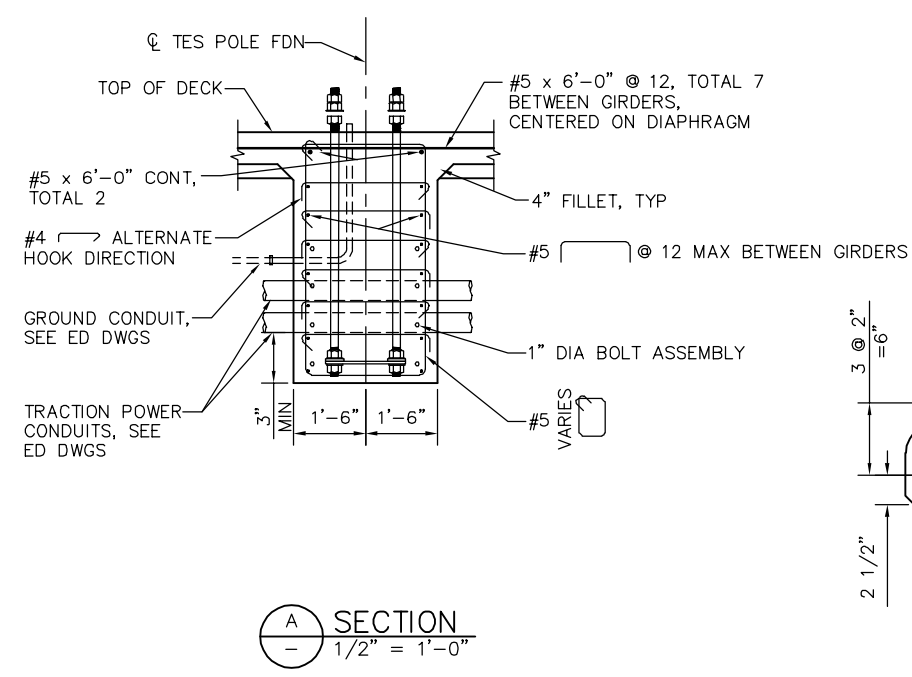
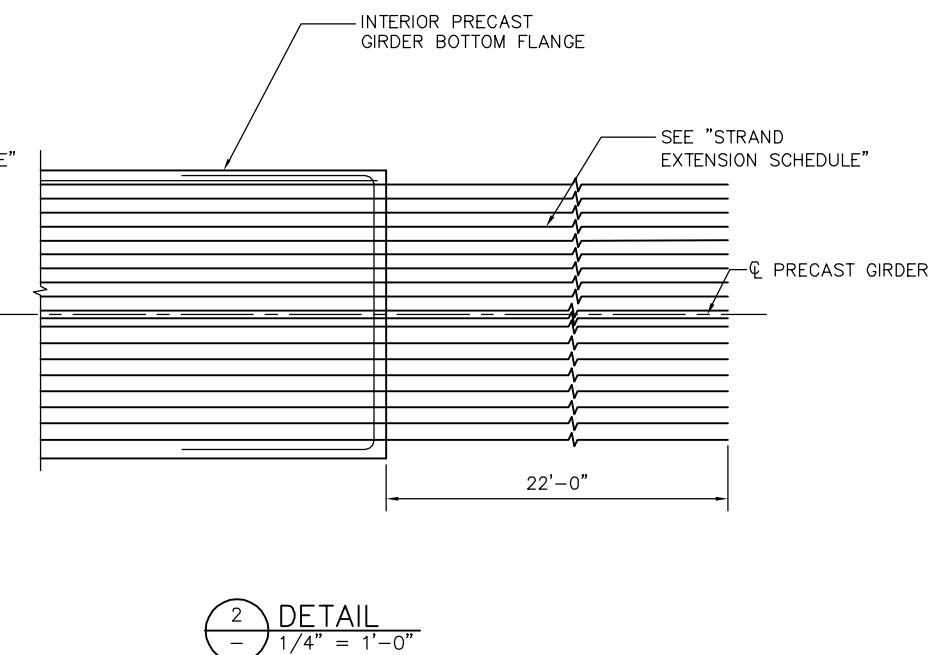
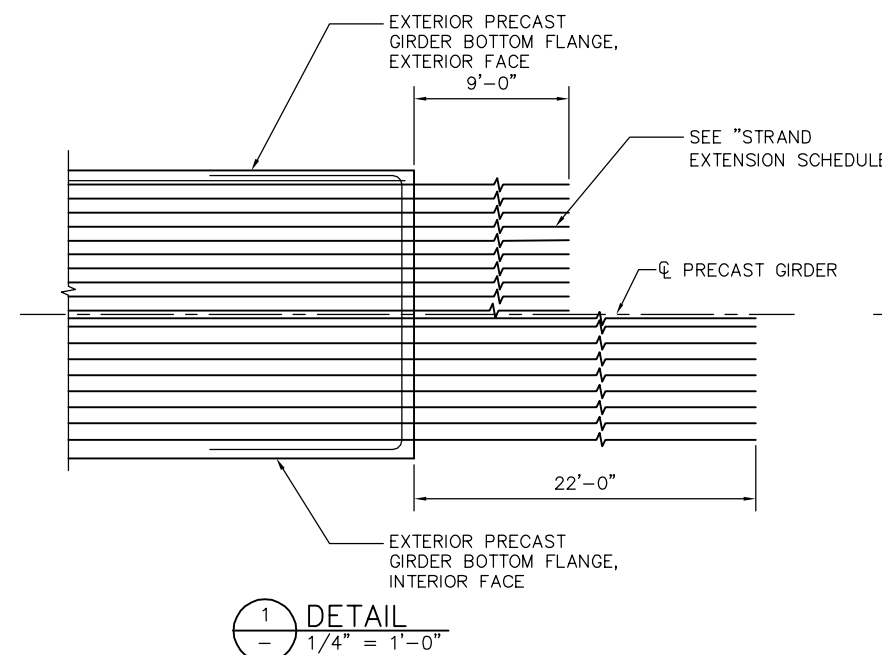
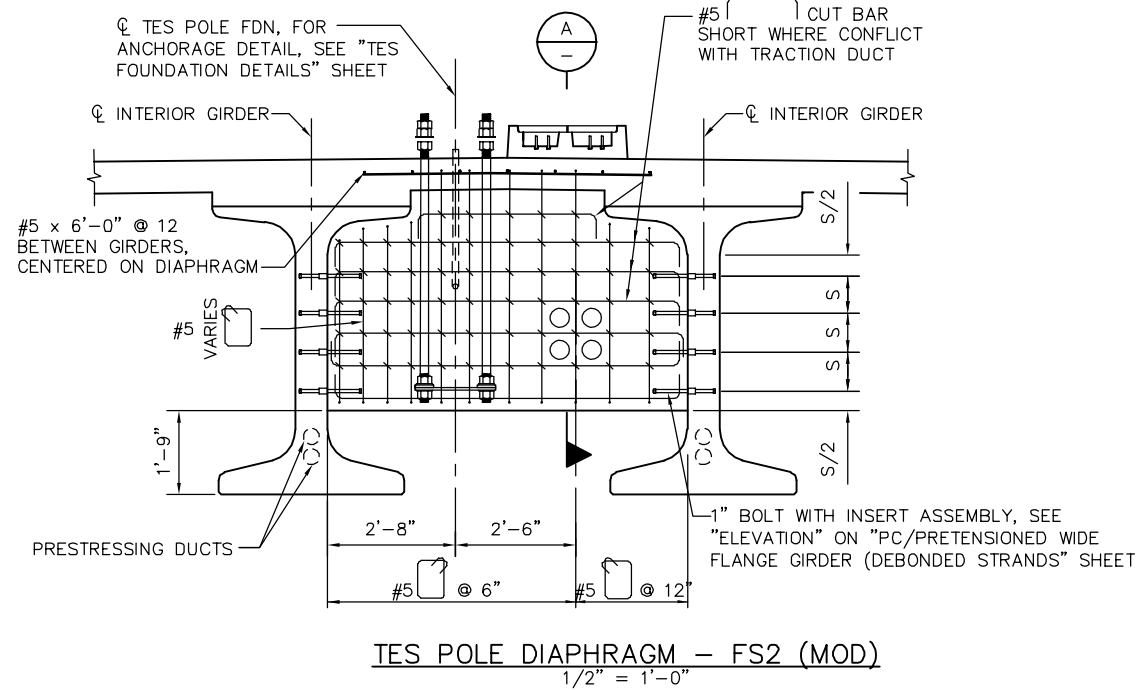
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
PC POST TENSIONED WIDE FLANGE GIRDER DETAILS No.2

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET	OF
DRAWING NO. SR426	REVISION B



STRAND TEMPLATE & BOND PATTERN
NTS

- STRAND TEMPLATE NOTES:**
- ▲ DENOTES CONTINUOUSLY BONDED AND EXTENDED STRAND LOCATION
 - DENOTES CONTINUOUSLY BONDED STRAND LOCATION
 - DENOTES PERMISSIBLE DEBONDED STRAND LOCATION

STRAND EXTENSION SCHEDULE GIRDERS ① AND ②, INT.

ROW No.	TOTAL No. OF 0.6"Ø STRANDS	No. OF 0.6"Ø DEBONDED STRANDS	DEBONDED LENGTH (FT)	No. OF 0.6"Ø EXTENDED STRANDS
5	2	0	0	0
4	8	0	0	0
3	14	0	0	0
2	20	10	10	10
1	20	10	25	10

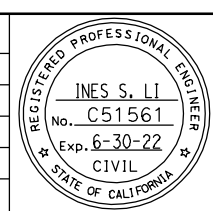
STRAND EXTENSION SCHEDULE GIRDERS ① AND ②, EXT.

ROW No.	TOTAL No. OF 0.6"Ø STRANDS	No. OF 0.6"Ø DEBONDED STRANDS	DEBONDED LENGTH (FT)	No. OF 0.6"Ø EXTENDED STRANDS
5	2	0	0	0
4	8	0	0	0
3	14	0	0	0
2	20	10	10	5
1	20	10	25	5

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 2:22pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR427.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: **D. CHAN**
CHECKED: **D. DEVLIN**
DRAWN: **S. HICKEY**
CADD FILENAME: **801SR427.dwg**

Santa Clara Valley Transportation Authority

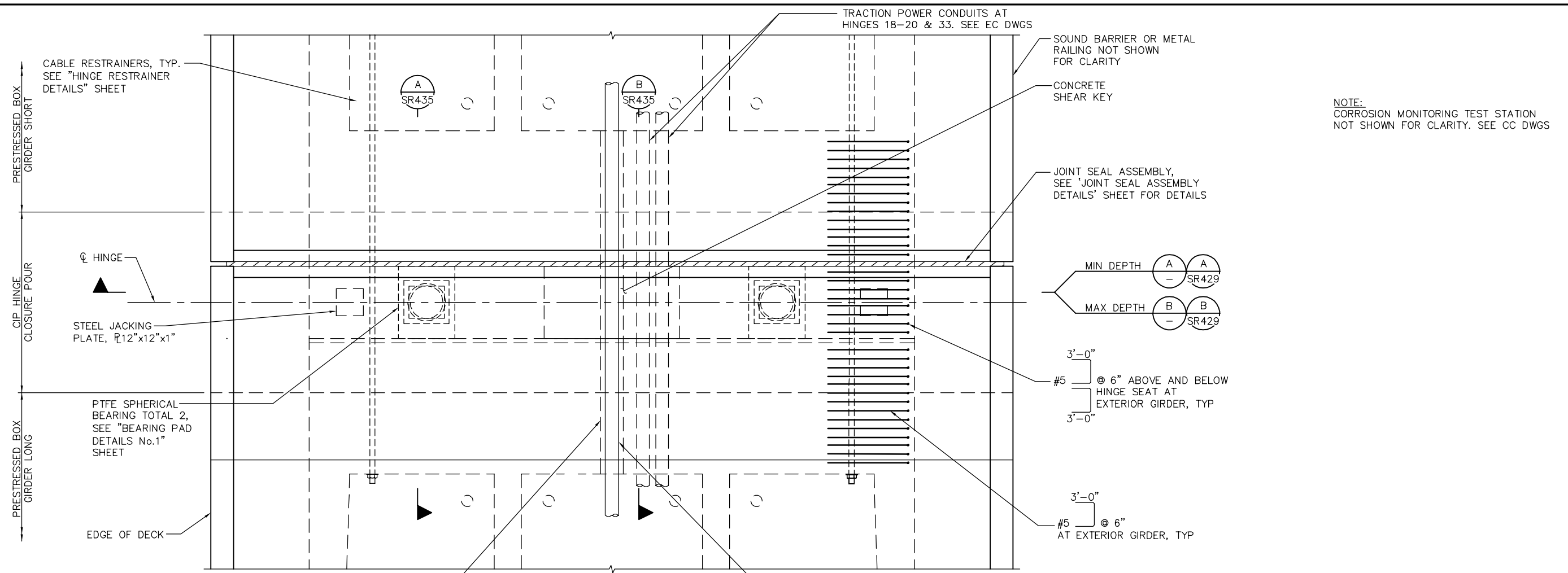
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: **05/18/20**
SCALE: **NTS**
SUBMITTAL DATE: **06/29/20**
BOARD APPROVAL DATE:

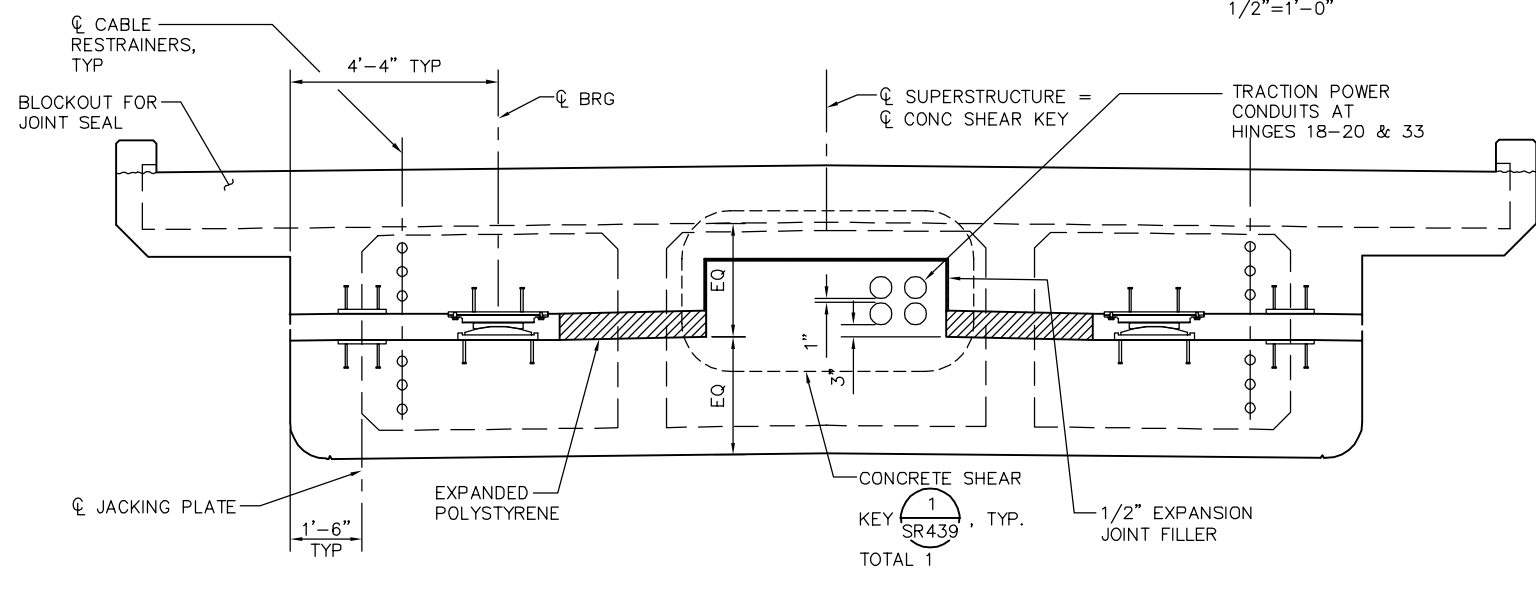
**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
PC POST TENSIONED WIDE FLANGE GIRDER DETAILS No.3**

PCA NO.: **000**
CONTRACT NO.: **C801**
FILE LOCATION: **PROJECTWISE**

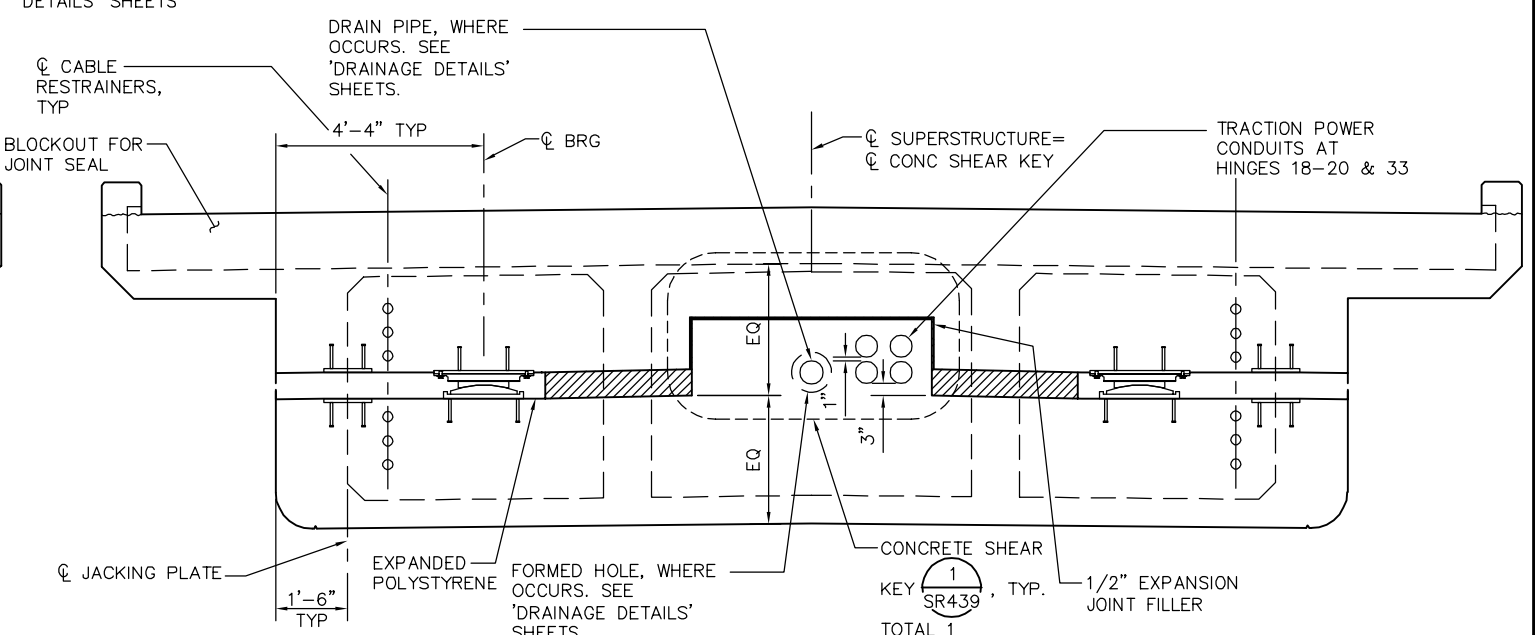
SHEET OF	DRAWING NO. SR427
REVISION	B



HINGE 2-5, 10-20, 23-33 PLAN
1/2"=1'-0"



A HINGE SECTION - MIN DEPTH
1/2"=1'-0"

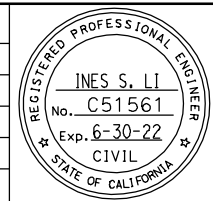


B HINGE SECTION - MAX DEPTH
1/2"=1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 2:22pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR428.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR428.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

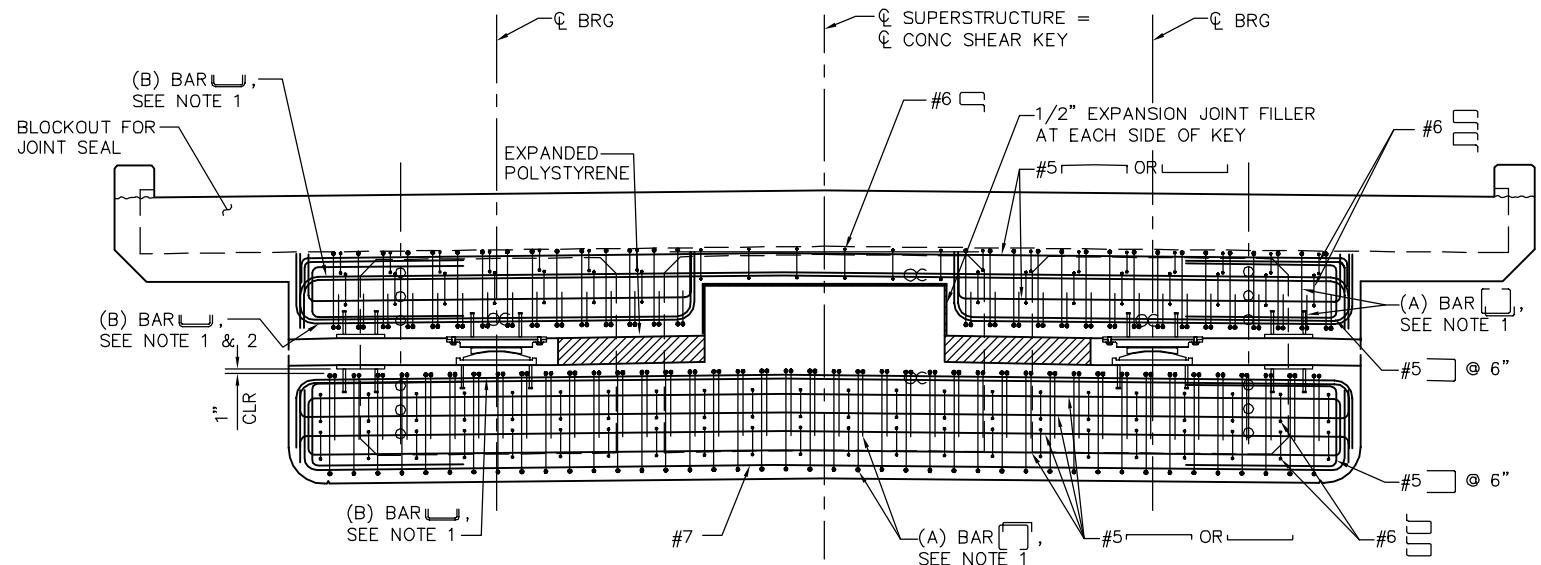
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

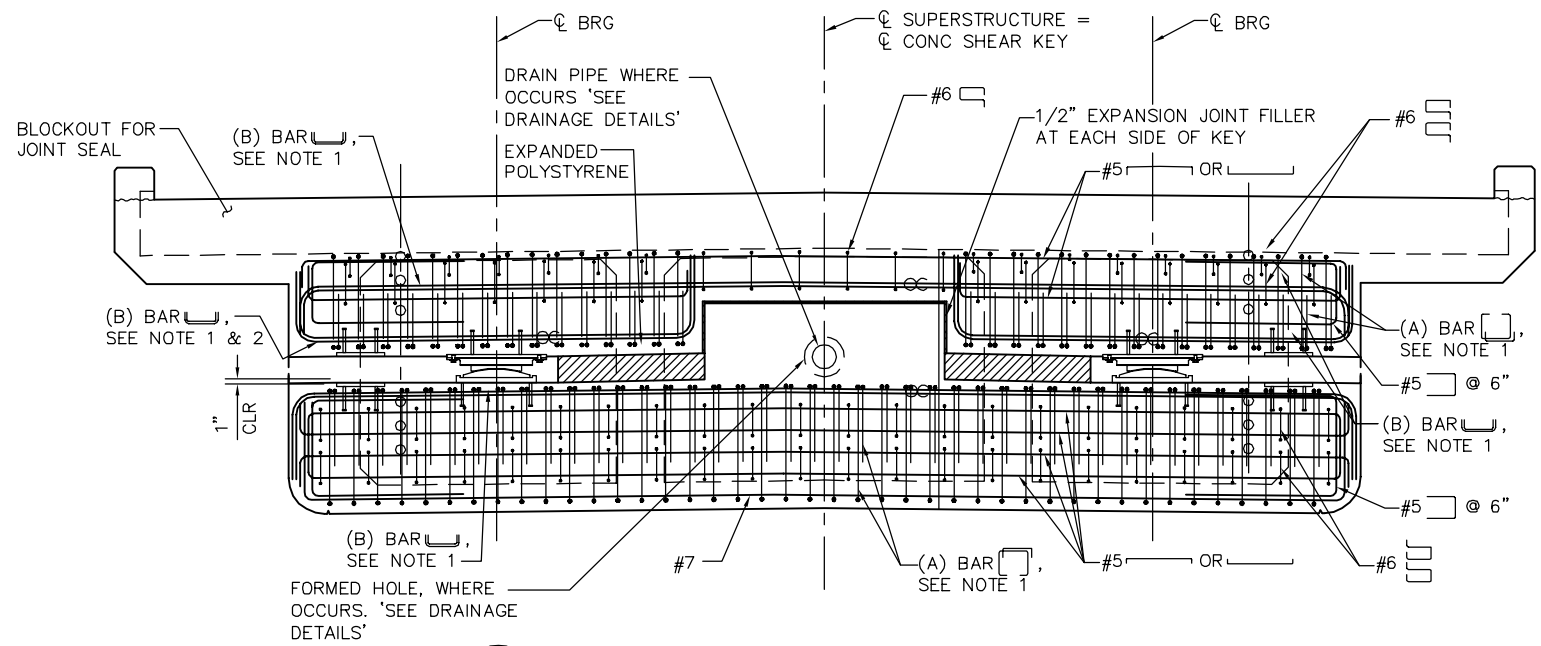
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SR428 REVISION B



(A) HINGE REINFORCEMENT AT MIN DEPTH
- 1/2" = 1'-0"



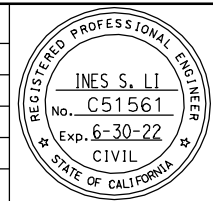
(B) HINGE REINFORCEMENT AT MAX DEPTH
- 1/2" = 1'-0"

- NOTE:
1. SEE BAR REINFORCEMENT SCHEDULE ON "HINGE DETAILS No. 9 SHEET" FOR REBAR SIZE AND SPACING.
 2. EXTEND (B) BAR RETURN TAILS TO 2" CLR FROM BLOCKOUT FOR JOINT SEAL.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:11am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR429.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR429.dwg



APPROVED

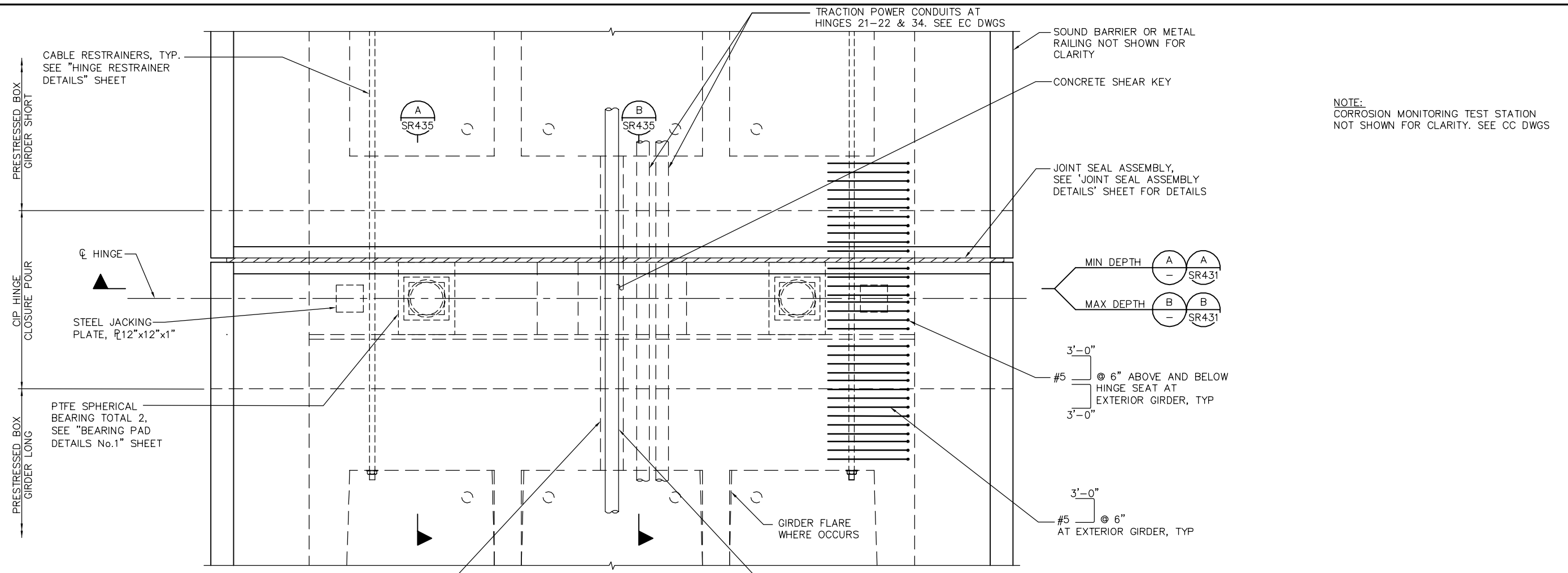
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

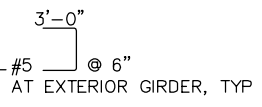
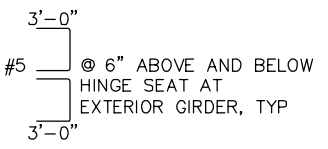
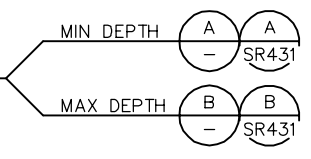
SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY HINGE DETAILS No. 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

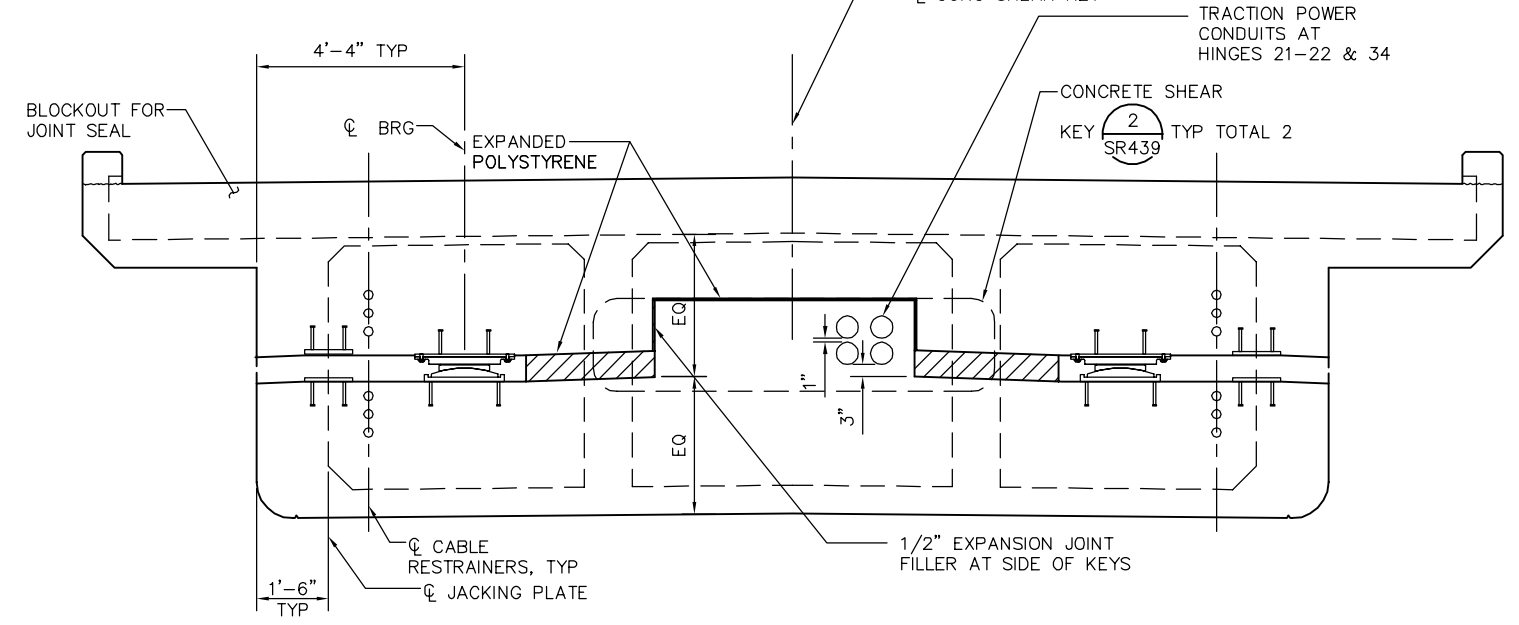
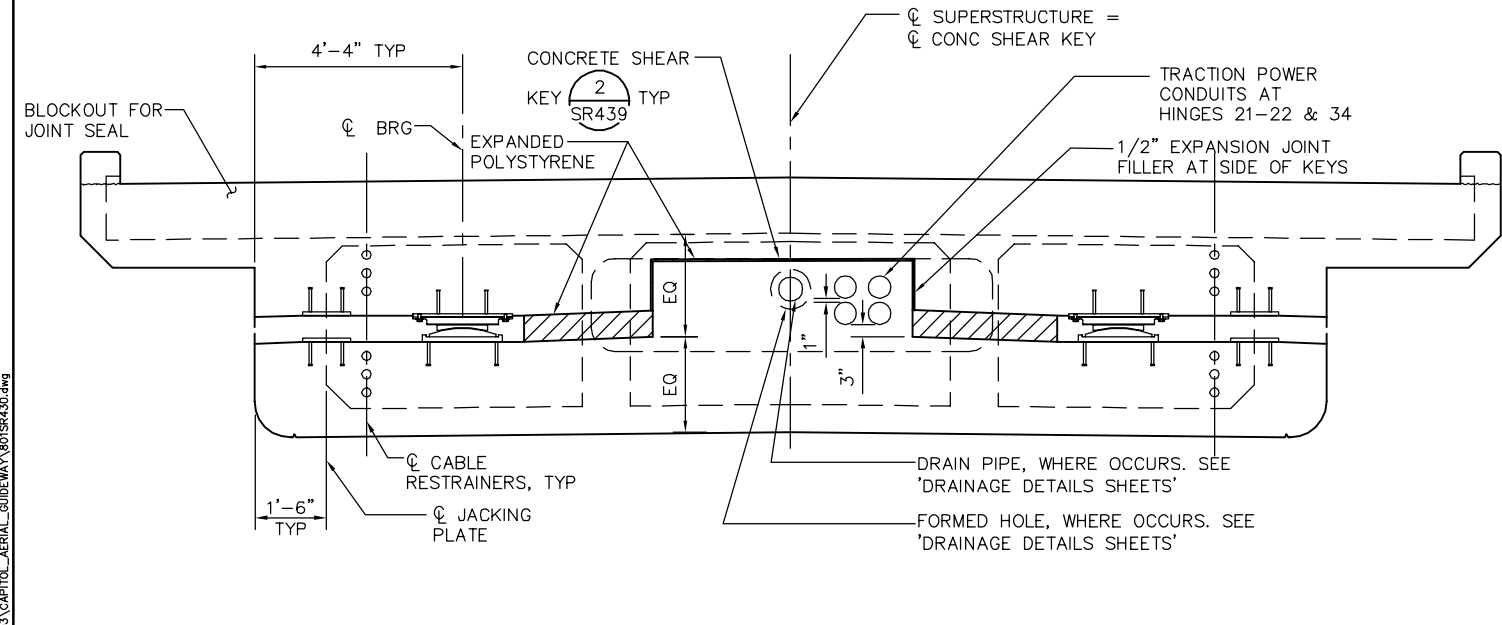
SHEET OF	DRAWING NO. SR429
REVISION	B



NOTE:
CORROSION MONITORING TEST STATION
NOT SHOWN FOR CLARITY. SEE CC DWGS



HINGE 1, 21, 22, AND 34 PLAN
1/2" = 1'-0"

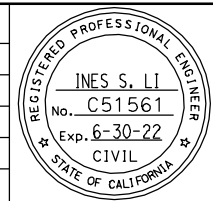


A HINGE SECTION - MIN DEPTH
1/2" = 1'-0"

B HINGE SECTION - MAX DEPTH
1/2" = 1'-0" PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:11am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR430.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR430.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

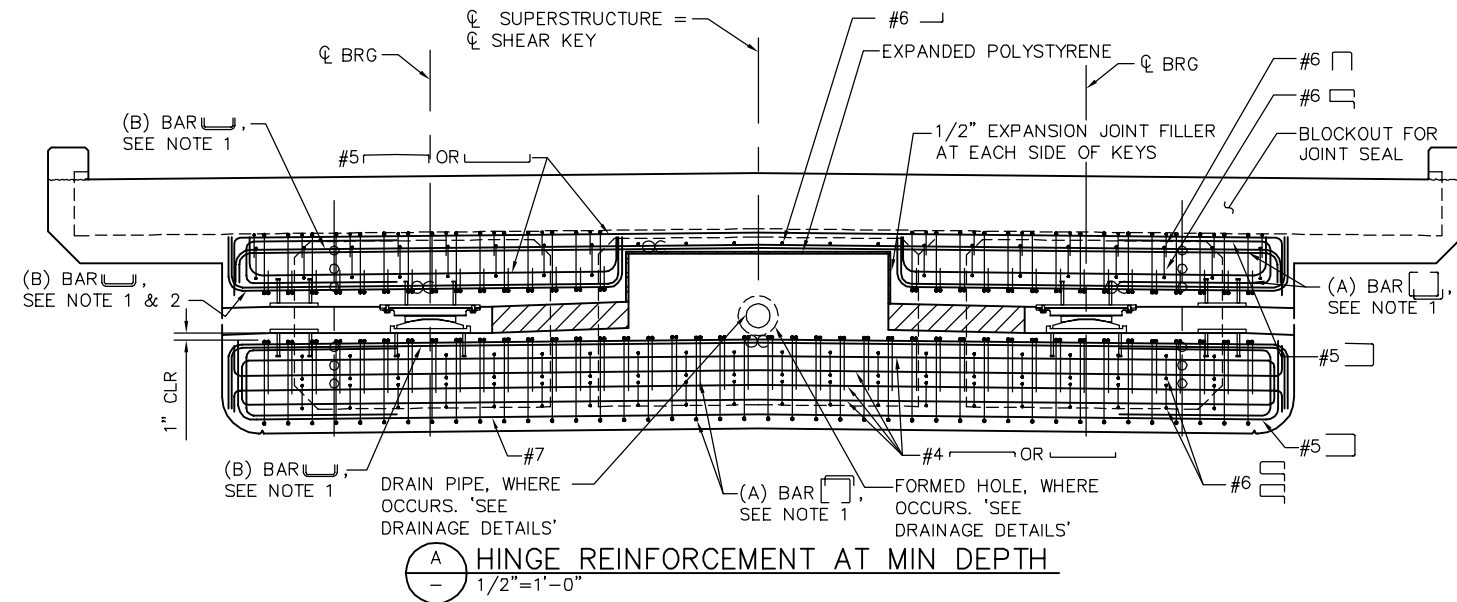
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

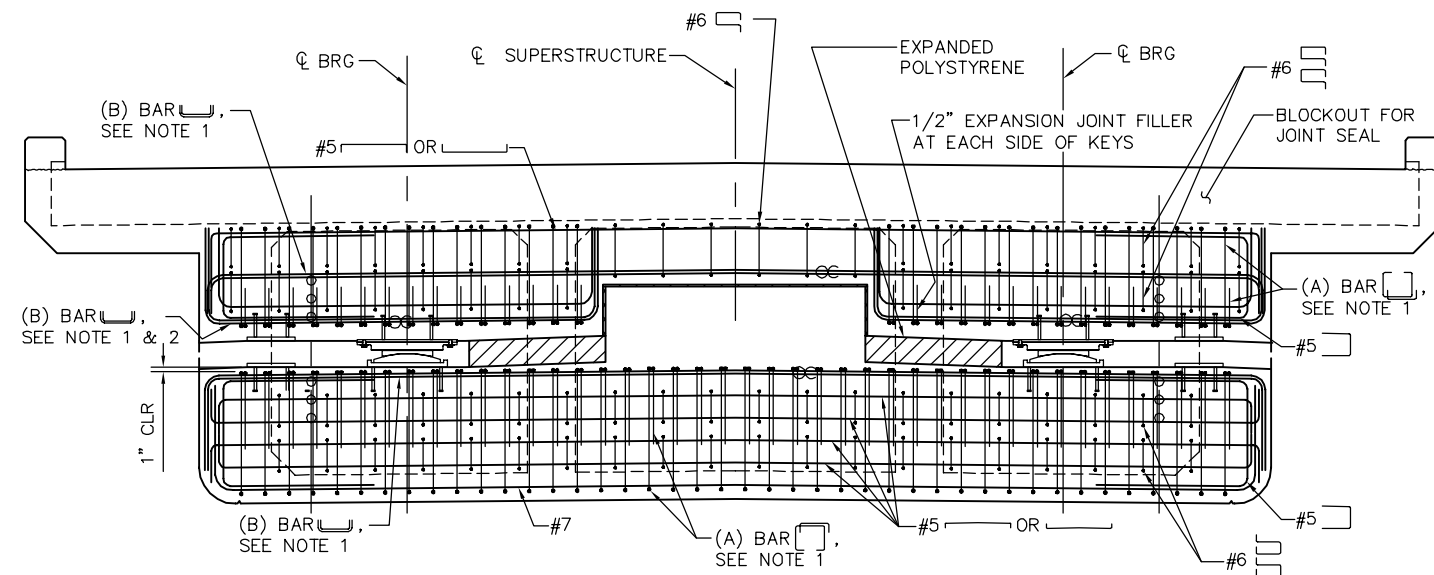
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SR430
REVISION	B



A HINGE REINFORCEMENT AT MIN DEPTH
1/2"=1'-0"



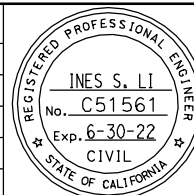
B HINGE REINFORCEMENT AT MAX DEPTH
1/2"=1'-0"

- NOTE:
1. SEE BAR REINFORCEMENT SCHEDULE ON "HINGE DETAILS No. 9 SHEET" FOR REBAR SIZE AND SPACING.
 2. EXTEND (B) BAR RETURN TAILS TO 2" CLR FROM BLOCKOUT FOR JOINT SEAL.

SMH Jun 21, 2020 - 11:12am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR431.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR431.dwg



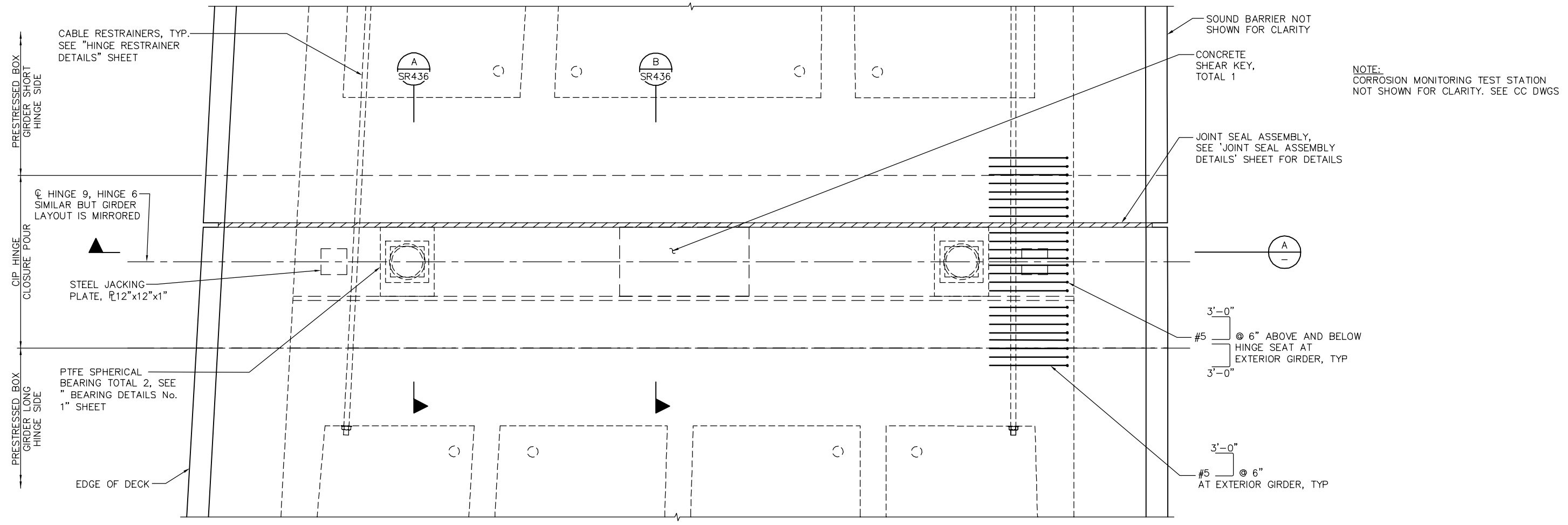
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

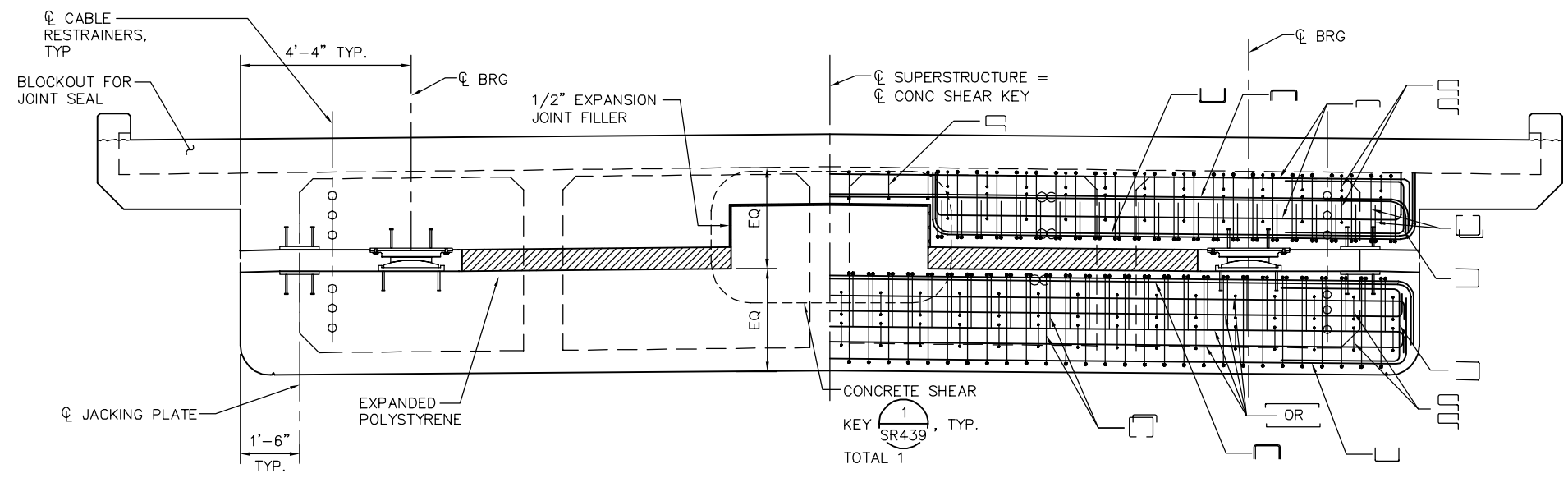
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BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY HINGE DETAILS No. 4		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR431
REVISION	B



HINGE 9 PLAN (HINGE 6 SIMILAR)
1/2" = 1'-0"



HINGE 9 SECTION
1/2" = 1'-0"

SOUND BARRIER NOT SHOWN FOR CLARITY

CONCRETE SHEAR KEY, TOTAL 1

NOTE: CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY. SEE CC DWGS

JOINT SEAL ASSEMBLY, SEE 'JOINT SEAL ASSEMBLY DETAILS' SHEET FOR DETAILS

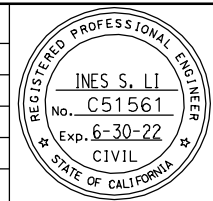
3'-0" #5 @ 6" ABOVE AND BELOW HINGE SEAT AT EXTERIOR GIRDER, TYP

3'-0" #5 @ 6" AT EXTERIOR GIRDER, TYP

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:12am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR432.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR432.dwg

Santa Clara Valley
Transportation
Authority

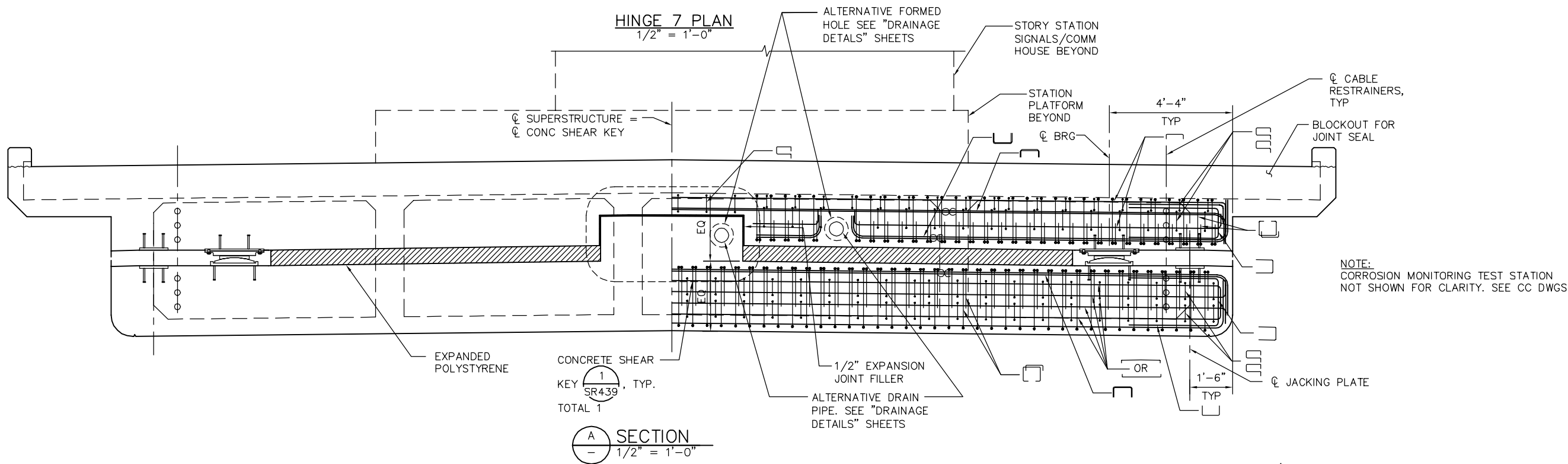
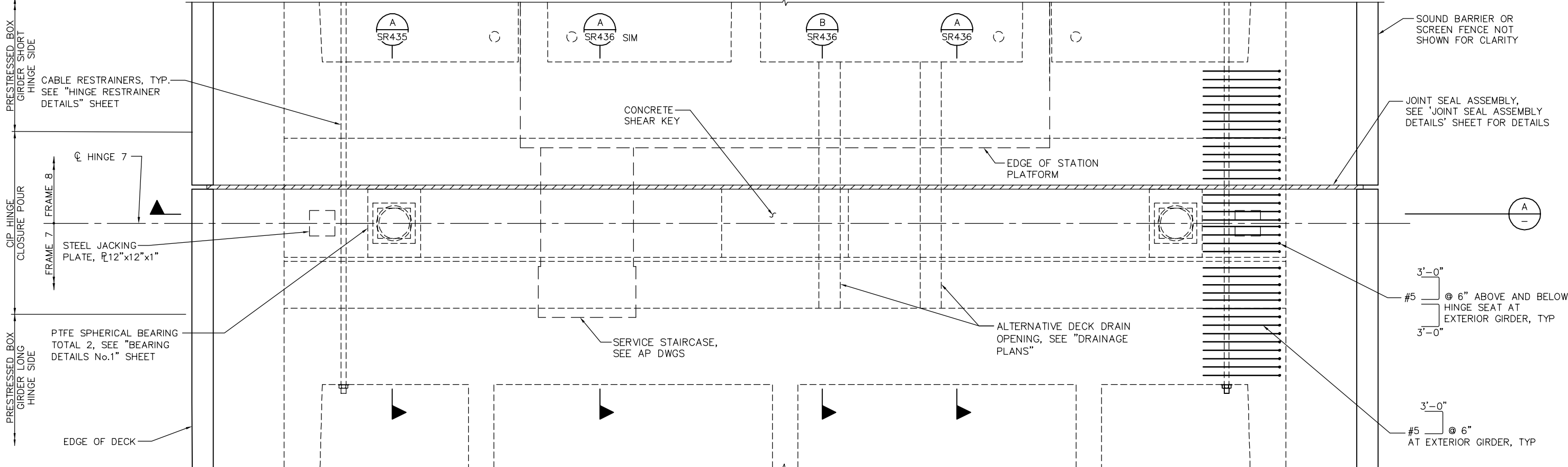
APPROVED

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

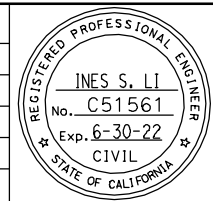
SHEET OF	DRAWING NO. SR432
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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

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San Jose, California 95128
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BCA

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR433.dwg



BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

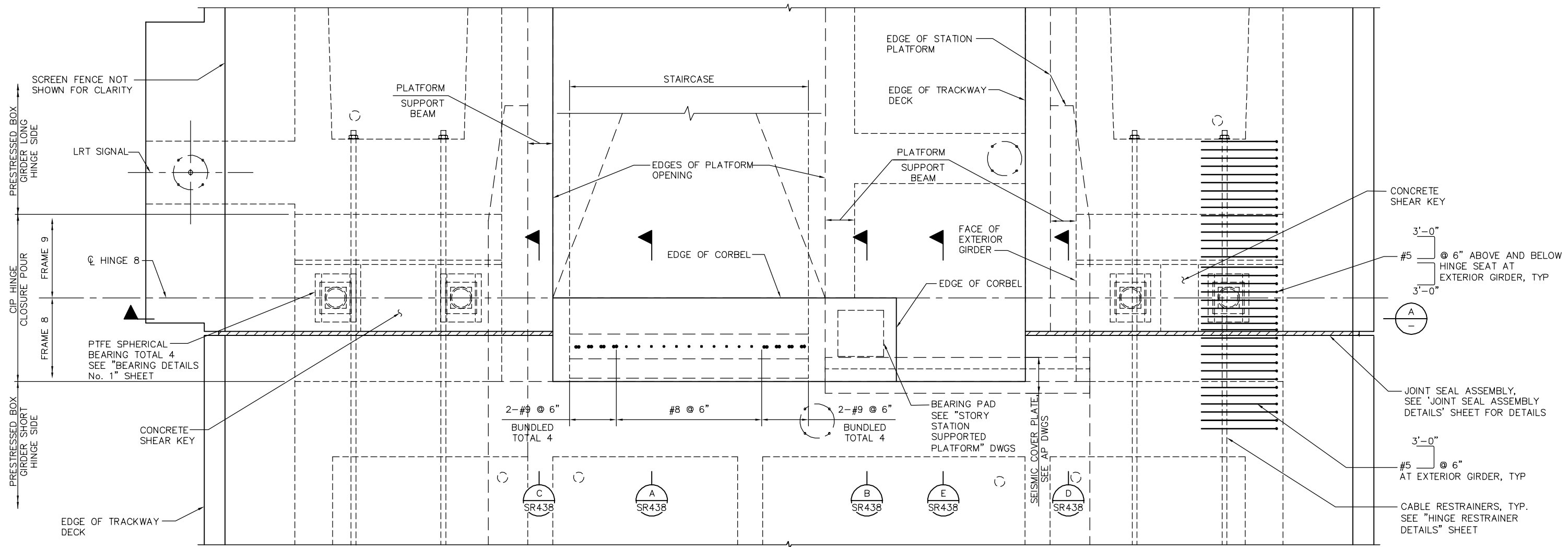
APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY HINGE DETAILS No. 6		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR433
REVISION	B



CONCRETE SHEAR KEY

3'-0"

#5 @ 6" ABOVE AND BELOW HINGE SEAT AT EXTERIOR GIRDER, TYP

A

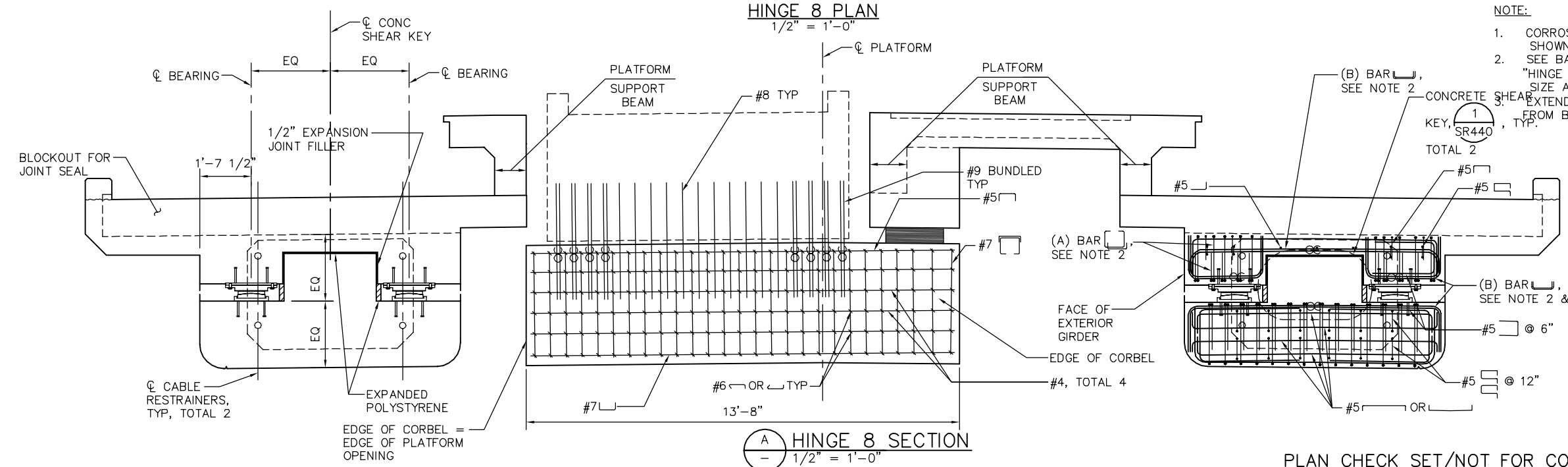
JOINT SEAL ASSEMBLY, SEE 'JOINT SEAL ASSEMBLY DETAILS' SHEET FOR DETAILS

3'-0"

#5 @ 6" AT EXTERIOR GIRDER, TYP

CABLE RESTRAINERS, TYP. SEE 'HINGE RESTRAINER DETAILS' SHEET

HINGE 8 PLAN
1/2" = 1'-0"



HINGE 8 SECTION
1/2" = 1'-0"

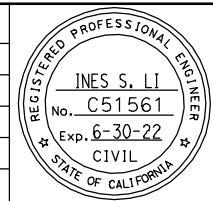
NOTE:

- CORROSION MONITORING TEST STATION NOT SHOWN FOR CLARITY, SEE CC DWGS.
- SEE BAR REINFORCEMENT SCHEDULE ON "HINGE DETAILS No. 9 SHEET" FOR REBAR SIZE AND SPACING.
- EXTEND (B) BAR RETURN TAILS TO 2" CLR FROM BLOCKOUT FOR JOINT SEAL.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:13am \\s\2017\103\CAPITOL_SERIAL_GUIDEWAY\801SR434.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SR434.dwg



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CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

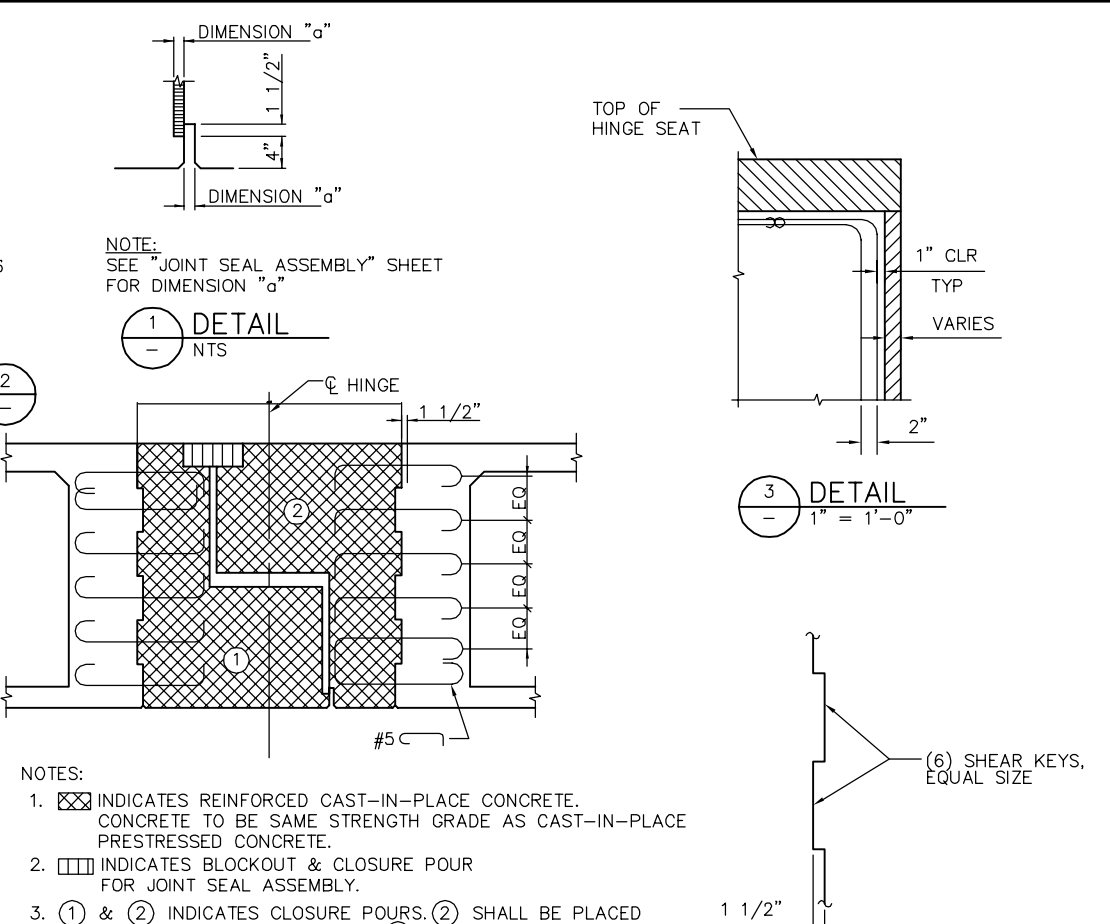
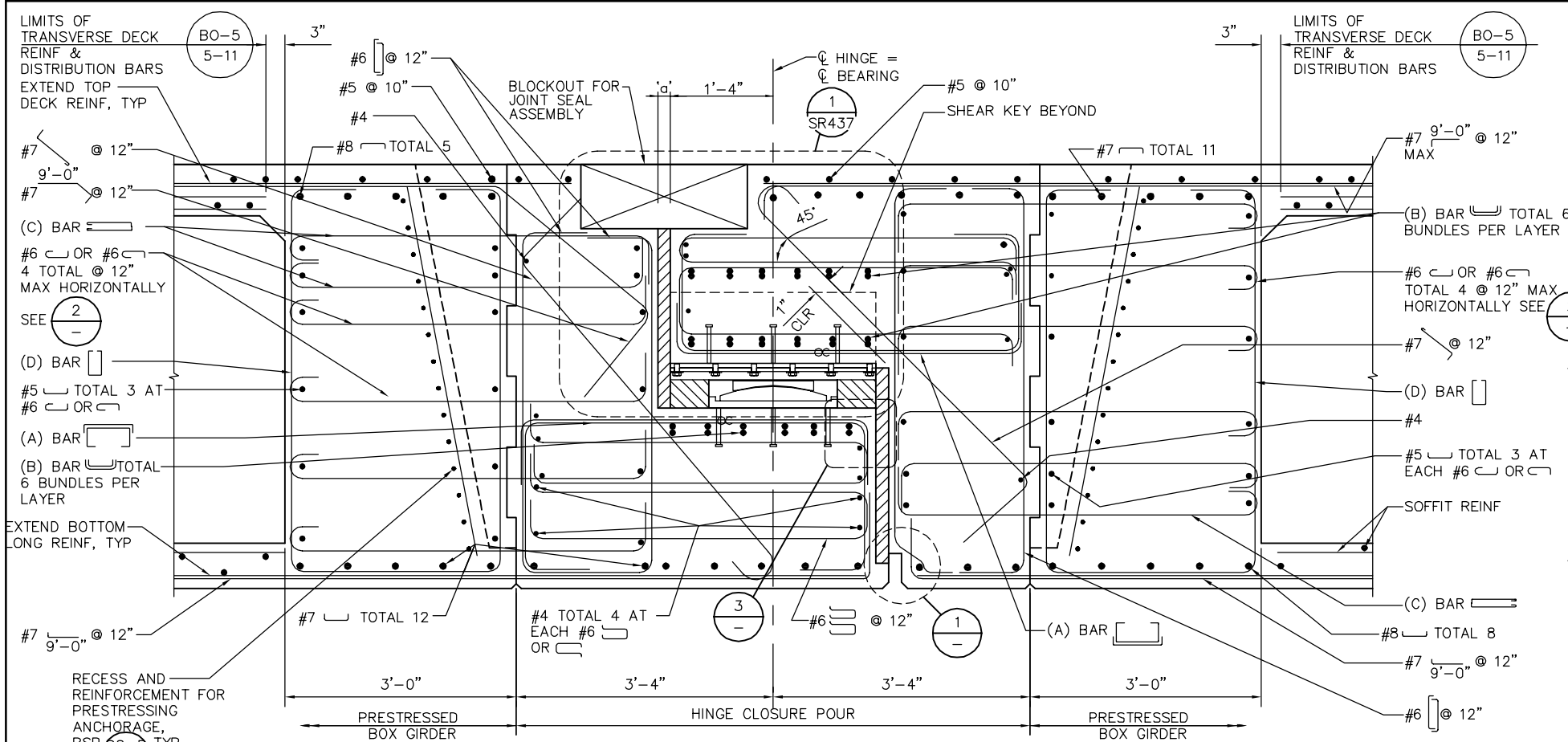
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 7

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF	
DRAWING NO.	SR434
REVISION	B



NOTE: SEE "JOINT SEAL ASSEMBLY" SHEET FOR DIMENSION "a"

1 DETAIL
- NTS

2 HINGE CLOSURE POUR
- NTS

3 DETAIL
- 1" = 1'-0"

DIAPHRAGM TO HINGE CLOSURE SHEAR KEY

BAR REINFORCEMENT SCHEDULE				
HINGE NUMBER	(A) BAR	(B) BAR	(C) BAR	(D) BAR
6	#6 □ OR □ @ 6"	#7 U OR U	#7 S @ 12"	#5 □ @ 12"
1, 8	#8 □ OR □ @ 6"	#9 U OR U	#8 S @ 12"	#5 □ @ 12"
10-12, 22, 29-31, 33-34	#7 □ OR □ @ 6"	#8 U OR U	#7 S @ 12"	#5 □ @ 12"
2-5, 7, 9, 13-21, 23-28, 32	#7 □ OR □ @ 6"	#9 U OR U	#7 S @ 12"	#6 □ @ 12"

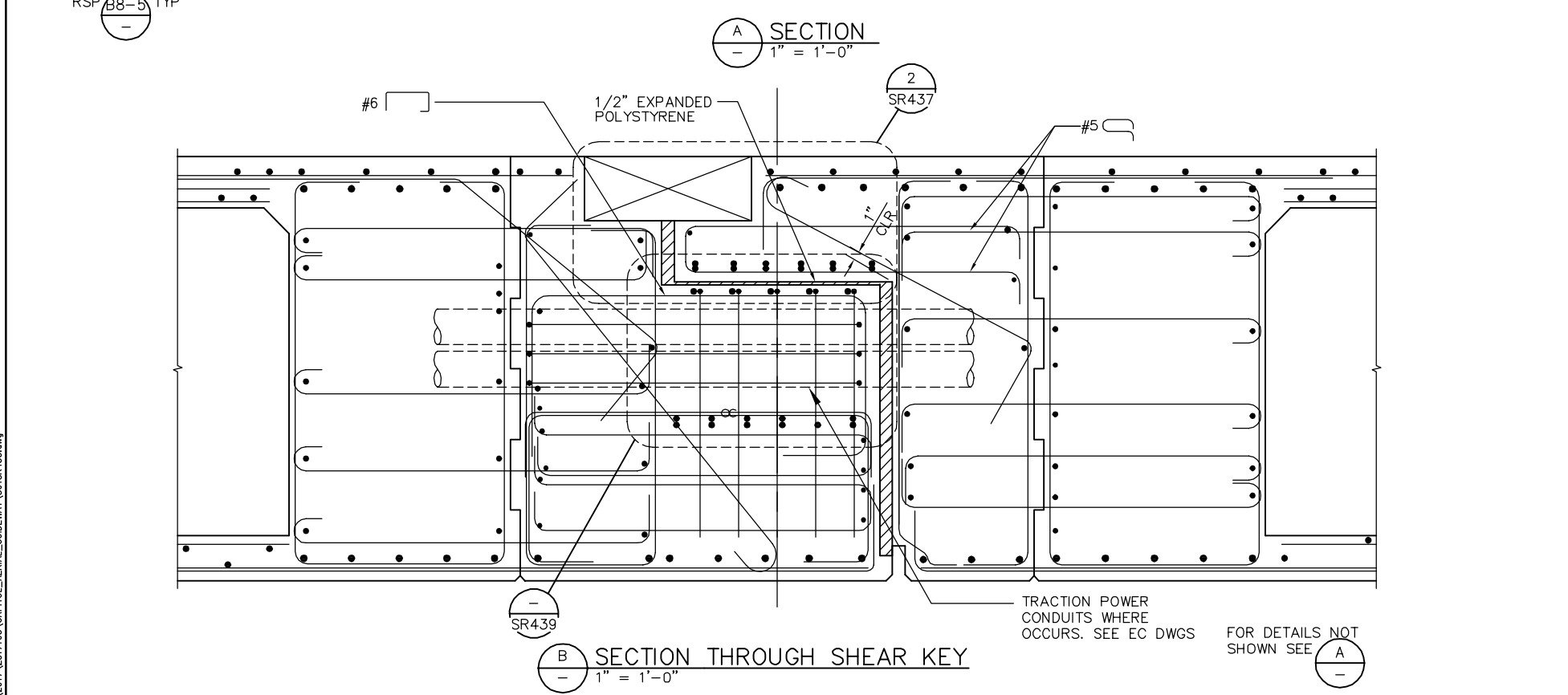
NOTES:

- TO PROVIDE FOR FREE MOVEMENT OF THE COMPLETED HINGE, CONCRETE IS TO BE EXCLUDED FROM THE JOINT BY SEALING ALL OPENINGS.
- BARs MAY BE PLACED WITH HOOKS HORIZONTAL IF REQUIRED FOR CLEARANCE.
- ADJUST ANGLE OF BARS AT KEY AS IS NECESSARY TO CLEAR.
- REINFORCEMENT SHALL BE SPACED ALONG C OF HINGE AND PLACED PARALLEL TO C STRUCTURE.
- ACTUAL DIMENSION DEPENDS ON PRESTRESSING HARDWARE

SEE BO-5, EXCEPT AT HINGE 8.

LEGEND:

- INDICATES BUNDLED BARS
- ▨ OR ▩ INDICATES EXPANDED POLYSTYRENE.



NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET

REGISTERED PROFESSIONAL ENGINEER

INES S. LI
No. C51561
Exp. 6-30-22
CIVIL
STATE OF CALIFORNIA

SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: **D. CHAN**
DRAWN: **S. HICKEY**

CHECKED: **D. DEVLIN**
CADD FILENAME: **801SR435.dwg**

Santa Clara Valley Transportation Authority

APPROVED

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CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

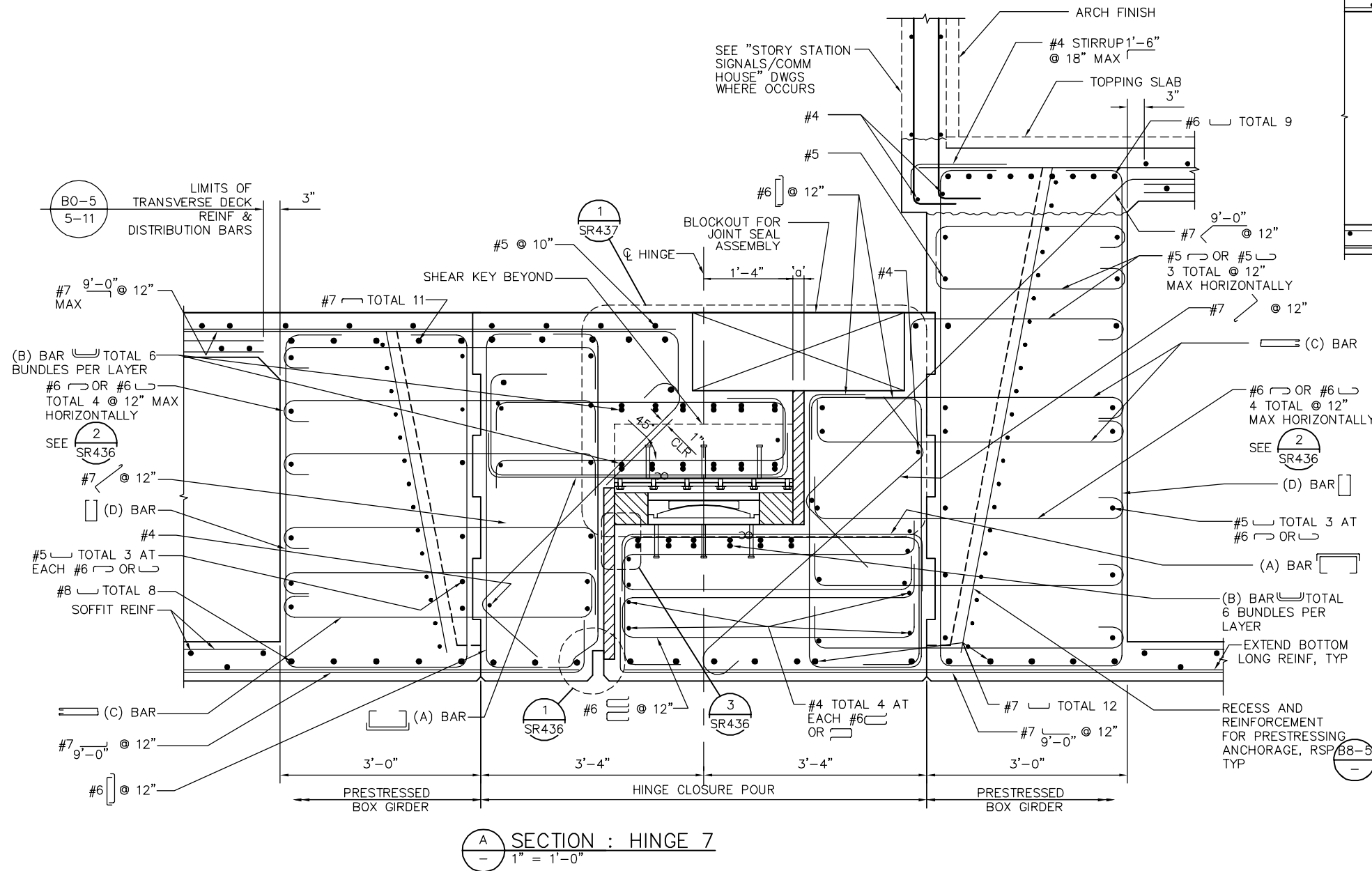
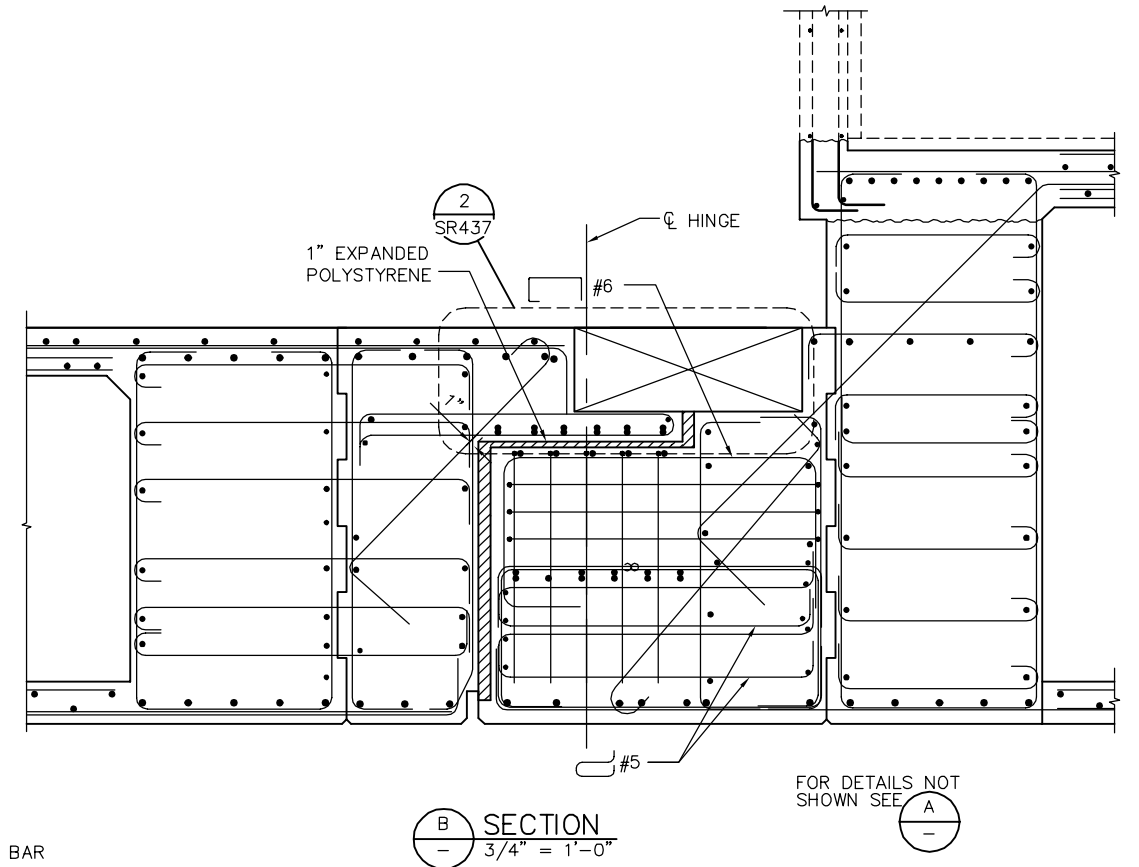
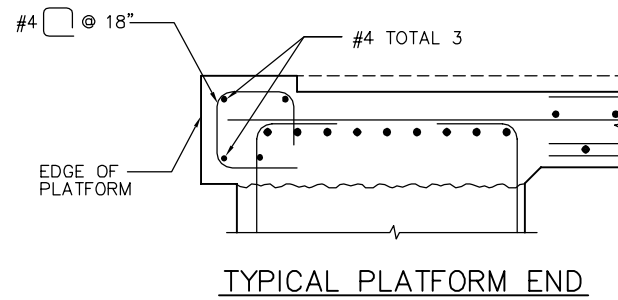
PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 8

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SR435 REVISION B

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HINGE NUMBER	(A) BAR	(B) BAR	(C) BAR	(D) BAR
7	#7 [] OR [] @ 6"	#9 [] OR []	#7 [] @ 12"	#6 [] @ 12"

NOTES:

- TO PROVIDE FOR FREE MOVEMENT OF THE COMPLETED HINGE, CONCRETE IS TO BE EXCLUDED FROM THE JOINT BY SEALING ALL OPENINGS.
- BARs MAY BE PLACED WITH HOOKS HORIZONTAL IF REQUIRED FOR CLEARANCE.
- ADJUST ANGLE OF BARS AT KEY AS IS NECESSARY TO CLEAR.
- REINFORCEMENT SHALL BE SPACED ALONG ϕ OF HINGE AND PLACED PARALLEL TO ϕ STRUCTURE.
- ACTUAL DIMENSION DEPENDS ON PRESTRESSING HARDWARE
SEE B0-5, EXCEPT AT HINGE 8.
- FOR INFORMATION NOT SHOWN, SEE "HINGE DETAILS No. 9" SHEET.

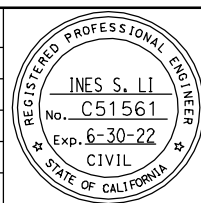
LEGEND:

- INDICATES BUNDLED BARS
- OR INDICATES EXPANDED POLYSTYRENE.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
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DESIGNED
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CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SR436.dwg

BCA



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SCALE
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06/29/20

BOARD APPROVAL DATE

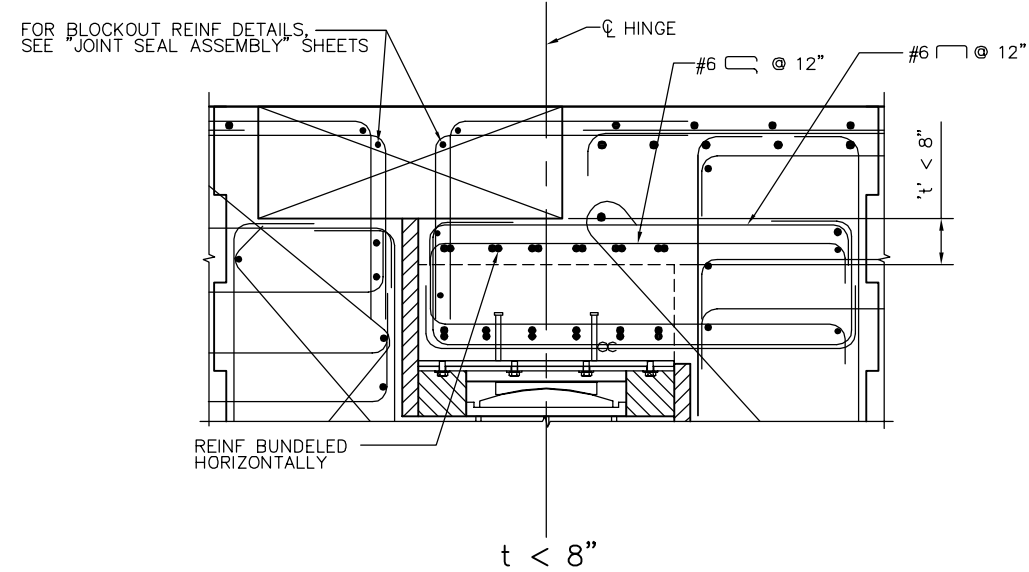
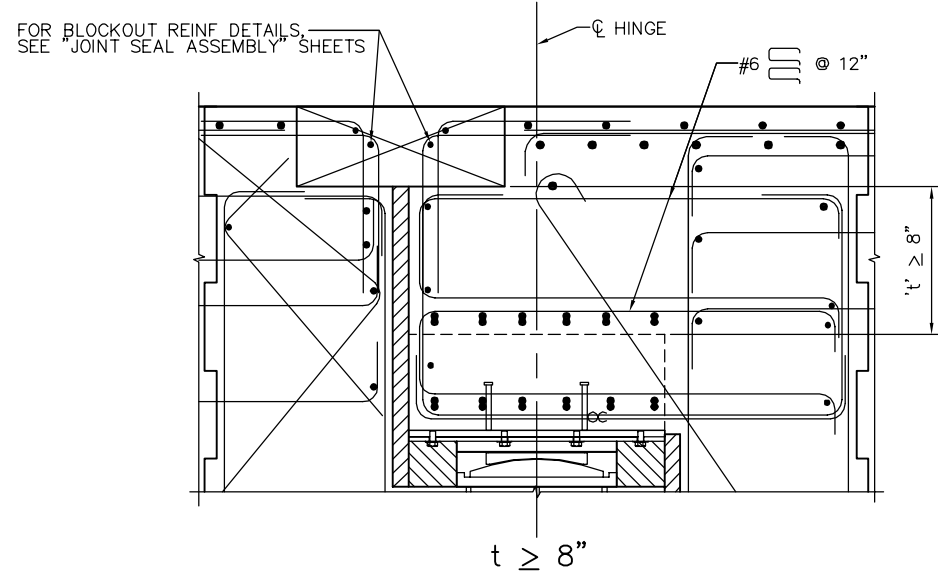
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 9

PCA NO.
000

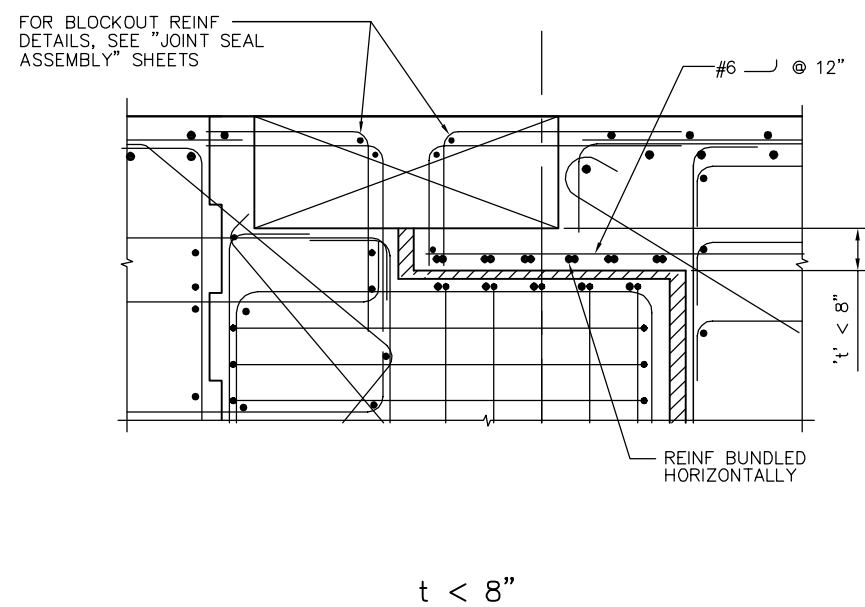
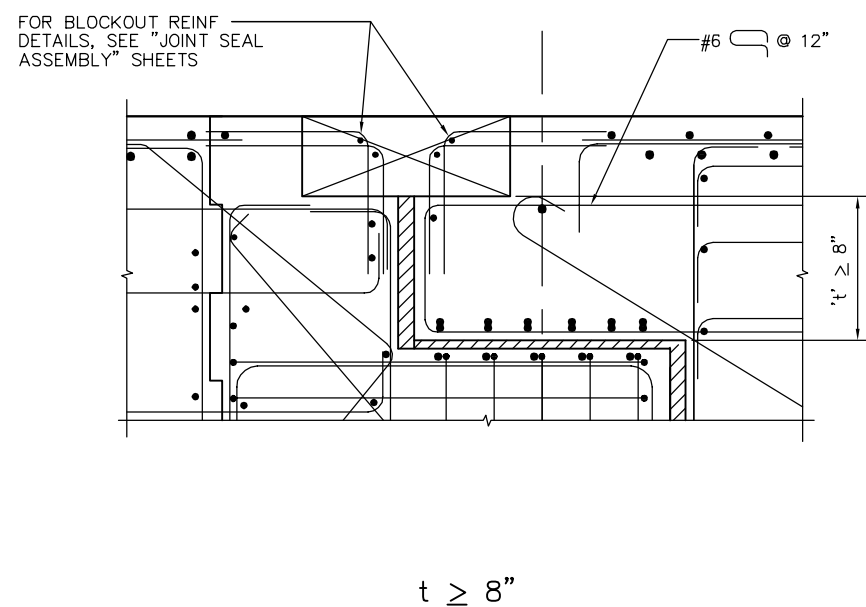
CONTRACT NO.
C801

FILE LOCATION
PROJECTWISE

SHEET OF
DRAWING NO.
SR436
REVISION
B



1 HINGE REINFORCEMENT DETAIL
1" = 1'-0"

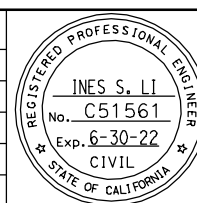


2 HINGE REINFORCEMENT DETAIL
1" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:14am W:\2017\2017103\CAPITOL_SERIAL_GUIDEWAY\801SR437.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED
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CHECKED
 D. DEVLIN

DRAWN
 S. HICKEY

CADD FILENAME
 801SR437.dwg



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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
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SCALE
 AS SHOWN

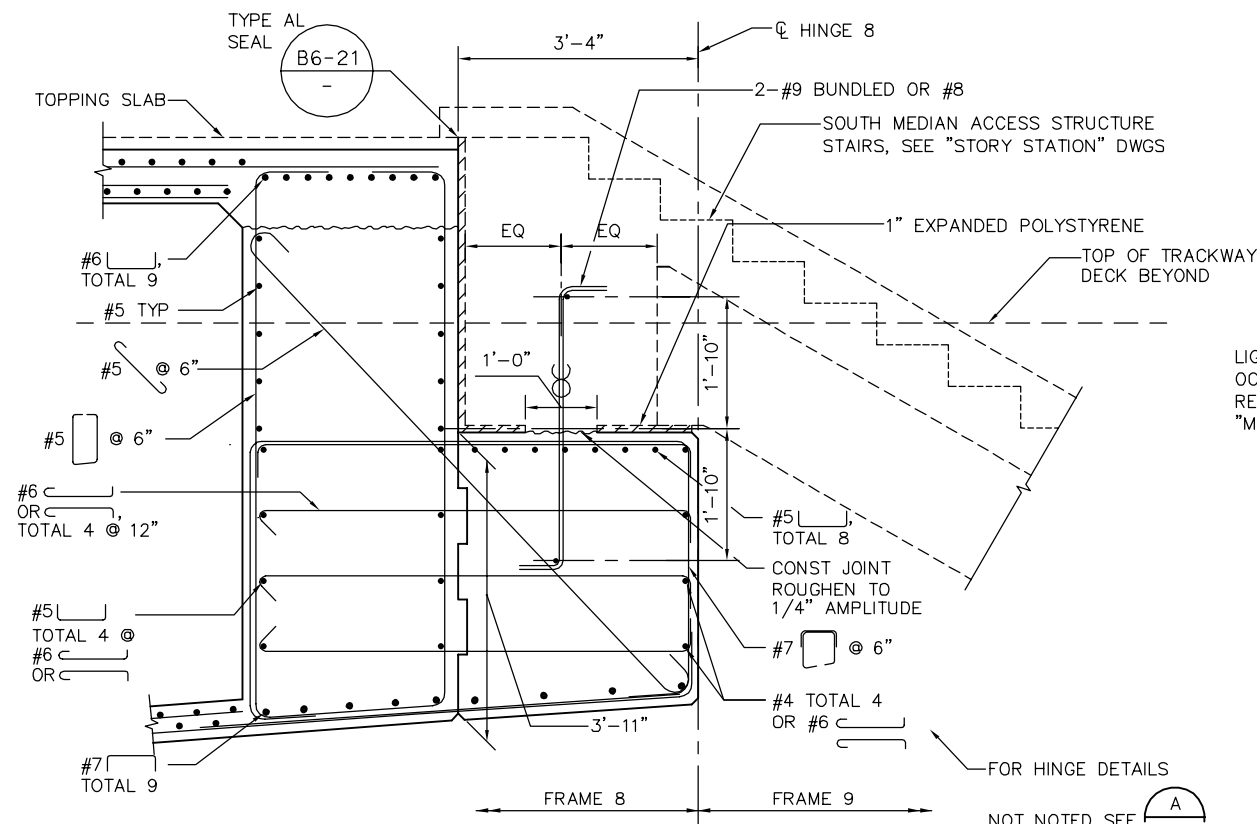
SUBMITTAL DATE
 06/29/20

BOARD APPROVAL DATE

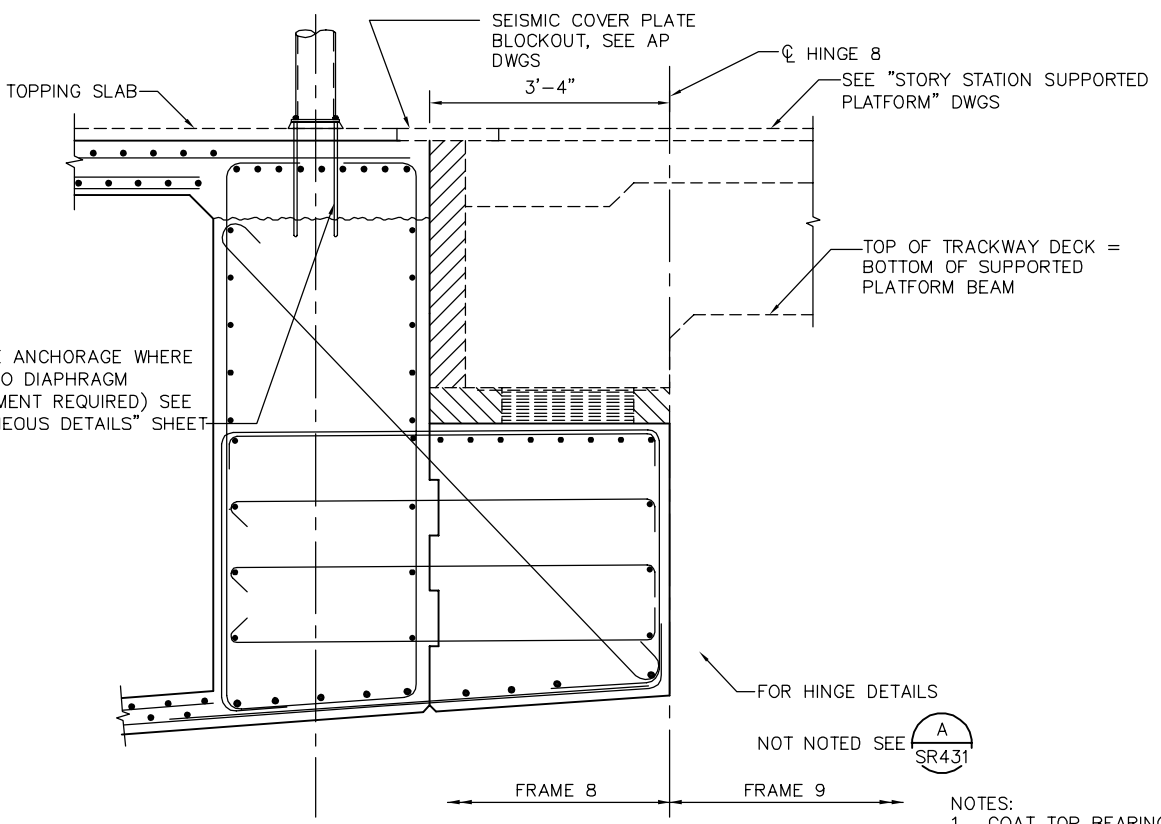
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 HINGE DETAILS No. 10

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SR437
REVISION	B

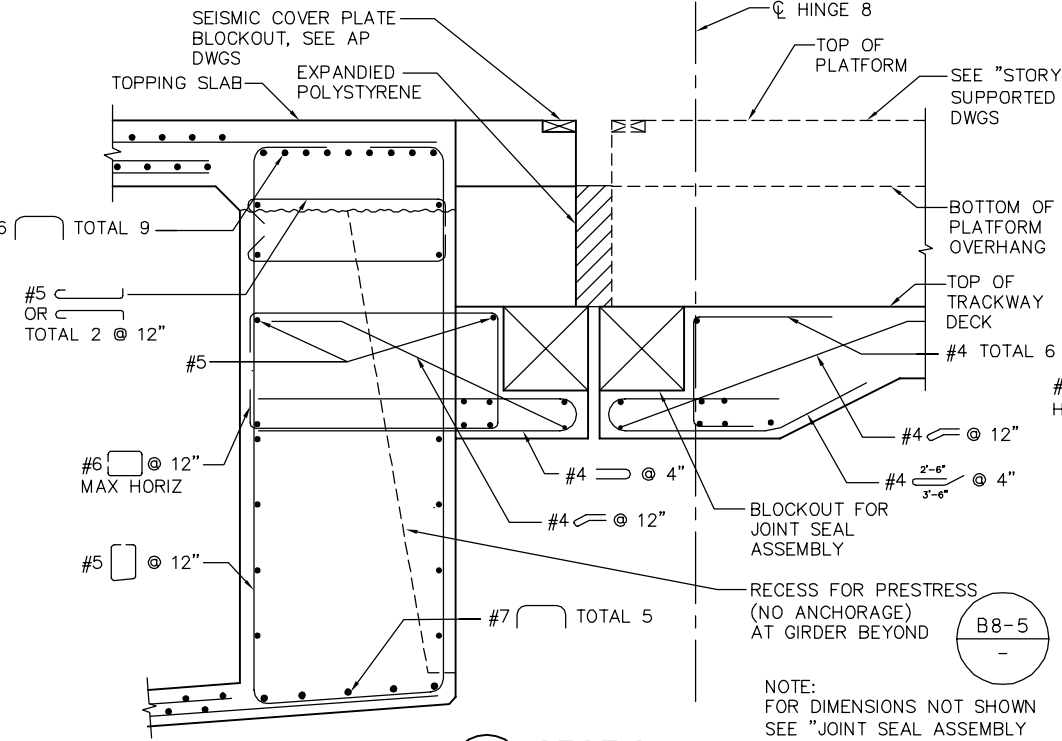


A SECTION
3/4" = 1'-0"

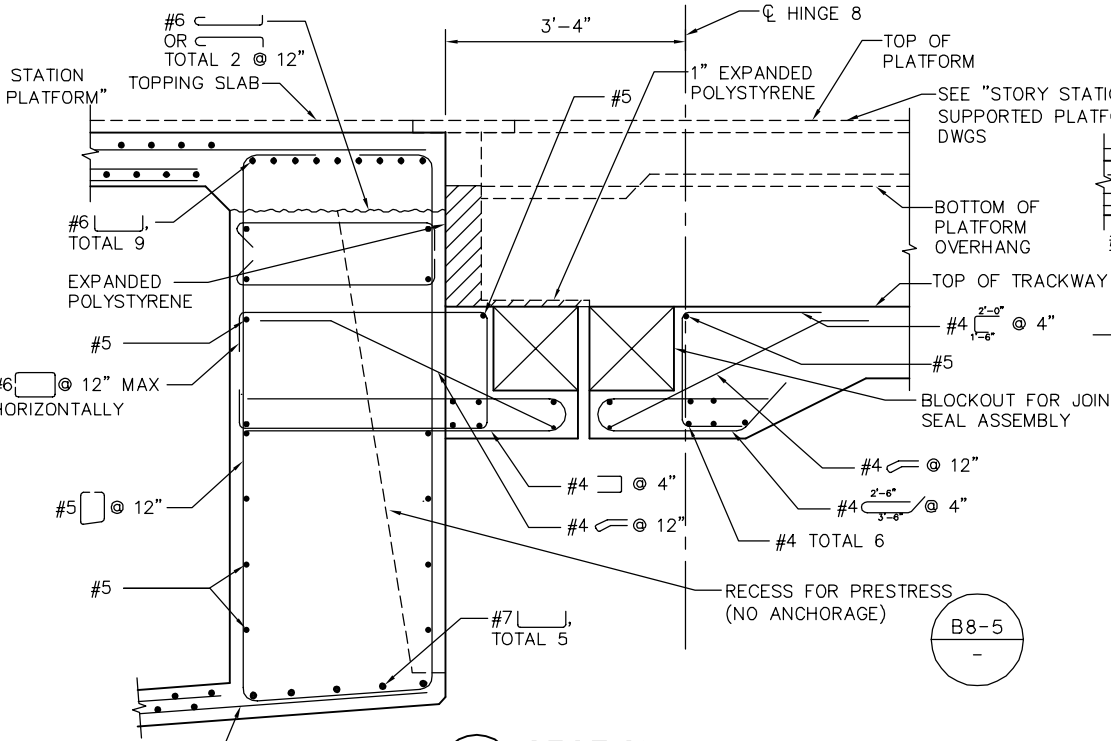


B SECTION
3/4" = 1'-0"

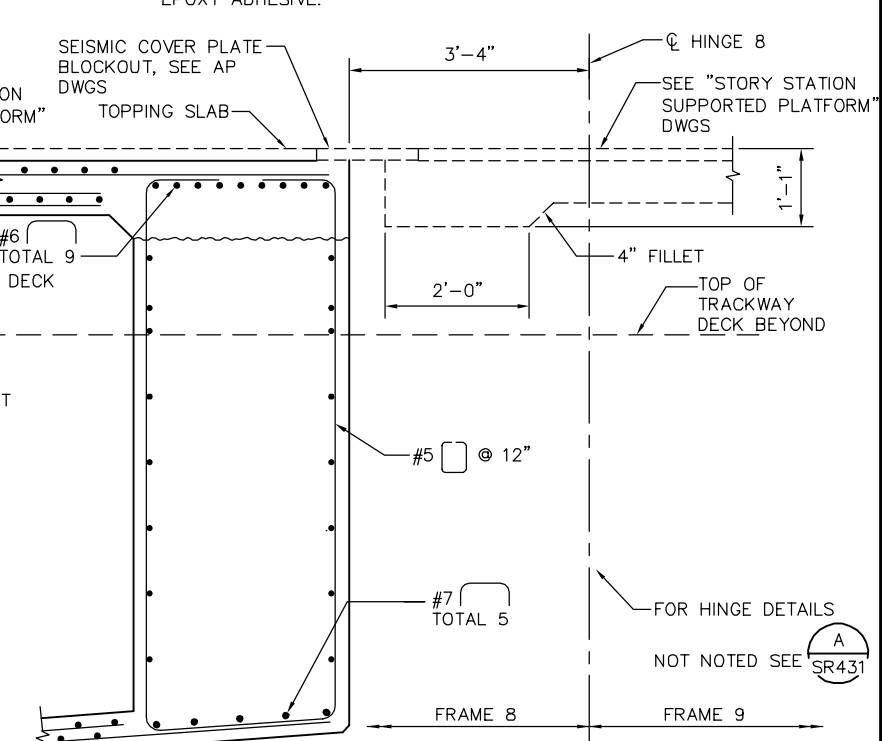
- NOTES:
1. COAT TOP BEARING PAD W/ SILICONE GREASE.
 2. THE BEARING PAD MUST BE BONDED TO THE BEARING SEAT W/ AN EPOXY ADHESIVE.



C SECTION
3/4" = 1'-0"



D SECTION
3/4" = 1'-0"

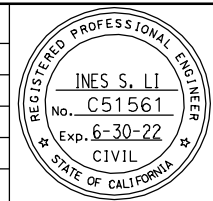


E SECTION
3/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR438.dwg

Santa Clara Valley Transportation Authority

APPROVED

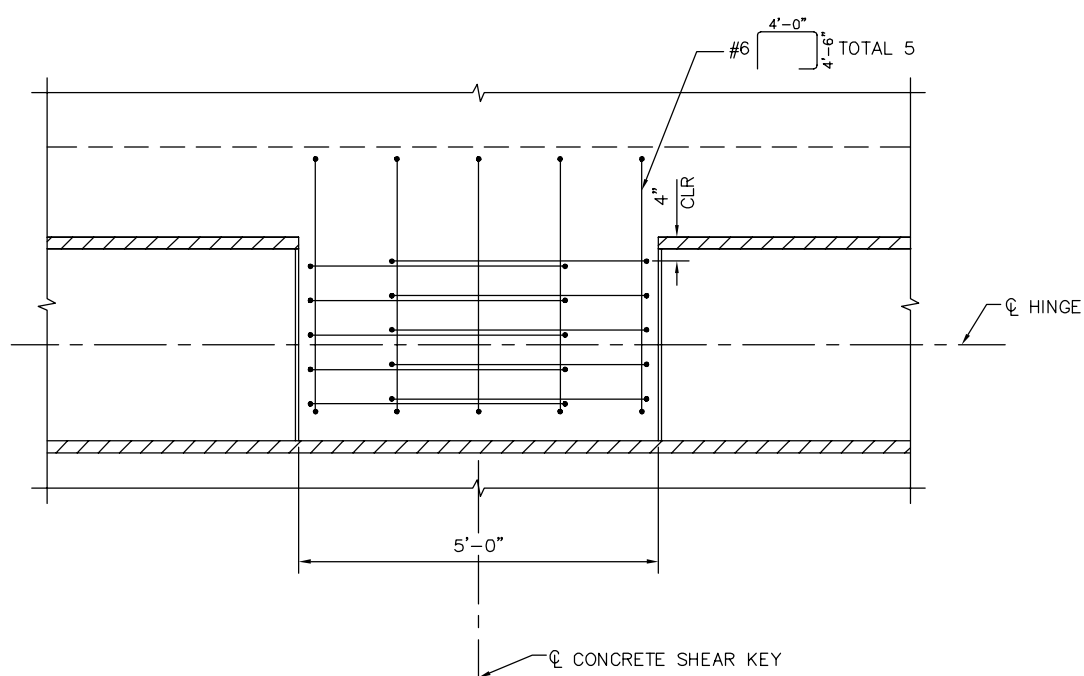
BKF100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

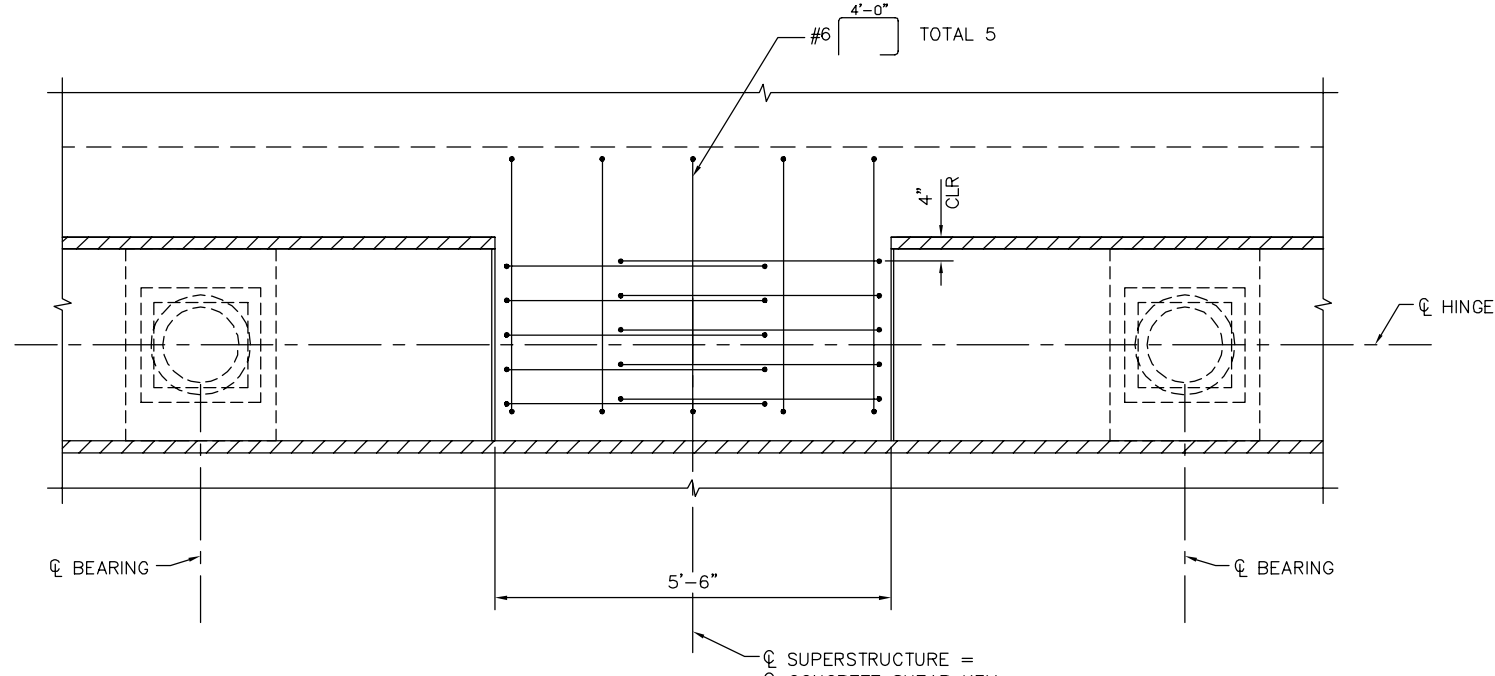
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 11

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

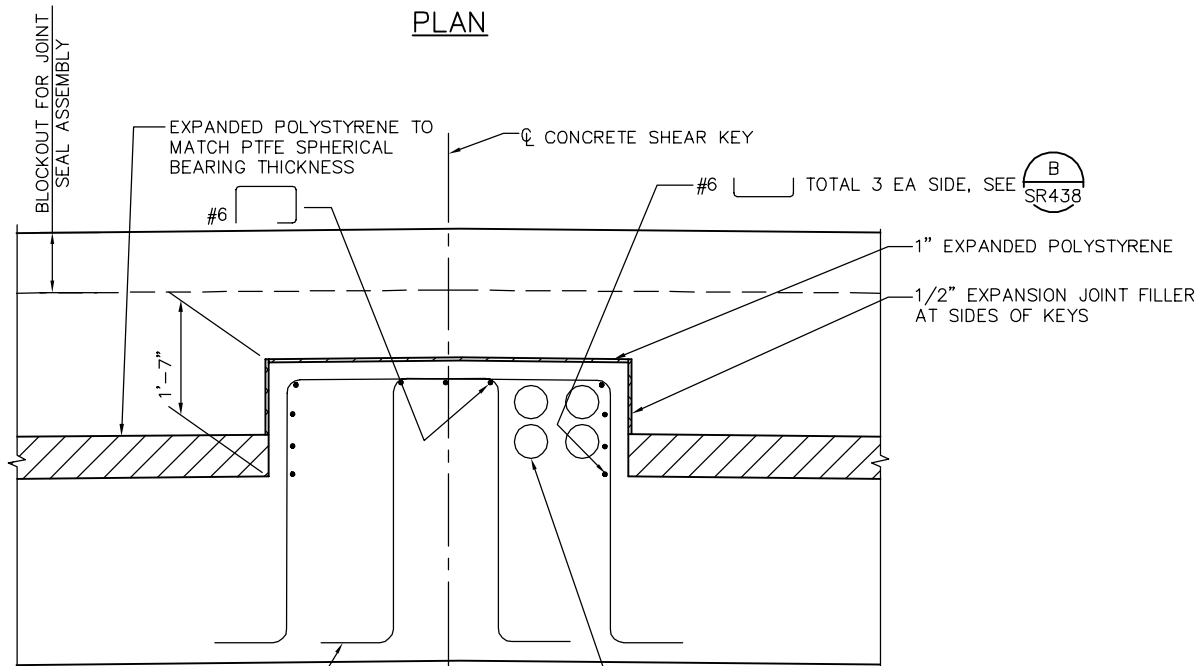
SHEET OF
DRAWING NO. SR438
REVISION B



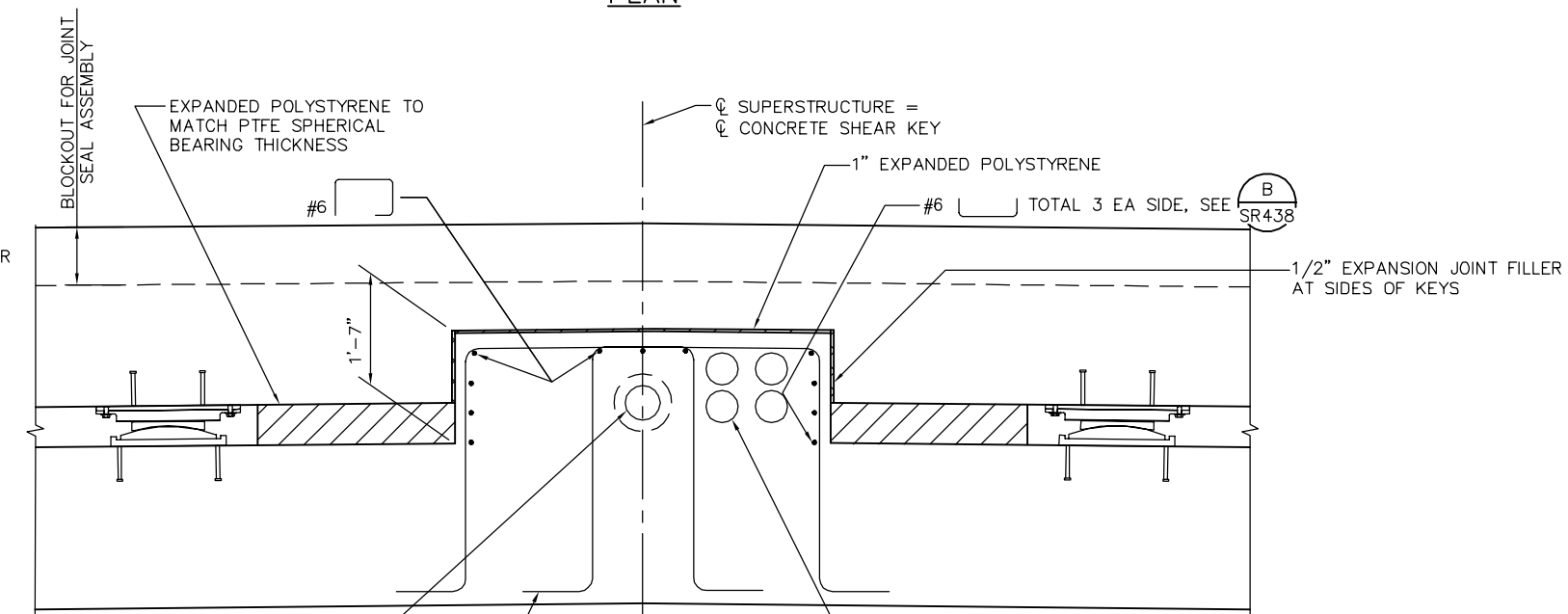
PLAN



PLAN



ELEVATION



ELEVATION

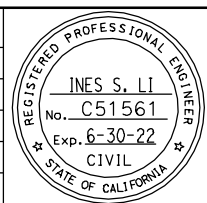
1 SINGLE SHEAR AT HINGES 2-7, 9-20, & 23-33
3/4" = 1'-0"

2 SHEAR KEY AT HINGES 1, 21, 22, & 34
3/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:15am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR439.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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865 The Alameda
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DESIGNED
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CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SR439.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

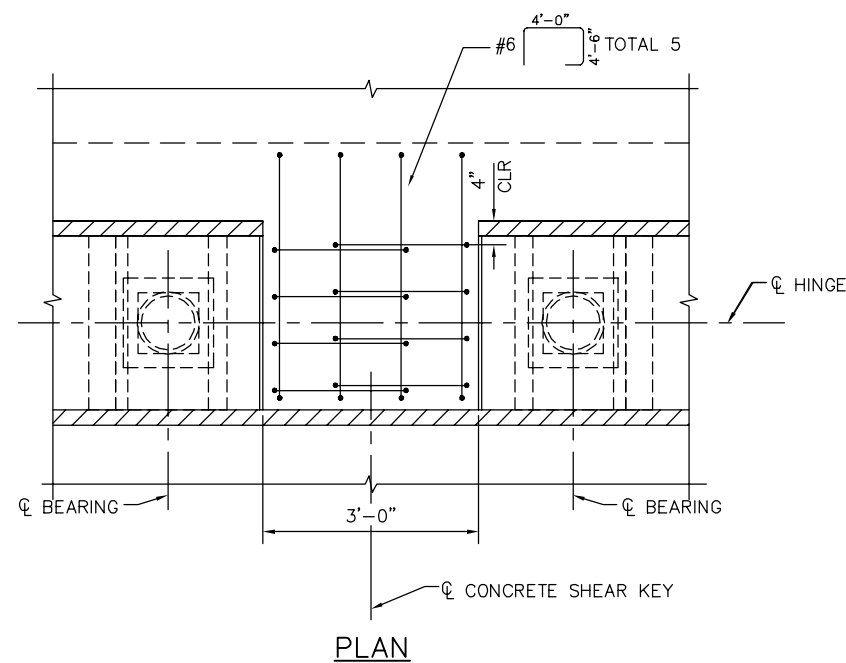
SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

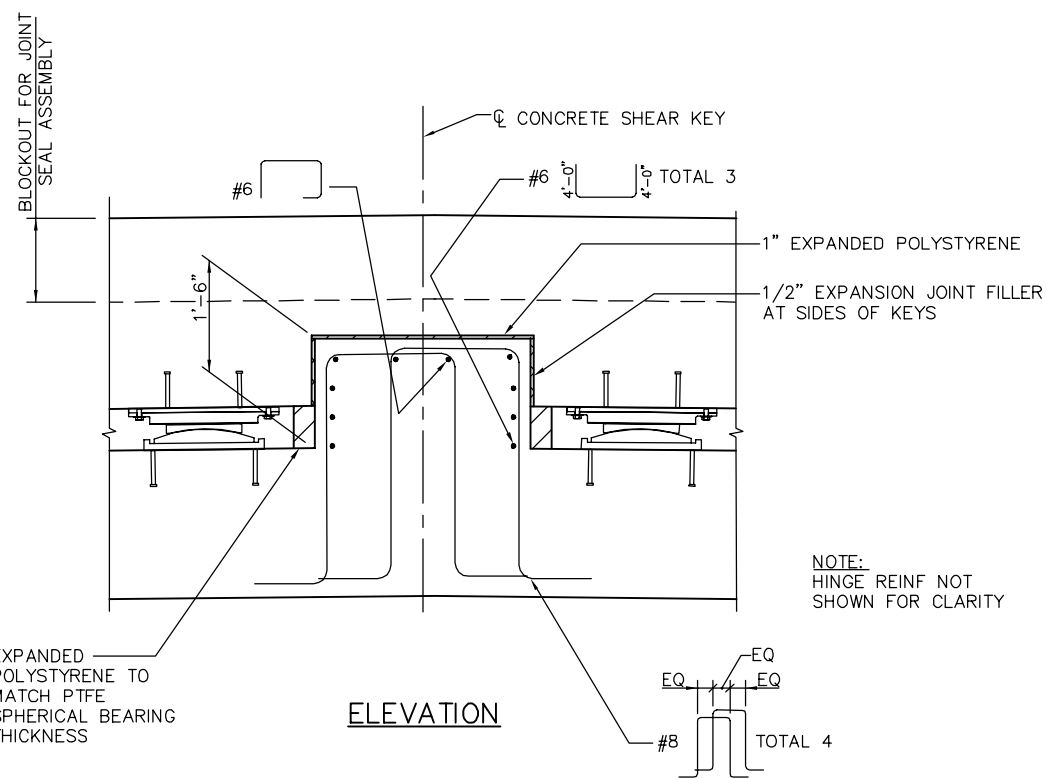
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE DETAILS No. 12

PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
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SHEET OF	
DRAWING NO.	SR439
REVISION	B



PLAN



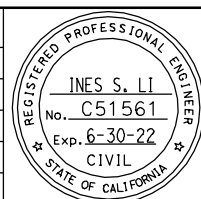
ELEVATION

1 SHEAR KEY AT HINGE 8
3/4" = 1'-0"

SMH Jun 21, 2020 - 11:15am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SR440.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR440.dwg



APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY HINGE DETAILS No. 13		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

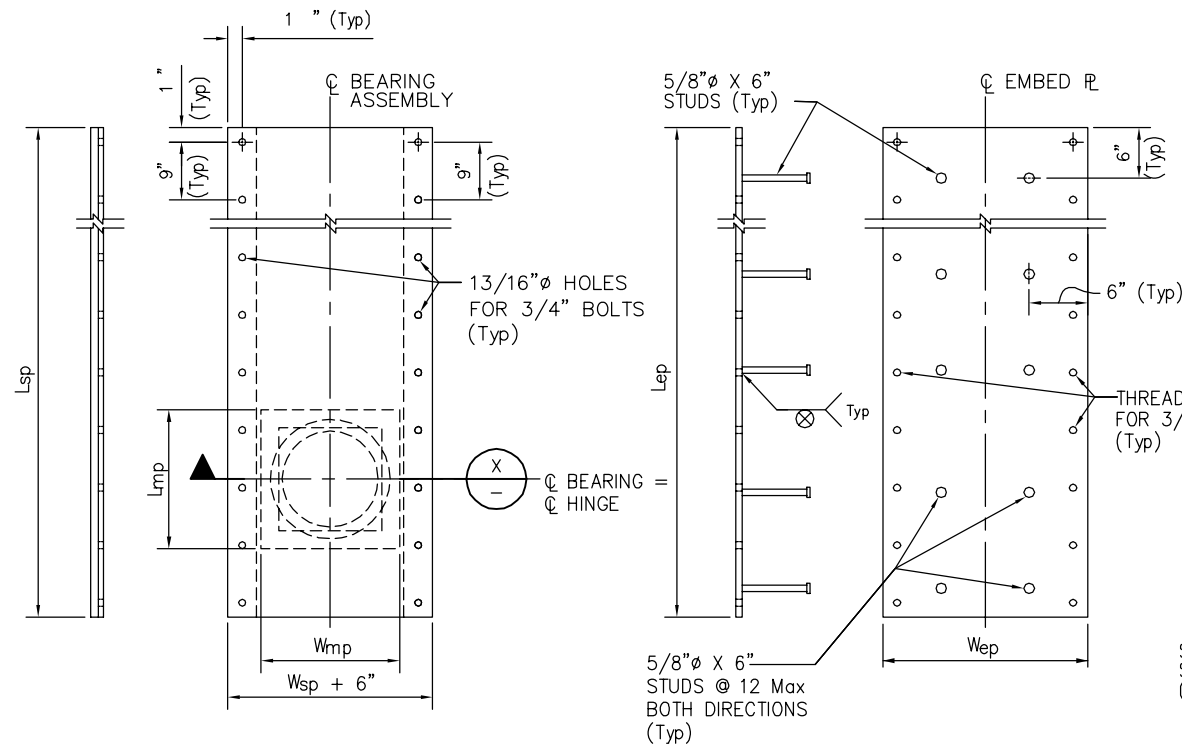
SHEET OF	DRAWING NO. SR440
REVISION	B

SLIDING BEARING TABLE

LOCATION	MAXIMUM VERTICAL LOAD(kips) (SEE NOTE 5)	MINIMUM VERTICAL LOAD(kips) (SEE NOTE 6)	MAXIMUM HORIZONTAL LOAD(kips) (SEE NOTE 7)	DESIGN ROTATION (Radians)	CONCAVE PLATE					CONVEX PLATE		MASONRY PLATE			SOLE PLATE			VERTICAL CLEARANCE C(min)	ASSEMBLY HEIGHT A _h	
					WIDTH / LENGTH L _{cp}	FLAT PTFE AREA A _{PTFE}	DIAMETER D _m	SPHERICAL RADIUS R	MINIMUM THICKNESS T _{min}	MAXIMUM THICKNESS T _{max}	DIAMETER C _m	MAXIMUM THICKNESS H _{act}	WIDTH W _{mp}	LENGTH L _{mp}	THICKNESS T _{mp}	WIDTH W _{sp} (SEE NOTE 13)	LENGTH L _{sp}			THICKNESS T _{sp}
HINGE 1-7, 9-34	541	353	54	0.035	15.625	156.25	14.5	31.25	0.75	1.875	16.625	2.25	20.0	20.0	1.50	19.0	32.0	2.0	0.50	6.563
HINGE 8	221	-	22	0.035	10.125	64.00	9.0	19.5	0.75	1.50	10.375	2.25	13.0	13.0	1.50	13.50	23.0	2.0	0.37	6.563

NOTES:

- All dimensions in inches
- H_{act} includes stainless steel
- A_h includes PTFE, substratum and stainless steel
- R is to sliding surface
- Maximum unfactored vertical load per bearing
- Minimum unfactored vertical load per bearing
- Maximum unfactored horizontal load per bearing
- Not all shear studs and convex R removal notches shown for clarity
- 10 GA stainless steel full perimeter fillet weld to carbon steel
- Notch in masonry plate for convex plate removal
- Fill gap around convex plate with silicone sealant
- Total sole plate width is equal to W_{sp} + 6". Horizontal dimensions of embed plate match those of sole plate
- Bearing must be set level.
- T_{sp} does not include the thickness of the stainless steel plate



SIDE VIEW

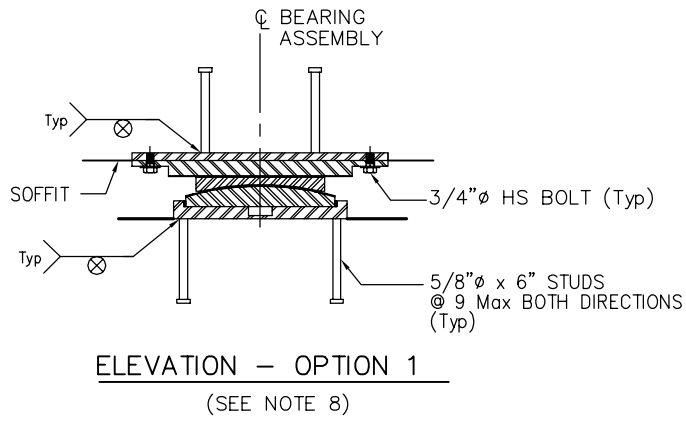
PLAN

SOLE PLATE

SIDE VIEW

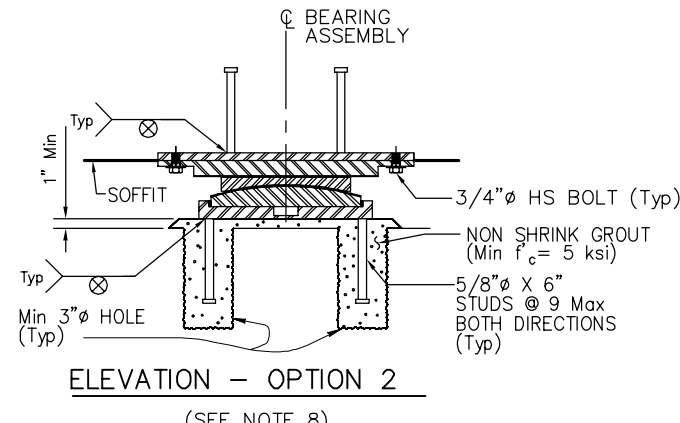
PLAN

EMBED PLATE



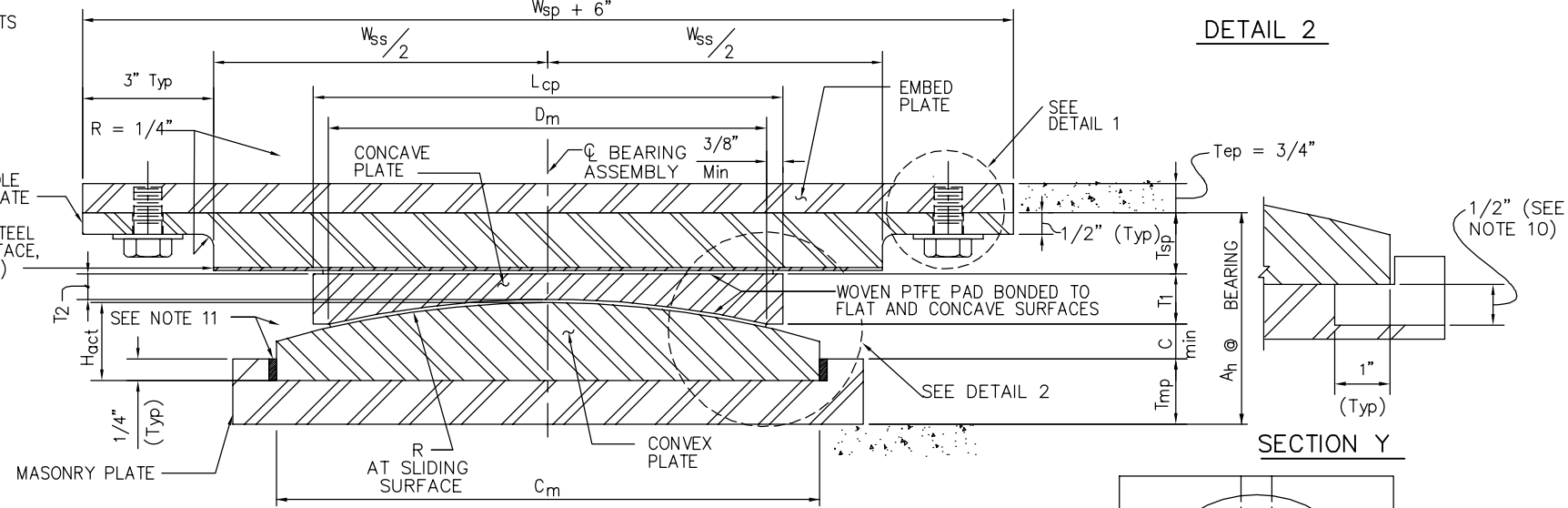
ELEVATION - OPTION 1

(SEE NOTE 8)



ELEVATION - OPTION 2

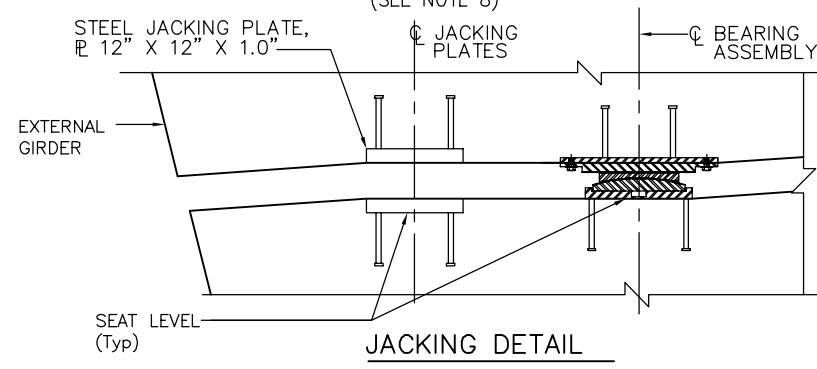
(SEE NOTE 8)



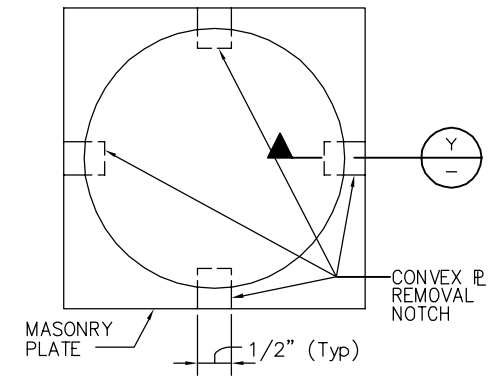
SECTION X

(SEE NOTE 8)

SECTION Y



JACKING DETAIL

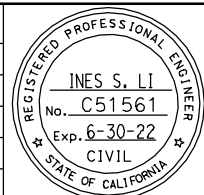


MASONRY PLATE PLAN

NO SCALE
PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR441.dwg

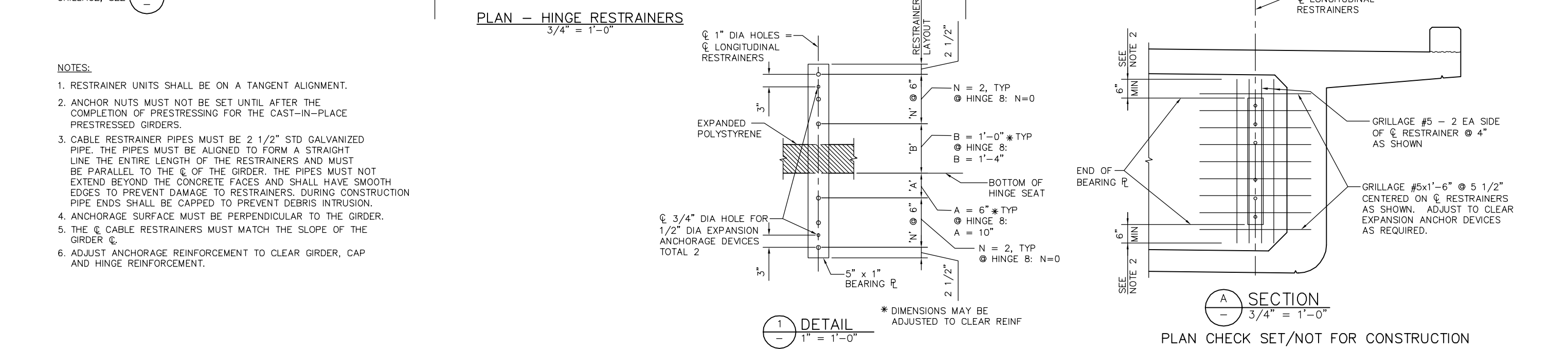
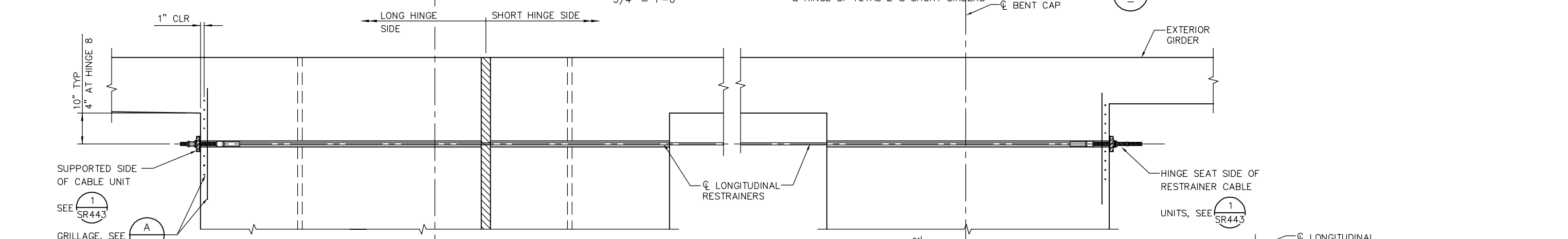
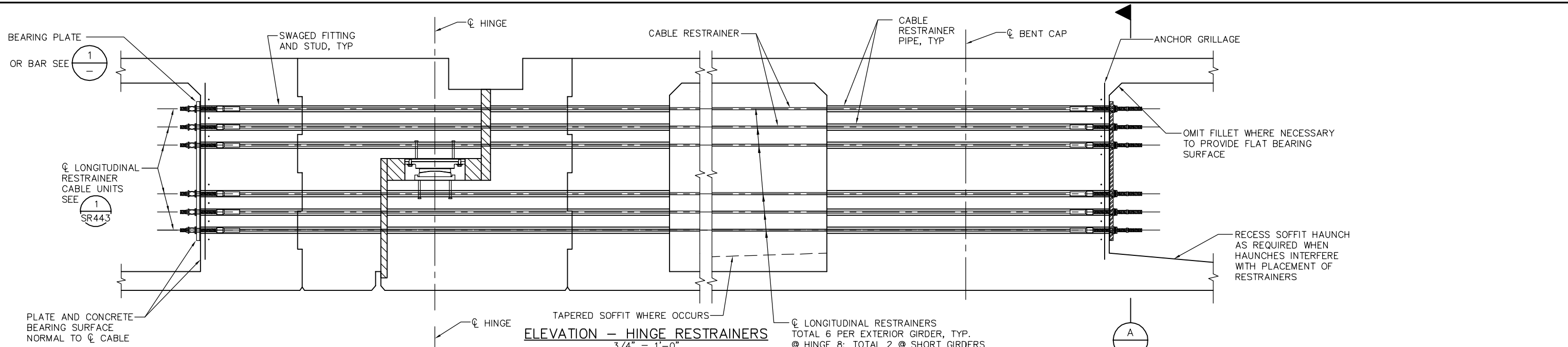
Santa Clara Valley
Transportation
Authority

APPROVED
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ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE BEARING DETAILS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SR441
REVISION B



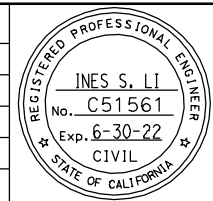
- NOTES:**
1. RESTRAINER UNITS SHALL BE ON A TANGENT ALIGNMENT.
 2. ANCHOR NUTS MUST NOT BE SET UNTIL AFTER THE COMPLETION OF PRESTRESSING FOR THE CAST-IN-PLACE PRESTRESSED GIRDERS.
 3. CABLE RESTRAINER PIPES MUST BE 2 1/2" STD GALVANIZED PIPE. THE PIPES MUST BE ALIGNED TO FORM A STRAIGHT LINE THE ENTIRE LENGTH OF THE RESTRAINERS AND MUST BE PARALLEL TO THE C OF THE GIRDER. THE PIPES MUST NOT EXTEND BEYOND THE CONCRETE FACES AND SHALL HAVE SMOOTH EDGES TO PREVENT DAMAGE TO RESTRAINERS. DURING CONSTRUCTION PIPE ENDS SHALL BE CAPPED TO PREVENT DEBRIS INTRUSION.
 4. ANCHORAGE SURFACE MUST BE PERPENDICULAR TO THE GIRDER.
 5. THE C CABLE RESTRAINERS MUST MATCH THE SLOPE OF THE GIRDER C.
 6. ADJUST ANCHORAGE REINFORCEMENT TO CLEAR GIRDER, CAP AND HINGE REINFORCEMENT.

1
-
1" = 1'-0"

* DIMENSIONS MAY BE ADJUSTED TO CLEAR REINF

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
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San Jose, California 95128
408-296-5315

DESIGNED
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CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SR442.dwg

Santa Clara Valley Transportation Authority

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CADD FILE DATE
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SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE RESTRAINER DETAILS No. 1

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION PROJECTWISE

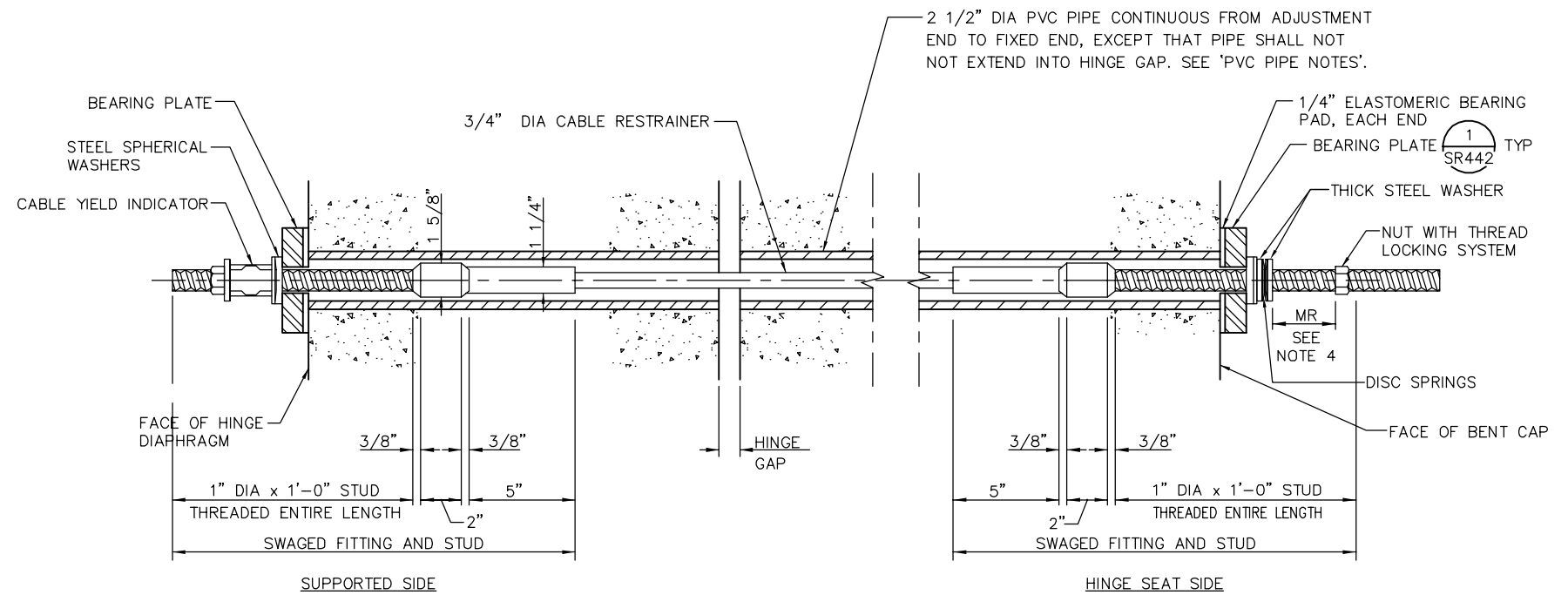
SHEET OF
DRAWING NO. SR442
REVISION B

DISC SPRINGS AND WASHER DIMENSIONS

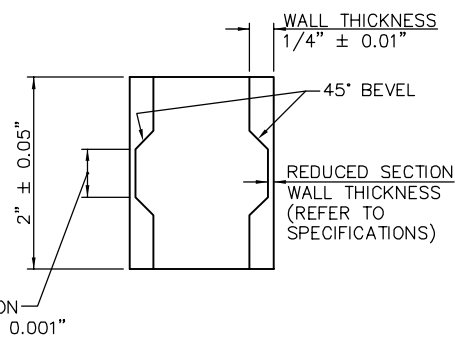
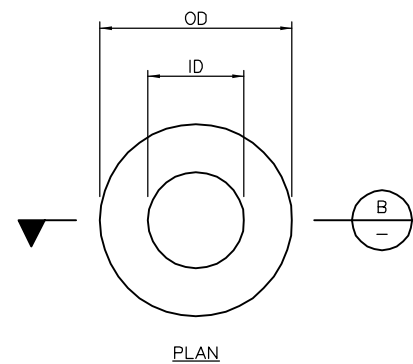
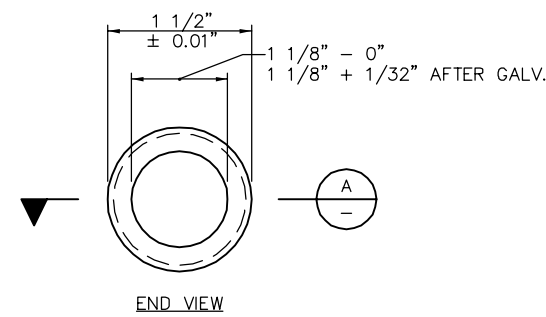
RESTRAINER LENGTH L (FT)	DISC SPRING					STEEL SPHERICAL WASHER			THICK WASHER		
	ID	OD	t	H	Color code	ID	OD	Nom thk.	ID	OD	t(min)
0 - 25	1.125	2.0	0.065	0.130	WHITE	1.125	2.00	0.75	1.125	2.0	0.25
25.1 - 31.8	1.125	2.0	0.084	0.136	RED	1.125	2.00	0.75	1.125	2.0	0.25
31.9 - 37.7	1.125	2.0	0.097	0.145	BLUE	1.125	2.00	0.75	1.125	2.0	0.25
37.8 - 45	1.125	2.5	0.120	0.180	YELLOW	1.125	2.5	0.75	1.125	2.5	0.25

NOTES:

- FOR LIMITS OF LENGTH L, USE EFFECTIVE LENGTH OF CABLE, FROM FACE-TO-FACE OUTER SURFACES OF BEARING PLATE. REFER TO 'STRUCTURE PLANS' AND 'HINGE DETAILS' SHEETS FOR APPROXIMATE LENGTH REQUIRED.
- ALL OD AND ID DIMENSIONS FOR WASHERS AND DISC SPRINGS SHALL MEET THE DIMENSIONAL TOLERANCES FOR HARDEN STEEL WASHERS, ASTM F436.
- DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED.

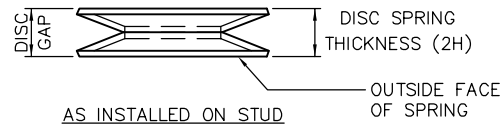
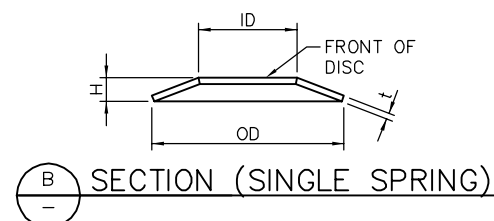


1 DETAIL - LONGITUDINAL RESTRAINER CABLE UNIT
3" = 1'-0"



A SECTION

NOTE:
ALL EXPOSED, NON-PAINTED
HARDWARE MUST BE GALVANIZED.
ALL DIMENSIONS ARE BEFORE
GALVANIZING EXCEPT AS NOTED.



NOTE:
FOR DIMENSIONS NOT SHOWN, SEE TABLE

2 CABLE YIELD INDICATOR DETAIL
NTS

3 DISC SPRING DETAIL
NTS

RESTRAINER UNIT INSTALLATION PROCEDURE

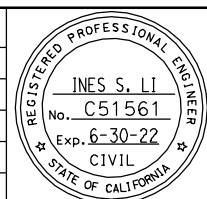
FOR TYPICAL STRAIGHT RESTRAINERS, GIRDER TO OPPOSITE GIRDER ALIGNMENT:

- INSTALL SPHERICAL WASHERS, THICK WASHERS, CABLE YIELD INDICATOR AND NUT WITH THREAD LOCKING SYSTEM ON THE SUPPORTED SIDE.
- INSTALL SPHERICAL WASHERS, THICK WASHERS, DISC SPRING AND NUT ON THE HINGE SEAT SIDE.
- TIGHTEN NUTS ON THE HINGE SEAT SIDE OF THE RESTRAINER UNITS UNTIL THE DISC SPRINGS COLLAPSE AND THERE IS NO DISC GAP REMAINING BETWEEN THE DISCS.
- PLACE THREAD LOCKING SYSTEM ON THE THREADED STUD AND BACK OFF THE NUT FROM THE DISC SPRING A DISTANCE EQUAL TO THE MAXIMUM ADDITIONAL AMOUNT THAT THE HINGE IS EXPECTED TO OPEN, RELATIVE TO EXISTING AMBIENT CONDITIONS, FOR THE MOVEMENT RATING (MR) AS SHOWN ON THE STRUCTURE PLANS.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

BCA

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR443.dwg



BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

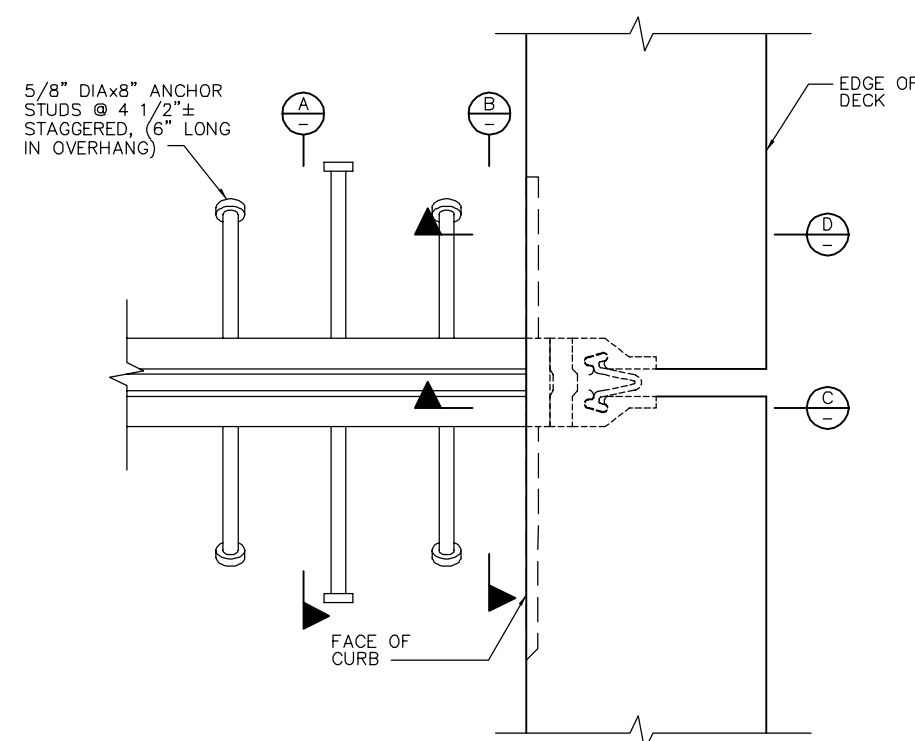
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SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

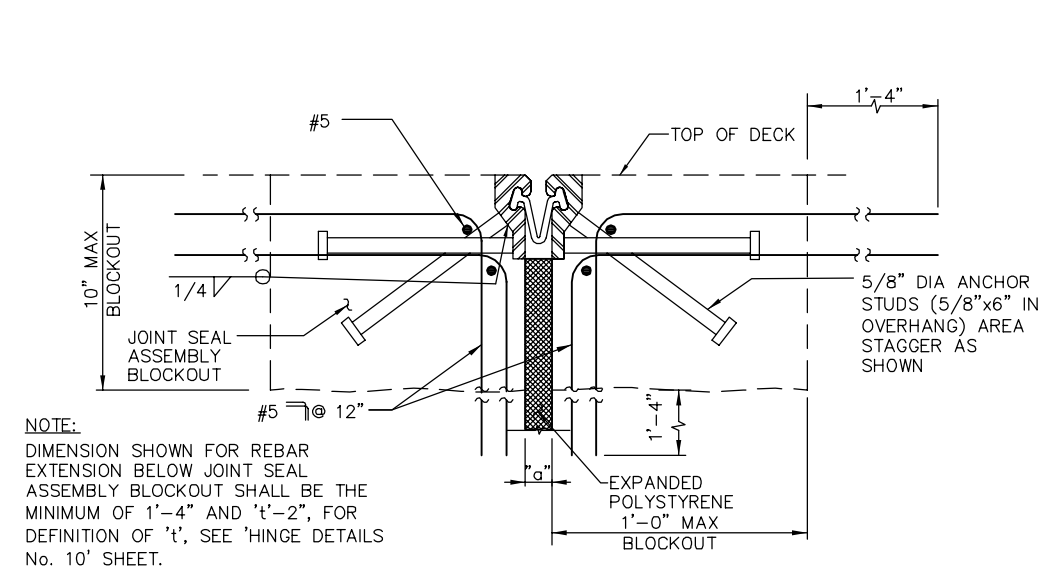
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
HINGE RESTRAINER DETAILS No. 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR443
REVISION	B



1
-
NTS
DETAIL - STUD LAYOUT



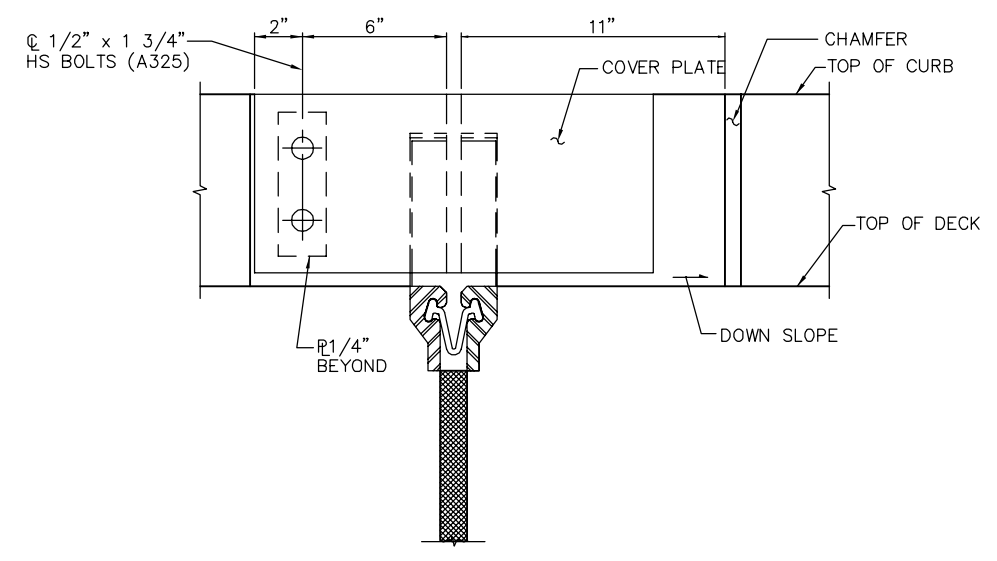
NOTE:
DIMENSION SHOWN FOR REBAR EXTENSION BELOW JOINT SEAL ASSEMBLY BLOCKOUT SHALL BE THE MINIMUM OF 1'-4" AND 't'-2", FOR DEFINITION OF 't', SEE 'HINGE DETAILS No. 10' SHEET.

A
-
NTS
SECTION

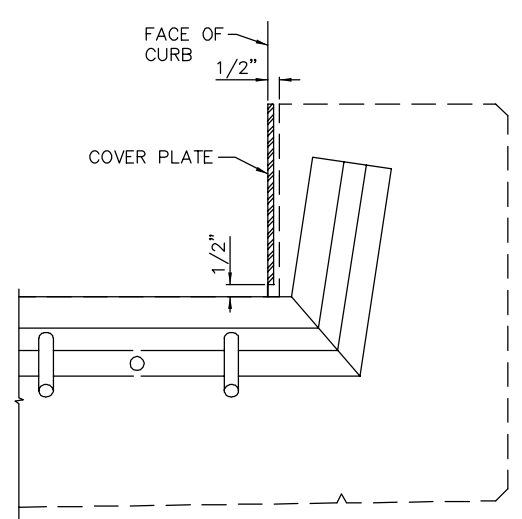
- NOTES:
- FULL PENETRATION BUTT WELDS MAY BE SUBSTITUTED FOR FILLET WELDS ON ALL ANCHOR STUDS.
 - ALTERNATE TYPES OF ANCHOR STUDS MAY BE PERMITTED SUBJECT TO THE APPROVAL BY THE ENGINEER.
 - JOINT SEAL ASSEMBLY TO BE USED IN CONJUNCTION WITH CLOSURE POUR. CLOSURE POUR SHALL NOT BE PLACED UNTIL FINAL DECK SURFACE IS WITHIN THE TOLERANCE SPECIFIED.
 - JOINT SEAL ASSEMBLY TO BE FABRICATED IN 14' MAX LENGTHS. USE JOINT AT CROWN OF DECK AND AT ANY CHANGE IN TRANSVERSE SLOPE IN DECK. ALL METAL PARTS TO BE GALVANIZED AFTER FABRICATION.
 - SHEET NEOPRENE SHALL BE FABRICATED IN ONE CONTINUOUS PIECE OR JOINTS SHALL BE VULCANIZED. NEOPRENE SHALL BE FABRICATED TO BEND AROUND CORNERS. 1" HOLES IN NEOPRENE SHEETS SHALL BE DRILLED OR PUNCHED SO THAT THE NEOPRENE IS NOT DISTORTED AT THE TIME OF INSTALLATION.

LOCATION	MOVEMENT RATING (MR)	SKEW	"a" DIMENSIONS		
			WINTER	SPRING & FALL	SUMMER
ABUT 76	2 1/2"	0	1 1/2"	1 1/8"	3/4"
HINGES 1, 2, 29, 30, 31, & 32	3 1/2"	0	2"	1 1/2"	1"
HINGES 4-6, 9-19, 22, 23, & 26-28	4"	0	2"	1 1/2"	1"

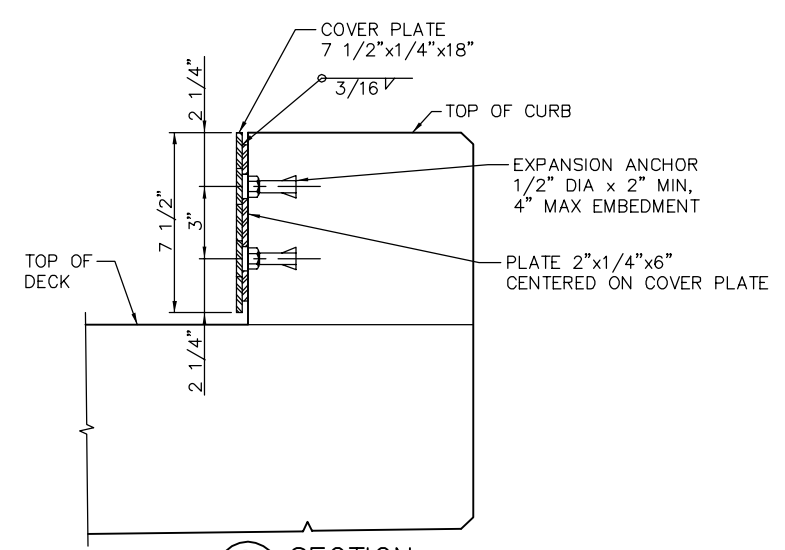
NOTE:
FOR DETAILS NOT SHOWN, SEE PROJECT PLANS



B
-
NTS
SECTION



C
-
NTS
SECTION

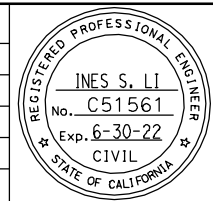


D
-
NTS
SECTION

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SR444.dwg

Santa Clara Valley
Transportation
Authority

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ENGINEERS / SURVEYORS / PLANNERS

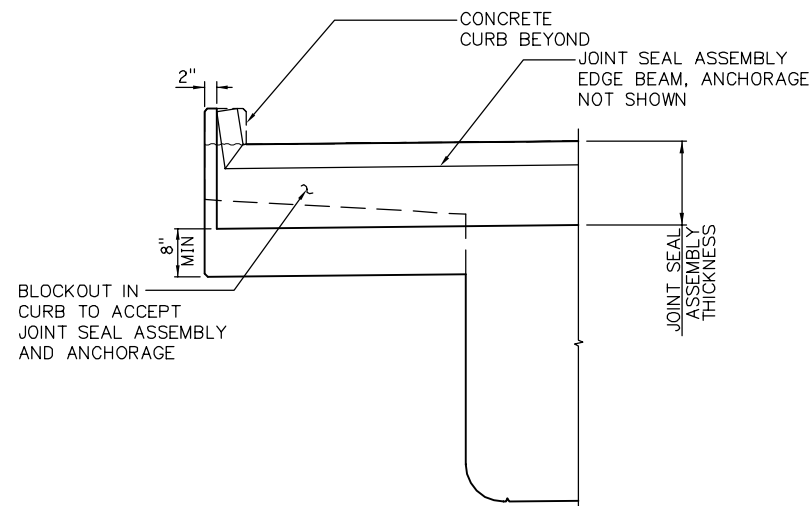
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

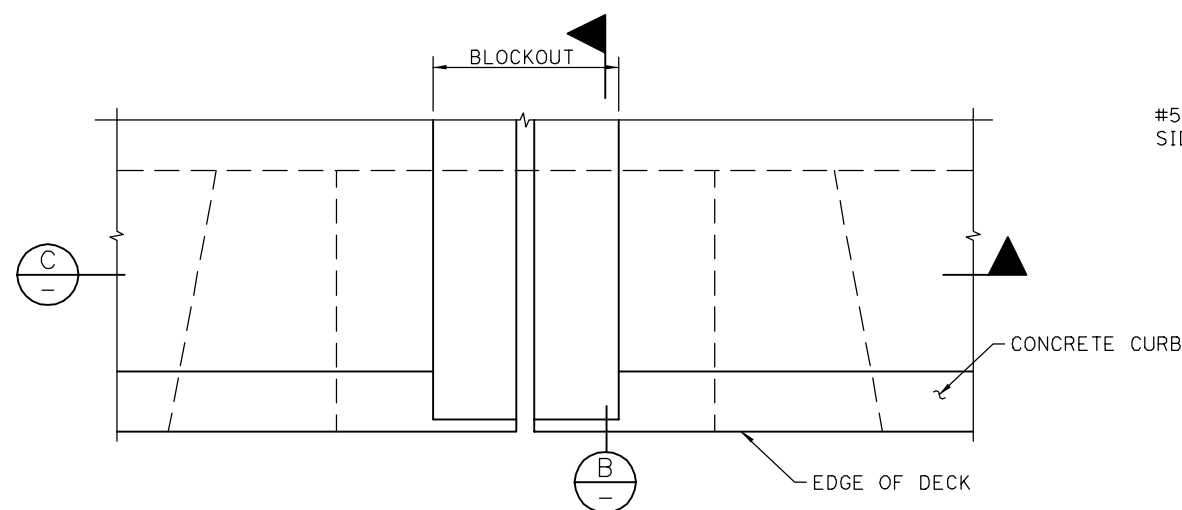
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
JOINT SEAL ASSEMBLY MR = 4" MAX

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

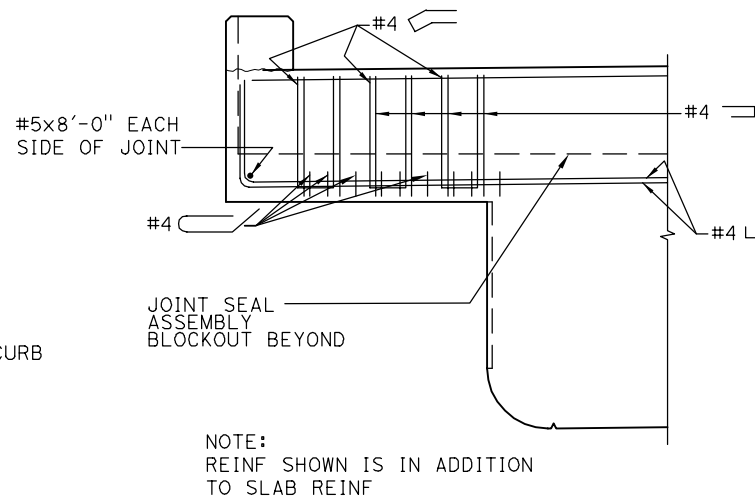
SHEET OF DRAWING NO. SR444
REVISION B



A SECTION - SEAL INSTALLATION
 3/4" = 1'-0"

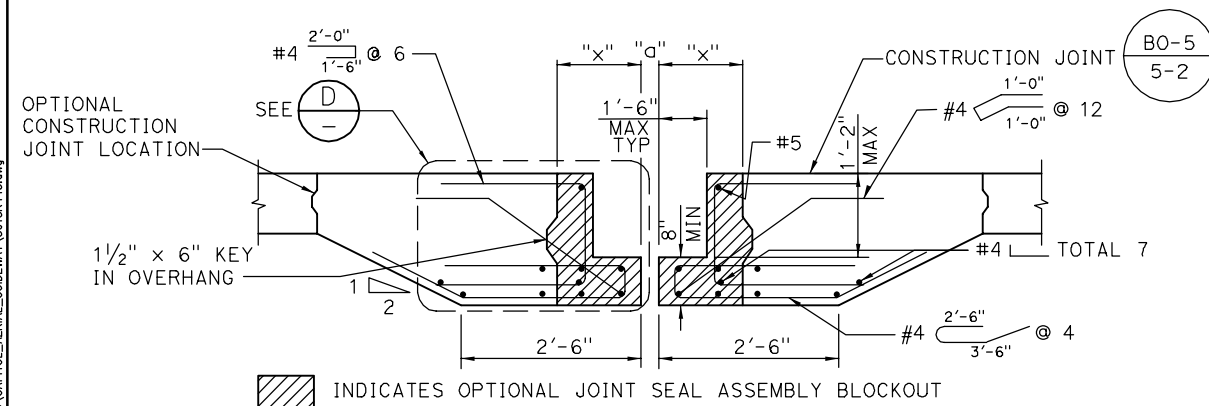


C PLAN - DECK JOINT
 3/4" = 1'-0"

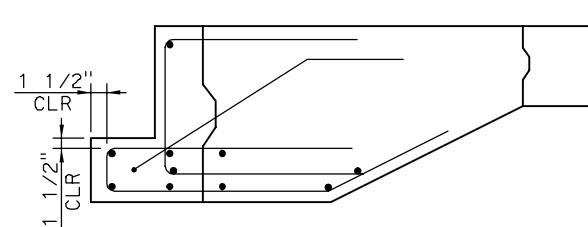


B SECTION
 3/4" = 1'-0"

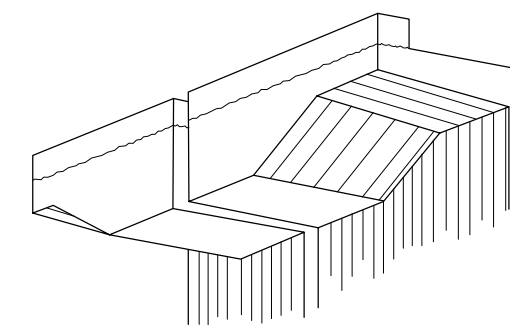
JOINT INFORMATION	"a" DIMENSIONS					
	LOCATION	MOVEMENT RATING (MR)	SKEW	WINTER	SPRING & FALL	SUMMER
HINGE 3, 7		5"	0	2 1/2"	1 7/8"	1 1/4"
HINGE 8, 20, 21, 24, & 25		5 1/2"	0	2 1/2"	1 7/8"	1 1/4"
HINGE 33, 34		6"	0	3"	2 1/4"	1 1/2"



C SECTION
 3/4" = 1'-0"



D SECTION
 1" = 1'-0"



DECK OVERHANG AT HINGE
 NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

REGISTERED PROFESSIONAL ENGINEER
INES S. LI
 No. C51561
 Exp. 6-30-22
 CIVIL
 STATE OF CALIFORNIA

SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
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 San Jose, California 95128
 408-296-5515

DESIGNED: **D. CHAN**
 DRAWN: **S. HICKEY**

CHECKED: **D. DEVLIN**
 CADD FILENAME: **801SR445**

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Santa Clara Valley Transportation Authority

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CADD FILE DATE: **05/18/20**
 SUBMITTAL DATE: **06/29/20**

SCALE: **AS SHOWN**
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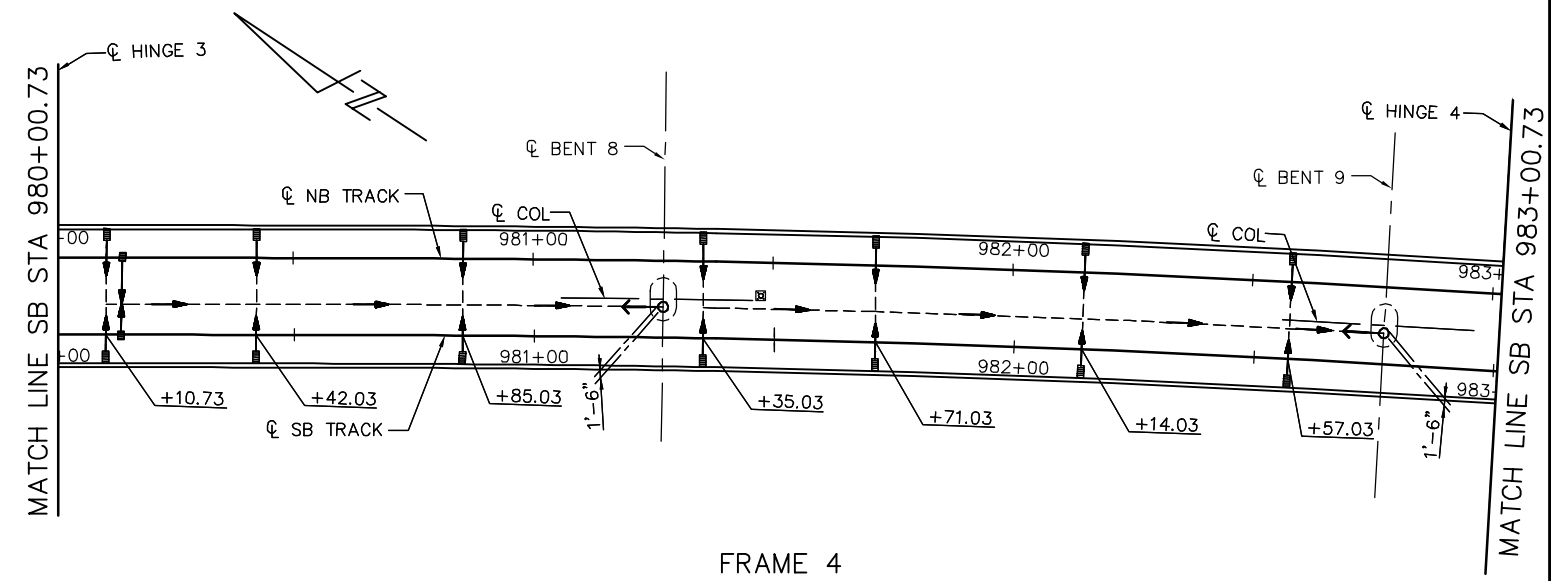
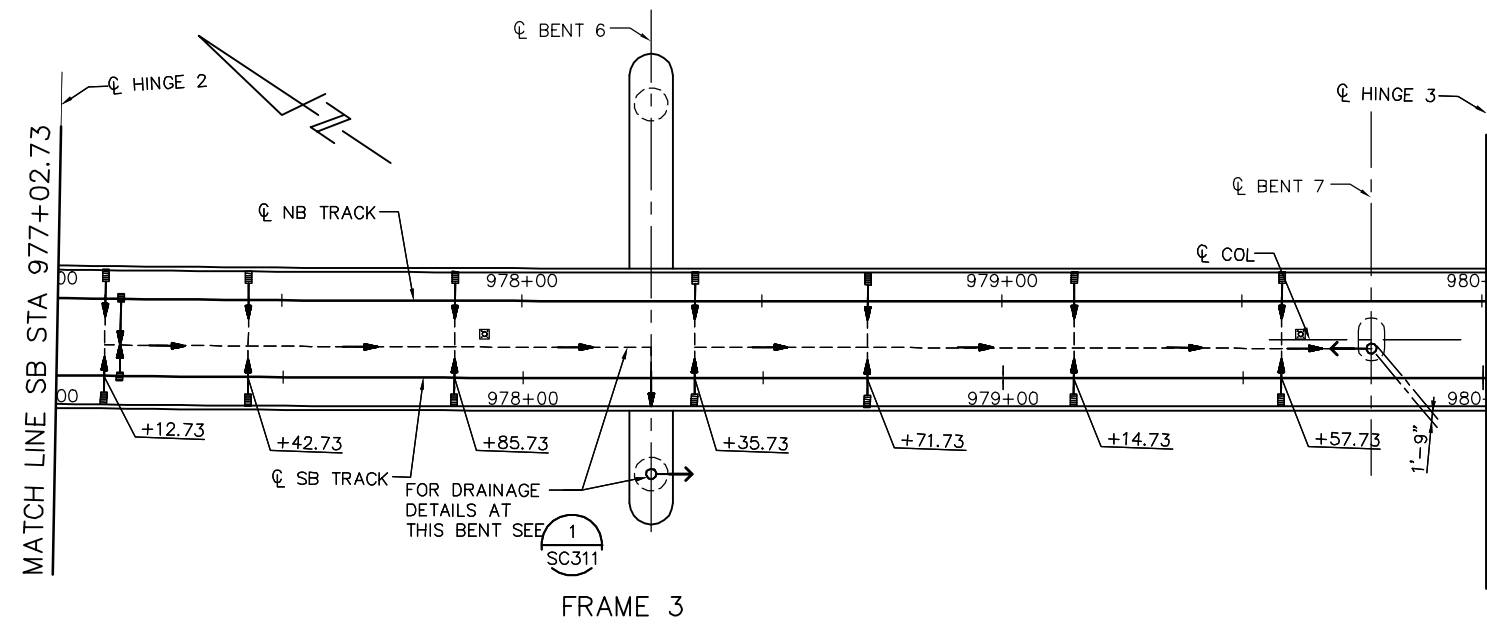
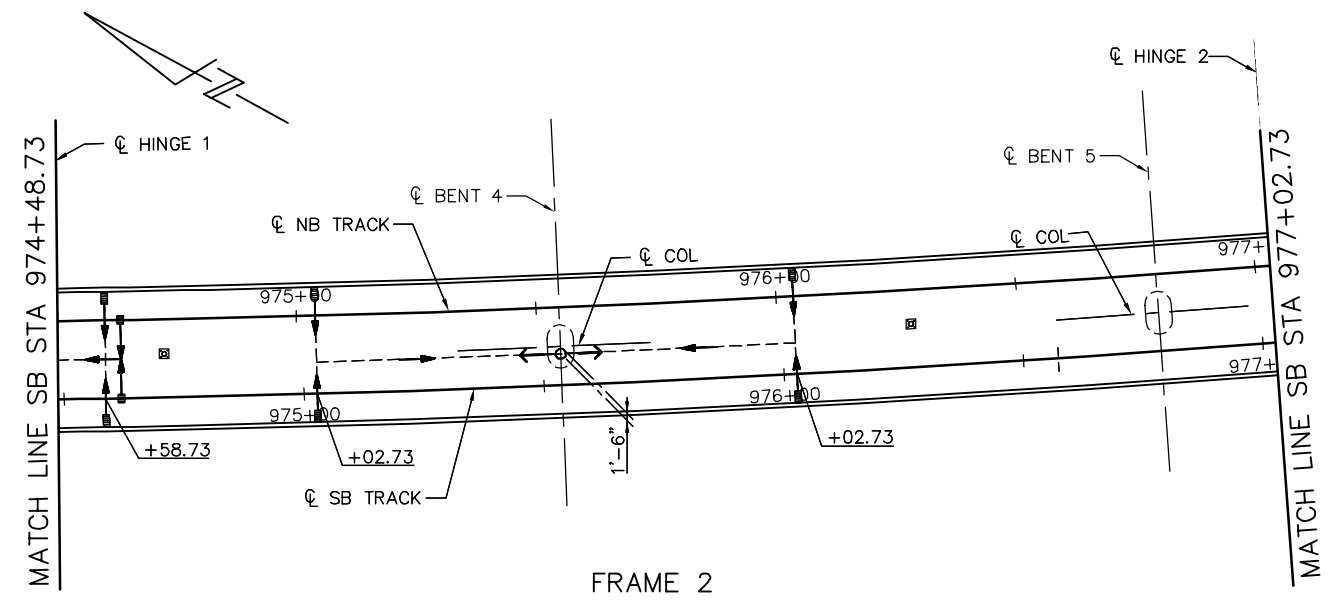
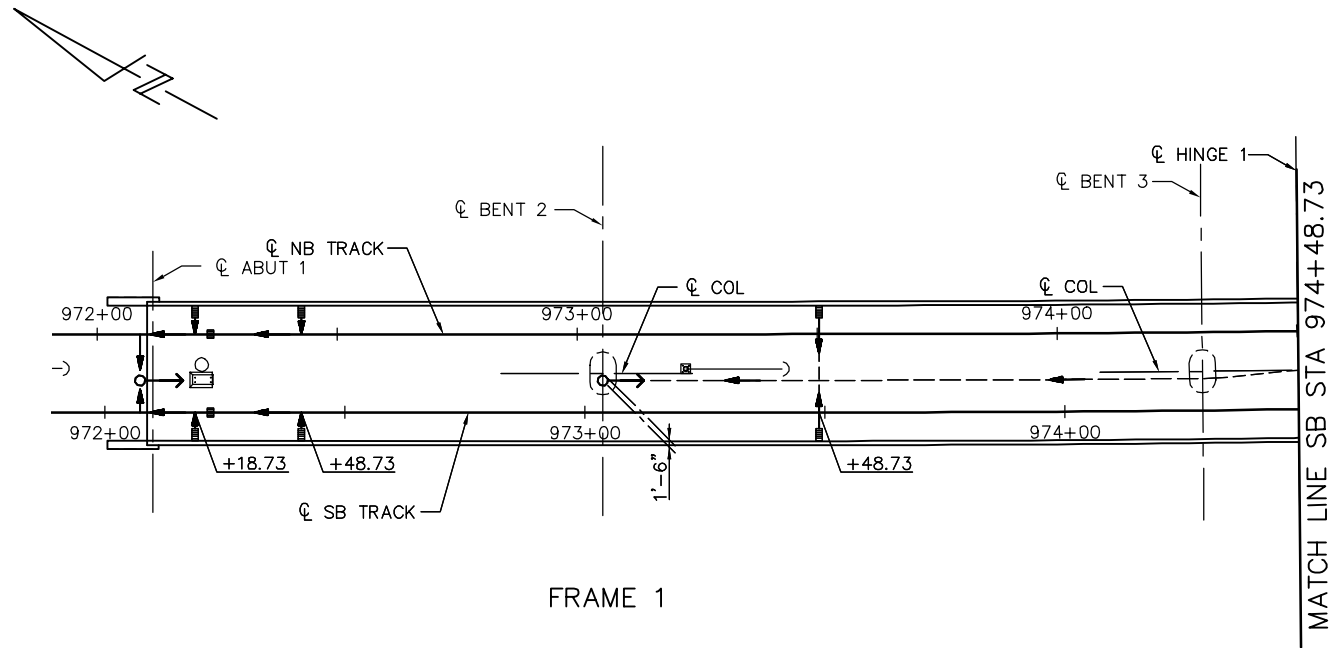
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 JOINT SEAL ASSEMBLY MR > 4"

PCA NO.: **000**
 CONTRACT NO.: **C801**
 FILE LOCATION: **PROJECTWISE**

SHEET OF: **SR445**
 REVISION: **A**

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

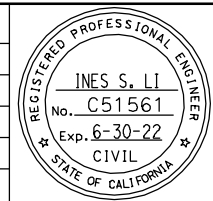


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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San Jose, California 95128
408-296-5315

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DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD301.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

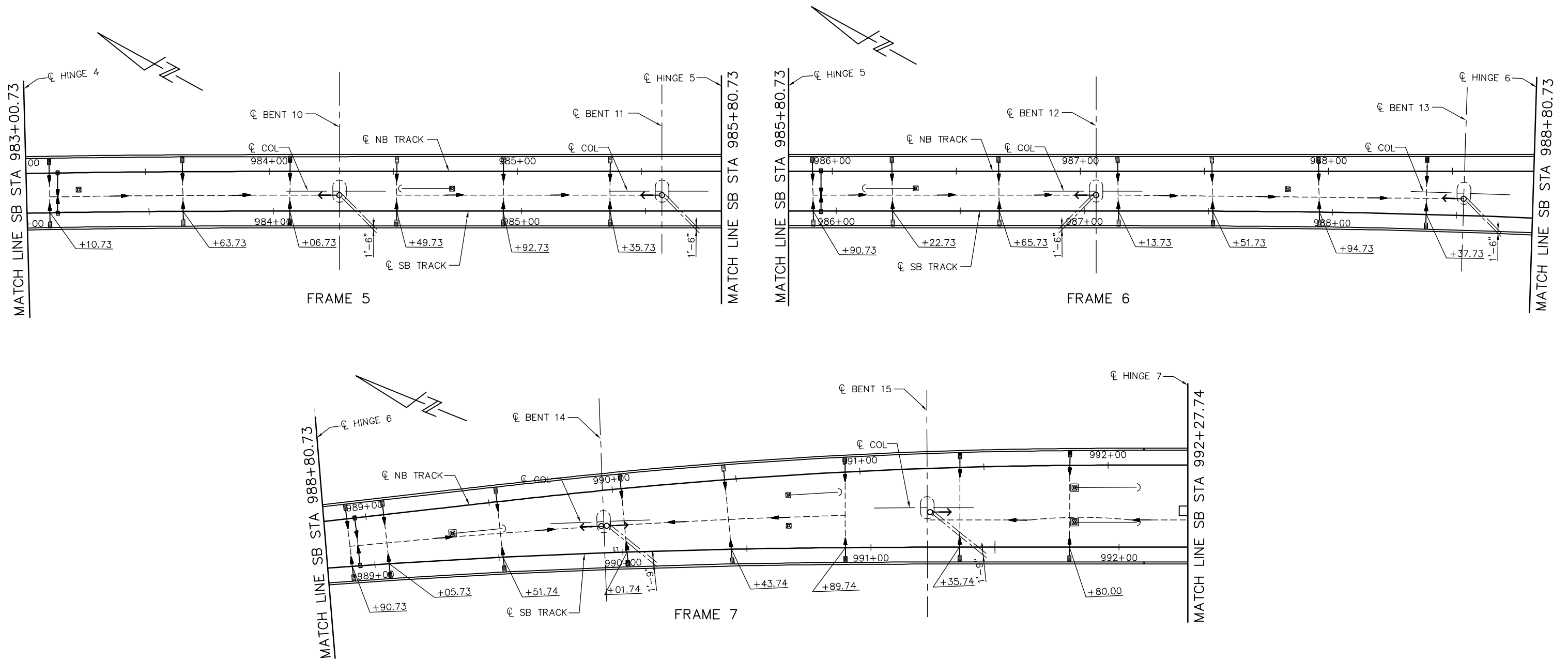
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SD301 REVISION A

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

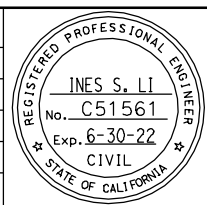


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD302.dwg



APPROVED

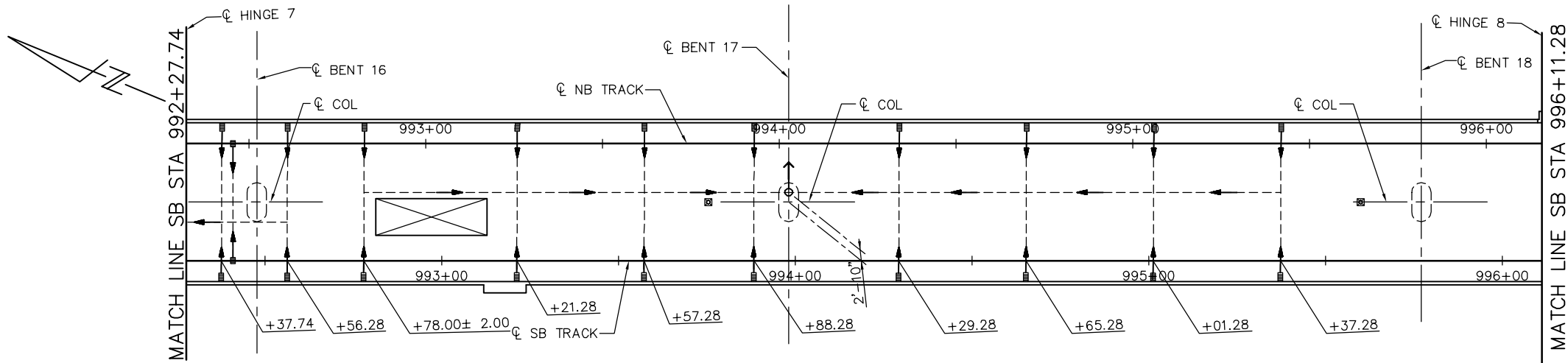
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

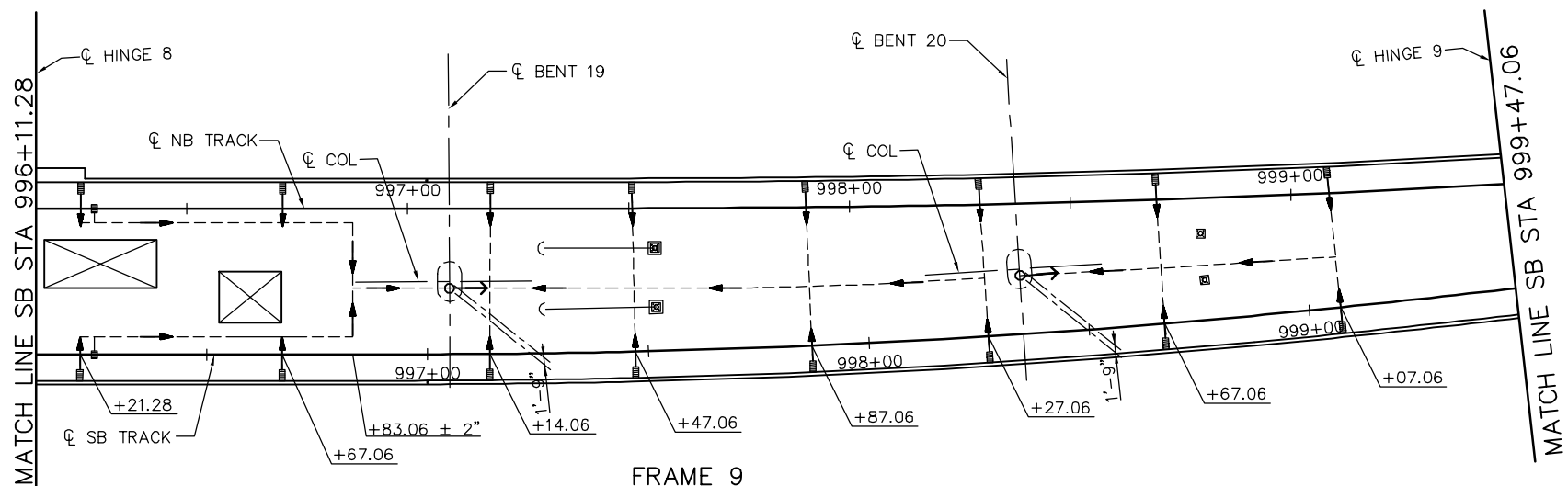
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

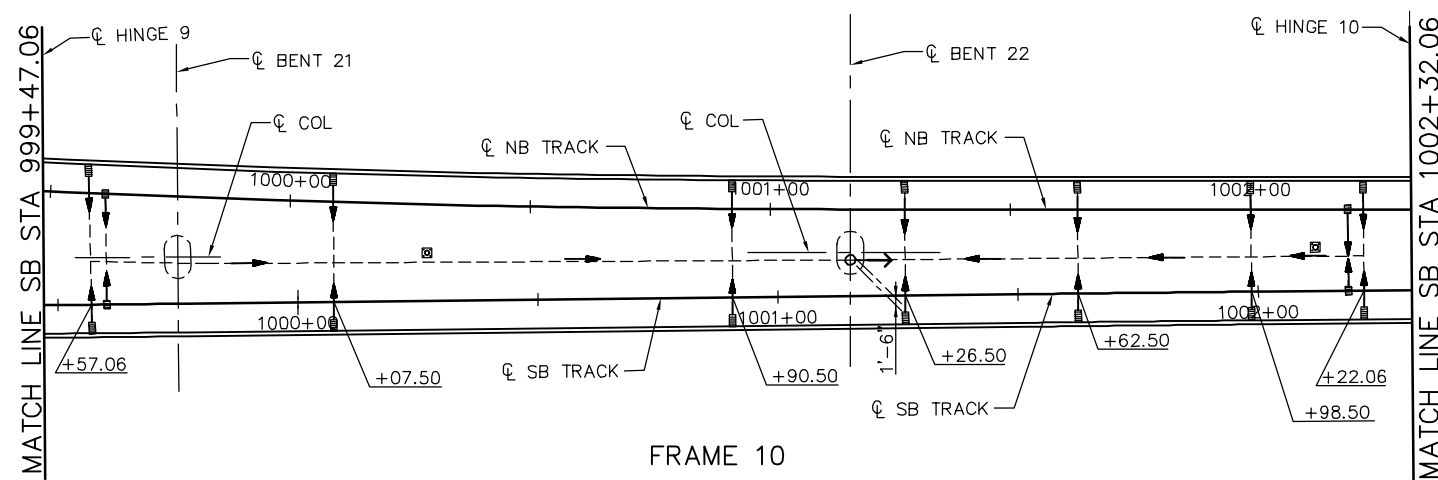
SHEET OF	SD302
DRAWING NO.	SD302
REVISION	A



FRAME 8



FRAME 9



FRAME 10

DRAINAGE PLAN
NTS

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:21am W:\2017\103\CAPITOL_SERIAL_GUIDEWAY\801SD303.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SD303.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
NTS

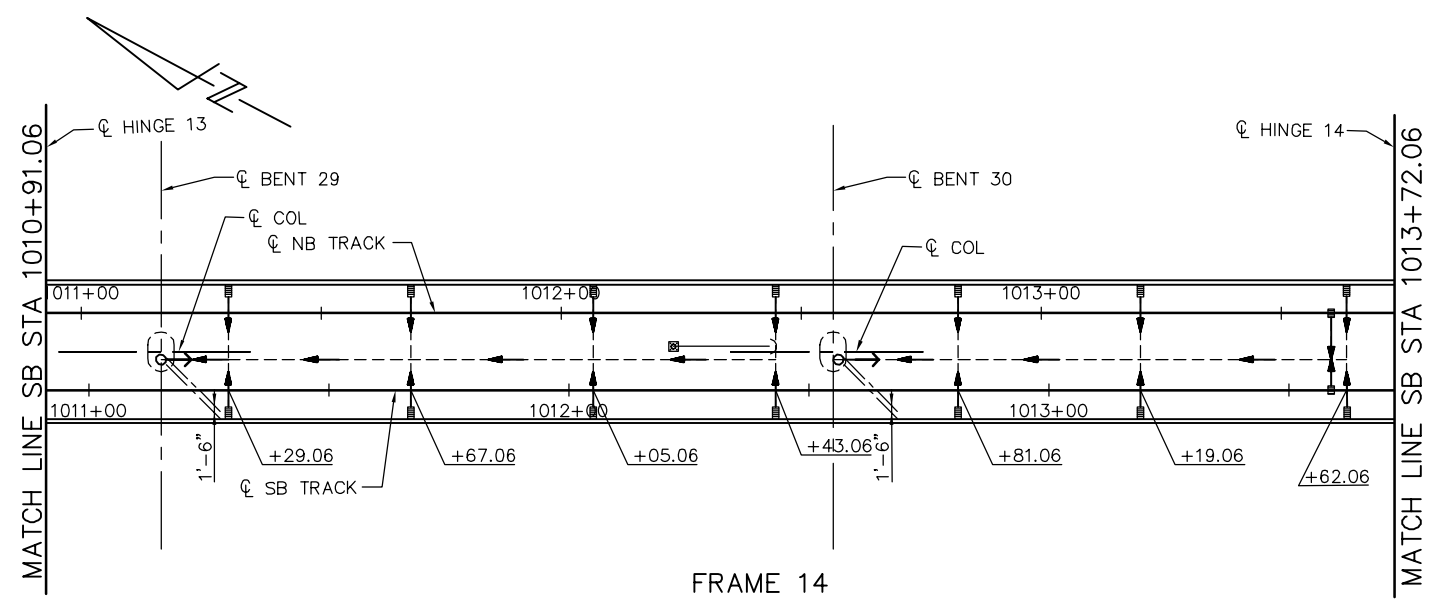
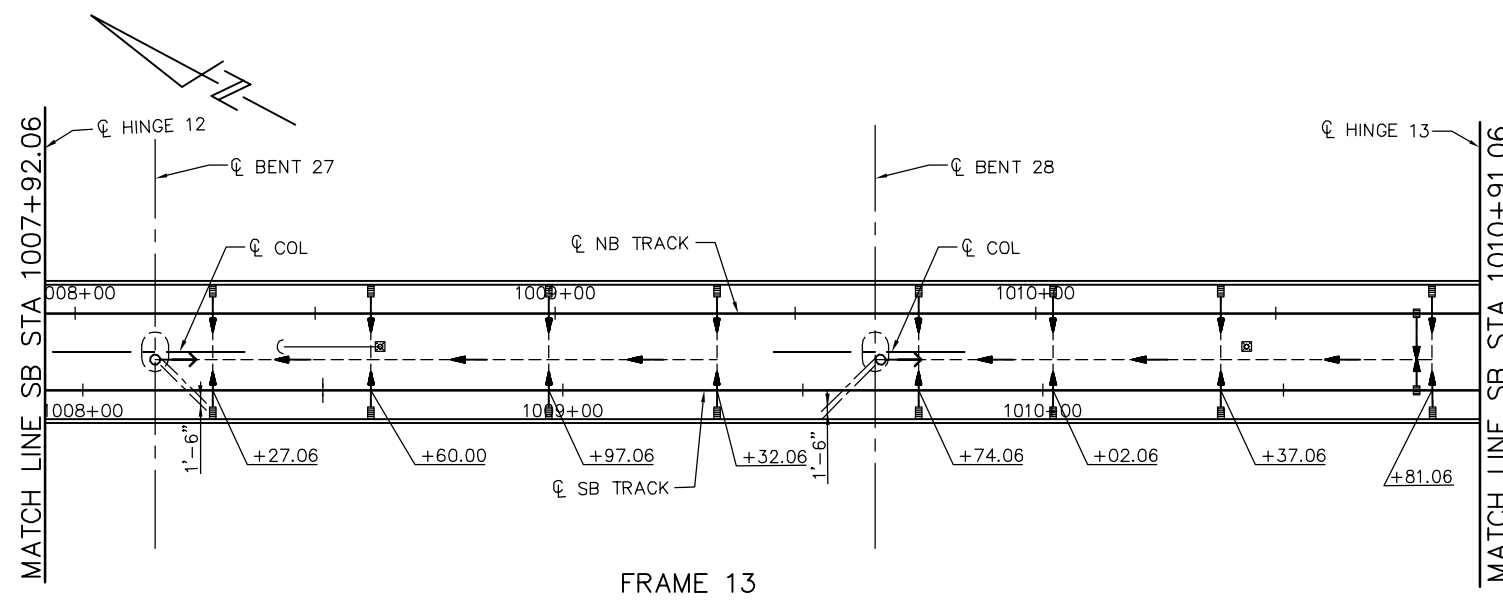
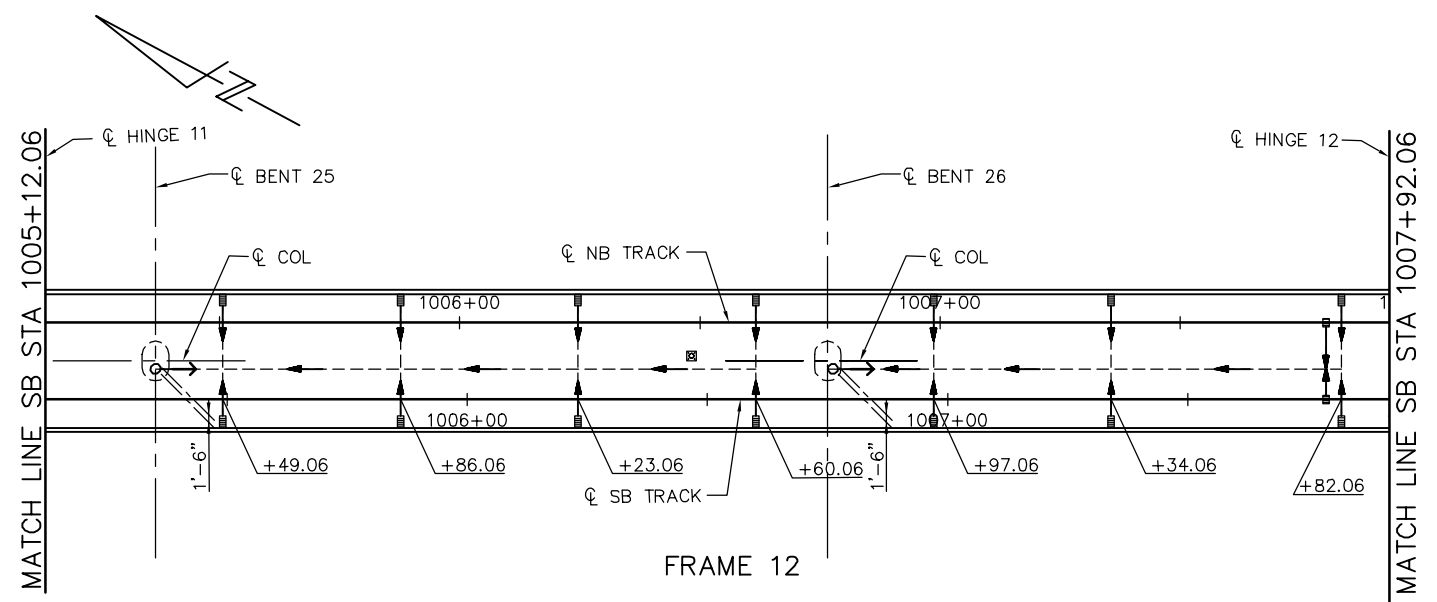
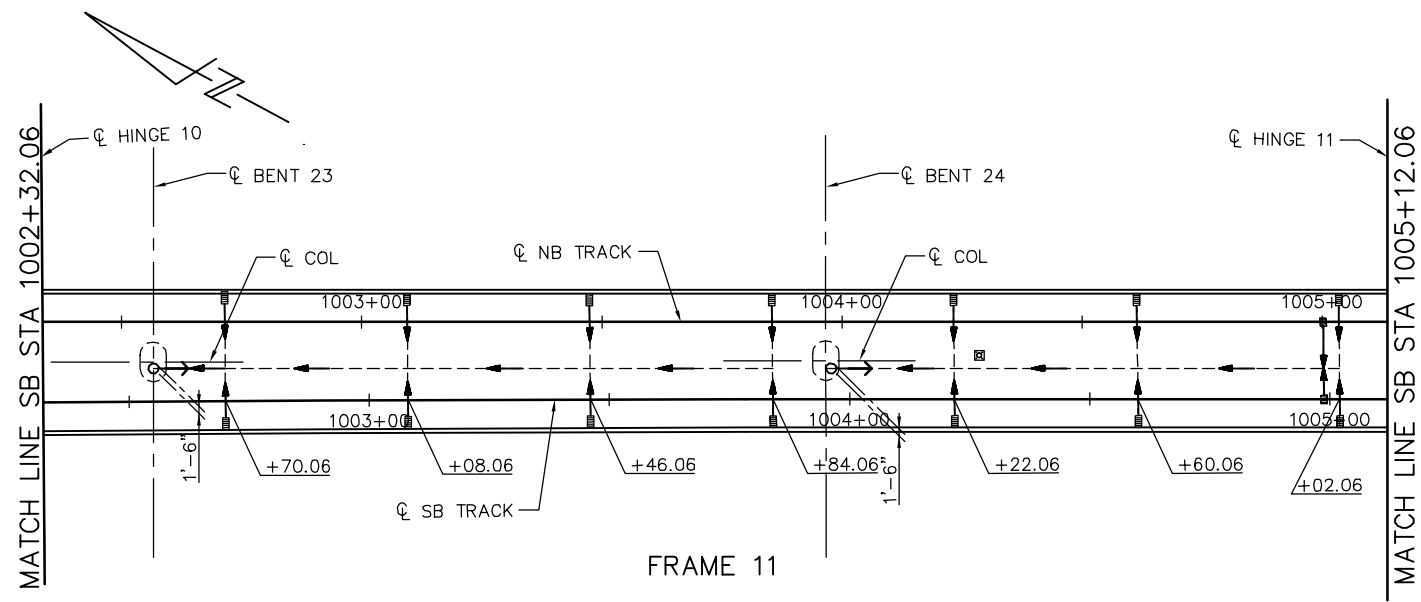
SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY DRAINAGE PLAN No. 3			SHEET OF DRAWING NO. SD303 REVISION A
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

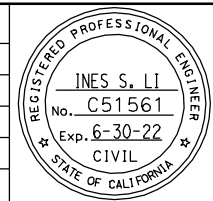


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:22am W:\2017\201703\CAPITOL_AERIAL_GUIDEWAY\801SD304.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD304.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

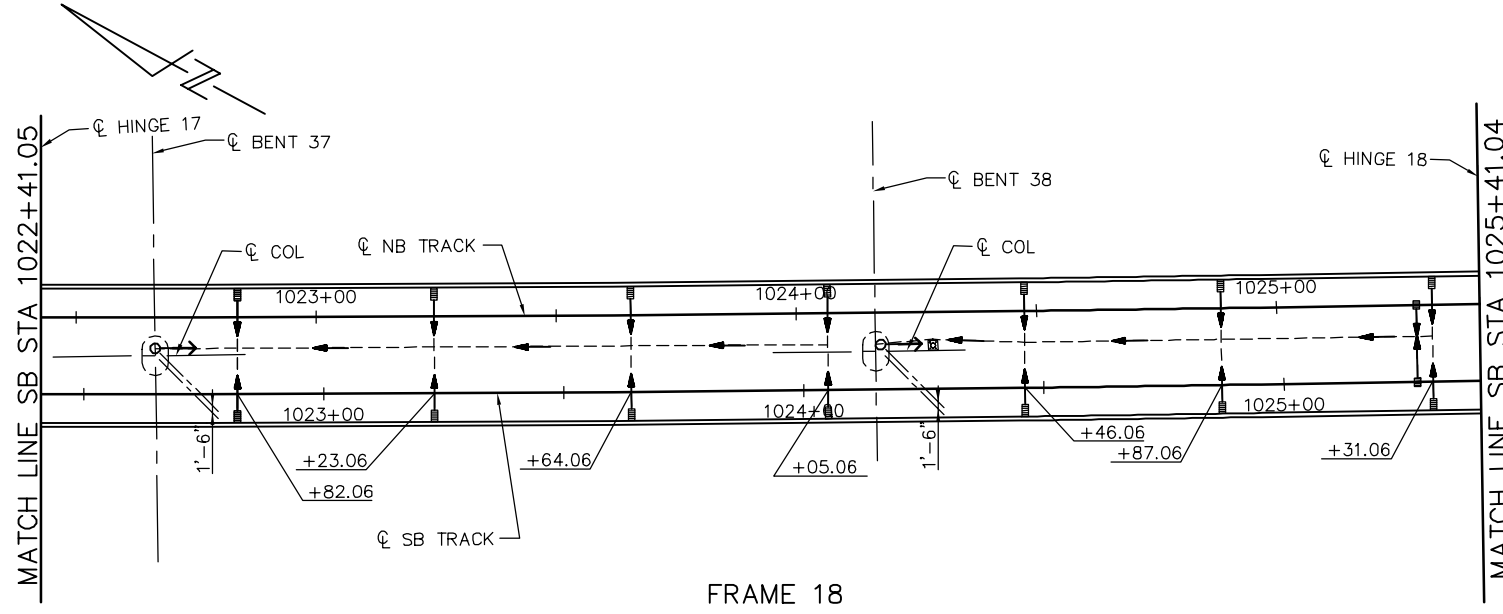
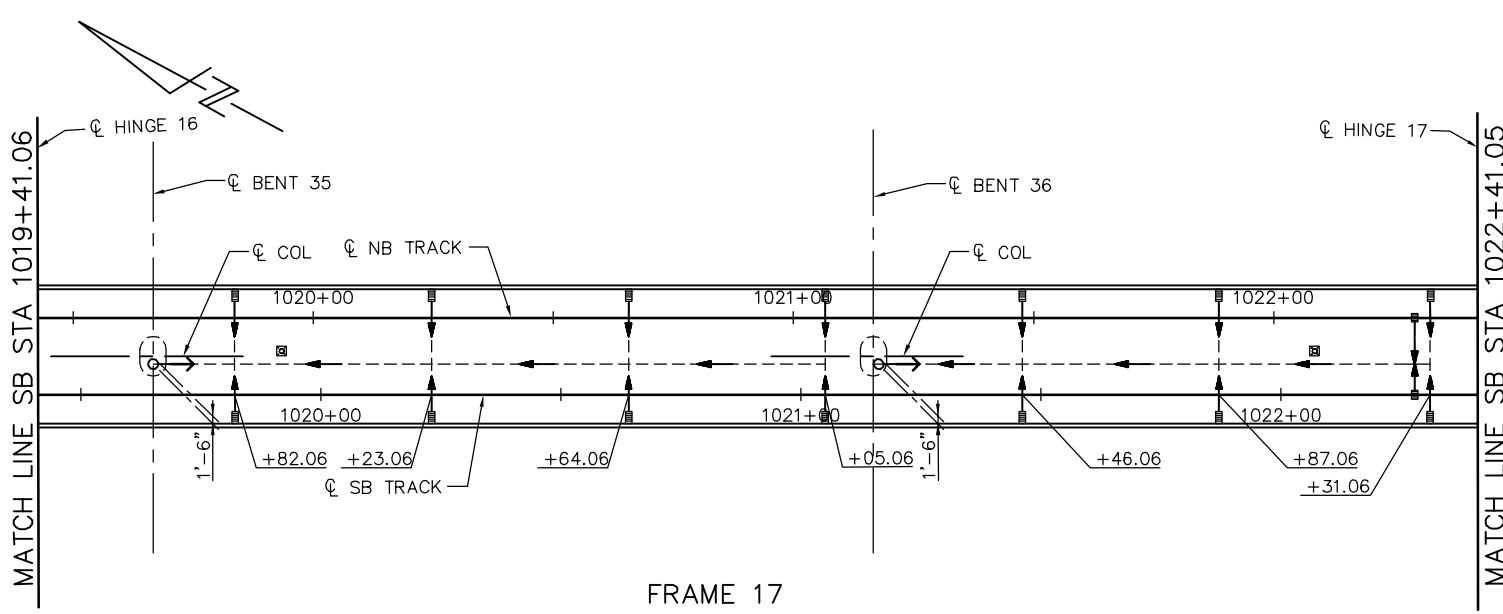
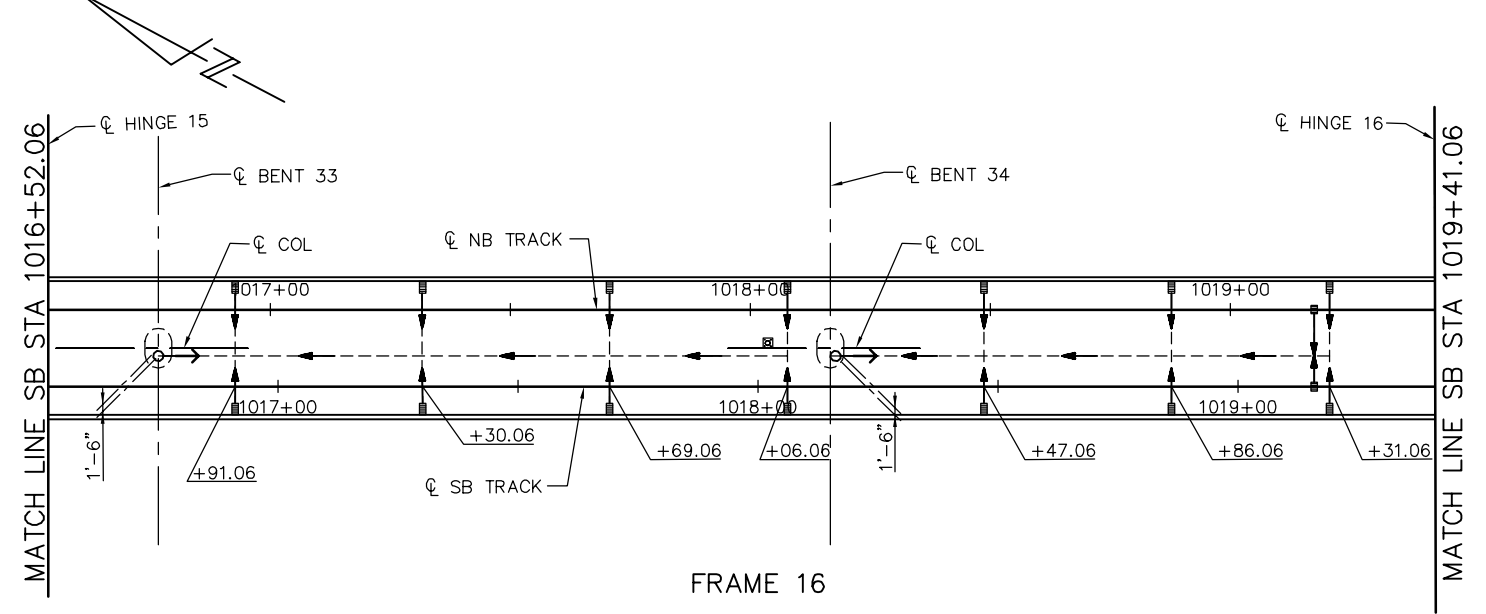
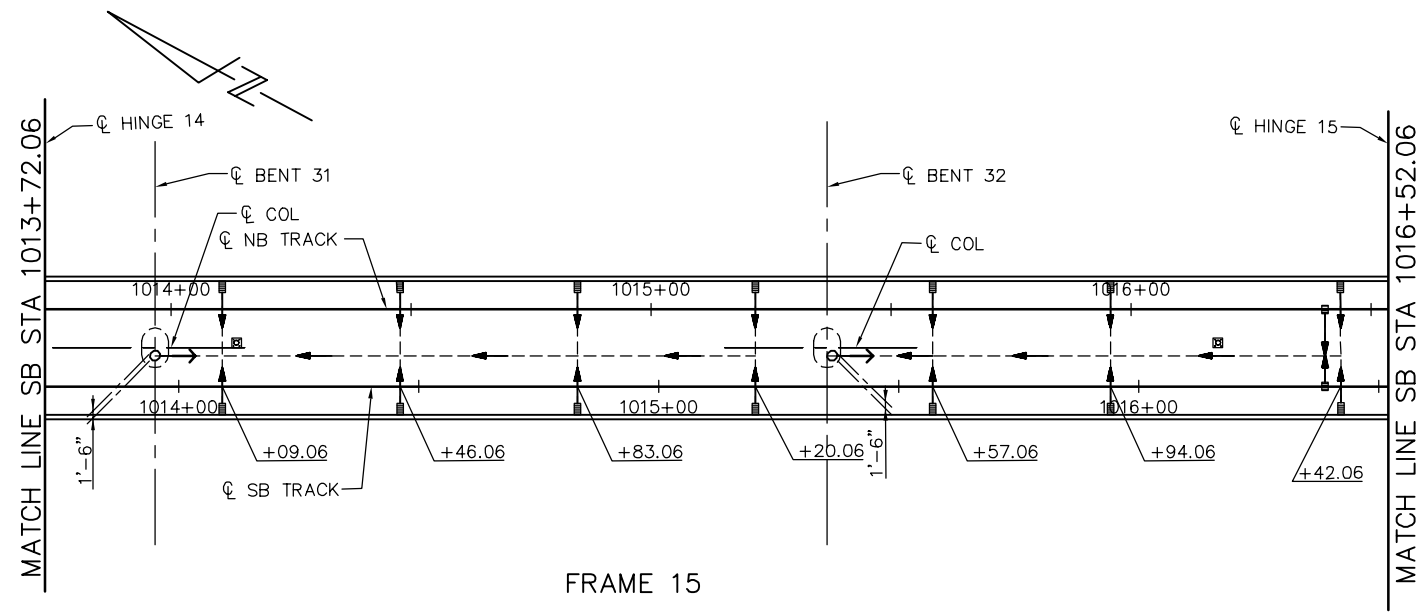
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 4

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SD304
REVISION	A

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- → INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

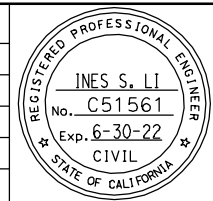


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:24am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD305.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD305.dwg



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ENGINEERS / SURVEYORS / PLANNERS

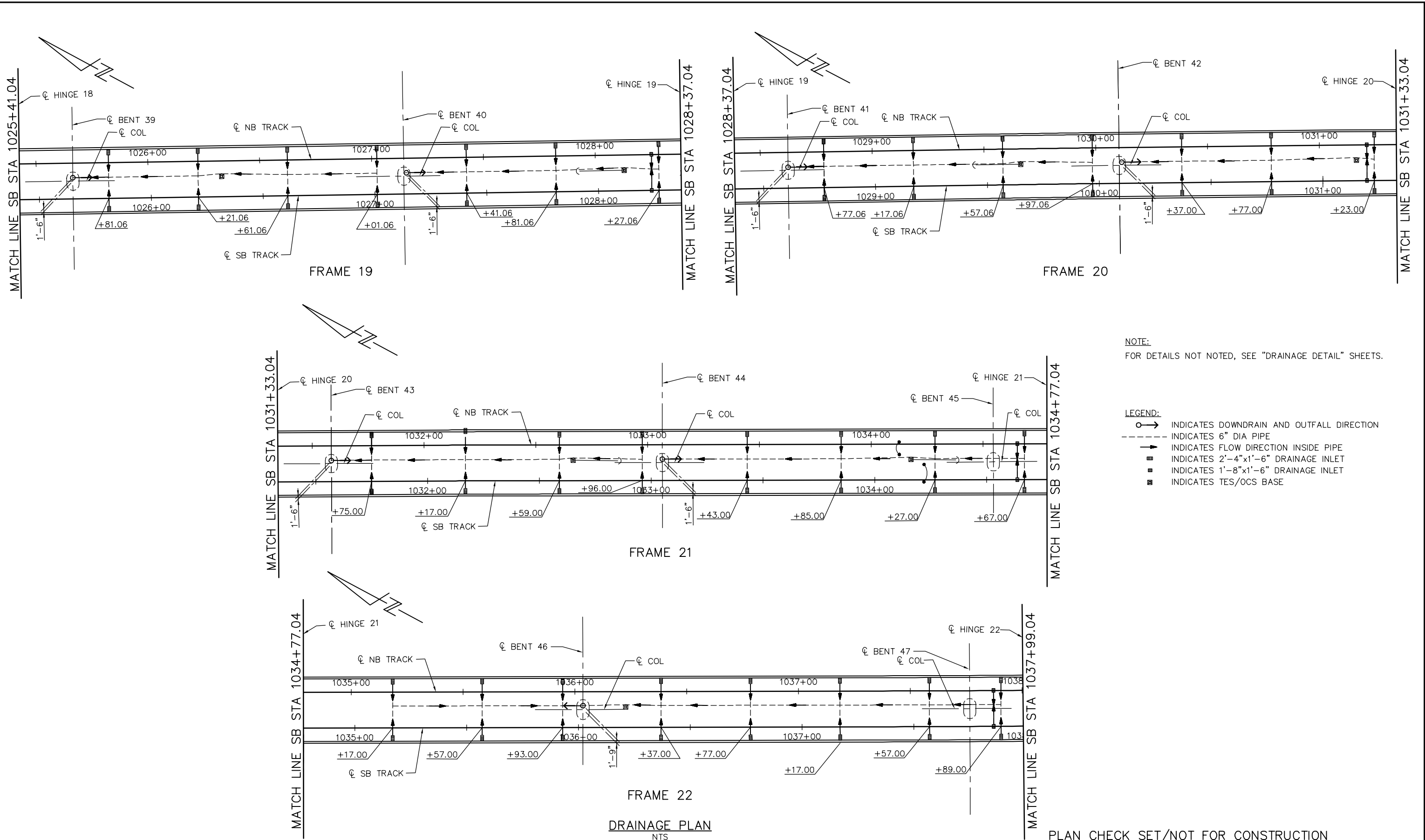
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SD305
REVISION	A



NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

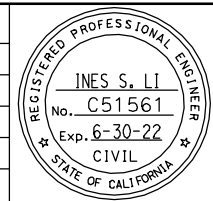
- LEGEND:**
- INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:25am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD306.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SD306.dwg

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
NTS

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

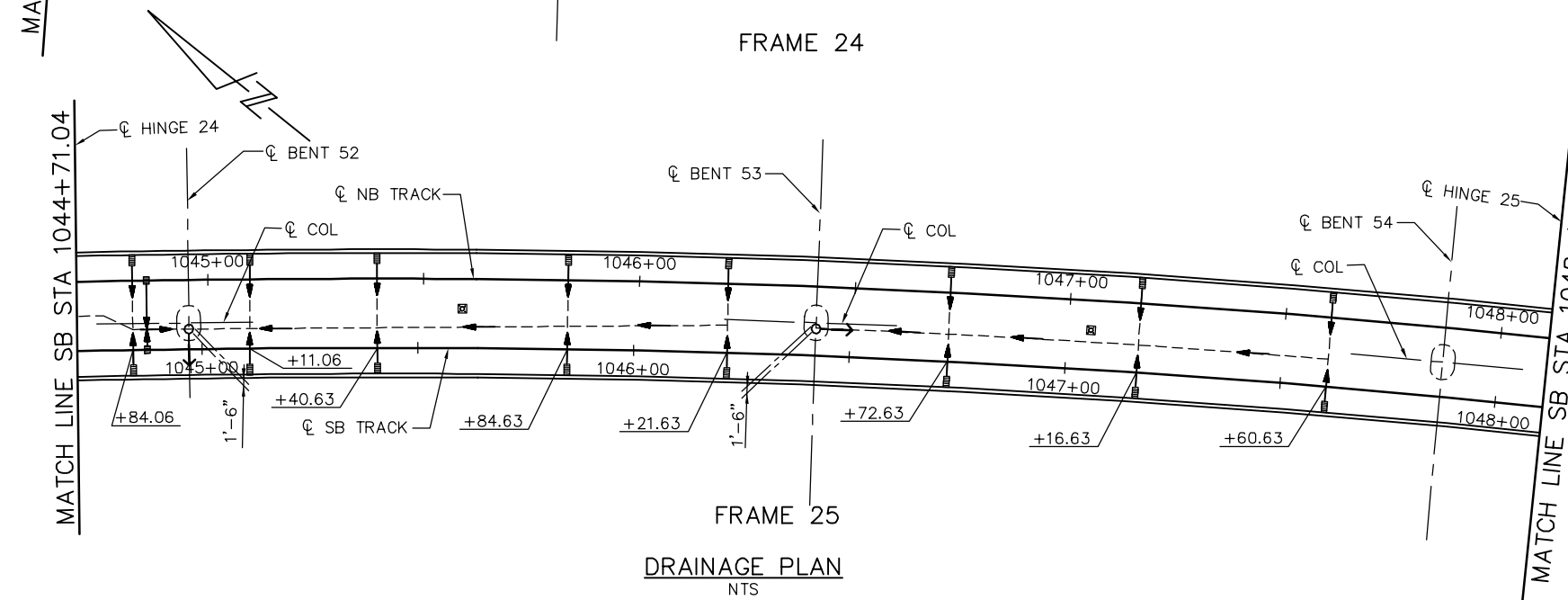
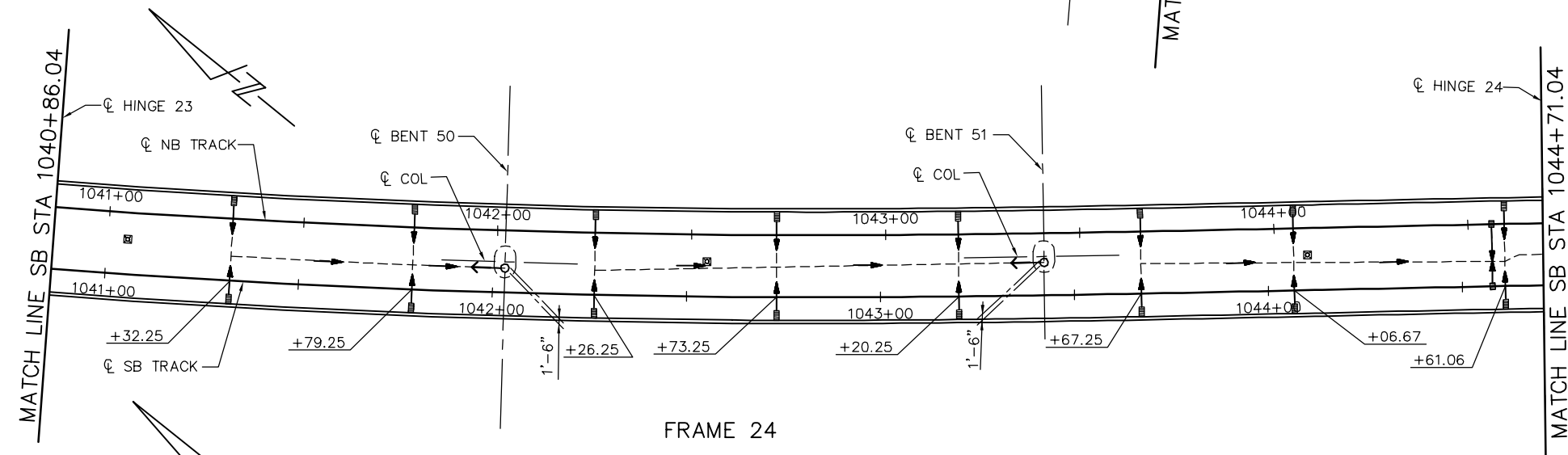
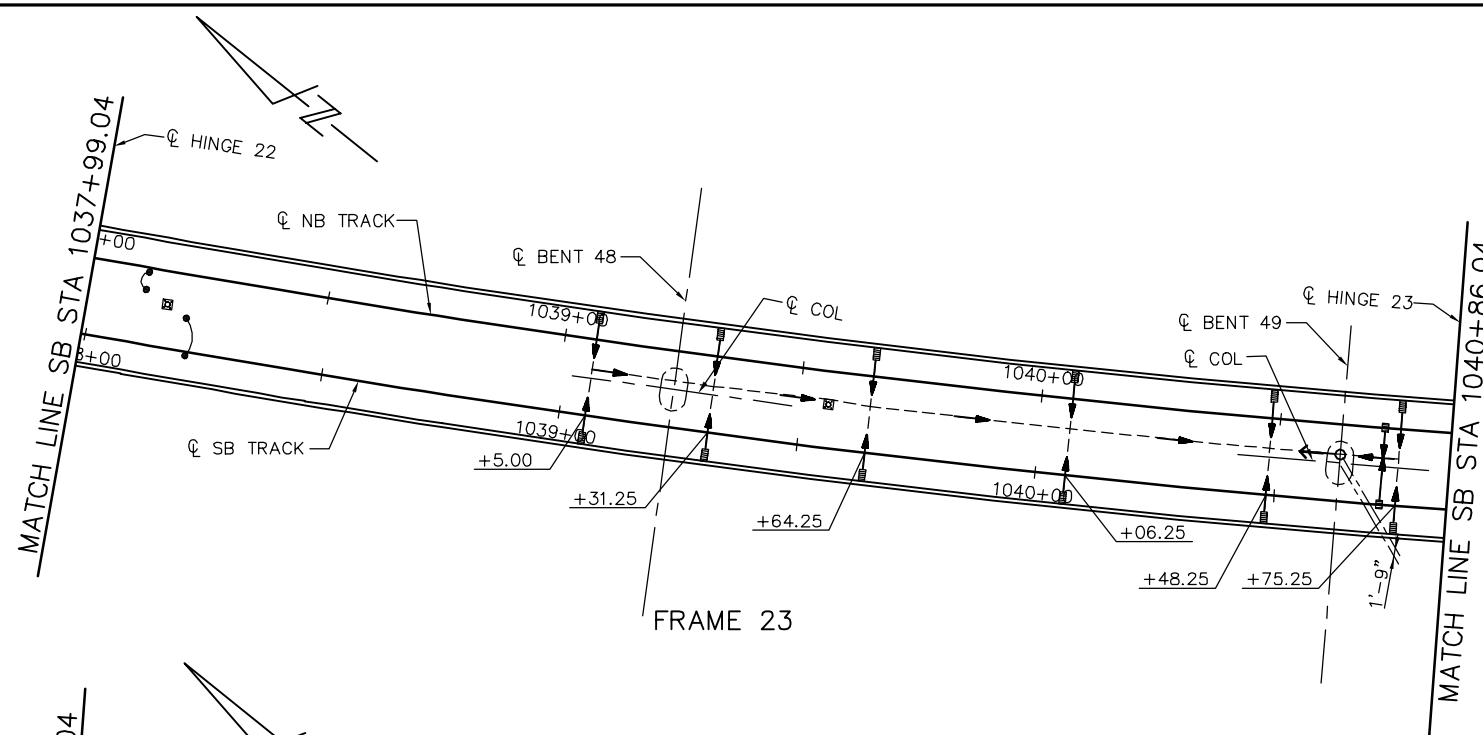
**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 6**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SD306 REVISION A

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

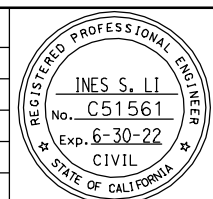


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:26am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD307.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD307.dwg

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

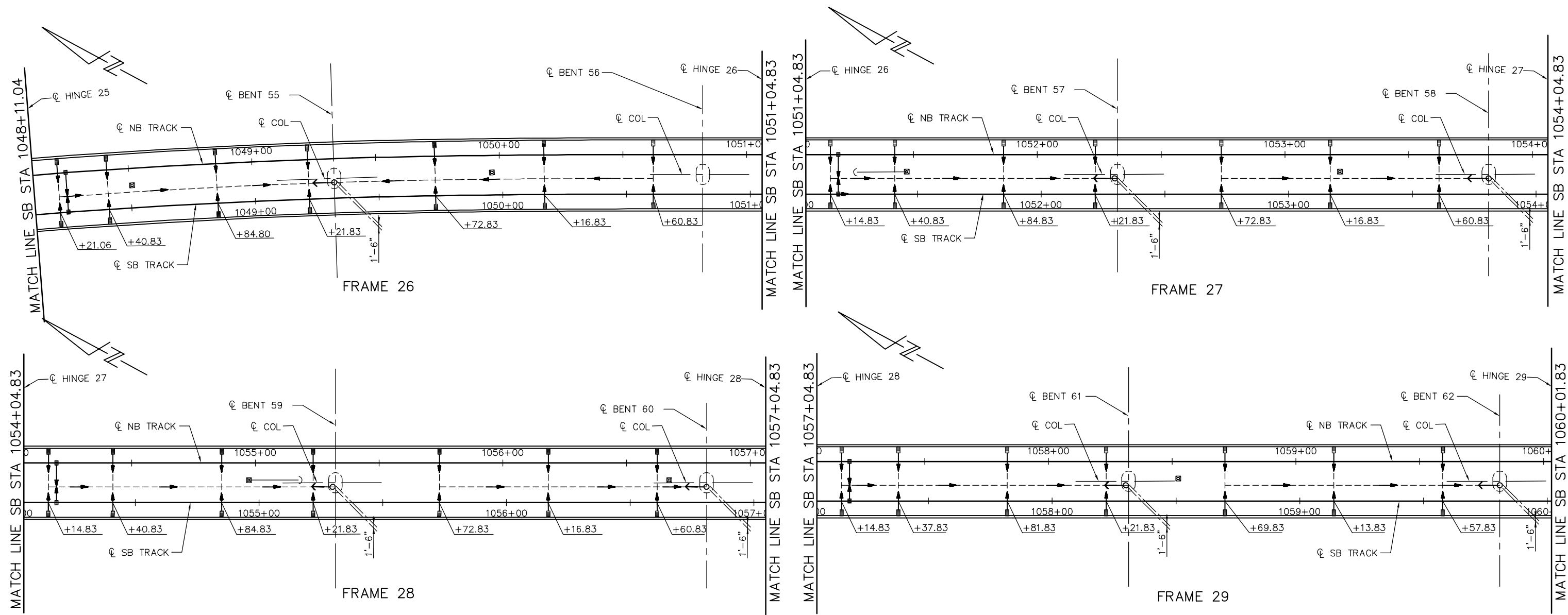
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 7

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SD307
REVISION	A

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

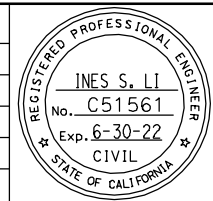


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:27am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD308.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SD308.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
NTS

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 8

PCA NO. 000

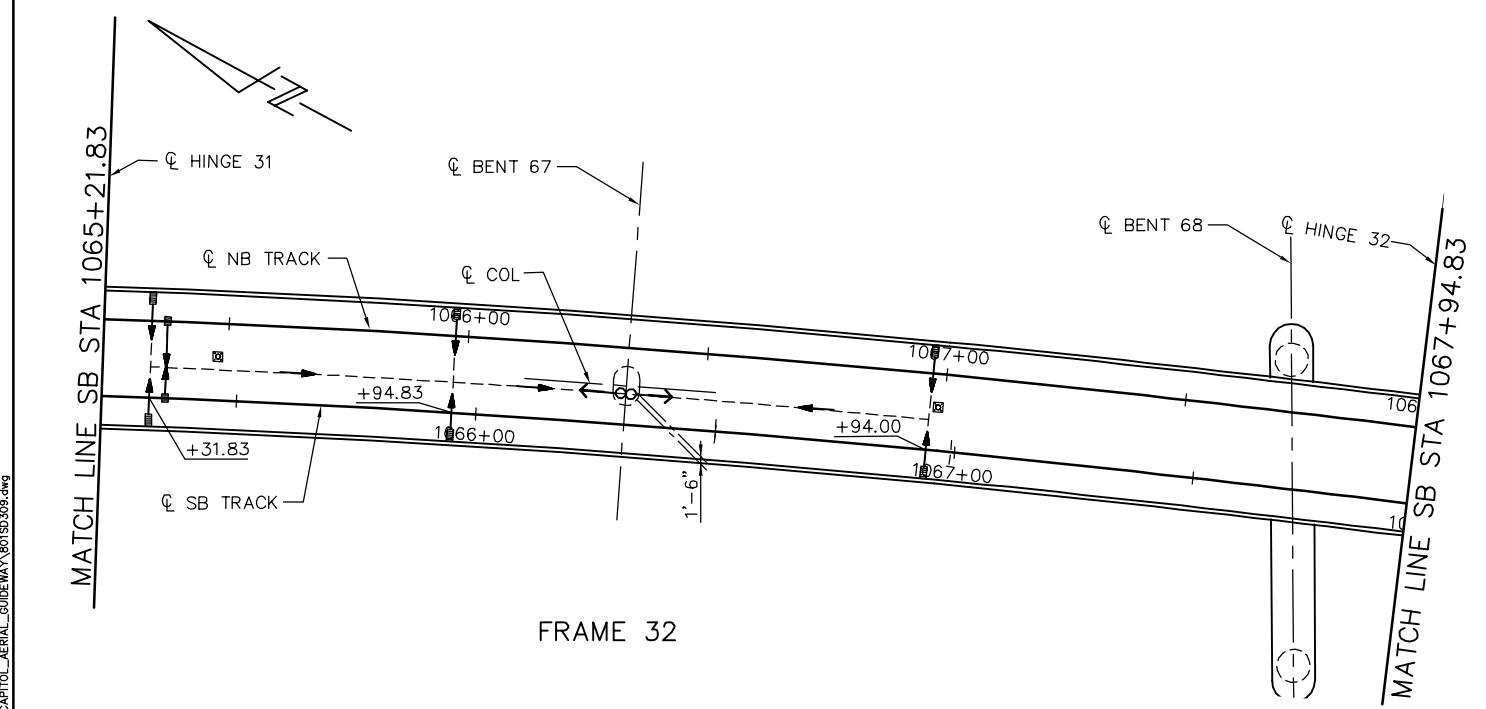
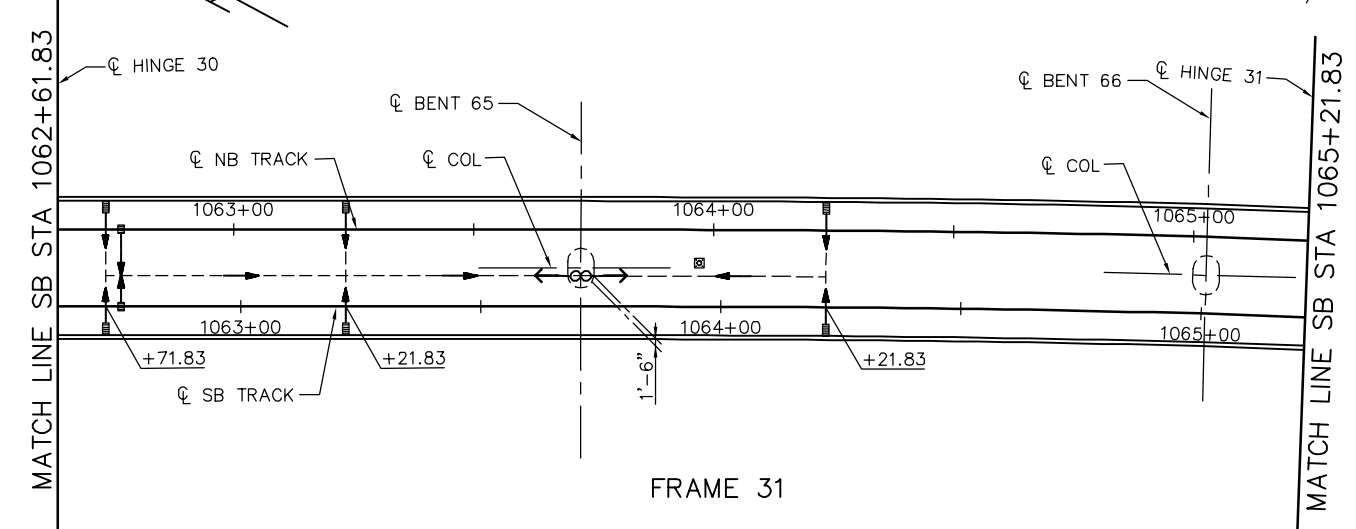
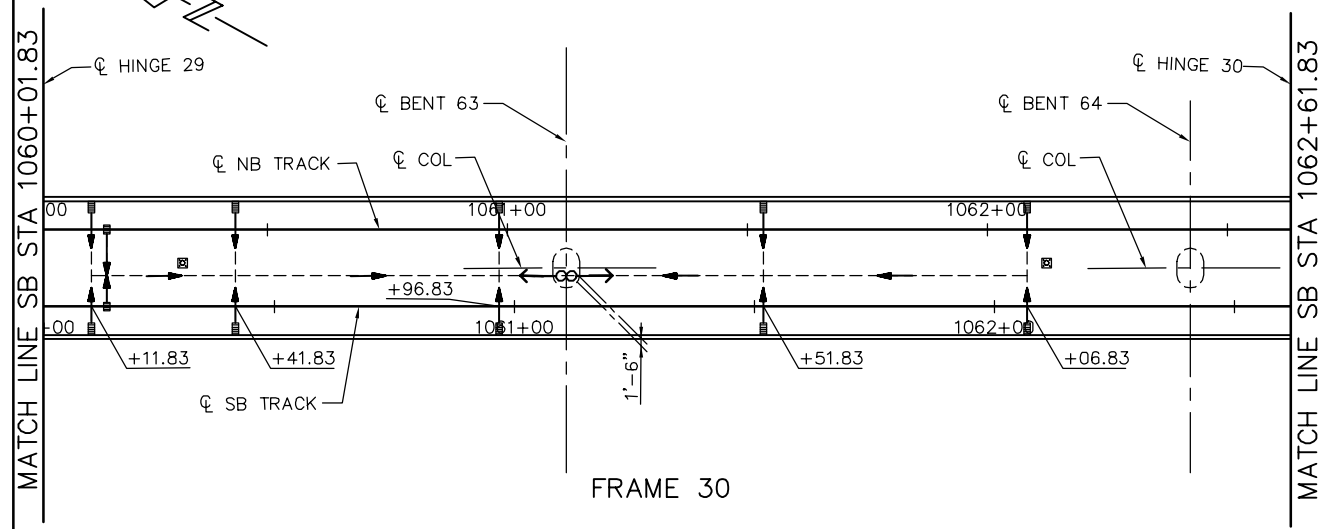
CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF	SD308
DRAWING NO.	SD308
REVISION	A

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- → INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

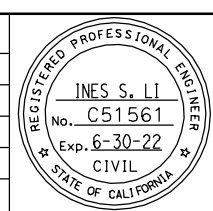


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:28am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD309.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD309.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

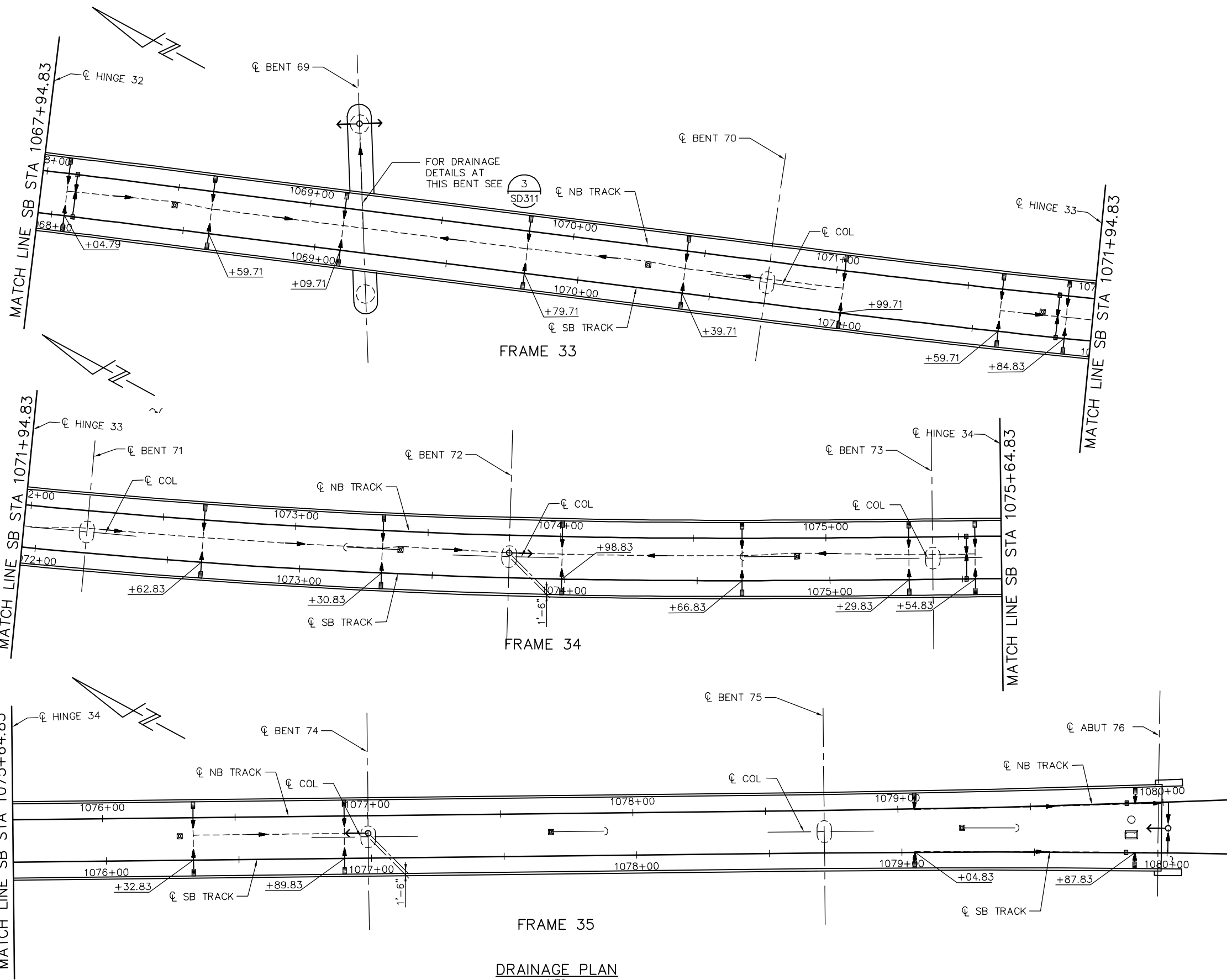
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 9

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SD309
REVISION	A

NOTE:
FOR DETAILS NOT NOTED, SEE "DRAINAGE DETAIL" SHEETS.

- LEGEND:
- → INDICATES DOWNDRAIN AND OUTFALL DIRECTION
 - INDICATES 6" DIA PIPE
 - INDICATES FLOW DIRECTION INSIDE PIPE
 - INDICATES 2'-4"x1'-6" DRAINAGE INLET
 - INDICATES 1'-8"x1'-6" DRAINAGE INLET
 - INDICATES TES/OCS BASE

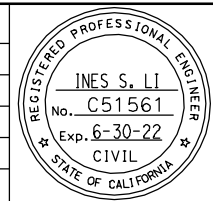


DRAINAGE PLAN
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:29am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD310.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SD310.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
NTS

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

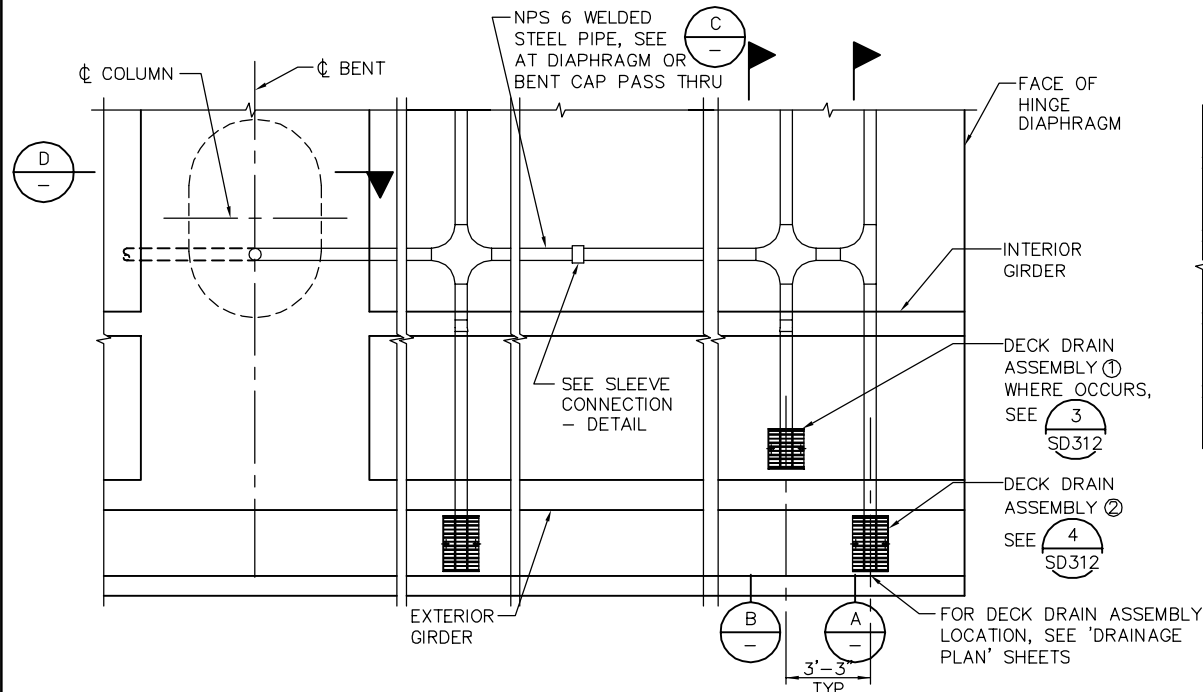
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE PLAN No. 10

PCA NO. 000

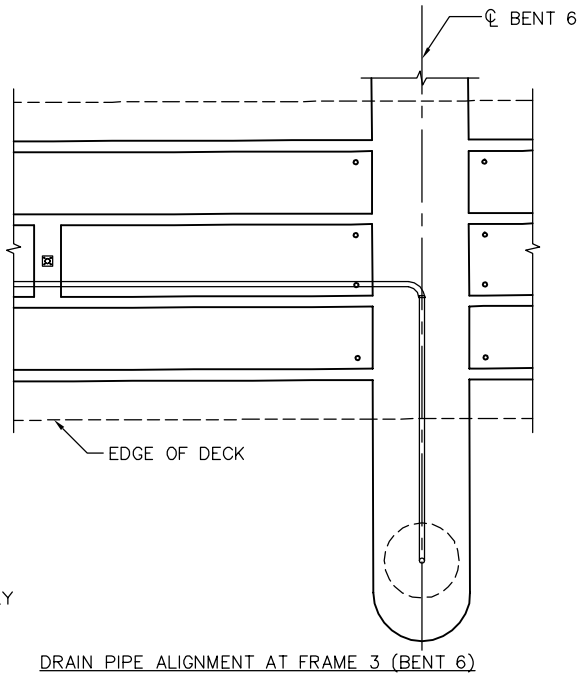
CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

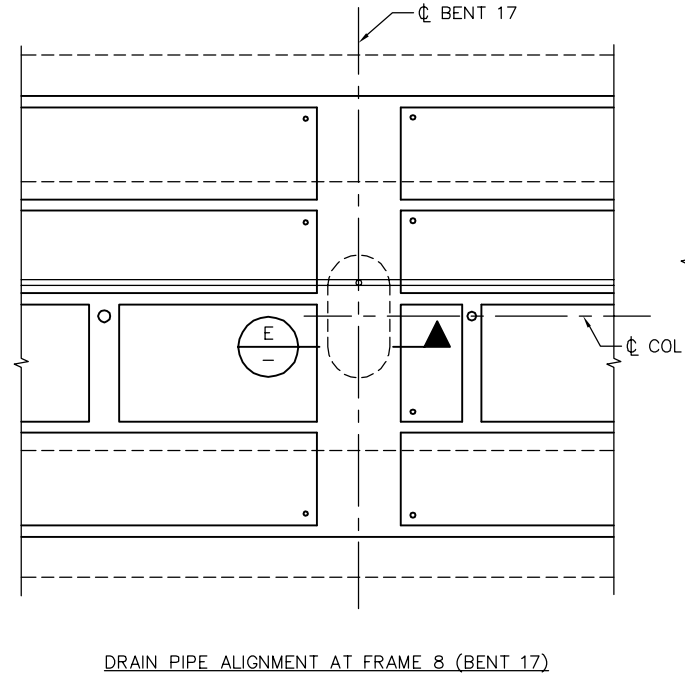
SHEET OF	DRAWING NO.
	SD310
REVISION	A



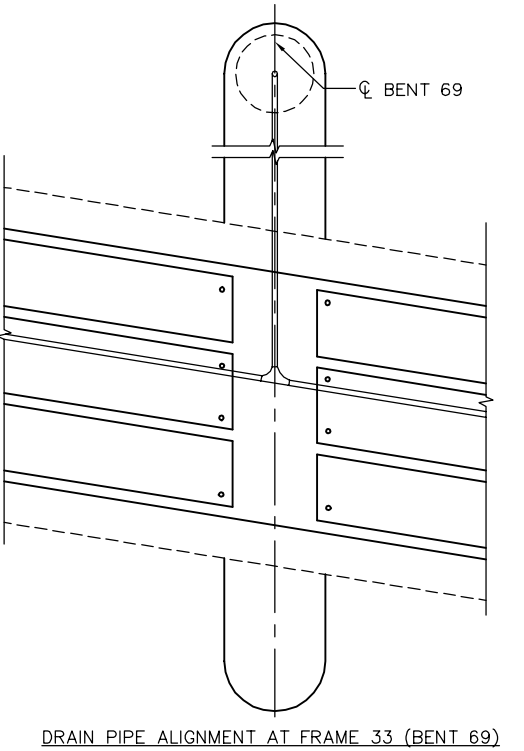
TYPICAL DRAIN PIPE ALIGNMENT - DETAIL
NTS



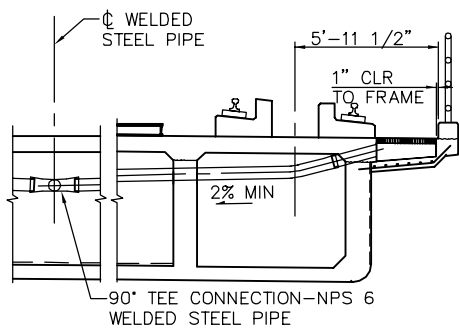
DRAIN PIPE ALIGNMENT AT FRAME 3 (BENT 6)



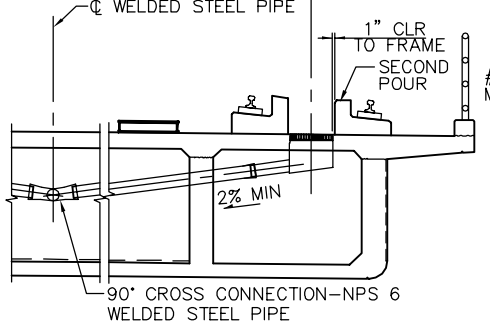
DRAIN PIPE ALIGNMENT AT FRAME 8 (BENT 17)



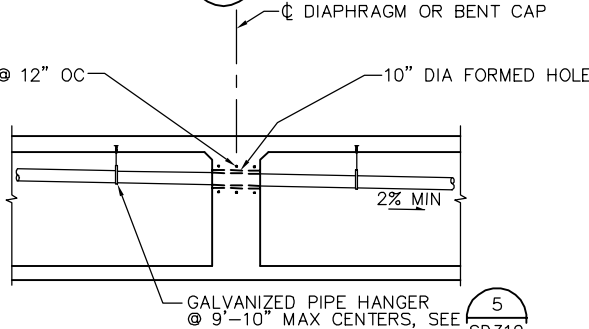
DRAIN PIPE ALIGNMENT AT FRAME 33 (BENT 69)



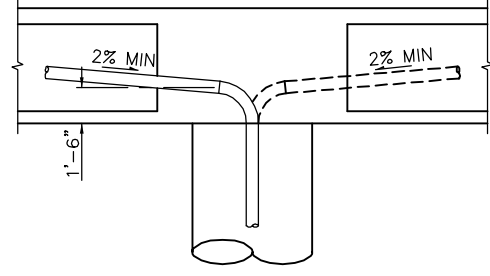
A SECTION
1/4" = 1'-0"



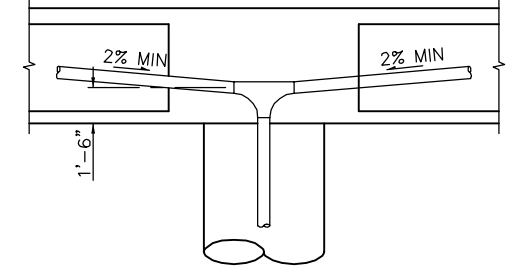
B SECTION
1/4" = 1'-0"



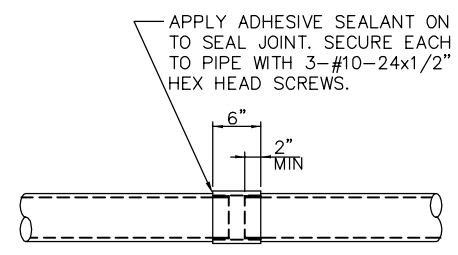
C SECTION
1/4" = 1'-0"



D SECTION
1/4" = 1'-0"

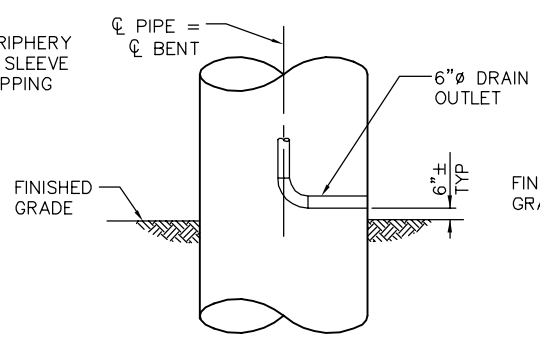


E SECTION
1/4" = 1'-0"

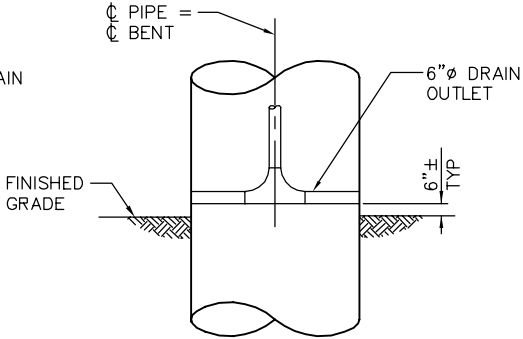


NOTE: SLEEVE INSIDE DIAMETER NO GREATER THAN PIPE OUTSIDE DIAMETER + 1.6MM.

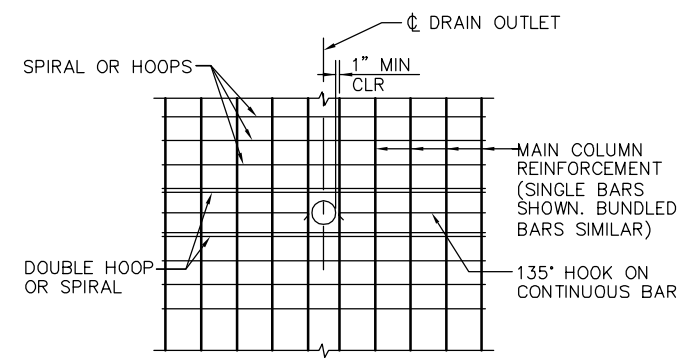
SLEEVE CONNECTION - DETAIL
1" = 1'-0"



DRAIN OUTLET ABOVE GROUND - DETAIL
NTS



DRAIN OUTLET ABOVE GROUND (BENTS 4 & 69) - DETAIL
NTS



COLUMN REINFORCEMENT AT DRAIN OUTLET - DETAIL
NTS

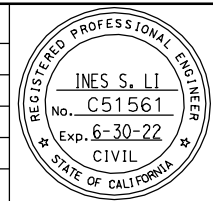
NOTES:

1. ALL PIPES TO BE NPS6x0.135" WELDED STEEL PIPE EXCEPT AS NOTED & GALVANIZED IF NOT ENCASED IN CONCRETE. FITTINGS & BENDS SHALL HAVE A MINIMUM THICKNESS OF 1/8".
2. ALL JOINTS OR CONNECTIONS TO BE BUTT WELDED OR CONNECTED BY A STEEL PIPE SLEEVE & TO BE SMOOTH THROUGHOUT INSIDE OF PIPE EXCEPT AS NOTED.
3. ALL BENDS TO BE ON 1'-6" MIN RADIUS MEASURED ALONG CL PIPE. ALL BENDS TO BE SMOOTH.
4. PIPES NOT ENCASED IN CONCRETE TO BE SUPPORTED BY SUITABLE GALVANIZED HANGERS @ 10'-0" MAXIMUM SPACING THROUGHOUT.
5. GALVANIZE DECK DRAIN ASSEMBLY AFTER FABRICATION.
6. PIPES THROUGH GIRDER WEB SHALL BE ADJUSTED TO CLEAR P/S DUCTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:30am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD311.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
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CADD FILENAME: 801SD304.dwg

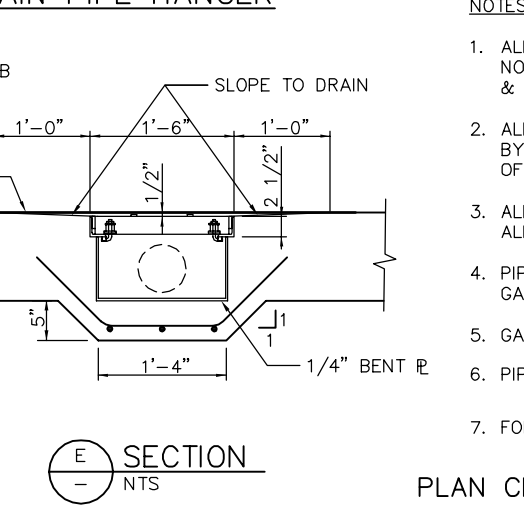
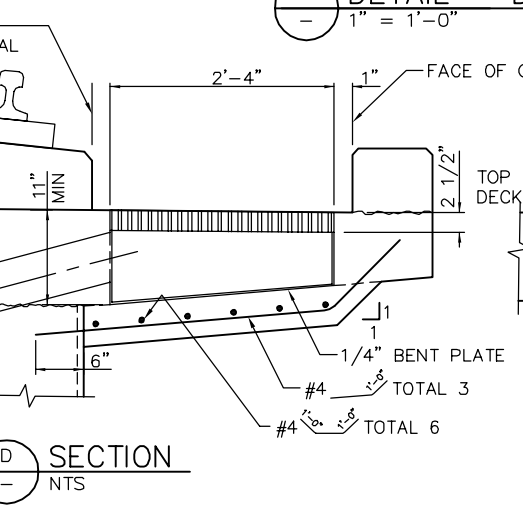
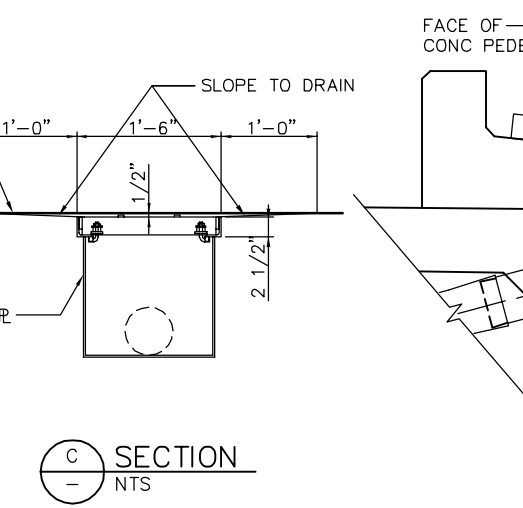
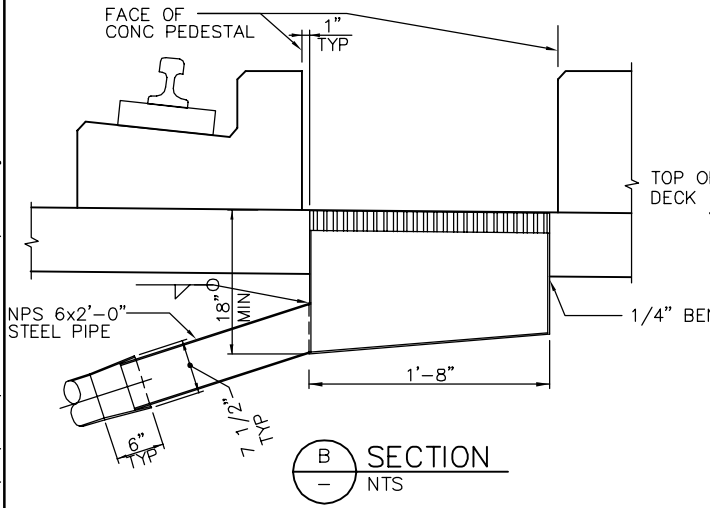
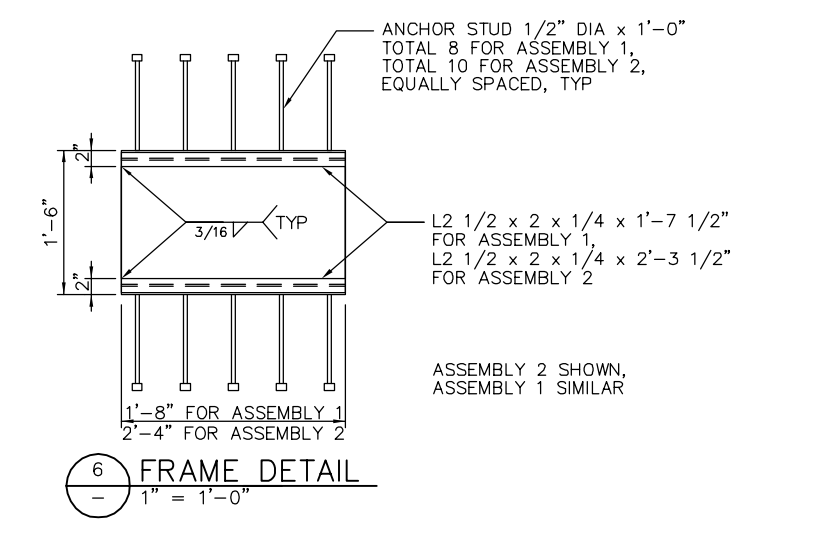
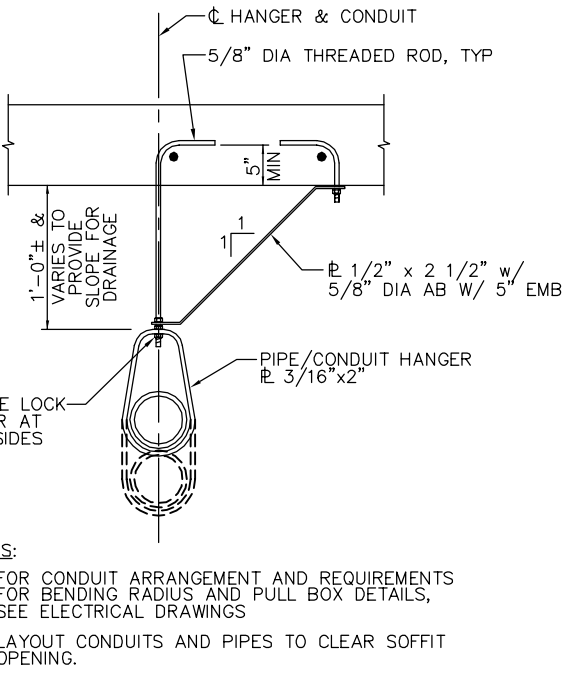
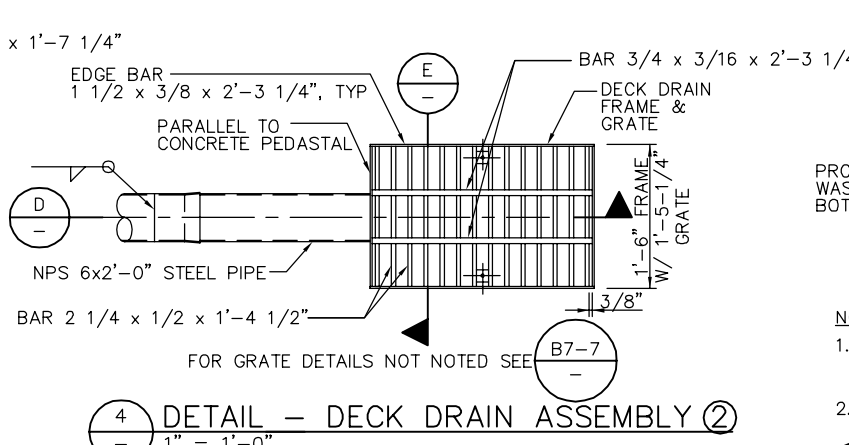
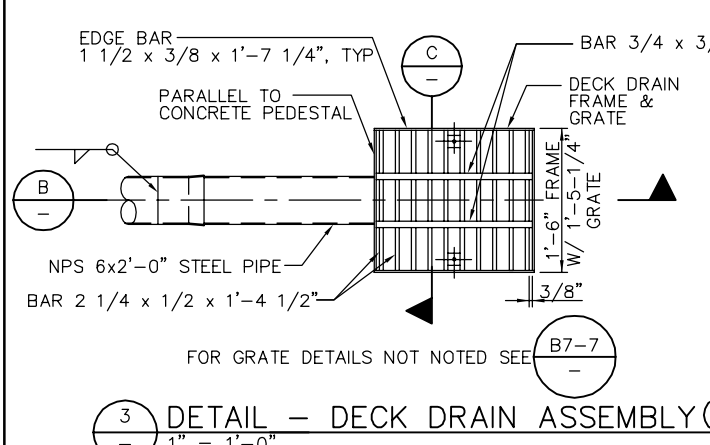
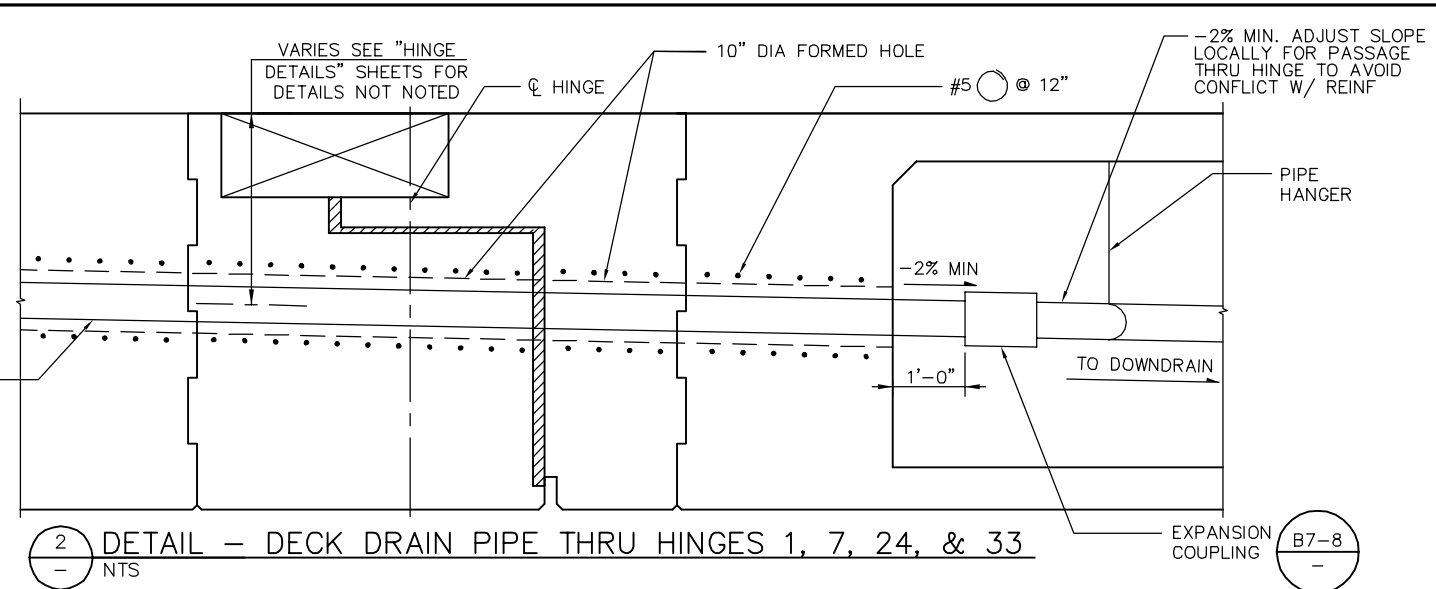
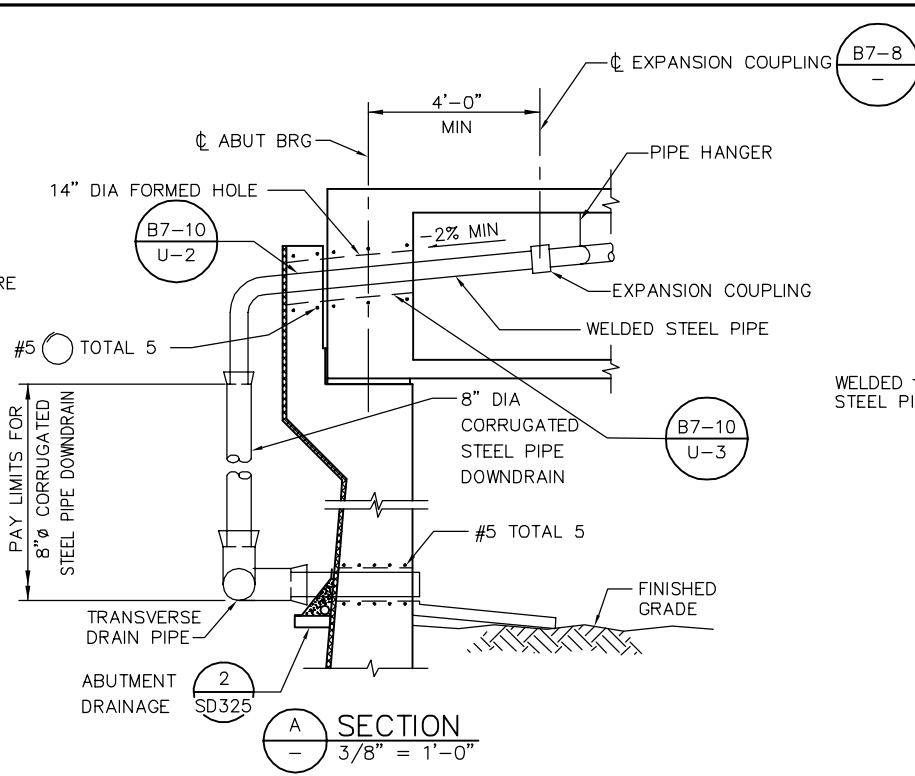
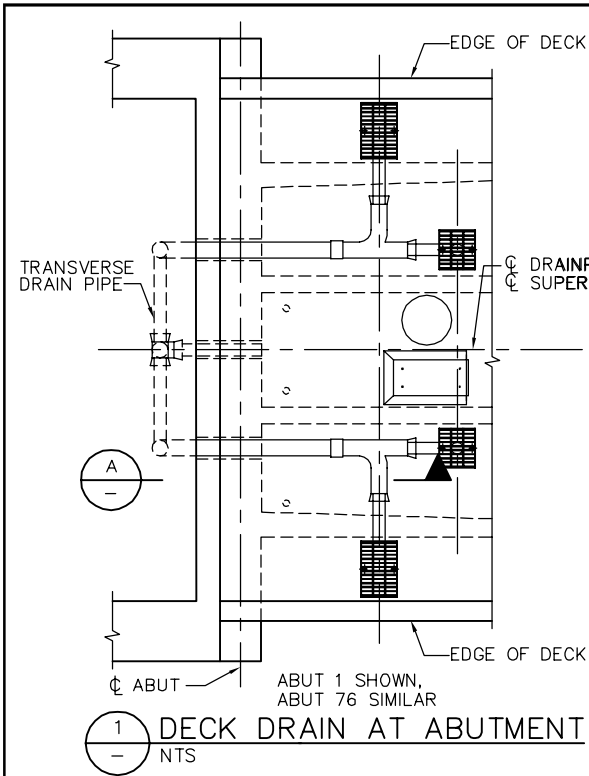
Santa Clara Valley Transportation Authority

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SUBMITTAL DATE: 06/29/20
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EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE DETAILS No. 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SD311 REVISION B

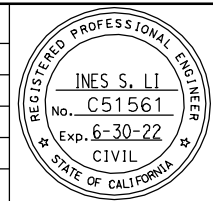


- NOTES:
1. ALL PIPES TO BE NPS6x0.135" WELDED STEEL PIPE EXCEPT AS NOTED & GALVANIZED IF NOT ENCASED IN CONCRETE. FITTINGS & BENDS SHALL HAVE A MINIMUM THICKNESS OF 1/8".
 2. ALL JOINTS OR CONNECTIONS TO BE BUTT WELDED OR CONNECTED BY A STEEL PIPE SLEEVE & TO BE SMOOTH THROUGHOUT INSIDE OF PIPE EXCEPT AS NOTED.
 3. ALL BENDS TO BE ON 1'-6" MIN RADIUS MEASURED ALONG ϕ PIPE. ALL BENDS TO BE SMOOTH.
 4. PIPES NOT ENCASED IN CONCRETE TO BE SUPPORTED BY SUITABLE GALVANIZED HANGERS @ 10'-0" MAXIMUM SPACING THROUGHOUT.
 5. GALVANIZE DECK DRAIN ASSEMBLY AFTER FABRICATION.
 6. PIPES THROUGH GIRDER WEB SHALL BE ADJUSTED TO CLEAR P/S DUCTS
 7. FOR DECK DRAIN DETAILS NOT NOTED SEE (B7-7)

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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CADD FILENAME: 801SD305.dwg

Santa Clara Valley
Transportation
Authority

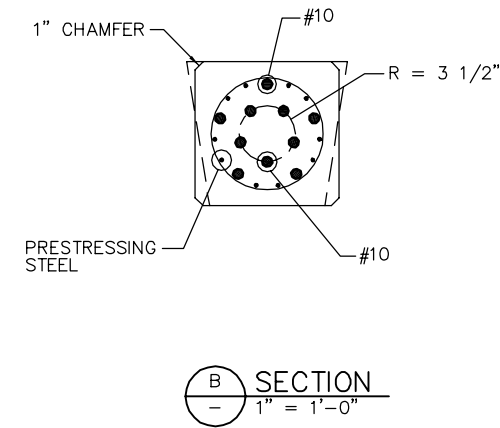
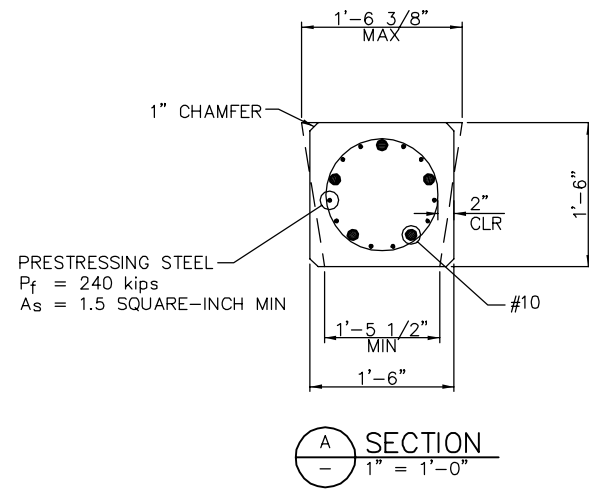
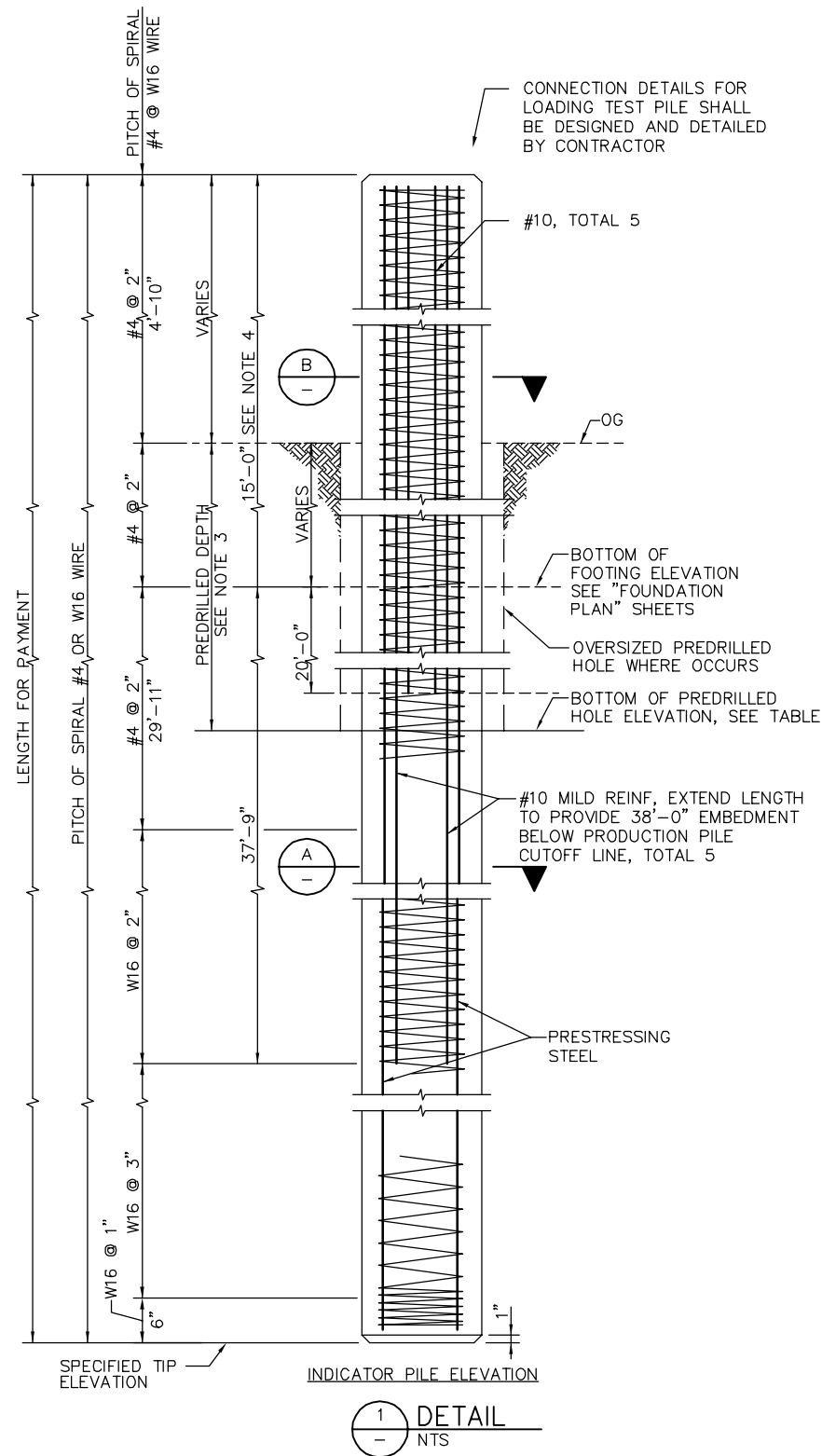
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CADD FILE DATE: 05/18/20
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BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
DRAINAGE DETAILS No. 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SD312 REVISION B

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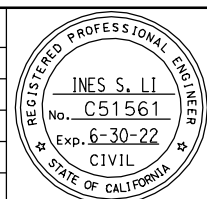


LOCATION	BOTTOM OF PREDRILLED HOLE ELEVATION
BENT 61	90.66'
BENT 72	96.29'

- NOTES:
- INDICATOR PILE SHOWN, LOAD TEST PILE SIMILAR. DETAIL SHOWN IS APPLICABLE FOR BOTH PINNED AND FIXED TOP PRODUCTION PILES. SEE PRODUCTION PILE ELEVATIONS ON 'PILE DETAILS No.1' SHEET
 - FOR GENERAL PILE NOTES, SEE 'PILE DETAILS No. 1' SHEET
 - CONTRACTOR MAY EITHER EXCAVATE TO BOTTOM OF FOOTING ELEVATION BEFORE INSTALLING INDICATOR/LOAD TEST PILE OR INSTALL INDICATOR/LOAD TEST PILE FROM OG WITH ADDITIONAL OVERSIZED PREDRILLING FROM OG TO THE BOTTOM OF FOOTING ELEVATION.
 - ACTUAL PILE LENGTH REQUIRED FOR TESTING MAY VARY.

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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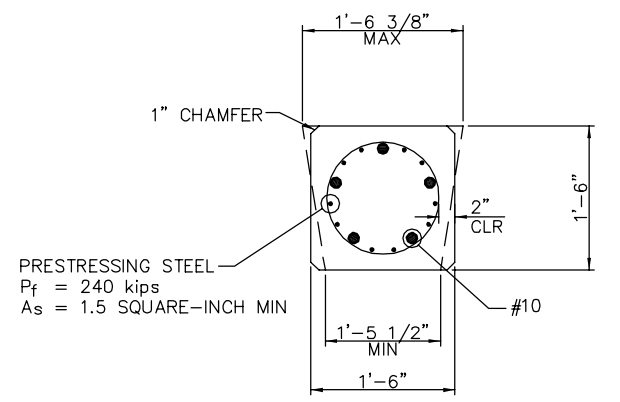
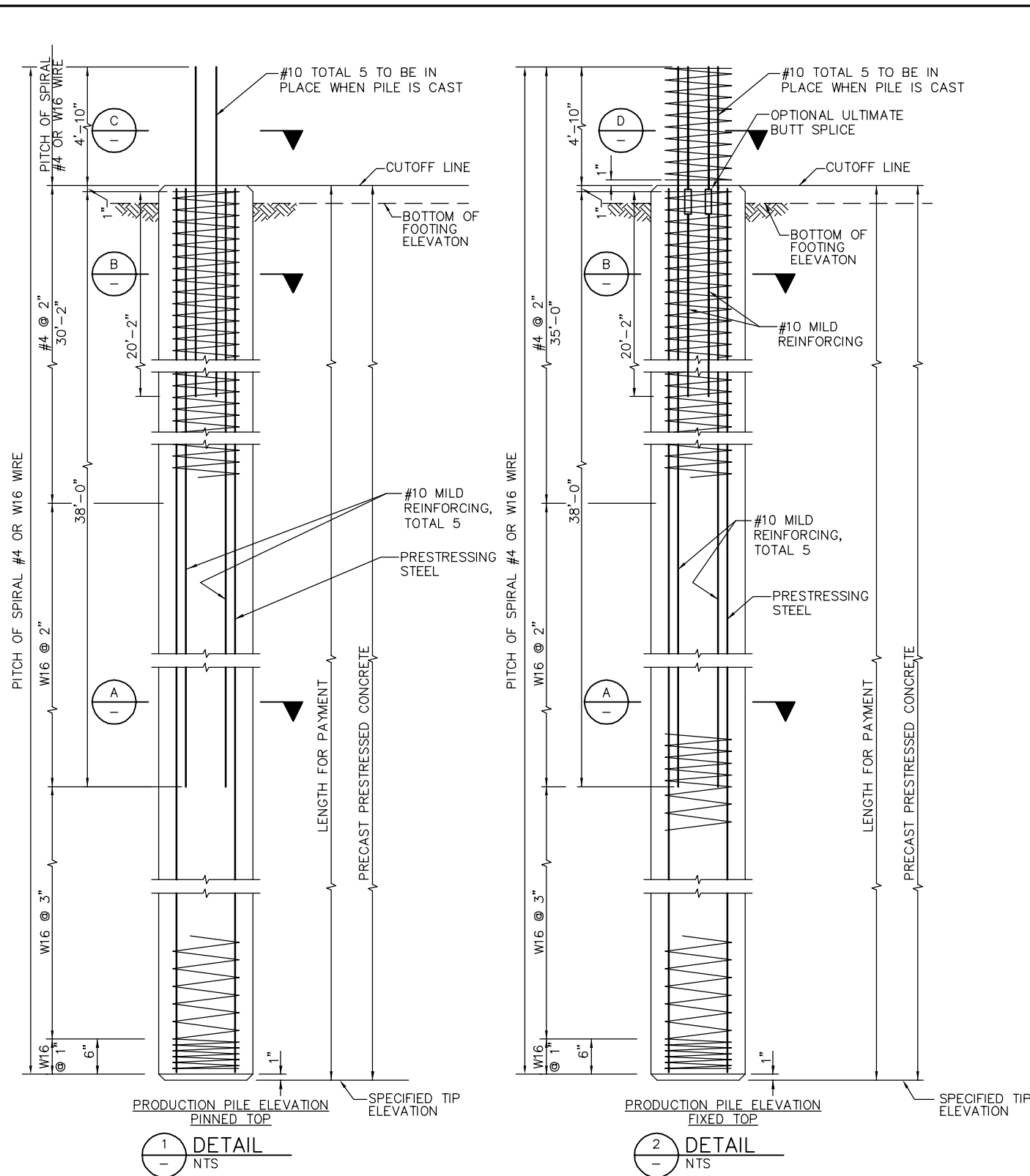
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SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

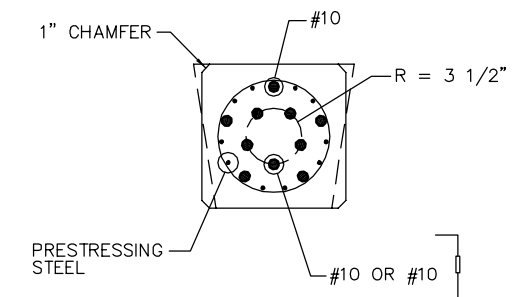
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TEST PILE DETAILS

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

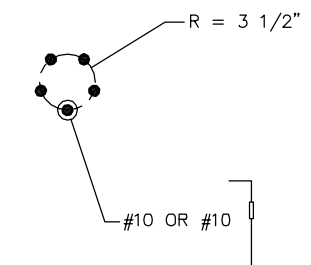
SHEET	OF
DRAWING NO. SD313	REVISION A



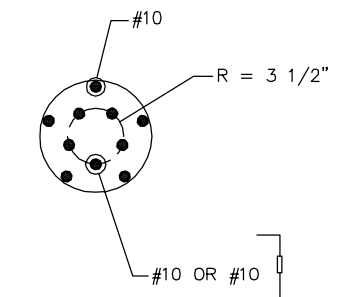
A SECTION
1" = 1'-0"



B SECTION
1" = 1'-0"



C SECTION
1" = 1'-0"



D SECTION
1" = 1'-0"

GENERAL PILE NOTES:

- LAP SPLICES IN SPIRAL PILE REINFORCEMENT SHALL BE LAPPED 80 WIRE DIAMETERS MINIMUM. SPIRAL PILE REINFORCEMENT AT SPLICES AND AT ENDS SHALL BE TERMINATED BY A 135° HOOK WITH 6" TAIL HOOKED AROUND A LONGITUDINAL BAR OR STRAND.
- 2" CLEARANCE TO SPIRAL REINFORCEMENT SHALL BE MAINTAINED IF SECTION USED IS LARGER THAN THE MINIMUM SECTION SHOWN.
- MAXIMUM CUT-OFF LENGTH AT THE TOP OF THE PILES IS 10'-0".
- FOR INDICATOR PILE DETAILS SEE "TEST PILE DETAILS" SHEET.

DESIGN NOTES

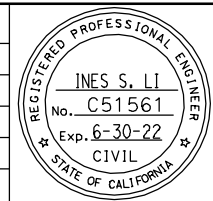
DESIGN LOADING:
SEE PILE DATA TABLES ON 'FOUNDATION PLAN' SHEETS

PRECAST PRESTRESSED PILES
 P_f = PRESTRESSED FORCE (AFTER LOSSES)
 CONCRETE STRENGTH f'_c @ 28 DAYS = 7000 psi
 f'_ci @ TRANSFER = 4000 psi

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 CADD FILENAME: 801SD306.dwg

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EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 PILE DETAILS No. 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	
DRAWING NO.	SD314
REVISION	B

LEGEND
 INDICATES BUNDLES BARS

NOTES:
 1. HOOPS MUST UTILIZE ULTIMATE SPLICE
 2. LAPPED SPLICES IN SPIRAL PILE REINFORCEMENT SHALL BE LAPPED AT LEAST 80 WIRE/BAR DIAMETERS. SPIRAL PILE REINFORCEMENT AT SPLICES AND ENDS SHALL BE TERMINATED WITH A 135° HOOK WITH A 6" TAIL HOOKED AROUND A LONGITUDINAL BAR.

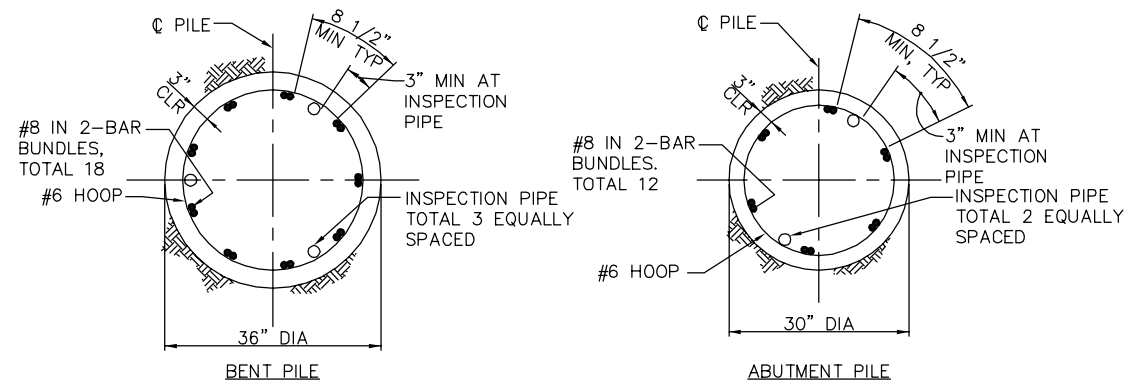
DESIGN NOTES

DESIGN LOADING: SEE PILE DATA TABLE ON 'FOUNDATION PLAN' SHEETS

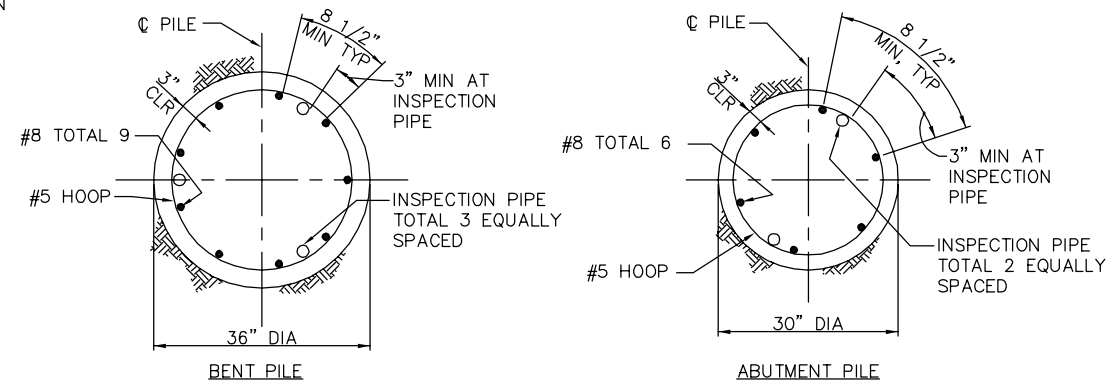
CAST-IN-STEEL-SHELL CONCRETE PILE:
 STEEL PIPE
 $f_y = 45,000$ psi (MIN)
 $f_u = 66,000$ psi (MIN)

CONCRETE FILLED
 $f'_c = 5,000$ psi AT 28 DAYS
 $f_y = 60,000$ psi

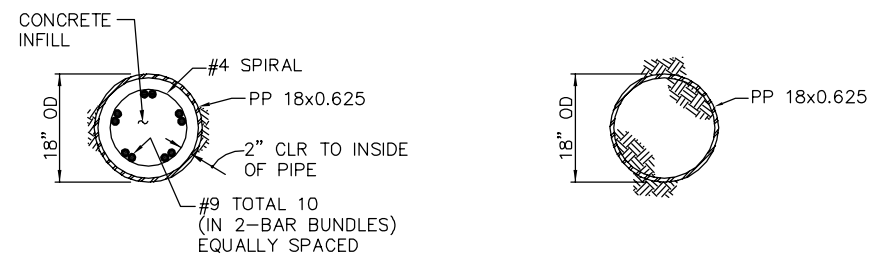
CAST-IN-DRILLED-HOLE CONCRETE PILE
 $f'_c = 3,600$ psi
 $f_y = 60,000$ psi



A SECTION
 3/4" = 1'-0"

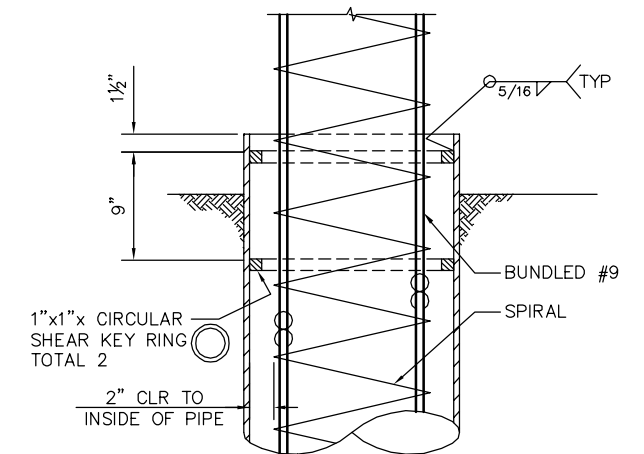


B SECTION
 3/4" = 1'-0"

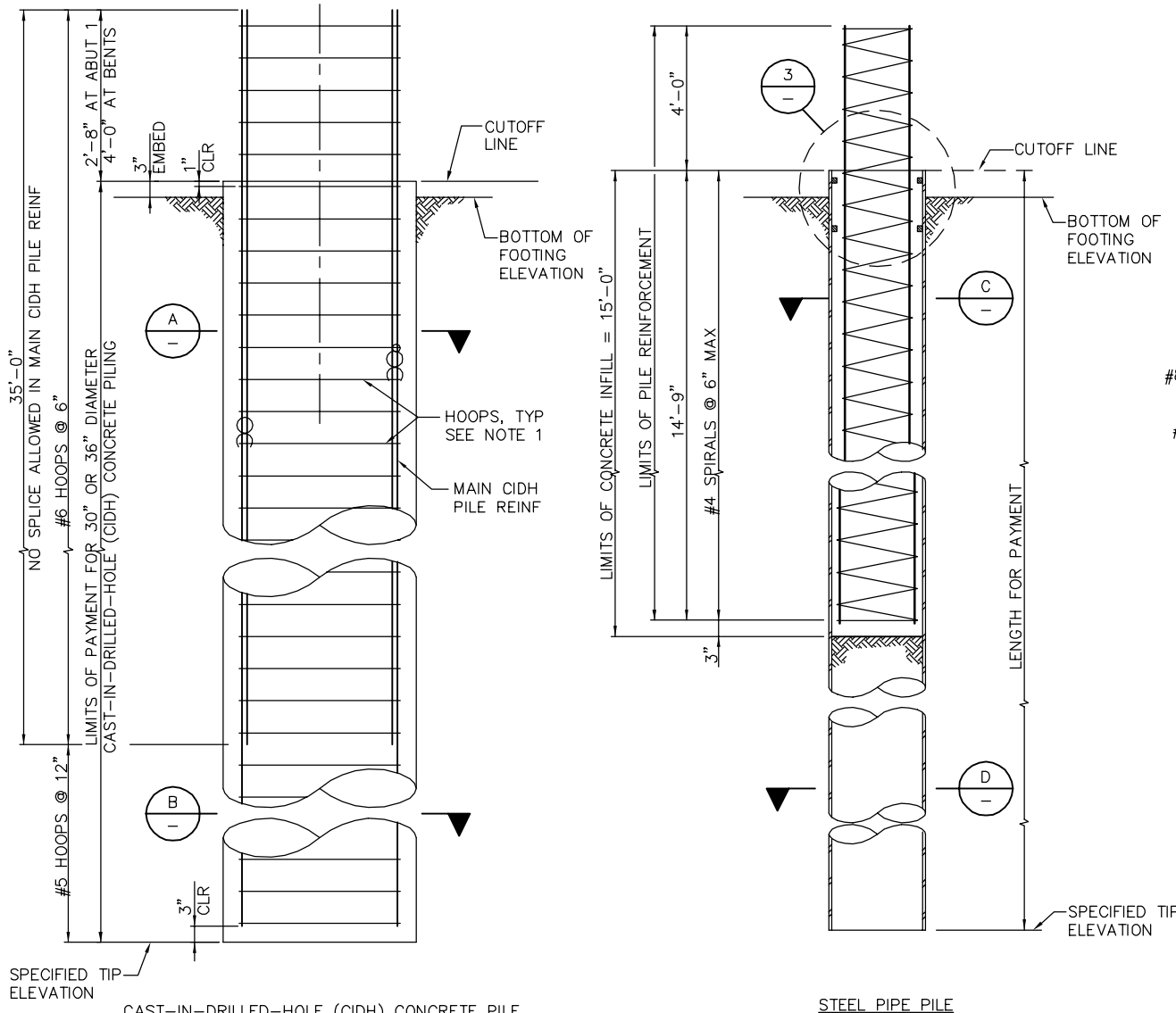


C SECTION
 3/4" = 1'-0"

D SECTION
 3/4" = 1'-0"



3 DETAIL
 1 1/2" = 1'-0"



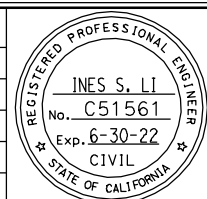
1 DETAIL
 3/4" = 1'-0"

2 DETAIL
 3/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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BIGGS CARDOSA ASSOCIATES INC
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 CADD FILENAME: 801SD315.dwg




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 Transportation
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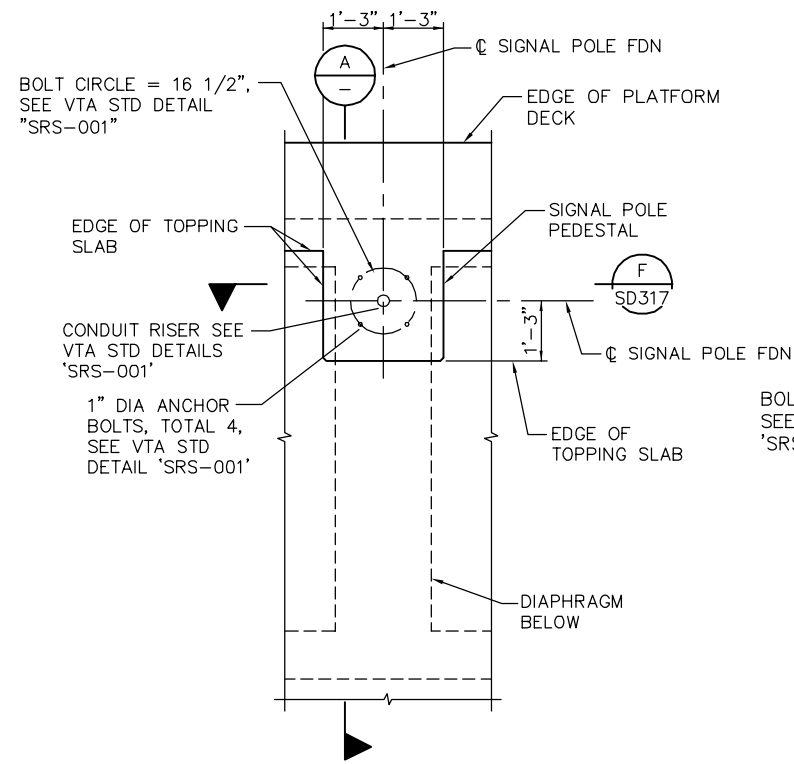
CADD FILE DATE: 05/18/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

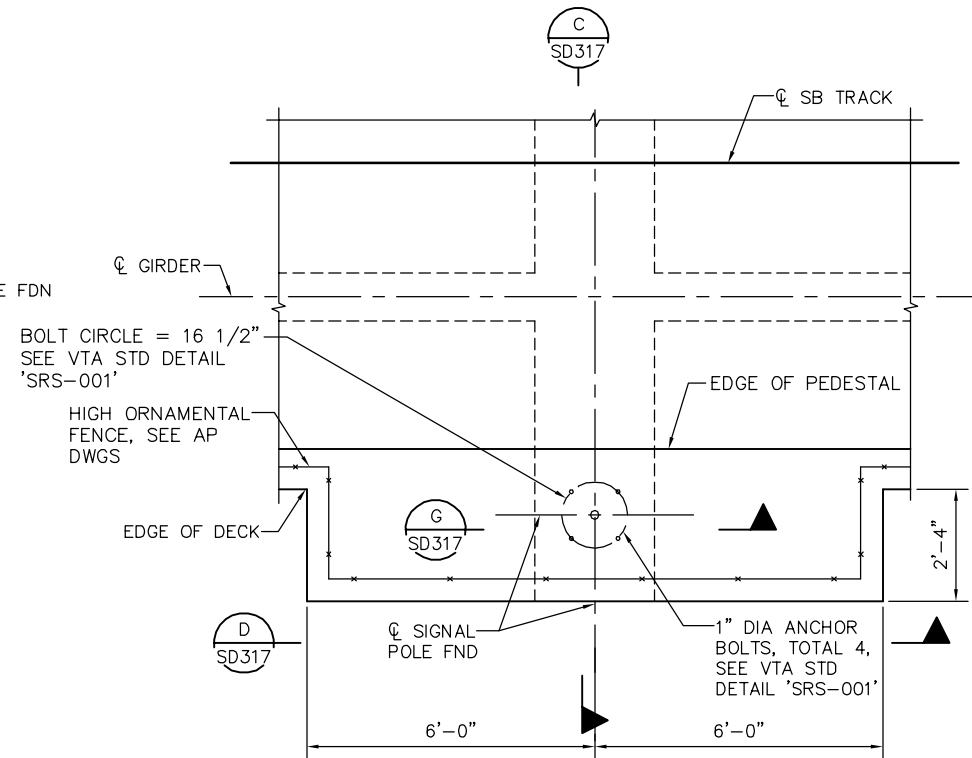
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 PILE DETAILS No. 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

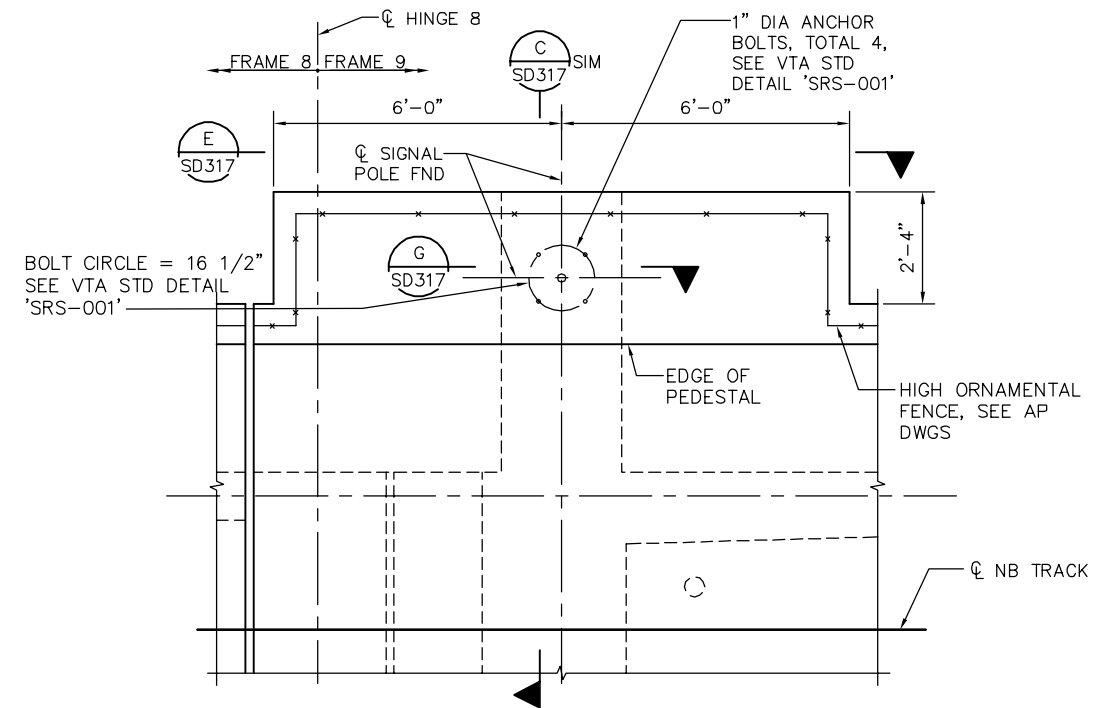
SHEET OF DRAWING NO. SD315 REVISION A



1 C131 SIGNAL FOUNDATION DETAIL
1/2" = 1'-0"

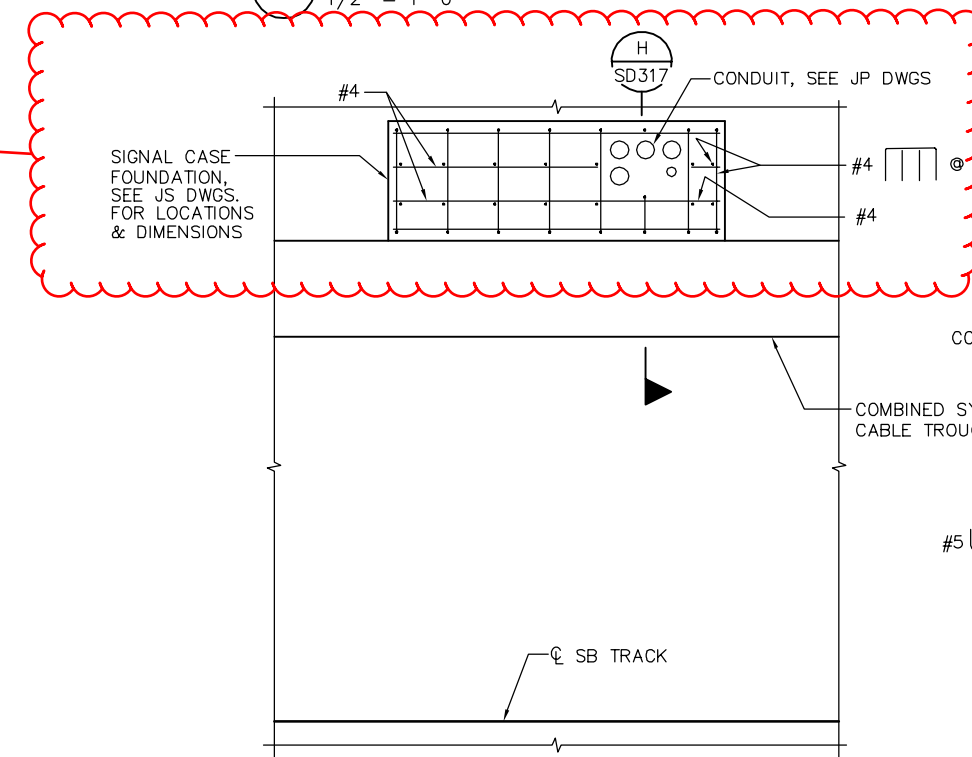


2 C133 SIGNAL FOUNDATION ON DECK DETAIL
1/2" = 1'-0"

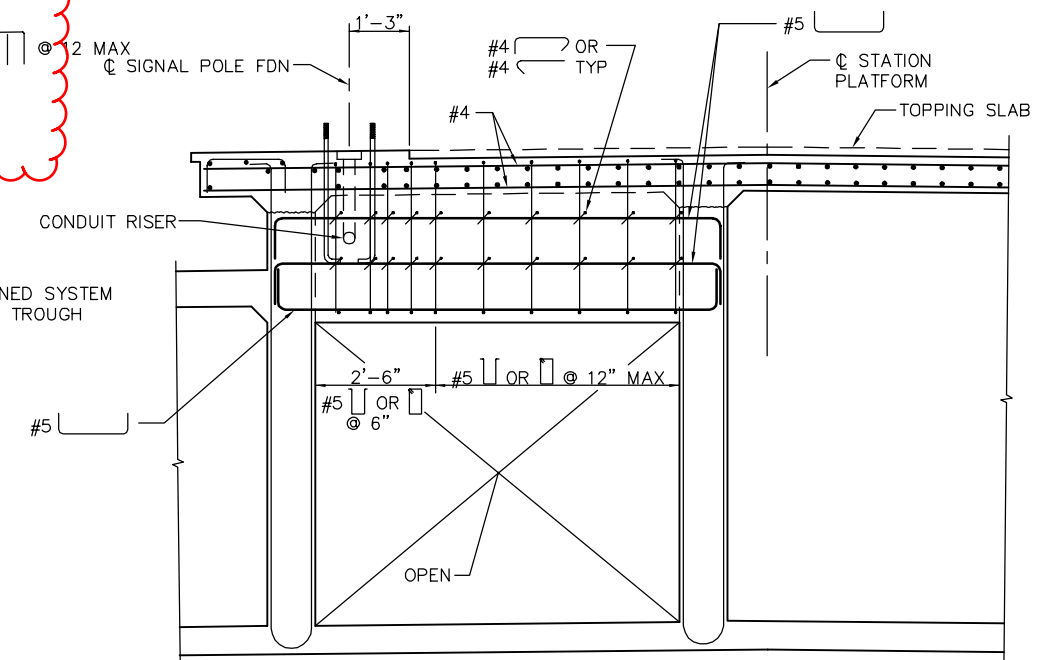


3 C134 SIGNAL FOUNDATION ON DECK DETAIL
1/2" = 1'-0"

Will be revised after coordination with LRT Signals and Combined System Duct plans. Redesign of conduits entering signal cabinet pending.



4 SIGNAL CASE FOUNDATION DETAIL
1/2" = 1'-0"



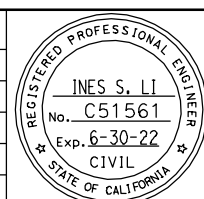
A SECTION
1/2" = 1'-0"
PLAN CHECK SET/NOT FOR CONSTRUCTION

SIGNAL POLE FOUNDATION SCHEDULE			
SIGNAL	'SB' STA	OFFSET FROM SB TRACK	DETAIL
C131	993+17.62	25.22' LT	1 SD316
C133	993+17.89	7.34' RT	2 SD316
C134	996+16.36	40.37' LT	3 SD316
C136	996+17.06	8.15' LT	SEE 'STORY STATION SUPPORTED PLATFORM' DWGS

NOTE: VERIFY LRT SIGNAL LOCATIONS WITH JS DWGS

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NO.	DATE	REVISIONS
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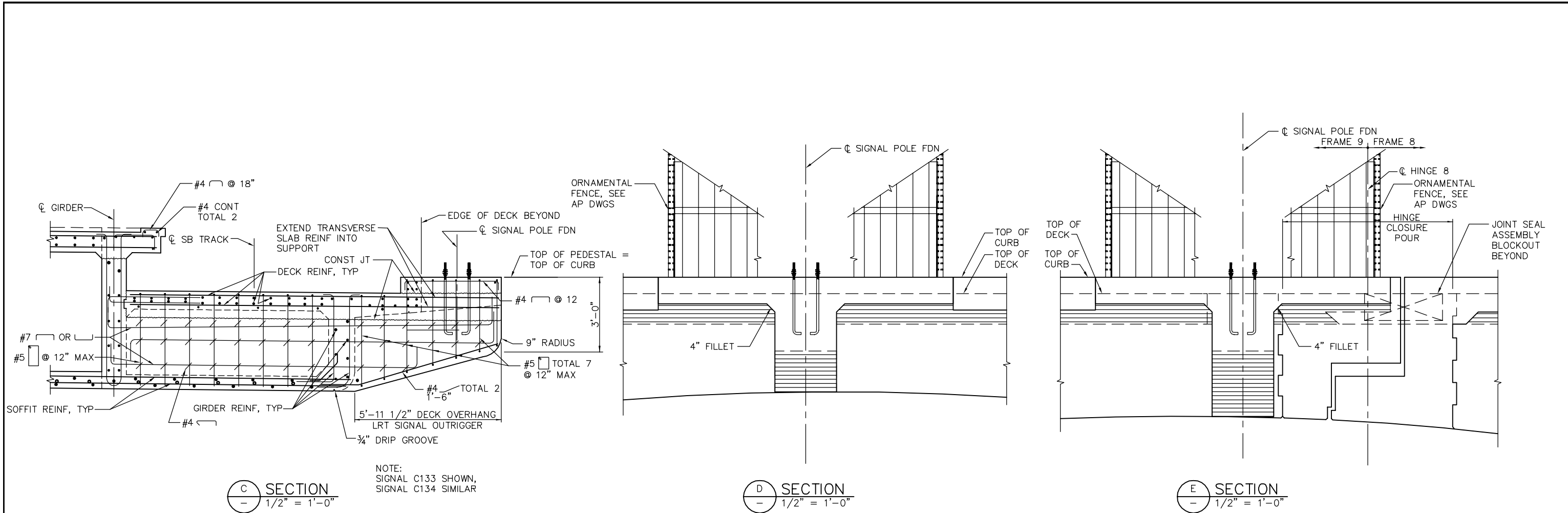
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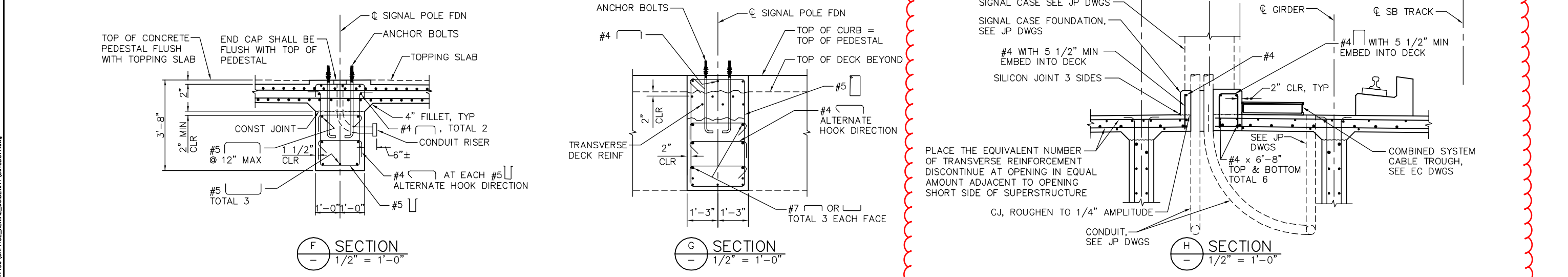
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
SIGNAL FOUNDATION DETAILS No. 1

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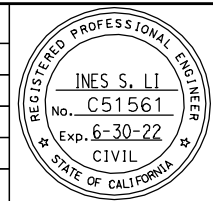
Redesign of conduits entering the side of signal cabinet base pending



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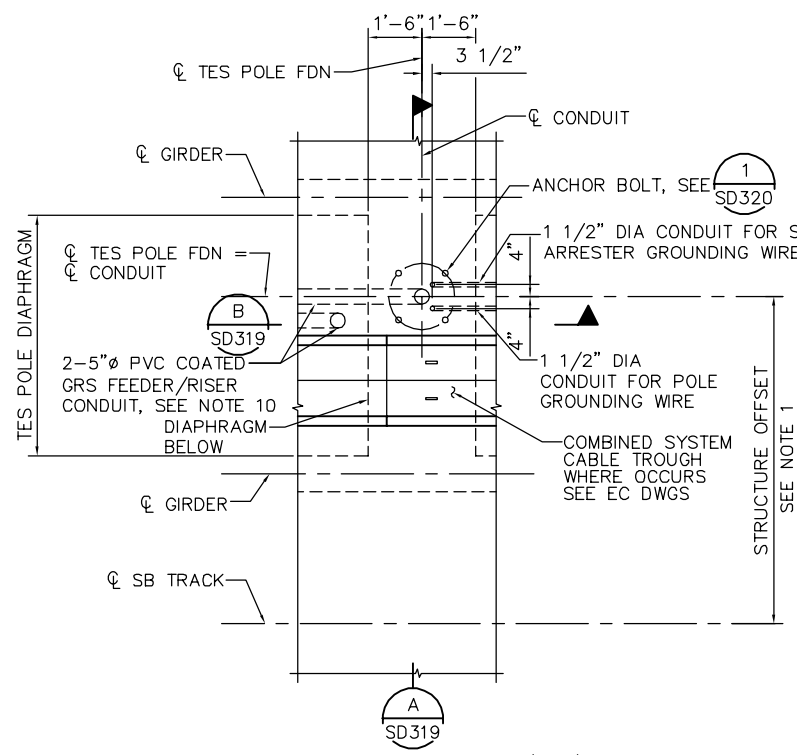
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
SIGNAL FOUNDATION DETAILS No. 2

FILE LOCATION
PROJECTWISE

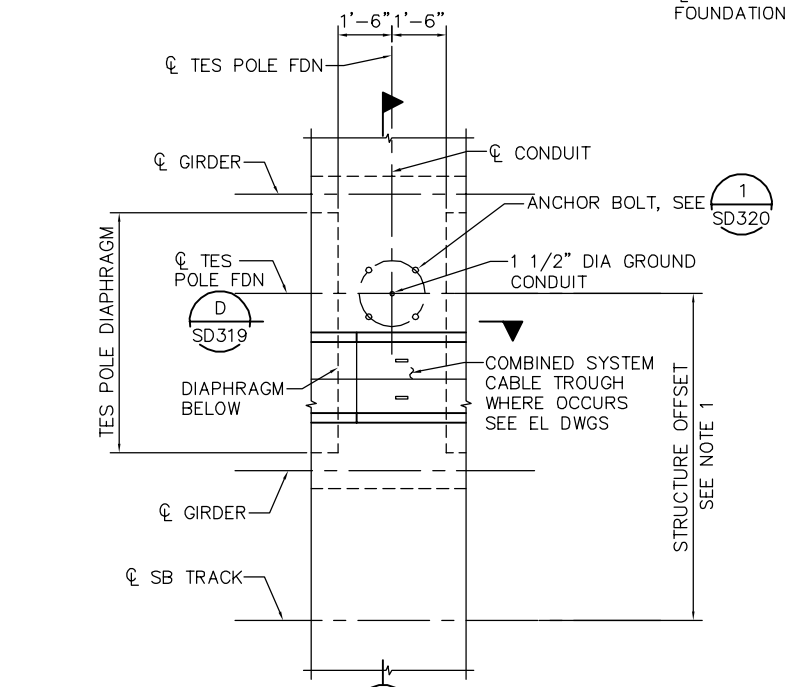
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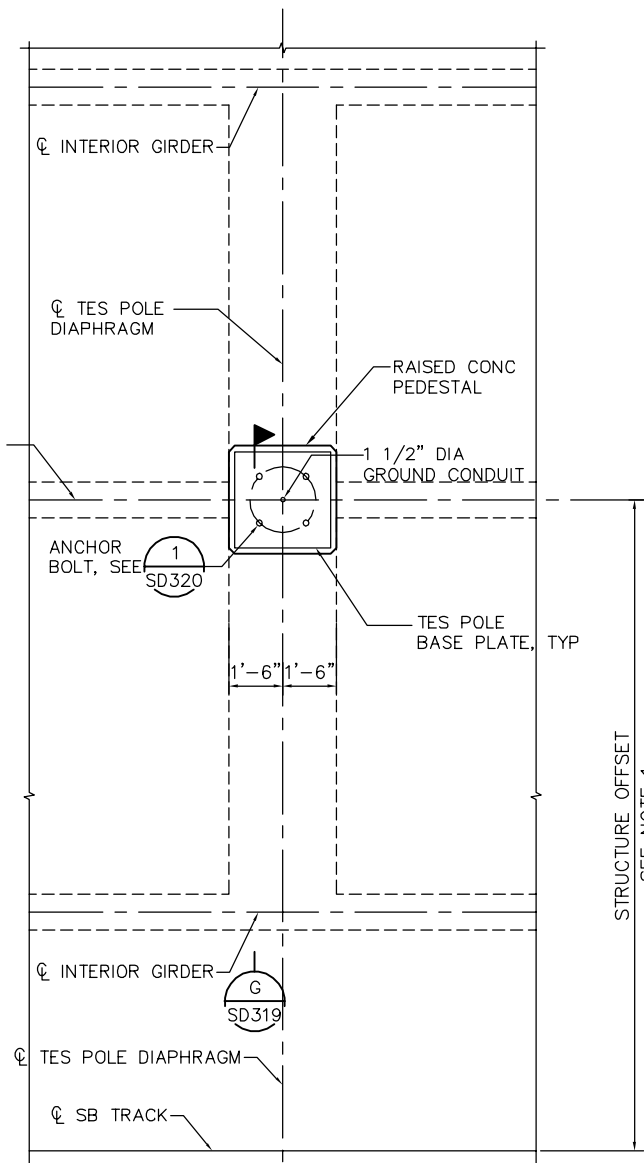
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REVISION B



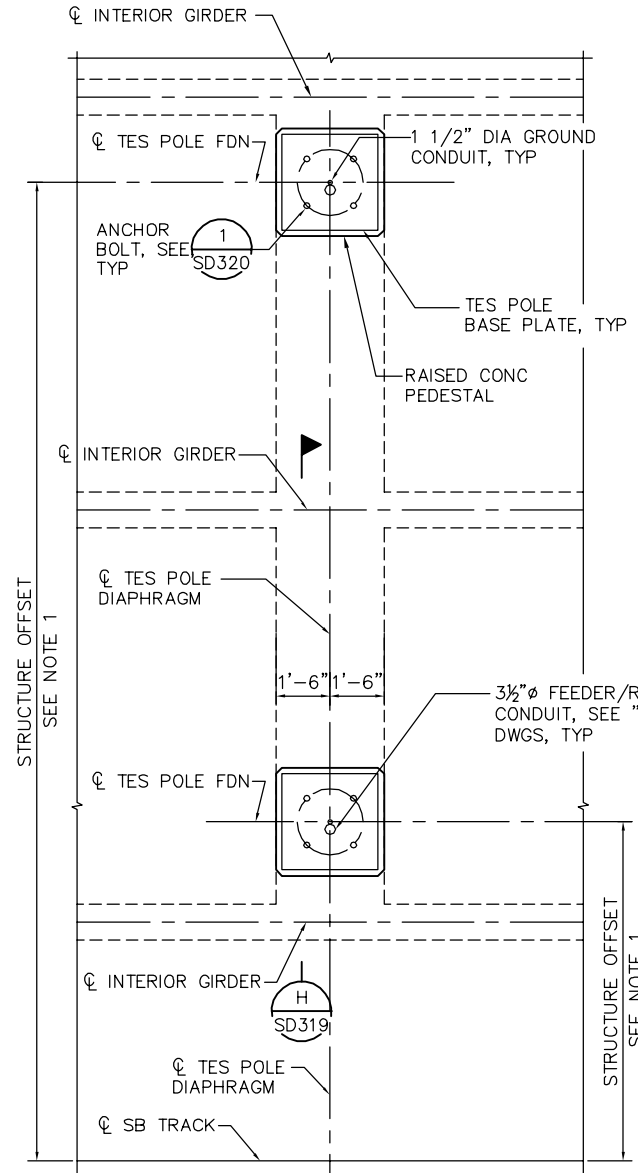
TES POLE ON DECK - FF2 (MOD)
PLAN
 3/8" = 1'-0"



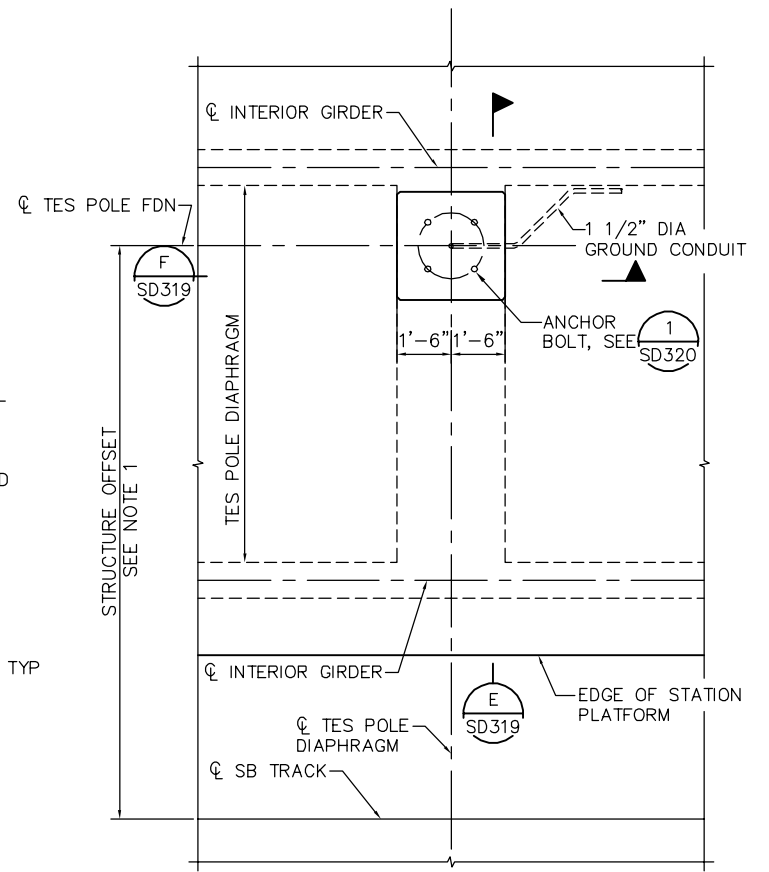
TES POLE ON DECK - FS2 (MOD)
PLAN
 3/8" = 1'-0"



TES POLE ON DECK (BEFORE BENT 14) - FS2 (MOD 2)
PLAN
 3/8" = 1'-0"



TES POLE ON DECK (AFTER BENTS 15 & 19) - FF2 (MOD 2)
PLAN
 3/8" = 1'-0"



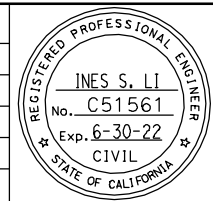
TES POLE ON PLATFORM - FS2 (MOD)
PLAN
 3/8" = 1'-0"

- TES FOUNDATION NOTES:**
- FOR FOUNDATION OFFSET, LOCATION, AND POLE, SEE OVERHEAD CONTACT SYSTEM DWG PD301.
 - ANCHOR BOLTS SHALL BE ASTM F1554 GR55 WITH HEAVY HEXAGONAL NUTS AS PER ASTM A563 AND FLAT WASHERS AS PER ASTM F436.
 - ALL BOLTS, PLATES, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED AS PER ASTM A153.
 - FOR POLE GROUNDING, PROVIDE CONDUITS, CAPS AND PROTECTION.
 - CAP AND PROTECT THE CONDUITS DURING AND AFTER CONSTRUCTION.
 - FOR CURVED TRACK, THE REFERENCE LINE SHOWN PERPENDICULAR TO TRACK CENTERING SHALL BE RADIAL TO THE CURVE.
 - PROTECT ANCHOR BOLTS ABOVE TOP OF CONCRETE DECK OR PEDESTAL FROM DAMAGE AND RESIDUAL CONCRETE DURING AND AFTER DECK OR PEDESTAL CONSTRUCTION.
 - CONDUIT SHALL BE PROVIDED WITH TES POLE FOUNDATIONS FOR GROUND WIRE. SEE EC DWGS.
 - PROVIDE 20 HEAVY HEX NUTS AND 16 WASHERS FOR EACH FOUNDATION, AND 2 SPARE NUTS AND 2 SPARE WASHERS PER FOUNDATION.
 - FOR FEEDER CONDUIT ORIENTATION, SEE COMBINED SYSTEM DUCTBANK DRAWINGS.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED
 D. CHAN

CHECKED
 D. DEVLIN

DRAWN
 S. HICKEY

CADD FILENAME
 801SD318.dwg



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 05/18/20

SCALE
 AS SHOWN

SUBMITTAL DATE
 06/29/20

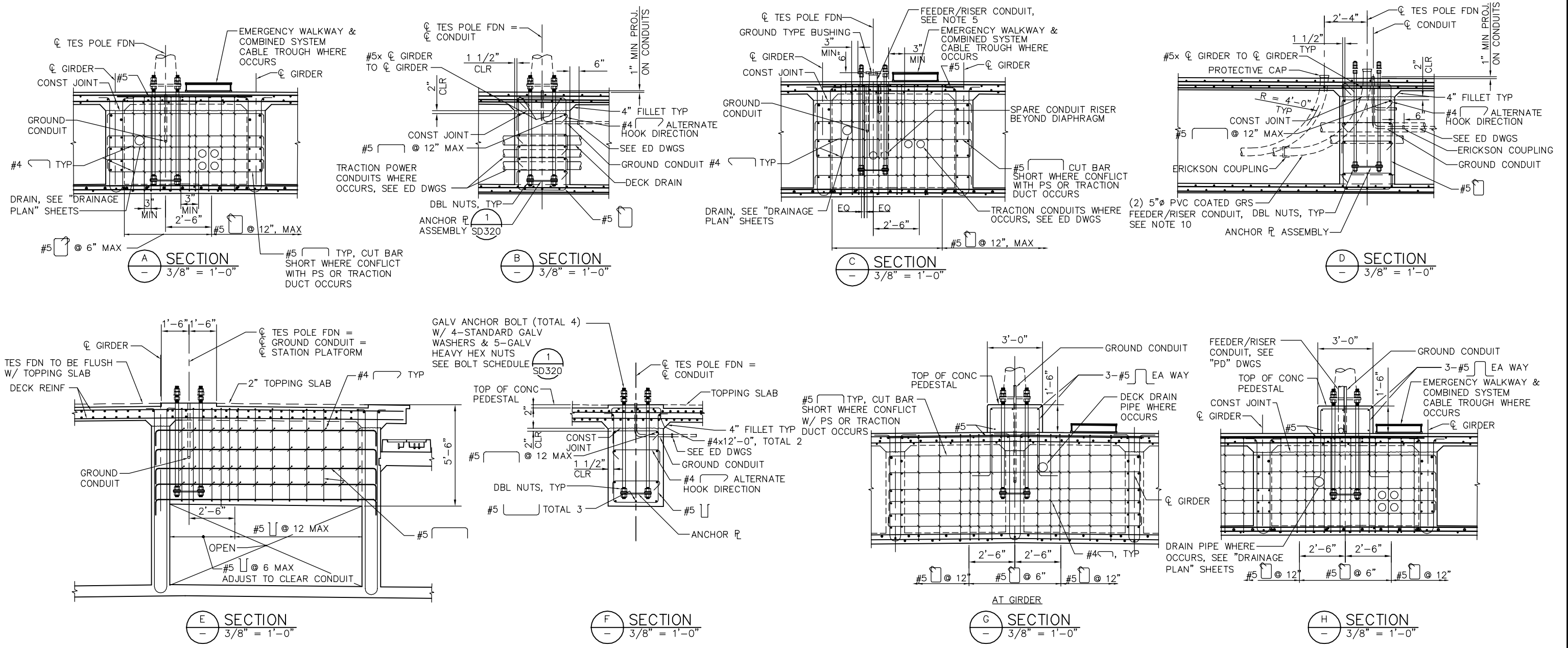
BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 TES FOUNDATION DETAILS No. 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SD318
REVISION	B

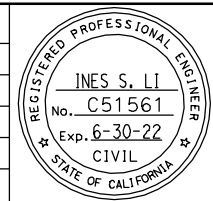
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NOTE:
FOR TES FOUNDATION NOTES, SEE "TES FOUNDATION
DETAILS NO. 1" SHEET

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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
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CADD FILENAME: 801SD319.dwg



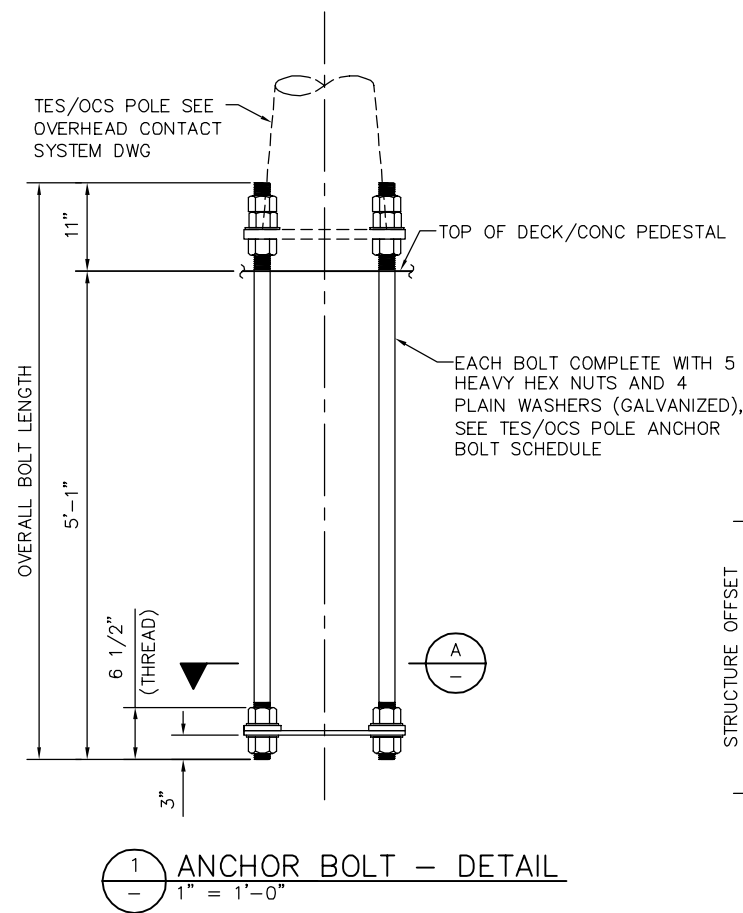
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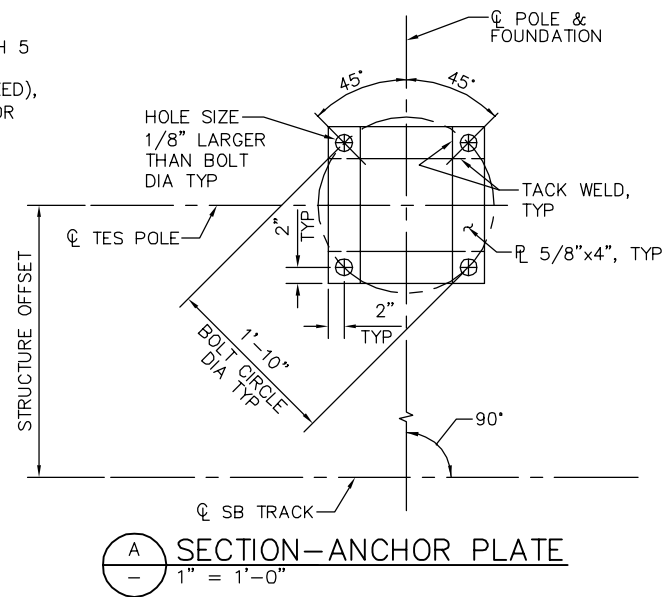
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TES FOUNDATION DETAILS No. 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SD319
REVISION	B



1 ANCHOR BOLT - DETAIL
1" = 1'-0"



A SECTION-ANCHOR PLATE
1" = 1'-0"

TES/OCS POLE ANCHOR BOLT SCHEDULE		
FOUNDATION TYPE	ROD DIA.	OVERALL BOLT LENGTH
FS2 (MOD)	2"	72"
FS2 (MOD2)	2"	72"
FF2 (MOD)	2"	72"
FF2 (MOD2)	2"	72"

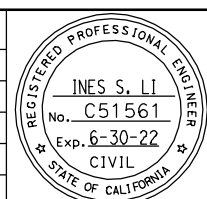
FOR FS2 (MOD) DIAPHRAGM AND REINF AT PRESTRESSED GIRDER SPAN, SEE "PC POST TENSIONED WIDE FLANGE GIRDER DETAILS" SHEETS

NOTES:
FOR TES FOUNDATION NOTES, SEE "TES FOUNDATION DETAILS No. 1" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

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DRAWN: S. HICKEY
CADD FILENAME: 801SD320.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 05/18/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

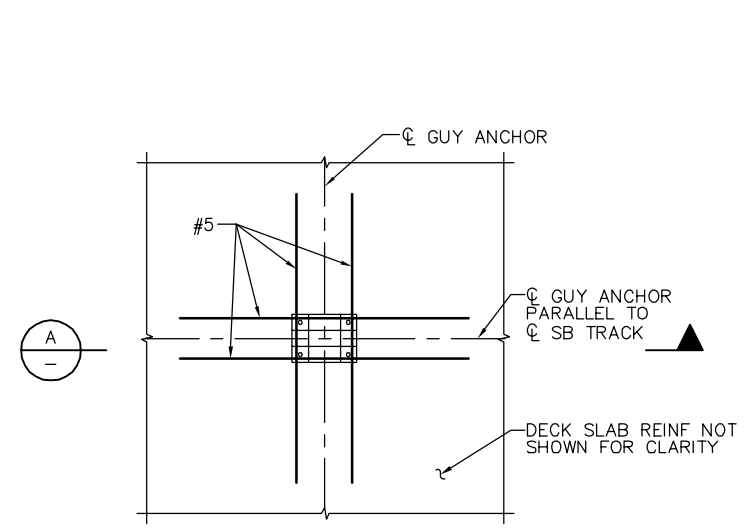
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TES FOUNDATION DETAILS No. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

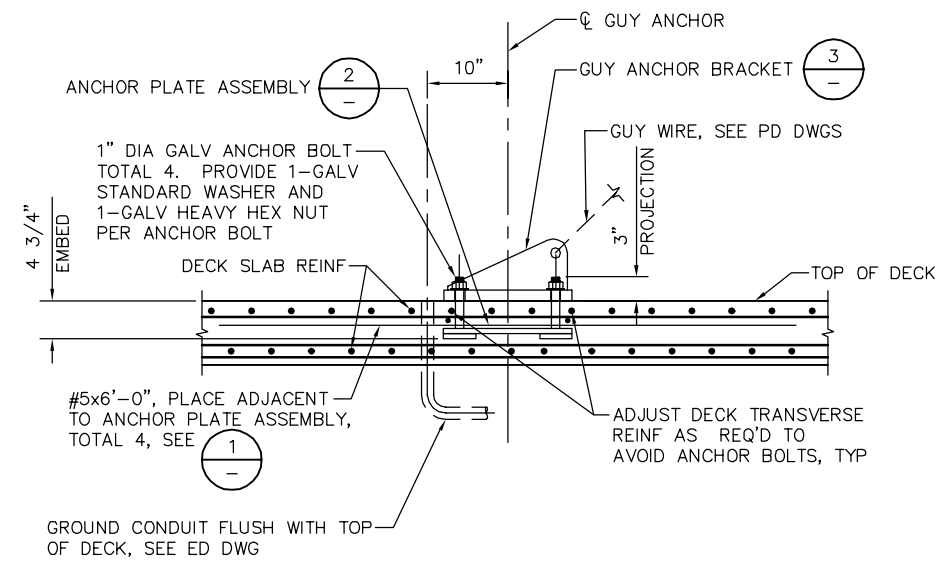
SHEET OF DRAWING NO. SD320 REVISION B

GUY ANCHOR NOTES:

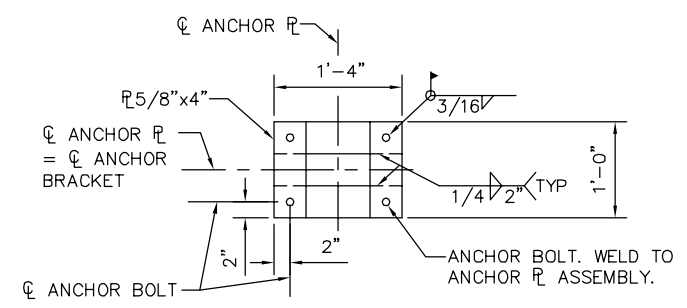
- FOR GUY ANCHOR OFFSET AND LOCATION, SEE OVERHEAD CONTACT SYSTEM DWG PD301.
- ANCHOR BOLTS SHALL BE ASTM F1554 GR55 WITH HEAVY HEXAGONAL NUTS AS PER ASTM A563 AND FLAT WASHERS AS PER ASTM F436.
- ALL NUT WASHERS SHALL BE HOT-DIP GALVANIZED AS PER ASTM A153.
- GUY ANCHOR BRACKET SHALL BE ASTM A36. HOT-DIP GALVANIZE GUY ANCHOR ASSEMBLY PER ASTM A123.
- CAP AND PROTECT THE CONDUITS DURING AND AFTER CONSTRUCTION.
- PROTECT ANCHOR BOLTS ABOVE TOP OF CONCRETE DECK FROM DAMAGE AND RESIDUAL CONCRETE DURING AND AFTER DECK CONSTRUCTION.
- CONDUIT SHALL BE PROVIDED WITH GUY ANCHOR FOUNDATIONS FOR GROUND WIRE. SEE EC DWGS.
- PROVIDE 4 HEAVY HEX NUTS AND 4 WASHERS FOR EACH GUY ANCHOR, AND 2 SPARE NUTS AND 2 SPARE WASHERS PER GUY ANCHOR.



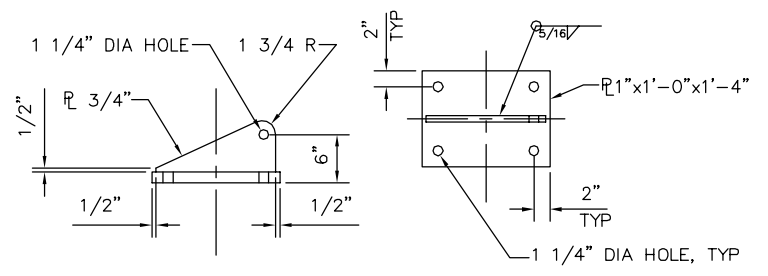
1 PLAN: GUY ANCHOR ON DECK - FG-1A (MOD)
1/2" = 1'-0"



A SECTION
1" = 1'-0"



2 ANCHOR PLATE ASSEMBLY AT GUY ANCHOR
1" = 1'-0"

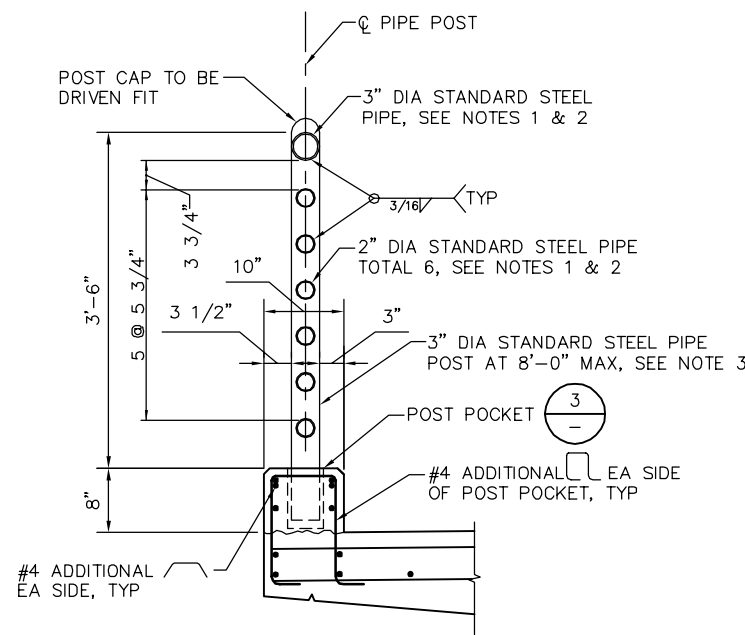


3 DETAIL
1" = 1'-0"

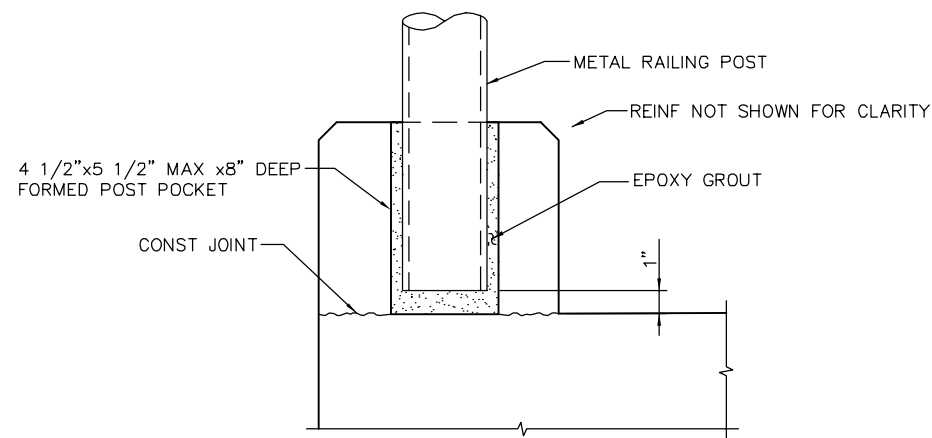
PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:33am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD321.dwg

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NO.	DATE	REVISIONS																	
B	06/20	95% SUBMITTAL SET																	
A	03/19	65% SUBMITTAL SET																	
DESIGNED D. CHAN	CHECKED D. DEVLIN	<p>PCA NO. 000</p>	<p>CONTRACT NO. C801</p>	<p>FILE LOCATION PROJECTWISE</p>															

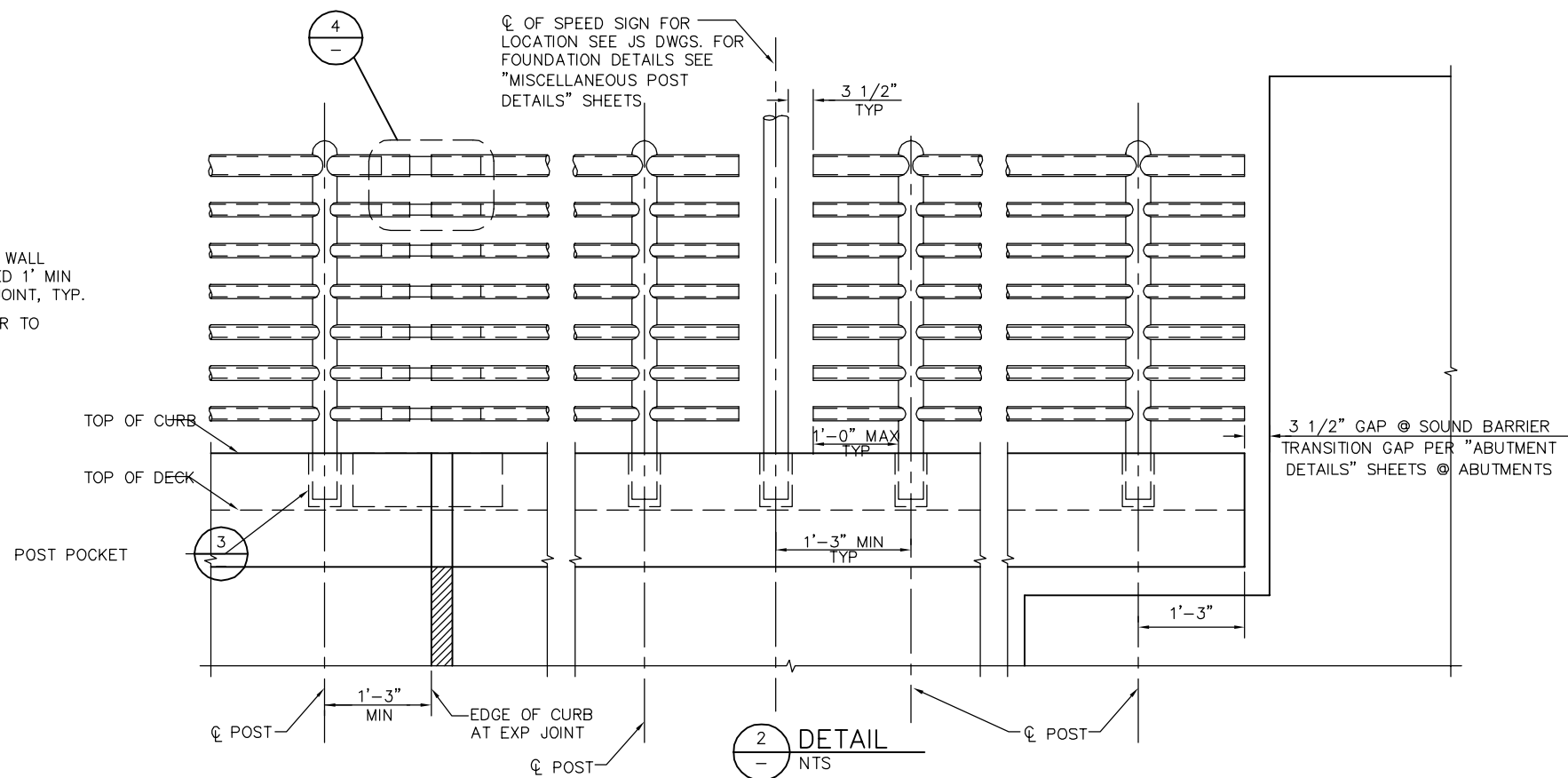


1 METAL RAILING DETAIL
1" = 1'-0"

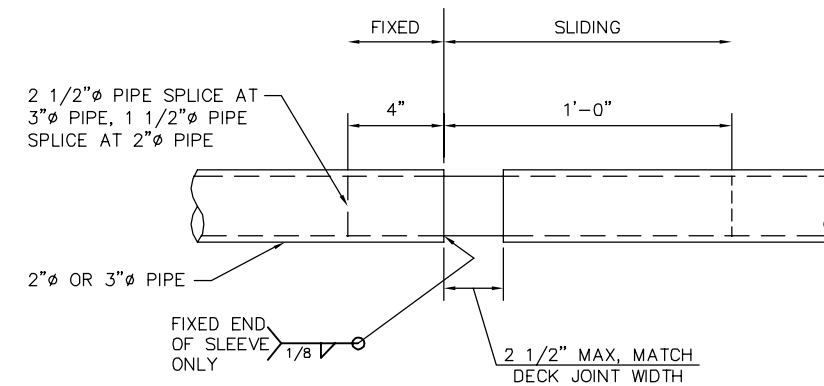
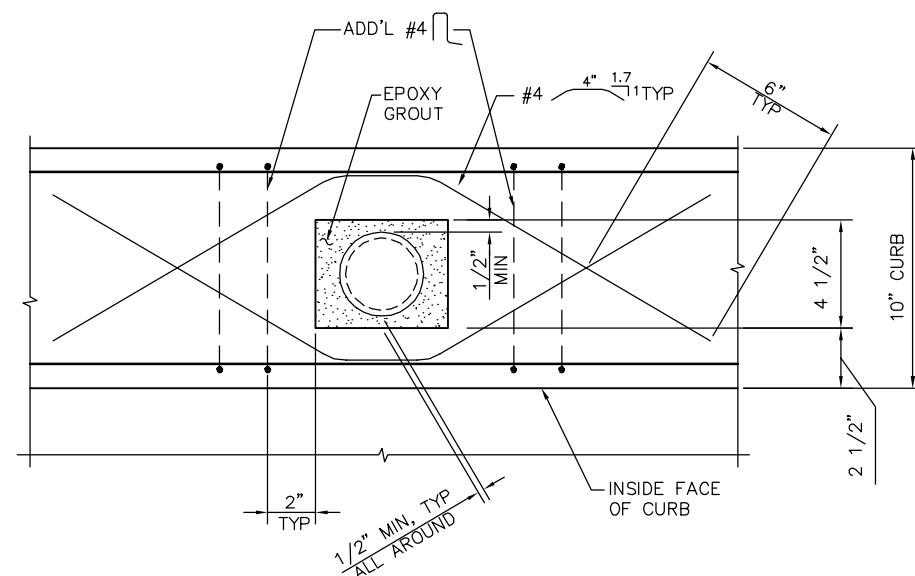


3 DETAIL
3" = 1'-0"

- METAL RAILING NOTES:**
- STEEL PIPES SHALL BE GALVANIZED AFTER FABRICATION.
 - SPLICE PER $\frac{2}{-}$ AT LOCATIONS WHERE HORIZONTAL PIPES CROSS A HINGE OR WALL EXPANSION JOINT.
 - PIPE POSTS ADJACENT TO HINGES OR WALL EXPANSION JOINTS SHALL BE CENTERED 1' MIN FROM EDGE OF HINGE GAP OR WALL JOINT, TYP.
 - VERIFY POST POCKET LOCATIONS PRIOR TO FABRICATING METAL RAILINGS.



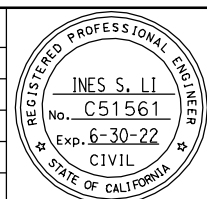
2 DETAIL
NTS



4 DETAIL
3" = 1'-0"

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
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CADD FILENAME: 801SD322.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
METAL RAILING DETAILS

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SD323
REVISION B

SOUND BARRIER LOCATION		
ID	NORTHBOUND (EAST) SIDE	
#2E	SB STA 972+08.73 TO 992+29.07	FRAME 1 TO FRAME 7
#3E	SB STA 996+97.24 TO 1050+80.83	PARTIAL FRAME 9 TO FRAME 26 (BENT 56)

SOUND BARRIER LOCATION		
ID	SOUTHBOUND (WEST) SIDE	
#2W	SB STA 972+08.73 TO 992+29.07	FRAME 1 TO FRAME 7
#3W	SB STA 996+97.24 TO 1040+63.04	PARTIAL FRAME 9 TO FRAME 23 (BENT 49)

SOUND BARRIER NOTES:

- SOUND BARRIER LIMITS APPLY TO AERIAL GUIDEWAY ONLY. SEE "NORTH APPROACH WALLS" PLANS FOR SOUND BARRIER #1E & #1W.
- PROVIDE GAPS AT GUIDEWAY HINGES AND AT WALL EXPANSION JOINTS. SOUND BARRIER GAP WIDTHS TO BE AS SPECIFIED IN "SOUND BARRIER JOINT SEAL INFORMATION" TABLE. FOR GAPS AT GUIDEWAY HINGES, SEE "JOINT SEAL ASSEMBLY" SHEETS.
- FOR TRANSITIONS BETWEEN SOUND BARRIER AND ORNAMENTAL FENCE SEE "MISCELLANEOUS POST DETAILS" SHEET. FOR TRANSITIONS BETWEEN SOUND BARRIER AND METAL RAILING SEE "METAL RAILING DETAILS" SHEET.
- FOR SPEED SIGN FOUNDATION DETAILS IN SOUNDBARRIER SEE "MISCELLANEOUS POST DETAILS" SHEET.

SOUND BARRIER DESIGN NOTES

DESIGN
UNIFORM BUILDING CODE, 1997 EDITION AND AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION WITH CALIFORNIA AMENDMENTS.

DESIGN WIND LOAD ON BRIDGE 37 PSF DESIGN SEISMIC LOAD 2.0 DEAD LOAD

REINFORCED CONCRETE

f'c = 3.6 Ksi
fy = 60 Ksi

LOAD FACTORS AND LOAD COMBINATIONS

WORKING STRESS DESIGN (WSD)

- GROUP 1: D+E+SC
- GROUP 2: D+W+SC+E
- GROUP 3: D+EQD/1.4 +E

WHERE:
D = DEAD LOAD
E = LATERAL EARTH PRESSURE
SC = LIVE LOAD SURCHARGE
W = WIND LOAD
EQD SEISMIC DEAD LOAD

LOAD FACTOR DESIGN (LFD)

- Group A: $\beta D + 1.7 E + 1.7 SC$
- Group B: $\beta D + 1.7 E + 1.3 W$
- Group C: $\beta D + 1.3 E + 1.0 EQE$
- Group D: $\beta D + 1.3 E + 1.0 EQD$
- Group E: $\beta D + 1.1 E + 0.85 (EQE+EQD)$

WHERE: $\beta = 0.9$ OR 1.2 , WHICHEVER CONTROLS IN DESIGN

D = DEAD LOAD
E = LATERAL EARTH PRESSURE
SC = LIVE LOAD SURCHARGE
W = WIND LOAD
EQD = SEISMIC DEAD LOAD
EQE = SEISMIC EARTH LOAD

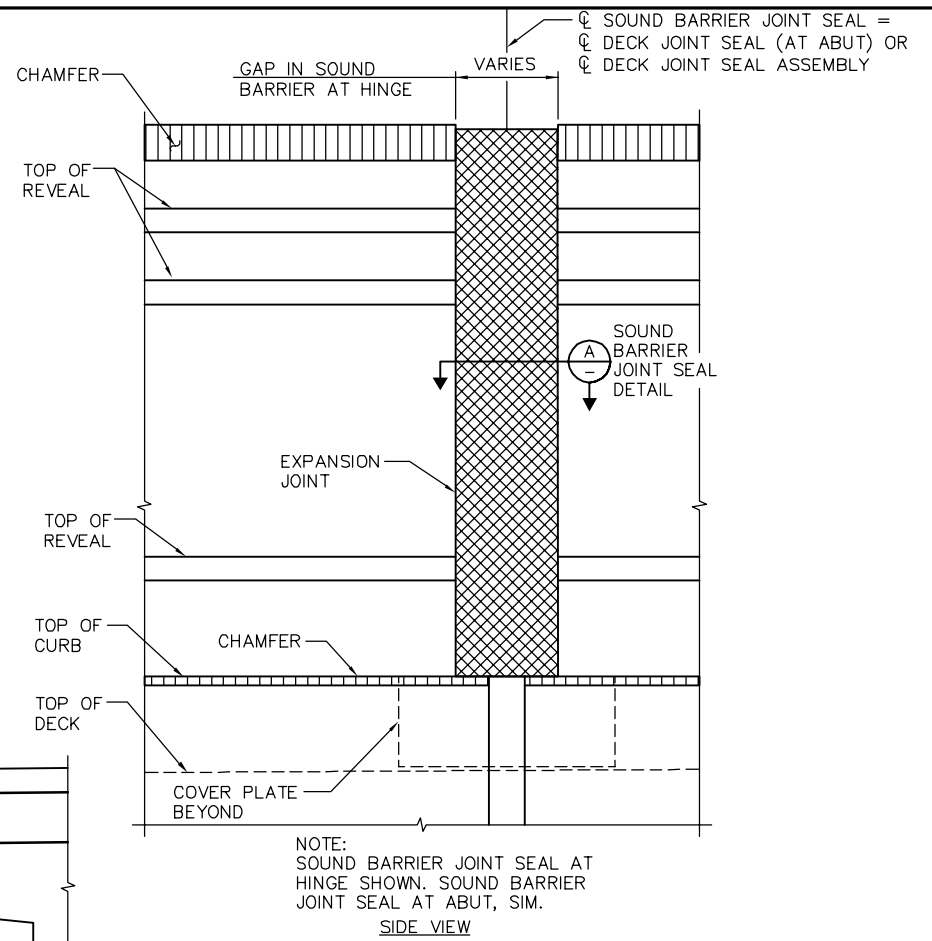
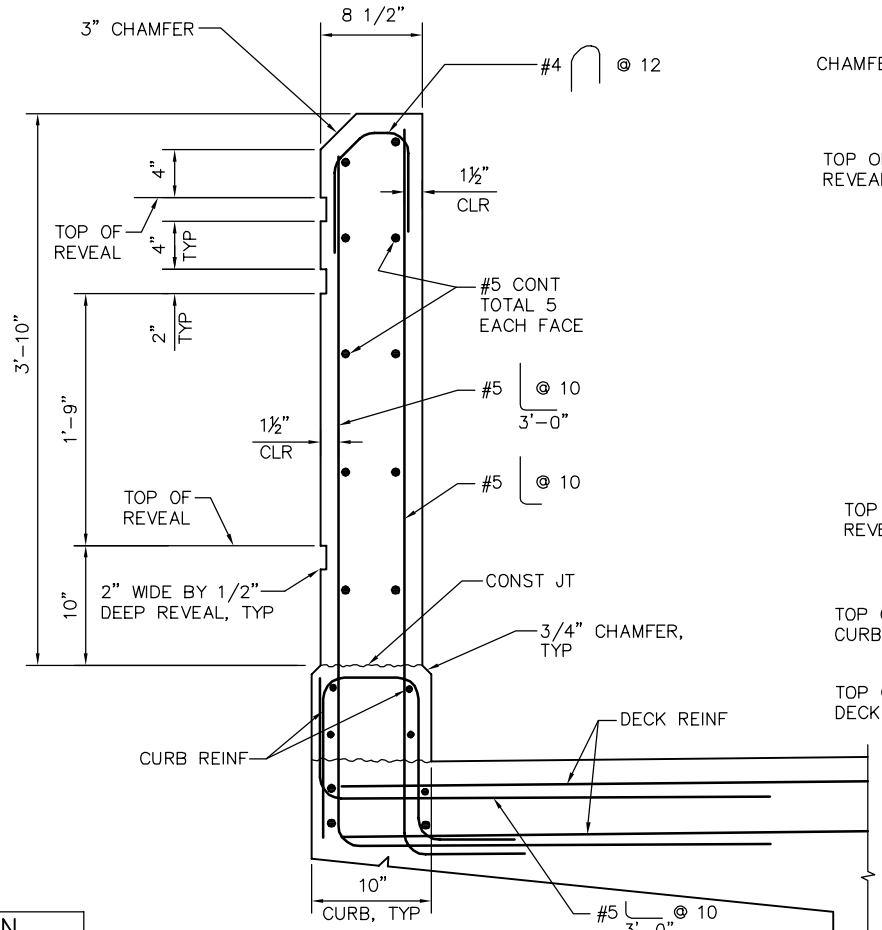
STRENGTH REDUCTION FACTORS

REINFORCED CONCRETE:
FOR FLEXURE $\phi = 0.90$
FOR SHEAR $\phi = 0.85$

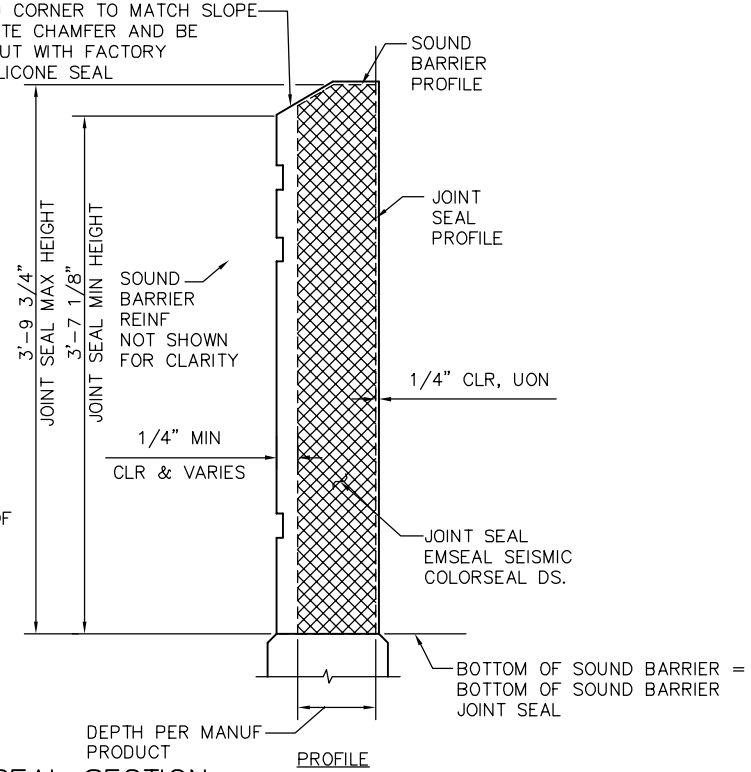
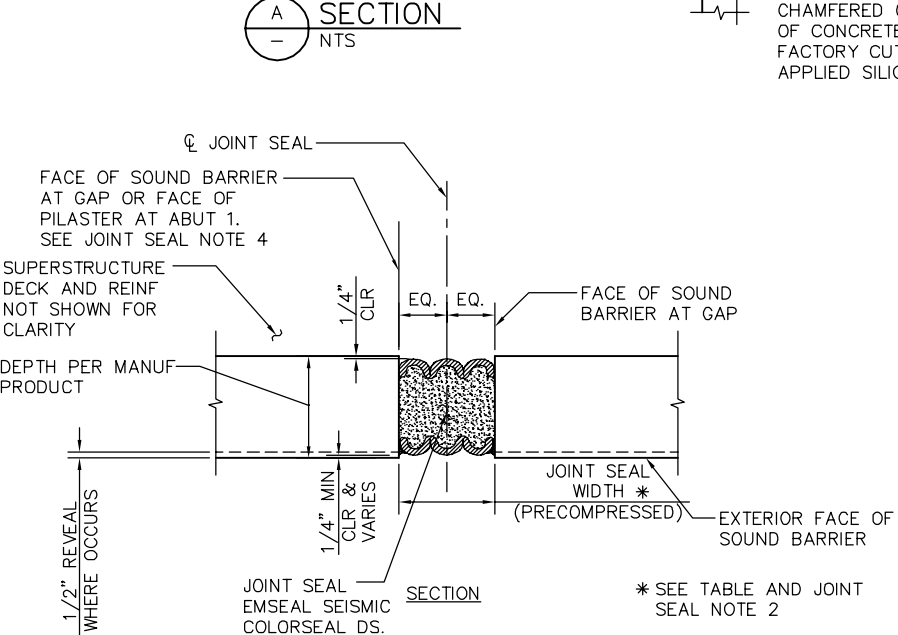
SOUND BARRIER JOINT SEAL INFORMATION			
JOINT INFORMATION		EMSEAL SEISMIC COLORSEAL DS	
LOCATION	MOVEMENT RATING (MR) ¹	NOMINAL SIZE ²	GAP WIDTH = PRECOMPRESSED WIDTH ³ [in]
ABUT 1	2	3	2.5
HINGE 1,2	3.5	5.5	4.5
HINGE 4-6,9-19,22,23,26	4	6.5	5.5
HINGE 3,7	5	7.5	6
HINGE 8,20,21,24,25	5.5	8	6.5

SOUND BARRIER JOINT SEAL NOTES:

- MOVEMENT RATING IS BASED ON MOVEMENT AT DECK JOINT. FOR DECK JOINT MOVEMENT RATING AND JOINT SEAL DETAILS SEE "JOINT SEAL ASSEMBLY" SHEETS.
- NOMINAL SIZE OF JOINT SEAL WIDTH IS BASED ON EMSEAL'S SEISMIC COLORSEAL DS STANDARD PRODUCT SIZES. SEE MANUFACTURER'S PRODUCT DATA SHEETS FOR DEPTH OF JOINT SEAL ASSOCIATED WITH SPECIFIED NOMINAL SIZE.
- NOMINAL SIZE PRODUCT SHALL BE FACTORY PRECOMPRESSED TO THE PRECOMPRESSED WIDTH SPECIFIED. PRECOMPRESSED WIDTH SHALL MATCH THE GAP WIDTH PROVIDED IN THE SOUND BARRIERS AT MOVEMENT JOINTS.
- AT ABUTMENT 1, JOINT SEAL GAP WIDTH IS TO BE PROVIDED IN SOUND BARRIER ONLY. (GAP DOES NOT ENCOACH INTO LIMITS OF ABUTMENT PILASTER)



NOTE: SOUND BARRIER JOINT SEAL AT HINGE SHOWN. SOUND BARRIER JOINT SEAL AT ABUT, SIM. SIDE VIEW

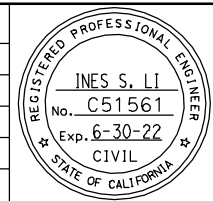


SOUND BARRIER JOINT SEAL SECTION
1 1/2" = 1'-0"

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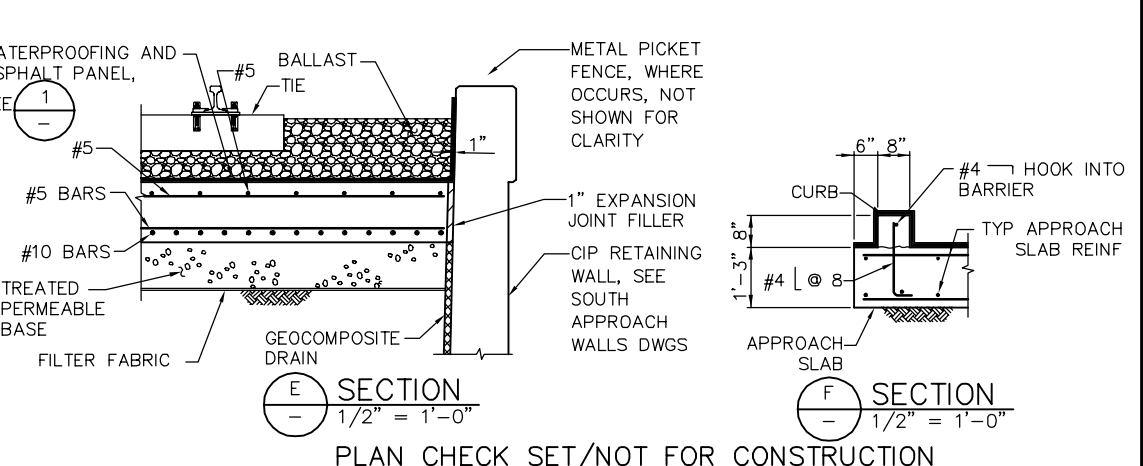
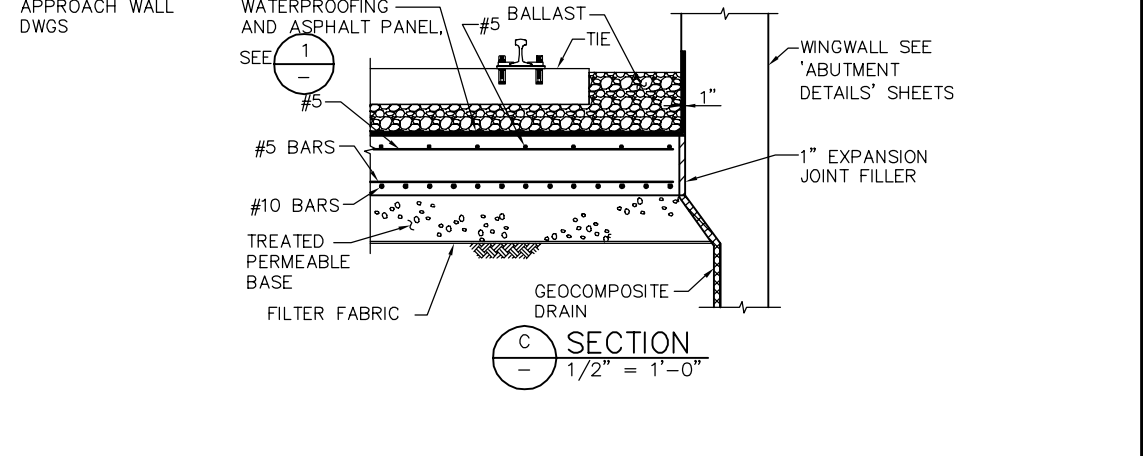
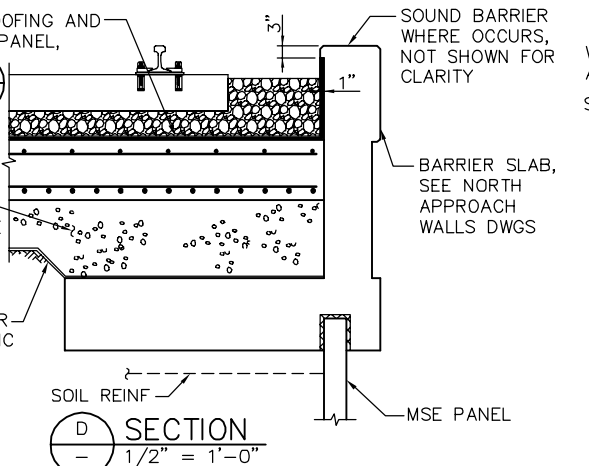
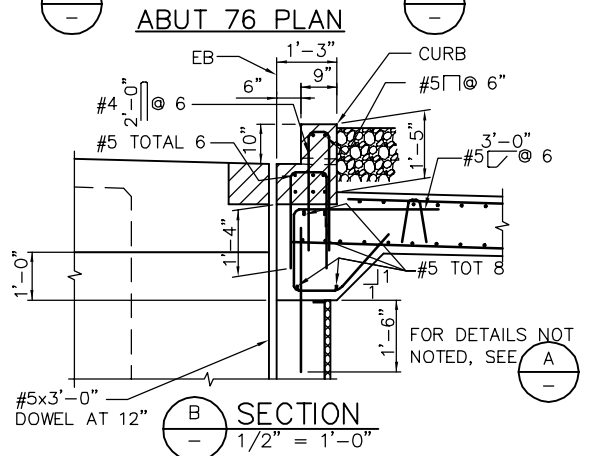
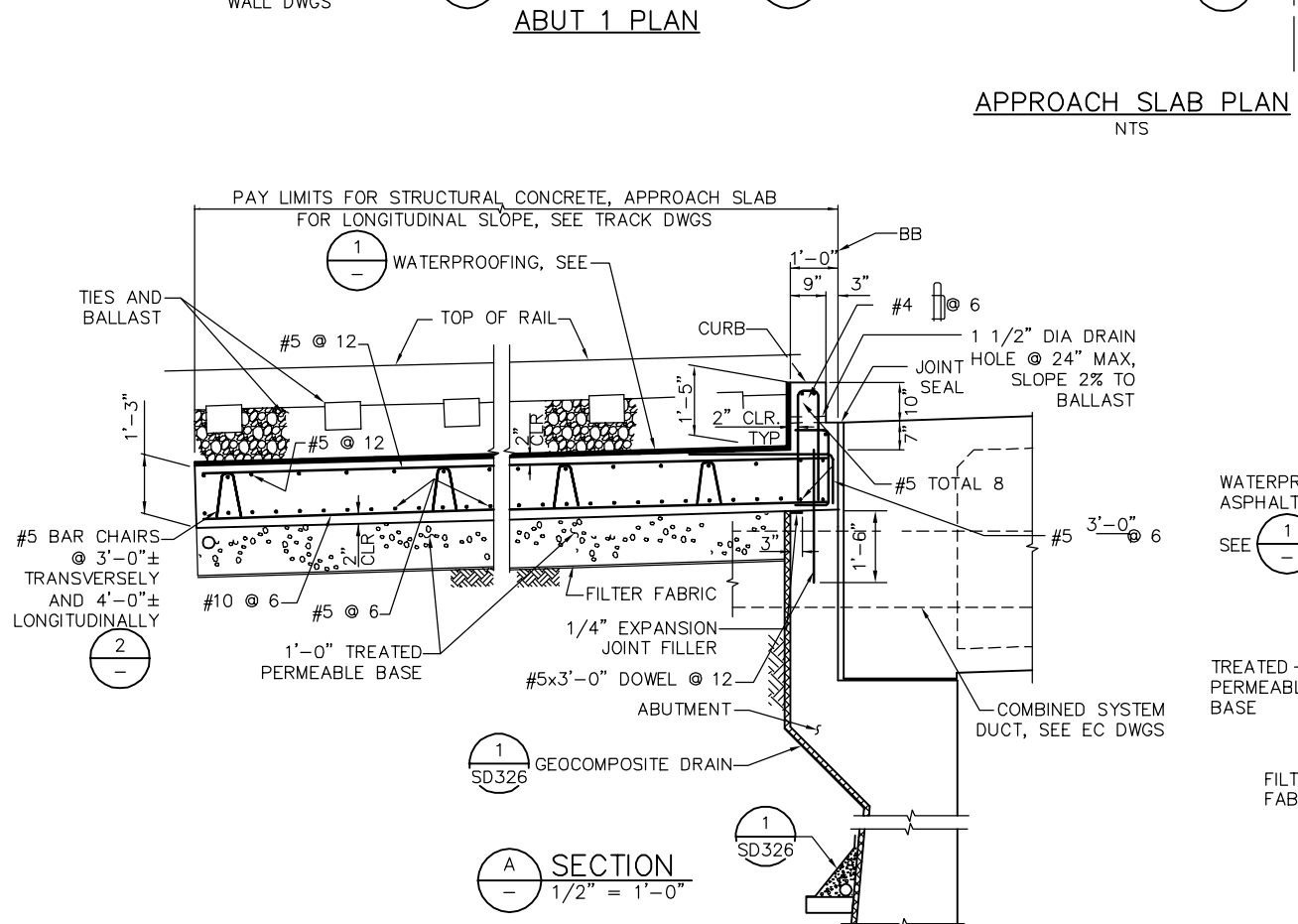
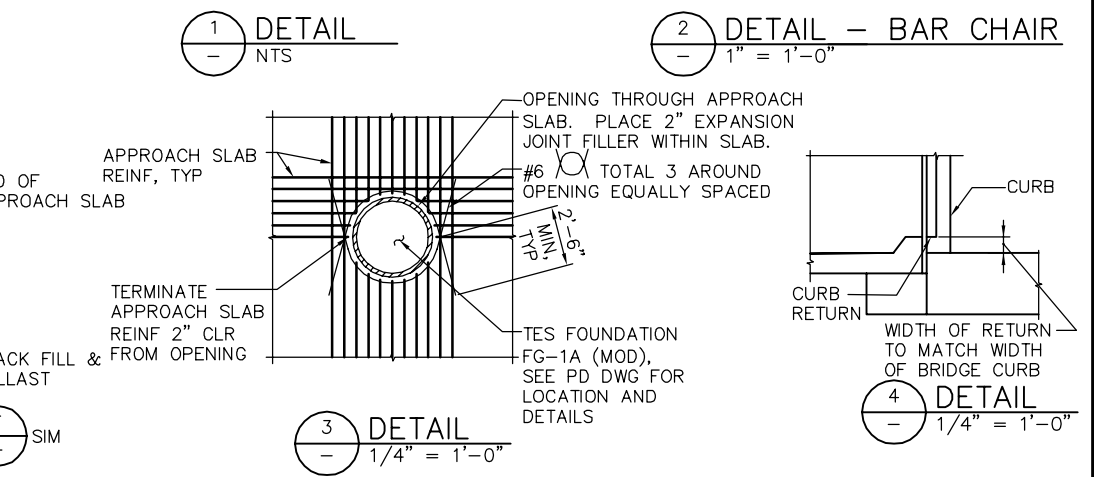
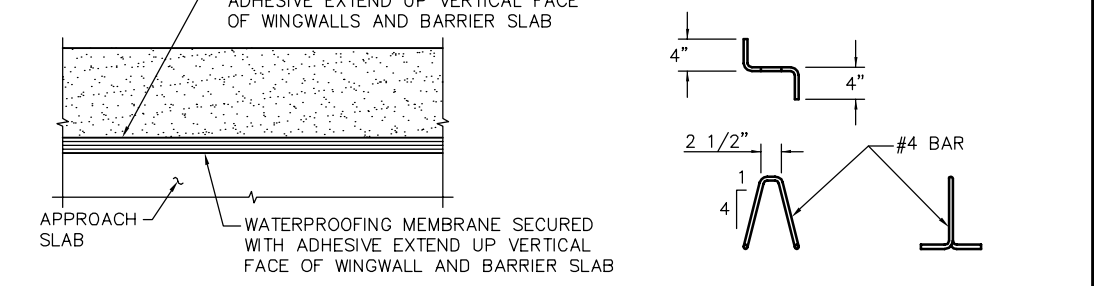
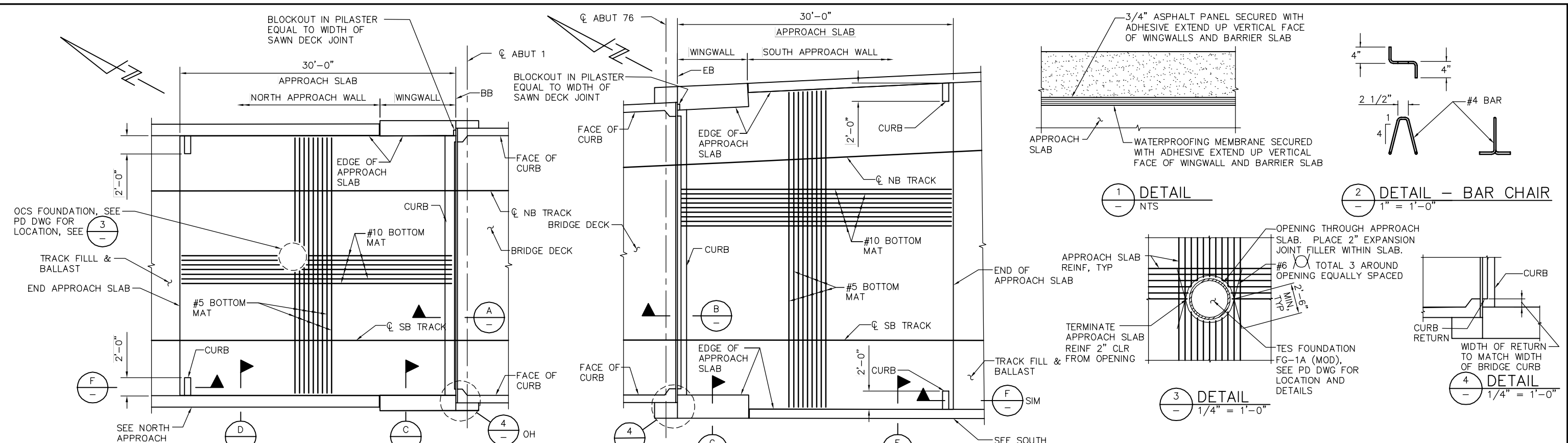
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
SOUND BARRIER DETAILS

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION PROJECTWISE

SHEET OF	
DRAWING NO.	SD324
REVISION	B



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Santa Clara Valley Transportation Authority

BKF 100+ YEARS
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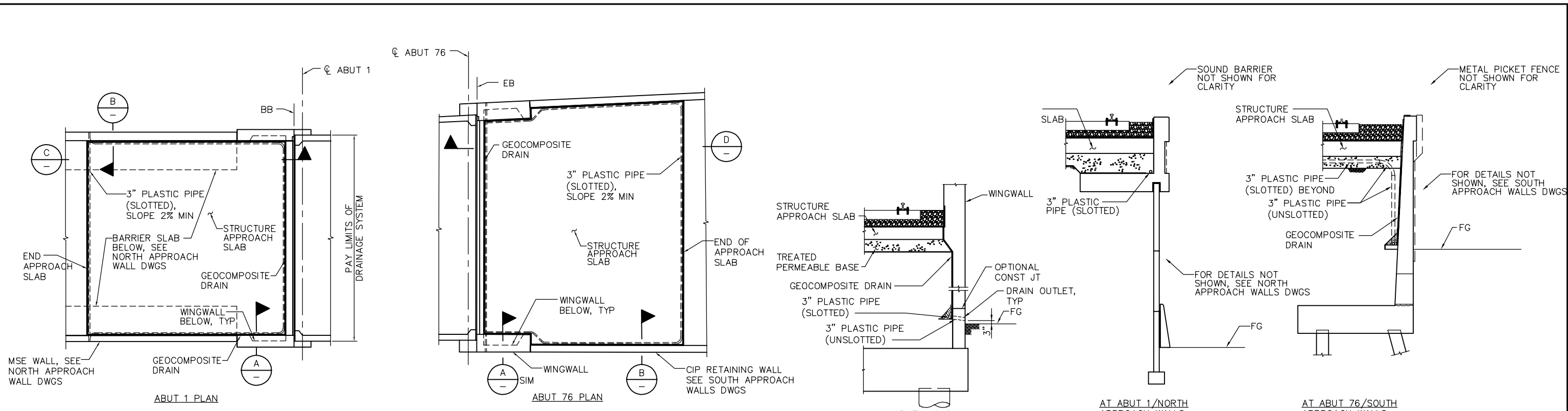
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EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 APPROACH SLAB DETAILS No. 1

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF
 DRAWING NO. SD325
 REVISION B

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APPROACH DRAINAGE PLAN
NTS

SECTION A
1/4" = 1'-0"

SECTION B
1/4" = 1'-0"

SECTION C
1/8" = 1'-0"

SECTION D
1/8" = 1'-0"

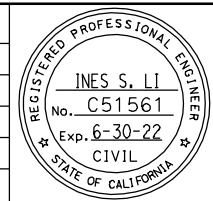
1
1" = 1'-0"

2
1" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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Santa Clara Valley
Transportation
Authority

APPROVED

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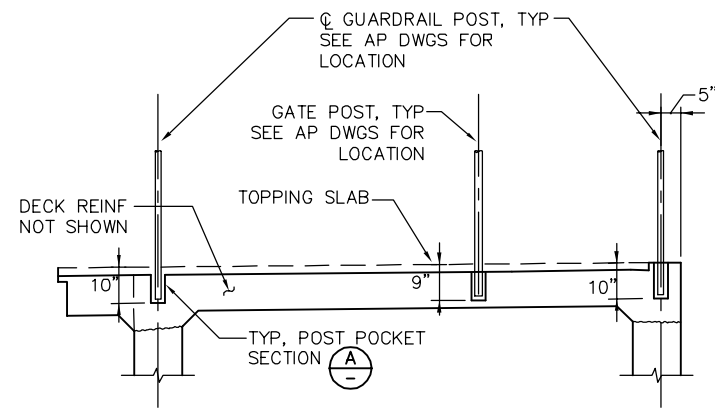
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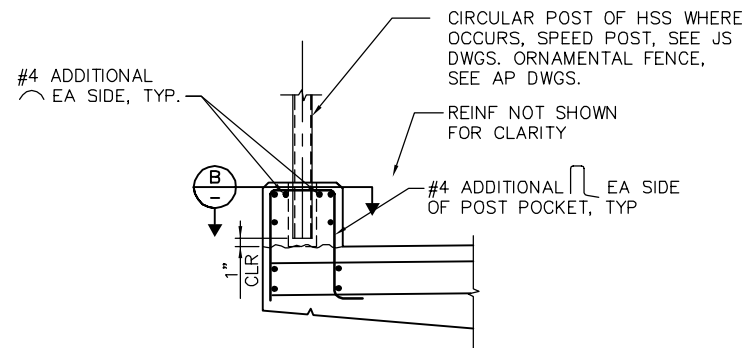
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
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CAPITOL AERIAL GUIDEWAY
APPROACH SLAB DETAILS No. 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

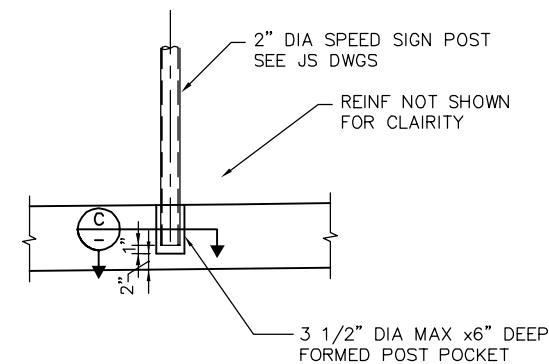
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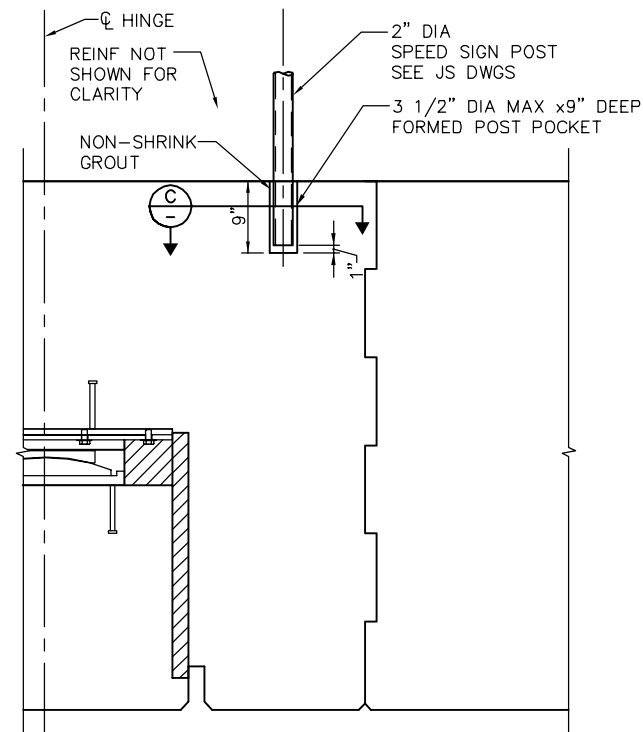
1 GUARDRAIL/ GATE POST DETAIL
1/2" = 1'-0"



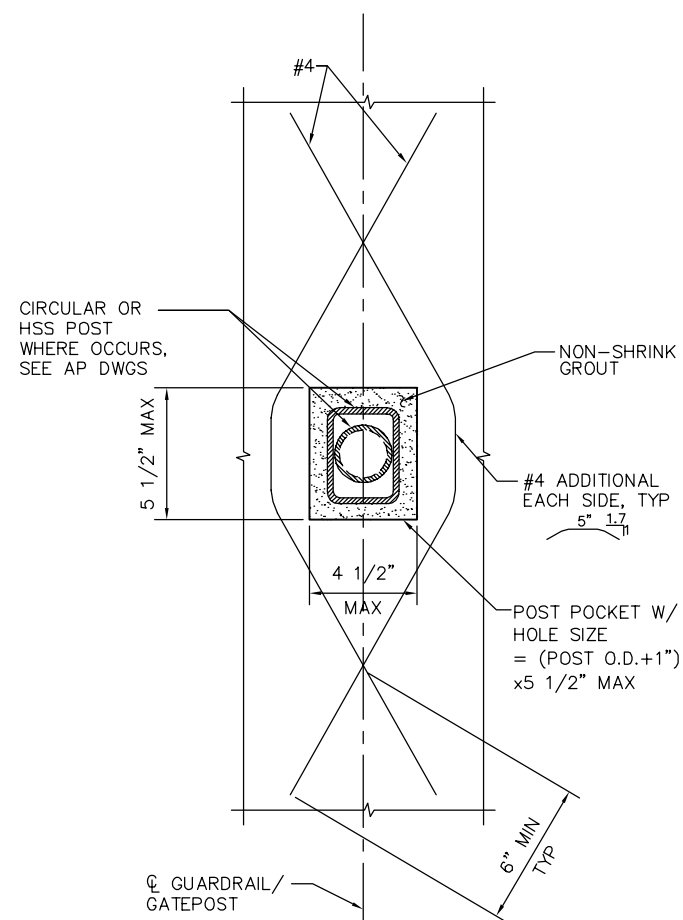
2 SPEED POST/ORNAMENTAL FENCE AT CURB DETAIL
1" = 1'-0"



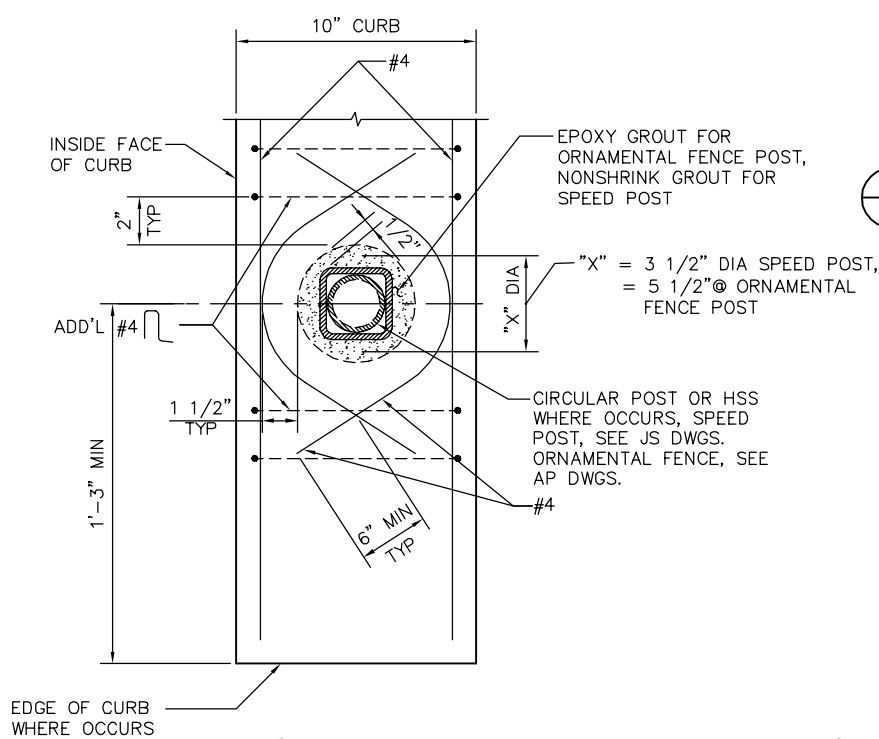
3 SPEED POST ON DECK DETAIL
1" = 1'-0"



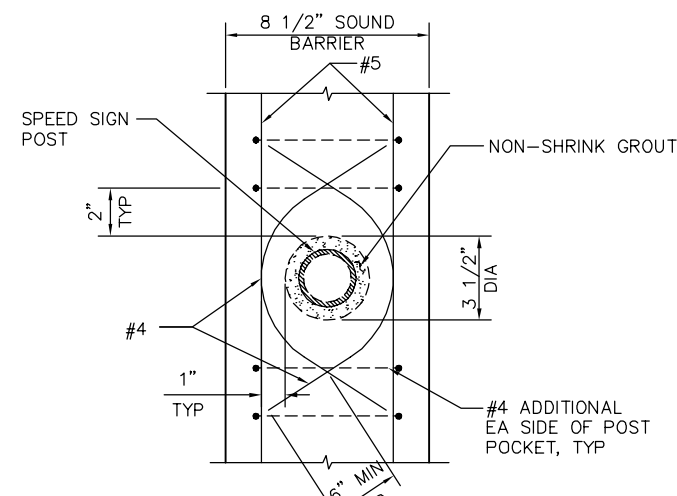
4 SPEED POST AT HINGE 7 DETAIL
1" = 1'-0"



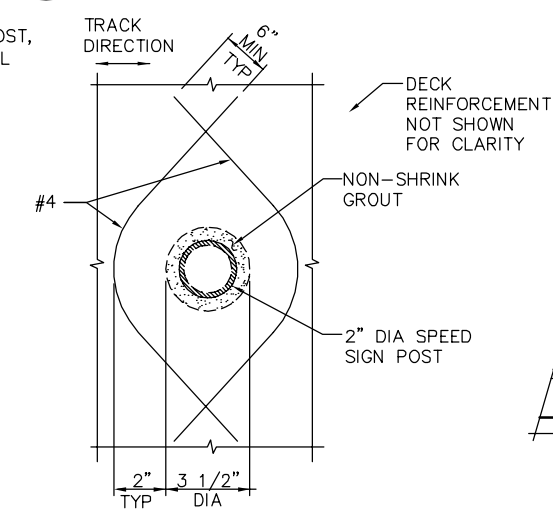
A SECTION: GUARDRAIL/ GATE POST POCKET
NTS



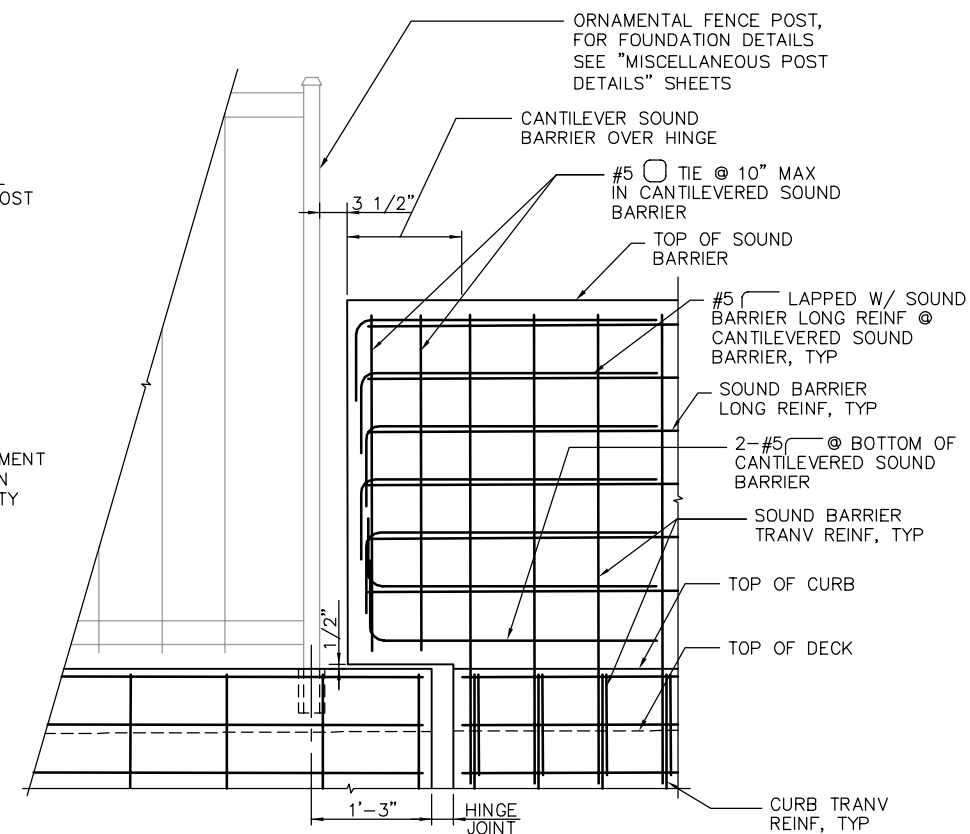
B SECTION @ CURB
NTS



C SECTION ON DECK/ HINGE 7
NTS



D SECTION @ SOUNDBARRIER
NTS



5 SPEED POST ON DECK DETAIL
1" = 1'-0"
PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:35am W:\2017\03\CAPITOL_AERIAL_GUIDEWAY\801SD327.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD327.dwg



APPROVED
BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

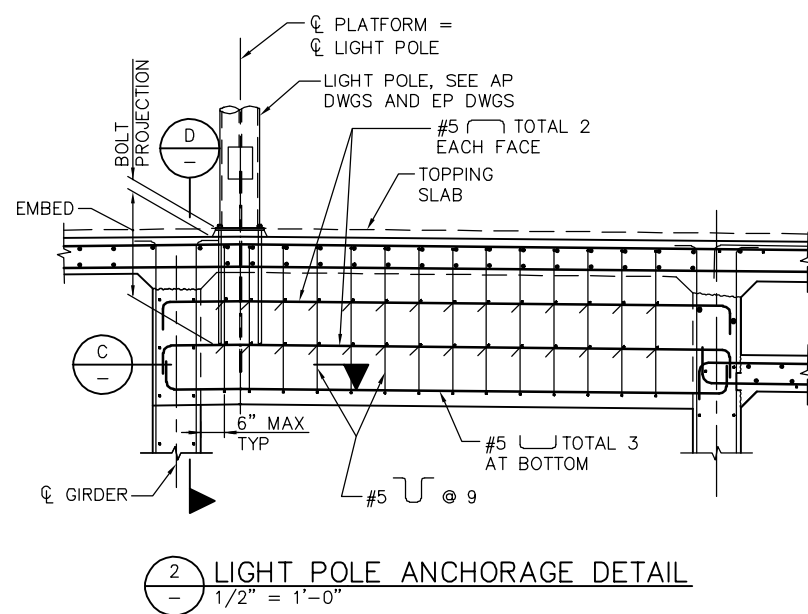
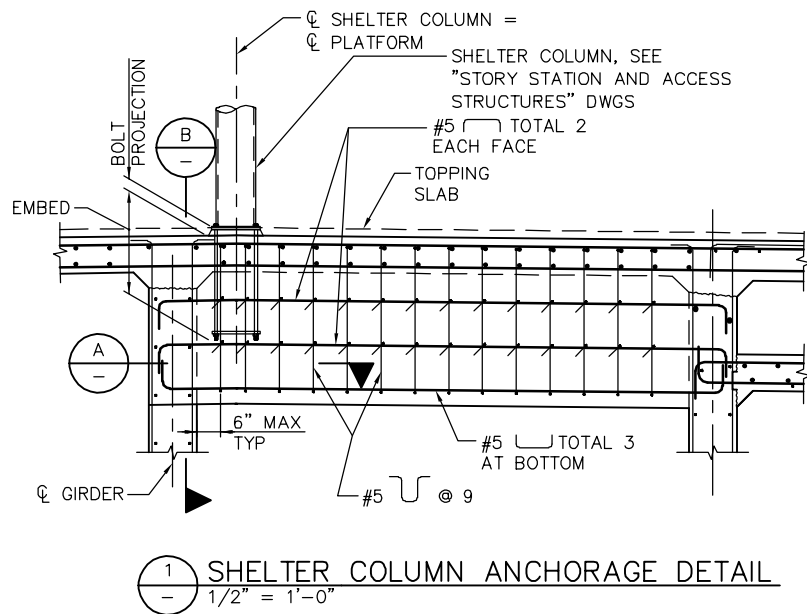
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
MISCELLANEOUS POST DETAILS

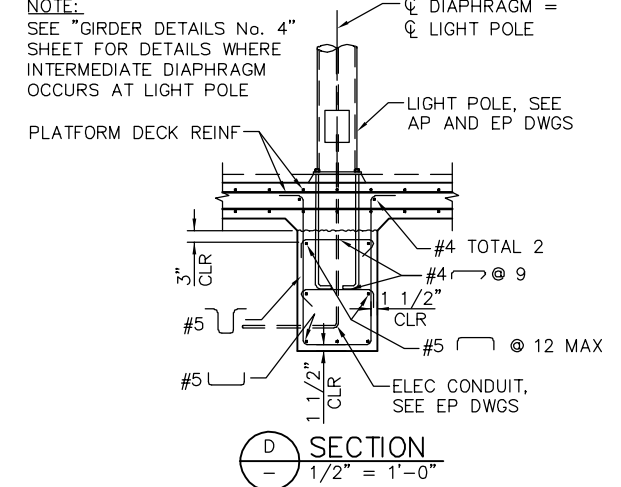
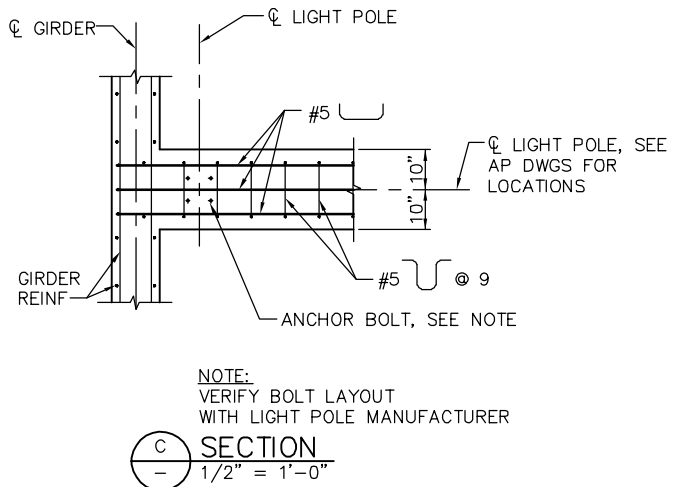
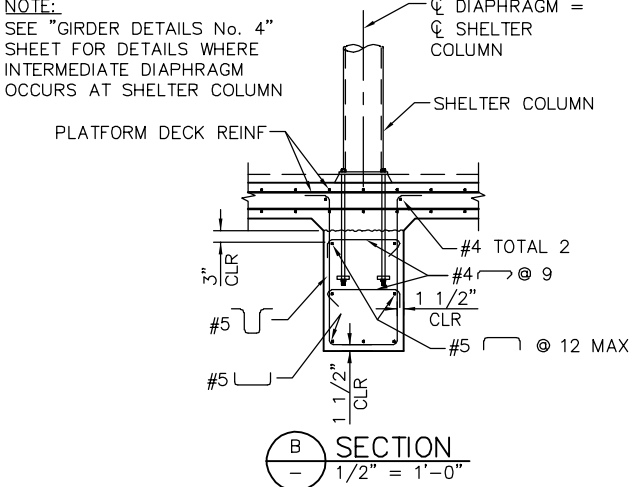
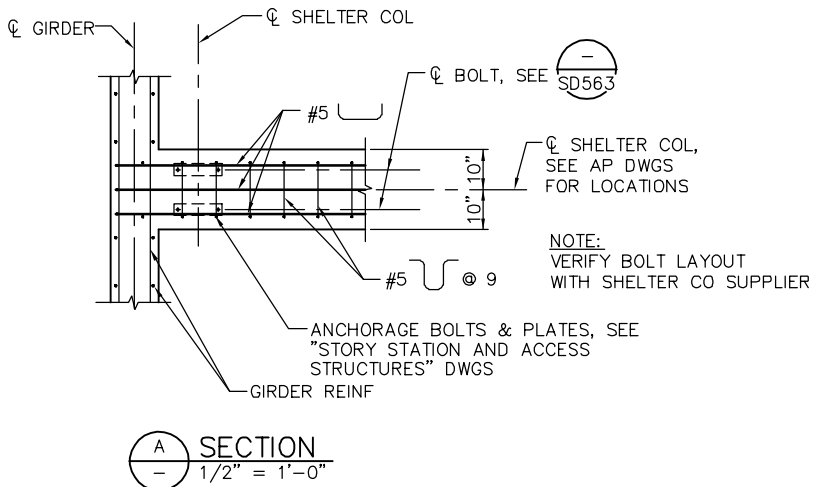
PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SD327	
REVISION B	



1 SHELTER COLUMN ANCHORAGE DETAIL
1/2" = 1'-0"

2 LIGHT POLE ANCHORAGE DETAIL
1/2" = 1'-0"



A SECTION
1/2" = 1'-0"

B SECTION
1/2" = 1'-0"

C SECTION
1/2" = 1'-0"

D SECTION
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 2:21pm W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD328.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD327.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

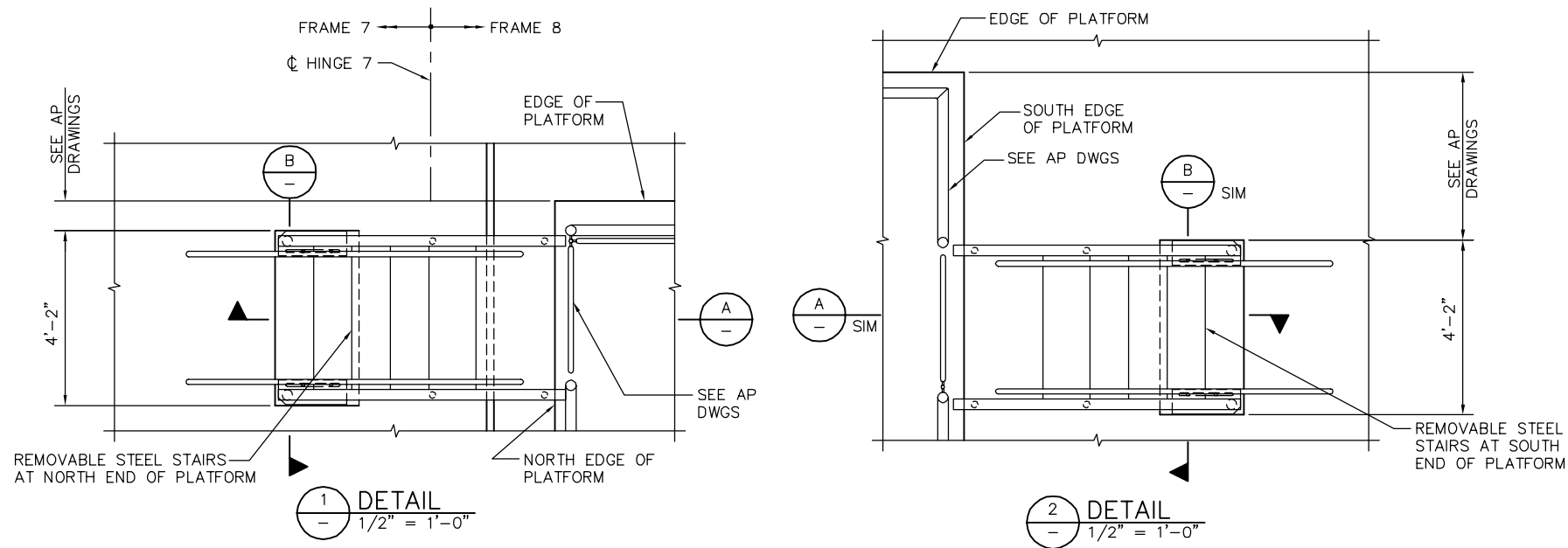
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

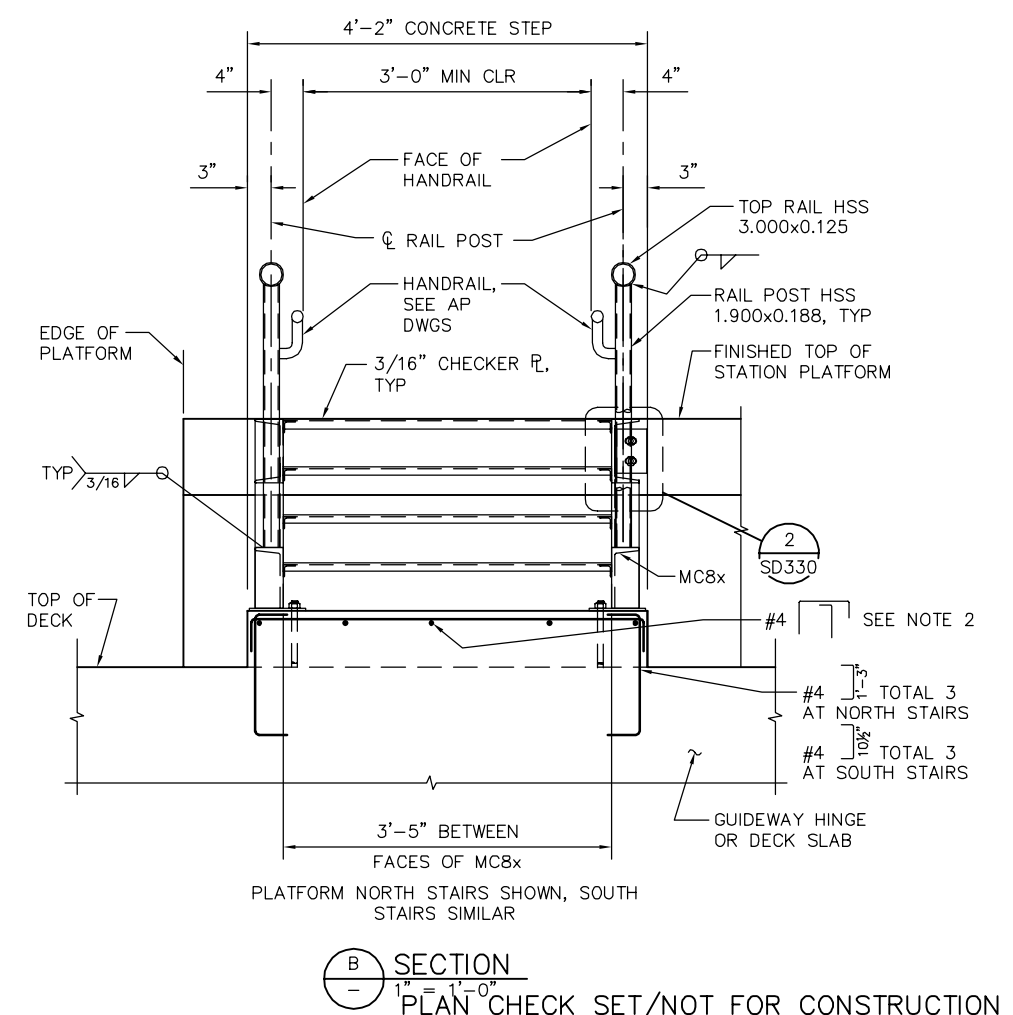
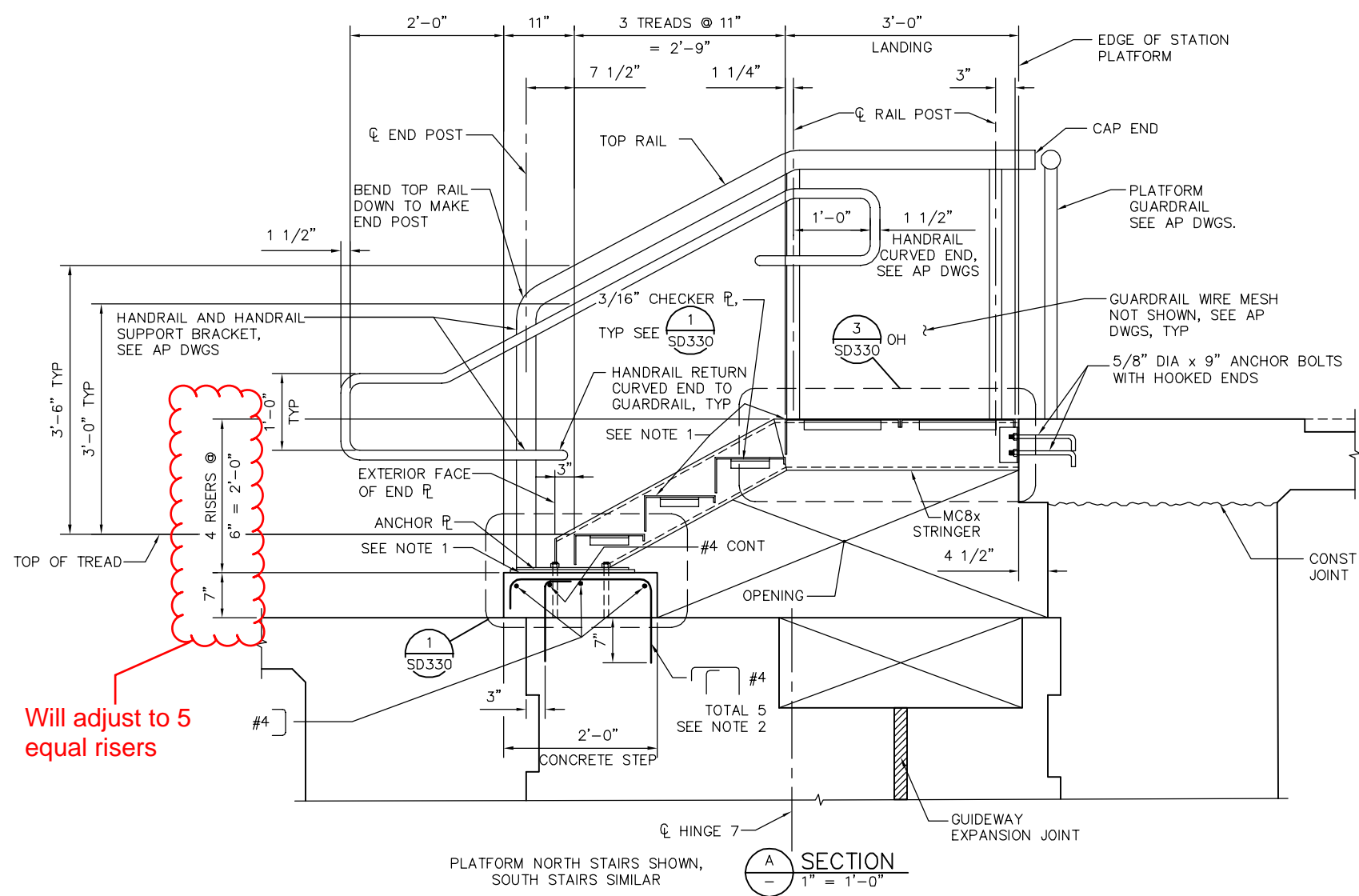
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
MISCELLANEOUS DETAILS No. 1

PCA NO. 000	CONTRACT NO. C801	FILE LOCATION: PROJECTWISE
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SHEET OF	DRAWING NO. SD328
REVISION	B

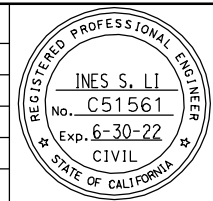


- NOTES:
1. PROVIDE 2" WIDE STRIPE PAINTED IN CONTRASTING COLOR AT THE NOSE OF EACH STEP. PAINTED STRIPE MUST EXTEND FULL WIDTH OF THE STEP. SEE AP DRAWINGS.
 2. SUBSTITUTE #4 [] TOTAL 5 WITH #4 [] TOTAL 5 AT SOUTH STAIRS.
 3. STAIR TOP RAILS, RAIL POSTS, STRINGERS, ANCHOR PLATES AND CHECKER [] SUPPORTS MUST BE GALVANIZED PAINTED.



SMH Jun 21, 2020 - 11:36am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD329.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SD329.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

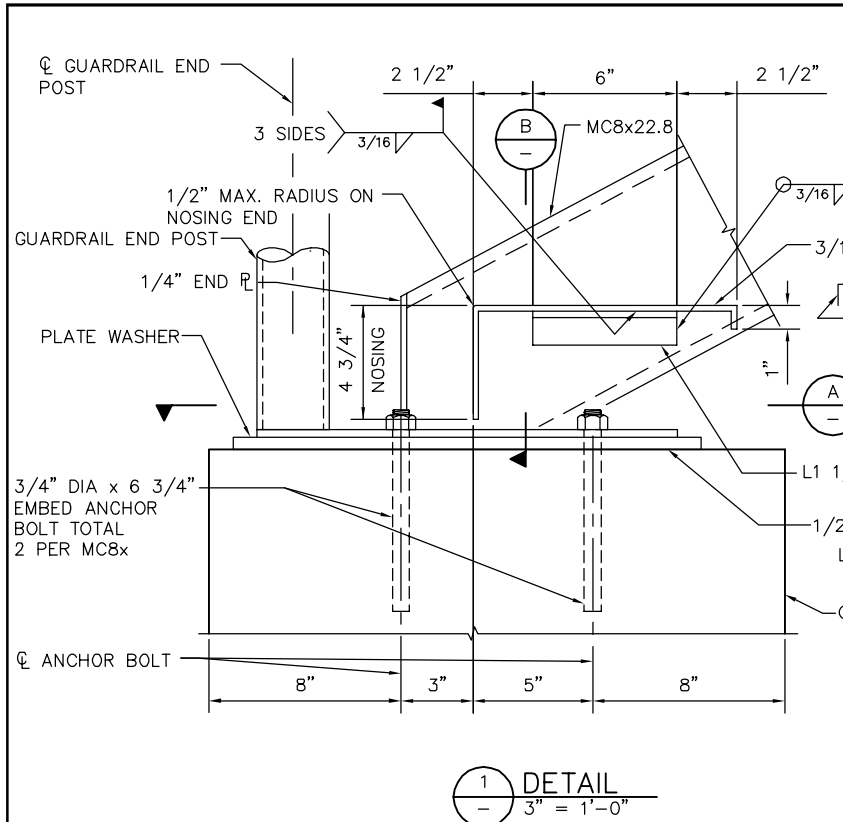
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

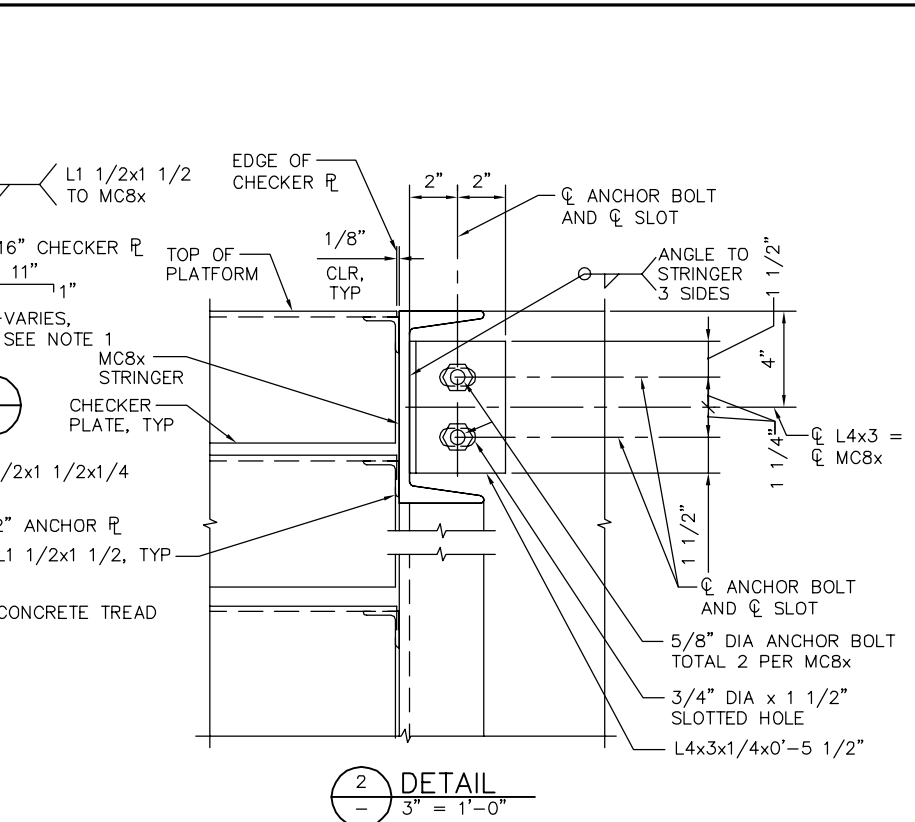
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
MISCELLANEOUS DETAILS No. 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

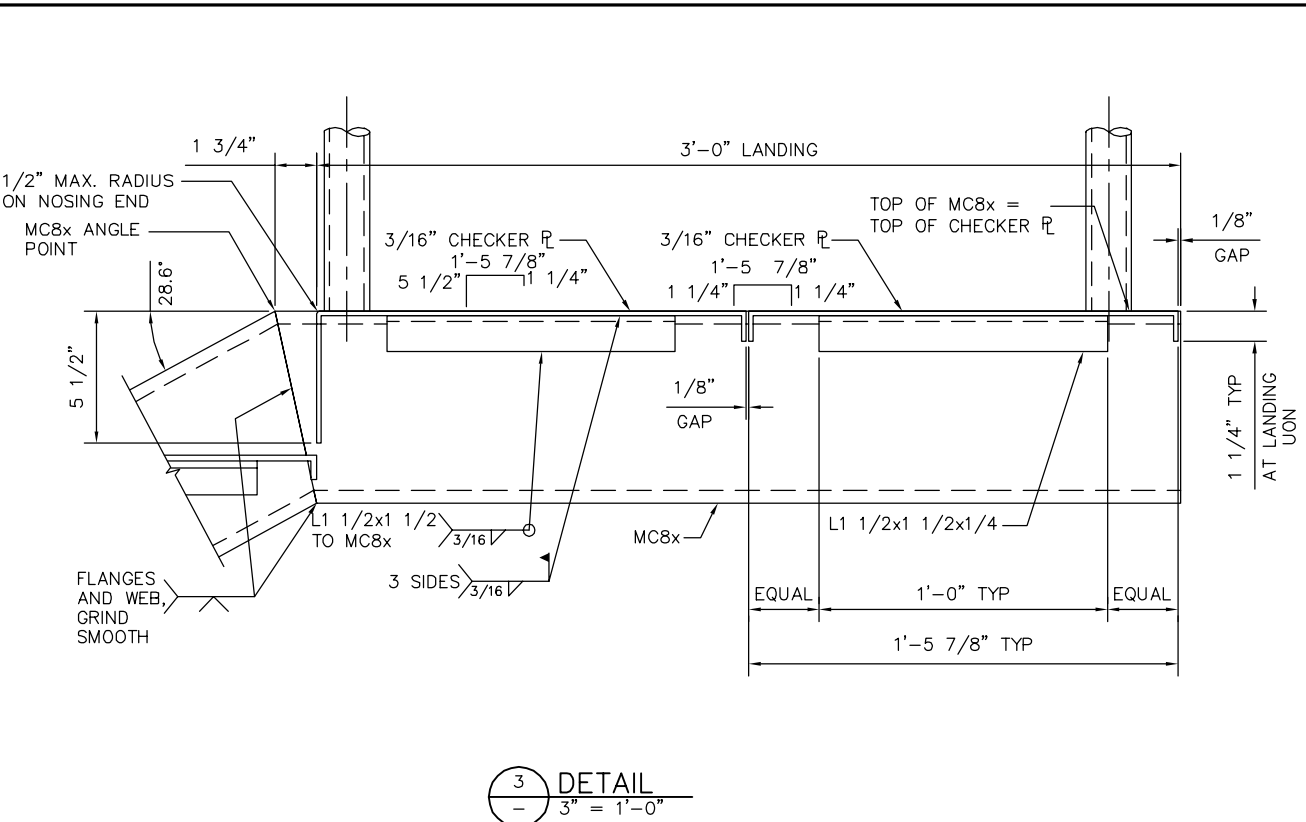
SHEET OF DRAWING NO. SD329 REVISION B



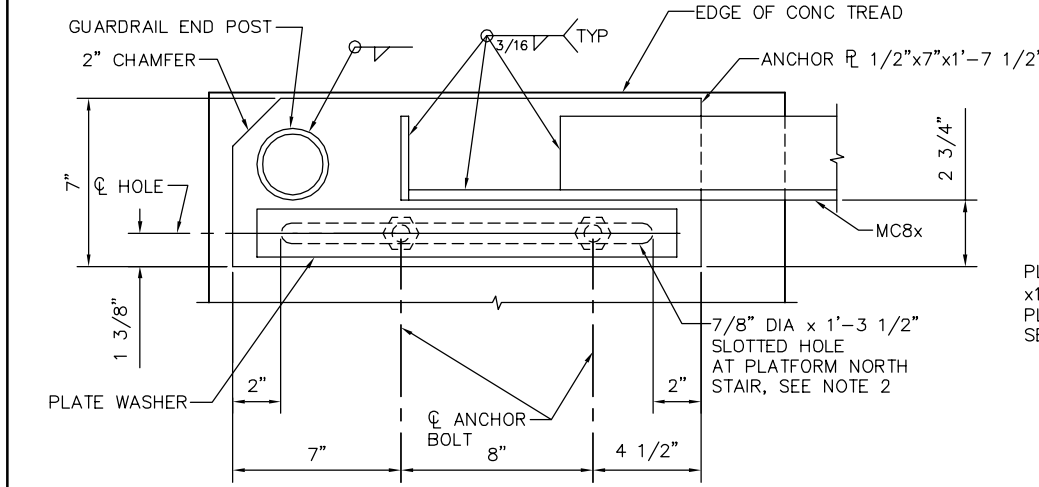
1 DETAIL
3" = 1'-0"



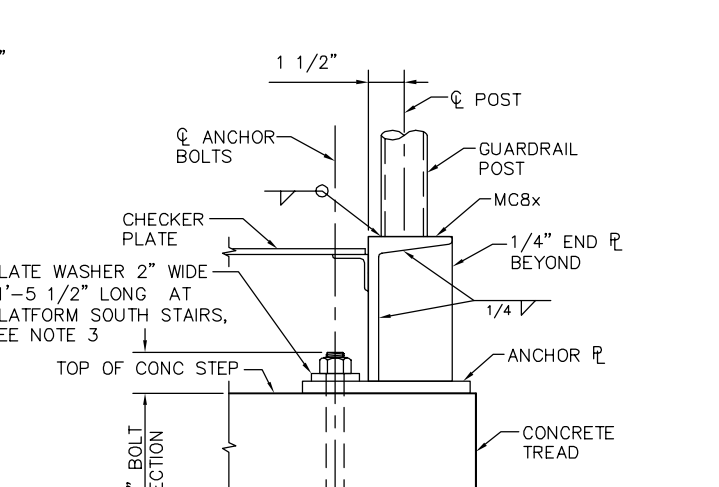
2 DETAIL
3" = 1'-0"



3 DETAIL
3" = 1'-0"



A SECTION
3" = 1'-0"

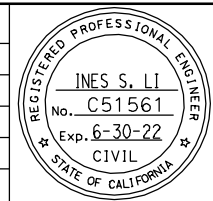


B SECTION
3" = 1'-0"

- NOTES:
1. PROVIDE $4 \frac{3}{4} \times 11$ CHECKER PLATE AT BOTTOM TREAD, $6 \frac{1}{2} \times 11$ CHECKER PLATE AT UPPER TWO TREADS.
 2. SUBSTITUTE SLOTTED HOLE WITH 2-7/8" DIA HOLES CENTER AT ϕ BOLT AT PLATFORM SOUTH STAIRS.
 3. SUBSTITUTE 2" WIDE PLATE WASHER WITH 1 3/4" DIA ROUND WASHERS AT EACH BOLT AT PLATFORM SOUTH STAIRS.

SMH Jun 21, 2020 - 11:56am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD330.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SD329.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

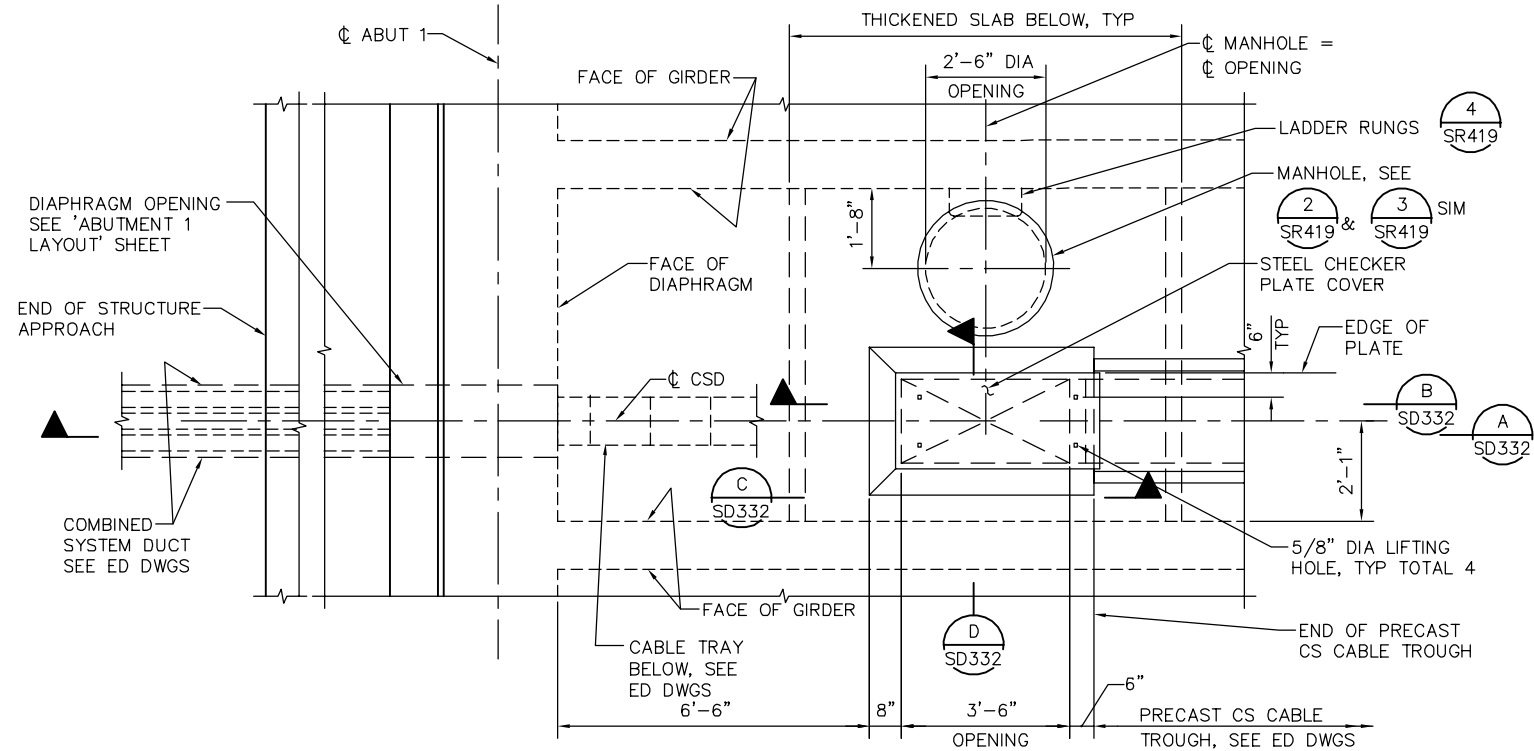
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SUBMITTAL DATE: 06/29/20
SCALE: AS SHOWN
BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
MISCELLANEOUS DETAILS No. 3

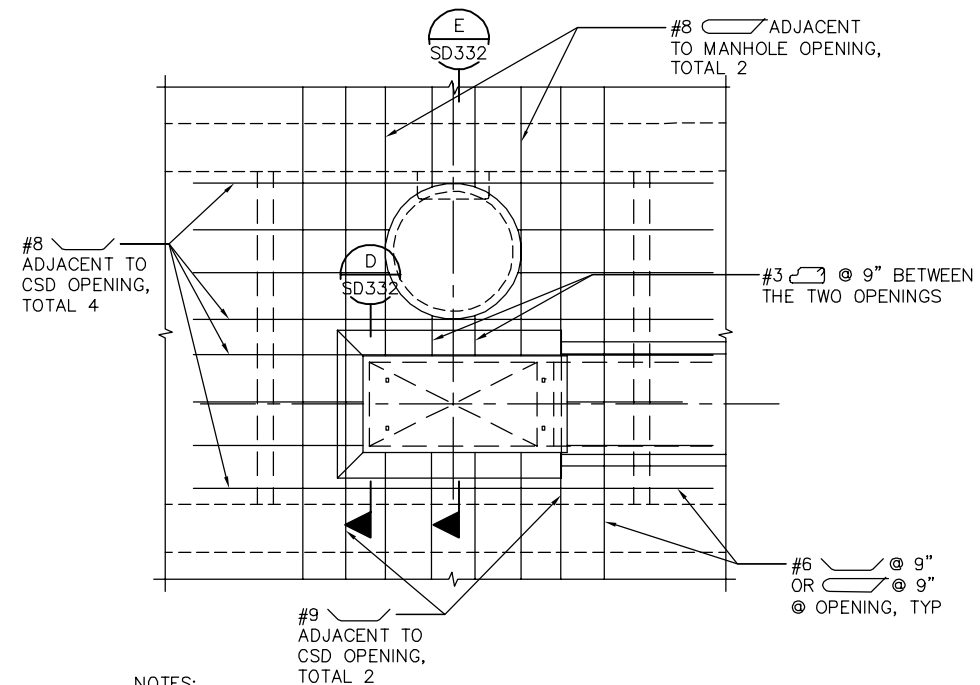
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF DRAWING NO. SD330 REVISION B



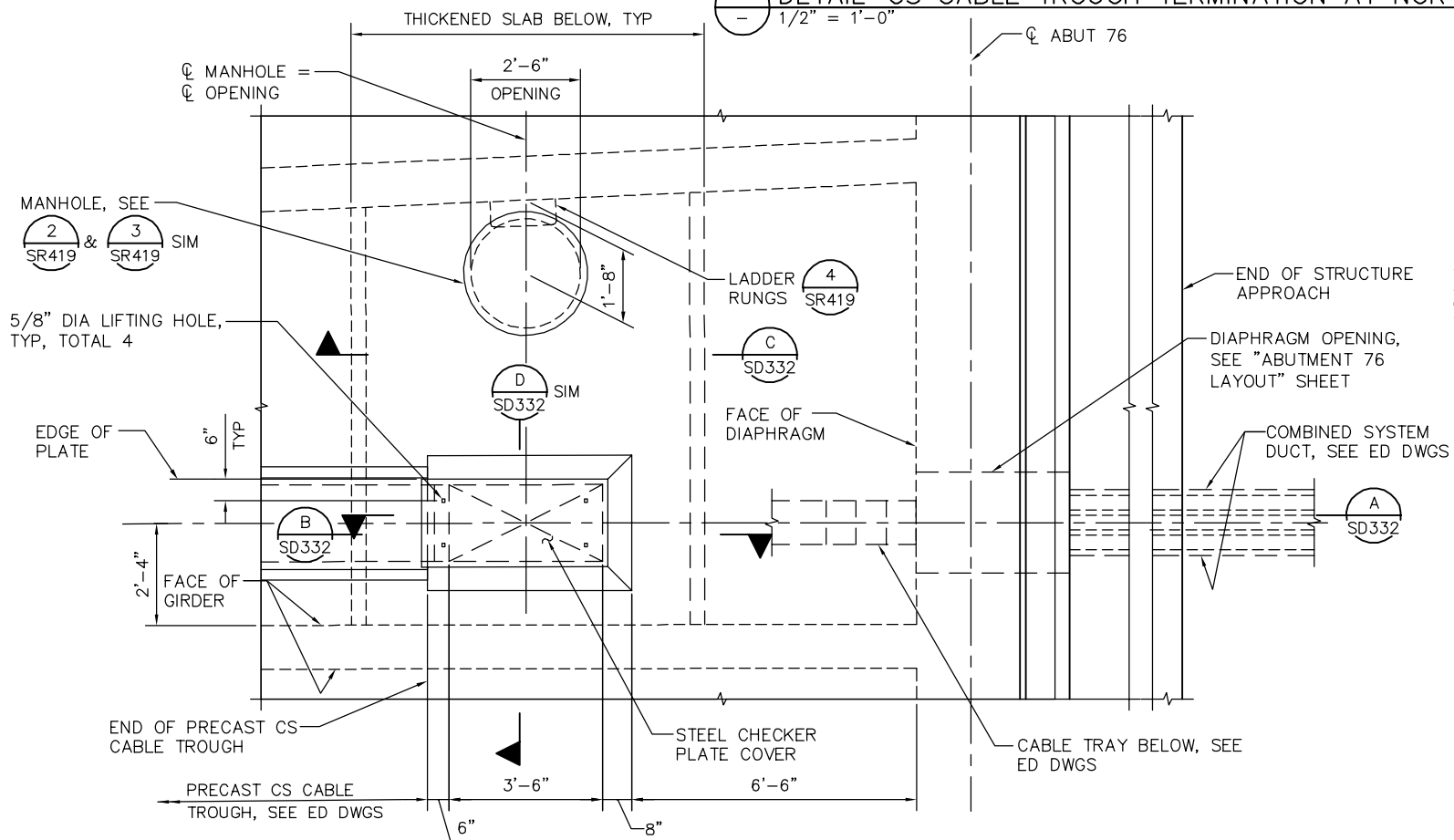
1
-
1/2" = 1'-0"

DETAIL-1 CS CABLE TROUGH TERMINATION AT NORTH END



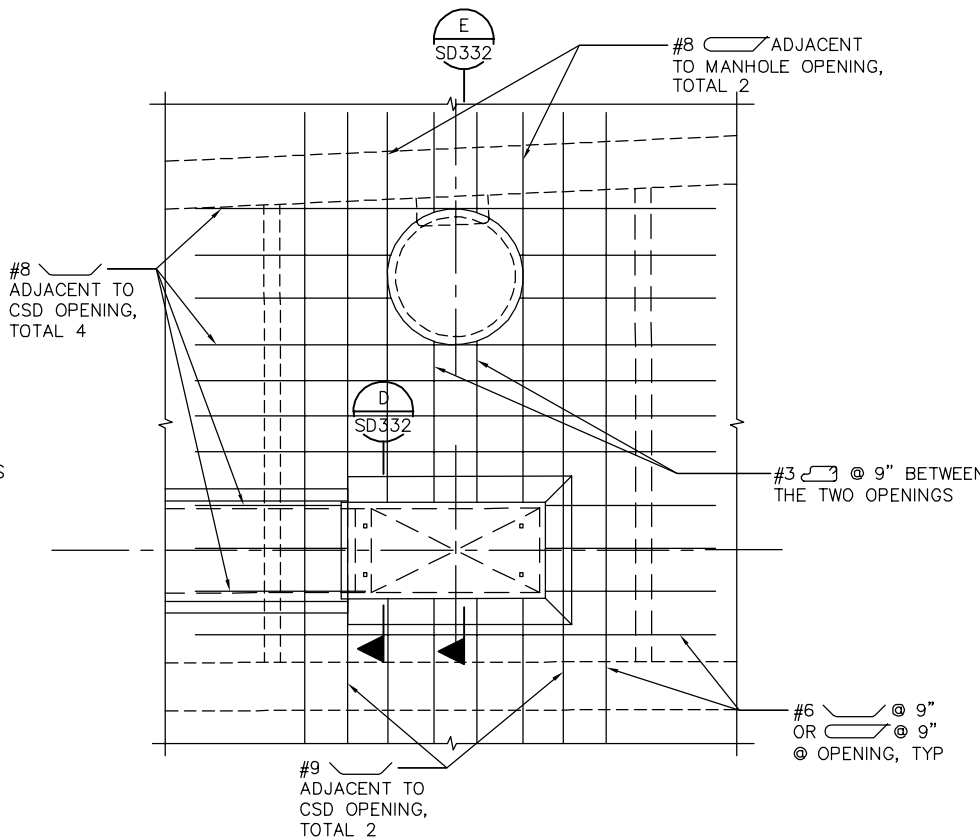
NOTES:

- ADDITIONAL DECK REINFORCEMENT PER "ADDITIONAL DECK REINFORCEMENT" SHEETS SHALL CLEAR OPENINGS.
- CONT * REINFORCEMENT PER "TYPICAL SECTION" SHEETS SHALL CLEAR OPENINGS.
- FOR ANY DECK REINFORCEMENT DISCONTINUED AT OPENING, PLACE 1/2" OF DISCONTINUED BARS ON EACH SIDE OF OPENING AND EXTEND 4'-0" BEYOND OPENING.



2
-
1/2" = 1'-0"

DETAIL-2 CS CABLE TROUGH TERMINATION AT SOUTH END



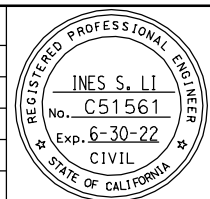
NOTES:

- ADDITIONAL DECK REINFORCEMENT PER "ADDITIONAL DECK REINFORCEMENT" SHEETS SHALL CLEAR OPENINGS.
- CONT * REINFORCEMENT PER "TYPICAL SECTION" SHEETS SHALL CLEAR OPENINGS.
- FOR ANY DECK REINFORCEMENT DISCONTINUED AT OPENING, PLACE 1/2" OF DISCONTINUED BARS ON EACH SIDE OF OPENING AND EXTEND 4'-0" BEYOND OPENING.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:36am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD331.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED BY
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED BY
D. CHAN

CHECKED BY
D. DEVLIN

DRAWN BY
S. HICKEY

CADD FILENAME
801SD331.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE
05/18/20

SCALE
1/2" = 1'-0"

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
MISCELLANEOUS DETAILS No. 4

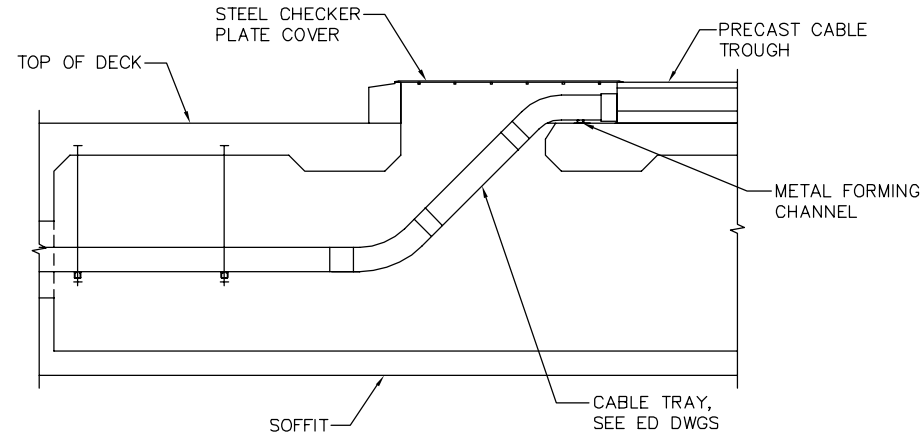
PCA NO.
000

CONTRACT NO.
C801

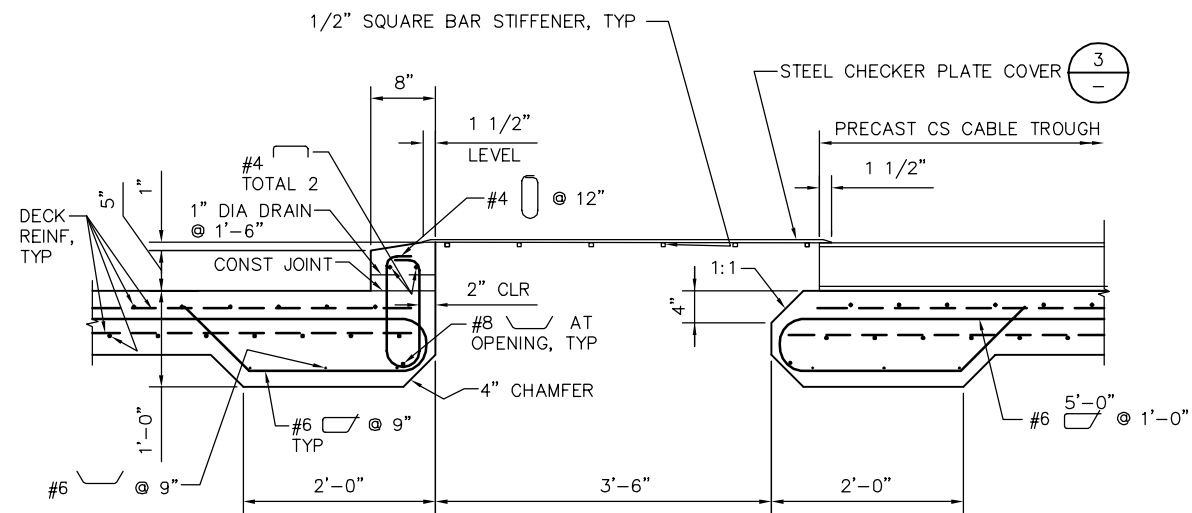
FILE LOCATION
PROJECTWISE

SHEET
OF
DRAWING NO.
SD331
REVISION
B

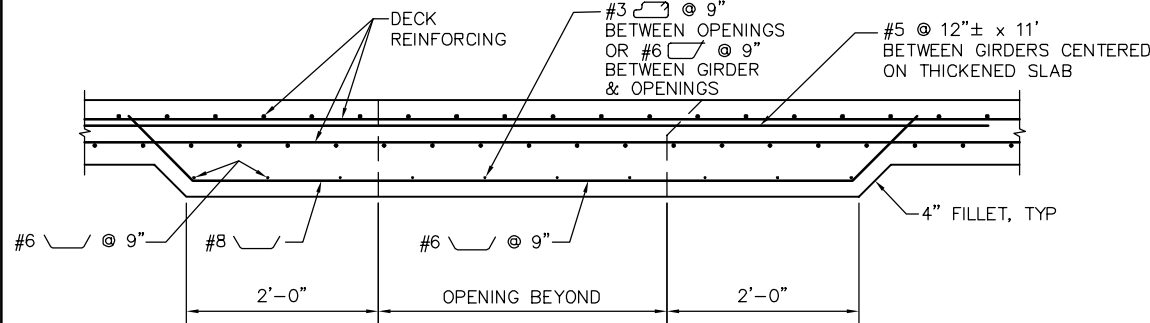
- NOTES:
1. ADDITIONAL DECK REINFORCEMENT PER "ADDITIONAL DECK REINFORCEMENT" SHEETS SHALL CLEAR OPENINGS.
 2. CONT * REINFORCEMENT PER "TYPICAL SECTION" SHEETS SHALL CLEAR OPENINGS.
 3. FOR ANY DECK REINFORCEMENT DISCONTINUED AT OPENING, PLACE 1/2" OF DISCONTINUED BARS ON EACH SIDE OF OPENING AND EXTEND 4'-0" BEYOND OPENING.



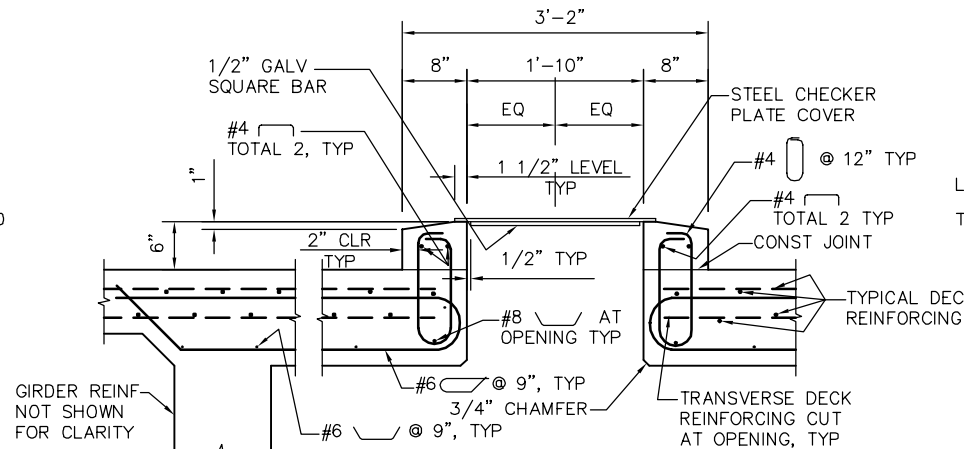
A SECTION
NO SCALE



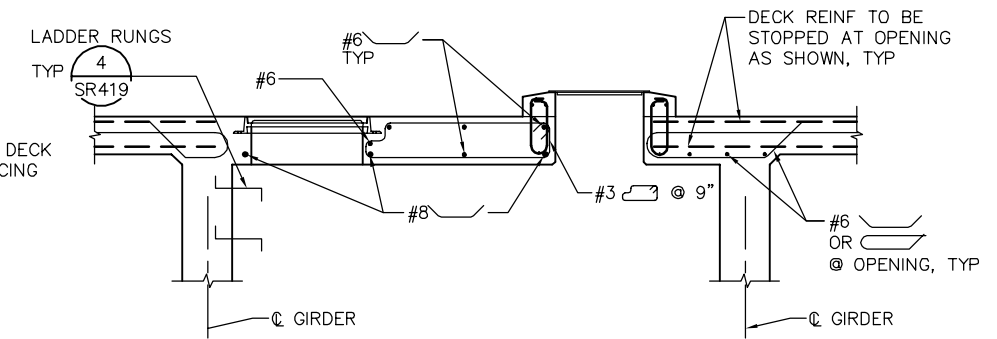
B SECTION
1" = 1'-0"



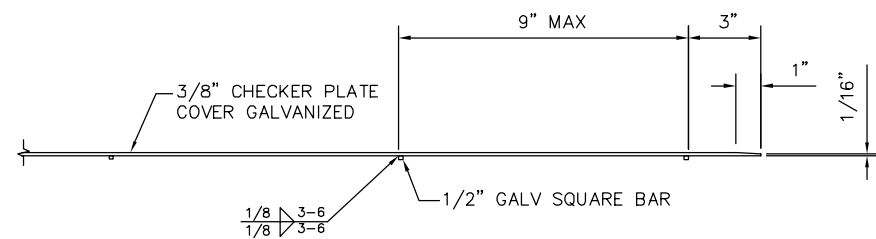
C SECTION
1" = 1'-0"



D SECTION
1" = 1'-0"



E SECTION
NTS

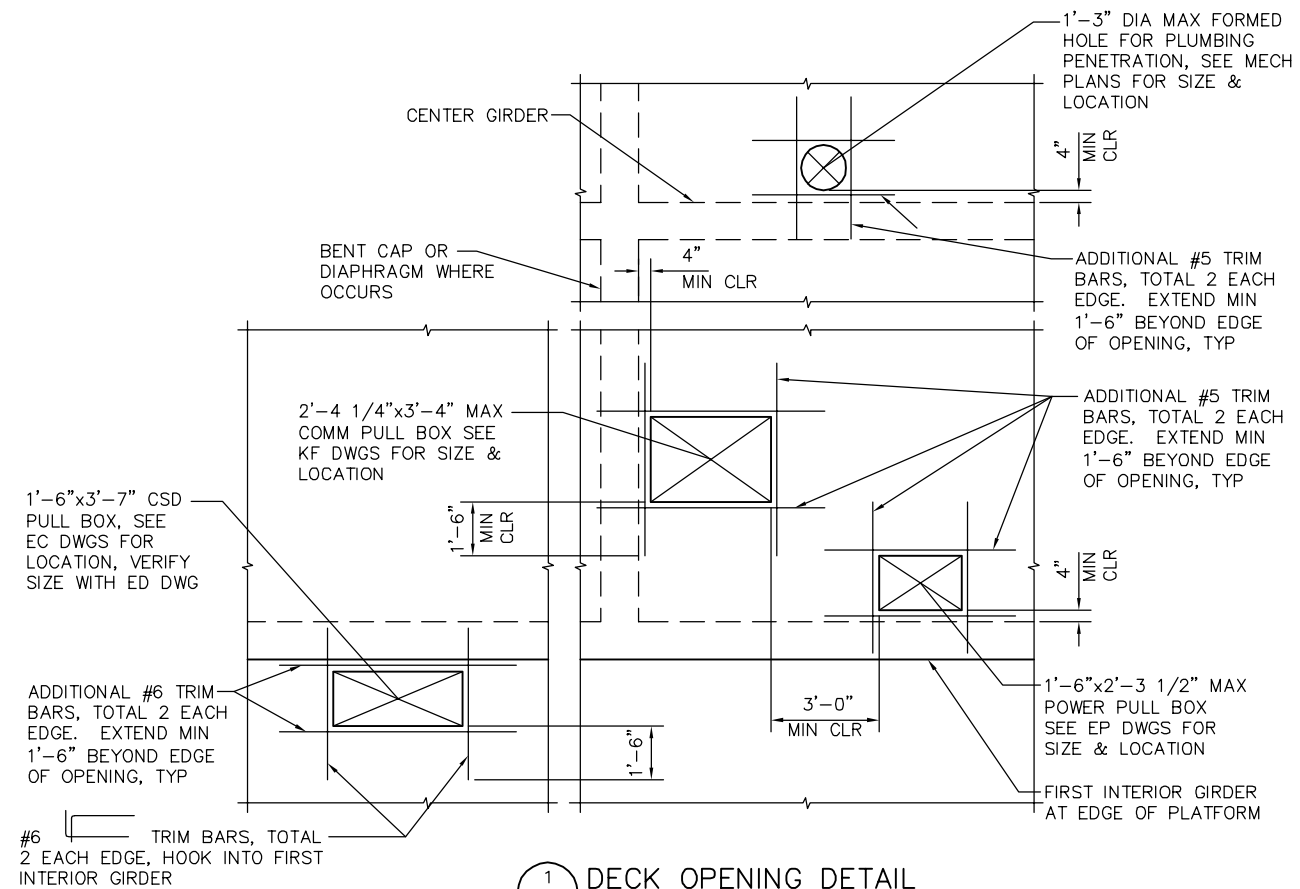


1 DETAIL
NO SCALE

PLAN CHECK SET/NOT FOR CONSTRUCTION

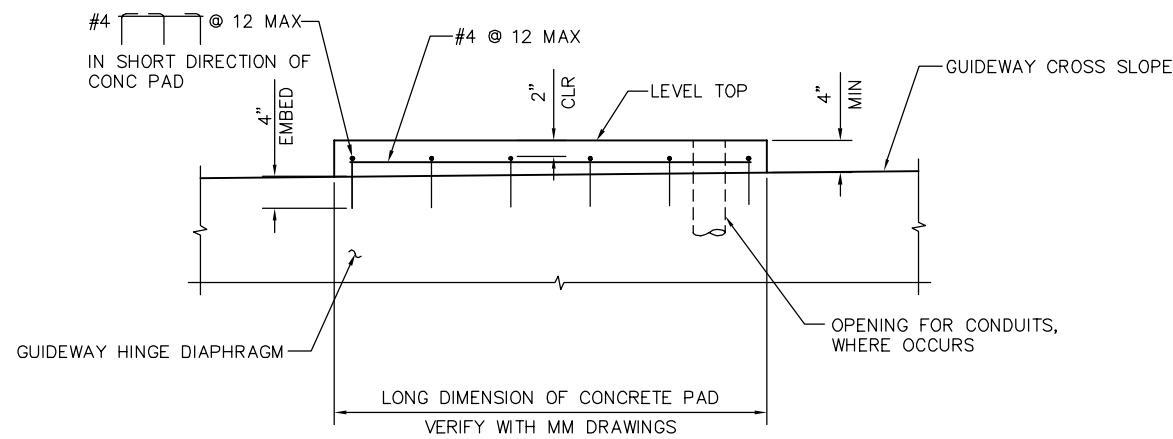
SMH Jun 21, 2020 - 11:37am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD332.dwg

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B	06/20	95% SUBMITTAL SET														
A	03/19	65% SUBMITTAL SET														
NO. DATE REVISIONS		DESIGNED D. CHAN		CHECKED D. DEVLIN		CADD FILE DATE 05/18/20		SCALE AS SHOWN								
			DRAWN S. HICKEY		CADD FILENAME 801SD332.dwg		SUBMITTAL DATE 06/29/20		BOARD APPROVAL DATE							
							CONTRACT NO. C801		FILE LOCATION PROJECTWISE							
							PCA NO. 000		DRAWING NO. SD332							
									REVISION B							



1 DECK OPENING DETAIL
NTS

- NOTES:
- ADDITIONAL DECK REINFORCEMENT PER "ADDITIONAL DECK REINFORCEMENT" SHEETS SHALL CLEAR OPENINGS.
 - CONT * REINFORCEMENT PER "TYPICAL SECTION" SHEETS SHALL CLEAR OPENINGS.
 - FOR ANY DECK REINFORCEMENT DISCONTINUED AT OPENING, PLACE 1/2" OF DISCONTINUED BARS ON EACH SIDE OF OPENING AND EXTEND 4'-0" BEYOND OPENING.
 - WHEN THERE IS INSUFFICIENT SPACE TO PLACE REINFORCEMENT AS SHOWN, HOOK REINFORCEMENT MAY BE USED.

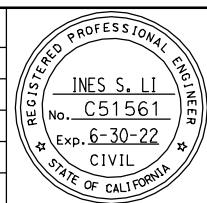


2 CONCRETE PAD DETAIL
1" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:37am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD333.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD333.dwg



APPROVED

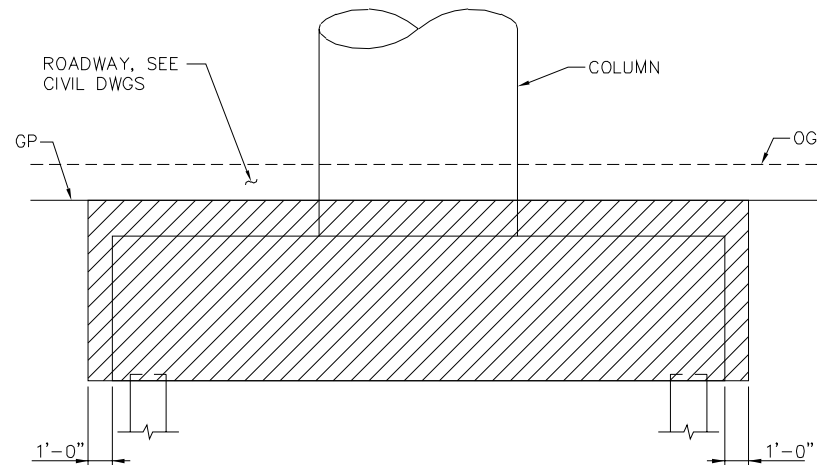
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SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

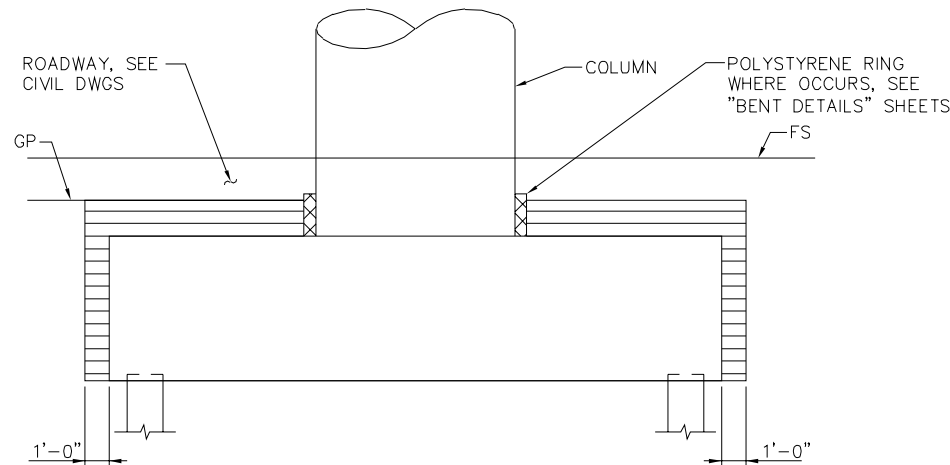
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
MISCELLANEOUS DETAILS No. 6

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE



SHEET OF	DRAWING NO. SD333
REVISION	A



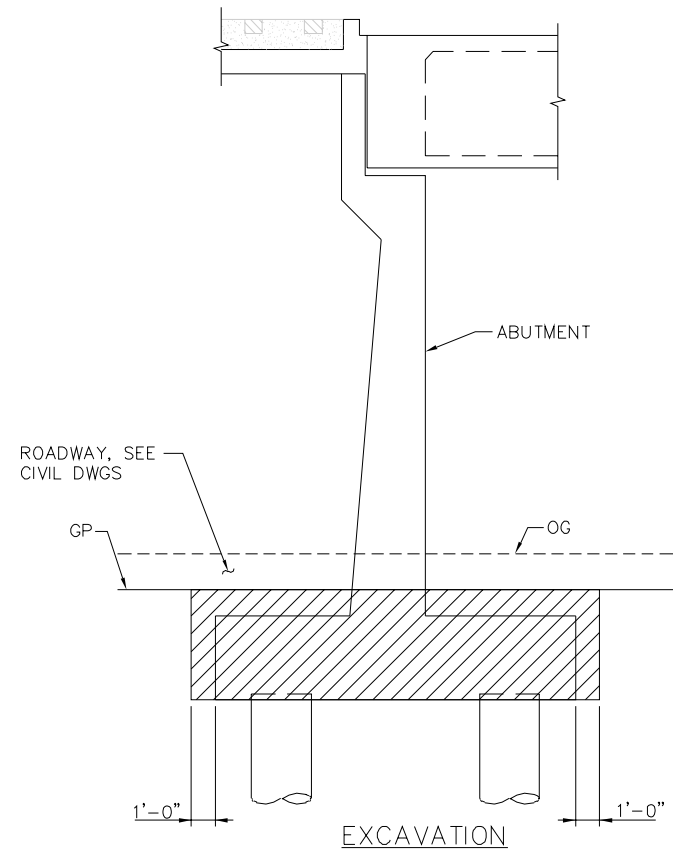
EXCAVATION



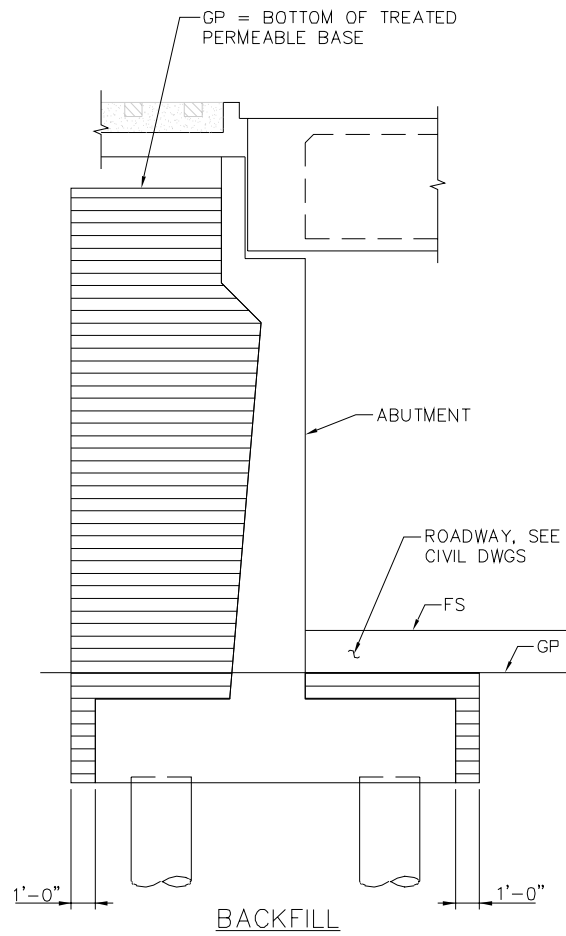
BACKFILL

LEGEND
 STRUCTURE EXCAVATION (TYPE D)
 STRUCTURE BACKFILL (BRIDGE)

AT BENT



EXCAVATION



BACKFILL

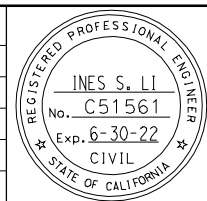
ABUTMENT 1 SHOWN, ABUTMENT 76 SIM.
 AT ABUTMENT

LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL
 NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

JCL Jun 22, 2020 - 3:58pm H:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD334.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS

865 The Alameda
 San Jose, California 95126
 408-296-5515

BCA

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
 CADD FILENAME: 801SD334.dwg

Santa Clara Valley Transportation Authority

BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

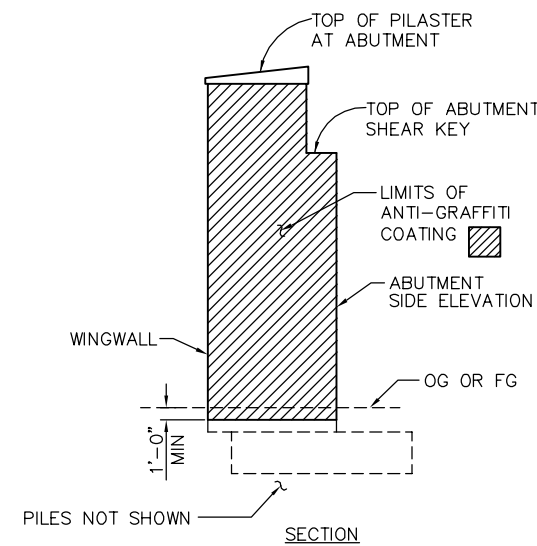
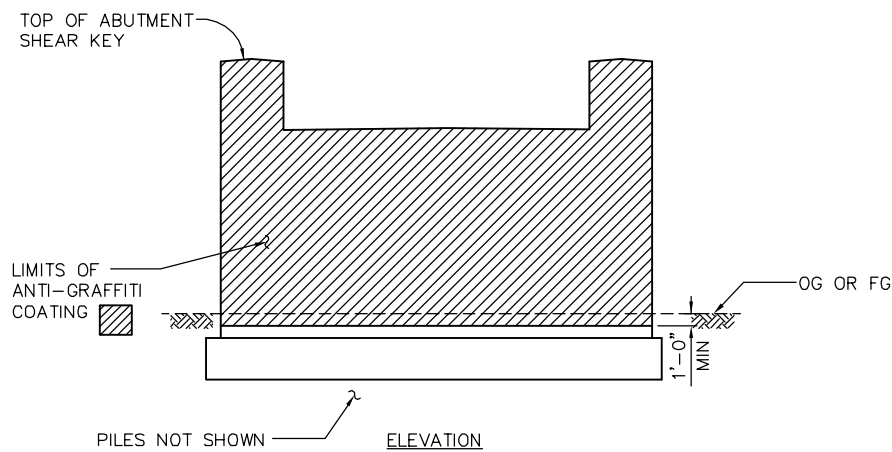
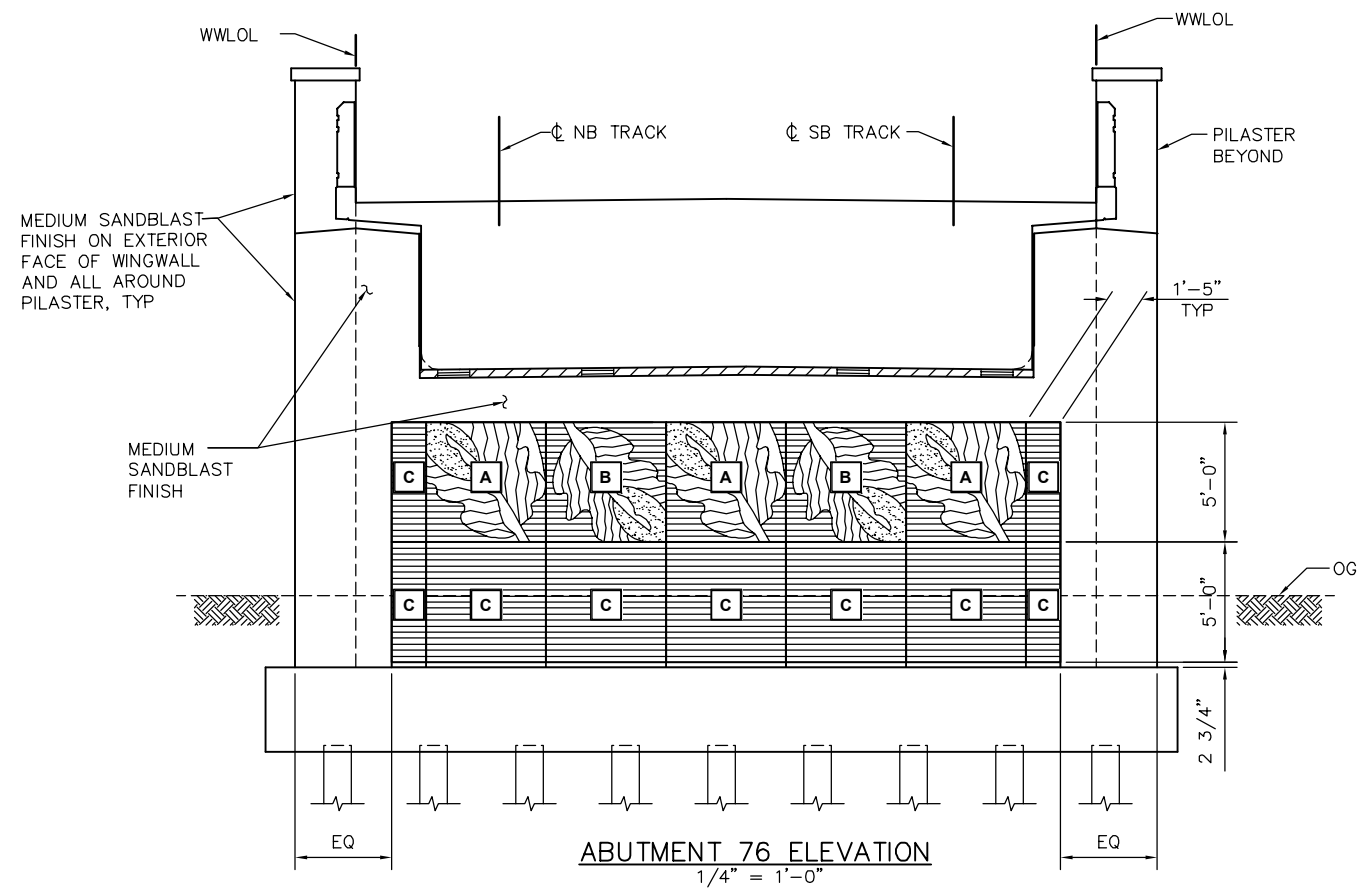
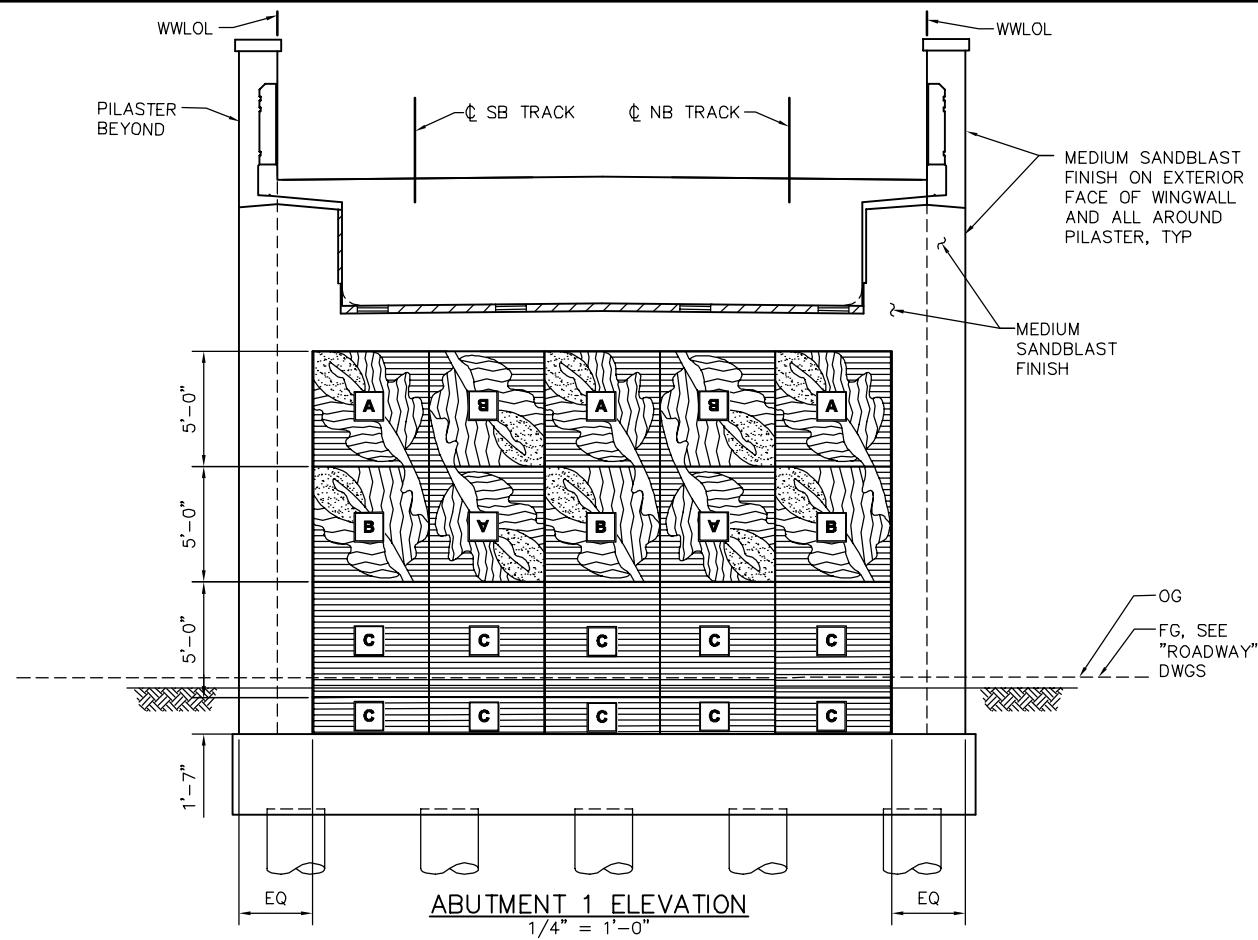
APPROVED

CADD FILE DATE: 06/20/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 MISCELLANEOUS DETAILS No. 7

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SD334
REVISION	B



LEGEND:

A INDICATES FORMLINER UNIT DESIGNATION. FOR DETAILS OF FORMLINER PATTERN AND AESTHETIC APPEARANCE, SEE "AESTHETIC DETAILS NO. 6 SHEET."

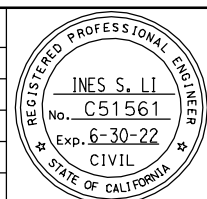
ANTI GRAFFITI COATING

1/8" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:38am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD335.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

1871 The Alameda, Suite 200
San Jose, California 95126
408-295-5515

DESIGNED: D. CHAN

CHECKED: D. DEVLIN

DRAWN: S. HICKEY

CADD FILENAME: 801SC335.dwg



APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20

SCALE: AS SHOWN

SUBMITTAL DATE: 06/29/20

BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
AESTHETIC DETAILS No. 1

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SD335	REVISION B

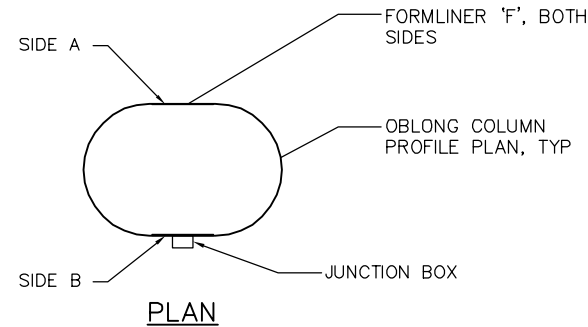
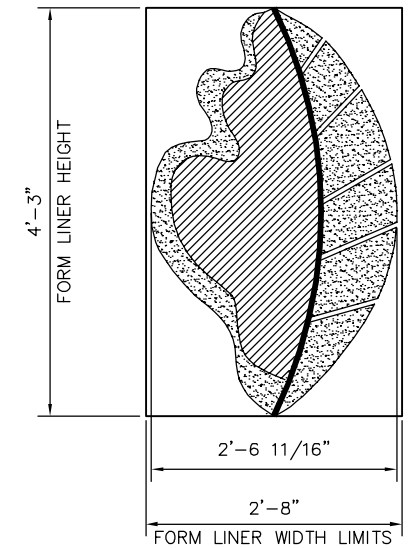


TABLE - MAXIMUM NUMBER OF FORMLINER © BENTS ('N')

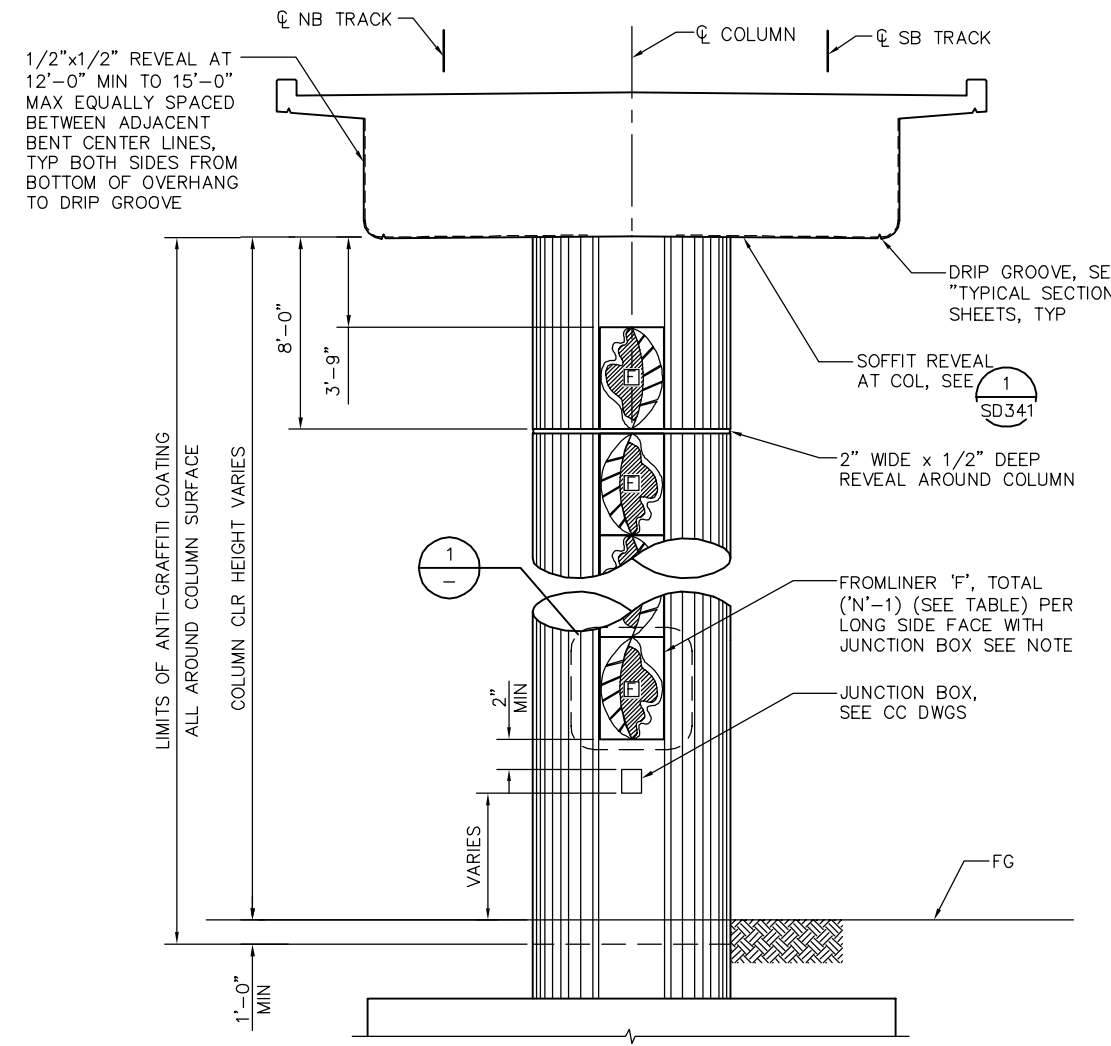
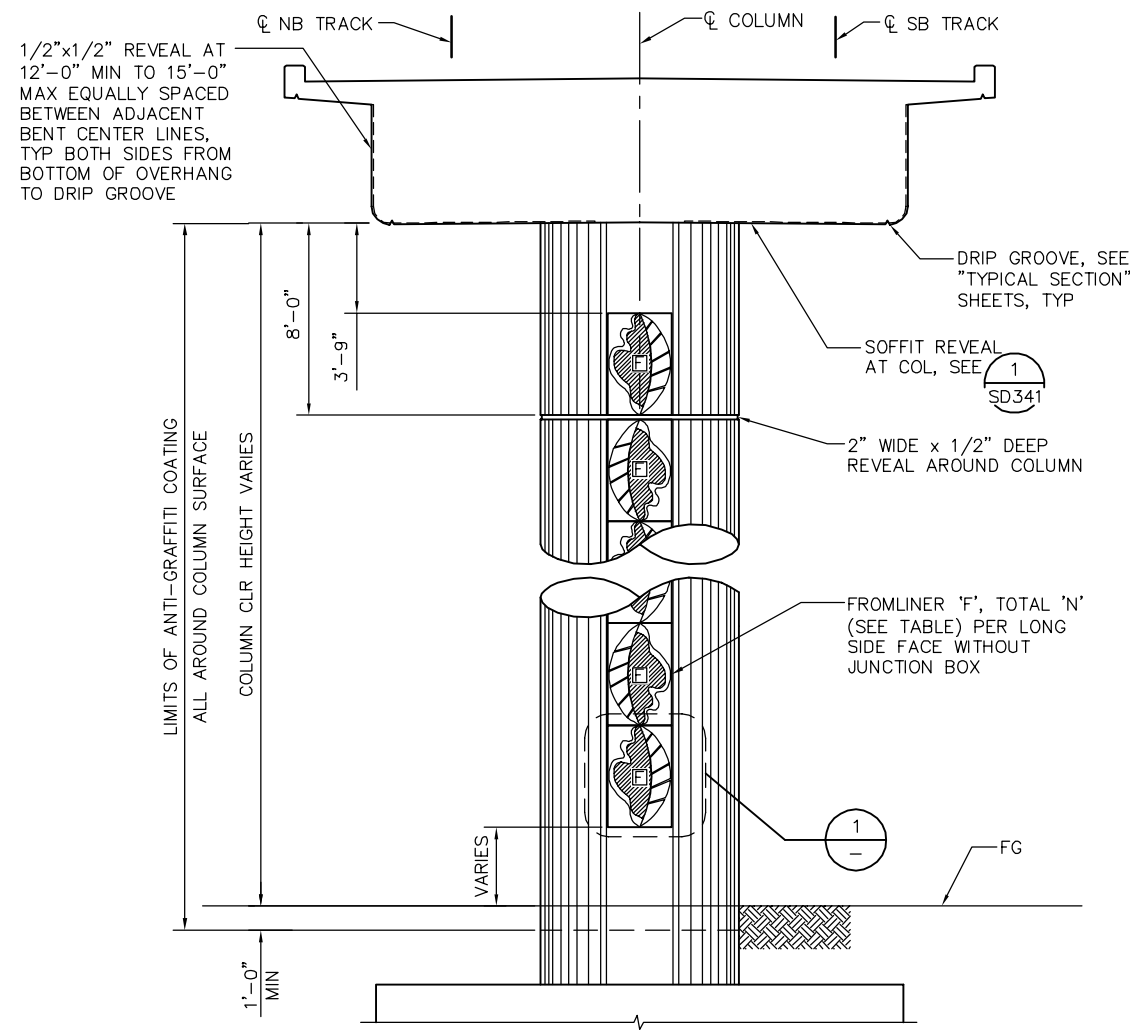
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BENT 2	3	BENT 12	4	BENT 23	5	BENT 33	4	BENT 43	4	BENT 55	3	BENT 65	3
BENT 3	4	BENT 13	4	BENT 24	5	BENT 34	4	BENT 44	4	BENT 56	3	BENT 66	3
BENT 4	4	BENT 14	5	BENT 25	5	BENT 35	4	BENT 45	4	BENT 57	3	BENT 67	4
BENT 5	4	BENT 15	5	BENT 26	5	BENT 36	4	BENT 46	3	BENT 58	3	BENT 70	4
BENT 7	4	BENT 16	5	BENT 27	5	BENT 37	4	BENT 47	3	BENT 59	3	BENT 71	4
BENT 8	4	BENT 17	5	BENT 28	4	BENT 38	4	BENT 48	4	BENT 60	3	BENT 72	4
BENT 9	4	BENT 18	5	BENT 29	4	BENT 39	4	BENT 49	3	BENT 61	3	BENT 73	3
BENT 10	4	BENT 19	5	BENT 30	4	BENT 40	4	BENT 50	3	BENT 62	3	BENT 74	3
BENT 11	4	BENT 20	5	BENT 31	4	BENT 41	4	BENT 51	3	BENT 63	3	BENT 75	3
		BENT 21	5	BENT 32	4	BENT 42	4	BENT 52	3	BENT 64	3		
		BENT 22	5					BENT 53	3				
								BENT 54	3				



LEGEND:
 TEXTURE BY SCOTT SYSTEMS, OR
 VTA APPROVED EQUAL.
 SEE "AESTHETIC DETAILS NO. 6"
 SHEET.

- PATTERN:**
- SCOTT SYSTEM #162B
 - SCOTT SYSTEM #149
 - SCOTT SYSTEM #119

1 - FORM LINER UNIT 'F'
 1" = 1'-0"



NOTE: COLUMN 5'-6"x8'-3" SHOWN 5'-6"x9'-0" & 5'-6"x11'-0" COLUMNS SIMILAR
SIDE A: OBLONG COLUMN PATTERN LAYOUT - WITHOUT JUNCTION BOX
 1/4" = 1'-0"

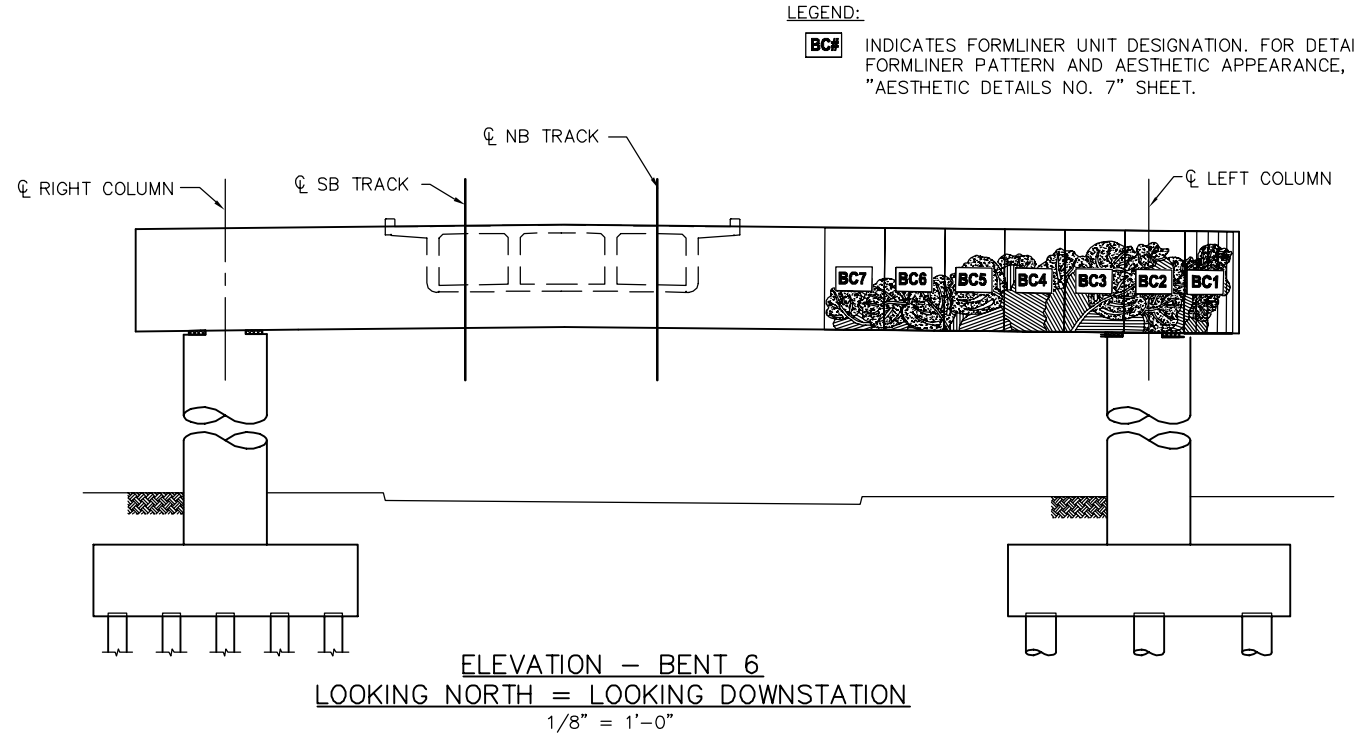
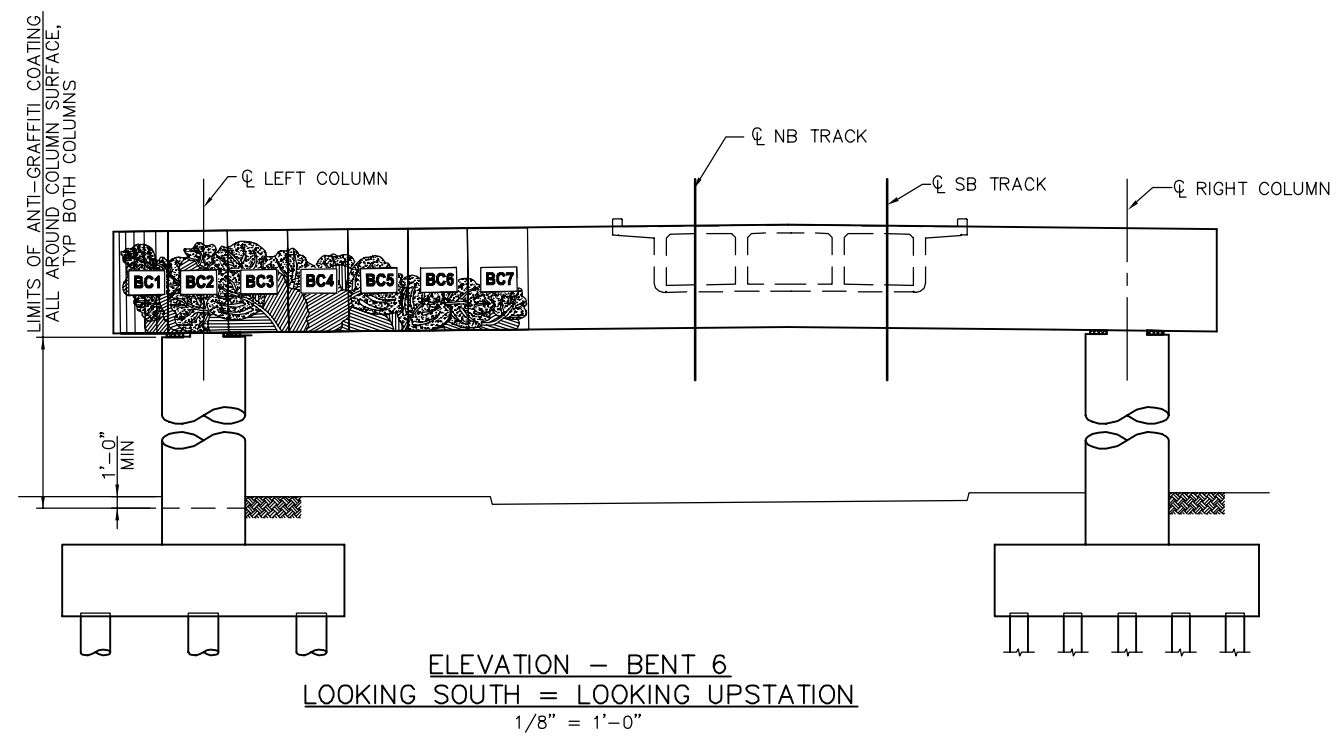
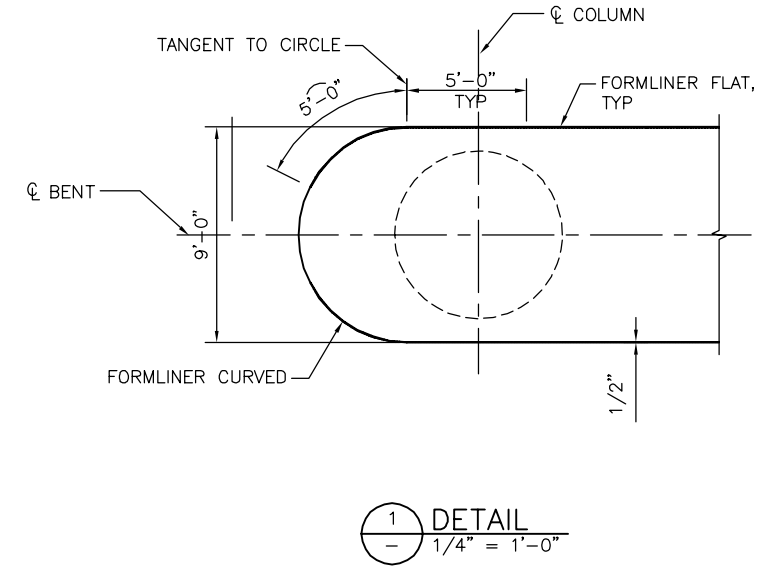
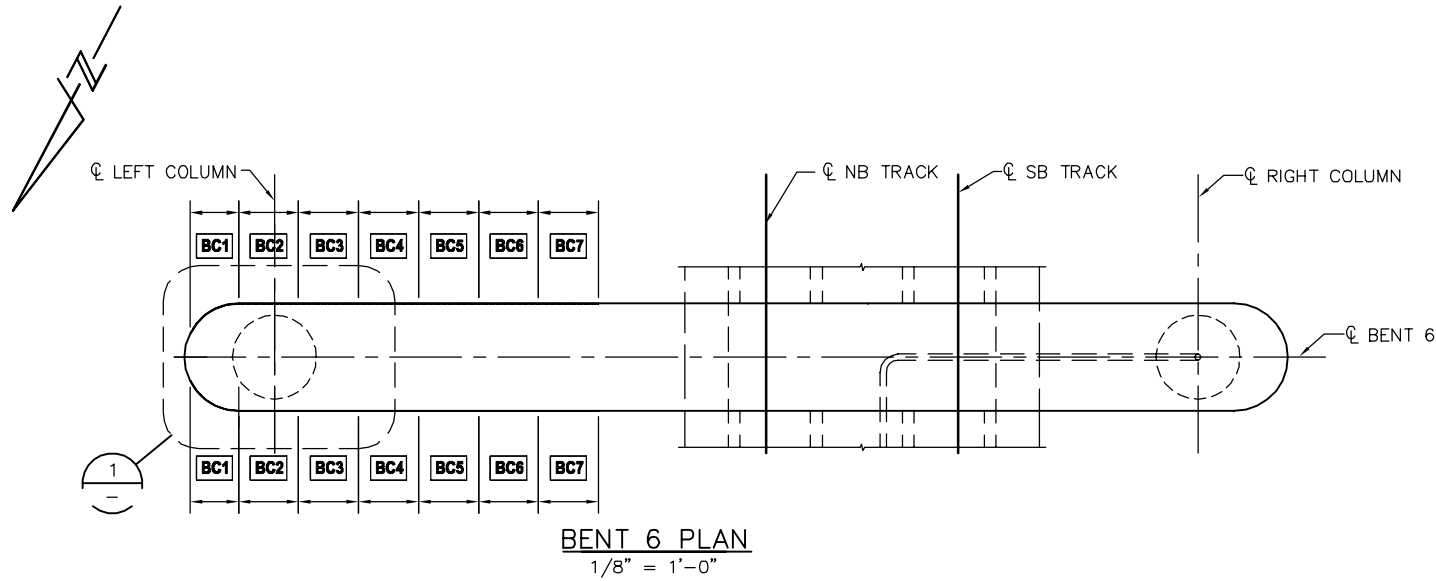
NOTE: COLUMN 5'-6"x8'-3" SHOWN 5'-6"x9'-0" & 5'-6"x11'-0" COLUMNS SIMILAR
SIDE B: OBLONG COLUMN PATTERN LAYOUT - WITH JUNCTION BOX
 1/4" = 1'-0"

NOTE:
 REMOVE BOTTOM FORMLINER ON
 THE SIDE OF THE COLUMN WHERE
 JUNCTION BOX OVERLAPS BOTTOM
 FORMLINER.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:38am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD336.dwg

B 06/20 95% SUBMITTAL SET A 03/19 65% SUBMITTAL SET		SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315		APPROVED 	EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AERIAL GUIDEWAY AESTHETIC DETAILS NO. 2	SHEET OF DRAWING NO. SD336 REVISION B						
		DESIGNED D. CHAN					CHECKED D. DEVLIN	CADD FILE DATE 05/18/20	SCALE AS SHOWN	PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
		DRAWN A. ROSALES					CADD FILENAME 801SD336.dwg	SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE			

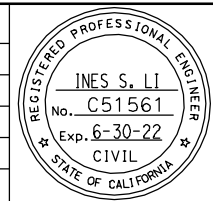


LEGEND:
BC# INDICATES FORMLINER UNIT DESIGNATION. FOR DETAILS OF FORMLINER PATTERN AND AESTHETIC APPEARANCE, SEE "AESTHETIC DETAILS NO. 7" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:39am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD337.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: **D. CHAN**
 CHECKED: **D. DEVLIN**
 DRAWN: **A. ROSALES**
 CADD FILENAME: **801SD337.dwg**



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

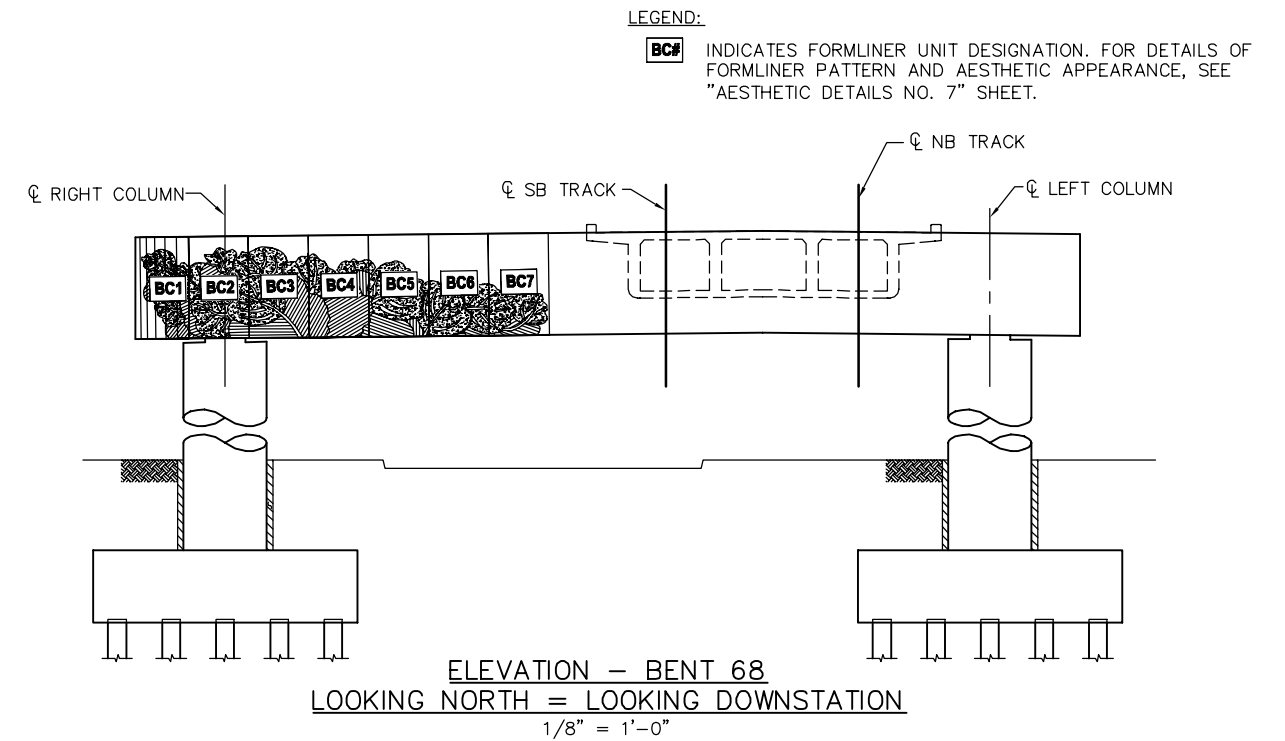
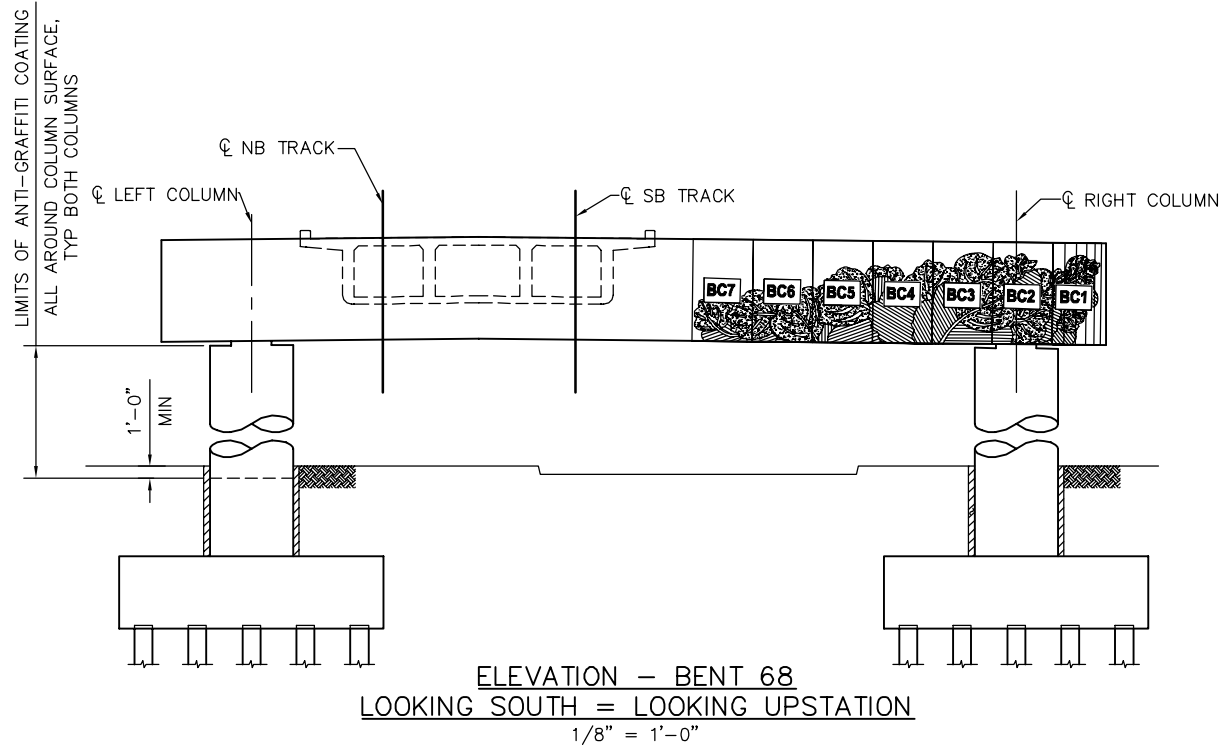
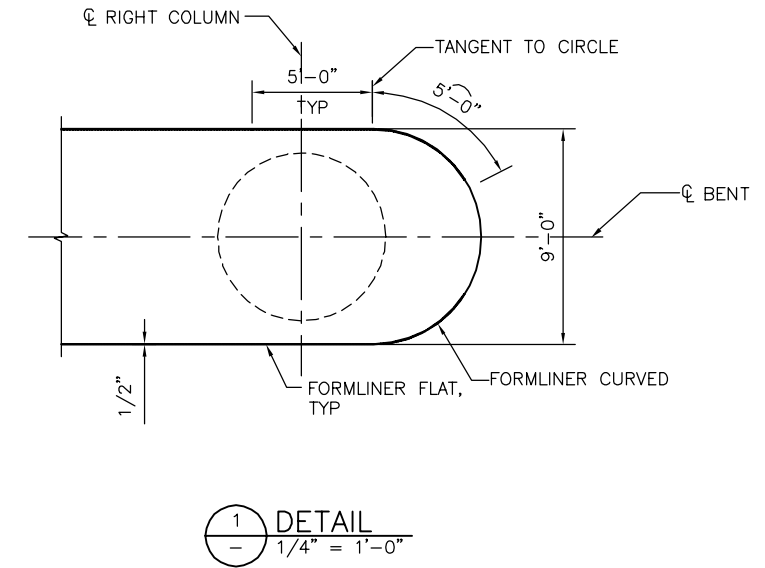
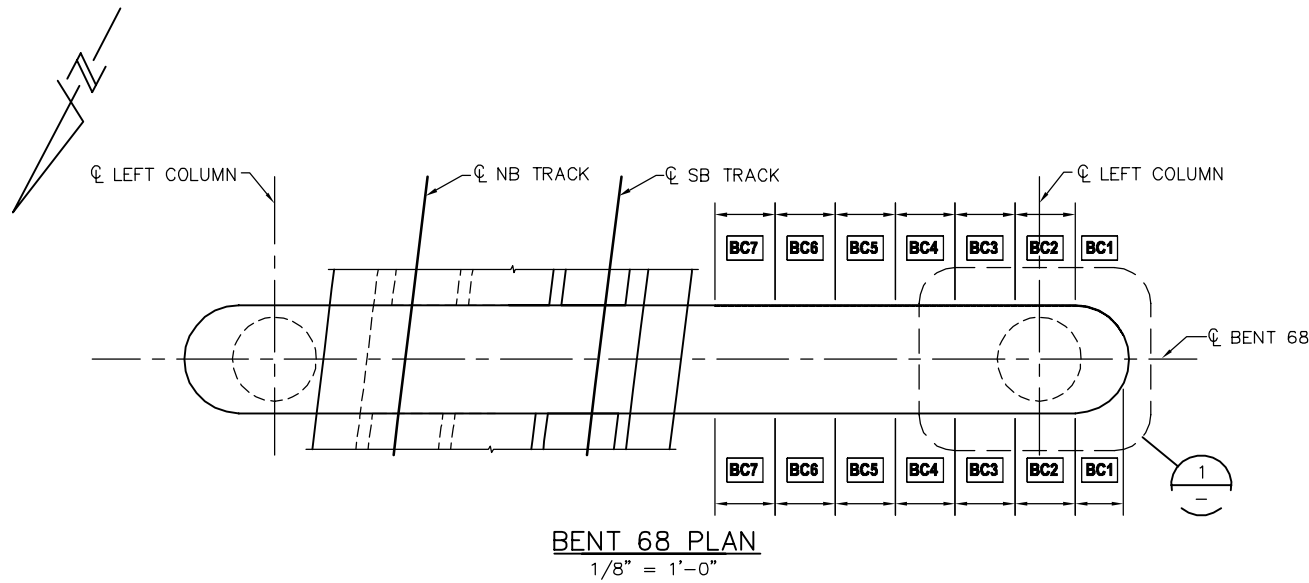
CADD FILE DATE: **05/18/20**
 SUBMITTAL DATE: **06/29/20**

SCALE: **AS SHOWN**
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 AESTHETIC DETAILS No. 3

PCA NO. **000** CONTRACT NO. **C801** FILE LOCATION: **PROJECTWISE**

SHEET OF	SD337
DRAWING NO.	SD337
REVISION	B



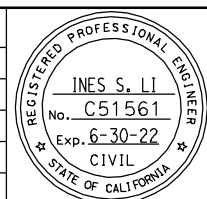
LEGEND:

BC# INDICATES FORMLINER UNIT DESIGNATION. FOR DETAILS OF FORMLINER PATTERN AND AESTHETIC APPEARANCE, SEE "AESTHETIC DETAILS NO. 7" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:39am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD338.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: A. ROSALES

CHECKED: D. DEVLIN
CADD FILENAME: 801SD338.dwg



APPROVED

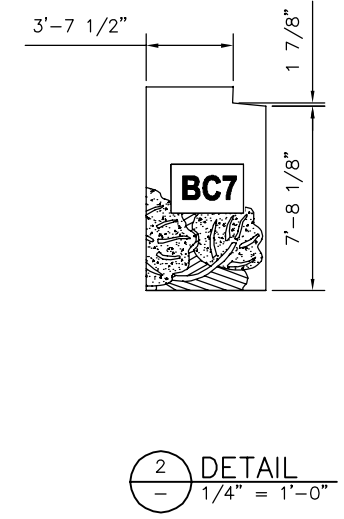
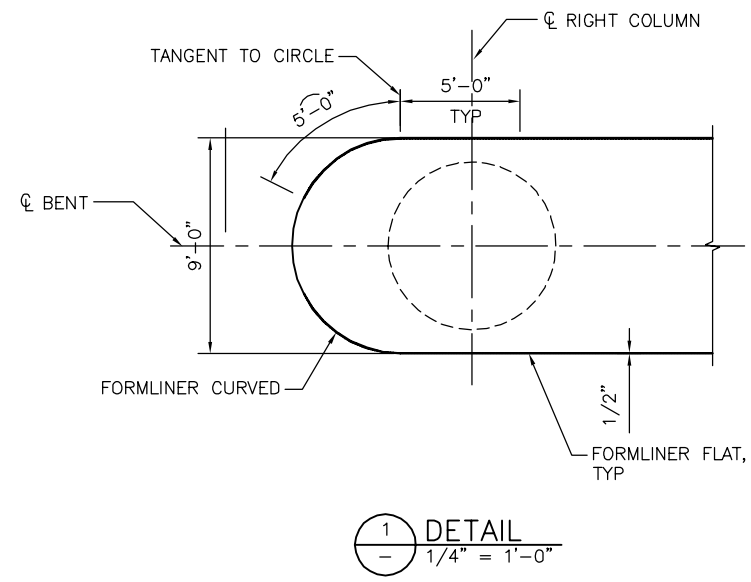
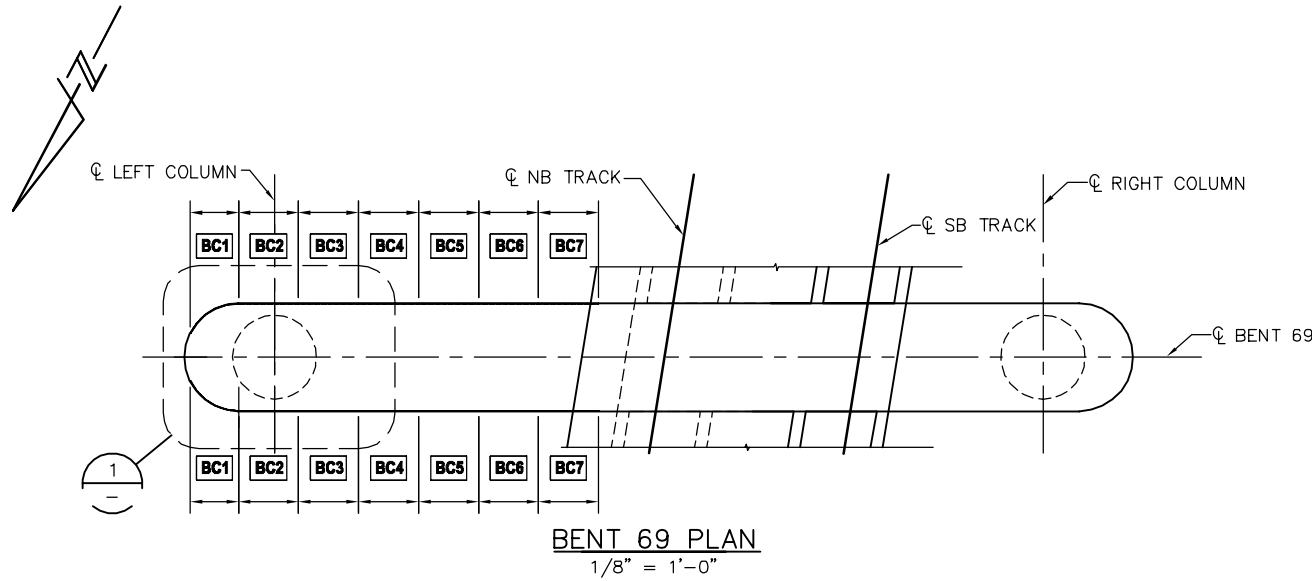
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SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

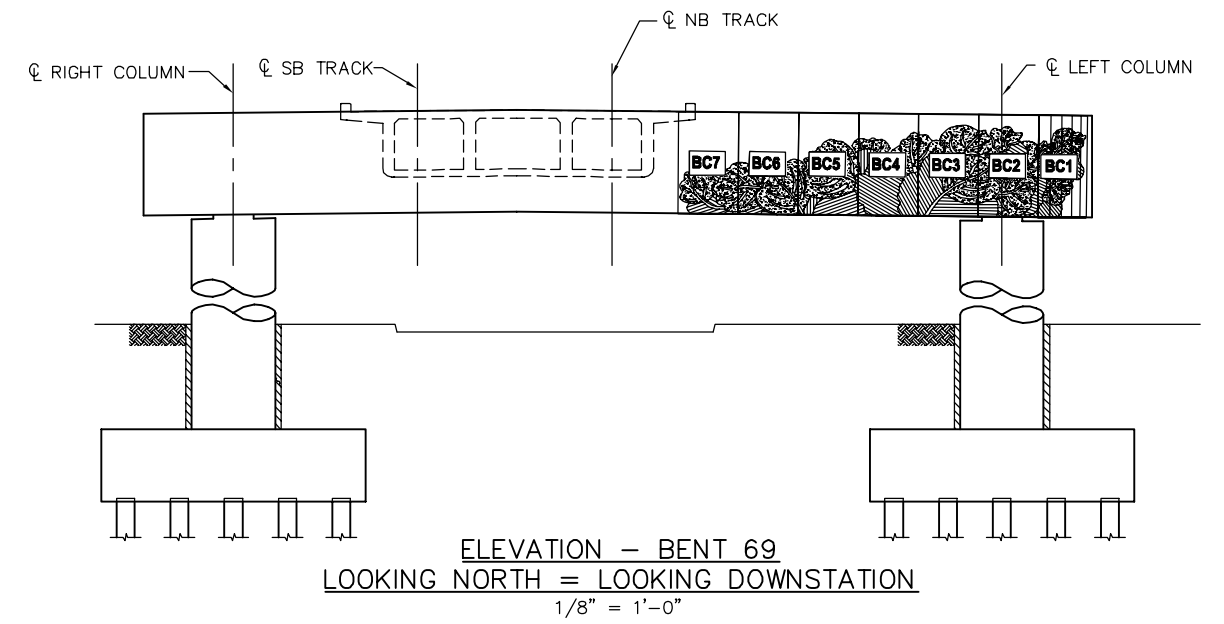
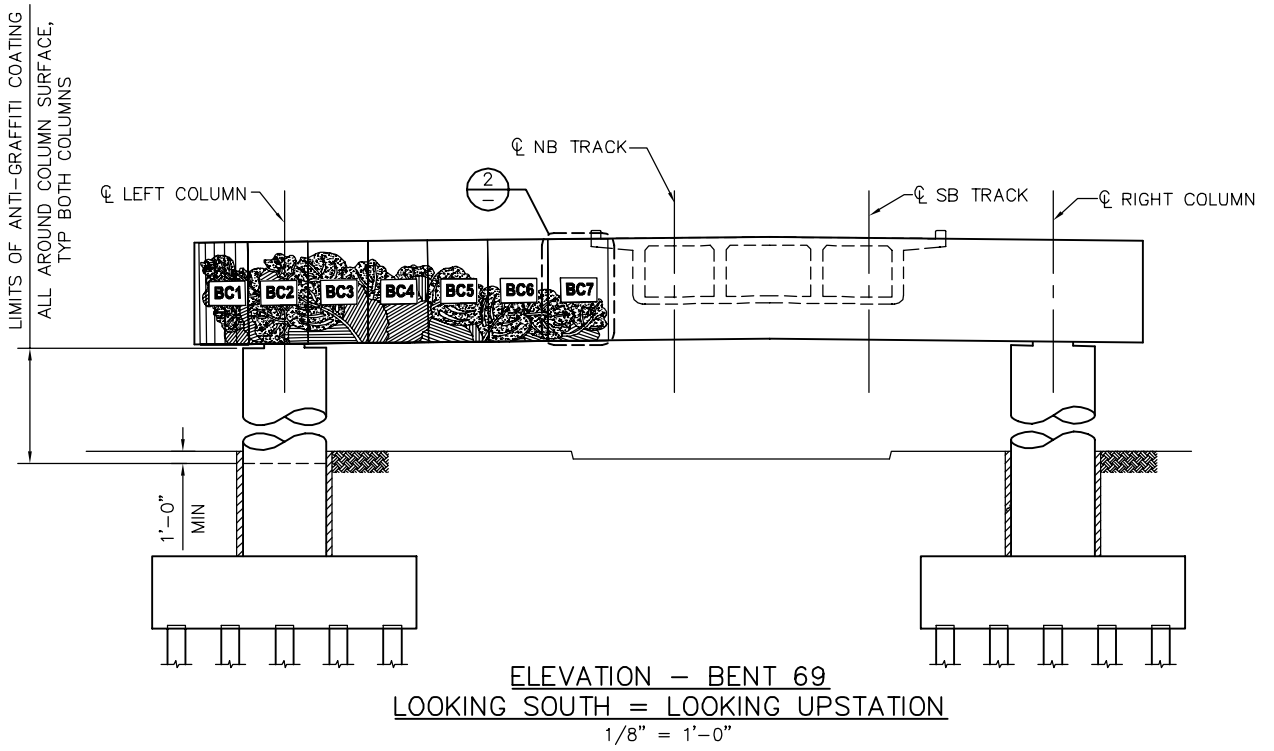
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
AESTHETIC DETAILS No. 4

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SD338
REVISION	B



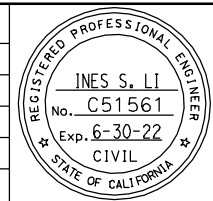
LEGEND:
BC# INDICATES FORMLINER UNIT DESIGNATION. FOR DETAILS OF FORMLINER PATTERN AND AESTHETIC APPEARANCE, SEE "AESTHETIC DETAILS NO. 7" SHEET.



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:39am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD339.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN CHECKED: D. DEVLIN
 DRAWN: A. ROSALES CADD FILENAME: 801SD339.dwg



APPROVED

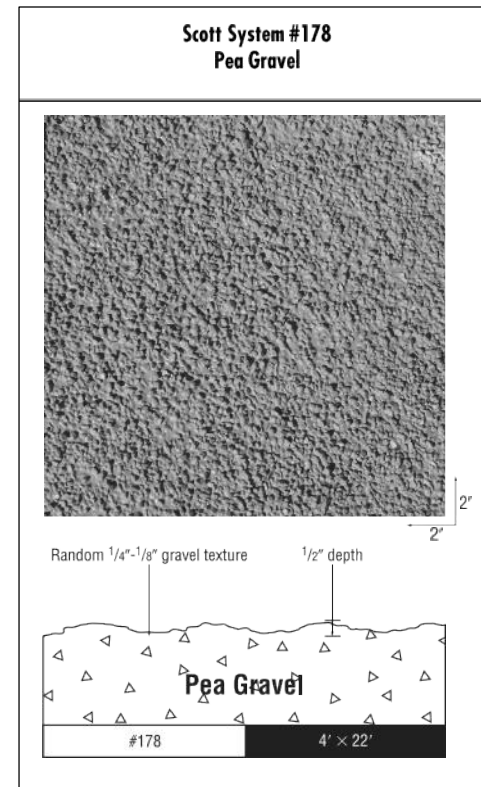
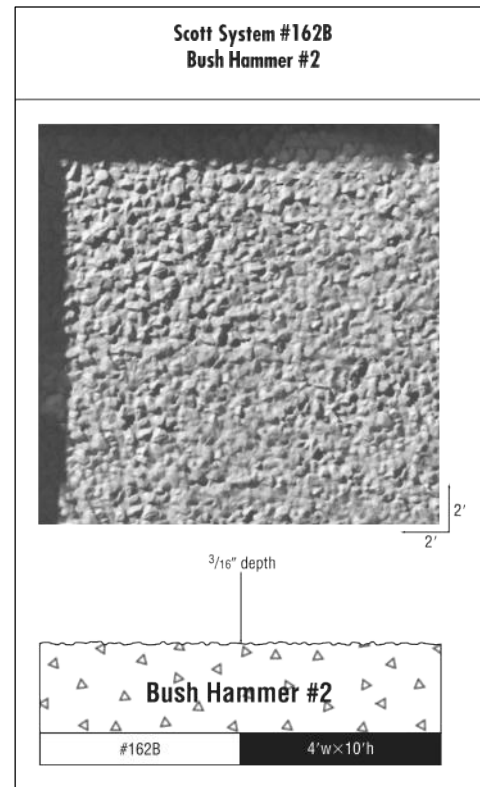
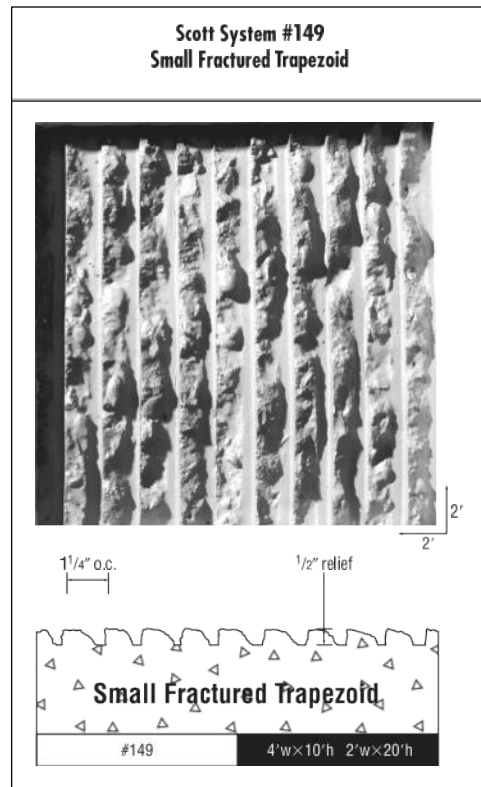
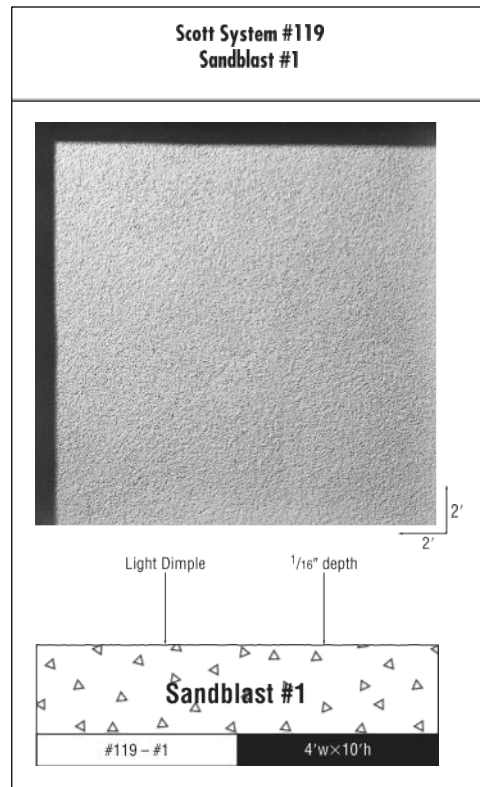
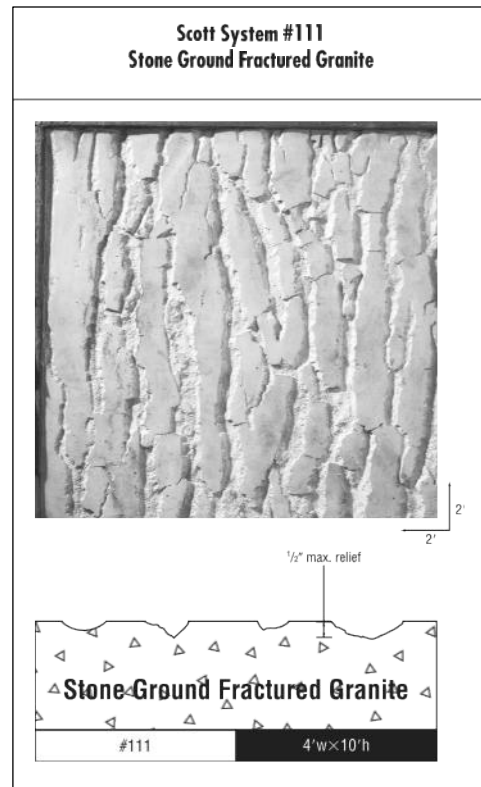
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

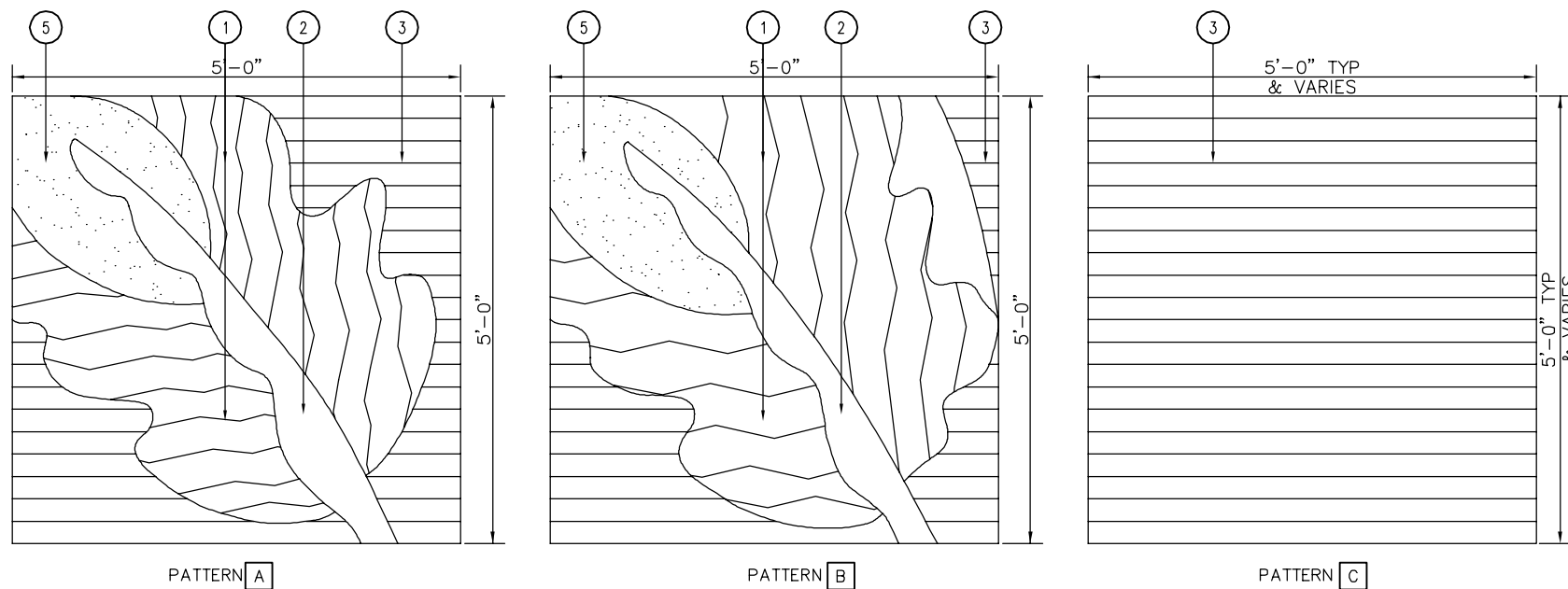
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 CAPITOL AERIAL GUIDEWAY
 AESTHETIC DETAILS No. 5

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF	SD339
REVISION	A



FORM LINER PATTERN
NTS



FORMLINER UNIT 'A', 'B', & 'C'
NTS

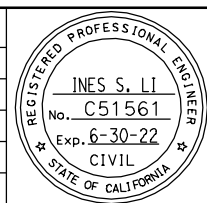
KEYNOTES

- ① SCOTT SYSTEM # 111
- ② SCOTT SYSTEM # 119
- ③ SCOTT SYSTEM # 149
- ④ SCOTT SYSTEM # 162B
- ⑤ SCOTT SYSTEM # 178

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:40am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD340.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515

DESIGNED: D. CHAN
DRAWN: A. ROSALES

CHECKED: D. DEVLIN
CADD FILENAME: 801SD340.dwg



APPROVED

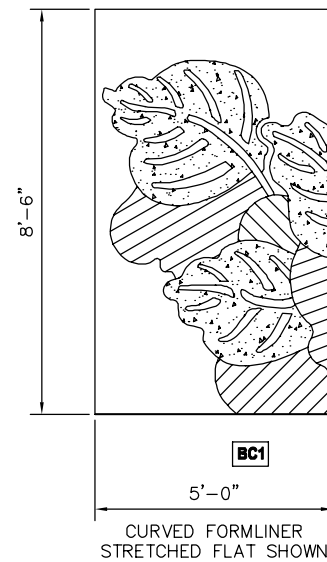
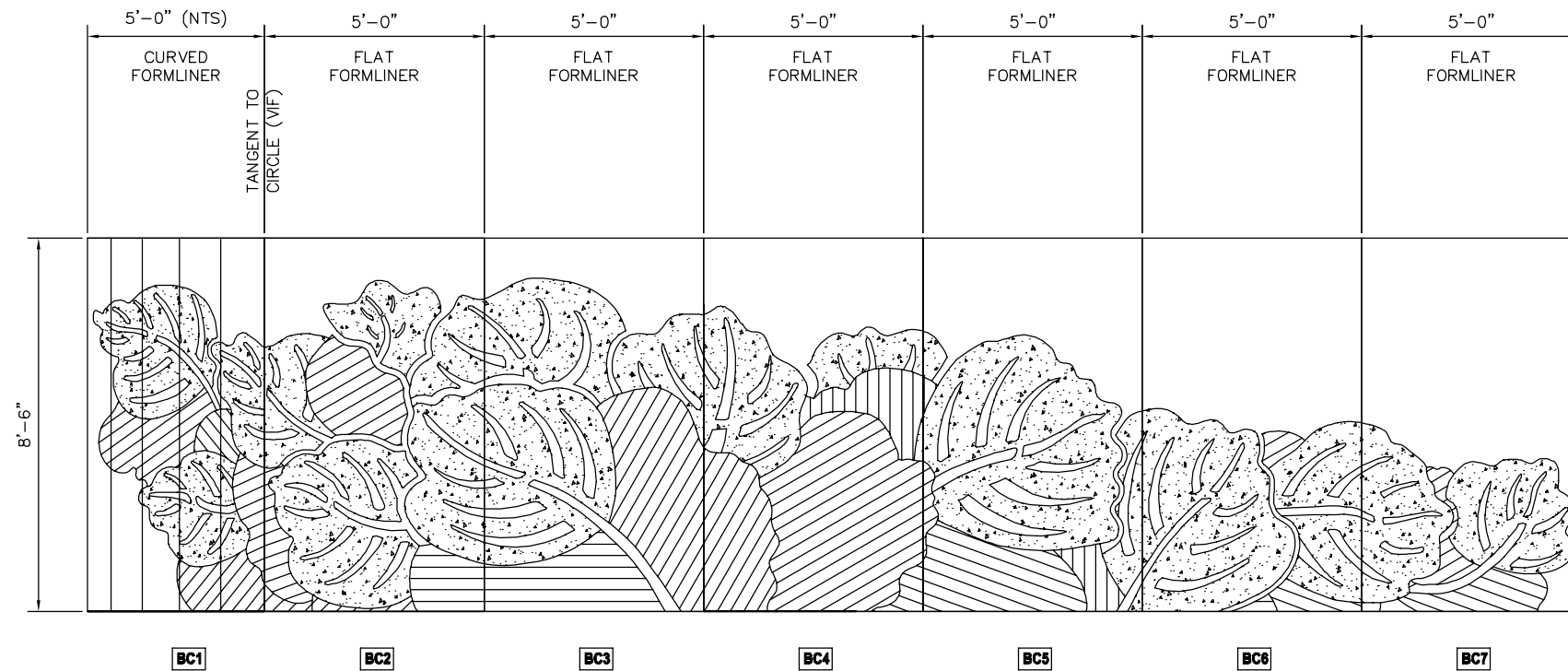
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
AESTHETIC DETAILS No. 6


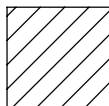
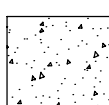
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SD340
REVISION	A

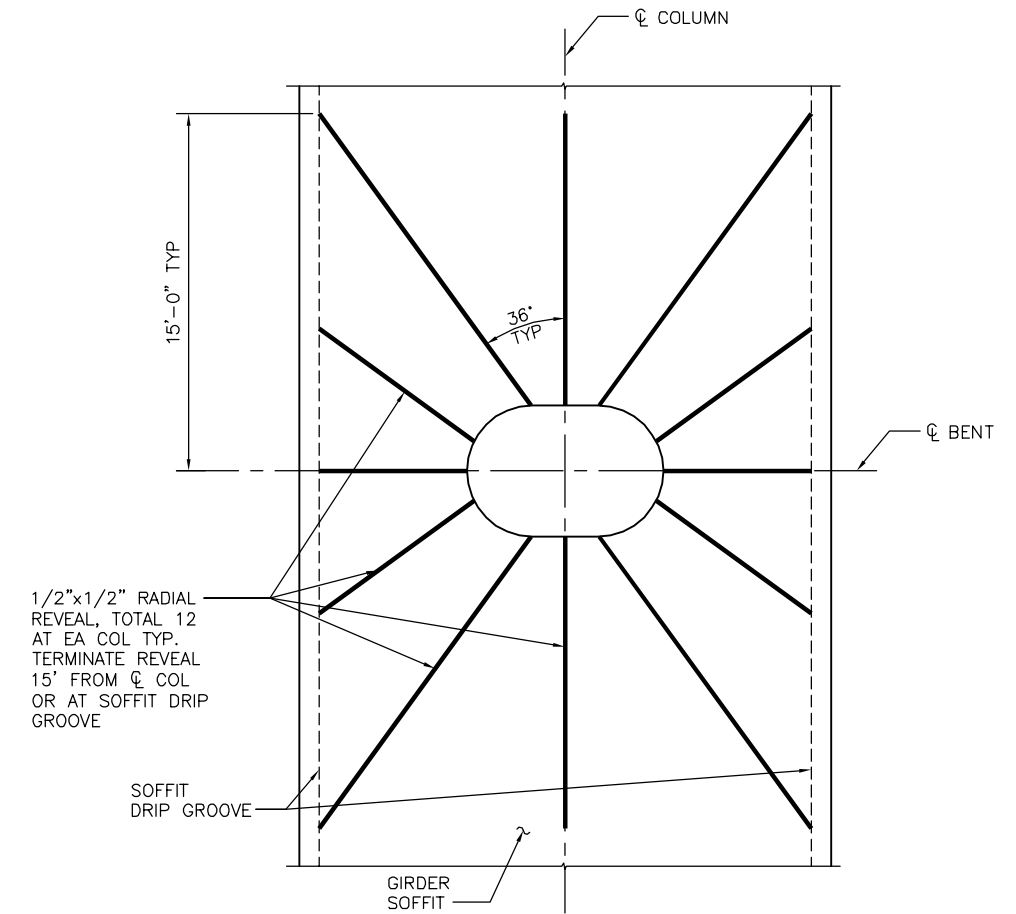


LEGEND: TEXTURE BY SCOTT SYSTEMS OR VTA APPROVED EQUAL. SEE "AESTHETIC DETAILS NO. 6" SHEET FOR ADDITIONAL INFORMATION.

PATTERN:

-  SCOTT SYSTEM #119
-  SCOTT SYSTEM #149
-  SCOTT SYSTEM #178

OUTRIGGER BENT FORMLINER PATTERN
1/2" = 1'-0"

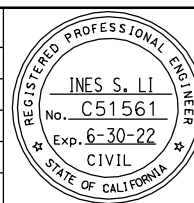


1 DETAIL
1/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:40am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\801SD341.dwg


NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET




SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: A. ROSALES

CHECKED: D. DEVLIN
CADD FILENAME: 801SD341.dwg




APPROVED



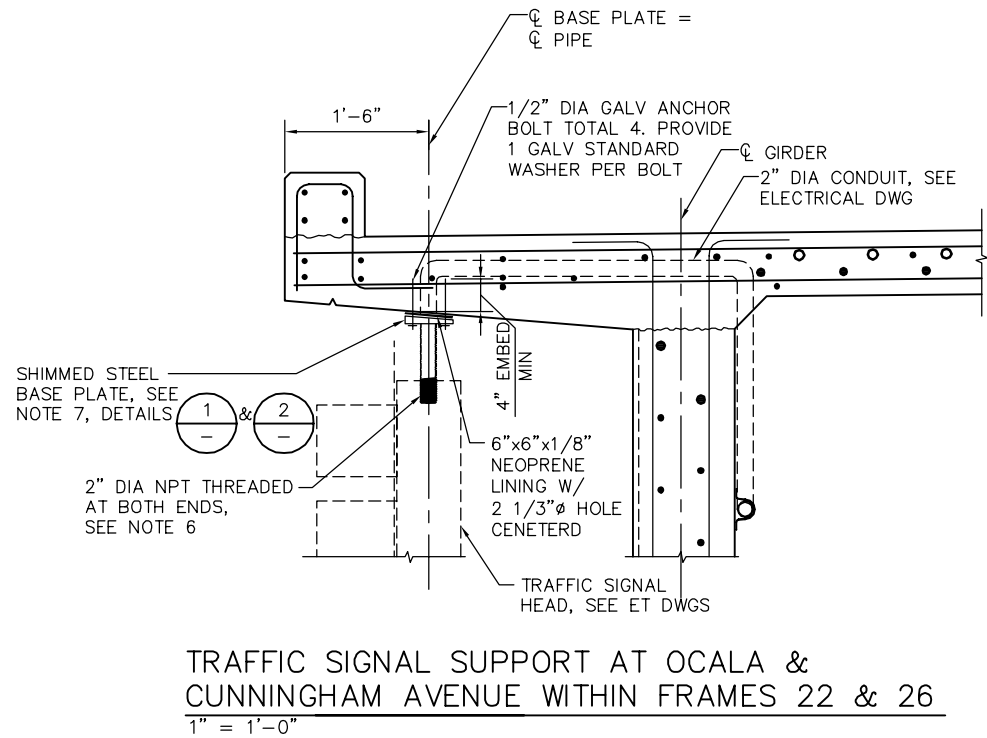
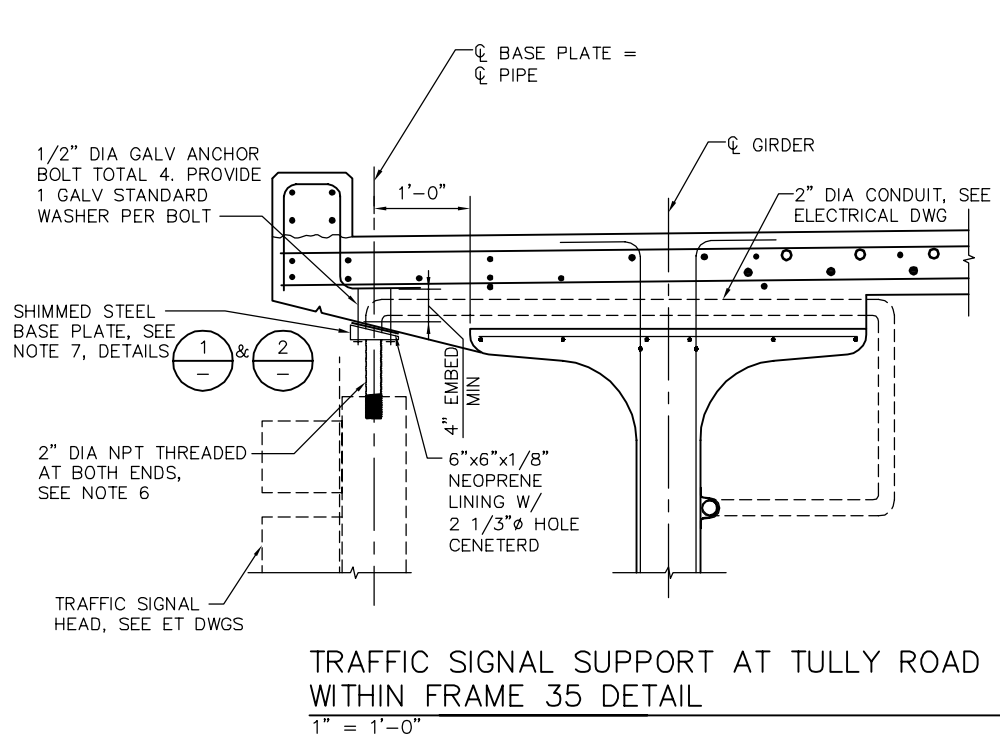
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/18/20
SCALE: 1/2" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

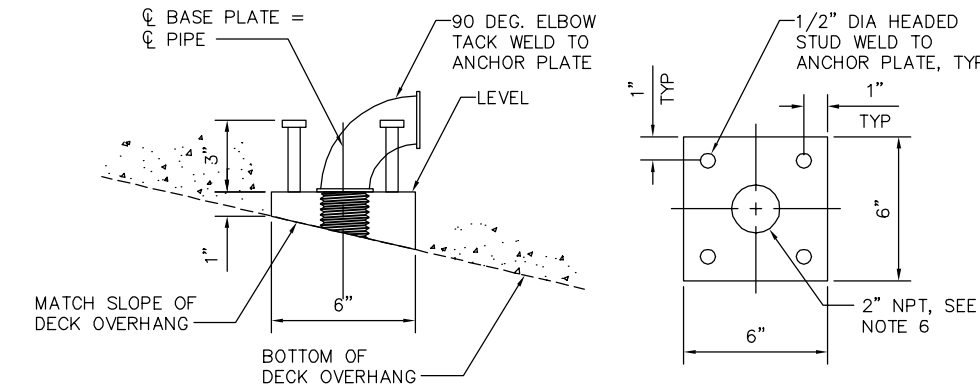
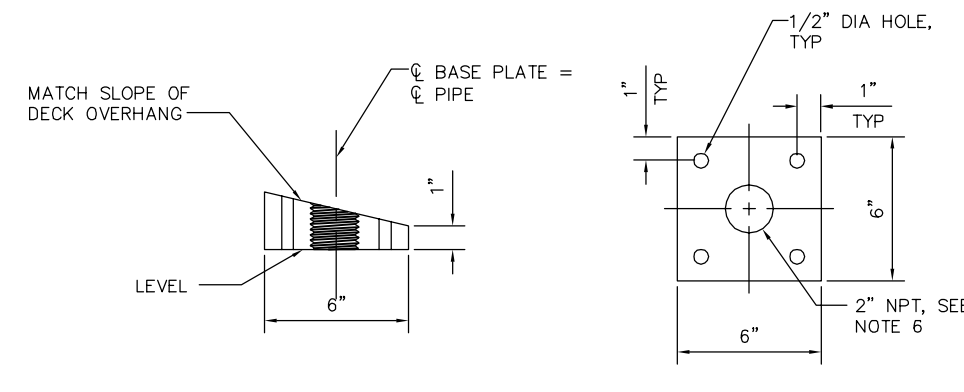
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
AESTHETIC DETAILS No. 7

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO.
	SD341
REVISION	A



- NOTES:**
1. POST INSTALLED ANCHOR BOLTS SHALL BE SIMPSON TITAN HD OR HILTI KWIK BOLT 3. SPECIAL INSPECTION REQUIRED.
 2. ALL BOLTS, PLATES, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED AS PER ASTM A153.
 3. FOR OTS GROUNDING, PROVIDE CONDUITS, CAPS AND PROTECTION.
 4. CAP AND PROTECT THE CONDUITS DURING AND AFTER CONSTRUCTION.
 5. PROTECT ANCHOR BOLTS ABOVE TOP OF FOUNDATION FROM DAMAGE AND RESIDUAL CONCRETE DURING AND AFTER FOUNDATION CONSTRUCTION.
 6. PIPES SHALL FOLLOW NPT STANDARD AND BE THREADED AT BOTH ENDS PER ANSI/ASME B1.20.1 AND HOT-DIP GALVANIZED PER ASTM A153.
 7. SHIMMED BASE PLATE HOLE SHALL BE THREADED AFOR 2" NPT PIPE AS PER ANSI/ASME B1.20.1 AND HOT-DIPPED GALVANIZED AS PER ASTM A153.



1
-
3" = 1'-0"

TRAFFIC SIGNAL SUPPORT - POST INSTALLED SETUP
(SPECIAL INSPECTION REQUIRED)

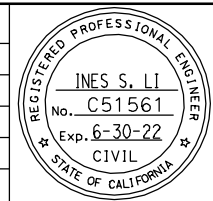
2
-
3" = 1'-0"

TRAFFIC SIGNAL SUPPORT - ALTERNATIVE
CAST-IN-PLACE SETUP

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 11:40am W:\2017\2017103\CAPITOL_AERIAL_GUIDEWAY\01\SD342.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SR301.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
1/2" = 1'-0"

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
CAPITOL AERIAL GUIDEWAY
TRAFFIC SIGNAL SUPPORT DETAILS

PCA NO.
000

CONTRACT NO.
C801

FILE LOCATION
PROJECTWISE

SHEET OF	DRAWING NO. SD342
REVISION	A

**GENERAL NOTES
LOAD RESISTANCE FACTOR DESIGN**

DESIGN: CAPITOL EXPRESSWAY LIGHT RAIL PROJECT—STRUCTURAL DESIGN BASIS
MEMORANDUM PREPARED BY BIGGS CARDOSA ASSOCIATES, INC.
REVISION No. 7, DATED MARCH 31, 2020.

SOIL PARAMETERS: BASED ON GEOTECHNICAL REPORT BY PARIKH CONSULTANTS, INC.
DATED: APRIL, 2020.

$\gamma = 125$ pcf

FOR SOIL PARAMETERS AND OTHERS GEOTECHNICAL INFORMATION, SEE
GEOTECHNICAL REPORT.

REINFORCED CONCRETE: REINFORCED CONCRETE AT ELEVATORS:

$f'_c = 3600$ psi $f'_c = 5000$ psi
 $f_y = 60,000$ psi $f_y = 60,000$ psi

RETAINING WALL NOTES:

- UNLESS NOTED OTHERWISE, WALL ALIGNMENT SHALL BE PARALLEL TO THE NEAREST TRACK WITH OFFSET INDICATED.
- FOR TRACK ALIGNMENT & PROFILE, SEE TG DWGS.
- WEAKENED PLANE JOINT IN CIP WALL SHALL BE SPACED AT APPROXIMATELY EQUAL SPACING BETWEEN EXPANSION JOINTS. JOINT SPACING SHALL NOT EXCEED 24 FEET
- EXPANSION JOINT SPACING IN CIP WALL SHALL NOT EXCEED 96 FEET.
- INDICATES TES POLE LOCATION.
-) INDICATES GUY ANCHOR LOCATION.
- INDICATES SIGNAL POLE OR IDS CAMERA.
- DENOTES 18"Ø PILE. MINIMUM CLEAR SPACING SHALL NOT BE CLOSER THAN 54"

GENERAL NOTES

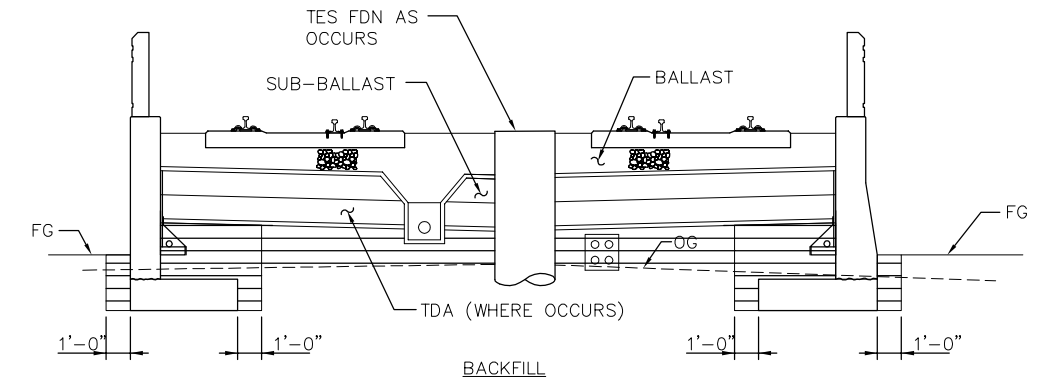
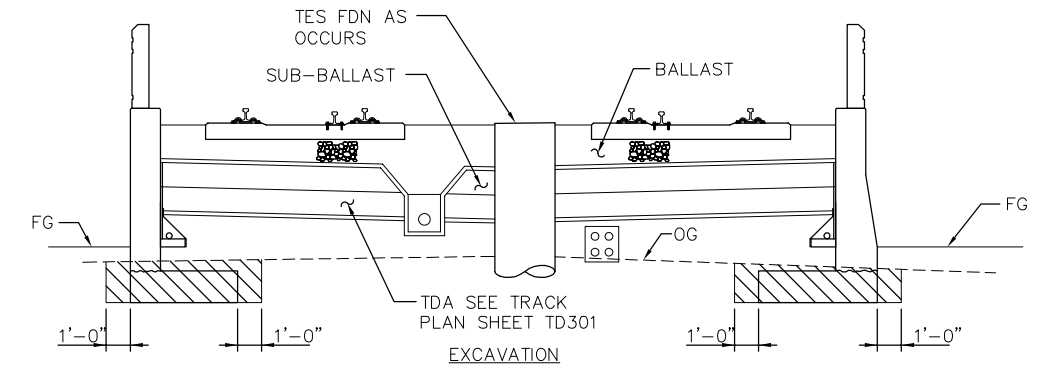
- HORIZONTAL LAYOUT LINES ARE \dot{C} SB & \dot{C} NB TRACK. CONTRACTOR SHALL VERIFY LAYOUT INFORMATION SHOWN ON STRUCTURAL DRAWINGS WITH CIVIL AND TRACKWORK DRAWINGS PRIOR TO PERFORMING ANY CONSTRUCTION STAKING.
- THE VTA OR ITS OFFICERS AND AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THE CONTRACT DRAWINGS.
- PRIOR TO PLACING ANY CONCRETE, THE CONTRACTOR SHALL VERIFY LOCATIONS OF CONDUITS, PIPES, PULL BOXES, JUNCTION BOXES AND ANY OTHER EMBEDDED ITEMS SHOWN ON CIVIL, STRUCTURAL, MECHANICAL, ARCHITECTURAL, ELECTRICAL & SYSTEMS DWGS.
- THE PIPES, SEWERS, UTILITIES AND OTHER FACILITIES SHOWN ON THE FOUNDATION PLANS MAY NOT BE COMPLETE. THE CONTRACTOR SHALL REFER TO THE VARIOUS PLANS THAT SHOW THESE FACILITIES AND VERIFY THE LOCATION, SIZE, AND QUANTITY PRIOR TO PERFORMING ANY CONSTRUCTION STAKING.

CALTRANS STANDARD & REVISED PLANS DATED 2018

GENERAL ROAD WORK
A3A ACRONYMS AND ABBREVIATIONS (A-L)
A3B ACRONYMS AND ABBREVIATIONS (M-Z)
A3C ACRONYMS AND ABBREVIATIONS (S-Z)
A10A-A10E SYMBOLS (SHEET 1 TO 5)
A62B LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL

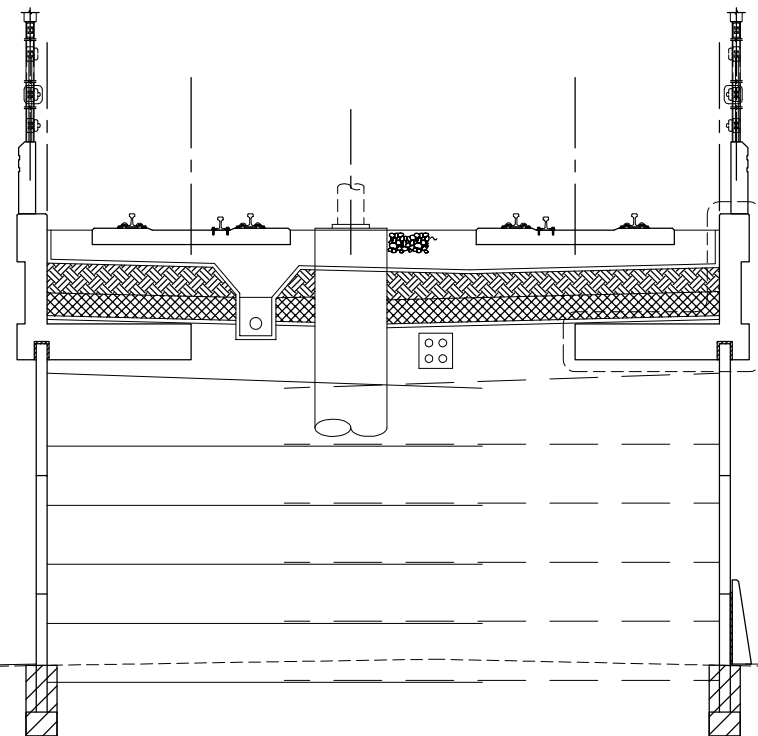
BRIDGE
B0-3 BRIDGE DETAILS
B2-8 PILE DETAILS CLASS 900
B3-8 RETAINING WALL DETAILS No. 1

- B0-3 INDICATES CALTRANS STANDARD PLAN SHEET No.
- - INDICATES DETAIL No.
- A INDICATES SECTION No.
- SD381 INDICATES DRAWING No. SHOWN ON
- 1 INDICATES DETAIL No.
- SD381 INDICATES DRAWING No. SHOWN ON

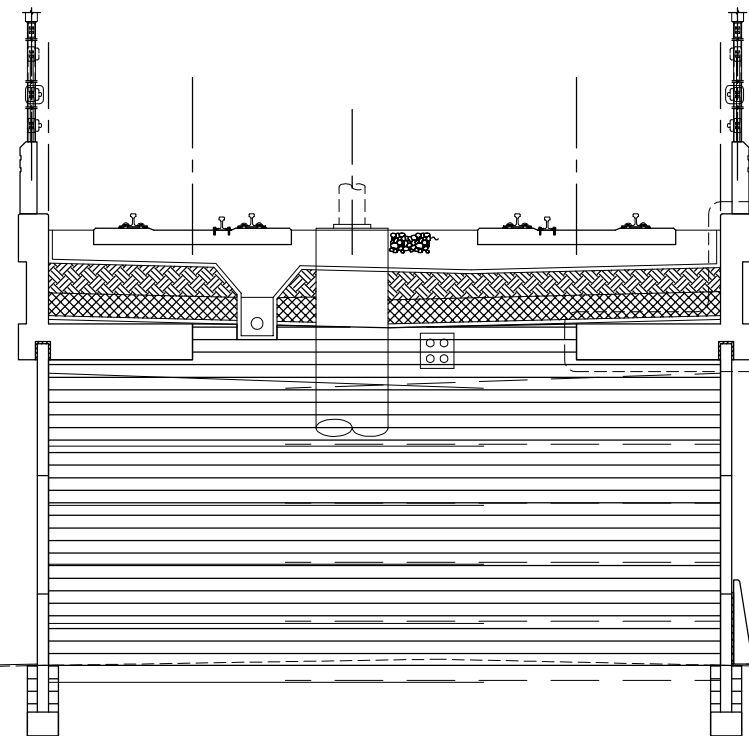


**CAST-IN-PLACE RETAINING WALL EARTHWORK
NTS**

- LEGEND:**
- STRUCTURE EXCAVATION (CAST-IN-PLACE RETAINING WALL / MSE WALL)
 - STRUCTURE BACKFILL (CAST-IN-PLACE RETAINING / MSE WALL WALL)



EXCAVATION
NTS



BACKFILL
NTS

**MSE WALL EARTH WORK
NTS**

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

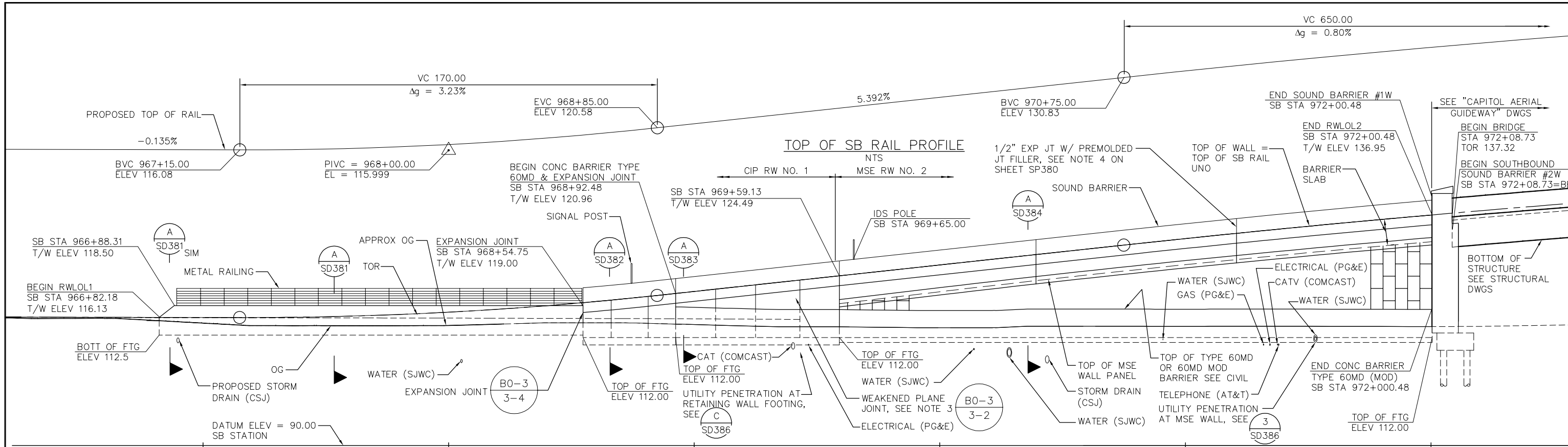


SUBMITTED	
 SIERRA ENGINEERING GROUP	
DESIGNED	CHECKED
F. FRANCO	J. SIERRA
DRAWN	CADD FILE NAME
H. NUALLES	801SP380.dwg

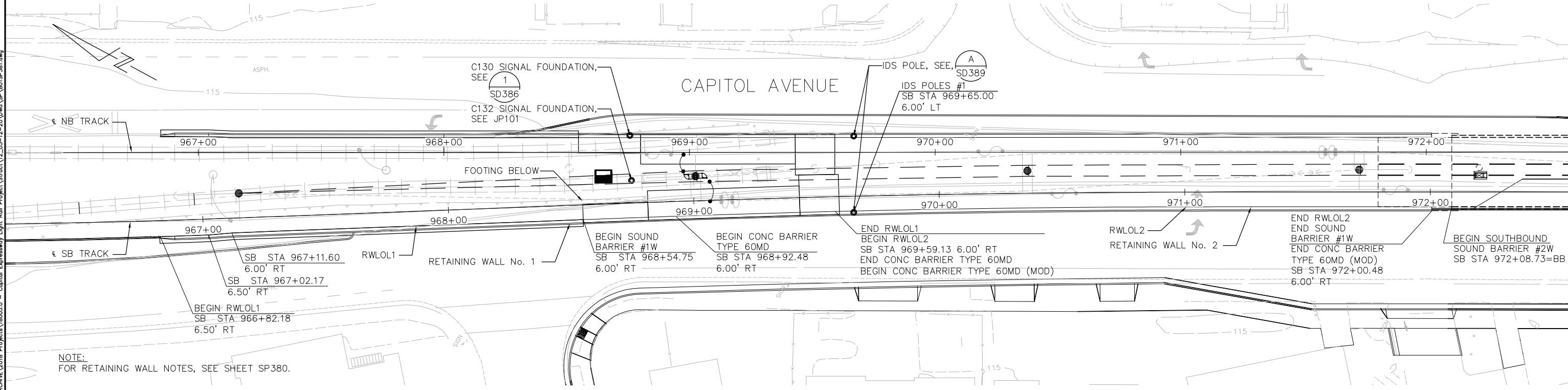


APPROVED	
 BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			SHEET
STRUCTURAL			OF
NORTH APPROACH WALLS			DRAWING NO.
GENERAL NOTES			SP380
			REVISION
			C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



RETAINING WALL NO 1 AND NO 2 ELEVATION
 SCALE: 1" = 20' HORIZ
 SCALE: 1" = 10' VERT



PLAN
 SCALE: 1" = 20'

Jun 22, 2020 - 11:02am M:\SEG_ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP_801SP381.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



SUBMITTED

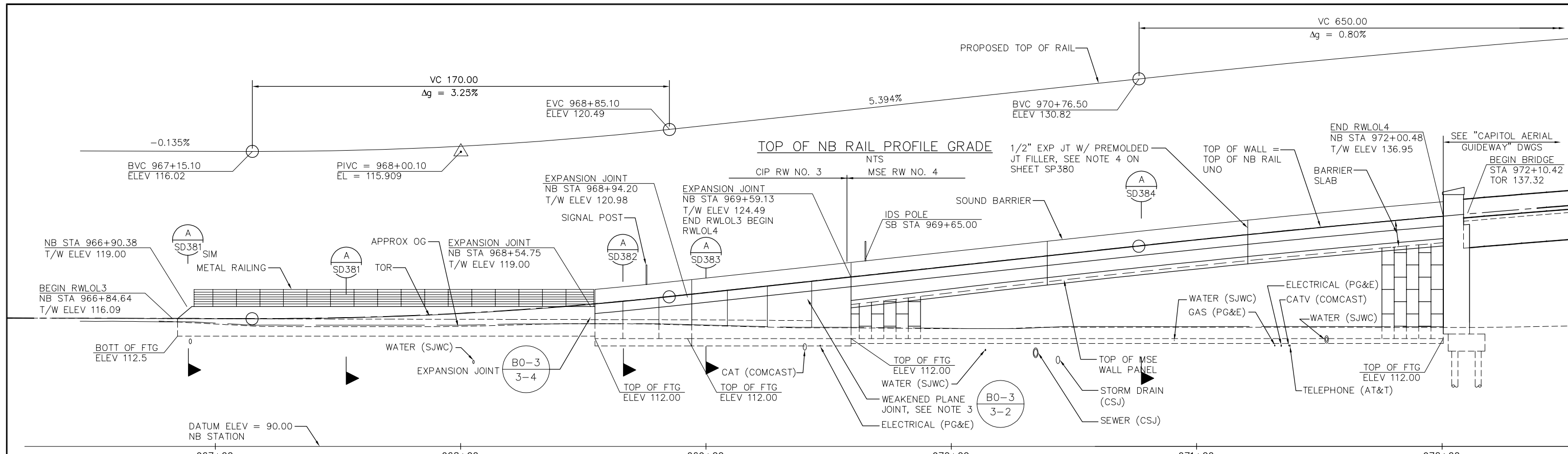
 SIERRA ENGINEERING GROUP
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440
 DESIGNED: F. FRANCO
 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
 CADD FILE NAME: 801SP381.dwg



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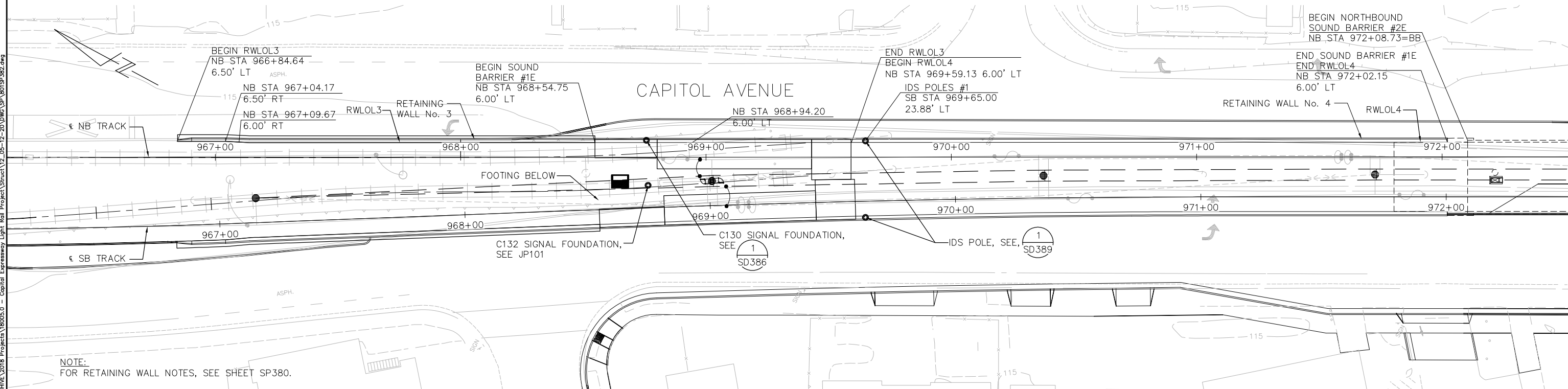
 BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1" = 20'
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS RETAINING WALL PLAN No. 1			SHEET OF DRAWING NO. SP381 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



RETAINING WALL NO. 3 AND NO. 4 MIRRORED ELEVATION

SCALE: 1" = 20' HORIZ
SCALE: 1" = 10' VERT



PLAN
SCALE: 1" = 20'

H:\03\2020 - 11:03am M.\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP_801SP382.dwg
 Jun 22, 2020

NO.	DATE	REVISIONS
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A	06/18	35% SUBMITTAL SET



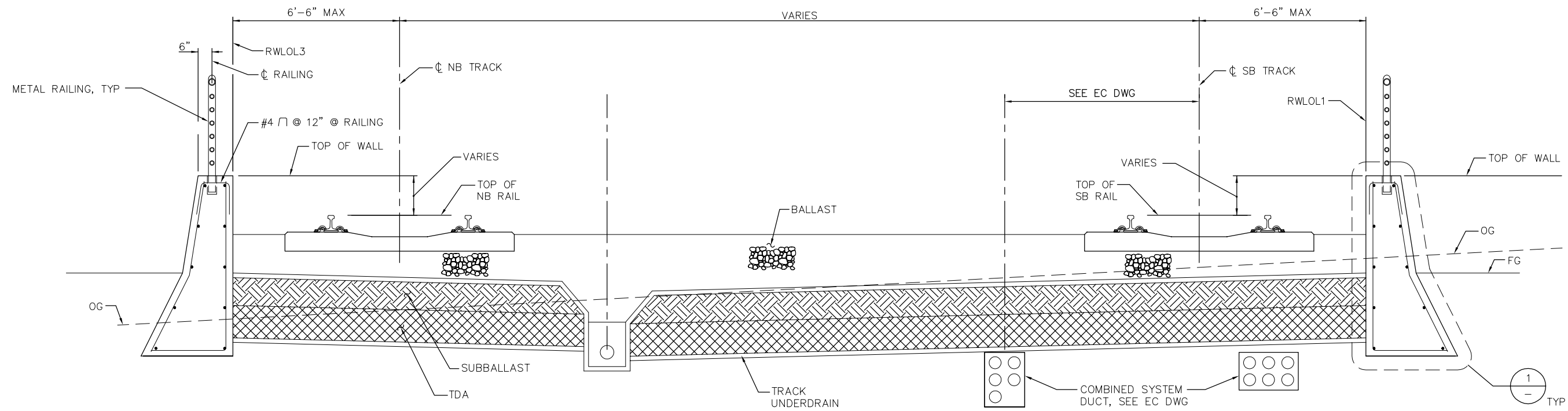
DESIGNED	F. FRANCO	CHECKED	J. SIERRA
DRAWN	H. NUALLES	CADD FILE NAME	801SP382.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED

 BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS RETAINING WALL PLAN No. 2			SHEET OF DRAWING NO. SP382 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



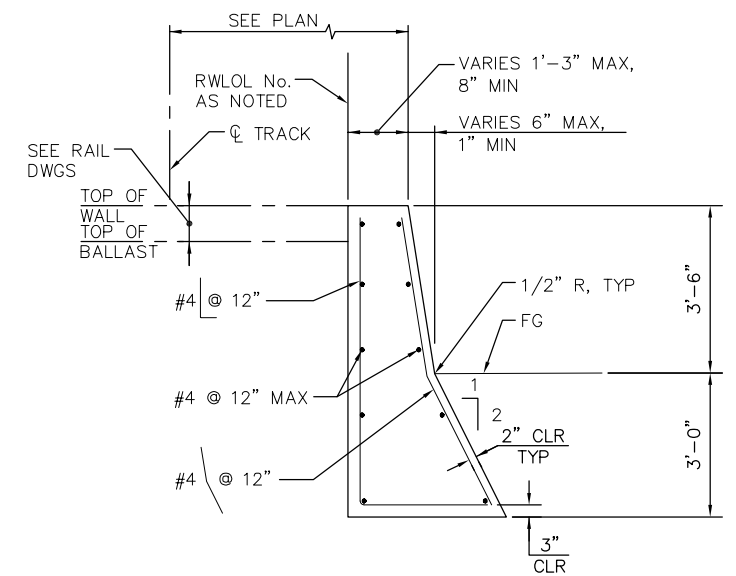
SB STA 966+82.18 TO SB STA 968+54.75
 NB STA 966+84.64 TO NB STA 968+54.75

1
-
1/2" = 1'-0"

TYPICAL SECTION - CIP RETAINING WALL

RETAINING WALL NOTES:

- UNLESS NOTED OTHERWISE, WALL ALIGNMENT SHALL BE PARALLEL TO THE NEAREST TRACK WITH OFFSET INDICATED.
- FOR TRACK ALIGNMENT & PROFILE, SEE TG DWGS.
- FOR TRACK SECTIONS, SEE TD DWGS.
- WEAKENED PLANE JOINT IN CIP WALL SHALL BE SPACED AT APPROXIMATELY EQUAL SPACING BETWEEN EXPANSION JOINTS. JOINT SPACING SHALL NOT EXCEED 24 FEET.
- SECTION SHOWN IS ACCURATE FOR RETAINING WALL ONLY.
- "HEADER" DETAILS & NOTES PER SHEET STC-006, UNO.
- ALL EXPOSED STEEL SHALL BE HOT-DIP GALVANIZED UNLESS OTHERWISE NOTED.



1
-
1/2" = 1'-0"

SECTION

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED F. FRANCO	CHECKED J. SIERRA
DRAWN H. NUALLES	CADD FILE NAME 801SD381.dwg

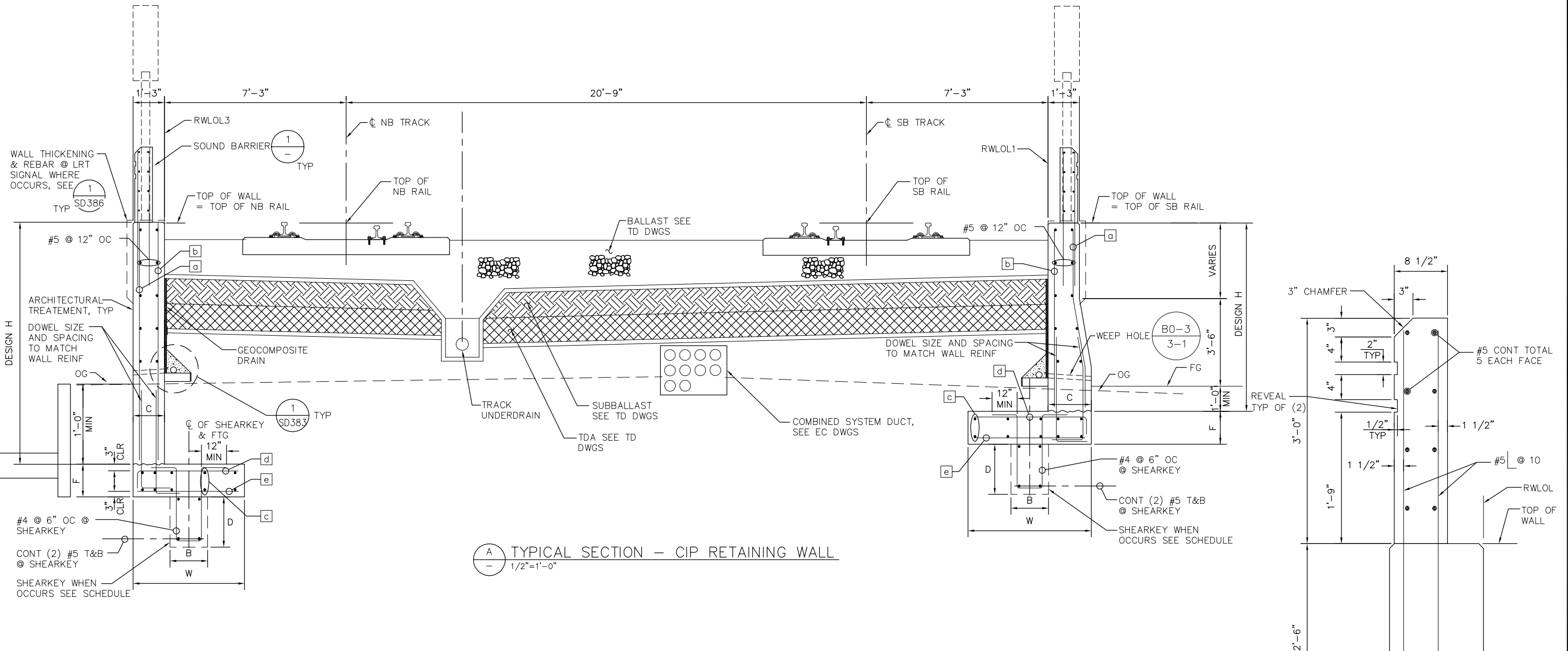


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS RETAINING WALL DETAILS No. 1		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SD381
REVISION C	

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(A) TYPICAL SECTION - CIP RETAINING WALL
1/2"=1'-0"

(1) SOUND BARRIER SECTION
1/2"=1'-0"

RETAINING WALL NOTES:
SEE SHEET SD381 FOR RETAINING WALL NOTES.

RETAINING WALL							REINFORCING					STATION	
H	F	C	D	B	W		(*)a	(*)b	c	d	e	RW No. 1	RW No. 3
(FT)	(FT)	(FT)	(FT)	(FT)	(FT)								
12	2	1.2	0	0	12		#5 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#7 @ 4" OC	#5 @ 6" OC	SB STA 968+81.27 TO SB STA 969+43.06	NB STA 968+75.00 TO NB STA 969+43.06
8	1.5	-	0	0	7.5		#5 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#7 @ 6" OC	#5 @ 6" OC	SB STA 968+54.75 TO SB STA 968+81.27	NB STA 968+54.75 TO NB STA 968+75.00

(*)a+(*)b BARS:
 H ≤ 6'-0", NO SPLICES ARE ALLOWED WITHIN 2'-6" ABOVE THE TOP OF FOOTING.
 H ≥ 6'-0", NO SPLICES ARE ALLOWED WITHIN H/4 ABOVE THE TOP OF FOOTING.

NO.	DATE	REVISIONS
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A	06/18	35% SUBMITTAL SET



SUBMITTED
 SIERRA ENGINEERING GROUP
 TEL: 510.445.0550
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DESIGNED: F. FRANCO
 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
 CADD FILE NAME: 801SD382.dwg



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20

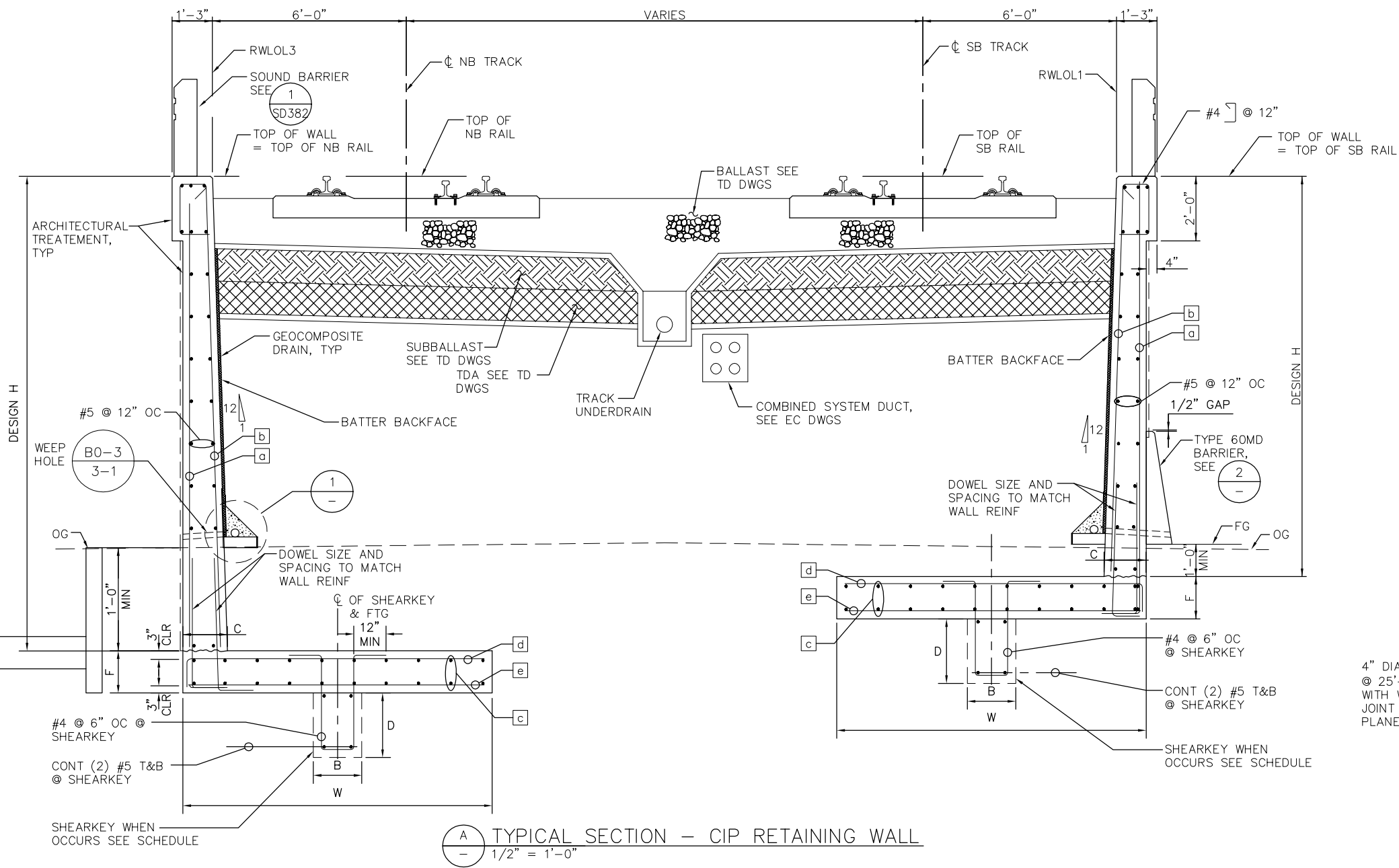
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EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 NORTH APPROACH WALLS
 RETAINING WALL DETAILS No. 2

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

SHEET OF
 DRAWING NO. SD382
 REVISION C

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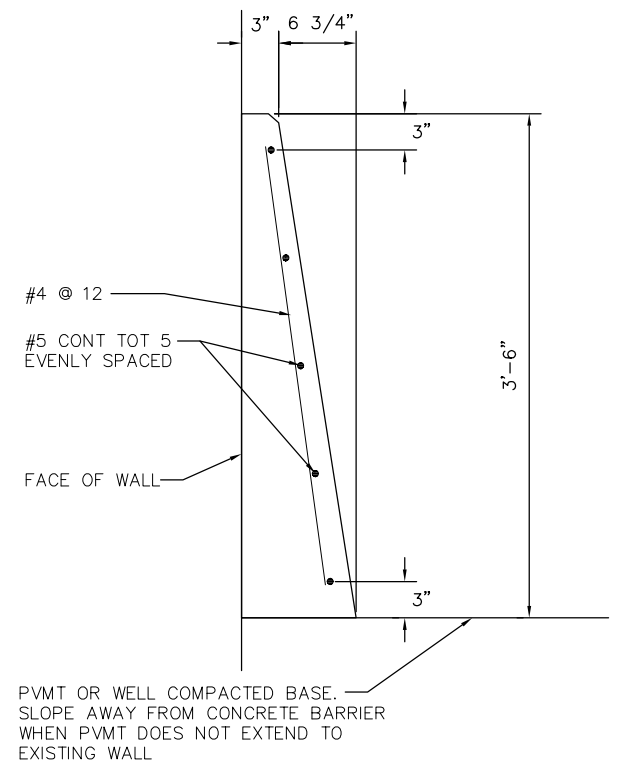


(A) TYPICAL SECTION - CIP RETAINING WALL
 1/2" = 1'-0"

NOTE:
 SECTION SHOWN IS ACCURATE FOR RETAINING WALL ONLY.

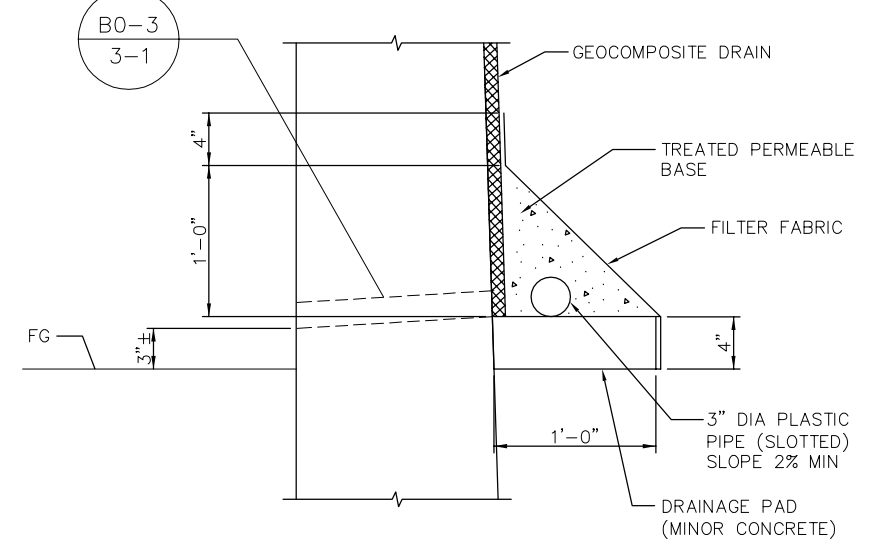
RETAINING WALL						STATION	
H (MAX)	F	C (MIN)	D	B	W	REINFORCING	
(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	a	b
14	3	1.7	0	0	16.5	#5 @ 12" OC	#7 @ 6" OC
12	2	1.2	0	0	12	#5 @ 12" OC	#7 @ 6" OC

REINFORCING					RW No. 1	RW No. 3
a	b	c	d	e		
#5 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#8 @ 4" OC	#6 @ 6" OC	SB STA 969+43.06 TO SB STA 969+59.13	NB STA 969+43.06 TO NB STA 969+59.13
#5 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#7 @ 4" OC	#5 @ 6" OC	SB STA 968+81.27 TO SB STA 969+57.48	NB STA 968+80.80 TO NB STA 969+43.06



(2) CONCRETE BARRIER TYPE 60MD
 1 1/2" = 1'-0"

4" DIA DRAIN PIPE @ 25'-0" MAX ALIGN WITH WALL EXPANSION JOINT AND WEAKENED PLANE JOINT



(1) DETAIL
 1/2" = 1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED: F. FRANCO
 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
 CADD FILENAME: 801SD383.dwg

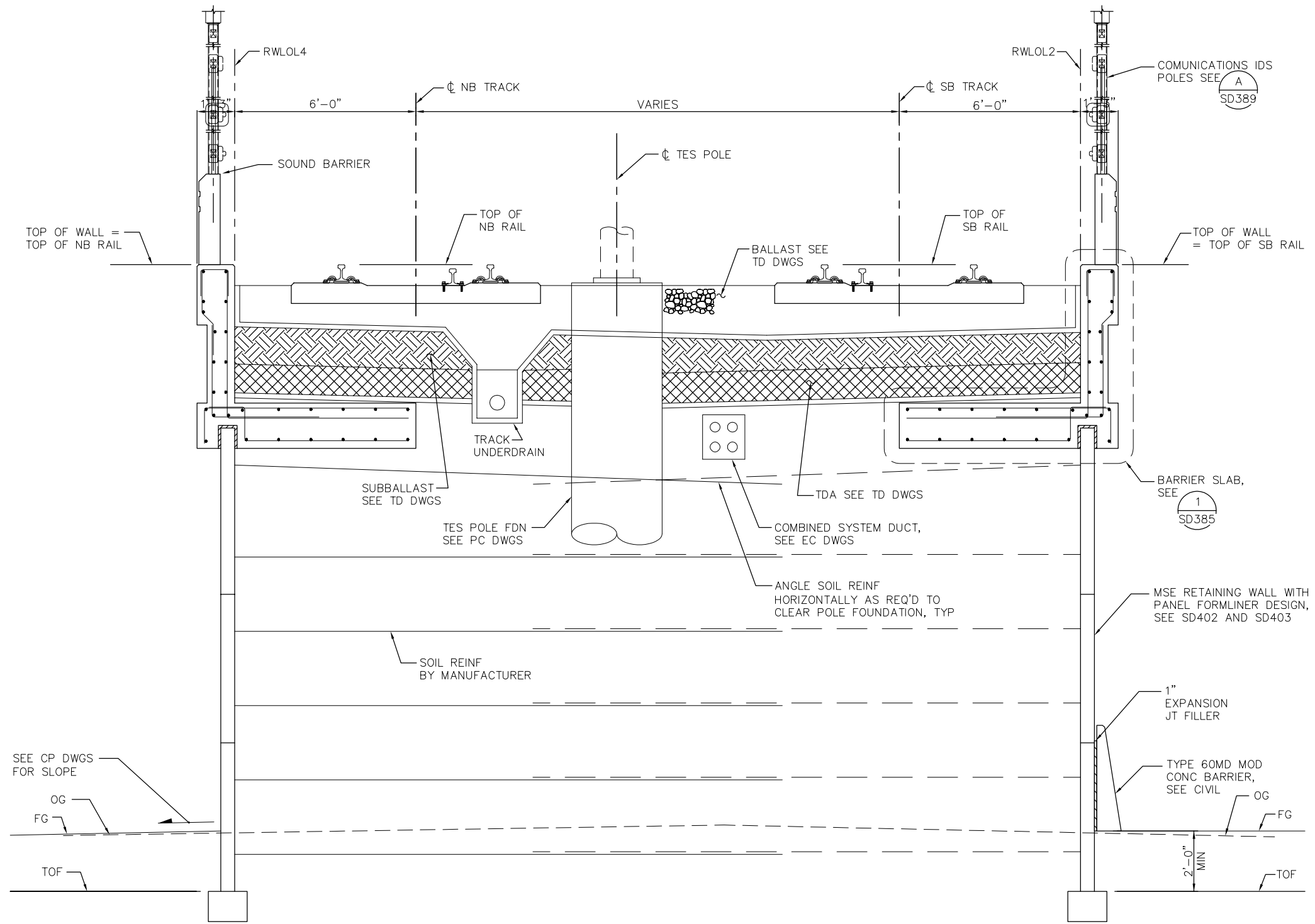


BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
NORTH APPROACH WALLS
RETAINING WALL DETAILS No. 3

SHEET OF
 DRAWING NO. SD383
 REVISION C

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(A) TYPICAL SECTION - MSE RETAINING WALL
 - 1/2" = 1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
SIERRA ENGINEERING GROUP
 TEL: 510.445.0550
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 FAX: 510.445.0440
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 DRAWN: H. NUALLES
 CADD FILE NAME: 801SD384.dwg

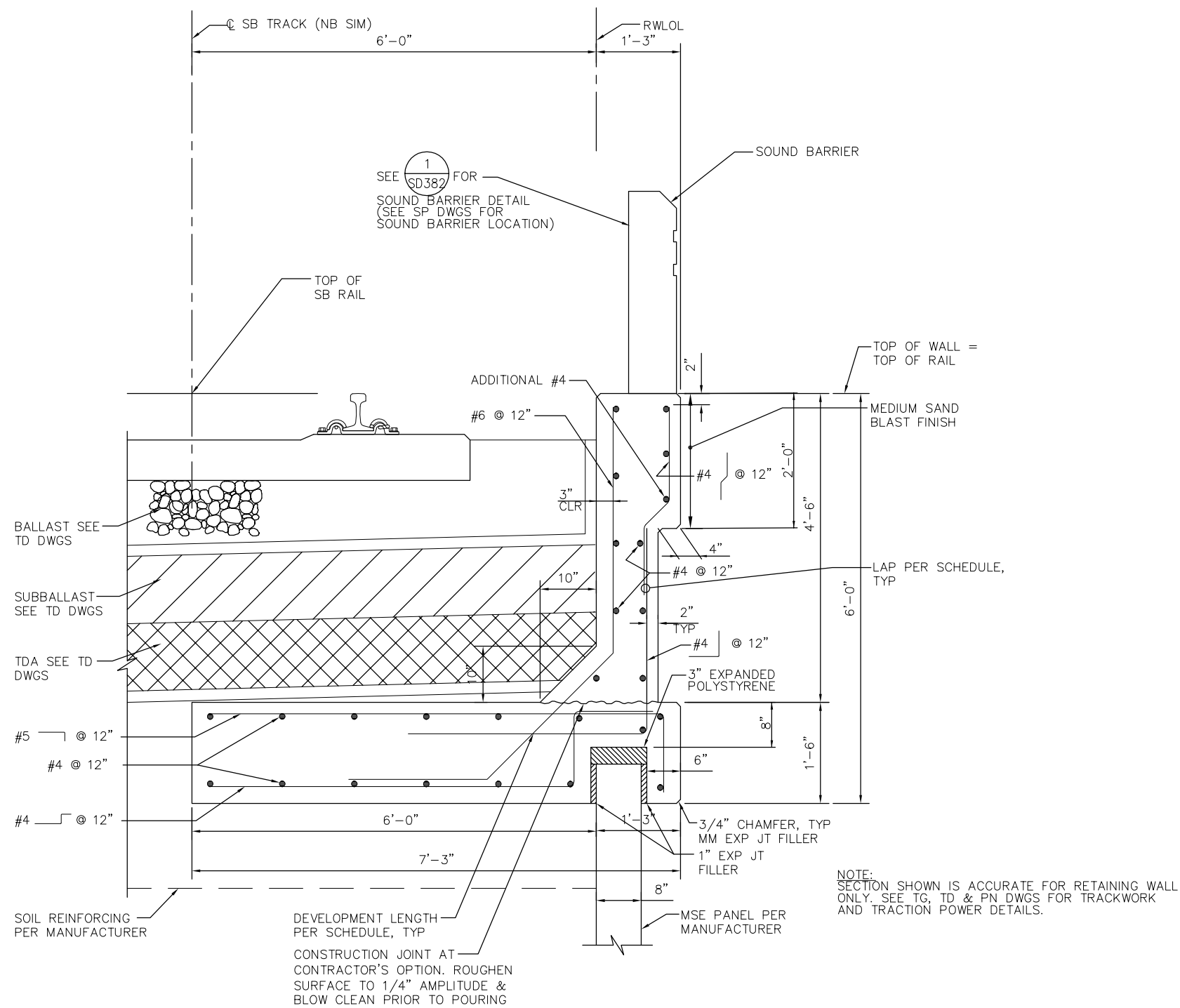


APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/2" = 1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 NORTH APPROACH WALLS
 RETAINING WALL DETAILS No. 4
 PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

SHEET OF
 DRAWING NO. SD384
 REVISION C

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1 BARRIER SLAB DETAIL
1" = 1'-0"

NO.	DATE	REVISIONS
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A	06/18	35% SUBMITTAL SET



SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED: F. FRANCO	CHECKED: J. SIERRA
DRAWN: H. NUALLES	CADD FILE NAME: 801SD385.dwg

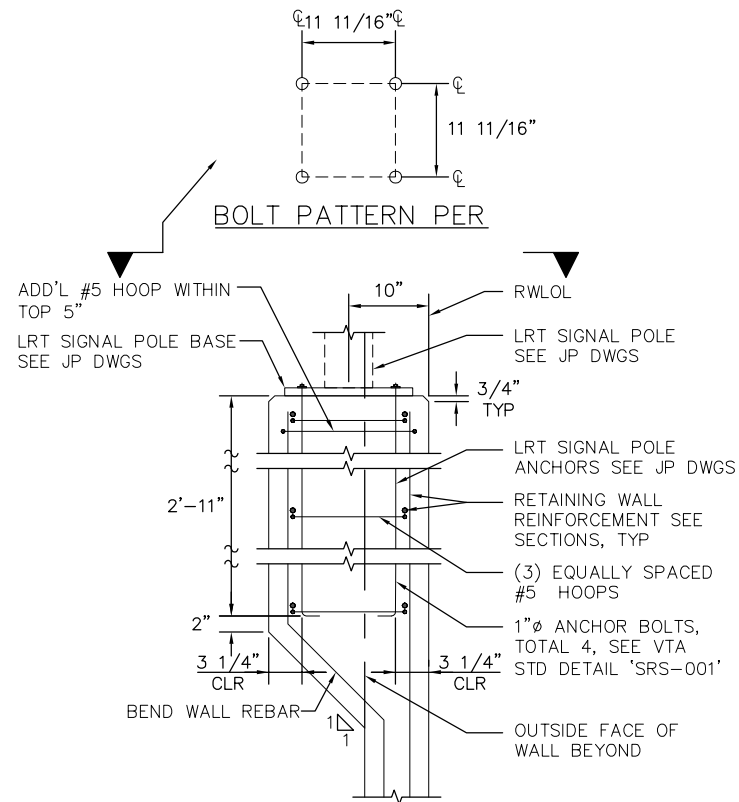


APPROVED: BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE: 06/29/20	SCALE: 1" = 1'-0"
SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

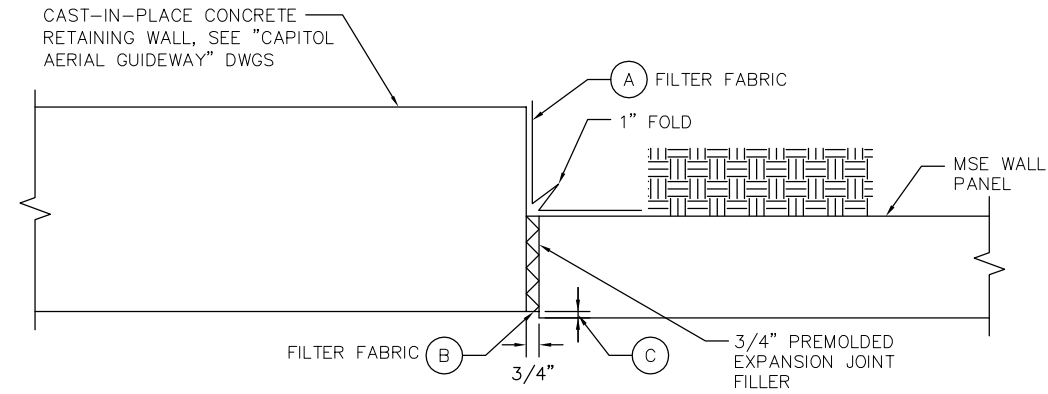
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS RETAINING WALL DETAILS No. 5		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SD385
REVISION	C

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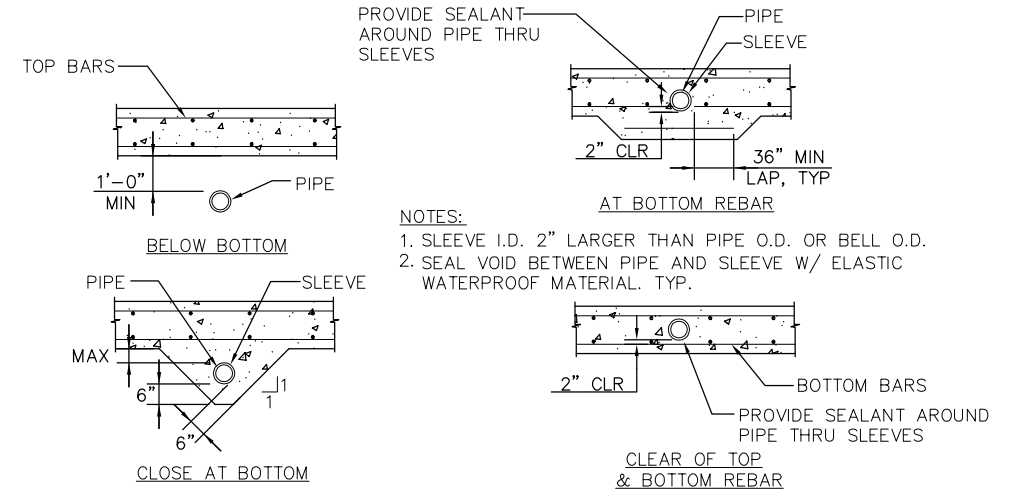


1 LRT SIGNAL POLE ANCHORAGE DETAIL
1" = 1'-0"



- NOTES:**
REBAR NOT SHOWN FOR CLARITY.
- (A) BOND A STRIP OF FILTER FABRIC, 1'-6" WIDE, TO BACK OF MSE PANELS AND THE ADJACENT CONCRETE WALL FOR ENTIRE LENGTH OF VERTICAL JOINT.
 - (B) BOND EXPANSION JOINT MATERIAL TO THE CONCRETE WALL.
 - (C) OFFSET BETWEEN FACE OF MSE FACING PANEL AND FACE OF THE CONCRETE WALL AS DICTATED BY LOCATION OF LAYOUT LINES SHOWN ELSEWHERE IN "STRUCTURE PLANS".

2 CIP RETAINING WALL - MSE WALL CONNECTION DETAIL: PLAN VIEW
NTS



3 PIPES PERPENDICULAR TO FOOTINGS
NTS

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DESIGNED:	CHECKED:
F. FRANCO	J. SIERRA
DRAWN:	CADD FILE NAME:
H. NUALLES	801SD386.dwg



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CADD FILE DATE:	SCALE:
06/29/20	AS SHOWN
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS RETAINING WALL DETAILS No. 6		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET OF
DRAWING NO. SD386
REVISION C

GENERAL NOTES
LOAD & RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION WITH CALIFORNIA AMENDMENTS.

LIVE LOAD: PER GEOTECHNICAL REPORT INCLUDING TRAIN LOAD.

SOIL PARAMETERS: BASED ON GEOTECHNICAL REPORT BY PARIKH CONSULTANTS, INC, DATED: APRIL, 2020.

$\gamma = 125 \text{ pcf}$

FOR SOIL PARAMETERS, LOADING CONDITIONS AND OTHERS GEOTECHNICAL INFORMATION, SEE GEOTECHNICAL REPORT.

PRECAST CONCRETE PANELS:

$f'_c = 4,000 \text{ PSI}$ (CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS)
 $f_y = 60,000 \text{ PSI}$ (YIELD STRENGTH OF REINFORCEMENT)

SOIL REINFORCEMENT:

WELDED WIRE MATS: $f_y = 65,000 \text{ PSI}$ (YIELD STRENGTH)
COUPLER: $f_y = 36,000 \text{ PSI}$ (YIELD STRENGTH)
CORROSION RATE = 1.1 MILS/YEAR OR 75 YEAR LIFESPAN, WHICHEVER IS GREATER

REINFORCED CONCRETE: BARRIER SLAB

$f'_c = 3,600 \text{ PSI}$, EXCEPT AS NOTED
(CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS)
 $f_y = 60,000 \text{ PSI}$ (YIELD STRENGTH OF REINFORCEMENT)

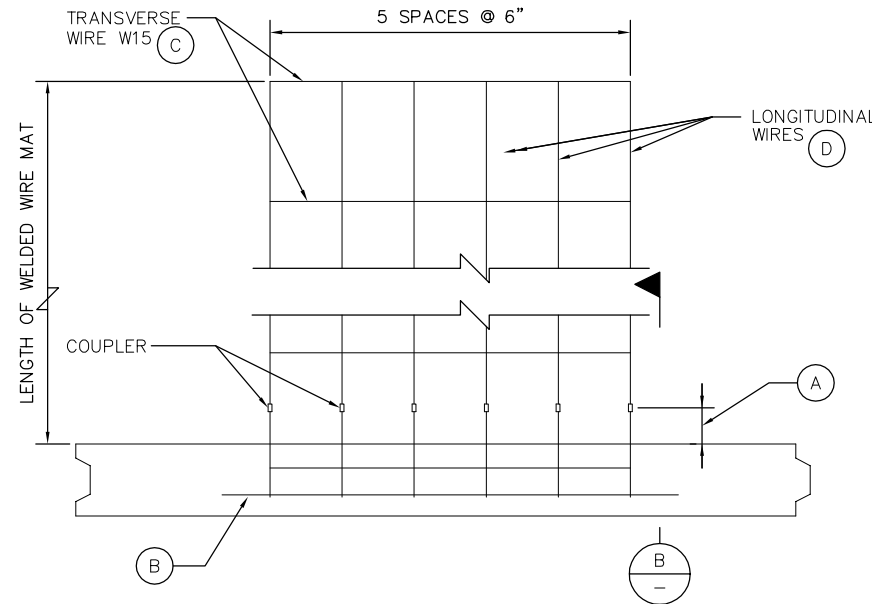
MSE = MECHANICALLY STABILIZED EMBANKMENT

MINOR CONCRETE:

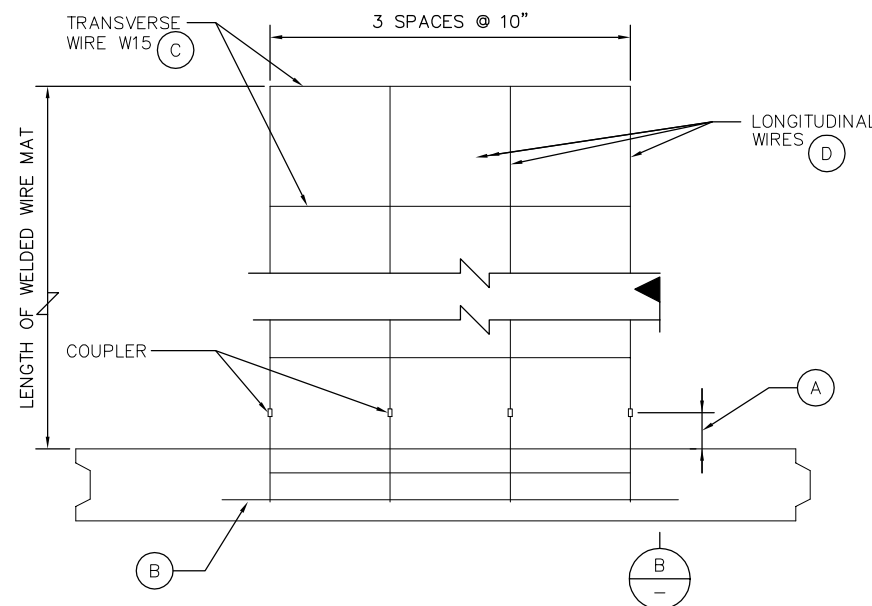
$f'_c = 2,500 \text{ PSI}$ (CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS)
MINOR CONCRETE (FOR LEVELING PAD)

NOTES:

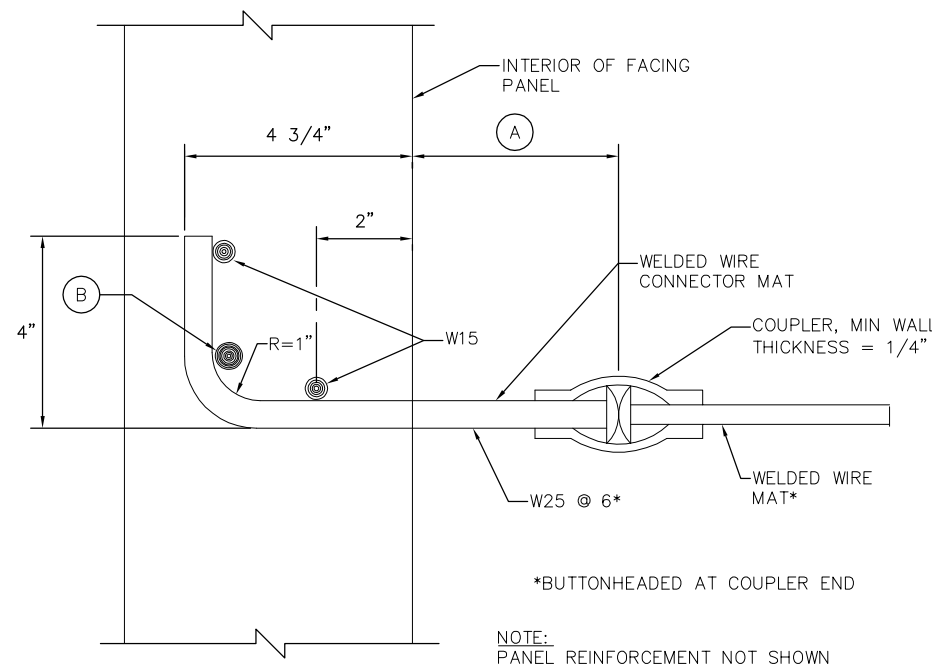
1. MSE WALL TO BE DESIGNED BY MSE WALL MANUFACTURER.
2. DETAILS SHOWN ARE OR REFERENCE ONLY AND MANUFACTURER TO DEVELOP DETAILS FOR CONSTRUCTION.
3. MSE WALL TO BE DESIGNED PER THE PARAMETERS SET UNDER THE GENERAL NOTES LOCATED ON THIS SHEET AND THE PROJECT DESIGN SPECIFICATIONS.



PLAN OF PANEL WITH SIX WIRE MAT
1 1/2" = 1'-0"



PLAN OF PANEL WITH FOUR WIRE MAT
1 1/2" = 1'-0"



SECTION
6" = 1'-0"

H:\00 Jun 22, 2020 - 10:18am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD387.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

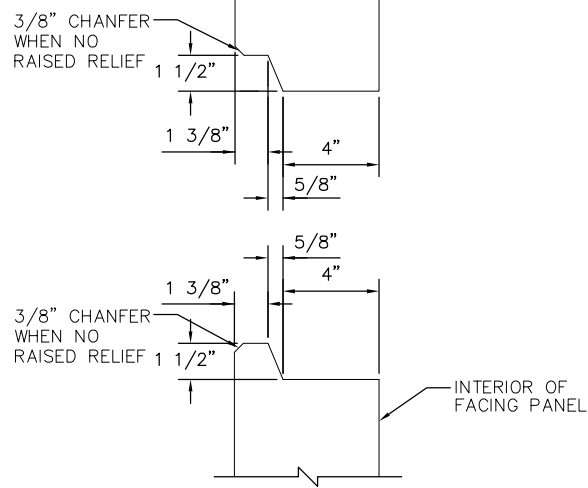


SUBMITTED		SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	F. FRANCO	CHECKED	J. SIERRA
DRAWN	H. NUALLES	CADD FILE NAME	801SD387.dwg

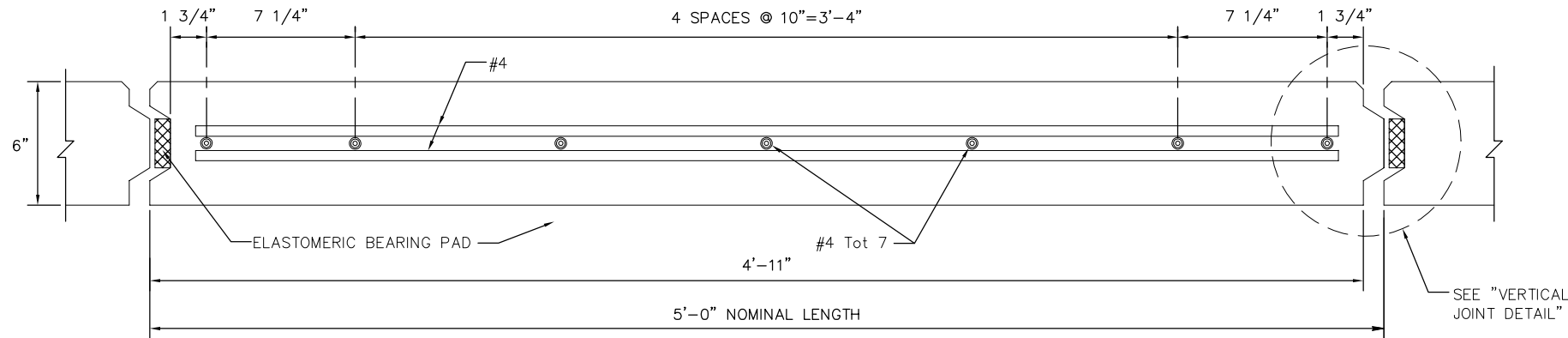


APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/29/20	SCALE	AS SHOWN
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS MECHANICALLY STABILIZED EMBANKMENT DETAILS No. 1			SHEET OF DRAWING NO. SD387 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

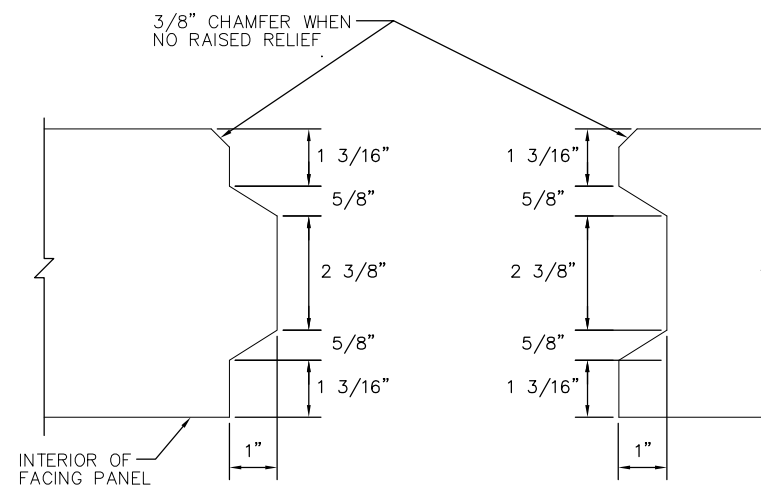


HORIZONTAL JOINT DETAIL
3"=1'-0"

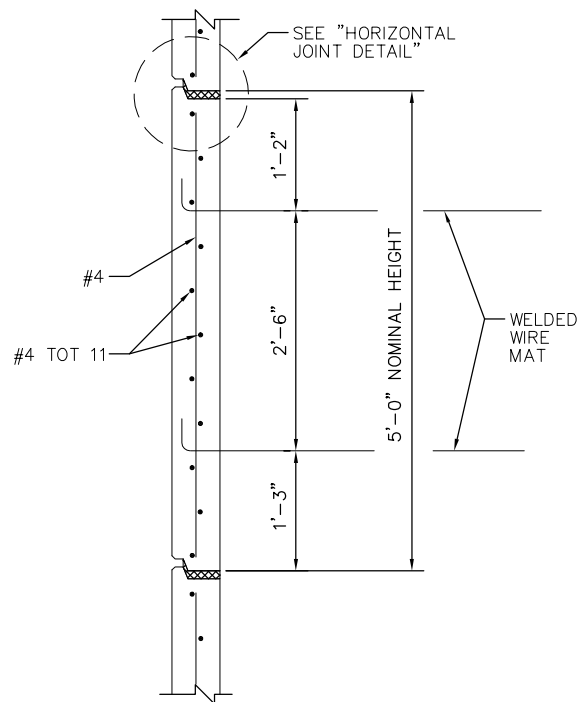


PLAN - FACING PANEL
3"=1'-0"

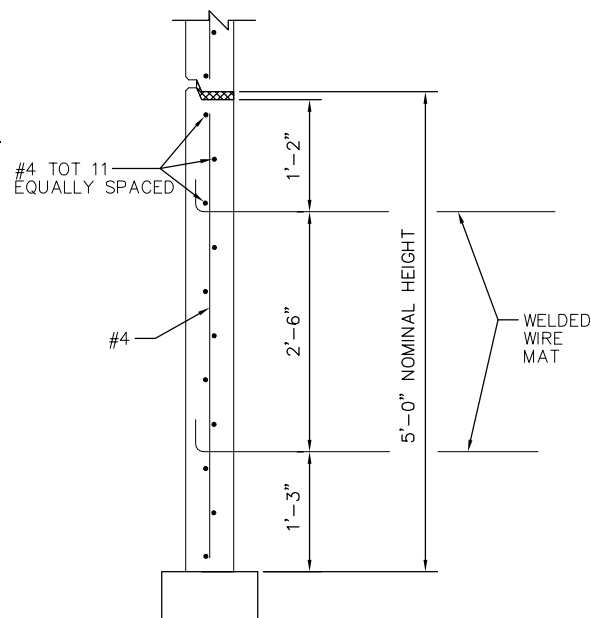
- NOTES:
1. ARCHITECTURAL PANEL FORMLINER DESIGN, SEE SHEETS SD401 THRU SD408.
 2. PLACE REINFORCED ELASTOMERIC BEARING PADS IN ALL OF THE PANEL JOINTS BETWEEN THE PANELS. PLACE ONE IN EACH VERTICAL JOINT WHERE THE HORIZONTAL JOINTS INTERSECT. PLACE TWO PER PANEL IN EACH HORIZONTAL JOINT:
3/4"x2.3/8"x6" FOR VERTICAL JOINTS
3/4"x4"x6" FOR HORIZONTAL JOINTS
 3. BOND A STRIP OF FILTER FABRIC, 1'-0" WIDE, OVER THE FULL LENGTH OF ALL PANEL JOINTS
 4. TOP LAYER OF WELDED WIRE MATS ATTACHED PARALLEL TO TOP OF PANEL WHEN TOP OF WALL IS ANGLED OR CURVED AS SHOWN ELSEWHERE IN "STRUCTURE PLANS"
 5. ELIMINATE MID LEVEL MAT WHEN CLOSER THAN 6" TO TOP MAT, CONTINUE VARIABLE DIMENSION BETWEEN REMAINING MATS



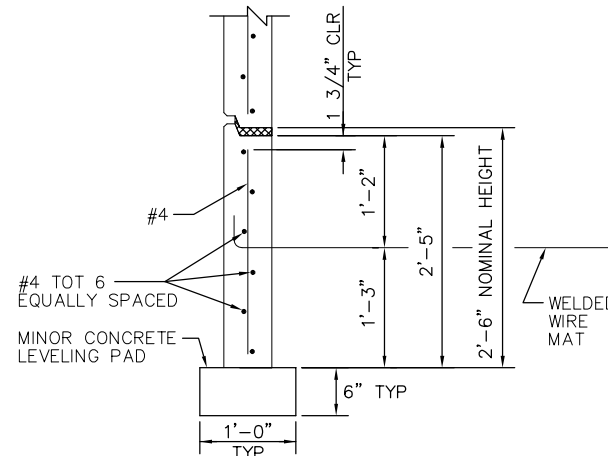
VERTICAL JOINT DETAIL
6"=1'-0"



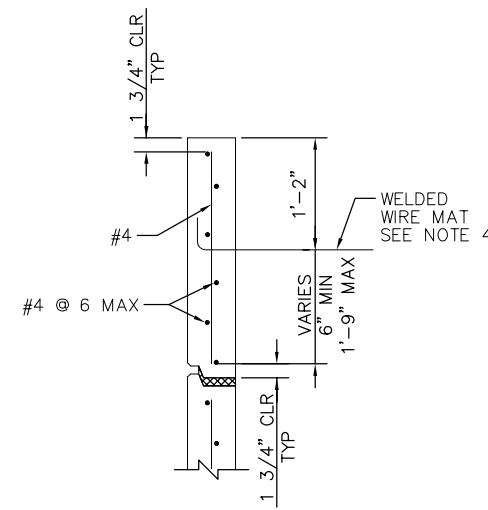
INTERMEDIATE PANEL
1"=1'-0"



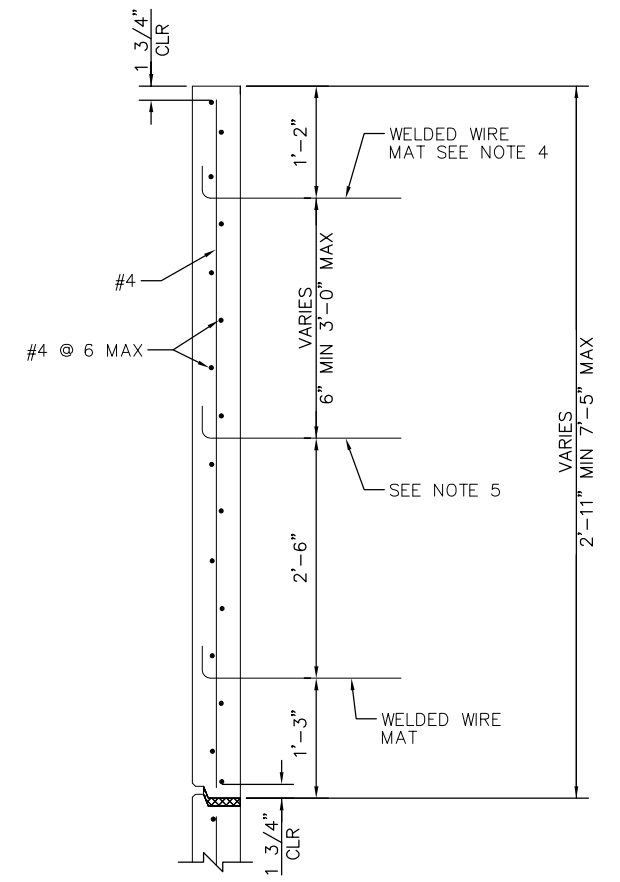
BOTTOM PANEL
1"=1'-0"



BOTTOM HALF PANEL
1"=1'-0"



TOP HALF PANEL
1"=1'-0"



TOP PANEL w/ MULTIPLE MATS
1"=1'-0"

H:\000\2020 - 10:17am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD388.dwg
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NO.	DATE	REVISIONS
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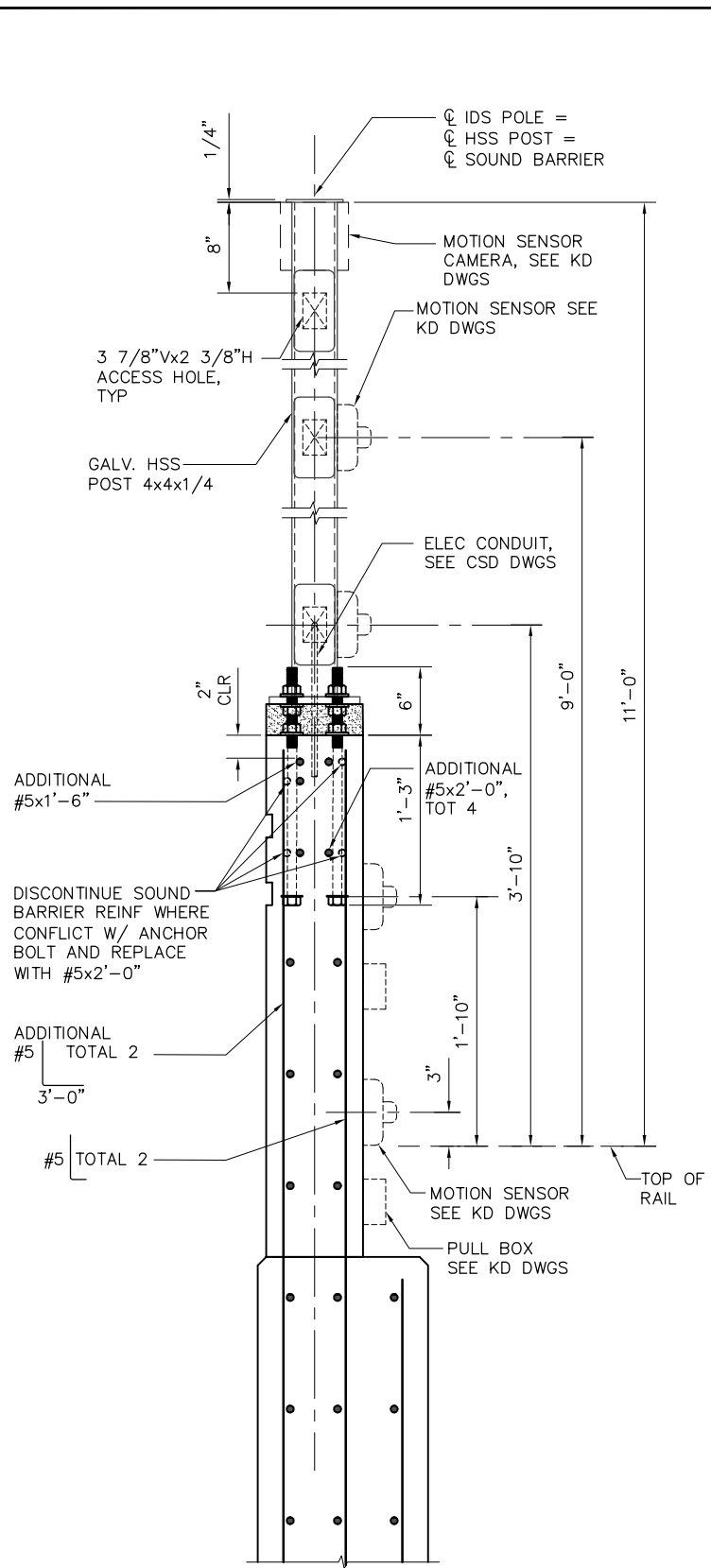
DESIGNED F. FRANCO	CHECKED J. SIERRA
DRAWN H. NUALLES	CADD FILE NAME 801SD388.dwg



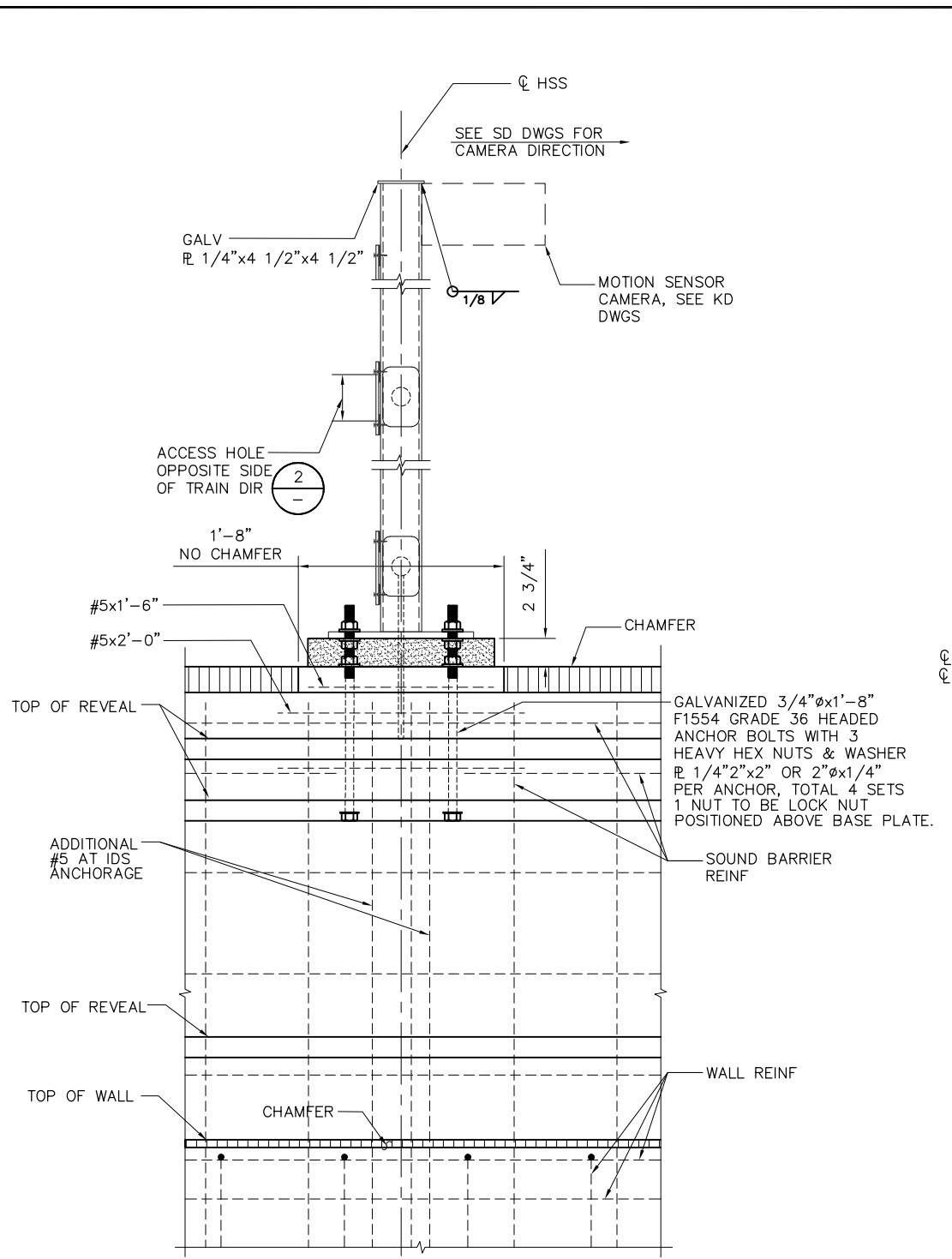
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	SCALE AS SHOWN
CADD FILE DATE 06/29/20	BOARD APPROVAL DATE
SUBMITTAL DATE 06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS MECHANICALLY STABILIZED EMBANKMENT DETAILS No. 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
SHEET OF DRAWING NO. SD388 REVISION C		

H:\proj\2018\060510\10-16cm MA SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12-05-12-20\DWG\SD\801SD389.dwg Jun 22, 2020 - 10:16am MA SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12-05-12-20\DWG\SD\801SD389.dwg

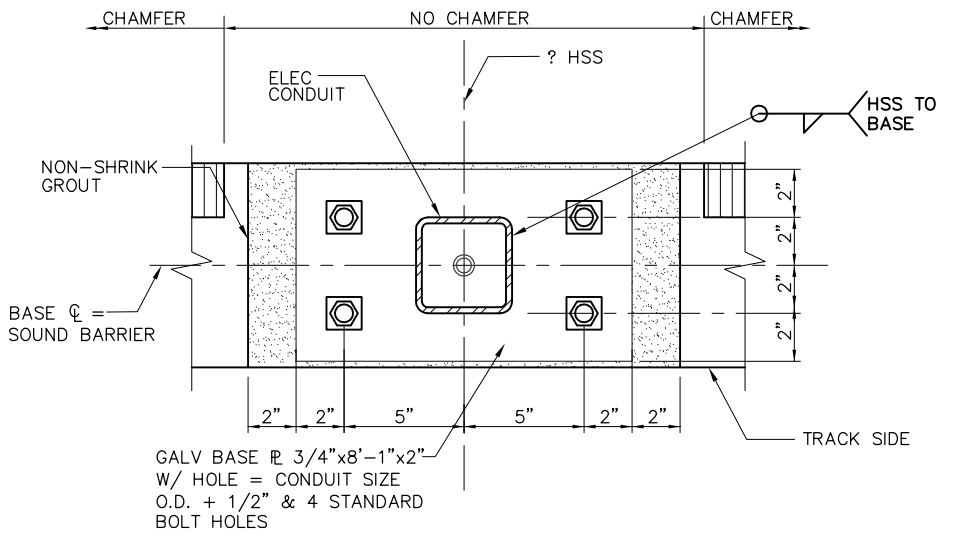


A
IDS POLE - DETAIL
1 1/2" = 1'-0"

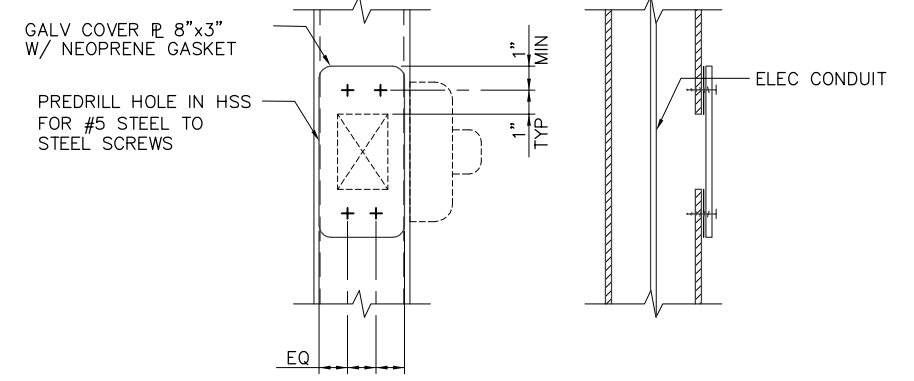


NOTE:
ALL EXTERIOR METAL
SHALL BE GALVANIZED

SIDE VIEW



1
BASE PLATE DETAIL
3" = 1'-0"



2
ACCESS HOLE DETAIL
3" = 1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET



DESIGNED: **F. FRANCO**
DRAWN: **H. NUALLES**

CHECKED: **J. SIERRA**
CADD FILE NAME: **801SD389.DWG**

SIERRA ENGINEERING GROUP
TEL: 510.445.0550
39812 MISSION BLVD, SUITE 100
FREMONT, CA 94539
FAX: 510.445.0440



APPROVED: **BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS**

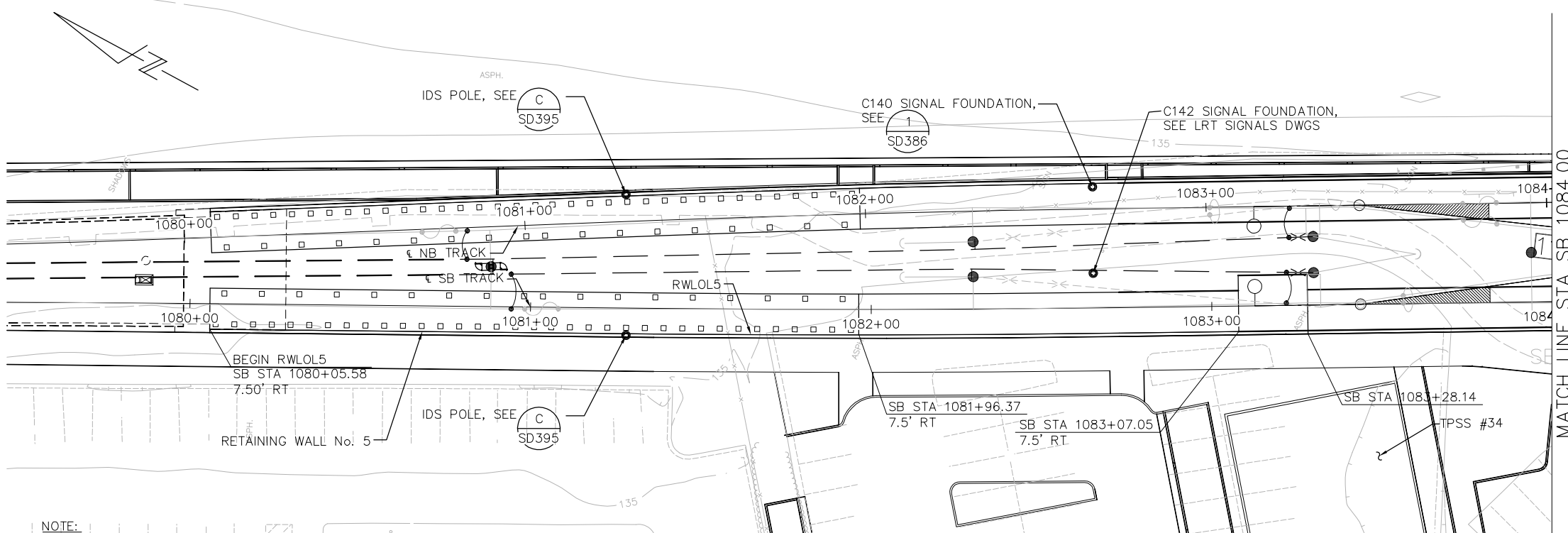
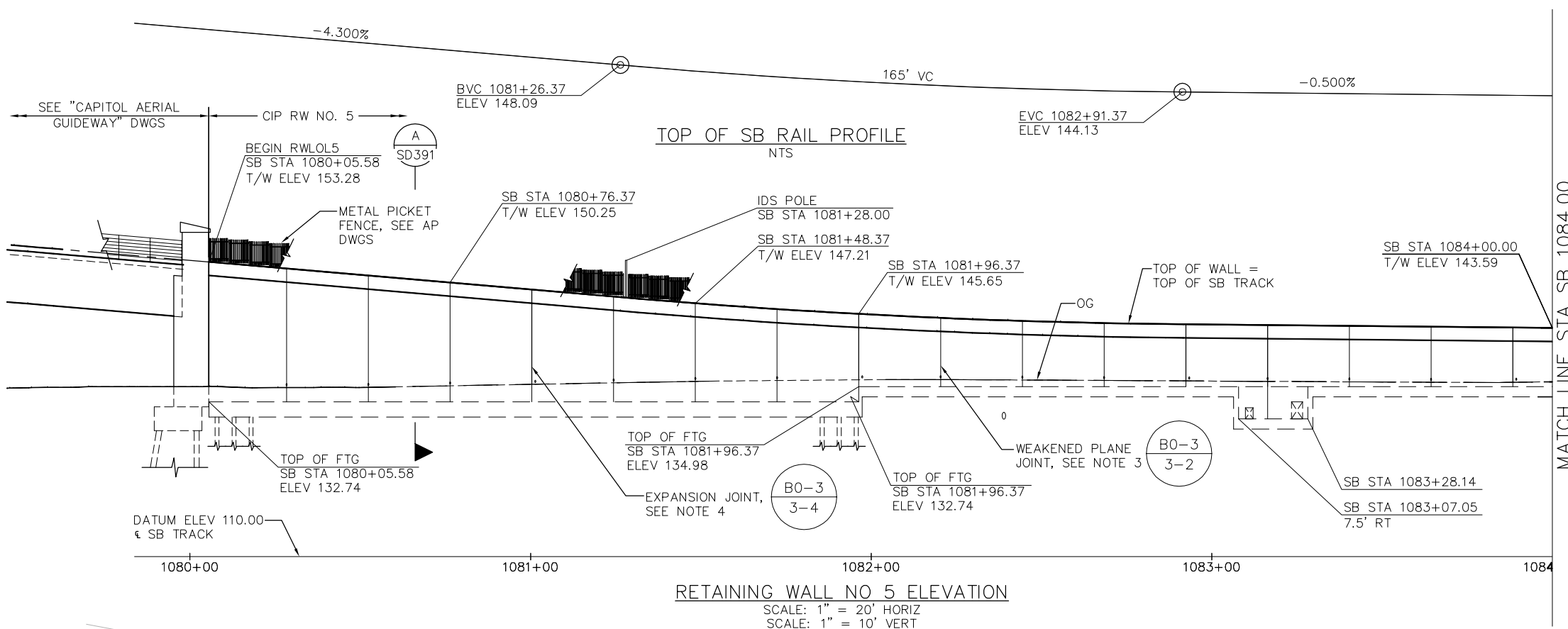
CADD FILE DATE: **06/29/20**
SUBMITTAL DATE: **06/29/20**

SCALE: **NTS**
BOARD APPROVAL DATE: []

**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
CAPITOL - STORY AERIAL GUIDEWAY
NORTH APPROACH WALLS
IDS POLE DETAILS**

PCA NO.: **000**
CONTRACT NO.: **C801**
FILE LOCATION: **PROJECTWISE**

SHEET OF
DRAWING NO. SD389
REVISION C



NOTE:
FOR RETAINING WALL NOTES, SEE SHEET SP380.

PLAN
SCALE: 1" = 20'

MATCH LINE STA SB 1084.00

MATCH LINE STA SB 1084.00

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NO.	DATE	REVISIONS
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SIERRA ENGINEERING GROUP

DESIGNED BY: F. FRANCO
CHECKED BY: J. SIERRA

DRAWN BY: H. NUALLES
CADD FILE NAME: 801SP391.dwg

TEL: 510.445.0550
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FREMONT, CA 94539
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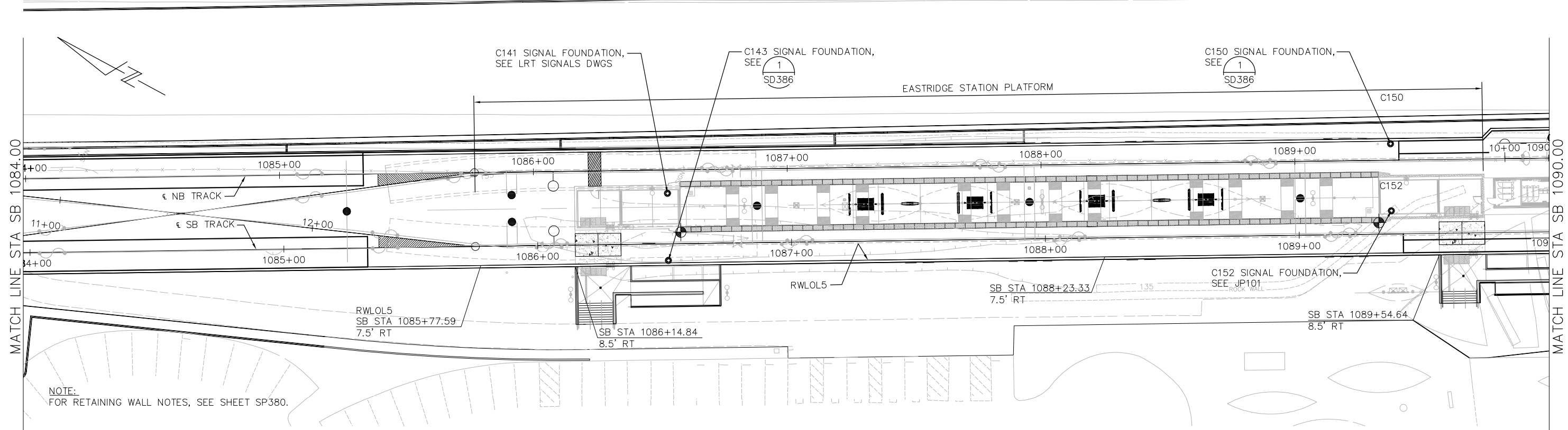
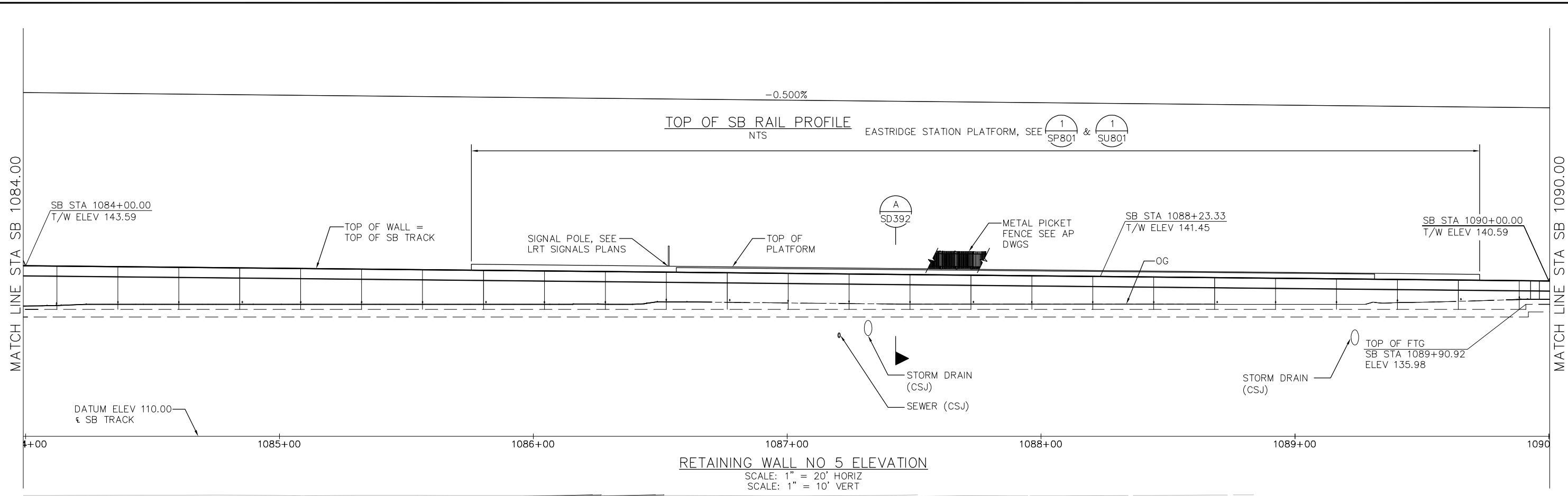
CADD FILE DATE: 06/29/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 20'
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
SOUTH APPROACH WALLS
RETAINING WALL PLAN No. 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SP391 REVISION C



PLAN
SCALE: 1" = 20'

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NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



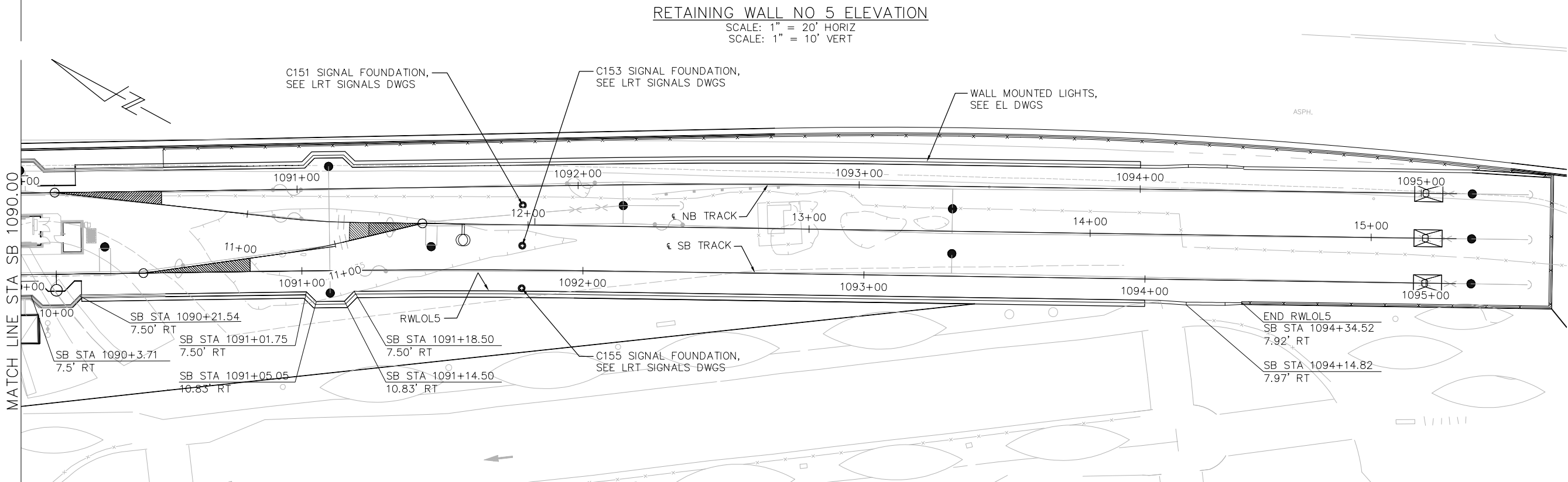
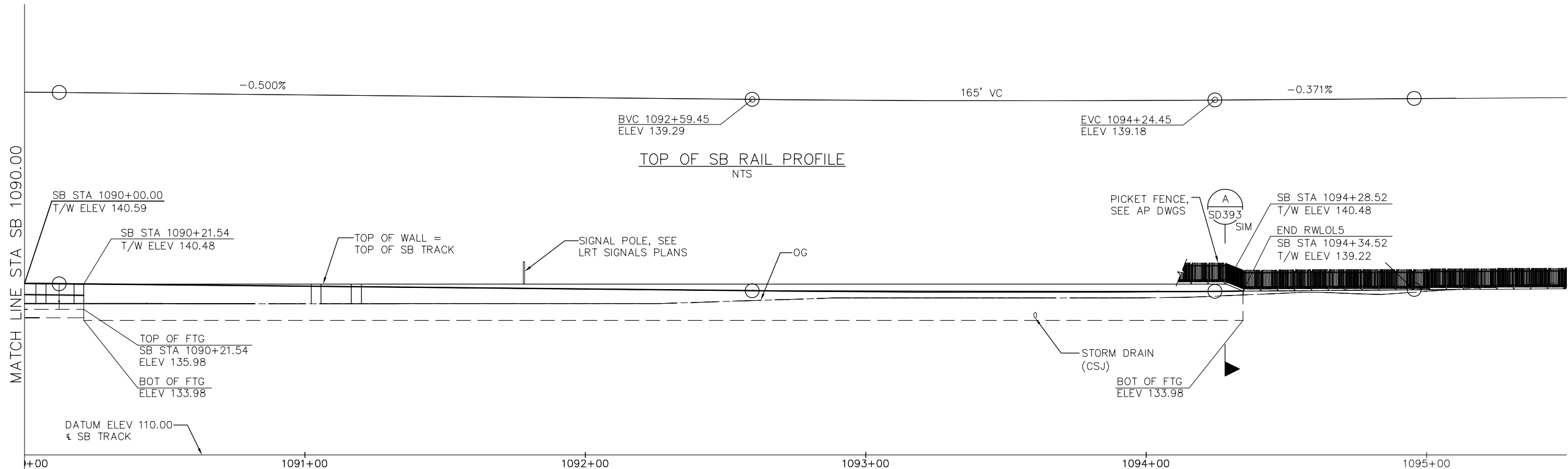
DESIGNED: F. FRANCO
 DRAWN: H. NUALLES
 CHECKED: J. SIERRA
 CADD FILE NAME: 801SP392.dwg
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
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 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1" = 20'
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL SOUTH APPROACH WALLS RETAINING WALL PLAN No. 2			SHEET OF DRAWING NO. SP392 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

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NOTE:
FOR RETAINING WALL NOTES, SEE SHEET SP380.

PLAN
SCALE: 1" = 20'

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



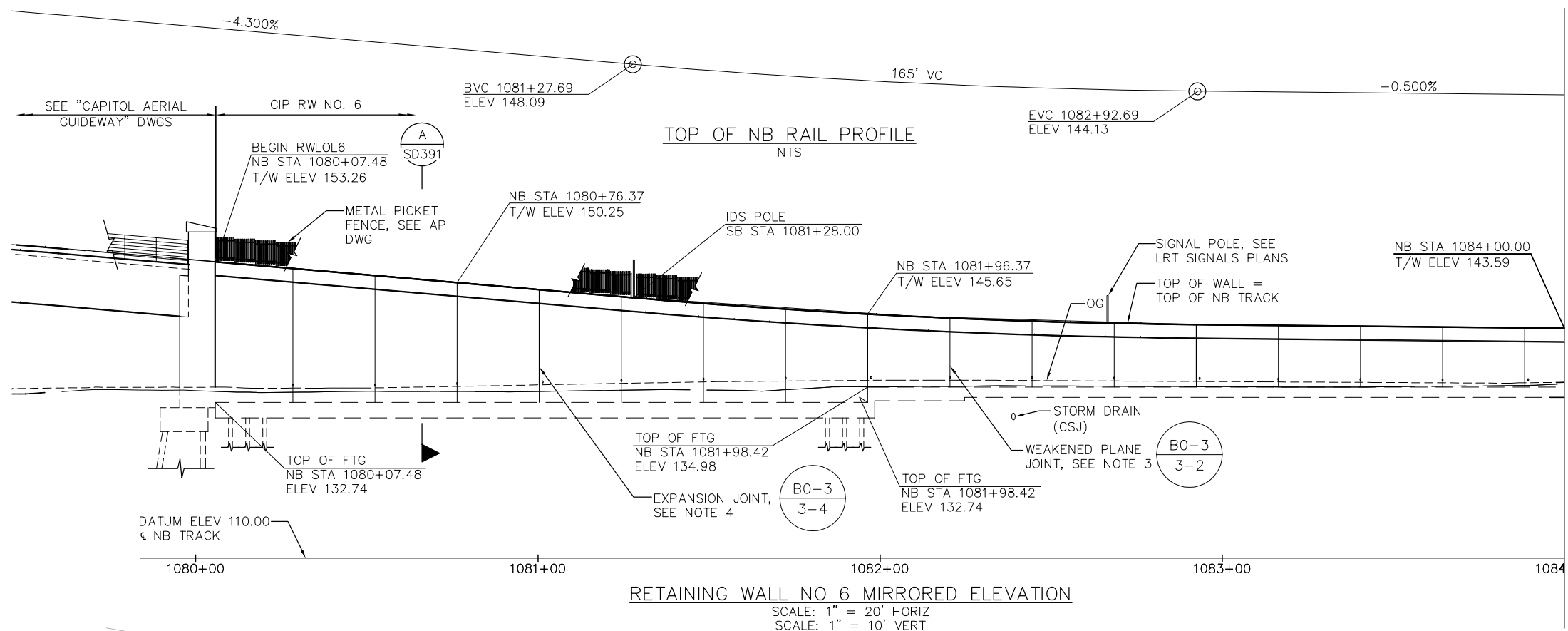
DESIGNED: F. FRANCO DRAWN: H. NUALLES		CHECKED: J. SIERRA CADD FILE NAME: 801SP393.dwg	
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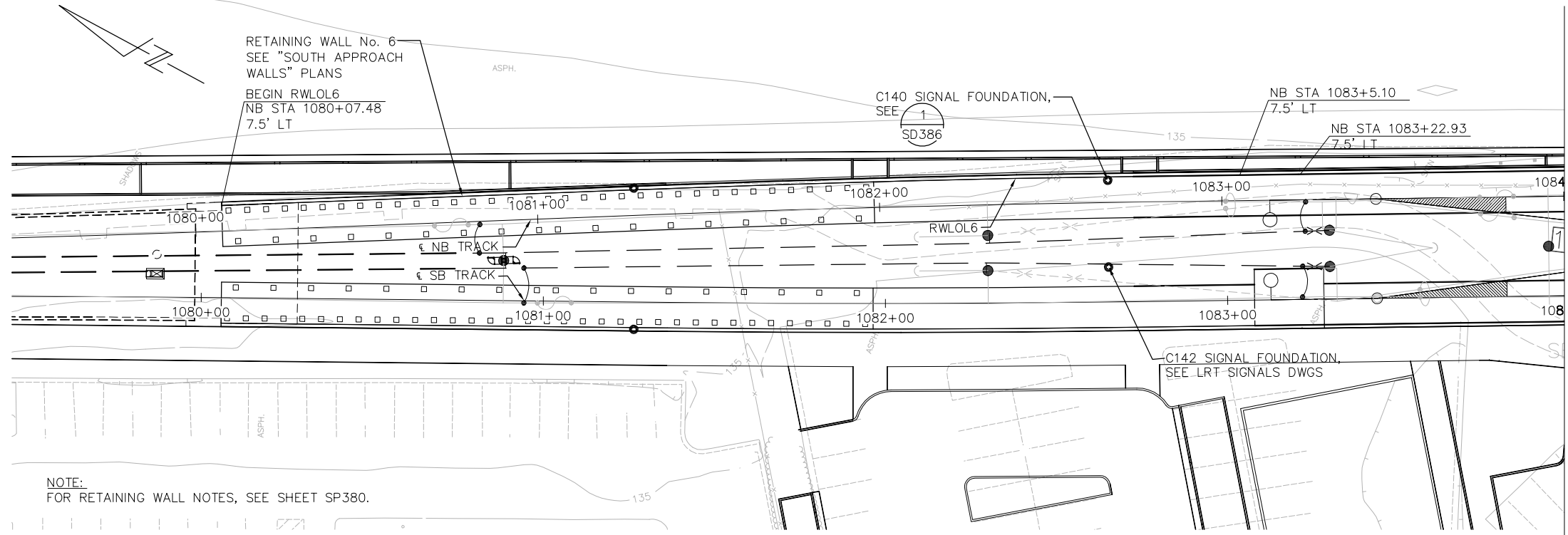
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SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL SOUTH APPROACH WALLS RETAINING WALL PLAN No. 3		
PCA NO.: 000	CONTRACT NO.: C801	FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SP393
REVISION	C



RETAINING WALL NO 6 MIRRORED ELEVATION
 SCALE: 1" = 20' HORIZ
 SCALE: 1" = 10' VERT



PLAN
 SCALE: 1" = 20'

NOTE:
 FOR RETAINING WALL NOTES, SEE SHEET SP380.

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DRAWN	H. NUALLES	CADD FILE NAME	801SP394.dwg



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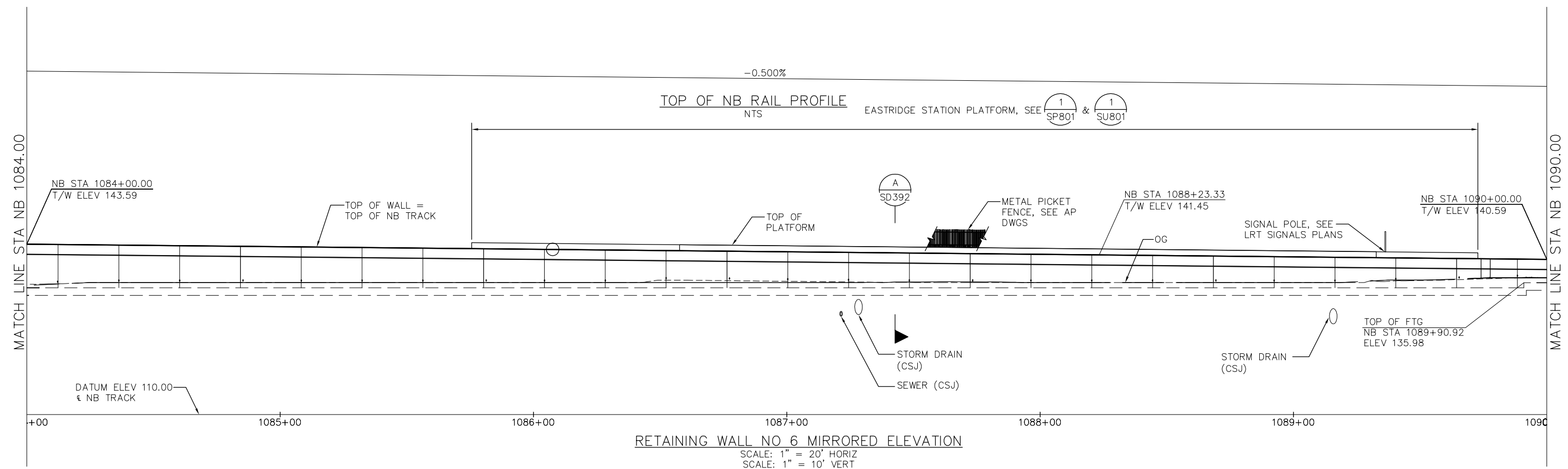
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20

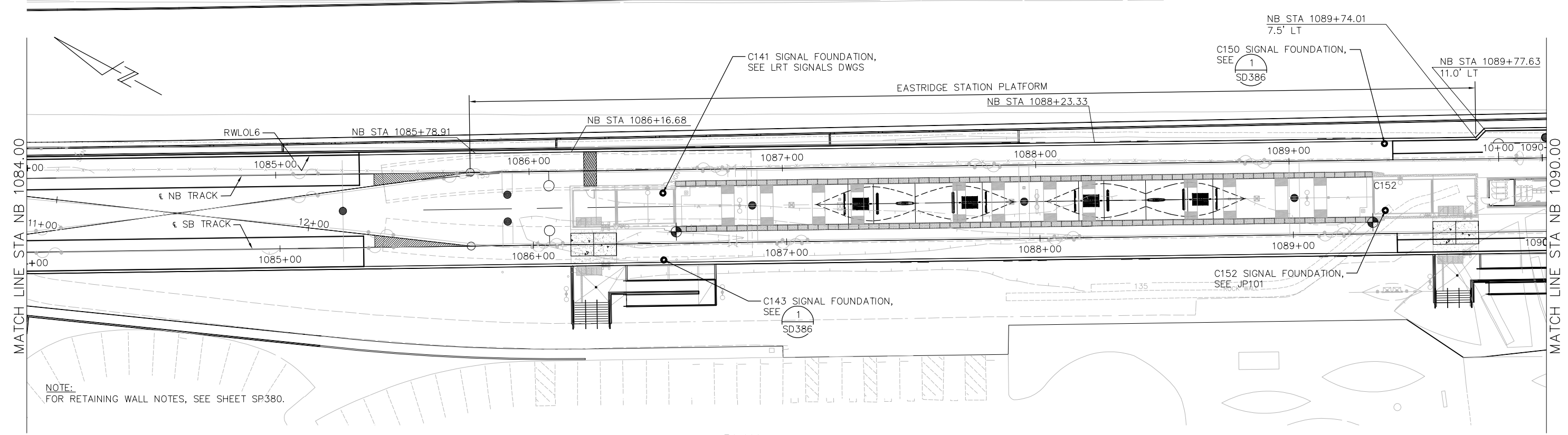
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EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL SOUTH APPROACH WALLS RETAINING WALL PLAN No. 4			SHEET OF DRAWING NO. SP394 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

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 Jun 22, 2020



RETAINING WALL NO 6 MIRRORED ELEVATION
 SCALE: 1" = 20' HORIZ
 SCALE: 1" = 10' VERT



PLAN
 SCALE: 1" = 20'

NOTE: FOR RETAINING WALL NOTES, SEE SHEET SP380.

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
SIERRA ENGINEERING GROUP
 DESIGNED: F. FRANCO
 DRAWN: H. NUALLES
 CHECKED: J. SIERRA
 CADD FILE NAME: 801SP395.dwg
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440

Santa Clara Valley Transportation Authority

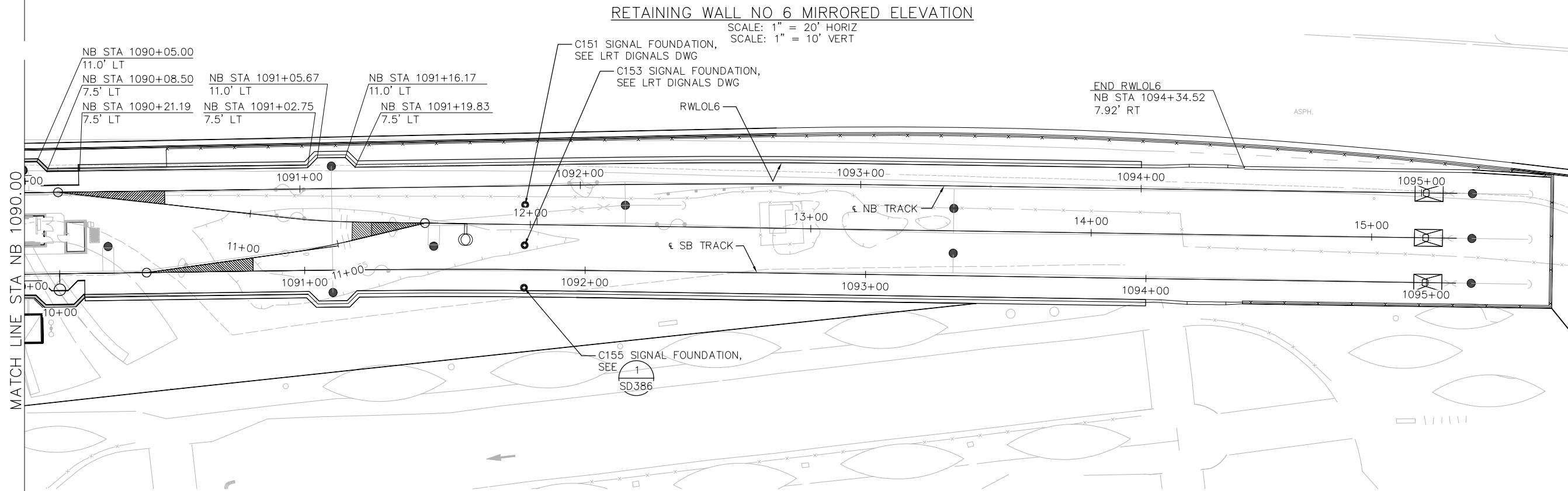
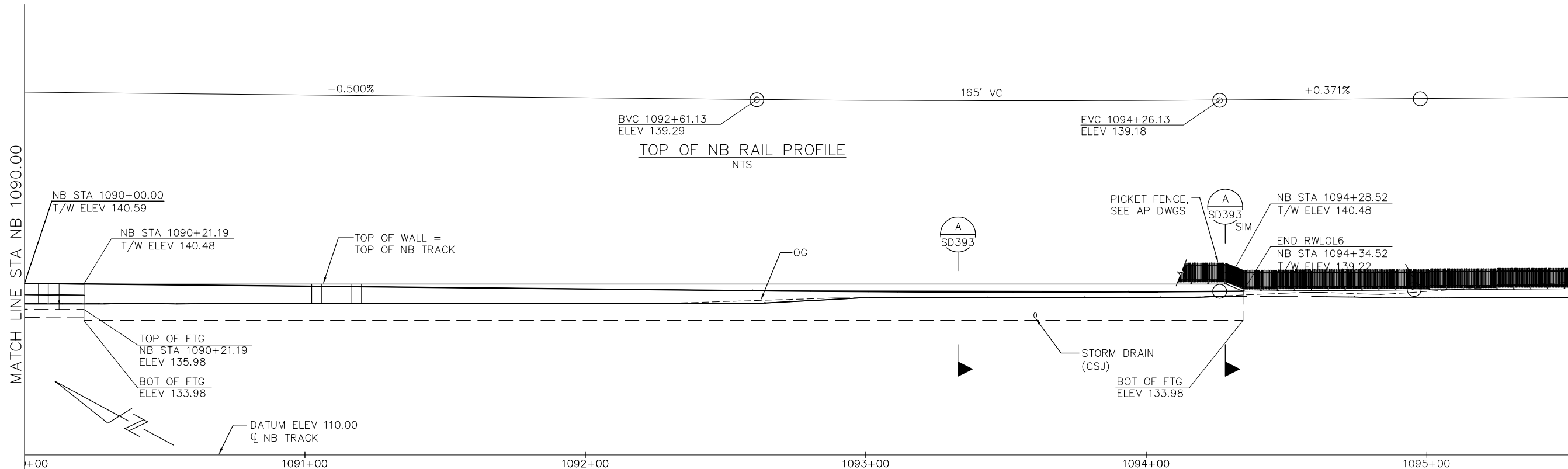
APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1" = 20'
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
SOUTH APPROACH WALLS
RETAINING WALL PLAN No. 5

SHEET OF
 DRAWING NO. SP395
 REVISION C

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

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NOTE:
FOR RETAINING WALL NOTES, SEE SHEET SP380.

PLAN
SCALE: 1" = 20'

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED F. FRANCO	CHECKED J. SIERRA
DRAWN H. NUALLES	CADD FILE NAME 801SP396.dwg

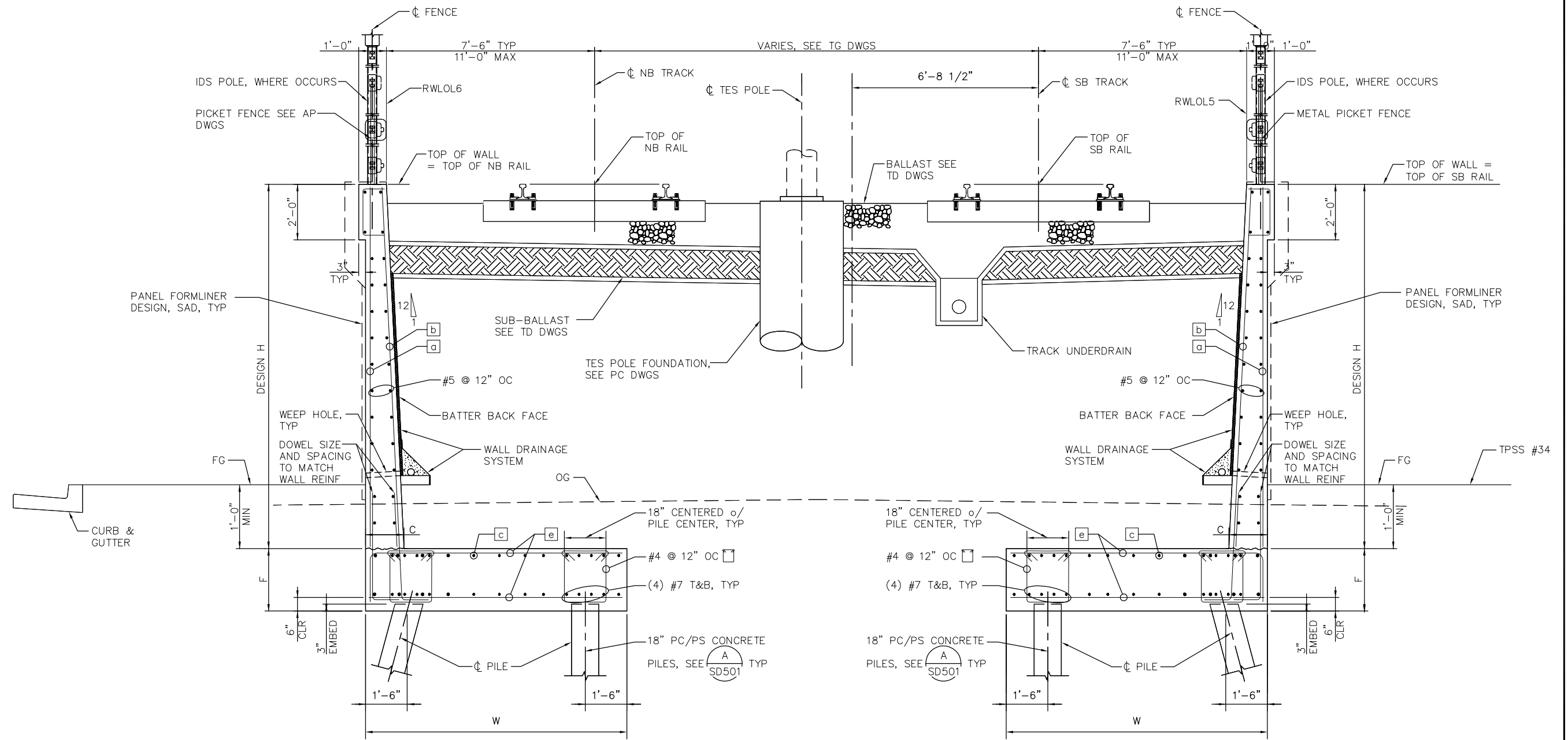


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE 1" = 20'
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL SOUTH APPROACH WALLS RETAINING WALL PLAN No. 6		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SP396
REVISION C	

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(A) TYPICAL SECTION - CIP RETAINING WALL
 - 1/2" = 1'-0"

RETAINING WALL				STATION					
H (MAX) (FT)	F (FT)	C (MIN) (IN)	W (FT)	REINFORCING				RW No. 5	RW No. 6
				(*a)	(*b)	c	e		
20	3	30	12	#6 @ 12" OC	#7 @ 4" OC	#6 @ 12" OC	#8 @ 6" OC	SB STA 1080+05.58 TO SB STA 1080+87.50	NB STA 1080+07.48 TO NB STA 1081+91.00
17	2.5	26	12	#6 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#8 @ 6" OC	SB STA 1080+87.50 TO SB STA 1081+62.00	NB STA 1080+91.00 TO NB STA 1081+66.00
14	2	23	12	#6 @ 12" OC	#6 @ 6" OC	#5 @ 12" OC	#6 @ 6" OC	SB STA 1081+62.00 TO SB STA 1081+96.37	NB STA 1081+66.00 TO NB STA 1081+98.42

[c] OMIT LONG BARS ALONG CONC BEAM o/ THE PIER.
 (*a)+(*b) BARS:
 H ≤ 6'-0", NO SPLICES ARE ALLOWED WITHIN 2'-6" ABOVE THE TOP OF FOOTING.
 H ≥ 6'-0", NO SPLICES ARE ALLOWED WITHIN H/4 ABOVE THE TOP OF FOOTING.



SUBMITTED
 SIERRA ENGINEERING GROUP
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 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
 CADD FILE NAME: 801SD391.dwg

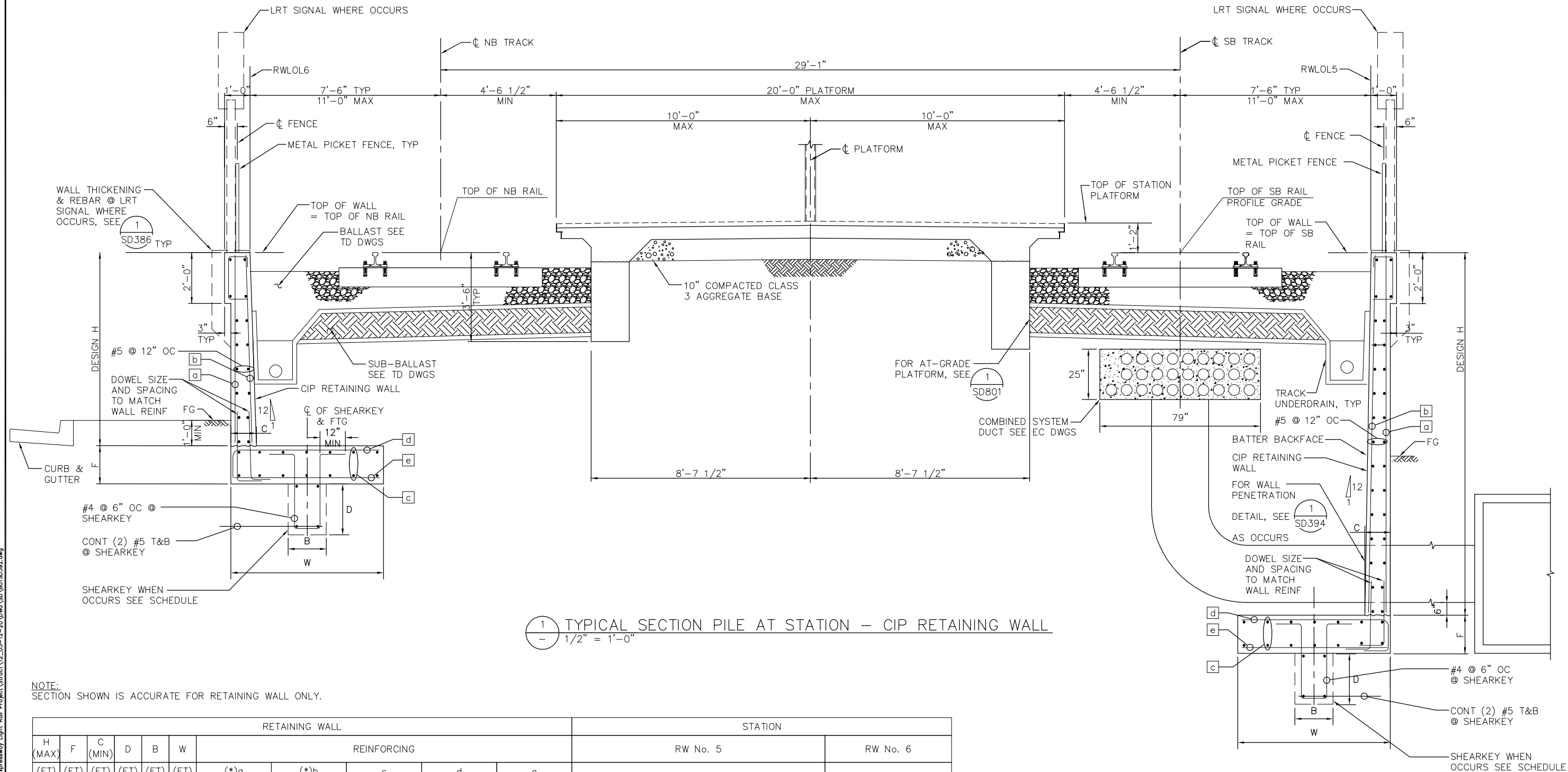


APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/2" = 1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 SOUTH APPROACH WALLS
 RETAINING WALL DETAILS No. 1
 PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

SHEET OF
 DRAWING NO. SD391
 REVISION C

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 Jun 22, 2020 - 10:10am M:\SEG_ARCHIVE\2018 Projects\Struct\12_05-12-20\DWG\SD_801SD392.dwg



1 TYPICAL SECTION PILE AT STATION – CIP RETAINING WALL
 1/2" = 1'-0"

NOTE:
 SECTION SHOWN IS ACCURATE FOR RETAINING WALL ONLY.

RETAINING WALL						STATION						
H (MAX)	F	C (MIN)	D	B	W	REINFORCING				RW No. 5	RW No. 6	
(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(*)a	(*)b	c	d	e		
14	3	1.7	0	0	16.5	#5 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#8 @ 4" OC	#6 @ 6" OC	SB STA 1083+07.85 TO SB STA 1083+28.14	NB STA 1081+96.37 TO NB STA 1082+29.00
12	2	1.2	0	0	12	#5 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#7 @ 4" OC	#5 @ 6" OC	SB STA 1081+96.37 TO SB STA 1083+07.85 & SB STA 1085+33.00	NB STA 1081+96.37 TO NB STA 1055+33.00
8	1.5	-	0	0	7.5	#5 @ 12" OC	#7 @ 6" OC	#5 @ 12" OC	#7 @ 6" OC	#5 @ 6" OC	SB STA 1055+33.00 TO SB STA 1089+41.00	NB STA 1055+33.00 TO NB STA 1089+41.00
6	1.5	-	2	1.5	5	#5 @ 12" OC	#6 @ 12" OC	#5 @ 12" OC	#6 @ 6" OC	#5 @ 6" OC	SB STA 1089+41.00 TO SB STA 1090+21.54	NB STA 1089+41.00 TO NB STA 1090+21.19

(*)a+(*)b BARS:
 H ≤ 6'-0", NO SPLICES ARE ALLOWED WITHIN 2'-6" ABOVE THE TOP OF FOOTING.
 H ≥ 6'-0", NO SPLICES ARE ALLOWED WITHIN H/4 ABOVE THE TOP OF FOOTING.

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
 SIERRA ENGINEERING GROUP
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 FAX: 510.445.0440

DESIGNED: F. FRANCO
 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
 CADD FILE NAME: 801SD392.dwg



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

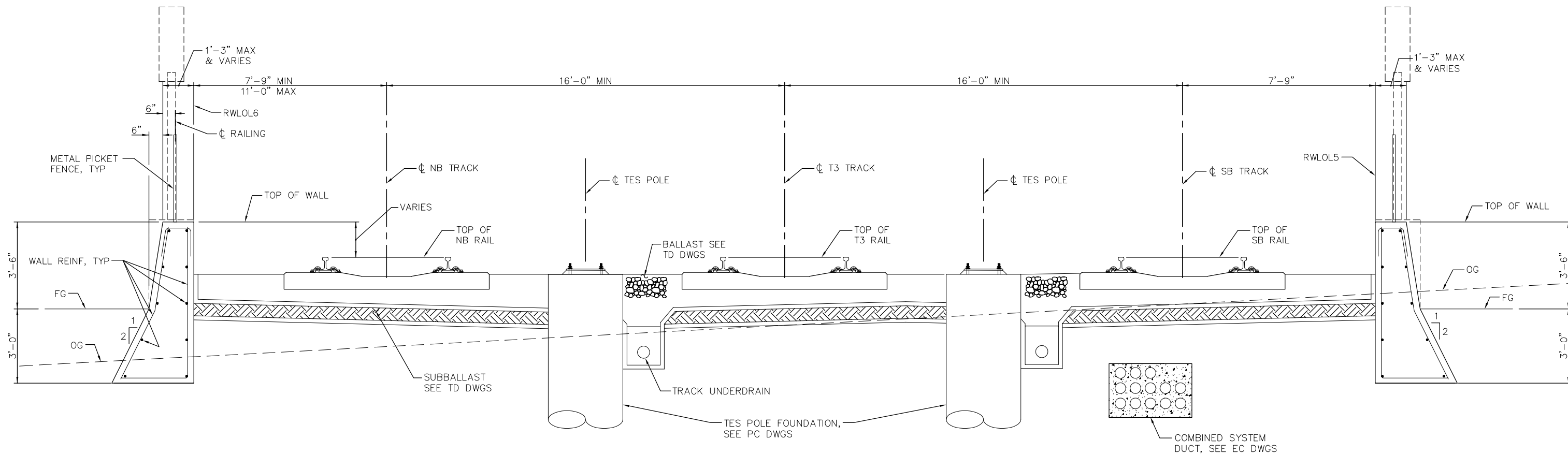
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 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 SOUTH APPROACH WALLS
 RETAINING WALL DETAILS No. 2

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

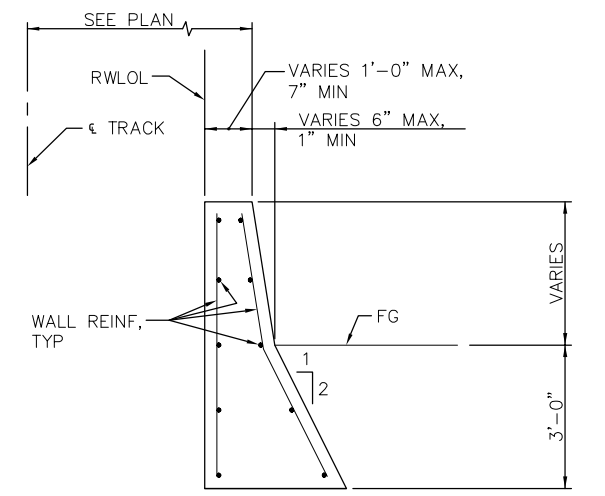
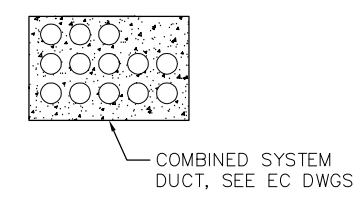
SHEET OF	SD392
DRAWING NO.	SD392
REVISION	C

H:\2020 - 10-10am M.A.\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD393.dwg



SB STA 1090+21.54 TO SB STA 1084+34.52
 NB STA 1090+21.19 TO NB STA 1084+34.52
 (A) TYPICAL SECTION - CIP RETAINING WALL
 - 1/2" = 1'-0"


NOTE:
 SECTION SHOWN IS ACCURATE FOR RETAINING WALL ONLY.



(B) SECTION
 - 6" = 1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

 SIERRA ENGINEERING GROUP
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440

DESIGNED: F. FRANCO
 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
 CADD FILENAME: 801SD393.dwg

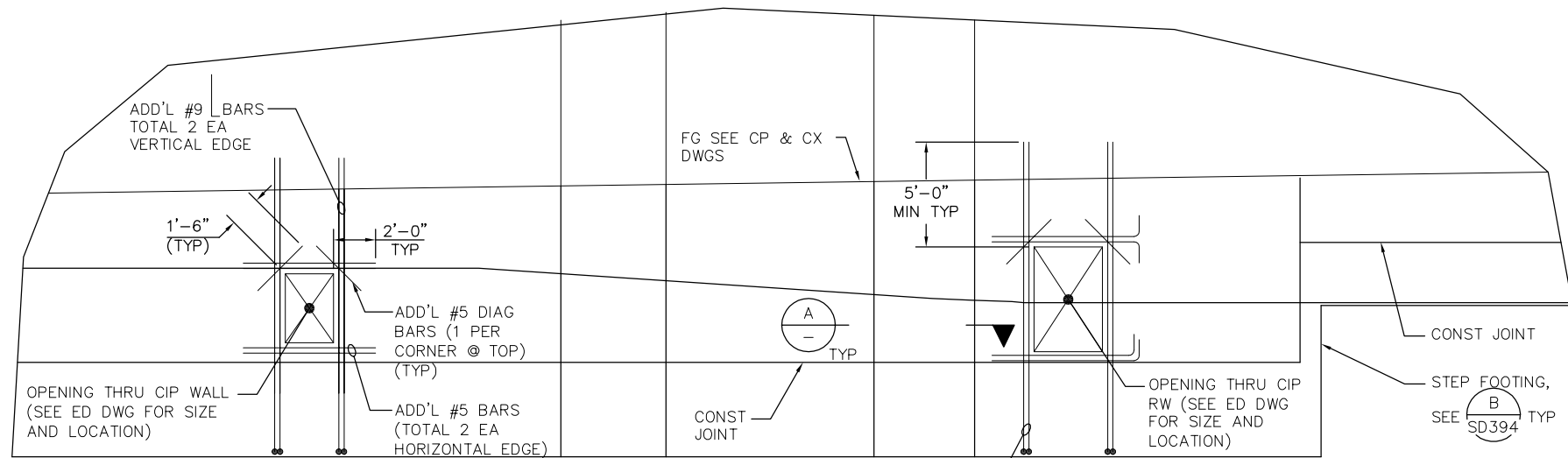


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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

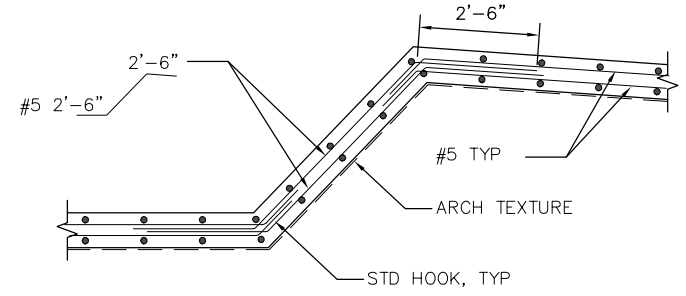
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL SOUTH APPROACH WALLS RETAINING WALL DETAILS No. 3			SHEET OF DRAWING NO. SD393 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



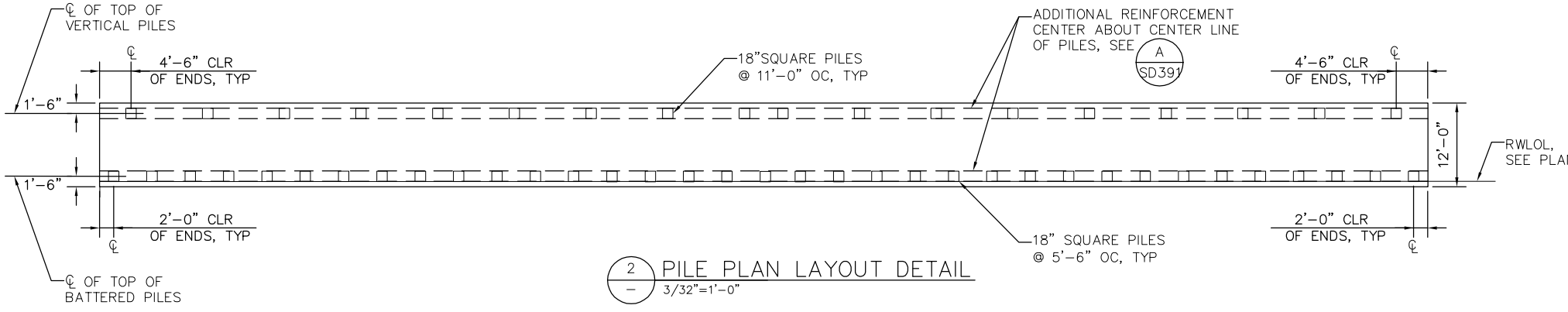
NOTES:

1. NORMAL REINFORCING BARS IN CIP RW AND FDN PILES NOT SHOWN FOR CLARITY.
2. TERMINATE NORMAL REINFORCING BARS AT OPENINGS w/ 90° HOOKS.
3. ADD'L BAR TO OCCUR ON EACH FACE OF WALL.

1
-
1/4"=1'-0"



A
-
1/2"=1'-0"



2
-
3/32"=1'-0"

RAIL LINE SLIDE	START ("SB" STATION)	END ("SB" STATION)	NOMINAL RESISTANCE (iii), (iv) (KIPS)				DESIGN TIP ELEV. (i) (FT)	SPECIFIED TIP ELEV. (FT)	REQUIRED NOMINAL DRIVING RESISTANCE (KIPS)(ii)
			STRENG LIMIT ((ϕ_{qs} & ϕ_{pq}) = 0.7)		EXTREME EVENT ((ϕ_{qs} & ϕ_{pq}) = 1.0)				
			COMP	TENSION	COMP	TENSION			
SOUTHBOUND AND NORTHBOUND	1080+05.87	1080+88.00	360	0	190	0	69 (a-I), 86 (a-II), 92 (b)	69	385
SOUTHBOUND AND NORTHBOUND	1080+88.00	1081+60.00	290	0	150	0	88 (a-I), 103(a-II), 118 (b)	88	340
SOUTHBOUND AND NORTHBOUND	1081+60.00	1081+96.37	220	0	120	0	93 (a-I), 107 (a-II), 120 (b)	93	260

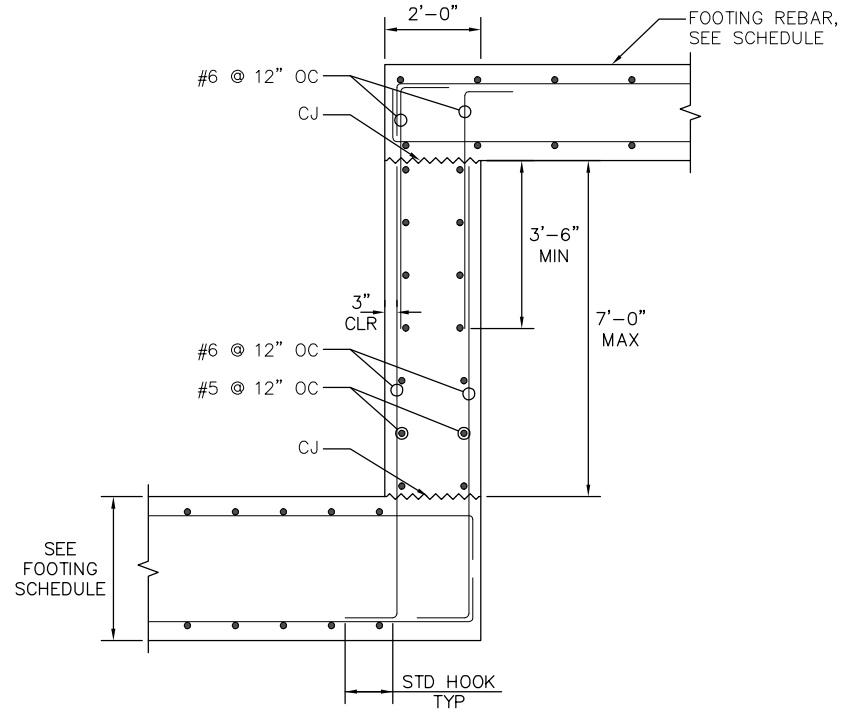
- NOTES:**
- INDICATES PILES, SEE SHEET SD501 FOR ADDITIONAL PILE INFORMATION.

(i) DESIGN TIP ELEVATIONS ARE CONTROLLED BY (a-I) COMPRESSION (STRENGTH LIMIT), (a-II) COMPRESSION (EXTREME EVENT), (b) SETTLEMENT.

(ii) THE NOMINAL DRIVING RESISTANCE REQUIRED IS EQUAL TO THE NOMINAL RESISTANCE NEEDED TO SUPPORT THE FACTORED LOAD PLUS DRIVING RESISTANCE FROM THE PENETRATED SOIL LAYERS, IF ANY, WHICH DO NOT CONTRIBUTE TO THE DESIGN RESISTANCE.

(iii) COLUMN HEADING MODIFIED FROM REQUIRED FACTORED NOMINAL RESISTANCE TO NOMINAL RESISTANCE.

(iv) RESISTANCE FACTOR FOR ϕ_{qs} IS FOR SKIN FRICTION AND ϕ_{pq} IS FOR END BEARING.



B
-
1/2"=1'-0"

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

SIERRA ENGINEERING GROUP

TEL: 510.445.0550
39812 MISSION BLVD, SUITE 100
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FAX: 510.445.0440

DESIGNED: F. FRANCO
CHECKED: J. SIERRA
DRAWN: H. NUALLES
CADD FILENAME: 801SD394.dwg

Santa Clara Valley Transportation Authority

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BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/29/20
SUBMITTAL DATE: 06/29/20

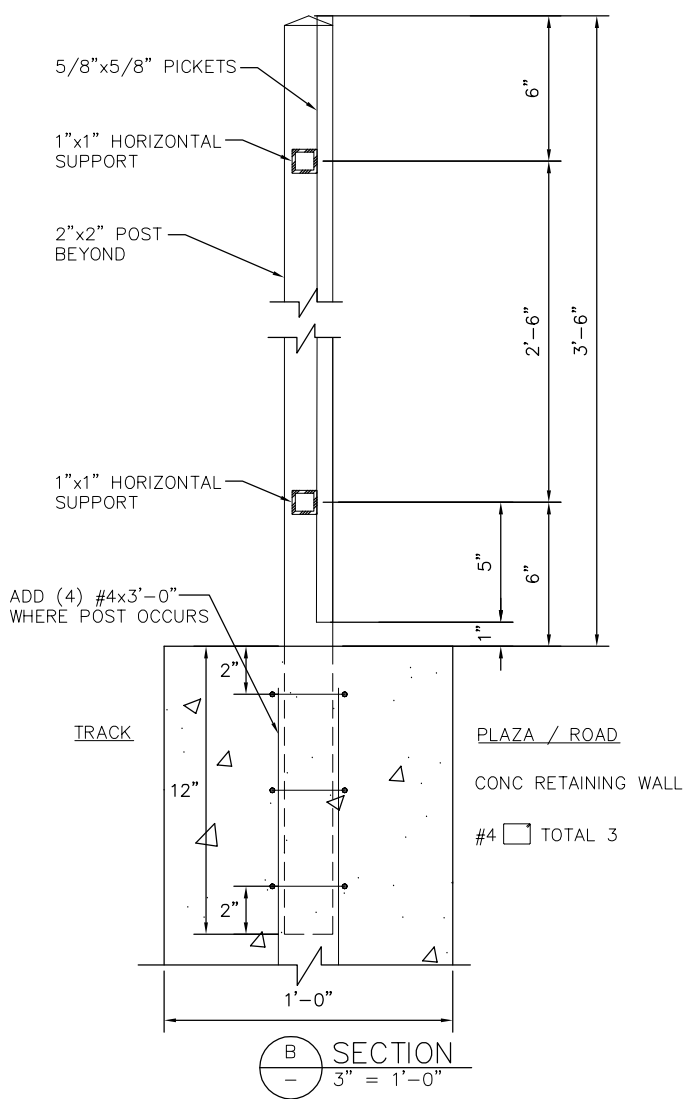
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BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
SOUTH APPROACH WALLS
RETAINING WALL DETAILS No. 4

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

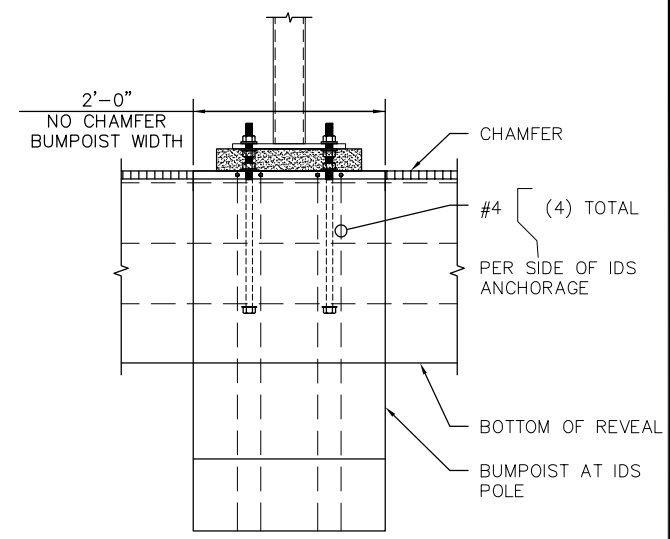
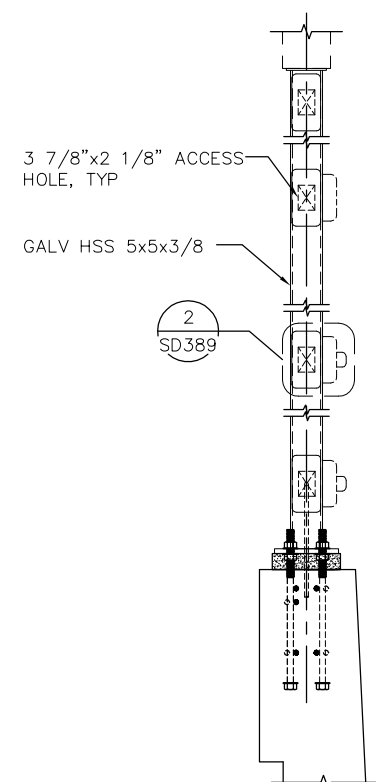
SHEET OF DRAWING NO. SD394 REVISION C

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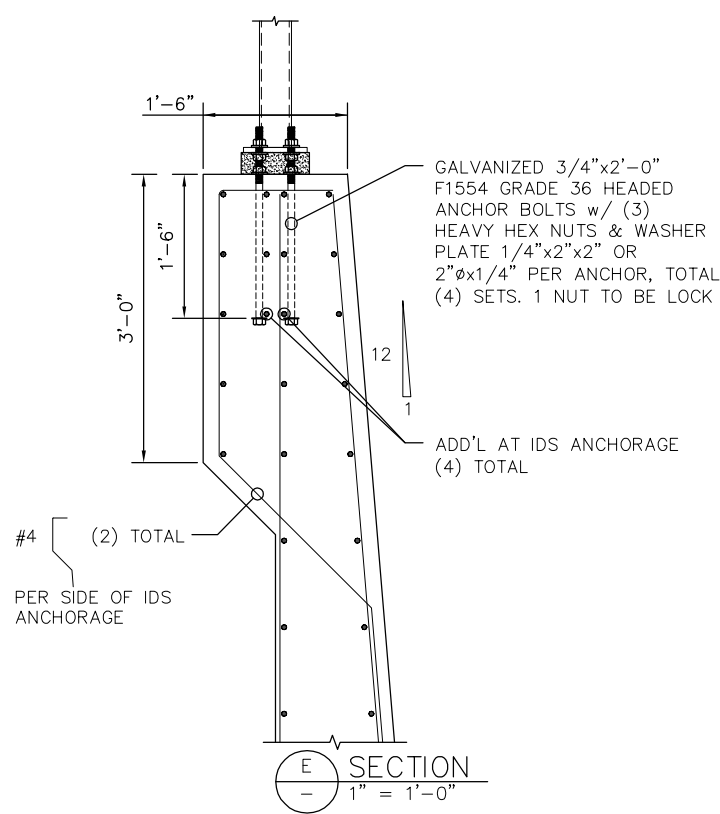


(B) SECTION
 3" = 1'-0"

(C) IDS POLE: CAST IN PLACE ANCHOR ROD OPTION
 1" = 1'-0"



(D) SECTION
 1" = 1'-0"



(E) SECTION
 1" = 1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DESIGNED	CHECKED
F. FRANCO	J. SIERRA
DRAWN	CADD FILENAME
H. NUALLES	801SD395.dwg

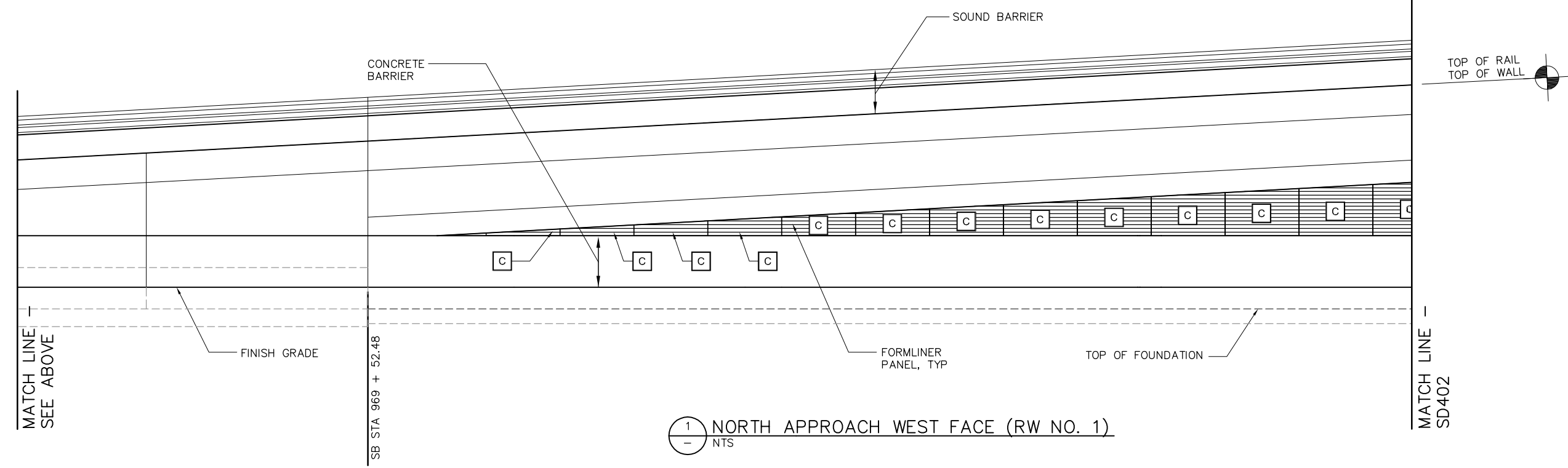
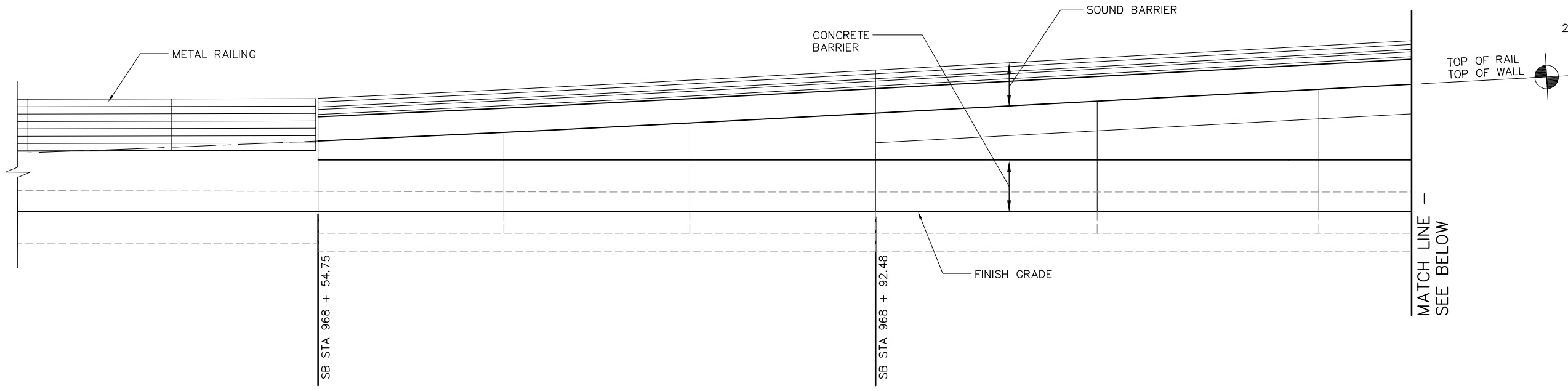


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL SOUTH APPROACH WALLS RETAINING WALL DETAILS No. 5		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD395
REVISION	C

- NOTES:
1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
 2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.



1 NORTH APPROACH WEST FACE (RW NO. 1)
- NTS

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
SIERRA ENGINEERING GROUP
 DESIGNED: F. FRANCO
 DRAWN: H. NUALLES
 CHECKED: J. SIERRA
 CADD FILE NAME: 801SD401.DWG
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440

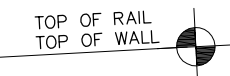


APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 CAPITOL - STORY AERIAL GUIDEWAY
 NORTH APPROACH WALLS
 MSE WALL WEST FACE 1
 PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	
DRAWING NO.	SD401
REVISION	C

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- NOTES:
1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
 2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.

MATCH LINE
SEE SD401

MATCH LINE
SEE BELOW

MATCH LINE
SEE ABOVE

1 NORTH APPROACH WEST FACE (RW NO. 2)
- NTS

SB STA 972 + 00.48

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED F. FRANCO	CHECKED J. SIERRA
DRAWN H. NUALLES	CADD FILE NAME 801SD402.DWG

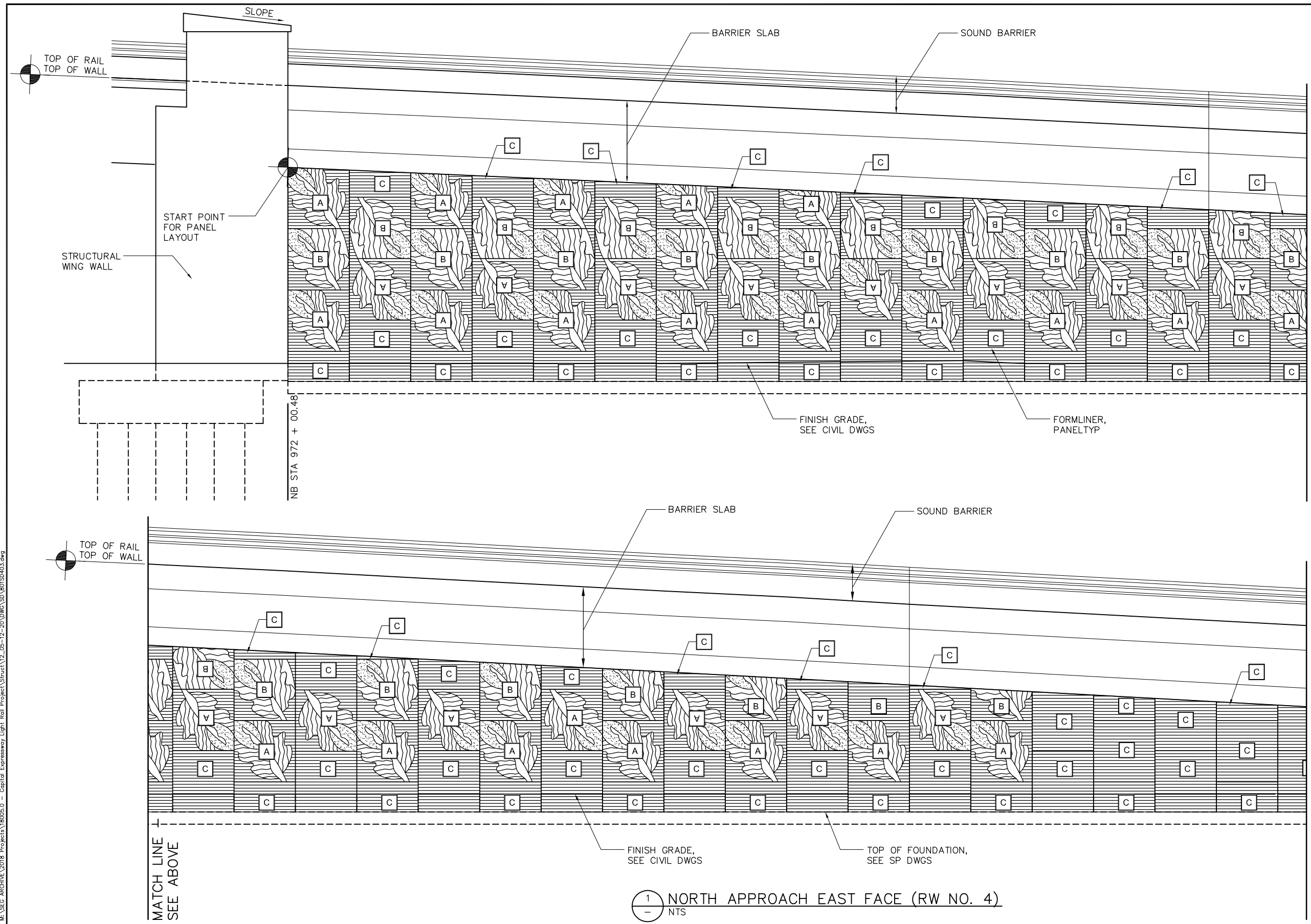


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE 1/4"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT NORTH APPROACH WALLS MSE WALL WEST FACE 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SD402
REVISION C	

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- NOTES:**
1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
 2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.

1 NORTH APPROACH EAST FACE (RW NO. 4)
- NTS

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED: F. FRANCO
 DRAWN: H. NUALLES
 CHECKED: J. SIERRA
 CADD FILE NAME: 801SD403.DWG
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440

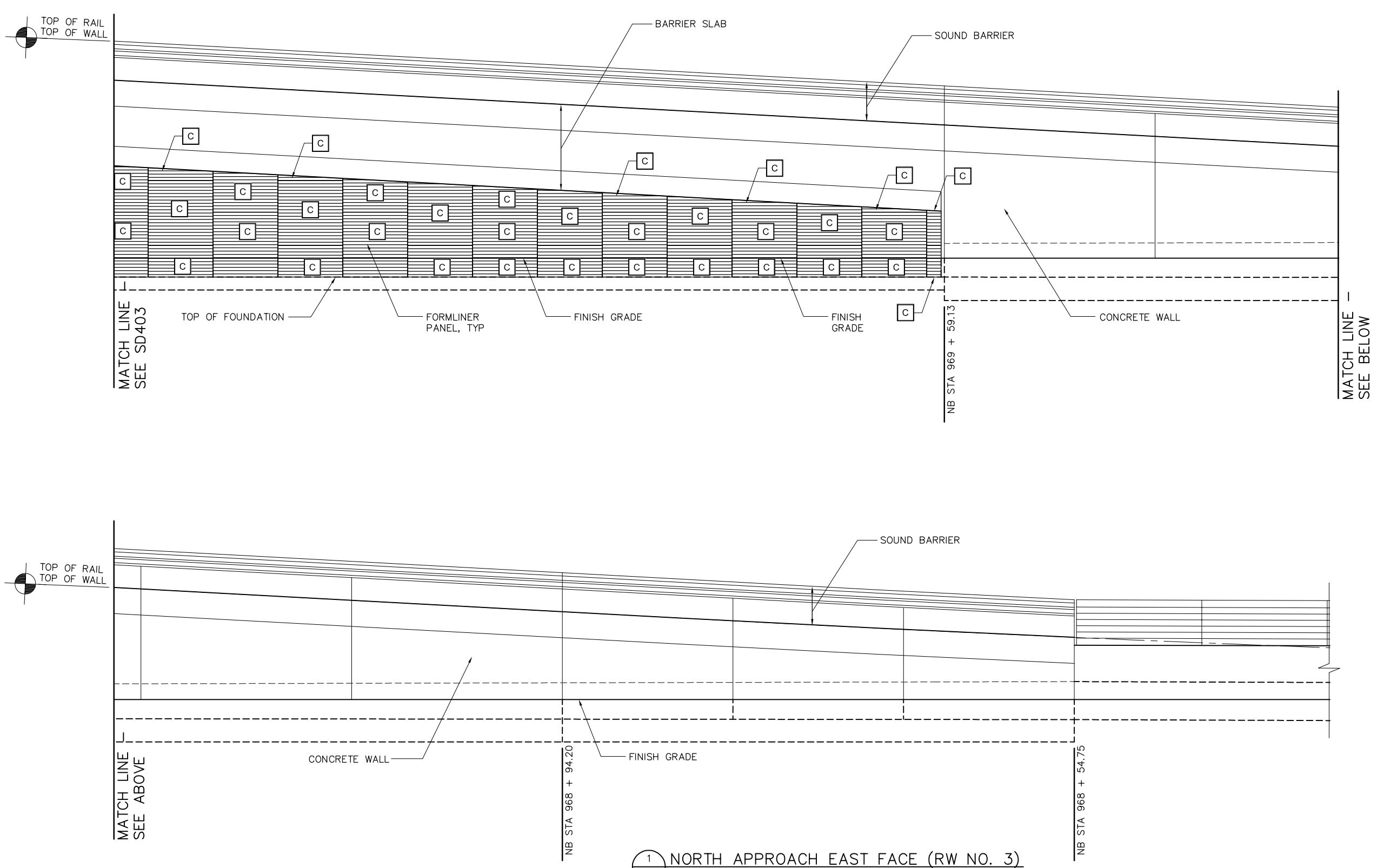


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 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4" = 1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 CAPITOL - STORY AERIAL GUIDELINE
 NORTH APPROACH
 MSE WALL EAST FACE 1

SHEET OF	SD403
DRAWING NO.	SD403
REVISION	C
PCA NO.	000
CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE

- NOTES:**
1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
 2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.



1 NORTH APPROACH EAST FACE (RW NO. 3)
- NTS

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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SIERRA ENGINEERING GROUP
 DESIGNED: F. FRANCO
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 CHECKED: J. SIERRA
 CADD FILE NAME: 801SD404.DWG
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440



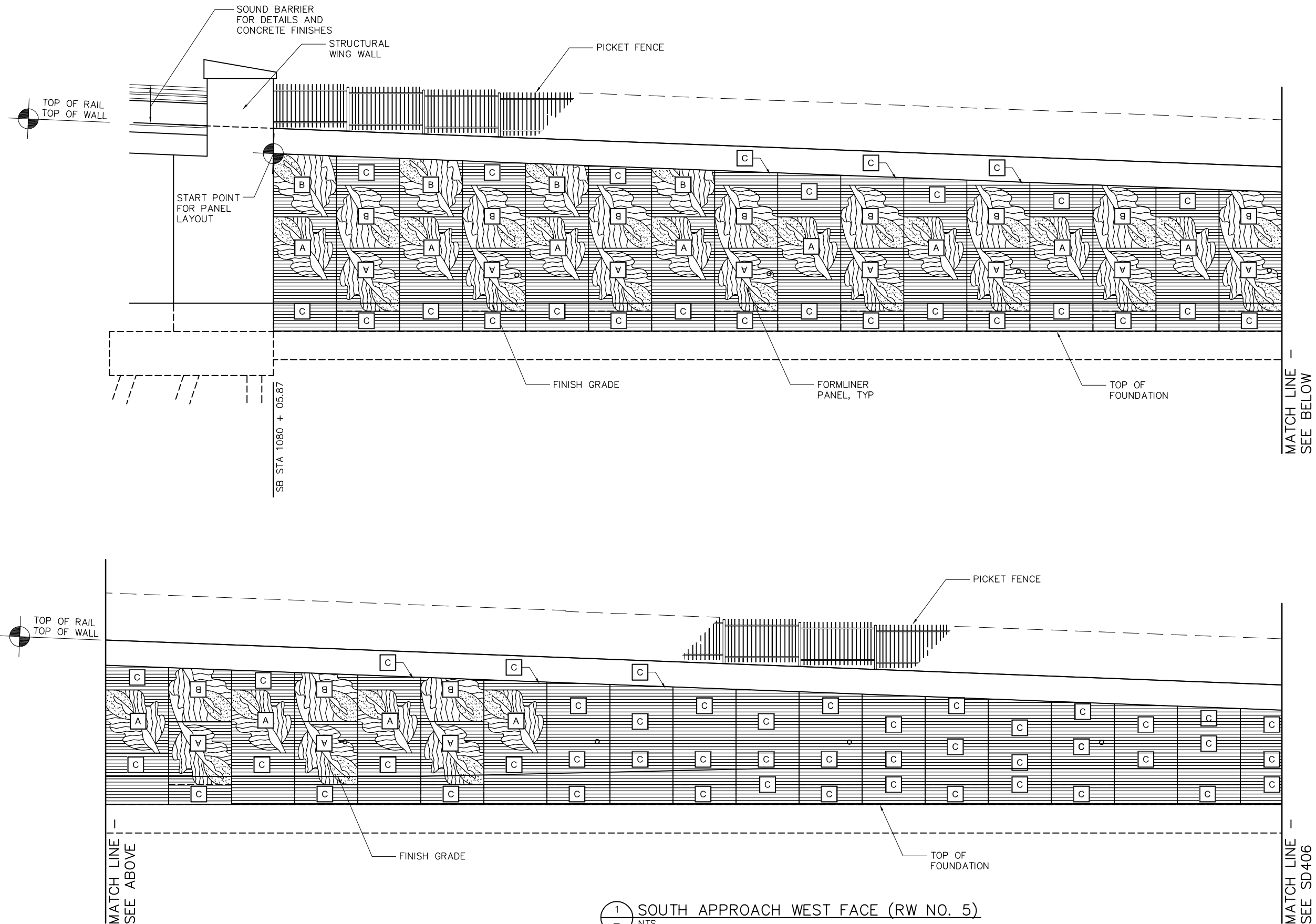
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BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
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 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 CAPITOL - STORY AERIAL GUIDEWAY
 NORTH APPROACH WALLS
 MSE WALL EAST FACE 2

SHEET	OF
DRAWING NO.	SD404
REVISION	C

PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

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- NOTES:**
1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
 2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.

1 SOUTH APPROACH WEST FACE (RW NO. 5)
- NTS

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
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 ENGINEERS / SURVEYORS / PLANNERS
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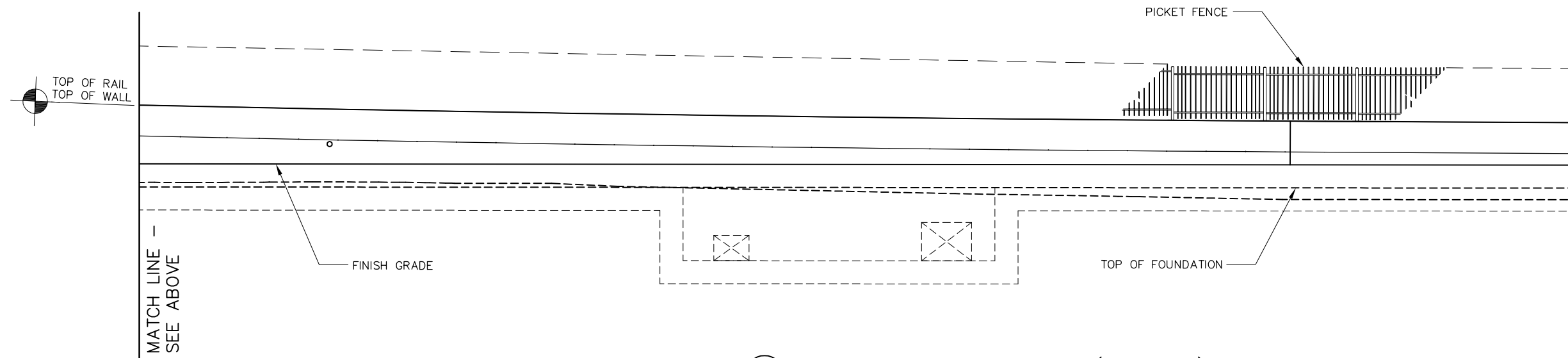
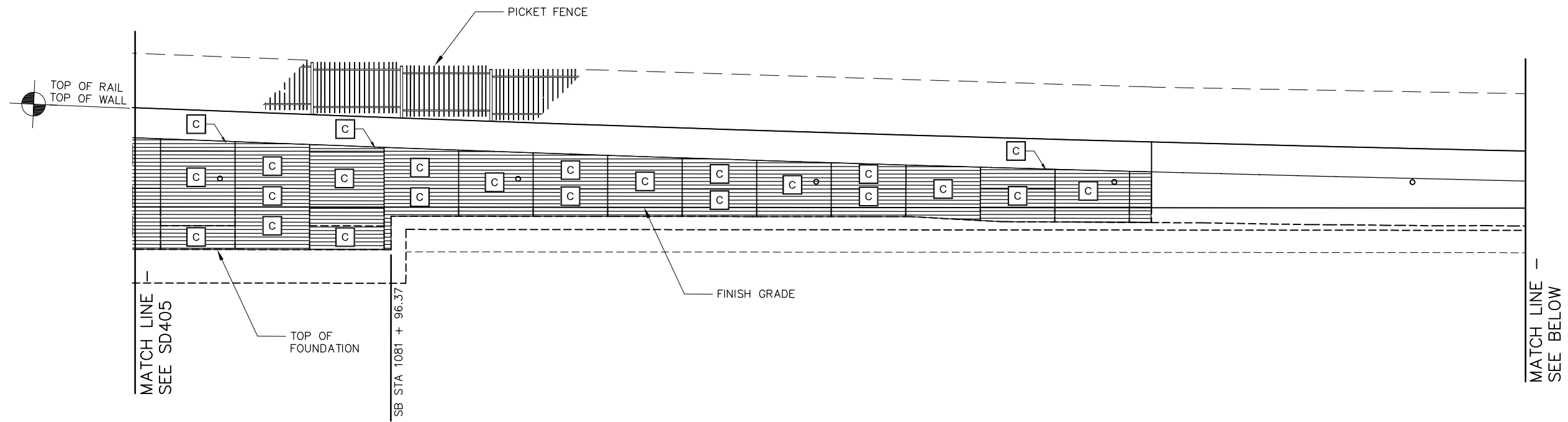
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 TULLY AERIAL GUIDEWAY
 SOUTH APPROACH WALLS
 CIP WALL WEST FACE 1

PCA NO.: 000
 CONTRACT NO.: (A###) C801
 FILE LOCATION: PROJECTWISE

SHEET OF
 DRAWING NO. SD405
 REVISION C

NOTES:

1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.



1 SOUTH APPROACH WEST FACE (RW NO. 5)
- NTS

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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DESIGNED F. FRANCO	CHECKED J. SIERRA
DRAWN H. NUALLES	CADD FILE NAME 801SD406.DWG

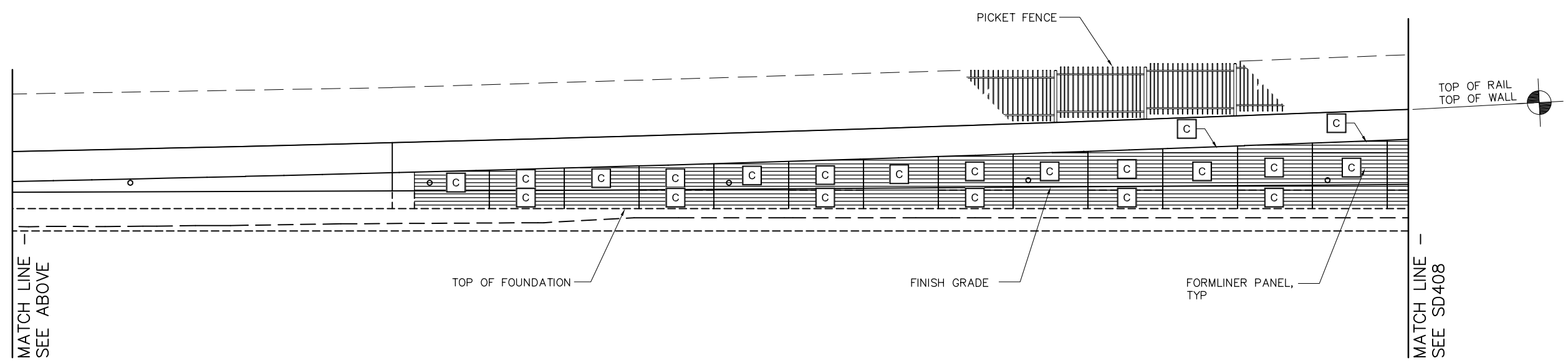
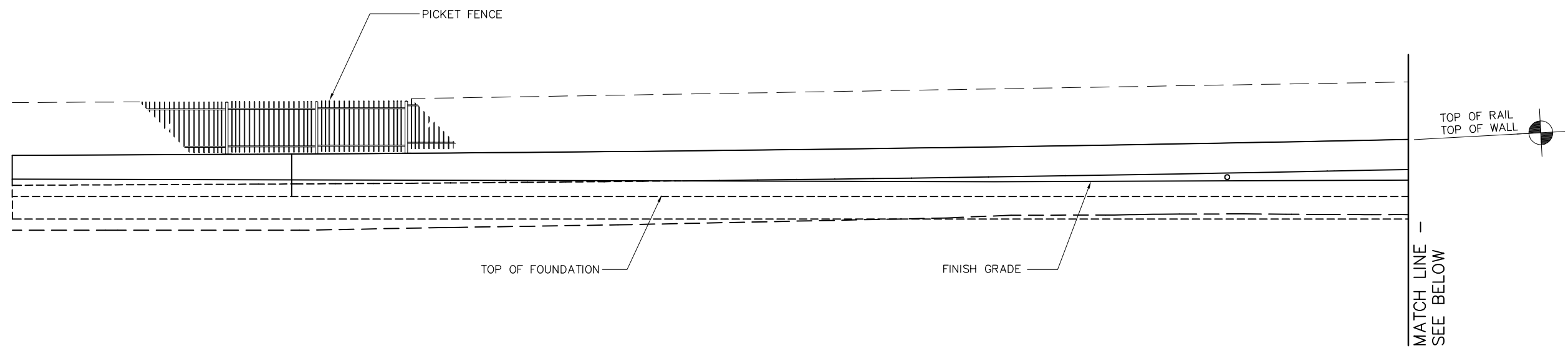


APPROVED 	
CADD FILE DATE 06/29/20	SCALE 1/4"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT TULLY AERIAL GUIDEWAY SOUTH APPROACH WALLS CIP WALL WEST FACE 2			SHEET OF DRAWING NO. SD406 REVISION C
PCA NO. 000	CONTRACT NO. (A###) C801	FILE LOCATION PROJECTWISE	

NOTES:

1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.



1 SOUTH APPROACH EAST FACE (RW NO. 6)
- NTS

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NO.	DATE	REVISIONS
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B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



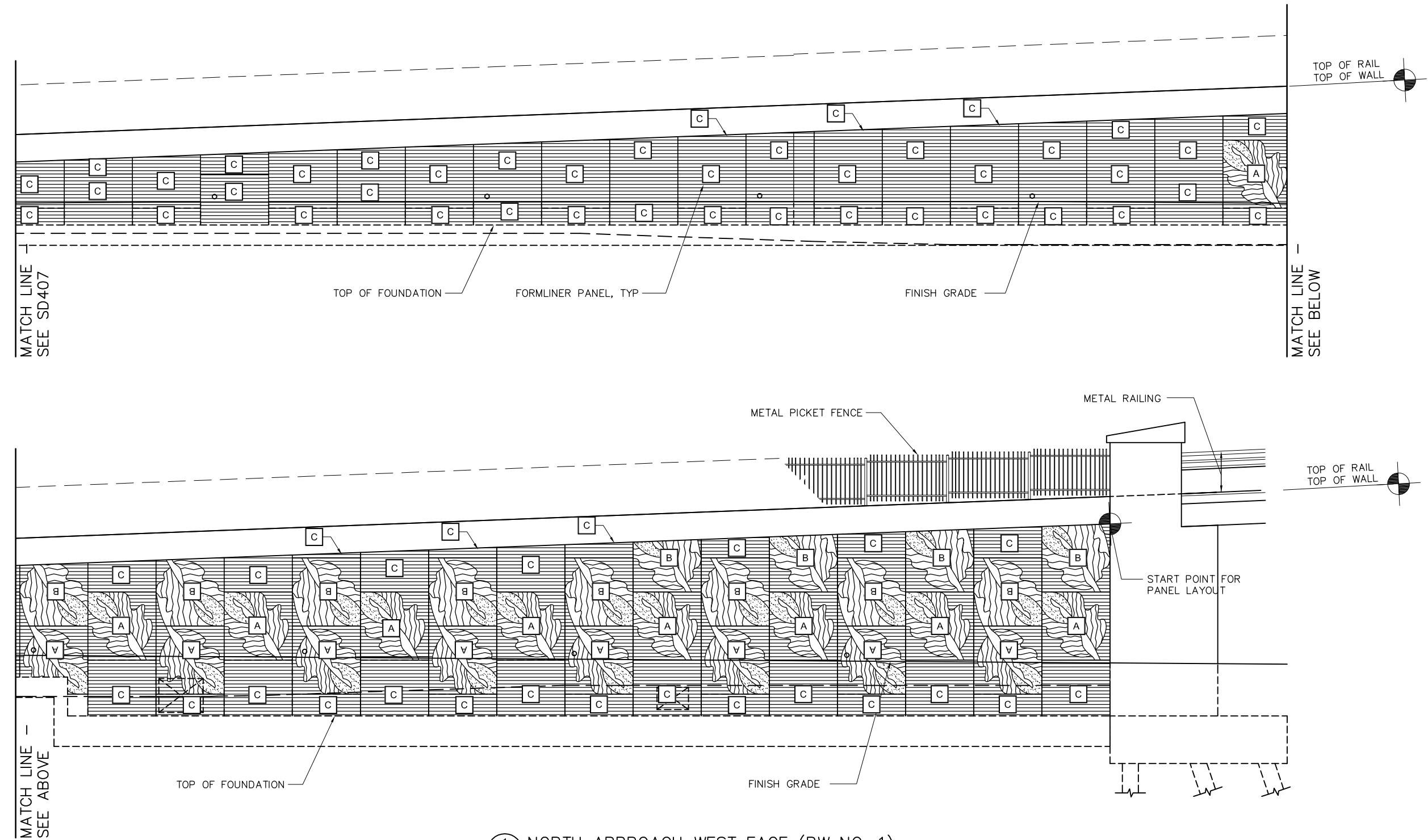
SUBMITTED SIERRA ENGINEERING GROUP		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	F. FRANCO	CHECKED	J. SIERRA
DRAWN	H. NUALLES	CADD FILE NAME	801SD407.DWG



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CADD FILE DATE	06/29/20	SCALE	1/4"=1'-0"
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT TULLY AERIAL GUIDEWAY SOUTH APPROACH WALLS CIP WALL EAST FACE 1			SHEET OF DRAWING NO. SD407 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	(A###) C801	PROJECTWISE	

- NOTES:
1. THESE DWGS DEPICT MSE PANELS AND AESTHETIC APPEARANCE OF THE PATTERNS ONLY.
 2. SEE DWG SD409 FOR PANEL FORMLINER DESIGNS.



1 NORTH APPROACH WEST FACE (RW NO. 1)
NTS

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 Jun 22, 2020 10:28am M

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED F. FRANCO	CHECKED J. SIERRA
DRAWN H. NUALLES	CADD FILE NAME 801SD408.DWG

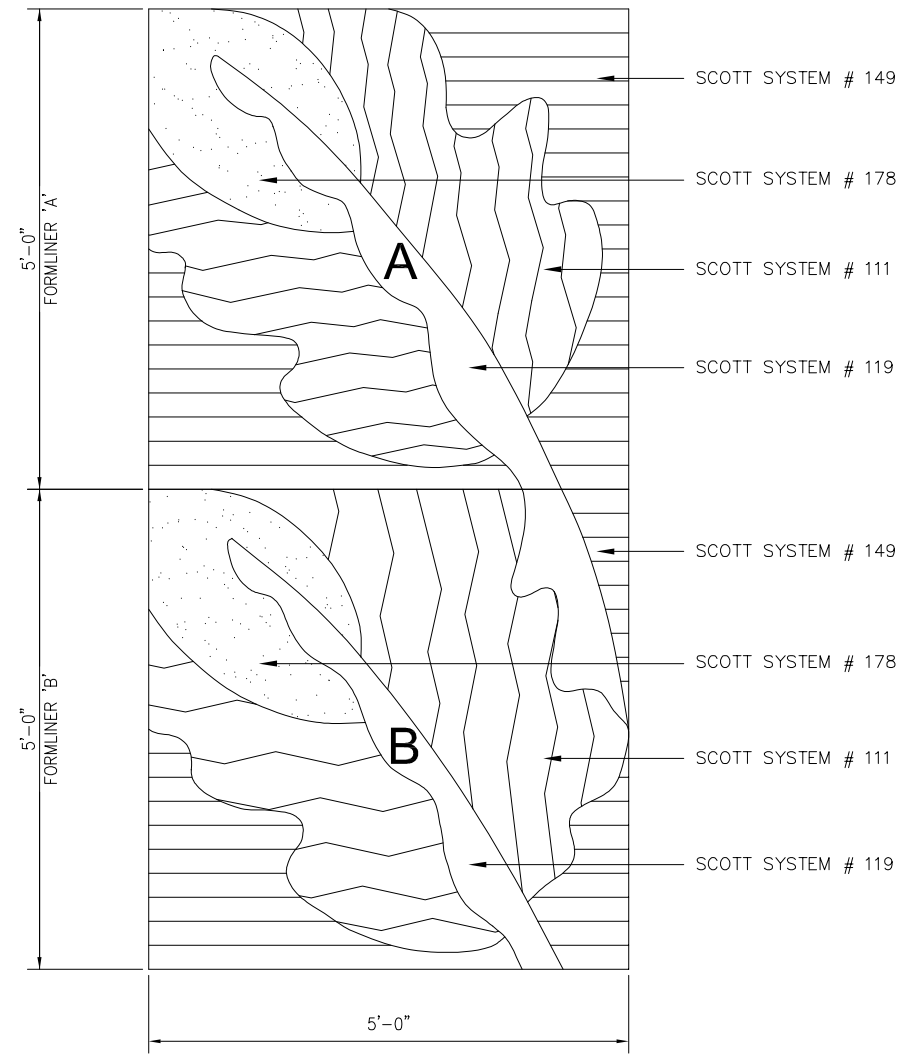


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE 1/4" = 1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

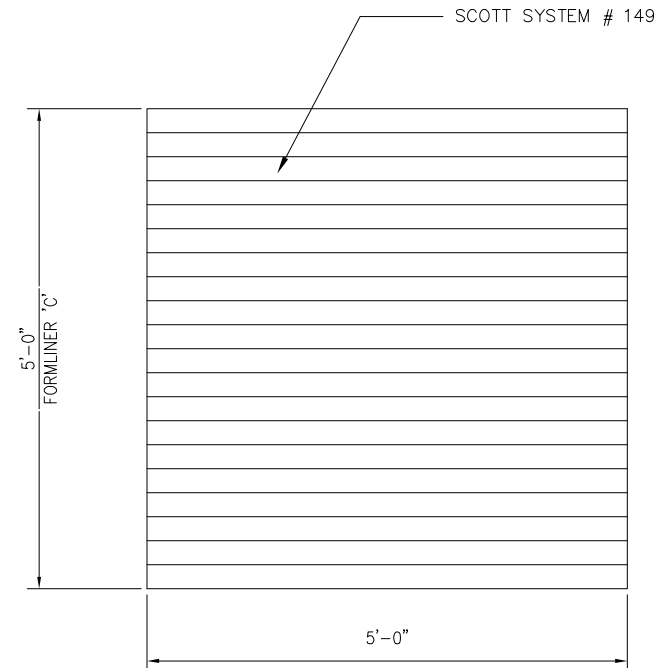
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PCA NO. 000	CONTRACT NO. (A###) C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SD408
REVISION C	

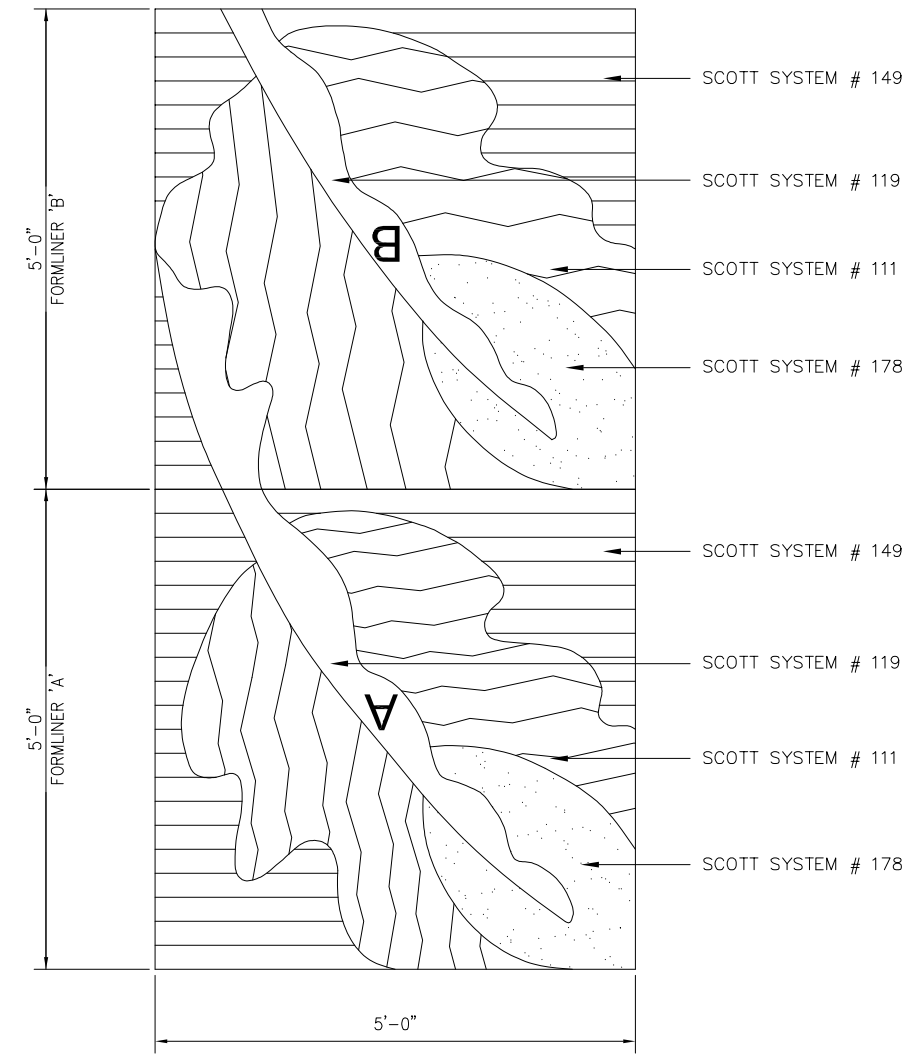
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1 FORMLINER 'A' AND 'B'
 SCALE: 1"=1'-0"

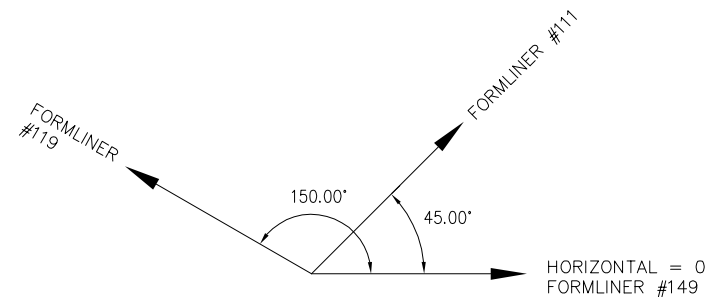


2 FORMLINER 'C'
 SCALE: 1"=1'-0"



3 FORMLINER 'A' AND 'B'
 SCALE: 1"=1'-0"

NOTE:
 FORMLINER PANEL SIZES ARE NOMINAL. MANUFACTURER TO ADJUST AS REQUIRED TO PROVIDE SAME SIZE IMAGES BETWEEN CIP AND MSE WALLS



NOTE:
 ANGLES SHOWN ABOVE DEPICT ANGLES OF FORMLINER TEXTURES



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	XX/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



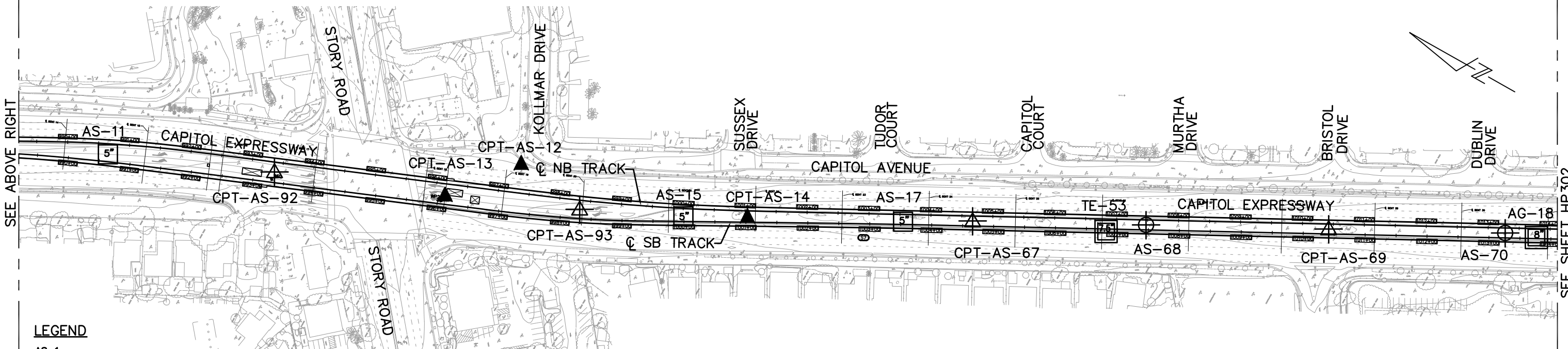
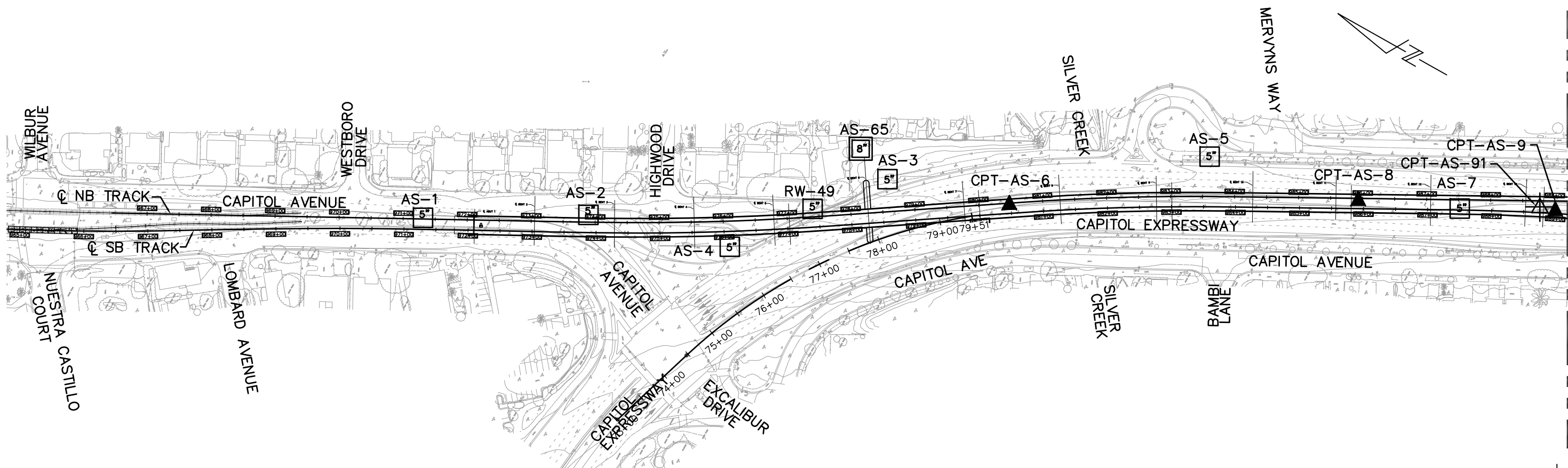
SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED: S. CASTRO	CHECKED: F. FRANCO
DRAWN: H. NUALLES	CADD FILE NAME: 801SD409.DWG

Santa Clara Valley
 Transportation
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APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE: 06/29/20	SCALE: 1"=1'-0"
SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

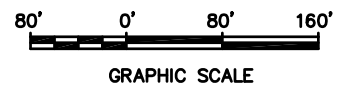
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PCA NO. 000	CONTRACT NO. (A###) C801	FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. SD409
REVISION C



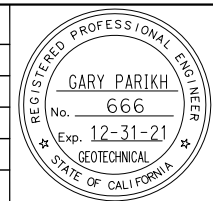
LEGEND

- AS-1 ROTARY WASH BORING (BEFORE 2008)
- CPT-AS-6 ELECTRONIC CONE PENETROMETER (BEFORE 2008)
- TE-53 AUGER BORING (DRY BEFORE 2008)
- AS-68 ROTARY WASH BORING (2018)
- CPT-AS-91 ELECTRONIC CONE PENETROMETER (2018)



08/20/2018 2:27pm C:\cad\818\m\koyoung\west\m818390\801HP301.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



PARIKH
Practicing in the Geosciences
1497 N MILPITAS BLVD.
MILPITAS, CA 95035

DESIGNED: E. Ortakci
DRAWN: K. Ouyang

CHECKED: A. Lam
CADD FILE NAME: 801HP301.dwg

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

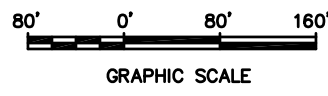
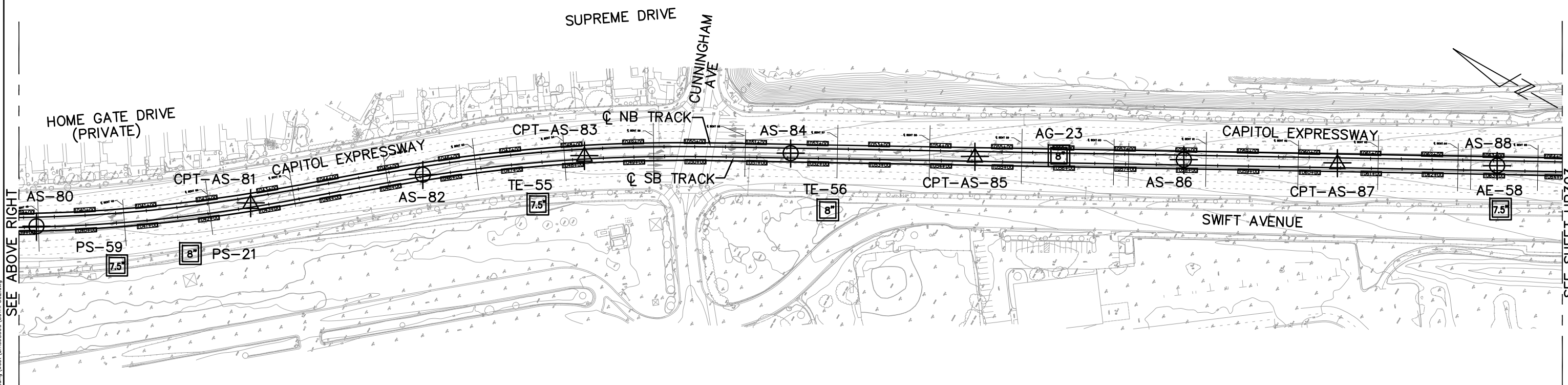
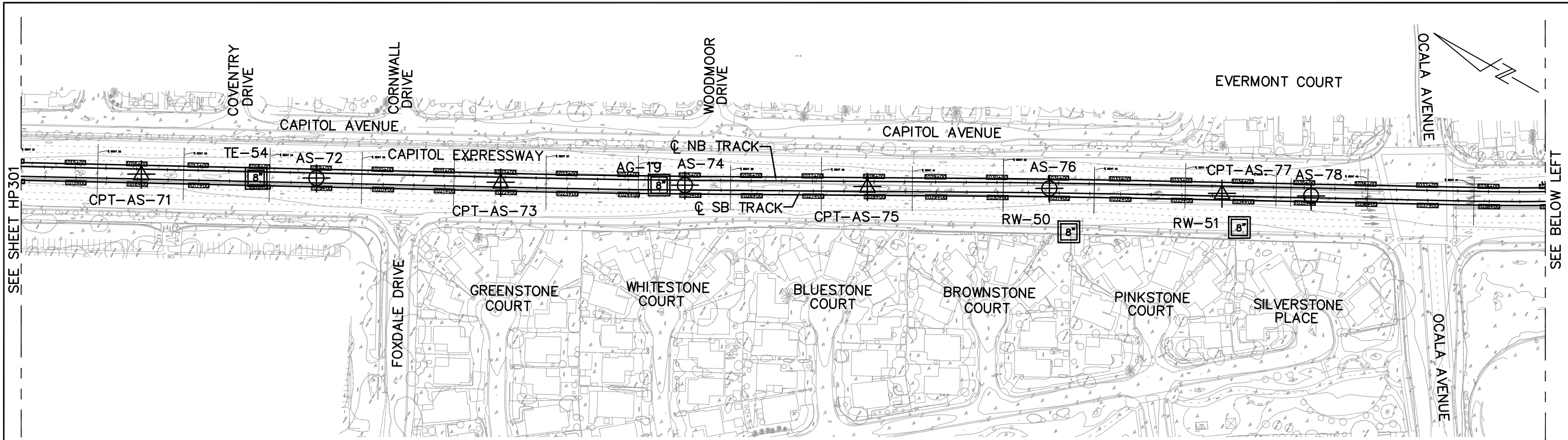
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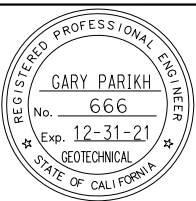
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL SITE PLAN
STA 964+80 TO STA 1014+00

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. HP301 REVISION C



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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PARIKH
Practicing in the Geosciences
1497 N MILPITAS BLVD.
MILPITAS, CA 95035

DESIGNED: E. Ortakci
DRAWN: K. Ouyang

CHECKED: A. Lam
CADD FILE NAME: 801HP302.dwg

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CADD FILE DATE: 03/26/20
SUBMITTAL DATE: 06/29/20

SCALE: 1:80
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
SITE PLAN
STA 1014+00 TO STA 1064+10

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

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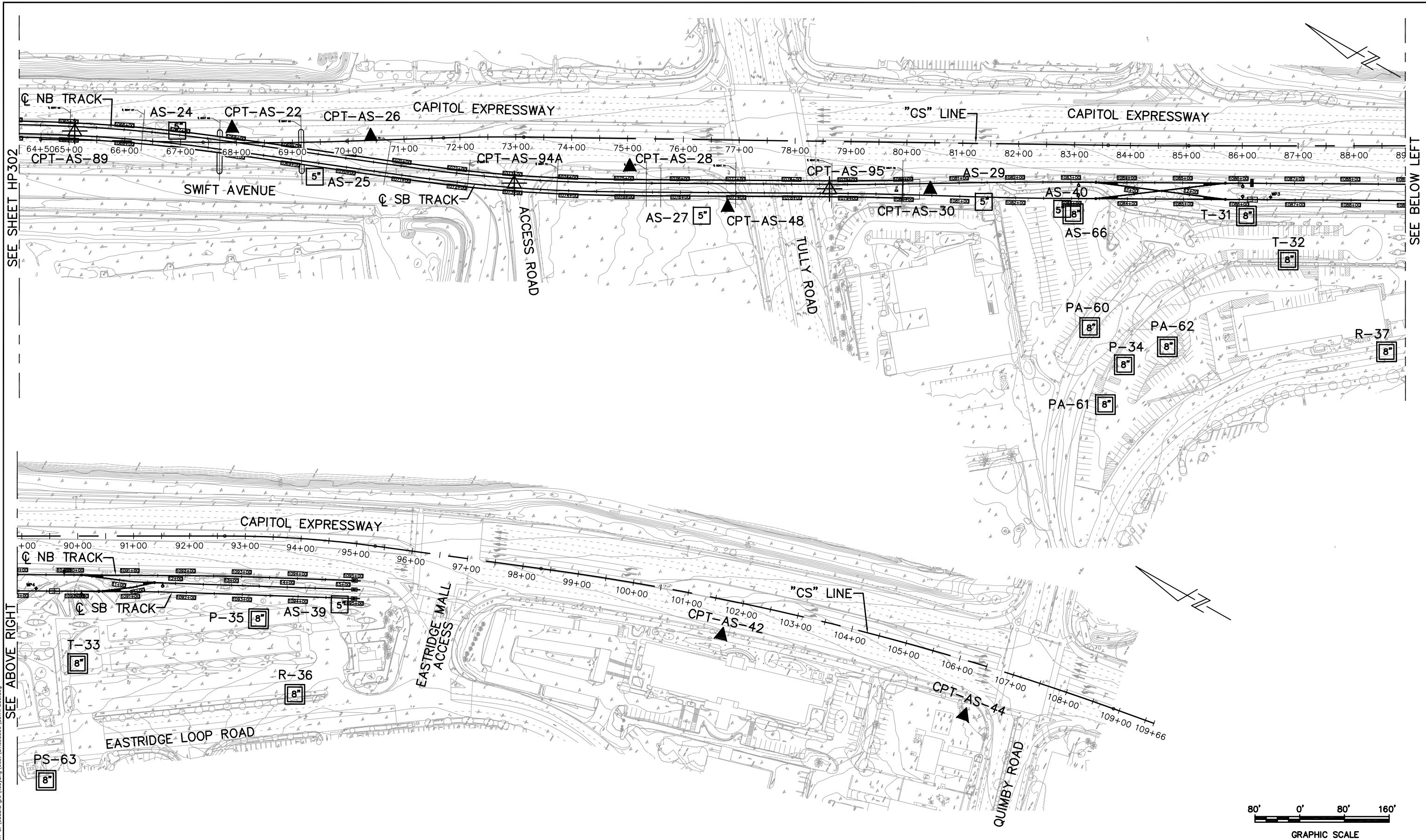
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SEE BELOW LEFT

SEE ABOVE RIGHT

SEE SHEET HP302

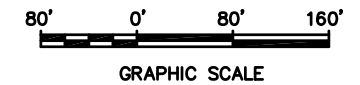
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NO.	DATE	REVISIONS
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A	06/18	35% SUBMITTAL SET



SUBMITTED

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DRAWN: K. Ouyang

CHECKED: A. Lam
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BOARD APPROVAL DATE:

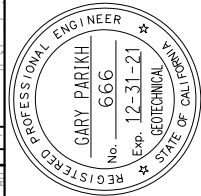
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
SITE PLAN
STA 1064+10 TO STA 1095+05

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. HP303
REVISION C

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C	06/20	95% SUBMITTAL SET

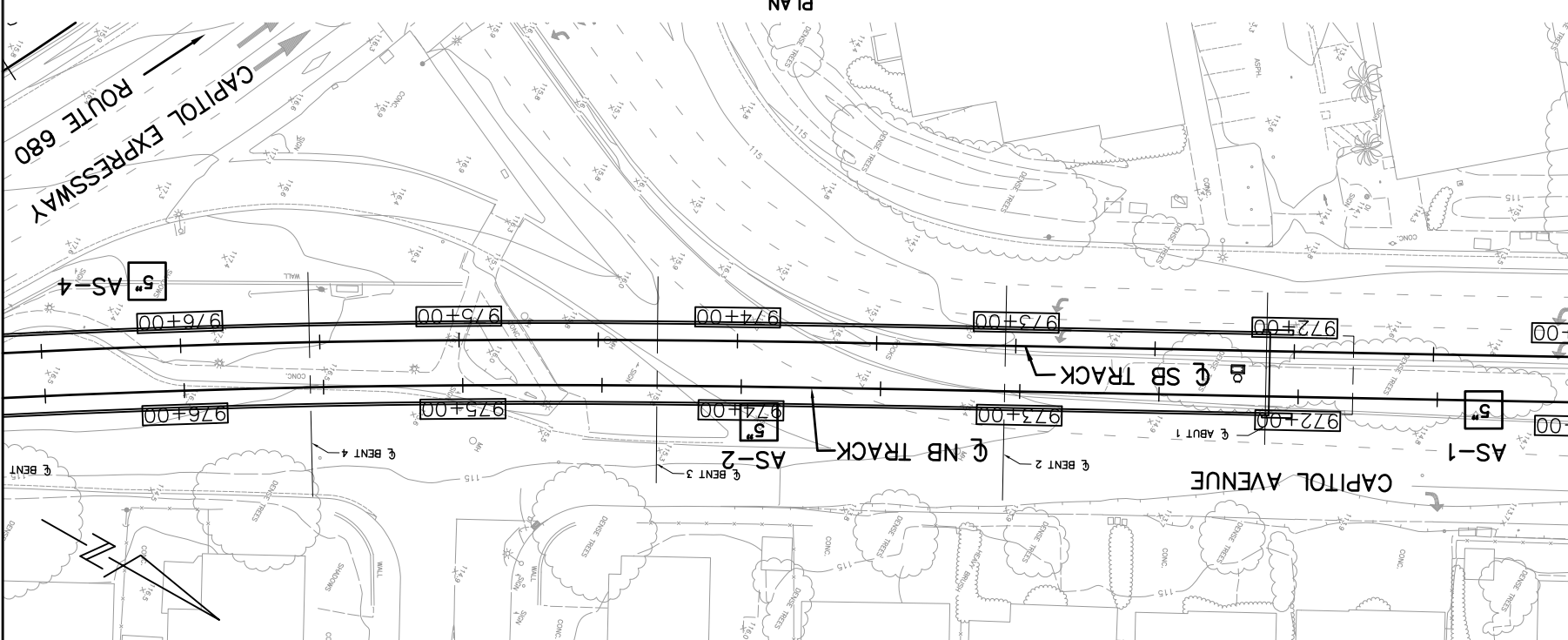


DESIGNED: E. Ortakci
 CHECKED: A. Laim
 DRAWN: K. Ouyang
 CAD/ITERATOR: 801HP304.dwg

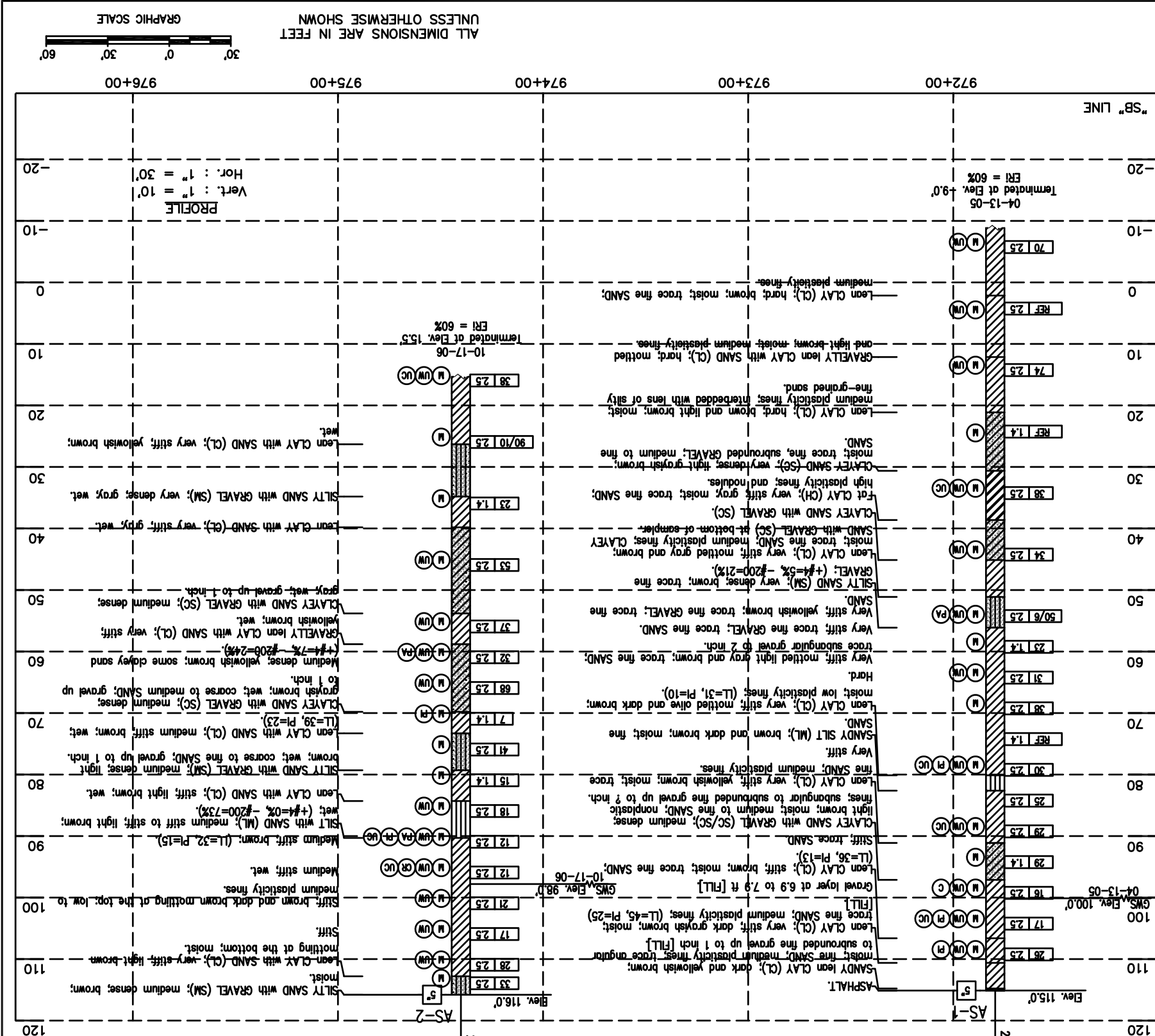
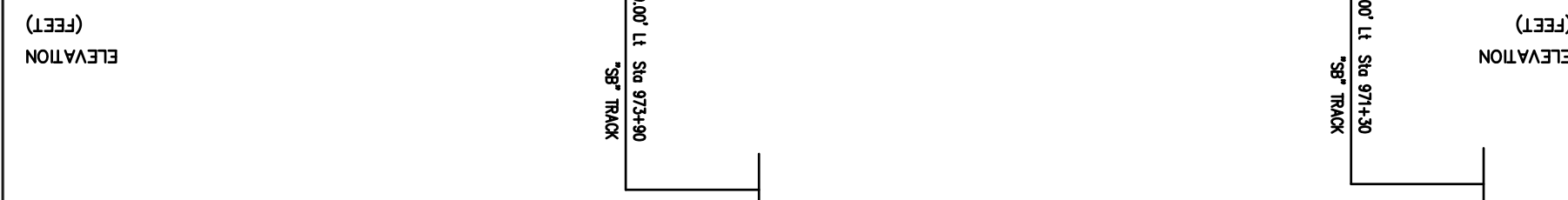


BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 971+00 TO STA 976+60

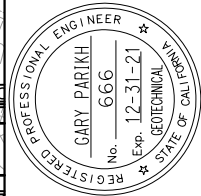


NOTES:
 Standard Penetration Test Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
 California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
 140 lb hammer with a 30" drop (Automatic Hammer)
 The Horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.



GRAPHIC SCALE
 ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET



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MILPITAS, CA 95035

DESIGNED: E. Ortakci
CHECKED: A. Laim
DRAWN: K. Ouyang
CADD FILE NAME: 801HP305.dwg



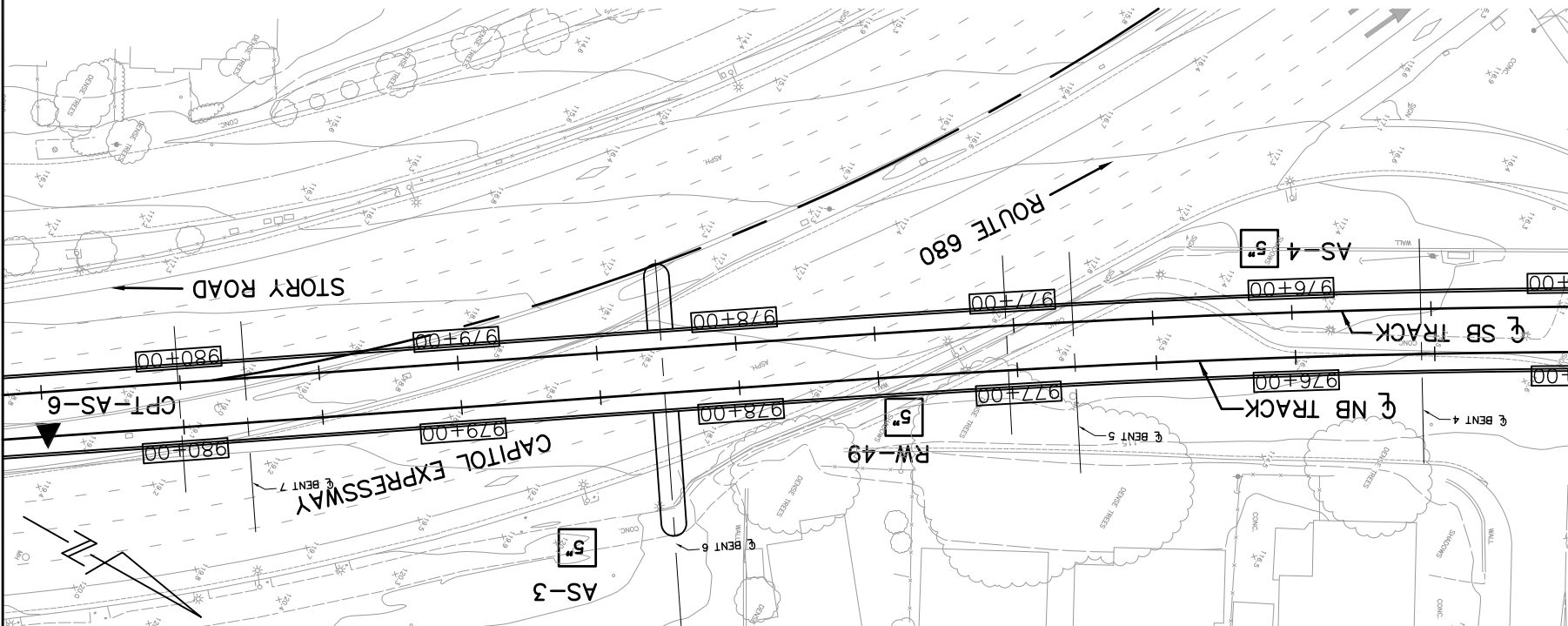
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/26/20
SCALE: 1:30
SUBMIT DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
LOG OF TEST BORINGS
STA 975+00 TO STA 980+60

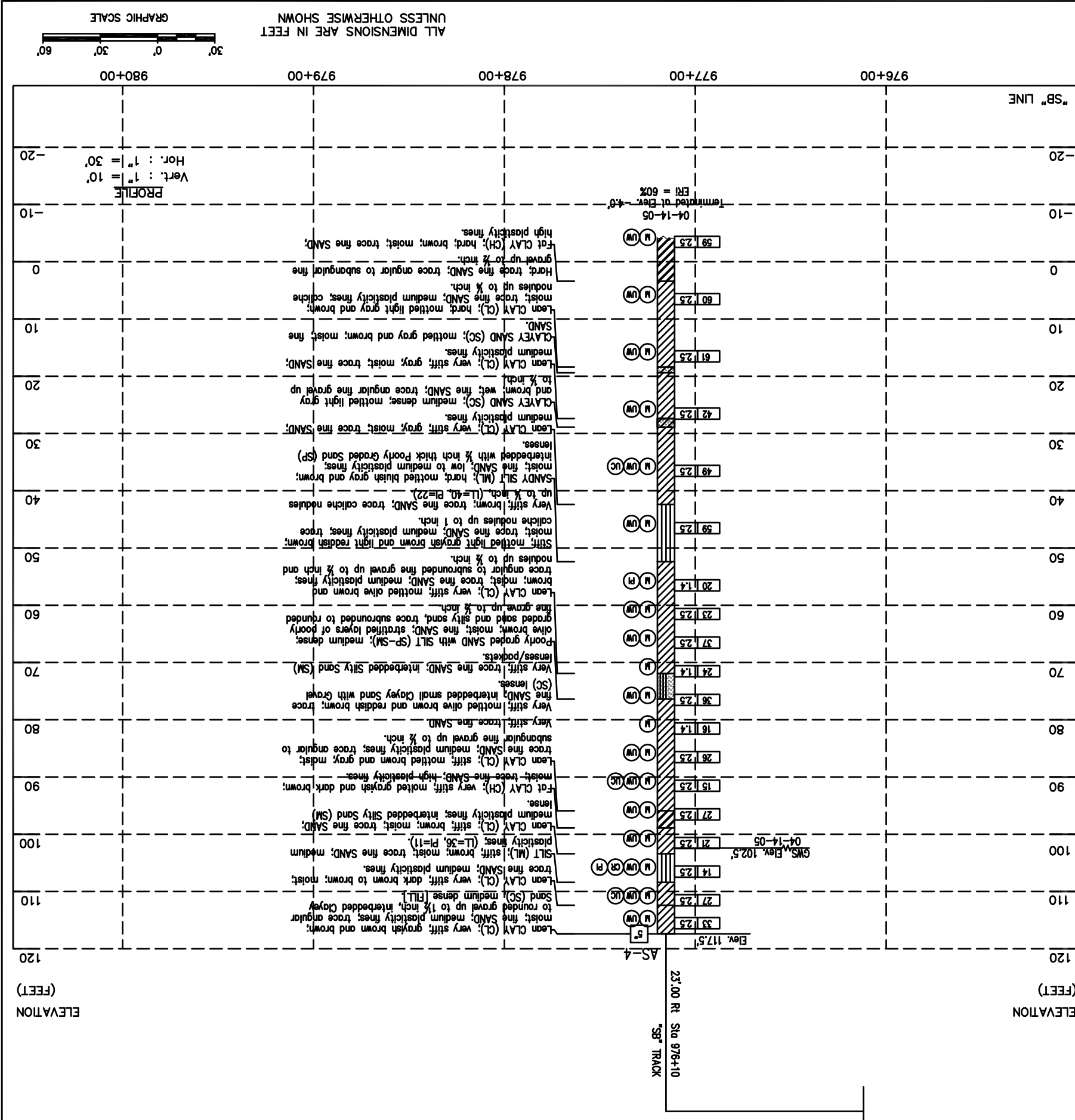
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CONTRACT NO.: C801
PCANNO.: 000

DRAWING NO.: HP305
REVISION: C



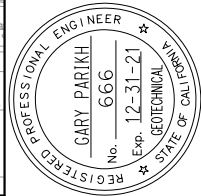
NOTES:
Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified
California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
140 lb hammer with a 30" drop (Automatic Hammer)

BENCHMARK:
The Horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on
the California State Plane, Zone 0403. To obtain ground distances,
multiply grid distances by 0.9999541. The Vertical datum is NAVD 88.
Elevations and boring locations are interpreted from topo map.



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
GRAPHIC SCALE
Hor. : 1" = 30'
Vert. : 1" = 10'

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET



DESIGNED: E. Ortakci
 CHECKED: A. Laim
 DRAWN: K. Ouyang
 CAD/DRAWN: 801HP309.dwg

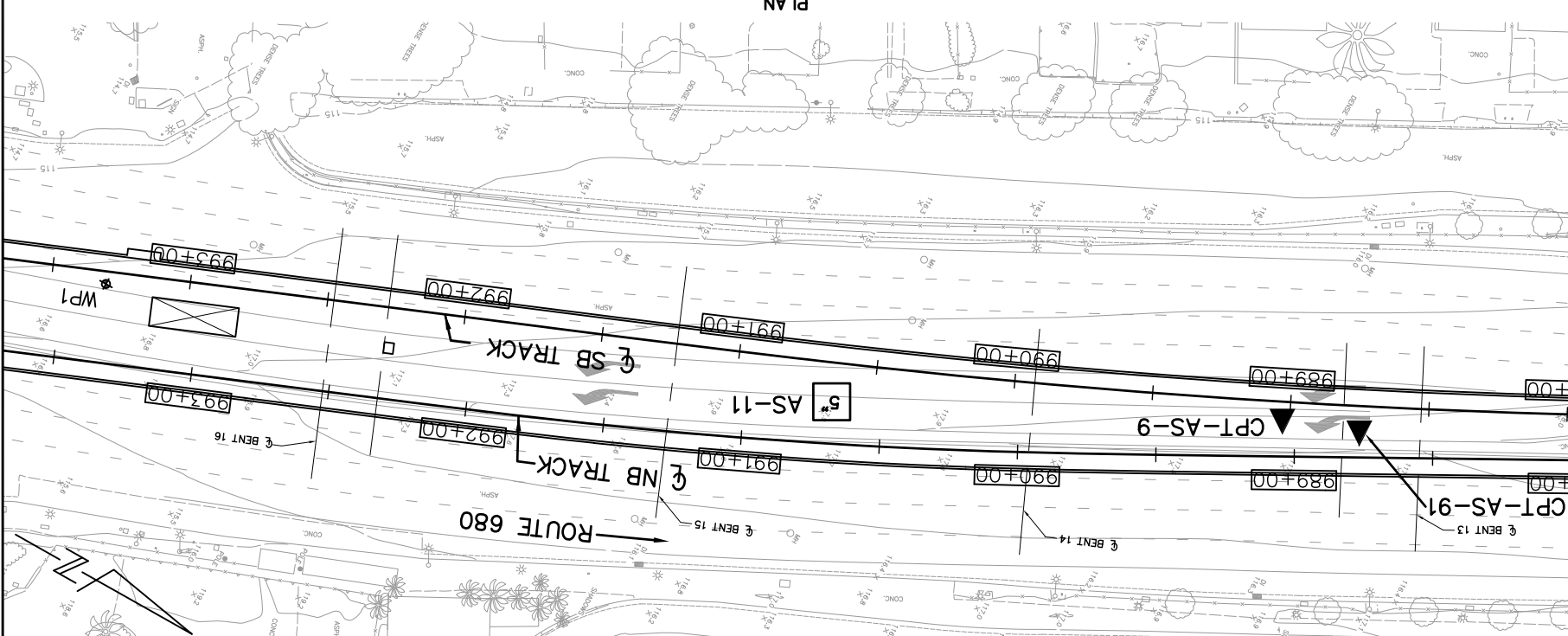


BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CAD RELEASE DATE: 03/26/20
 SUBMIT DATE: 06/29/20

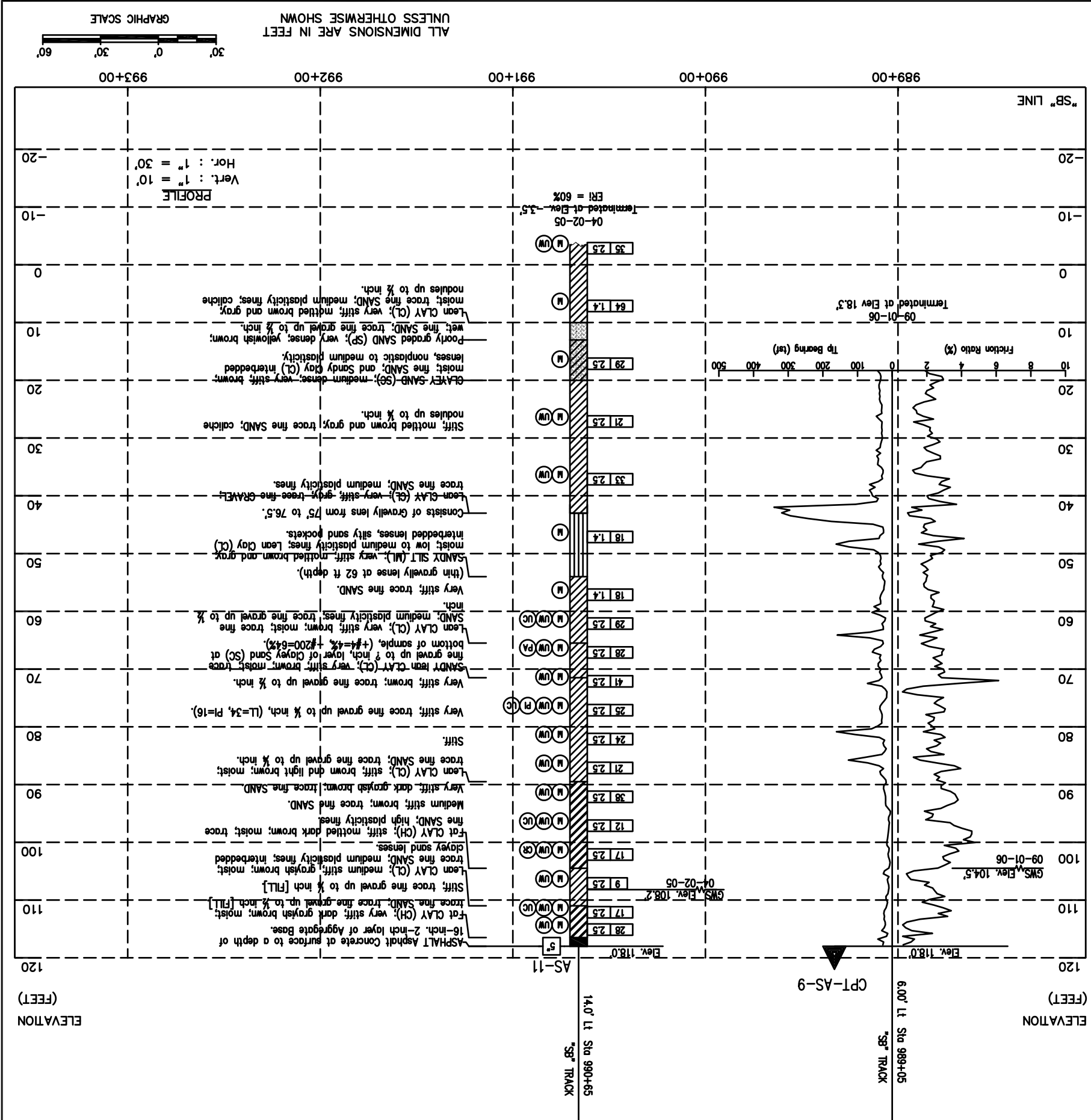
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 988+00 TO STA 993+65

CONTRACT NO.: C801
 PROJECTWISE



NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

The Horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.



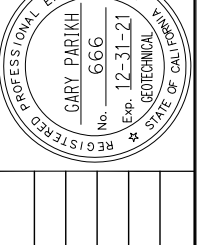
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN
 GRAPHIC SCALE
 Vert. : 1" = 10'
 Hor. : 1" = 30'

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
LOG OF TEST BORINGS
STA 993+00 TO STA 998+70

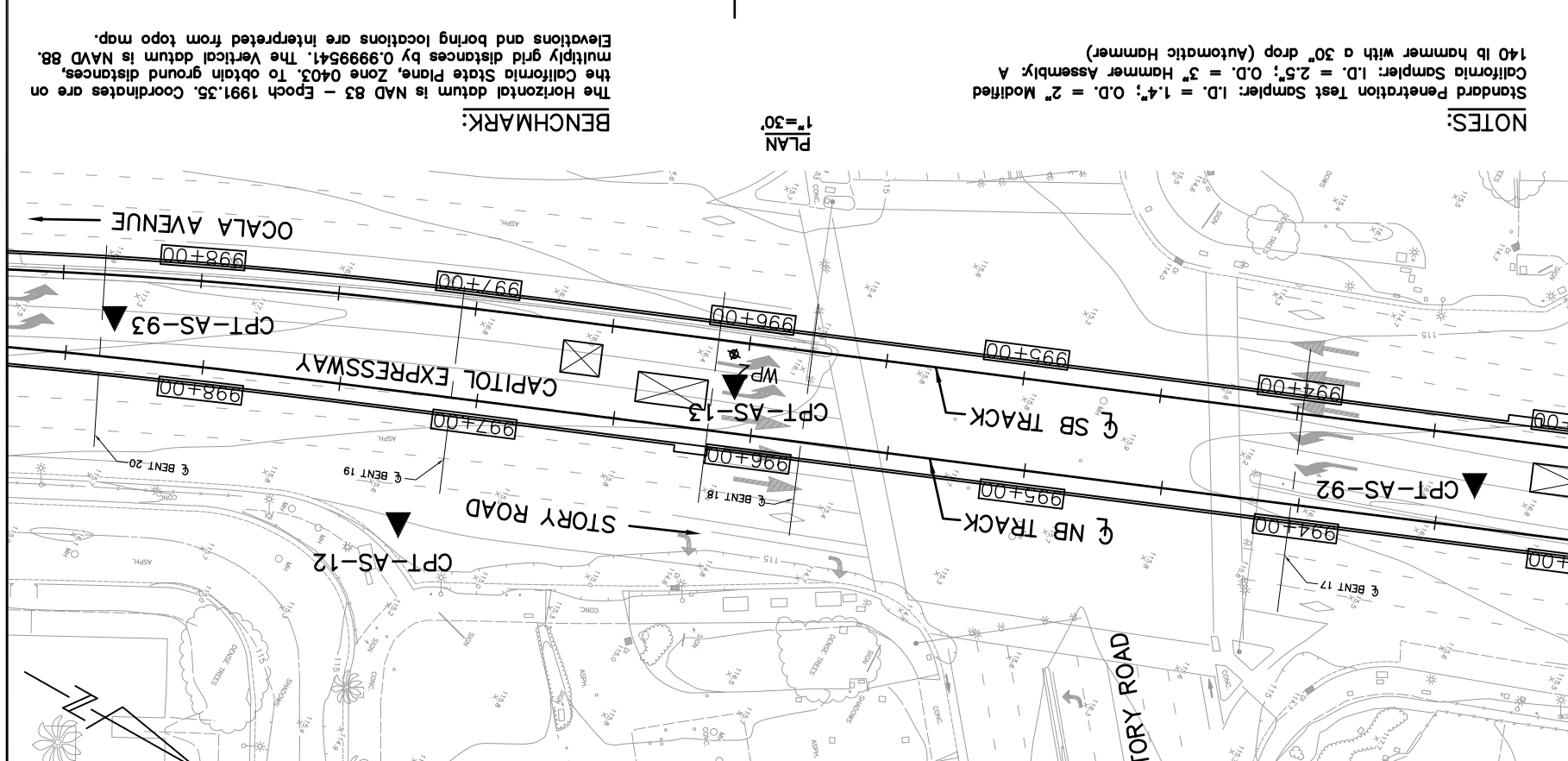
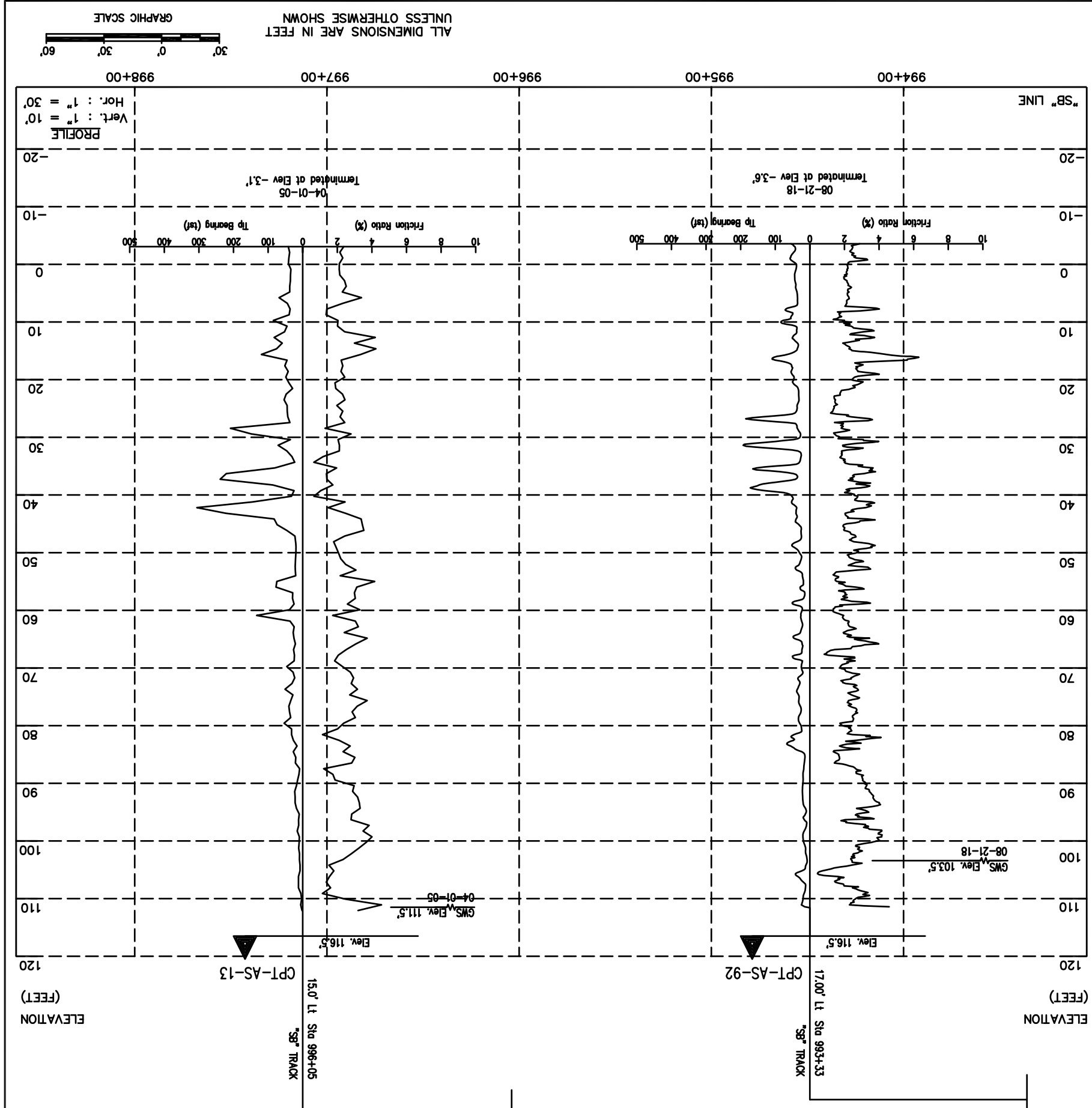
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
SCALE 1:30
BOARD APPROVAL DATE 06/29/20
SUBMIT DATE 03/26/20



DESIGNED E. Ortakci CHECKED A. Laim DRAWN K. Ouyang CAD/DRAWN/REVISED 801HP310.dwg



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



NOTES:
Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)
The Horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

BENCHMARK:
PLAN 1"=30'

LEGEND OF BORING OPERATIONS

- 98-B-1 57 mm CONE PENETRATION
- 98-R-1 ROTARY MASH
- 98-P-1 POCKET PENETROMETER
- 98-N-1 UNANNOUNCED TRAXIAL
- 98-D-1 DIRECT SHEAR
- 98-C-1 CHEMICAL ANALYSIS
- 98-A-1 ATTERBERG LIMITS
- 98-J-1 TEST DESIGNATIONS

LEGEND OF EARTH MATERIALS (USCS)

Symbol	Material Description
(S)	SAND (SM)
(ML)	SILT (ML or MH)
(CL)	CLAY (CL or CH)
(OH)	ORGANIC MUD (OH)
(OM)	MUD (OM)
(OC)	ORGANIC CLAY (OC)
(GC)	CLAY (GC)
(GP)	POCKET PENETROMETER
(GM)	GRAVEL (GM)
(GC)	GRAVEL (GC)
(GM)	GRAVEL (GM)
(GC)	GRAVEL (GC)
(GM)	GRAVEL (GM)
(GC)	GRAVEL (GC)

CONCISTENCY CLASSIFICATION

SP	Penetration (ASTM D-1586)
>50	Very Dense
30-50	Dense
15-30	Medium Dense
10-15	Dense
5-10	Loose
4	Very loose

LEGEND OF BORINGS

- (S) SOL TUBE
- (D) DIAMOND CORE
- (P) TEST PIT
- (R) ROTARY MASH
- (C) CHEMICAL ANALYSIS
- (A) ATTERBERG LIMITS
- (J) TEST DESIGNATIONS
- (U) UNANNOUNCED TRAXIAL
- (D) DIRECT SHEAR
- (C) CHEMICAL ANALYSIS
- (A) ATTERBERG LIMITS
- (J) TEST DESIGNATIONS
- (U) UNANNOUNCED TRAXIAL
- (D) DIRECT SHEAR
- (C) CHEMICAL ANALYSIS
- (A) ATTERBERG LIMITS
- (J) TEST DESIGNATIONS

LEGEND OF BORING OPERATIONS (Continued)

- 98-B-1 57 mm CONE PENETRATION
- 98-R-1 ROTARY MASH
- 98-P-1 POCKET PENETROMETER
- 98-N-1 UNANNOUNCED TRAXIAL
- 98-D-1 DIRECT SHEAR
- 98-C-1 CHEMICAL ANALYSIS
- 98-A-1 ATTERBERG LIMITS
- 98-J-1 TEST DESIGNATIONS

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET

REGISTERED PROFESSIONAL ENGINEER
GARY PARIKH
 No. 666
 Exp. 12-31-21
 GEOTECHNICAL
 STATE OF CALIFORNIA

PARIKH
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DESIGNED: E. Ortakci
 CHECKED: A. Laim
 DRAWN: K. Ouyang
 CAD/DRAWN: 801HP313.dwg

YEA Santa Clara Valley
 Transportation
 Authority

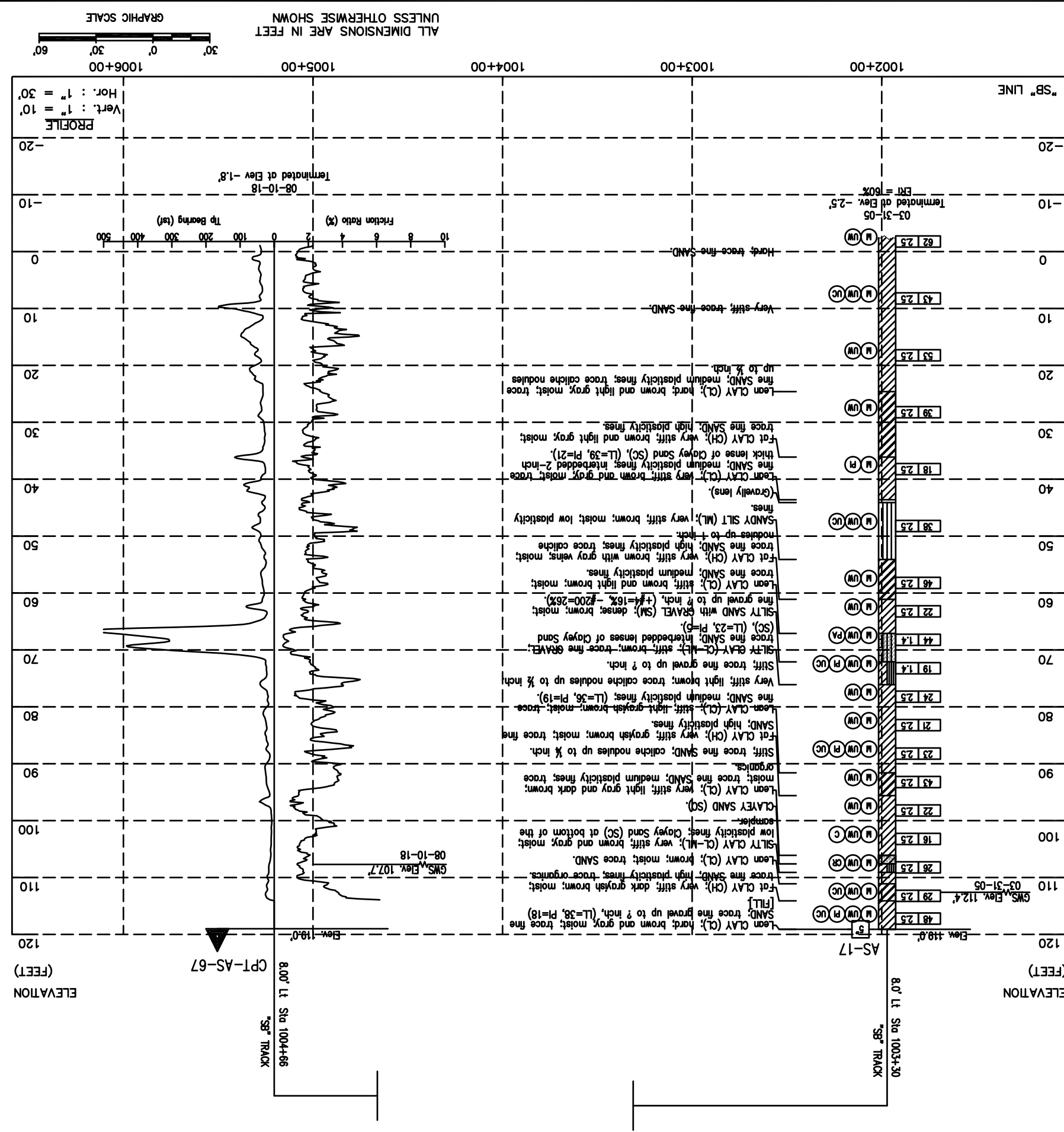
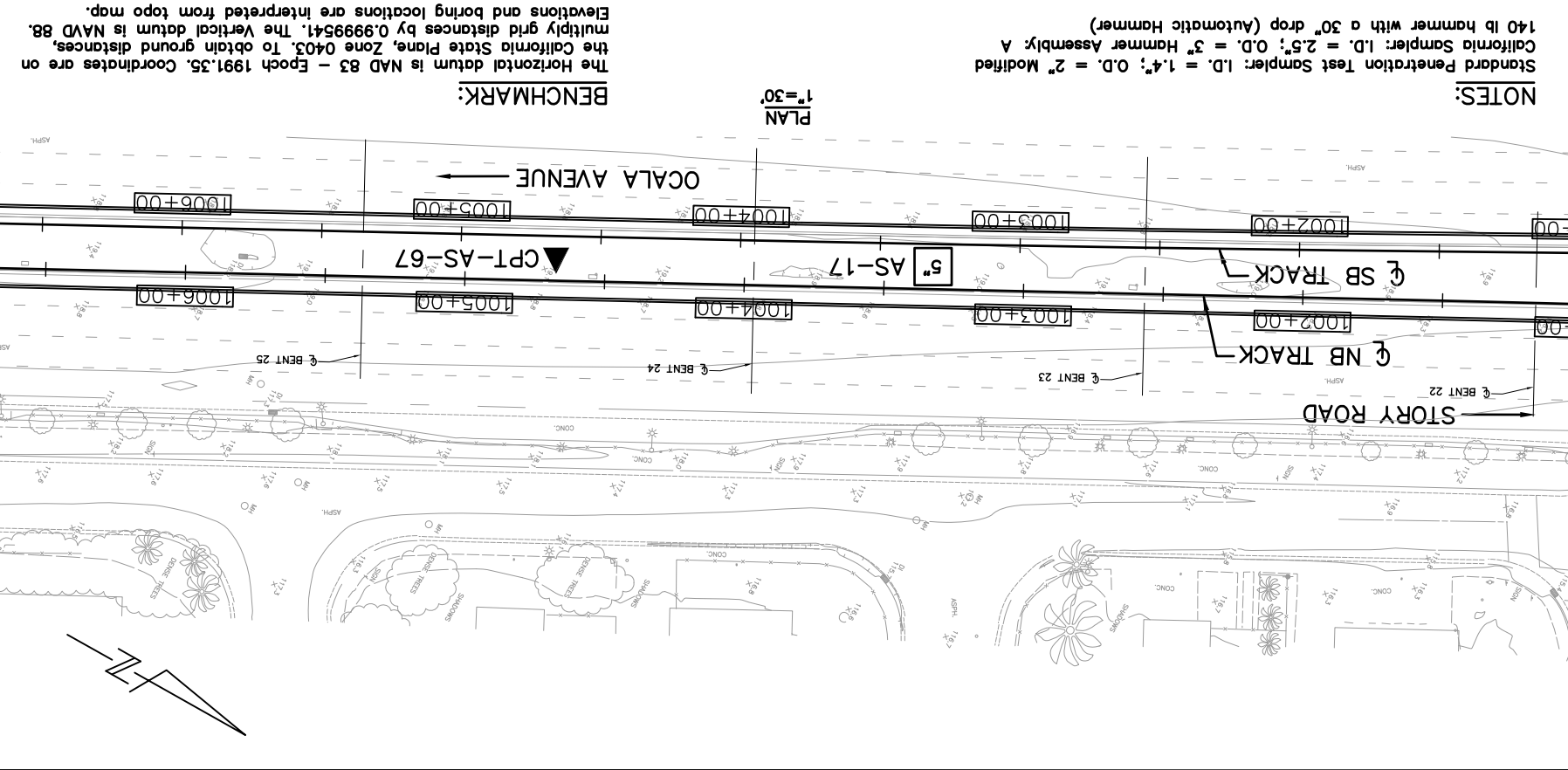
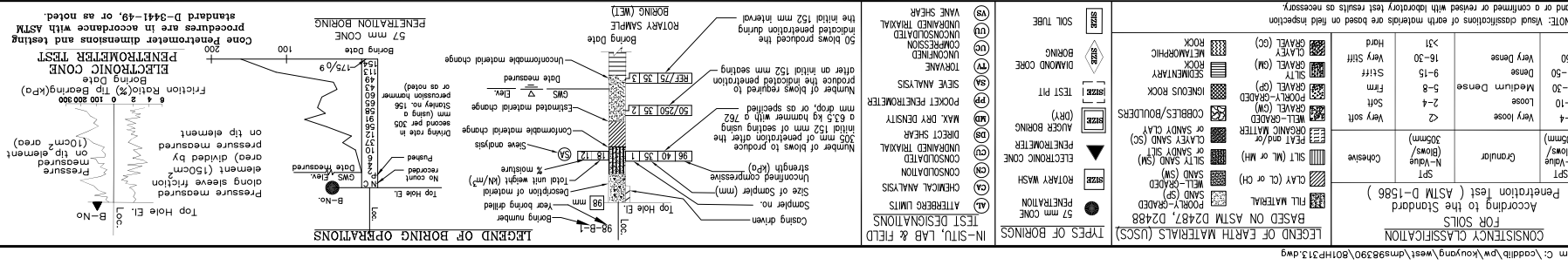
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

SCALE: 1:30
 BOARD APPROVAL DATE: 06/29/20
 SUBMITTAL DATE: 03/26/20

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 1001+00 TO STA 1006+65

CONTRACT NO.: C801
 PROJECT NO.: 000
 FILE LOCATION: PROJECTWISE

DRAWING NO.: HP313
 REVISION: C



LEGEND OF BORING OPERATIONS

Pressure measured along sleeve friction element (150cm area) divided by area (10cm² area) on tip element
 Pressure measured on tip element
 Friction Ratio (%) = $\frac{150 \times \text{Pressure}}{100 \times \text{Friction}}$

LEGEND OF EARTH MATERIALS (USCS)

BASED ON ASTM D2487, D2488
 FILL MATERIAL
 PENETRATION
 POOR-GRADED SAND (SP)
 WELL-SORTED SAND (SM)
 SAND (SW)
 SILTY SAND (SM) OR SANDY SILT (SL)
 CLAYEY SAND (SC) OR SANDY CLAY (CL)
 FILL-GRADED SAND (SF)
 FILL-GRADED SAND (SM)
 FILL-GRADED SAND (SW)
 FILL-GRADED SAND (SC)
 FILL-GRADED SAND (CL)
 FILL-GRADED SAND (CH)
 FILL-GRADED SAND (MH)
 FILL-GRADED SAND (ML)
 FILL-GRADED SAND (LL)
 FILL-GRADED SAND (CLL)
 FILL-GRADED SAND (CHL)
 FILL-GRADED SAND (MHL)
 FILL-GRADED SAND (MLL)
 FILL-GRADED SAND (LLL)
 FILL-GRADED SAND (CLLL)
 FILL-GRADED SAND (CHLL)
 FILL-GRADED SAND (MHL)
 FILL-GRADED SAND (MLL)
 FILL-GRADED SAND (LLL)
 FILL-GRADED SAND (CLLL)
 FILL-GRADED SAND (CHLL)

NOTES:

Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified
 California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
 140 lb hammer with a 30" drop (Automatic Hammer)

NOTES: Void distribution of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.

LEGEND OF BORING OPERATIONS

57 mm CONE
 PENETRATION
 ELECTRONIC CONE
 PENETROMETER TESTS
 Cone Penetration Test (CPT) in accordance with ASTM standard D-3441-98, or as noted.

NOTES:

The Horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

BENCHMARK:

CPT-AS-67
 8.00' Lt. Sta 1004+66
 "SB" TRACK

AS-17
 8.0' Lt. Sta 1003+30
 "SB" TRACK

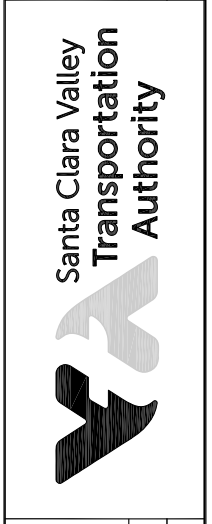
PLAN
 1"=30'

PROFILE
 Hor.: 1" = 30'
 Vert.: 1" = 10'

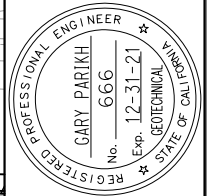
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN GRAPHIC SCALE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
LOG OF TEST BORINGS
STA 1007+00 TO STA 1012+65

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS



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1497 N. MILPITAS BLVD.
MILPITAS, CA 95035

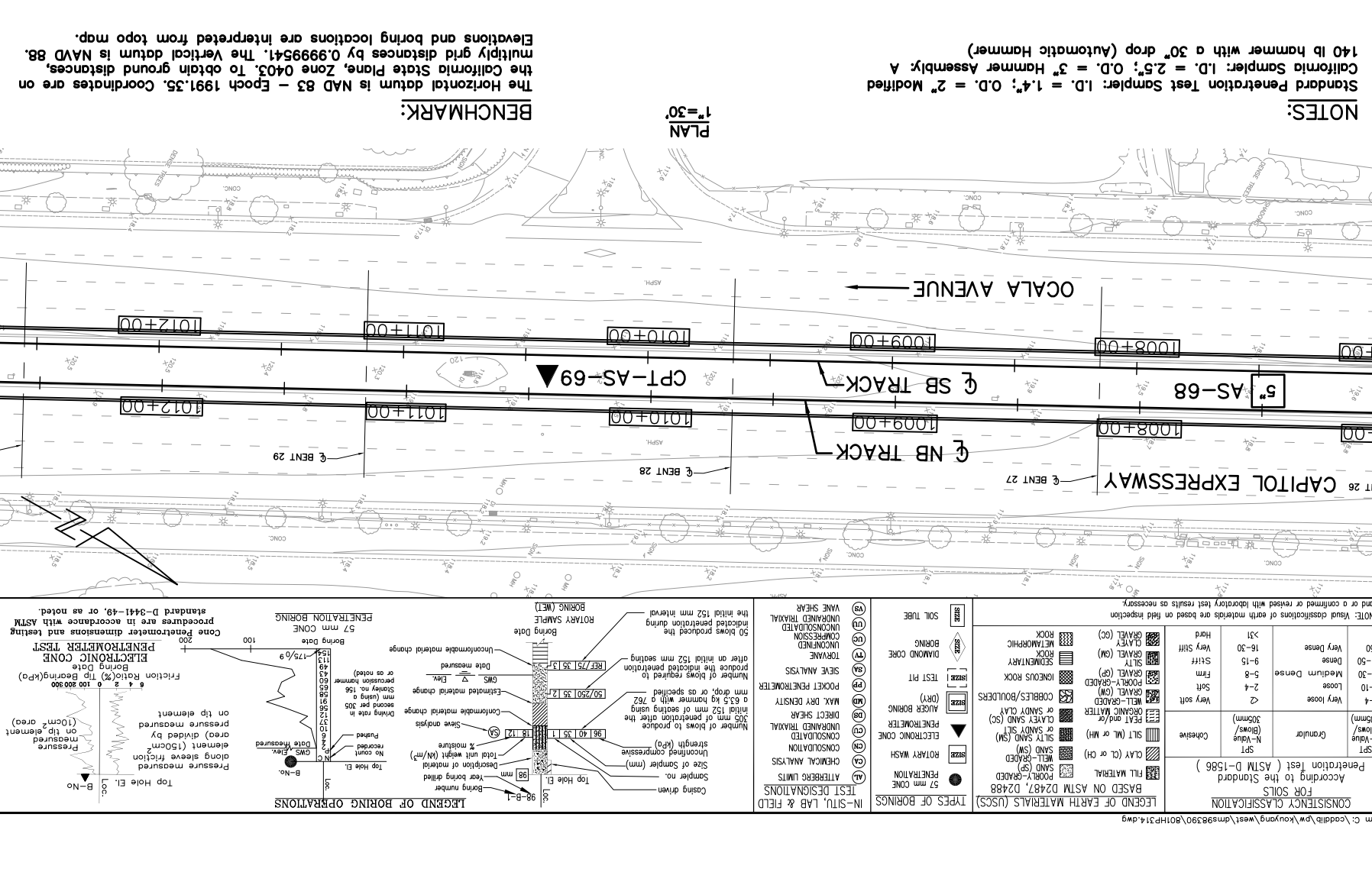
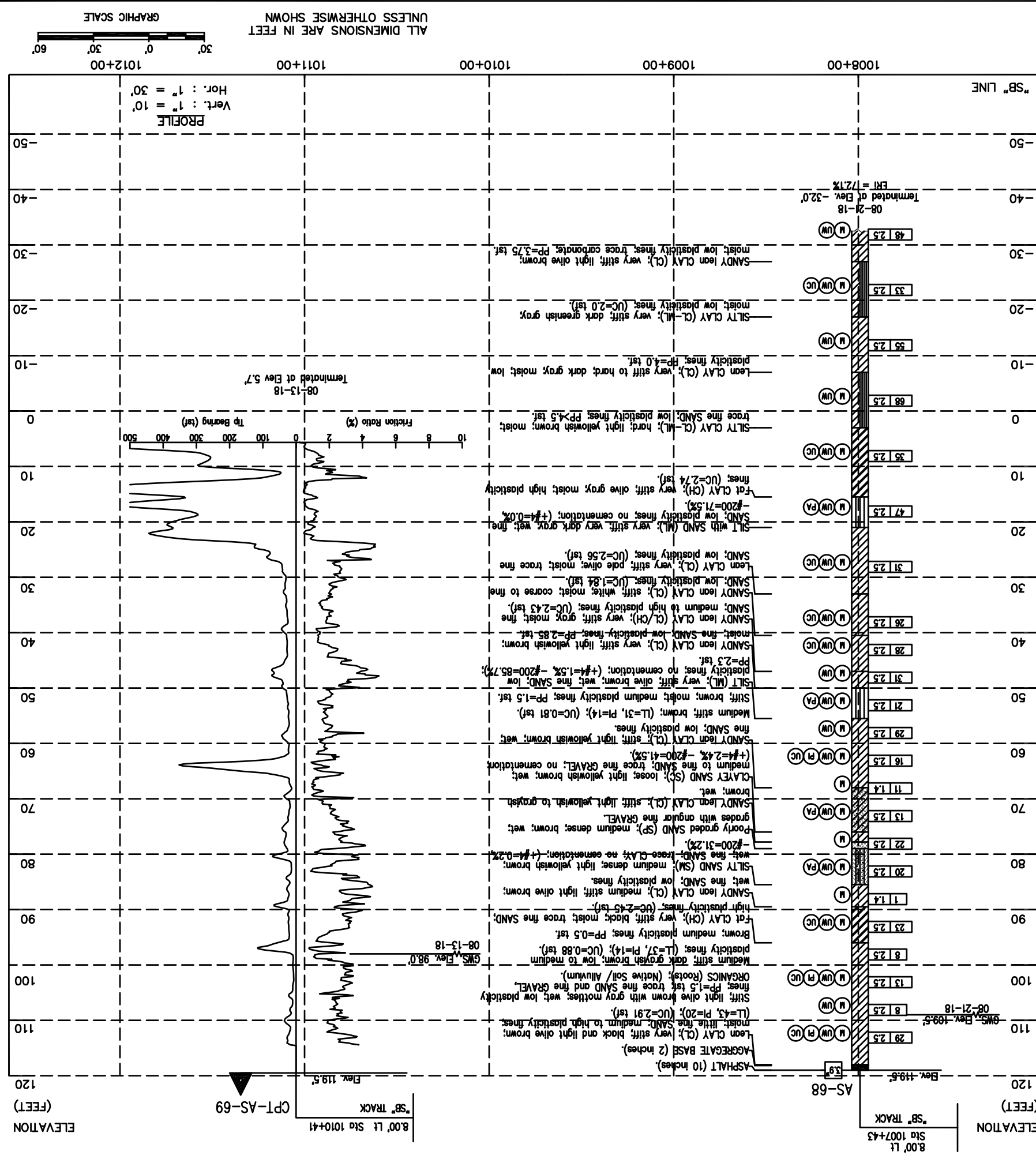


NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

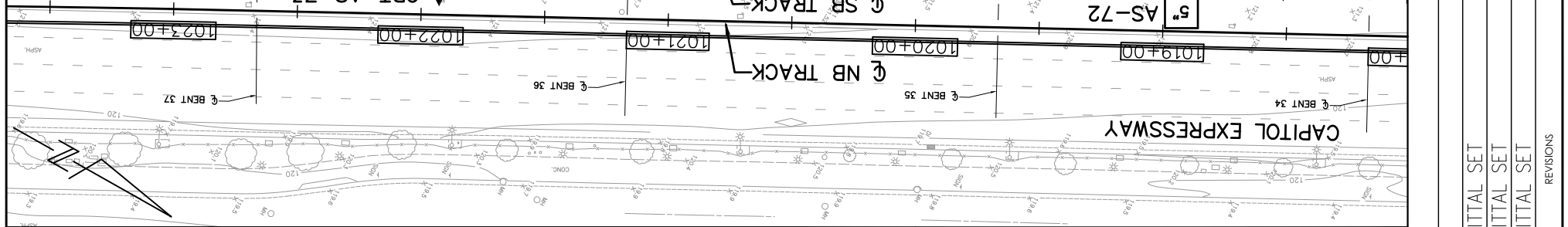
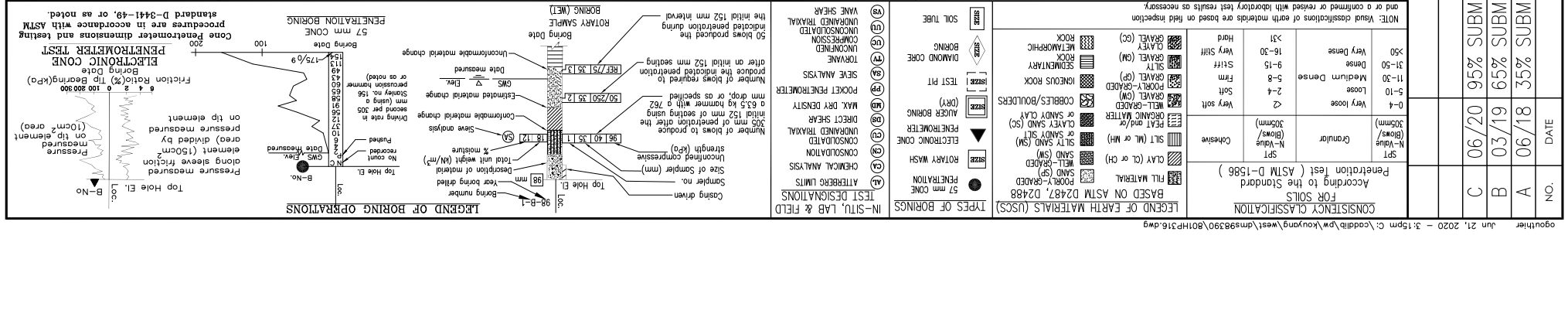
DESIGNED: E. Ortakci
CHECKED: A. Laim
DRAWN: K. Ouyang
SCALE: 1:30
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE: 03/26/20
CADD REVISIONS: 801HP314.dwg

PROJECTWISE: C801
FILE LOCATION: 000
CONTRACT NO.: C801

SHEET OF
DRAWING NO. HP314
REVISION C

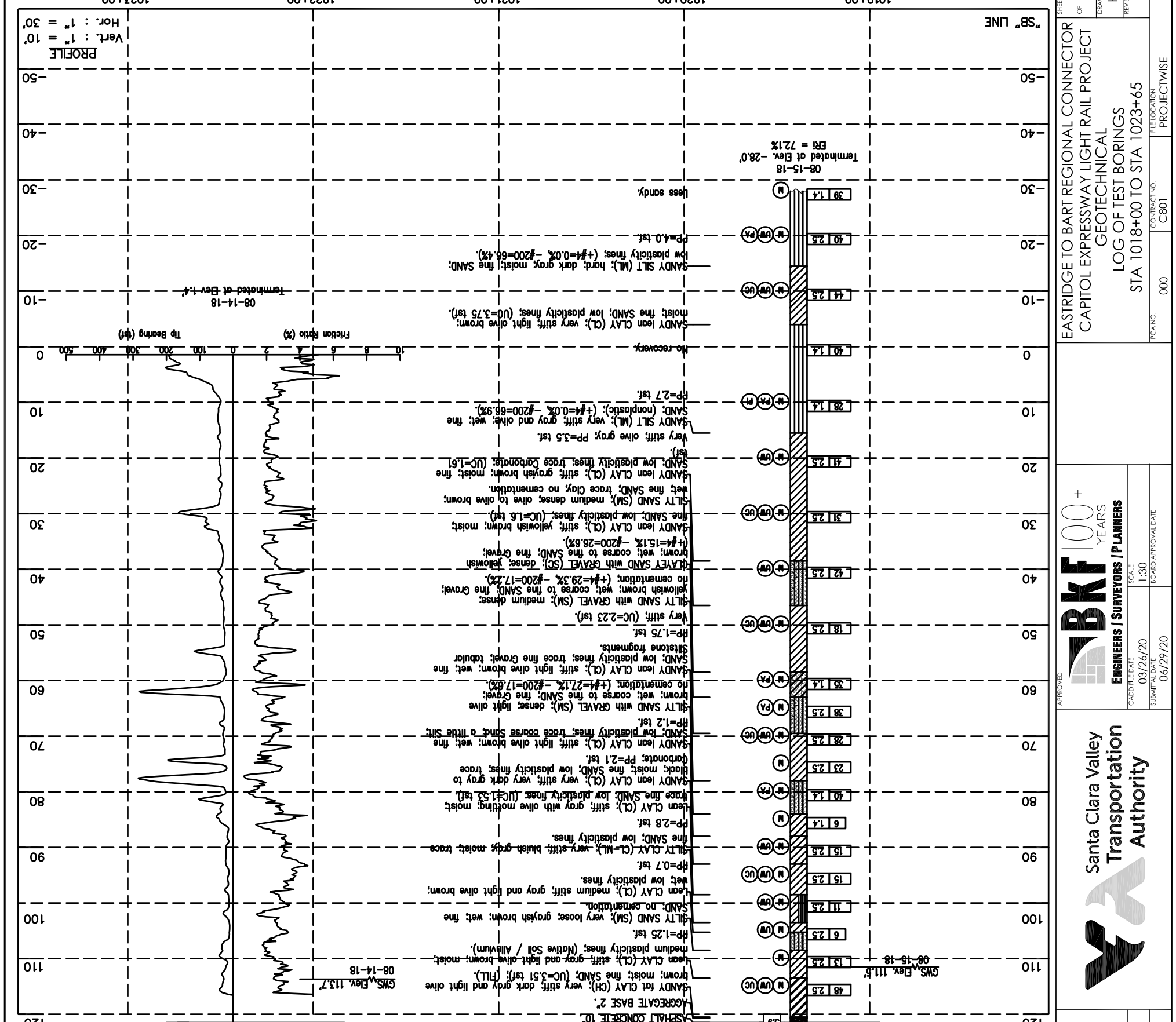


AS-68, AS-69, SB TRACK, NB TRACK, ELEVATION (FEET), 120, 110, 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 0, -10, -20, -30, -40, -50

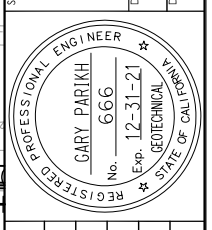


NOTES:
Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified
140 lb hammer with a 30" drop (Automatic Hammer)
Cone Penetration Test Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
The horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

BENCHMARK:
PLAN
1"=30'

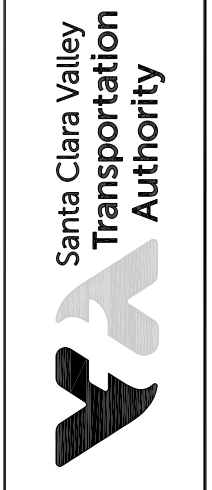


NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET



PARIKH
 Practicing in the Geotechnical
 1497 N. MILPITAS BLVD.
 MILPITAS, CA 95035

DESIGNED: E. Ortakci
 CHECKED: A. Laim
 DRAWN: K. Ouyang
 CAD/DRAWN: 801HP318.dwg



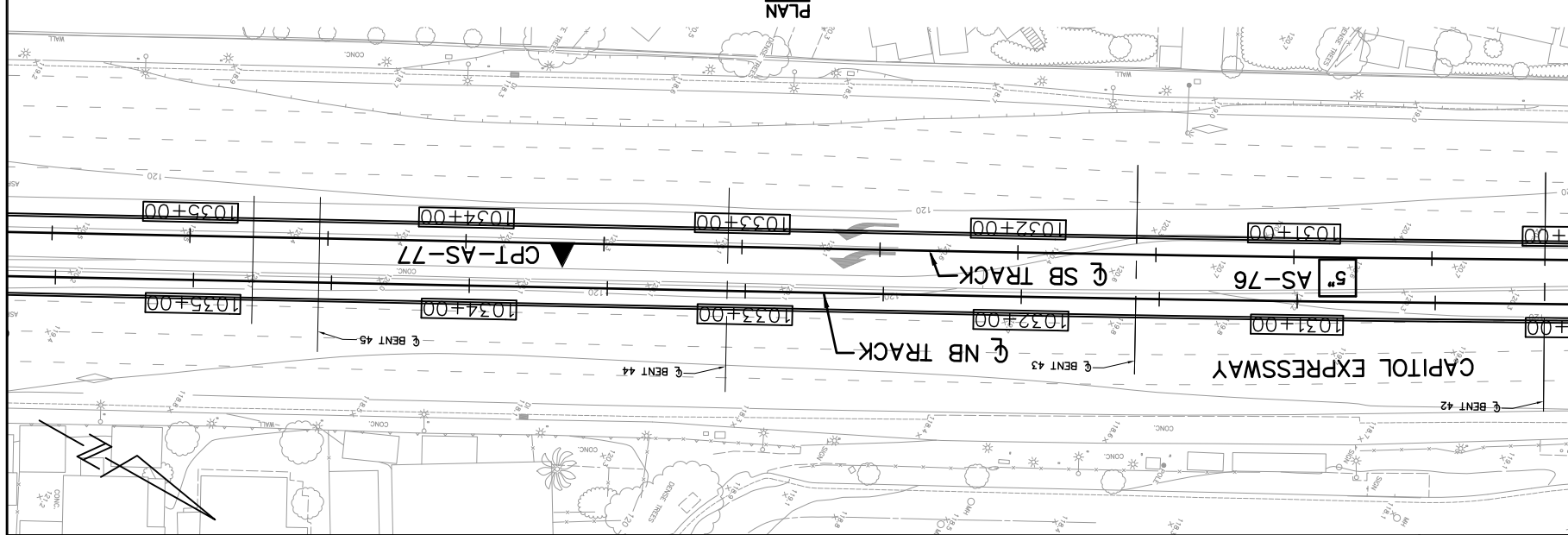
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CAD/DRAWN: 03/26/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1:30
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 1030+00 TO STA 1035+65

DRAWING NO.: HP318
 REVISION: C

FILE LOCATION: PROJECTWISE
 CONTRACT NO.: C801
 PCANNO.: 000



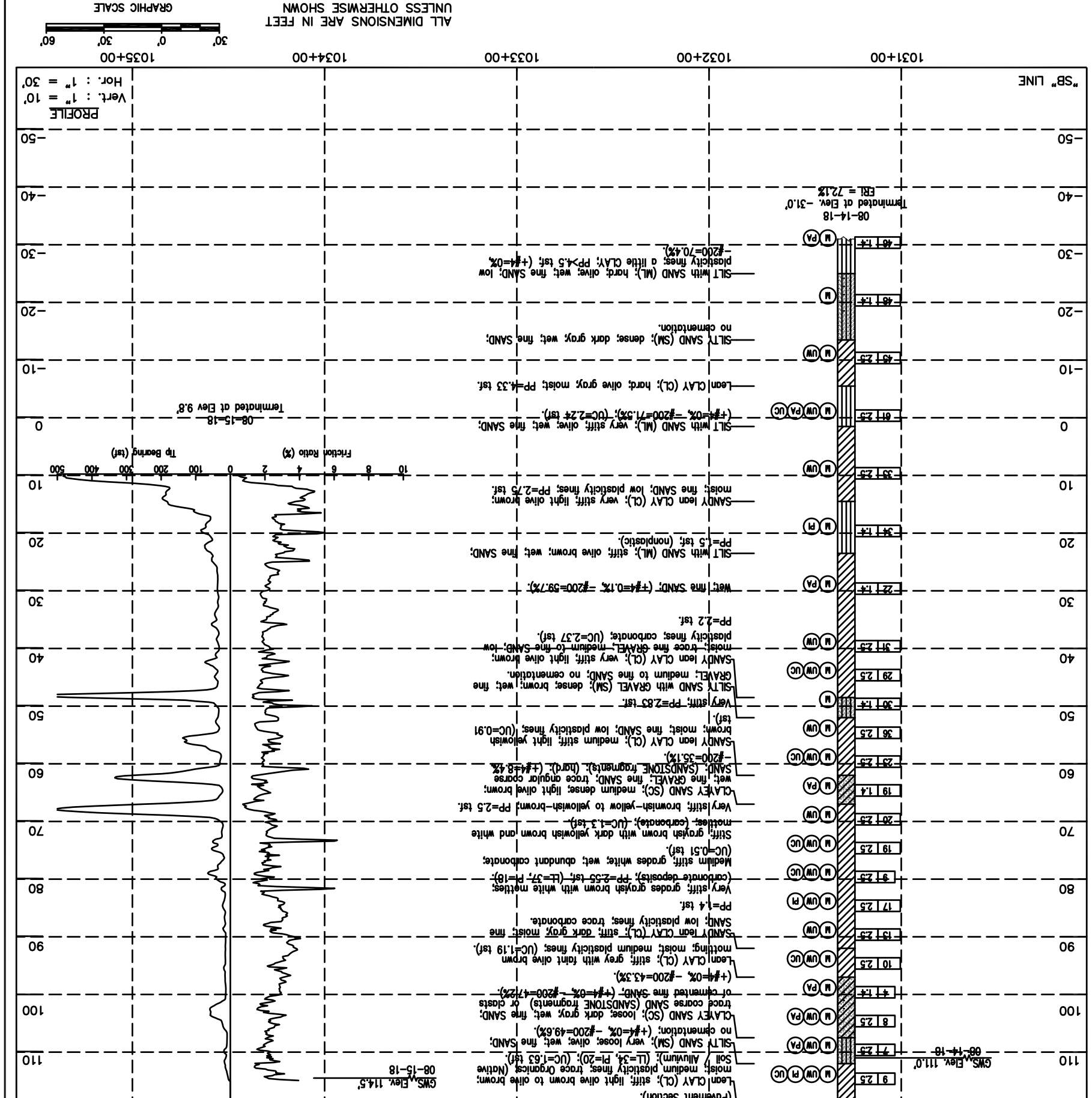
NOTES:

Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

The horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

BENCHMARK:

1"=30'



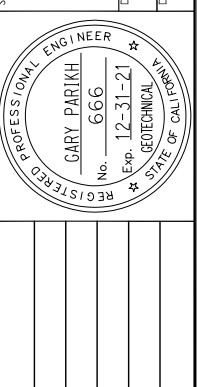
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

GRAPHIC SCALE

Hor.: 1" = 30'
 Vert.: 1" = 10'

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET

DESIGNED: E. Ortakci
CHECKED: A. Laim
DRAWN: K. Ouyang
CADD USER/NO: 801HP13.dwg



PARIKH Engineering
1497 N. MILPITAS BLVD.
MILPITAS, CA 95035

APPROVED
ENGINEERS / SURVEYORS / PLANNERS
YEARS
100+

Santa Clara Valley Transportation Authority

FILE LOCATION: PROJECTWISE
CONTRACT NO.: C801
PCANNO: 000

CARD RELEASE DATE: 03/26/20
SUBMIT DATE: 06/29/20
SCALE: 1:30
BOARD APPROVAL DATE: 06/29/20

SHEET OF
DRAWING NO. HP319
REVISION: C

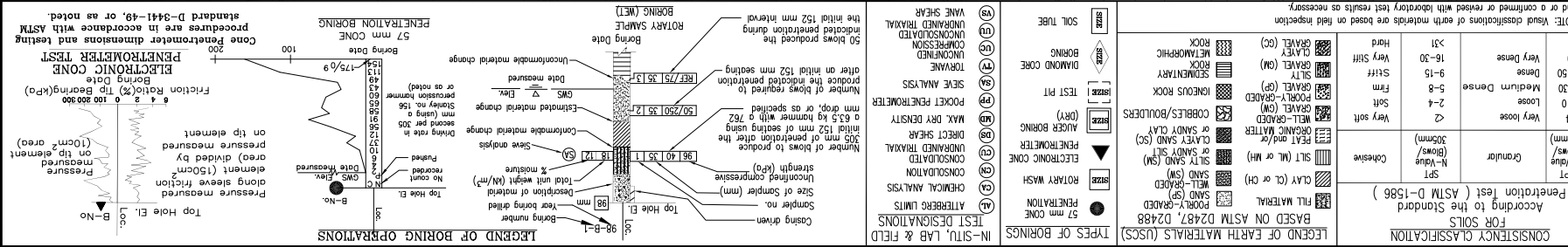
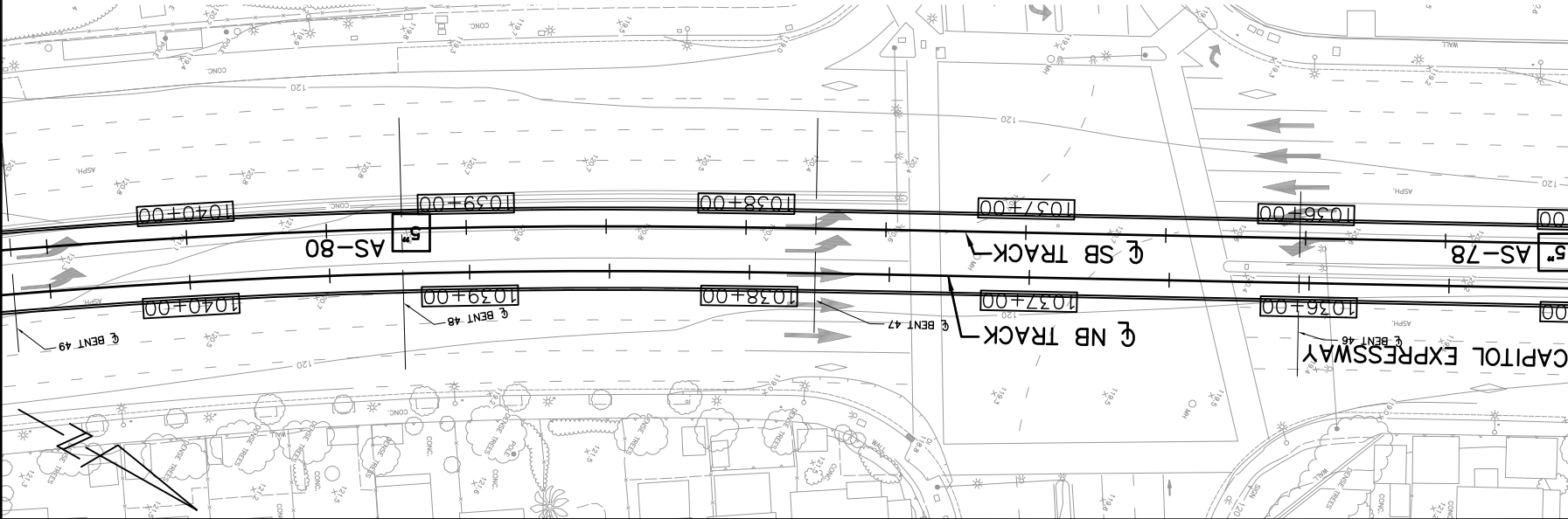
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
LOG OF TEST BORINGS
STA 1035+00 TO STA 1040+65

NOTES:

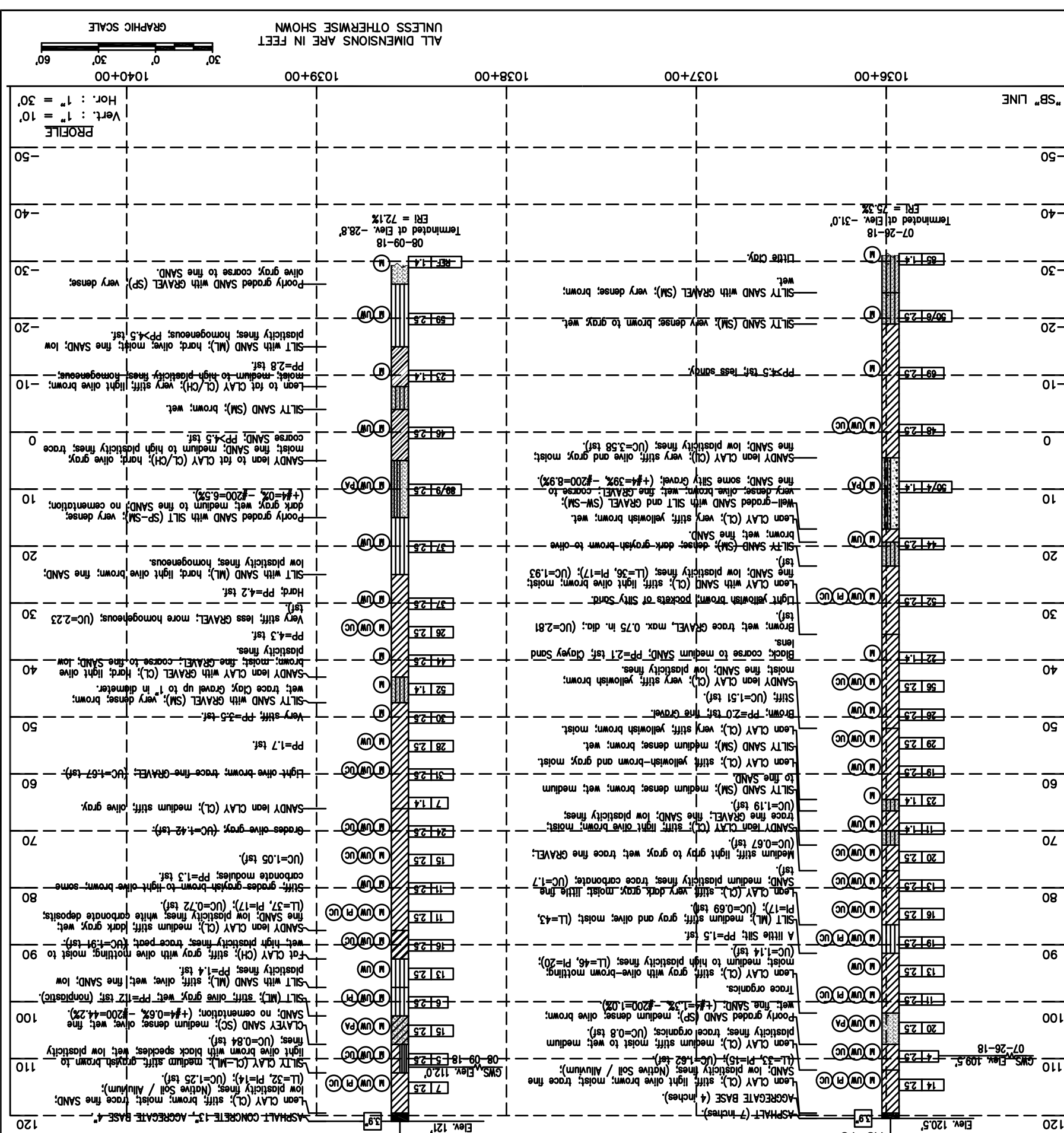
Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

BENCHMARK:

The horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from top map.



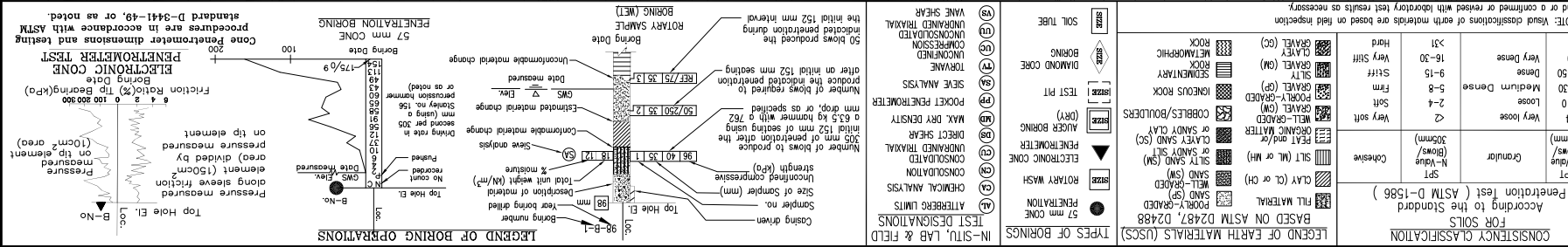
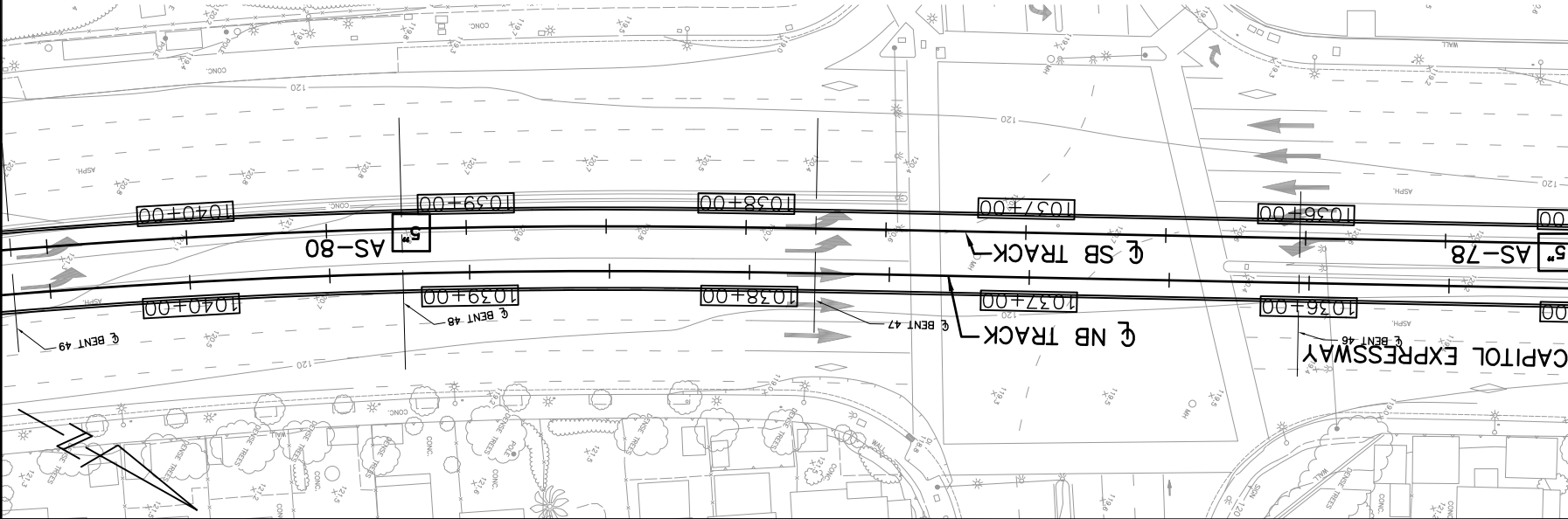
Legend of Earth Materials (USCS)
Based on ASTM D2487, D2488
Penetration test (ASTM D-1586)
According to the Standard
FOR SOILS
Consistency Classification
NOTE: Void classifications of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.



The Horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from top map.

Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

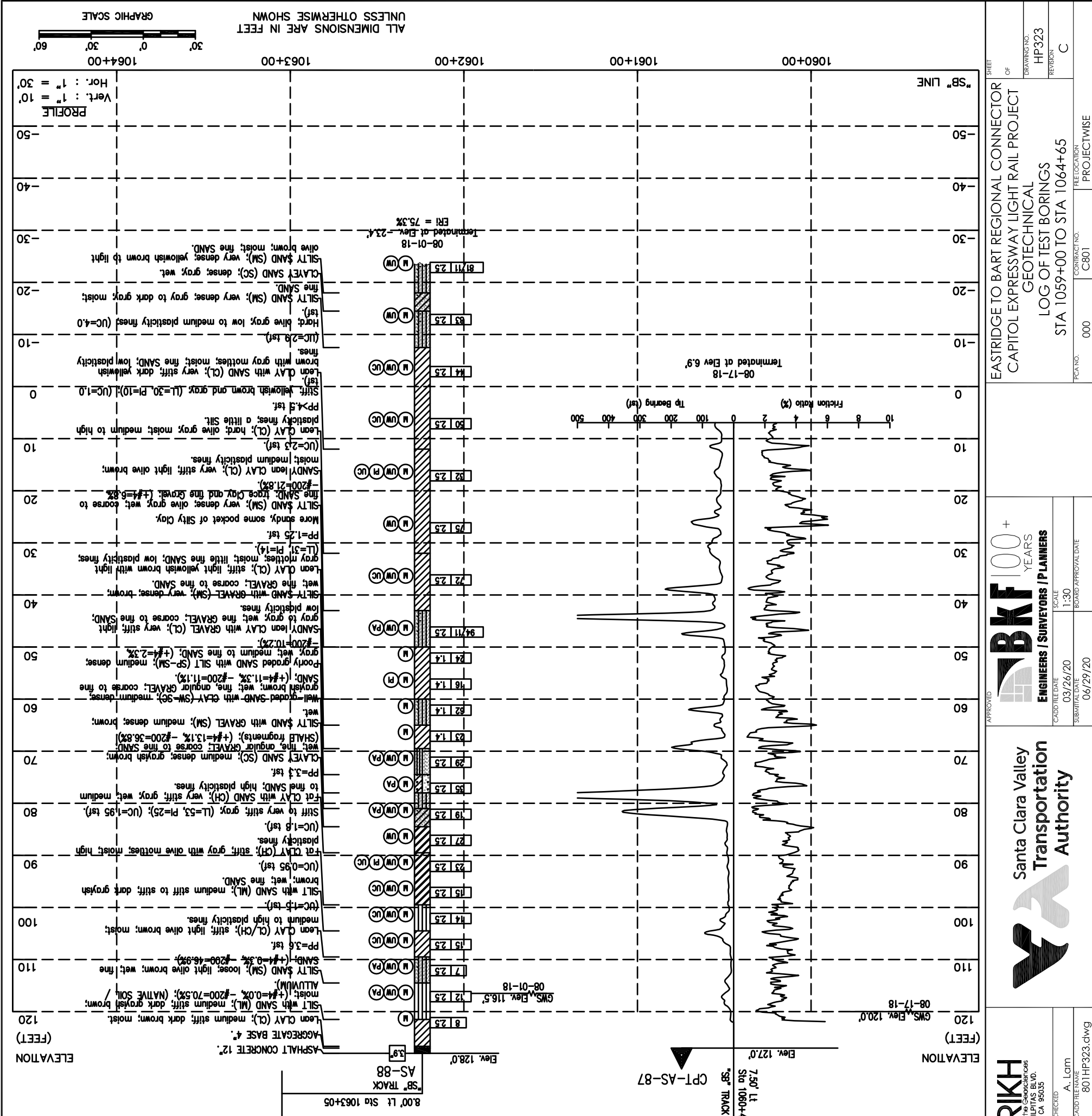
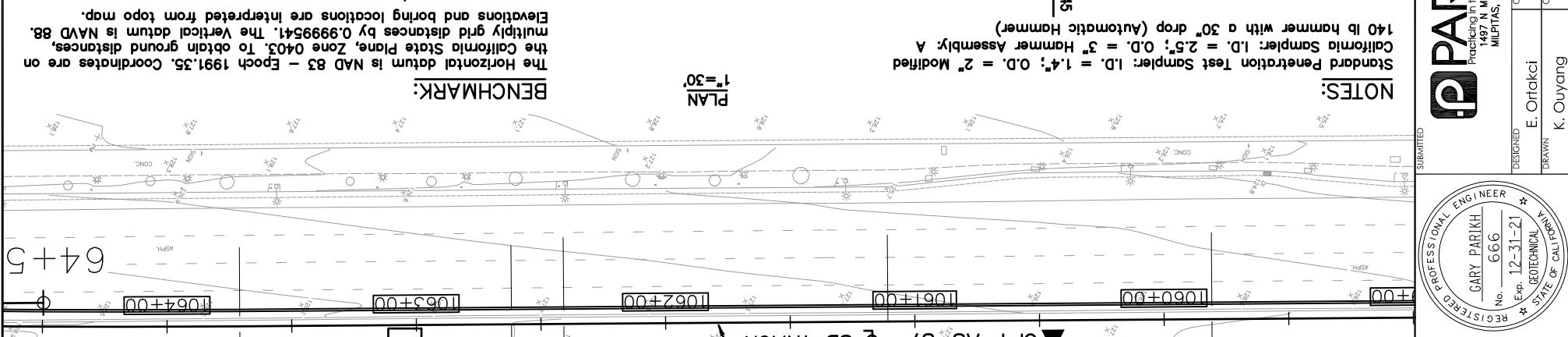
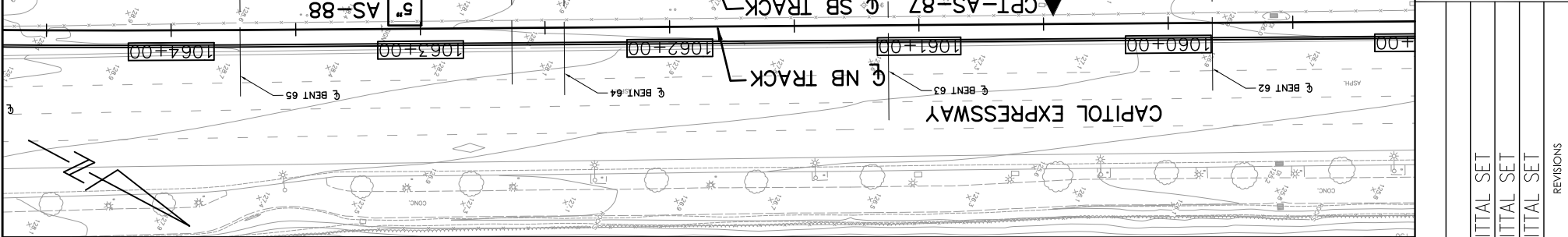
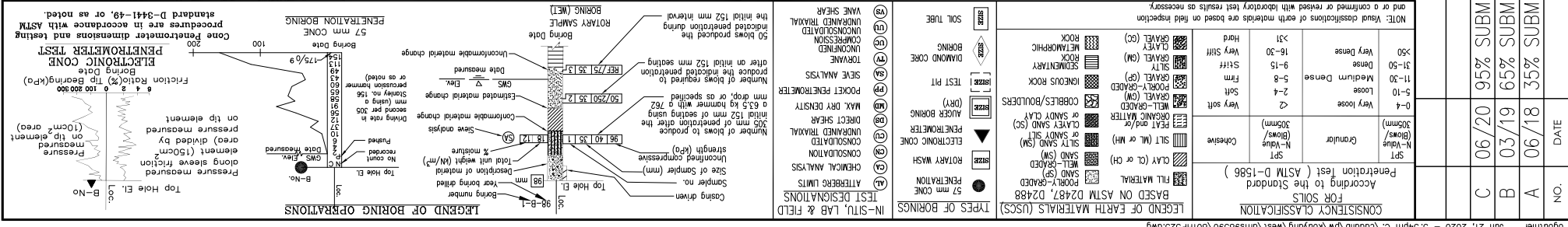
BENCHMARK:
The horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from top map.



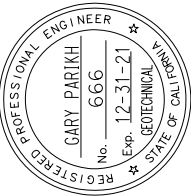
Legend of Earth Materials (USCS)
Based on ASTM D2487, D2488
Penetration test (ASTM D-1586)
According to the Standard
FOR SOILS
Consistency Classification
NOTE: Void classifications of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.

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Penetration test (ASTM D-1586)
According to the Standard
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Consistency Classification
NOTE: Void classifications of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.



NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET



PARIKH
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MILPITAS, CA 95035

DESIGNED: E. Ortakci
CHECKED: A. Laim
DRAWN: K. Ouyang
CAD FILE NAME: 801HP323.dwg

SA
Santa Clara Valley
Transportation
Authority

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CARD RELEASE DATE: 03/26/20
SUBMIT DATE: 06/29/20
SCALE: 1:30
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
LOG OF TEST BORINGS
STA 1059+00 TO STA 1064+65

DRAWING NO.: HP323
REVISION: C

FILE LOCATION: PROJECTWISE
CONTRACT NO.: C801
PCAN NO.: 000

NOTE: Void classifications of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.

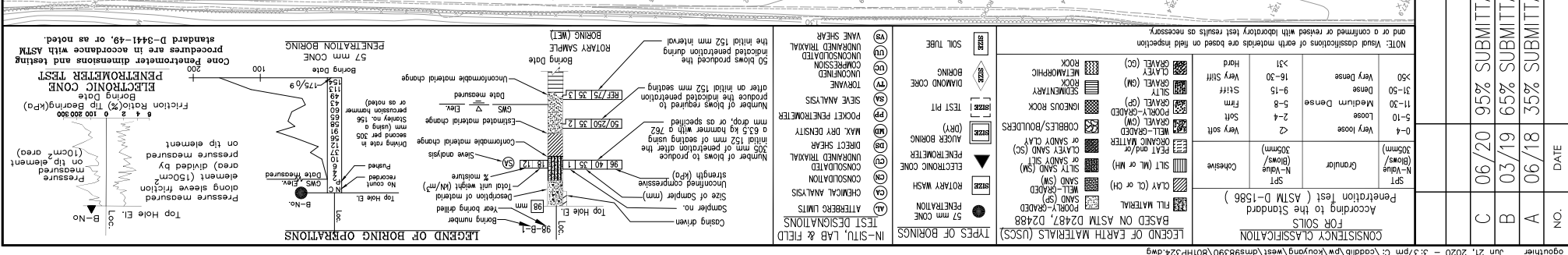
BASED ON ASTM D2487, D2488
SPT
Penetration test (ASTM D-1586)

LEGEND OF EARTH MATERIALS (USCS)

TYPES OF BORINGS

- 57 mm CONE PENETRATION
- ROTARY MASH PENETRATION
- ELECTRONIC CONE PENETROMETER
- AUGER BORING
- TEST PIT
- DIAMOND CORE BORING
- SOL TUBE

NOTES:
Standard Penetration Test Sampler: I.D. = 1.4", O.D. = 2" Modified California Sampler: I.D. = 2.5", O.D. = 3" Hammer Assembly: A
140 lb hammer with a 30" drop (Automatic Hammer)
Elevations and boring locations are interpreted from top map. The horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The vertical datum is NAVD 88.



NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET

REGISTERED PROFESSIONAL ENGINEER
GARY PARIKH
 No. 666
 Exp. 12-31-21
 GEOTECHNICAL
 STATE OF CALIFORNIA

PARIKH
 Practicing in the Geotechnical
 1497 N. MILPITAS BLVD.
 MILPITAS, CA 95035

DESIGNED: E. Ortakci
 CHECKED: A. Laim
 DRAWN: K. Ouyang
 CAD/DRAWN/SCALE: 801HP324.dwg
 BOARD APPROVAL DATE: 06/29/20

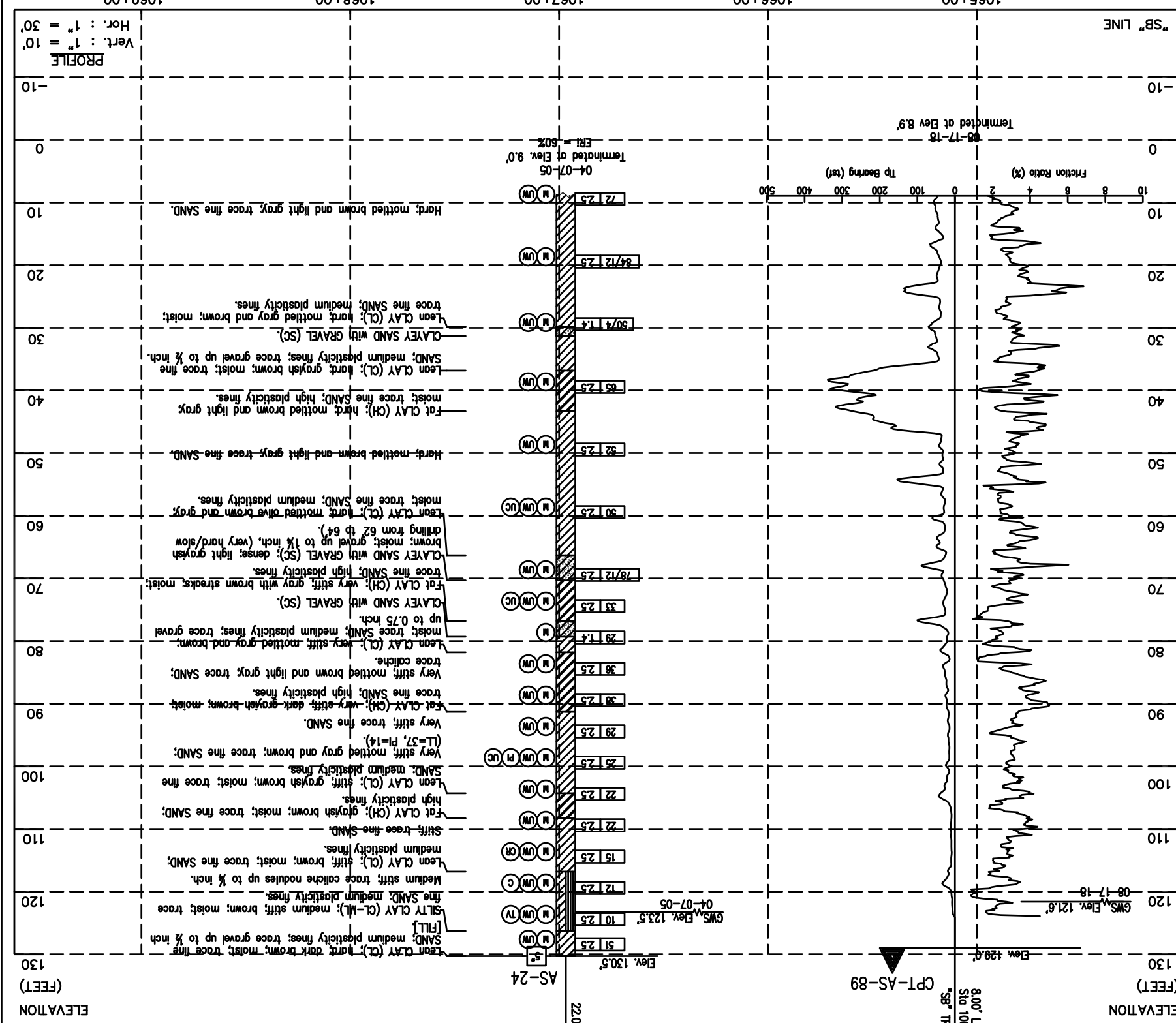
YEA
**Santa Clara Valley
 Transportation
 Authority**

BKF 100+
 YEARS
ENGINEERS / SURVEYORS / PLANNERS

CAD/DRAWN/SCALE: 03/26/20
 SUBMITTAL DATE: 06/29/20

SHEET OF
**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT**
 GEOTECHNICAL
LOG OF TEST BORINGS
 STA 1064+00 TO STA 1069+65

DRAWING NO. HP324
 REVISION C
 FILE LOCATION: PROJECTWISE
 CONTRACT NO. C801
 PCAN NO. 000



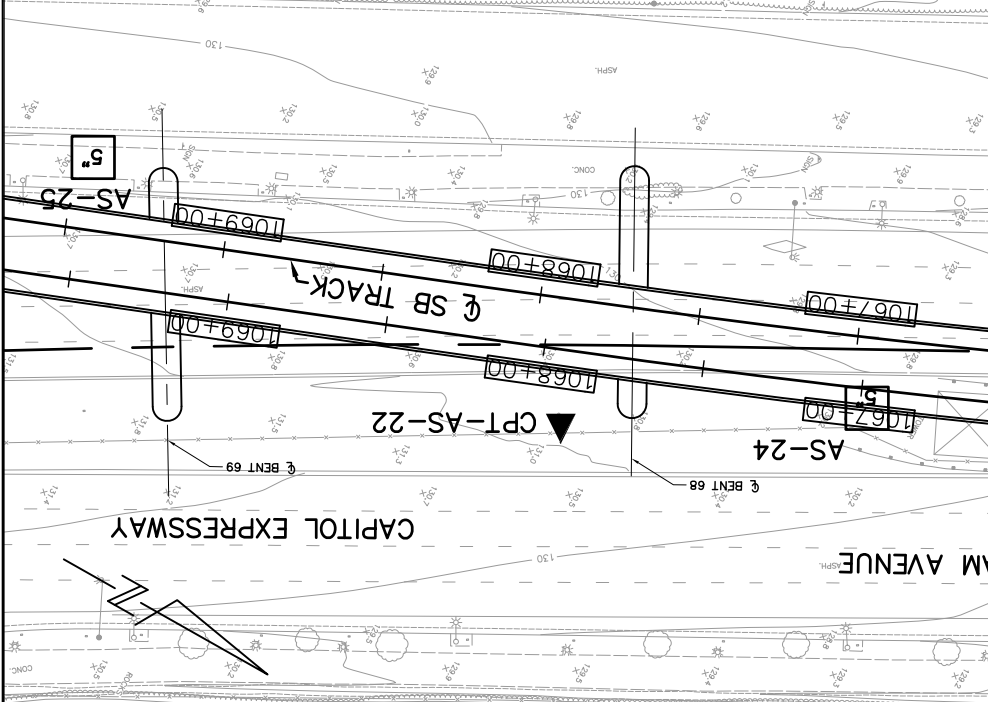
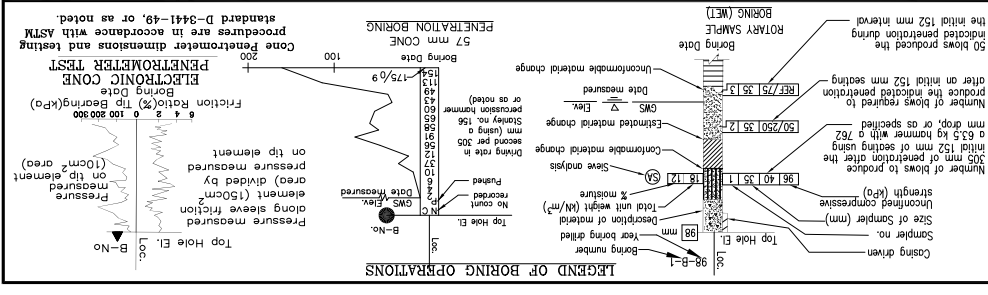
GRAPHIC SCALE
 1069+00 0 30 60
 ALL DIMENSIONS ARE IN FEET
 UNLESS OTHERWISE SHOWN

NOTES:

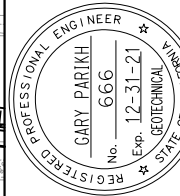
Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

PLAN
 1"=30'

BENCHMARK:
 The Horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.



NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET



PARIKH
 GARY PARIKH
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 1497 N. MILPITAS BLVD.
 MILPITAS, CA 95035

DESIGNED: E. Ortakci
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 DRAWN: K. Ouyang
 CAD/DRAWN: 801HP325.dwg

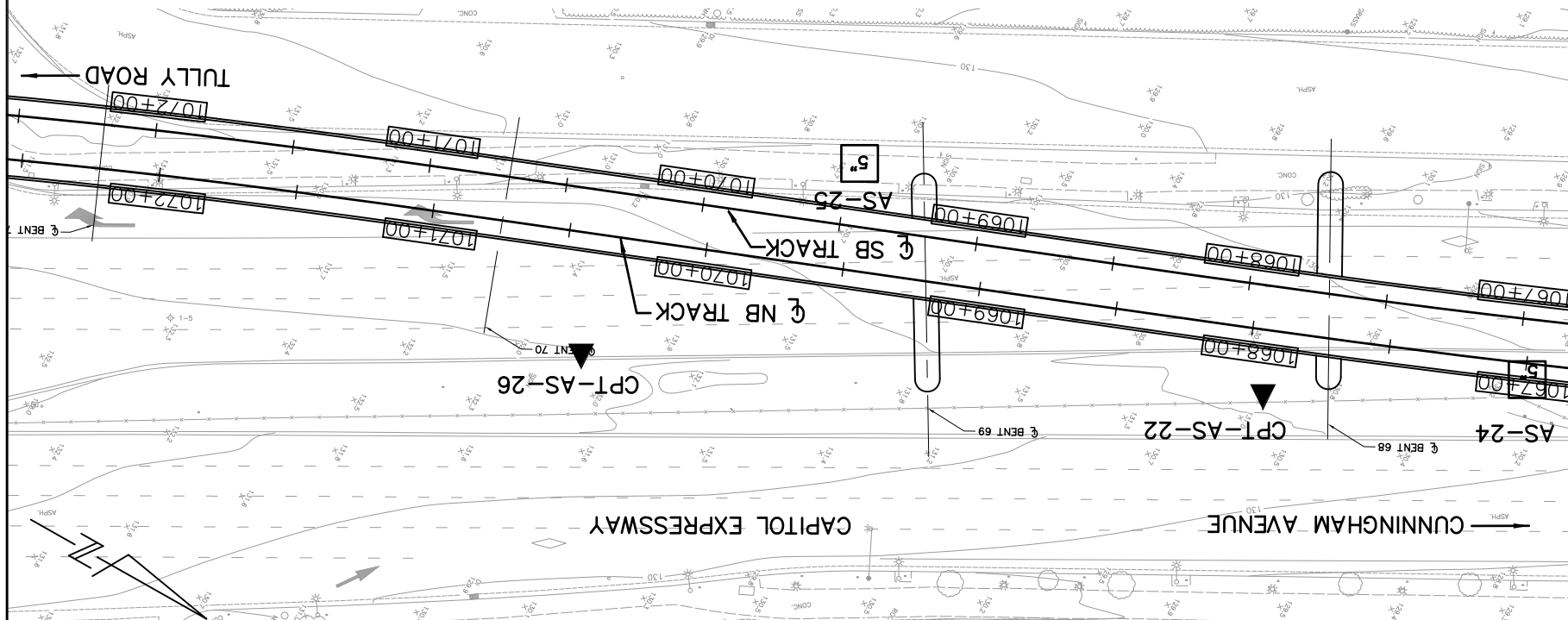


BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

SCALE: 1:30
 BOARD APPROVAL DATE: 06/29/20
 SUBMIT DATE: 03/26/20

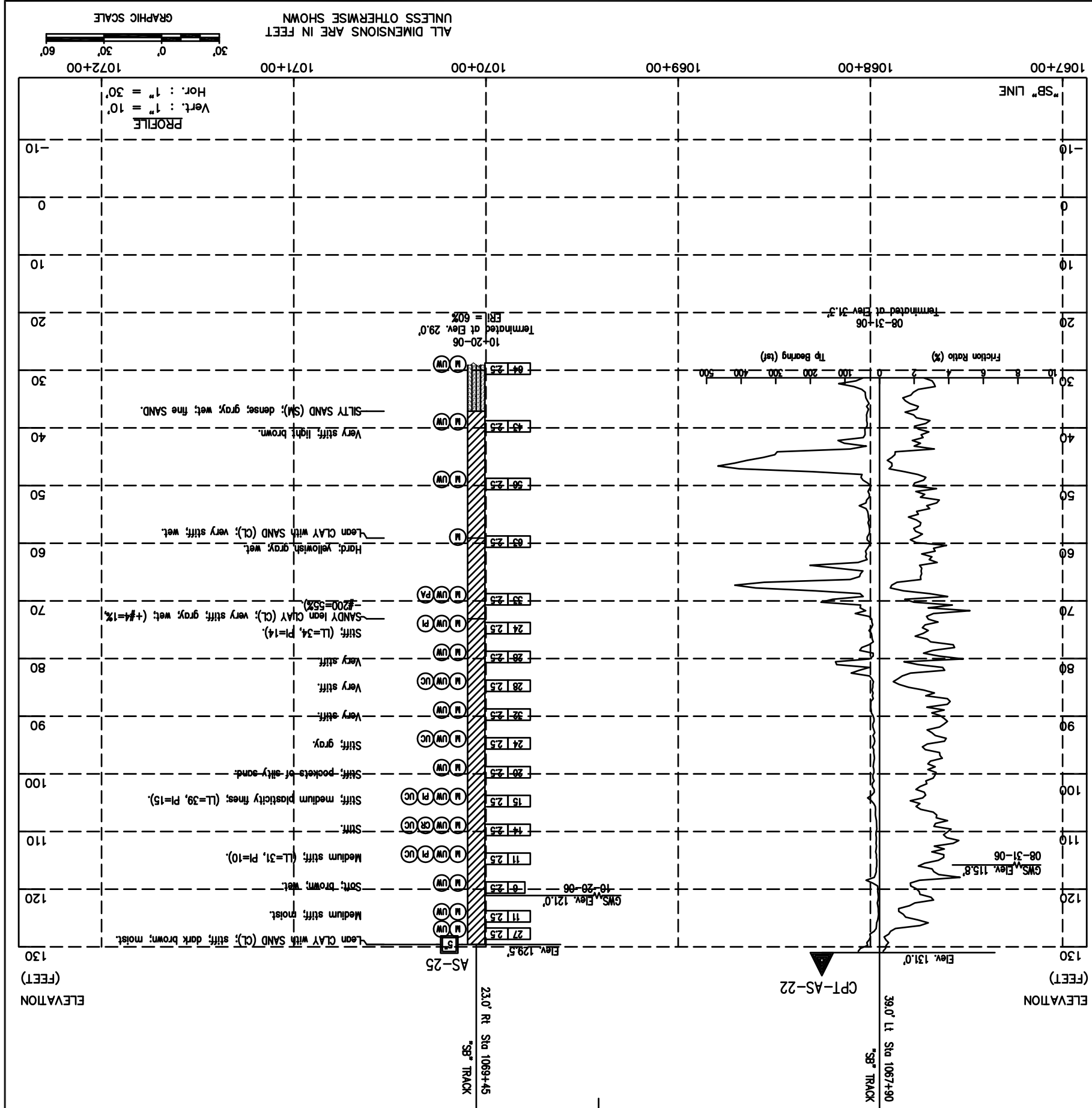
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 1066+80 TO STA 1072+50

CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE
 PCAN NO.: 000



NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

BENCHMARK:
 The California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.



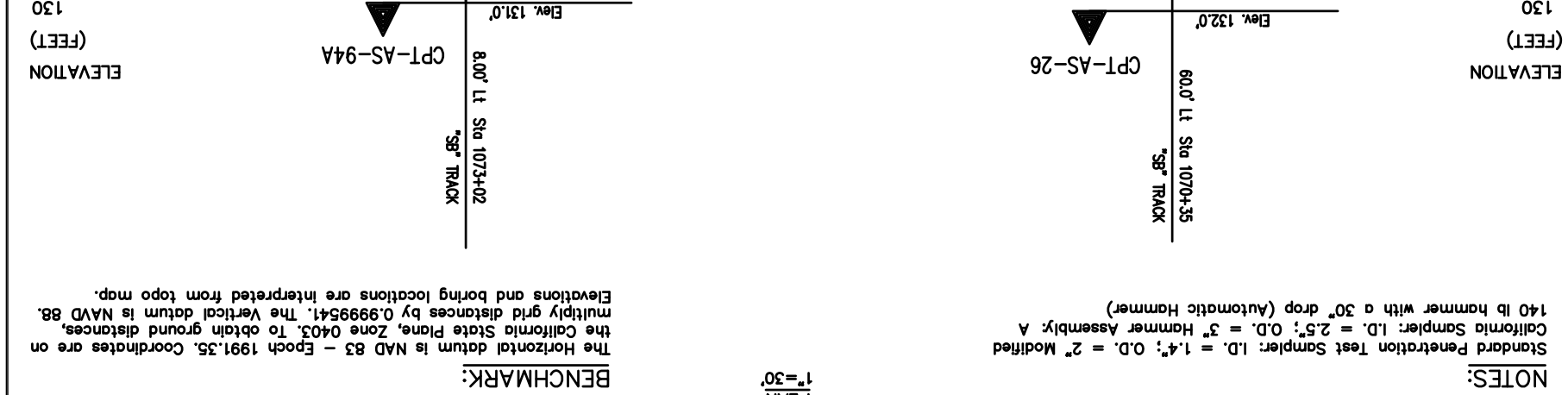
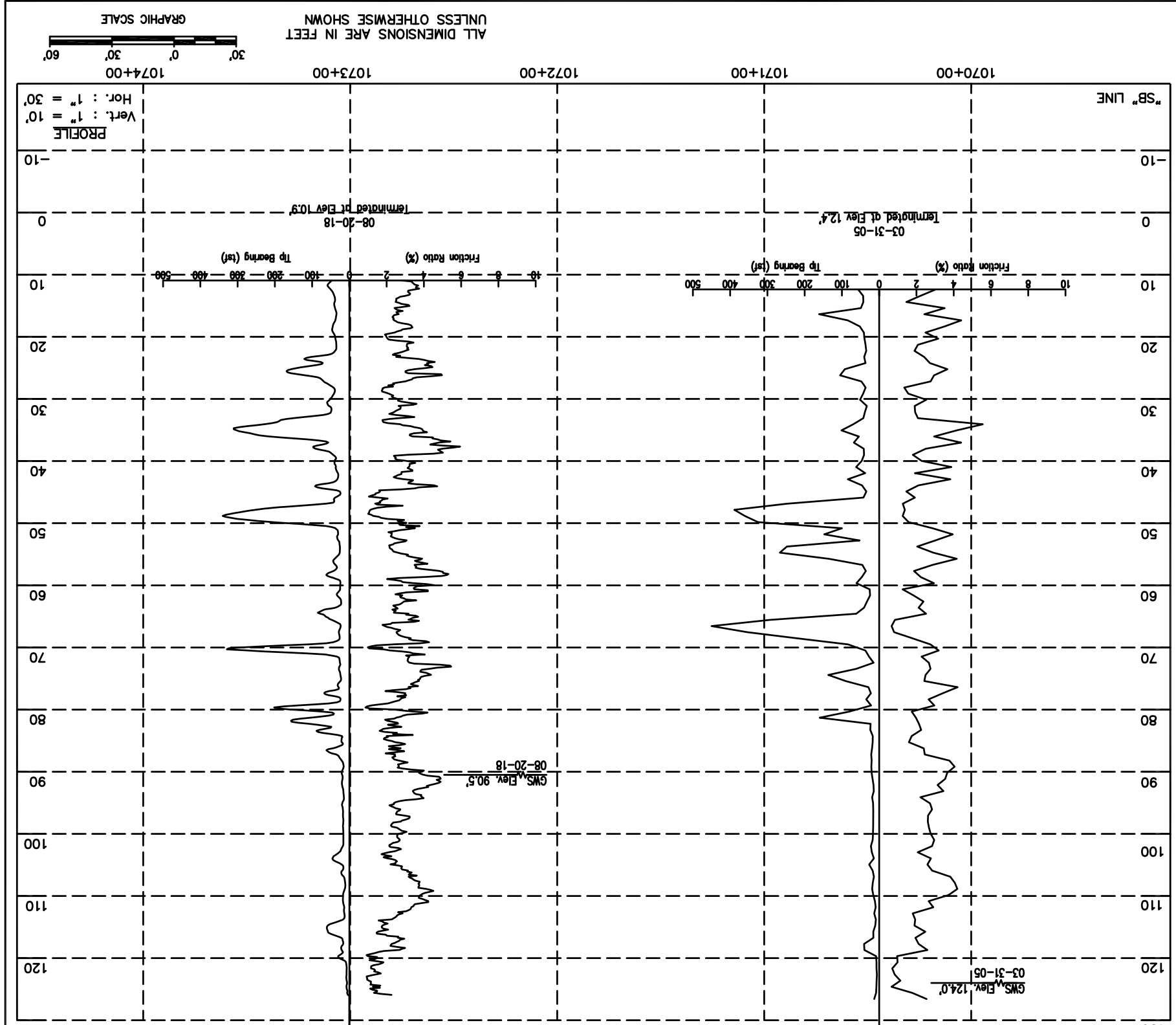
LEGEND OF EARTH MATERIALS (USCS)
 BASED ON ASTM D2487, D2488
 SPT
 Penetration test (ASTM D-1586)
 According to the Standard

FOR SOILS

SP	Very loose	0-4
SL	Loose	5-10
SM	Medium Dense	11-30
SS	Dense	31-50

TYPE OF BORINGS

SB	Standard Penetration Test
CB	Cone Penetration Test
AS	Auger Boring
AS-25	AS-25 Boring
AS-26	AS-26 Boring
AS-22	AS-22 Boring
AS-24	AS-24 Boring



NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)
 The Horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

LEGEND OF BORING OPERATIONS

LEGEND OF EARTH MATERIALS (USCS)

TYPES OF BORINGS

TEST DESIGNATIONS

LEGEND OF BORING OPERATIONS

LEGEND OF EARTH MATERIALS (USCS)

TYPES OF BORINGS

TEST DESIGNATIONS

LEGEND OF BORING OPERATIONS

LEGEND OF EARTH MATERIALS (USCS)

TYPES OF BORINGS

TEST DESIGNATIONS

CONSISTENCY CLASSIFICATION

Penetration test (ASTM D-1586)

According to the Standard FOR SOILS

SPT	N-Value (blows/30cm)	Classification
0-4	< 2	Very loose
5-10	2-4	Loose
11-30	5-8	Medium Dense
31-50	9-15	Dense
> 50	> 15	Very Dense

REVISIONS

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET

REGISTRATION

REGISTERED PROFESSIONAL ENGINEER
 GARY PARIKH
 No. 666
 Exp. 12-31-21
 GEOTECHNICAL
 STATE OF CALIFORNIA

DESIGNED E. Ortakci
CHECKED A. Laim
DRAWN K. Ouyang
SCALE 1:30
BOARD APPROVAL DATE 06/29/20
CAD FILE DATE 03/26/20
SUBMIT DATE 06/29/20

PROJECT EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 1069+00 TO STA 1074+65

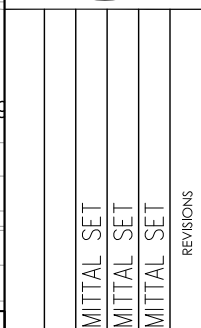
CONTRACT NO. C801
FILE LOCATION PROJECTWISE
PCAN NO. 000

APPROVED **BKF 100+**
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

Santa Clara Valley Transportation Authority

DRAWING NO. HP326
REVISION C

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET



PARIKH
 Gary Parikh
 1497 N. MUPITAS BLVD.
 MUPITAS, CA 95035

Santa Clara Valley Transportation Authority

BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

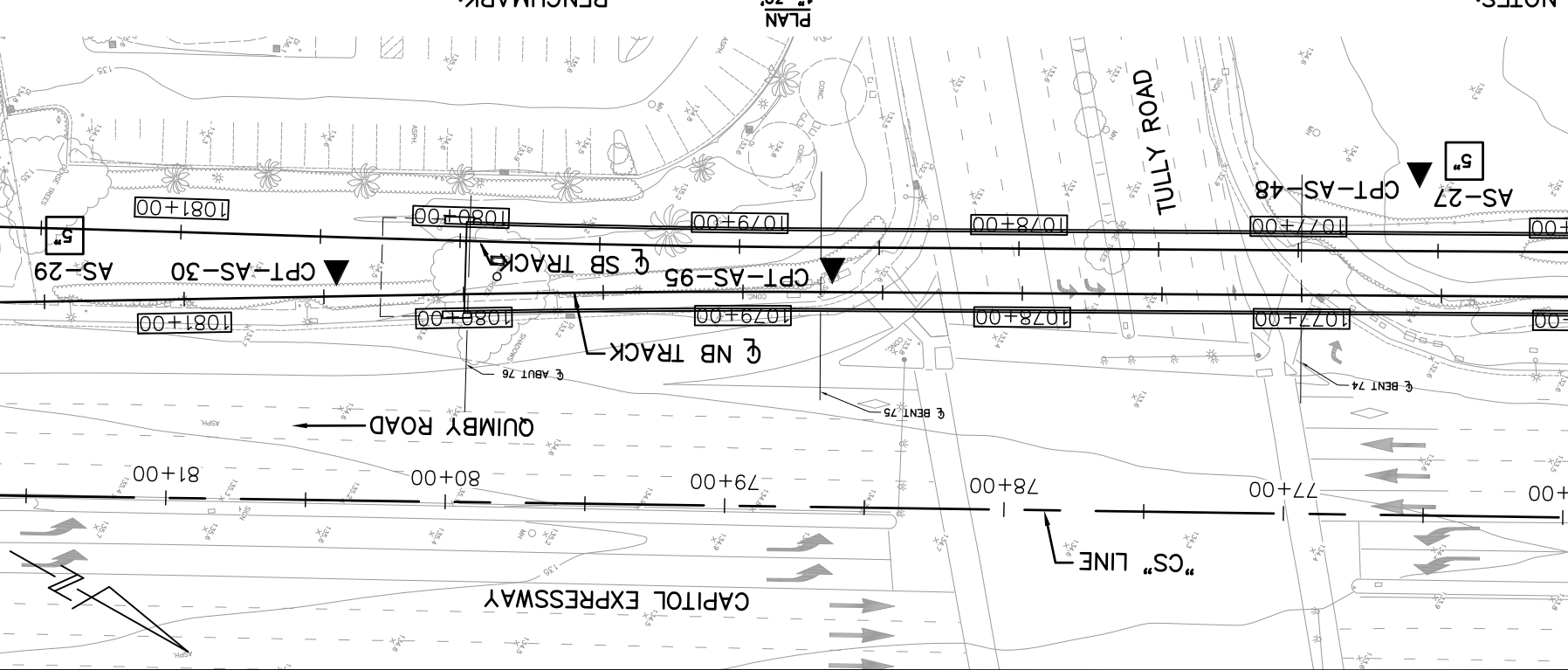
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 BOARD APPROVAL DATE: 06/29/20
 SUBMIT DATE: 03/26/20
 CAD DATE: 03/26/20

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 1076+00 TO STA 1081+65

FILE LOCATION: PROJECTWISE
 CONTRACT NO.: C801
 PC# NO.: 000

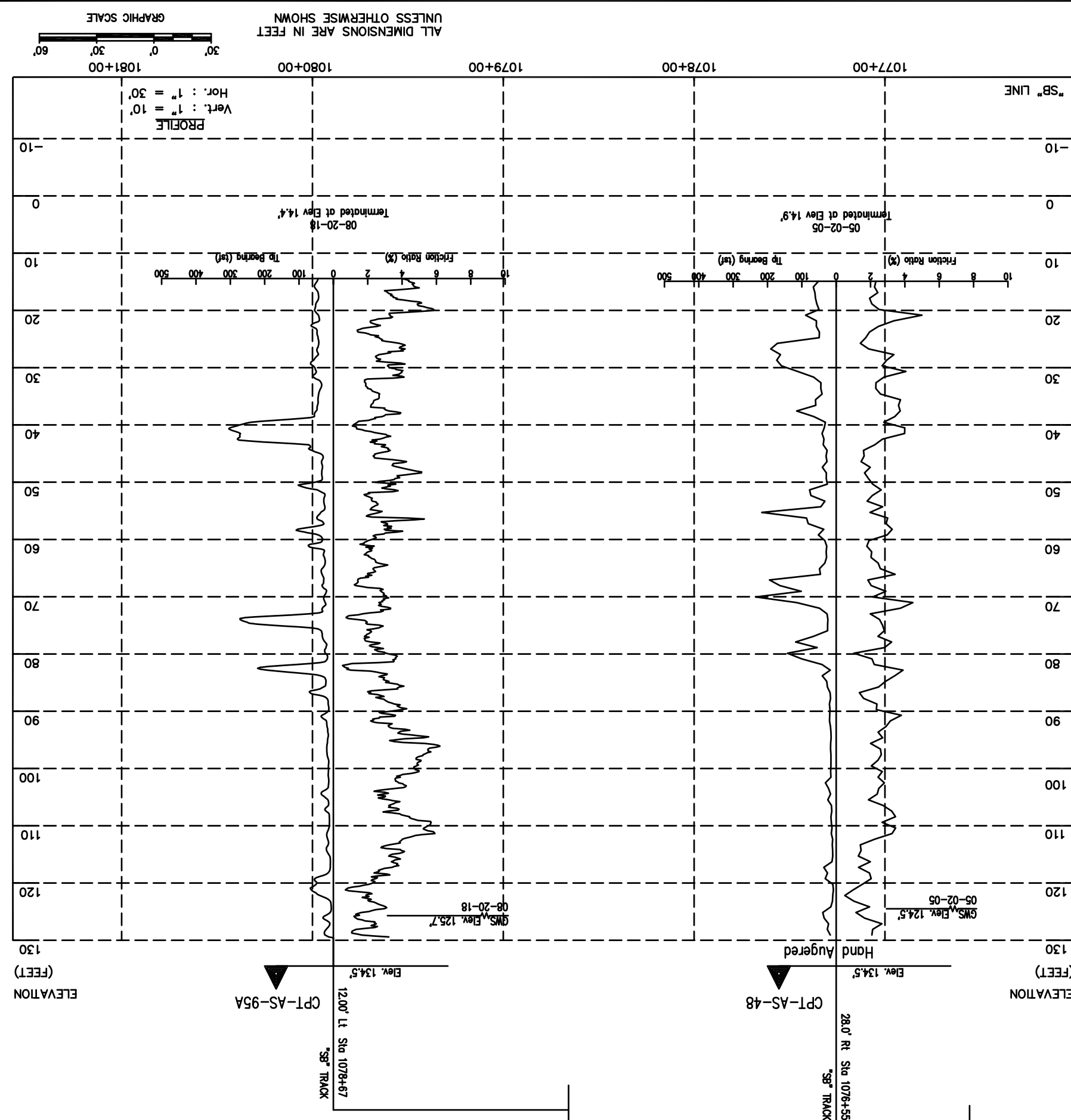
DRAWING NO.: HP328
 REVISION: C

TEST DESIGNATIONS	TEST DESCRIPTIONS	TEST RESULTS
(A) ATTERBERG LIMITS	CHEMICAL ANALYSIS	
(B) UNSATURATED SWELLING	UNSATURATED SWELLING	
(C) UNSATURATED CONSOLIDATION	UNSATURATED CONSOLIDATION	
(D) DIRECT SHEAR	DIRECT SHEAR	
(E) UNSATURATED TRIAXIAL	UNSATURATED TRIAXIAL	
(F) AUGER BORING	AUGER BORING	
(G) PENETROMETER	PENETROMETER	
(H) ELECTRONIC CONE	ELECTRONIC CONE	
(I) ROTARY MASH	ROTARY MASH	
(J) SOL TUBE	SOL TUBE	
(K) DIAMOND CORE	DIAMOND CORE	
(L) UNCONSOLIDATED UNSATURATED TENSILE SHEAR	UNCONSOLIDATED UNSATURATED TENSILE SHEAR	
(M) UNCONSOLIDATED SATURATED TENSILE SHEAR	UNCONSOLIDATED SATURATED TENSILE SHEAR	
(N) UNCONSOLIDATED TRIAXIAL	UNCONSOLIDATED TRIAXIAL	
(O) UNCONSOLIDATED COMPRESSION	UNCONSOLIDATED COMPRESSION	
(P) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(Q) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(R) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(S) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(T) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(U) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(V) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(W) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
(X) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	
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(Z) UNCONSOLIDATED TORSION	UNCONSOLIDATED TORSION	



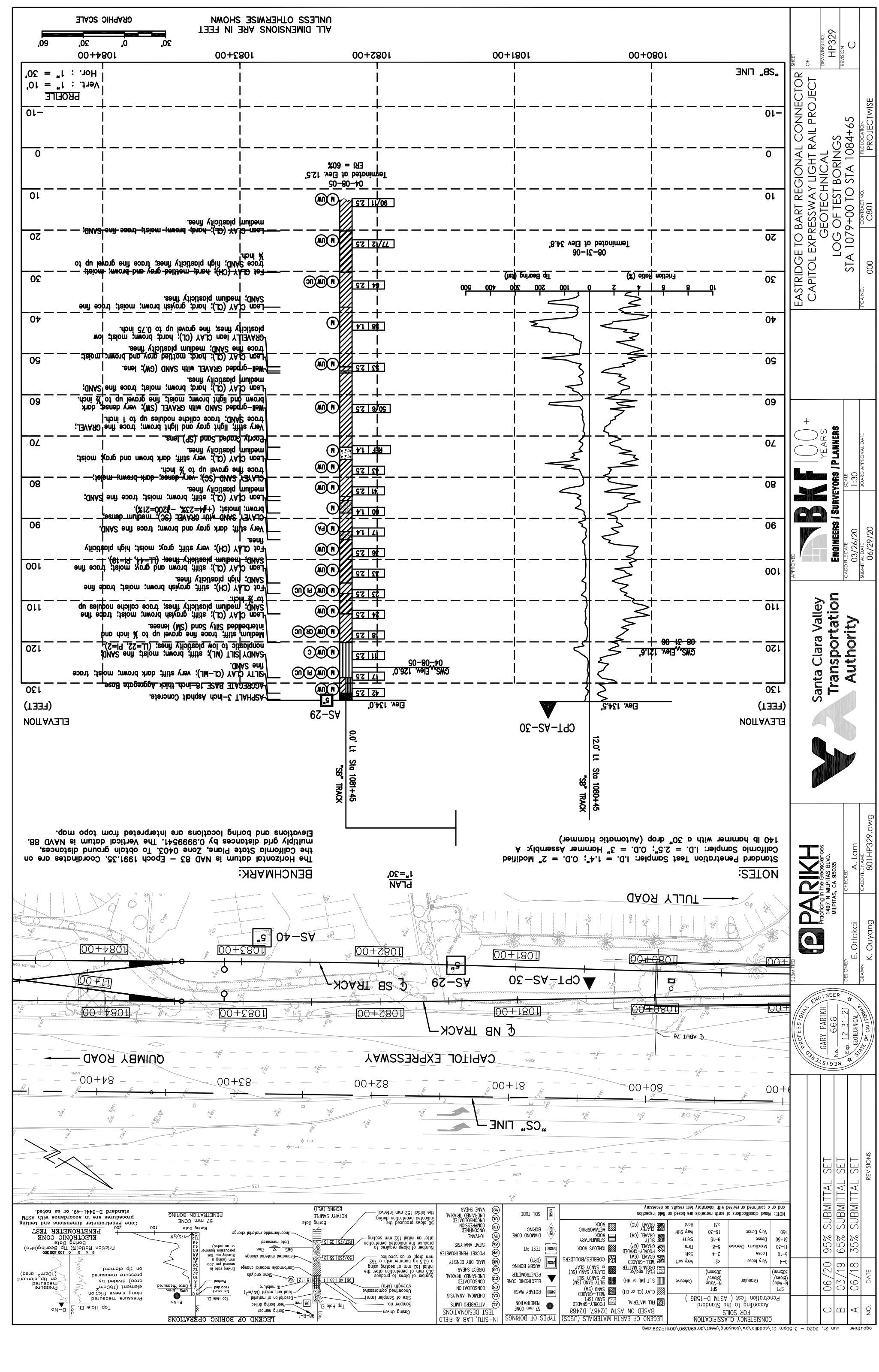
NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified
 California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
 140 lb hammer with a 30" drop (Automatic Hammer)

BENCHMARK:
 The Horizontal datum is NAVD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The Vertical datum is NAVD 88, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.



GRAPHIC SCALE
 ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

Hor.: 1" = 30'
 Vert.: 1" = 10'

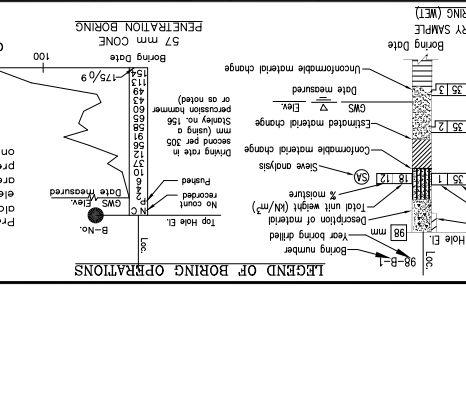


ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN
 GRAPHIC SCALE
 Hor: 1" = 30'
 Vert: 1" = 10'
 PROFILE

ELEVATION (FEET)	SOIL DESCRIPTION	TEST TYPE	TEST VALUE	TERMINATION INFO
130	ASPHALT 3-inch Asphalt Concrete			
120	SANDY SILT (ML), stiff, brown, moist, trace fine sand, silty clay (CL-ML), very stiff, dark brown, moist, trace fine sand.	GMS	Elev. 126.0' (42.25)	04-08-05
120	SANDY SILT (ML), stiff, brown, moist, trace fine sand, nonplastic to low plasticity fines; (LL=22, PI=2).	GMS	Elev. 121.6' (31.06)	08-31-06
110	SAND, medium plasticity fines; silty clay (CL), stiff, grayish brown, moist; trace fine sand; trace calcite nodules up to 1/8 inch.	UW	74 2.5	
100	SAND, high plasticity fines; silty clay (CH), stiff, grayish brown, moist; trace fine sand; medium plasticity fines; (LL=41, PI=19).	UW	36 2.5	
90	Very stiff, dark gray and brown, trace fine sand, CLAYEY SAND WITH GRAVEL (SC), medium dense brown, moist; (+#4=23%, #200=21%).	BA	71.14	
90	CLAYEY SAND (SC), very dense, dark brown, moist; medium plasticity fines; silty clay (CL), stiff, brown, moist; trace fine sand.	UW	41 2.5	
80	CLAYEY SAND (SC), very dense, dark brown, moist; medium plasticity fines; trace fine gravel up to 1/2 inch.	UW	43 2.5	
70	Lean CLAY (CL), very stiff, dark brown and gray, moist; medium plasticity fines; clayey graded sand (SP) lenses.	REF	1.4	
60	Well-graded SAND with GRAVEL (SW), very dense, dark brown and light brown, moist; trace fine gravel up to 1/2 inch.	UW	50.6 2.5	
50	Lean CLAY (CL), hard, brown, moist; trace fine SAND; well-graded GRAVEL with SAND (GW) lenses.	UW	43 2.5	
40	GRAVELLY lean CLAY (CL), hard, brown, moist; low plasticity fines; trace fine gravel up to 0.75 inch.	M	1.4	
30	Lean CLAY (CL), hard, grayish brown, moist; trace fine SAND, medium plasticity fines.	UW	44 2.5	
20	Fat CLAY (CH), hard, brown, moist; trace fine SAND; fat CLAY (CH), hard, brown, moist; trace fine SAND; medium plasticity fines.	UW	77.2 2.5	08-31-06 Terminated at Elev. 34.8'
10	Terminated at Elev. 12.5'	UW	90.11 2.5	04-08-05 Terminated at Elev. 12.5' ERI = 60%

NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)
 The Horizontal datum is NAVD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. The Vertical datum is NAVD 88, multiply grid distances by 0.9999541. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

LEGEND OF BORING OPERATIONS
 Boring Date: Boring Date
 Penetration Test: Cone Penetration Test, Standard Penetration Test
 Pressure measured: Pressure measured
 Friction sleeve: Friction sleeve



LEGEND OF EARTH MATERIALS (USCS)

SP	SPT	Penetration test (ASTM D-1586)	Standard Penetration Test
GM	Medium Dense	1-10	Medium Dense
DM	Dense	>10	Dense
GC	Clayey	0.4 - 1.4	Clayey
MC	Clayey	1.4 - 4.0	Clayey
CC	Clayey	>4.0	Clayey
GM	Medium Dense	1-10	Medium Dense
DM	Dense	>10	Dense
GC	Clayey	0.4 - 1.4	Clayey
MC	Clayey	1.4 - 4.0	Clayey
CC	Clayey	>4.0	Clayey

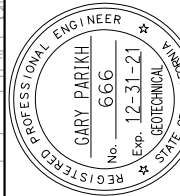
CONSISTENCY CLASSIFICATION
 BASED ON ASTM D2487, D2488
 SPT

TYPES OF BORINGS

- UW - UNDESIGNED
- BA - BORED AUGER
- DR - DIAPHRAGM
- EM - ELECTRONIC CONE
- RM - ROTARY MASH
- PT - PENETRATION TEST
- MC - MAX. DRY DENSITY
- PC - POCKET PENETROMETER
- SA - SPECT ANALYSIS
- UC - UNCONSOLIDATED
- UN - UNKNOWN
- VT - VANE SHEAR

BENCHMARK:
 The Horizontal datum is NAVD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. The Vertical datum is NAVD 88, multiply grid distances by 0.9999541. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



PARIKH
 Practicing in the Geotechnical
 1497 N. MILPITAS BLVD.
 MILPITAS, CA 95035

DESIGNED: E. Ortakci
 CHECKED: A. Laim
 DRAWN: K. Ouyang
 CAD FILE NAME: 801HP332.dwg

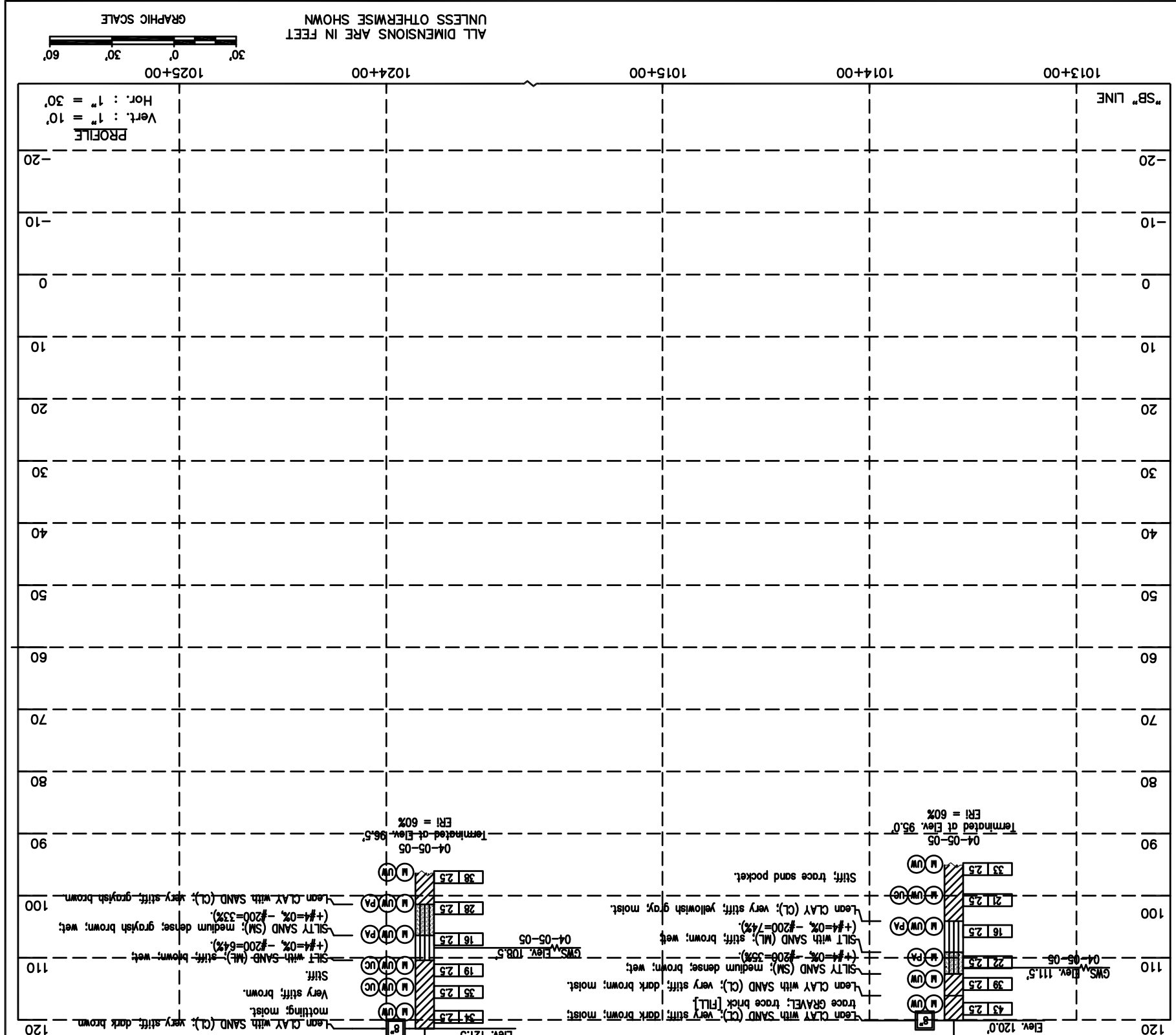
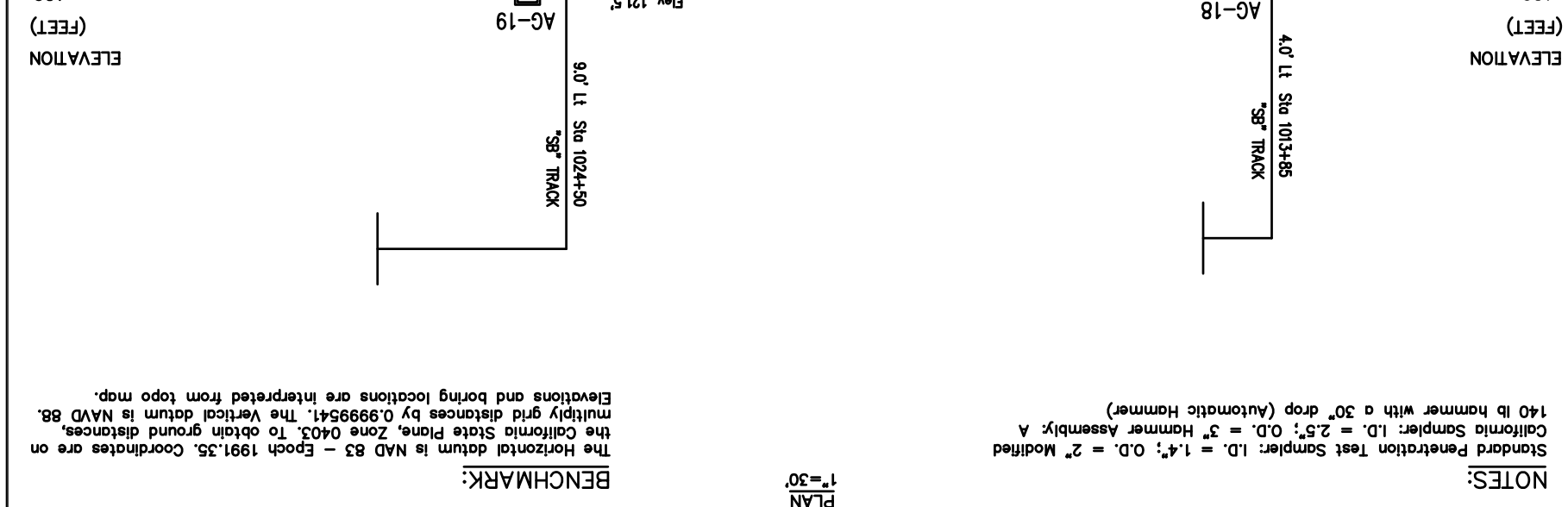
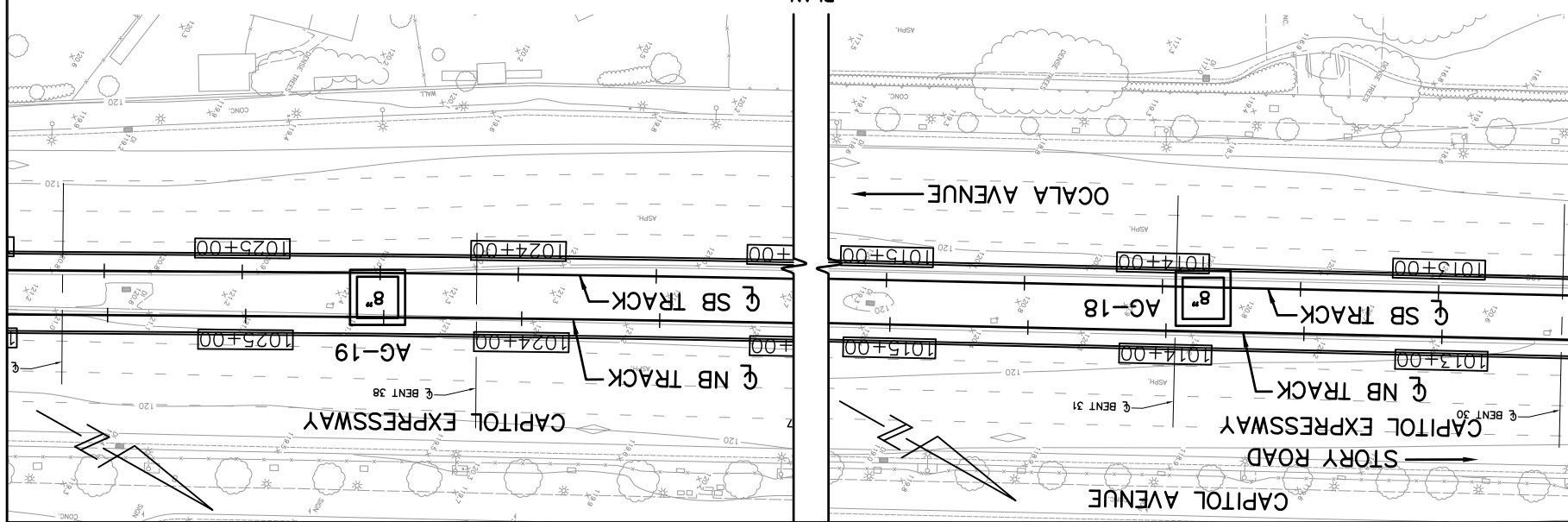
VTA
Santa Clara Valley Transportation Authority

BKF 100+
 YEARS
ENGINEERS / SURVEYORS / PLANNERS

CAD FILE DATE: 03/26/20
 SUBMIT DATE: 06/29/20
 SCALE: 1:30
 BOARD APPROVAL DATE: 06/29/20

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 1012+50 TO STA 1025+85**

DRAWING NO.: HP332
 REVISION: C
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE



LEGEND OF BORING OPERATIONS

Pressure measured on tip element (10cm² area)
 Pressure measured along sleeve friction element (150cm² area)
 Friction Ratio (%) Tip Bearing (kPa)
 Cone Penetration Test (CPT) Bearing (kPa)
 Standard D-3441-89, or as noted.

LEGEND OF EARTH MATERIALS (USCS)

BASED ON ASTM D2487, D2488
 SPT
 Penetration test (ASTM D-1586)
 According to the Standard
 FOR SOILS
 Consistency Classification

SP	Very loose	< 2	Very soft	CLAY (CI or CH)
SL	Loose	2-4	Soft	SILT (ML or MH)
SM	Medium Dense	4-8	Stiff	SAND (SW)
ML	Dense	8-15	Very stiff	SAND (SM)
SH	Very Dense	15-30	Hard	SAND (SW)
> 30				

NOTE: Void classifications of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.

TYPES OF BORINGS

57 mm CONE PENETRATION
 ROTARY MASH
 ELECTRONIC CONE
 AUGER BORING (DR)
 TEST PIT
 DIAMOND CORE
 BORING
 SOIL TUBE

TEST DESIGNATIONS

IN-SITU, LAB & FIELD
 ATTERBURG LIMITS
 CHEMICAL ANALYSIS
 CONSOLIDATION
 UNCOMPACTED TRIAXIAL
 AUGER BORING
 MAX. DRY DENSITY
 POCKET PENETROMETER
 SPEC. ANALYSIS
 UNCONSOLIDATED
 UNCOMPACTED
 UNCOMPACTED TRIAXIAL

50 blows produced the indicated penetration during the initial 152 mm interval after an initial 152 mm seating of the sampler. The blow count is recorded on the boring log. The blow count is the number of blows required to produce the indicated penetration. The blow count is the number of blows required to produce the indicated penetration. The blow count is the number of blows required to produce the indicated penetration.

NOTES:

Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified
 California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
 140 lb hammer with a 30" drop (Automatic Hammer)

BENCHMARK:

The Horizontal datum is NAVD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

TERMINATED AT ELEV. 96.5'
 04-05-05
 ERI = 60%

TERMINATED AT ELEV. 95.0'
 04-05-05
 ERI = 60%

Lean CLAY with SAND (CL); very stiff; yellowish gray, moist.

SILT with SAND (ML); stiff; brown; wet.

SILT with SAND (SM); medium dense; brown; wet.

Lean CLAY with SAND (CL); very stiff; dark brown; moist.

SILT with SAND (ML); stiff; brown; wet.

SILT with SAND (SM); medium dense; brown; wet.

Lean CLAY with SAND (CL); very stiff; dark brown; moist.

trace GRAVEL; trace brk [FILL]

Lean CLAY with SAND (CL); very stiff; dark brown; moist.

Very stiff; brown.

Stiff.

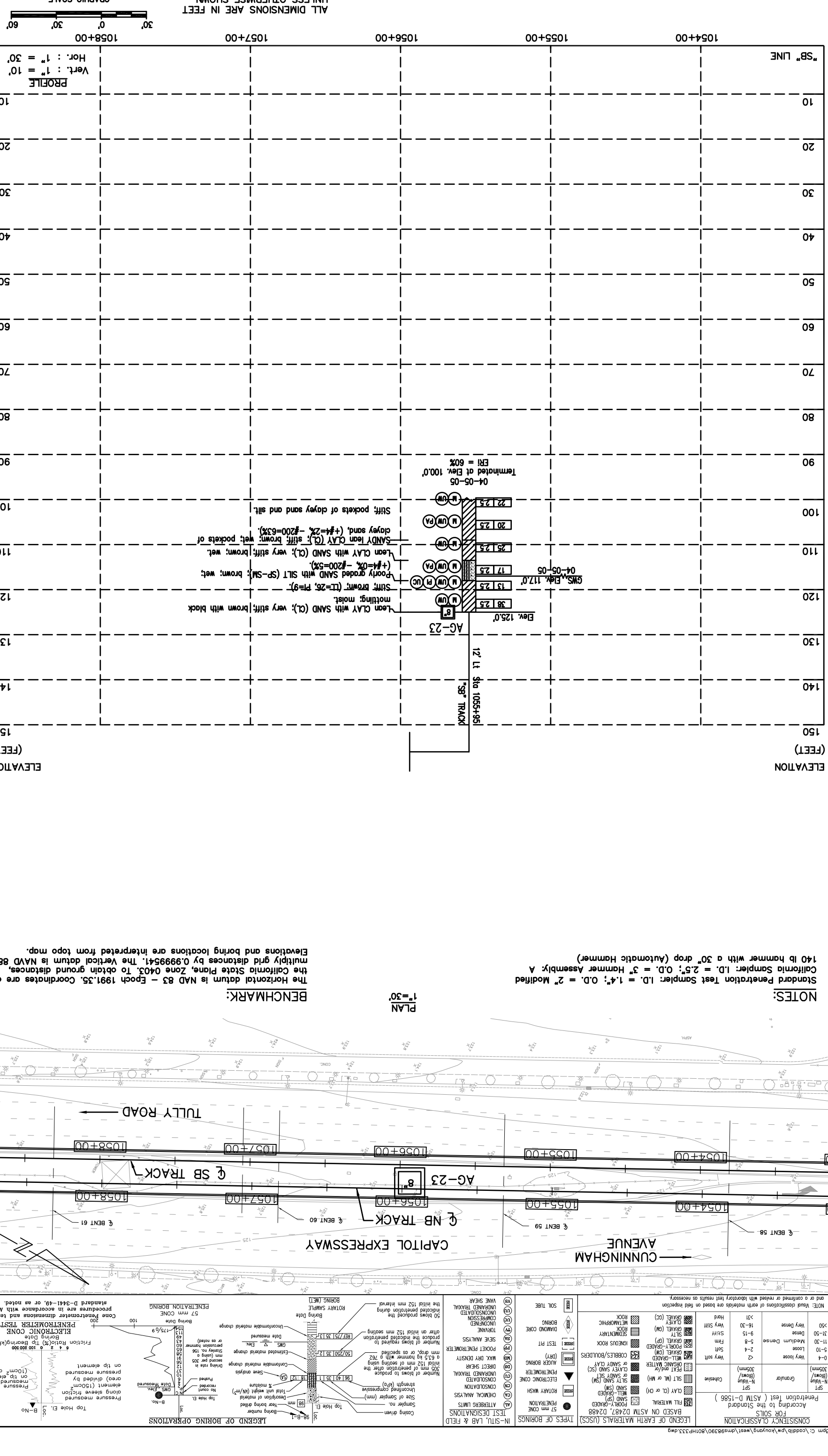
Lean CLAY with SAND (CL); very stiff; grayish brown.

ALL DIMENSIONS ARE IN FEET
 UNLESS OTHERWISE SHOWN

GRAPHIC SCALE
 0' 30' 60'

Hor.: 1" = 30'
 Vert.: 1" = 10'

1058+00 1057+00 1056+00 1055+00 1054+00



EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
LOG OF TEST BORINGS
 STA 1053+15 TO STA 1058+80

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 SCALE: 1:30
 SUBMIT DATE: 06/29/20
 BOARD APPROVAL DATE: 03/26/20

Santa Clara Valley Transportation Authority

PARIKH Pratik R. Parikh, Inc. 1497 N. MILPITAS BLVD., MILPITAS, CA 95035
 DESIGNED BY: E. Ortakci
 CHECKED BY: A. Laim
 DRAWN BY: K. Ouyang
 CONTRACT NO.: C-801
 PROJECT NO.: 000
 FILE LOCATION: PROJECTWISE

REGISTERED PROFESSIONAL ENGINEER
 GARY PARIKH
 No. 666
 Exp. 12-31-21
 GEOTECHNICAL
 STATE OF CALIFORNIA

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET

NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified
 140 lb hammer with a 30" drop (Automatic Hammer)
 The Horizontal datum is NAVD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

PLAN
 1" = 30'

LEGEND OF EARTH MATERIALS (USCS)
 BASED ON ASTM D2487, D2488
 SPT Penetration to the Standard (According to the Standard) Penetration test (ASTM D-1586)

LEND OF BORING OPERATIONS

PENETRATION BORING
 57 mm CONE
 Cone Penetrometer dimensions and testing procedures are in accordance with ASTM standard D-3441-49, or as noted.

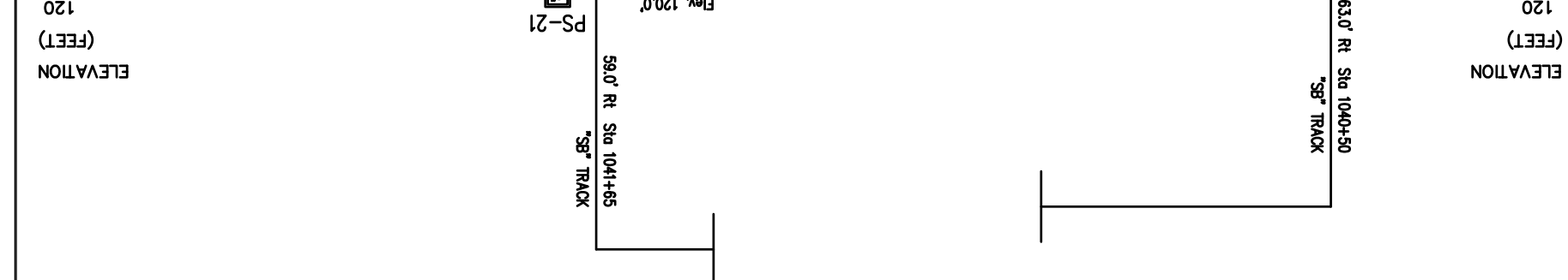
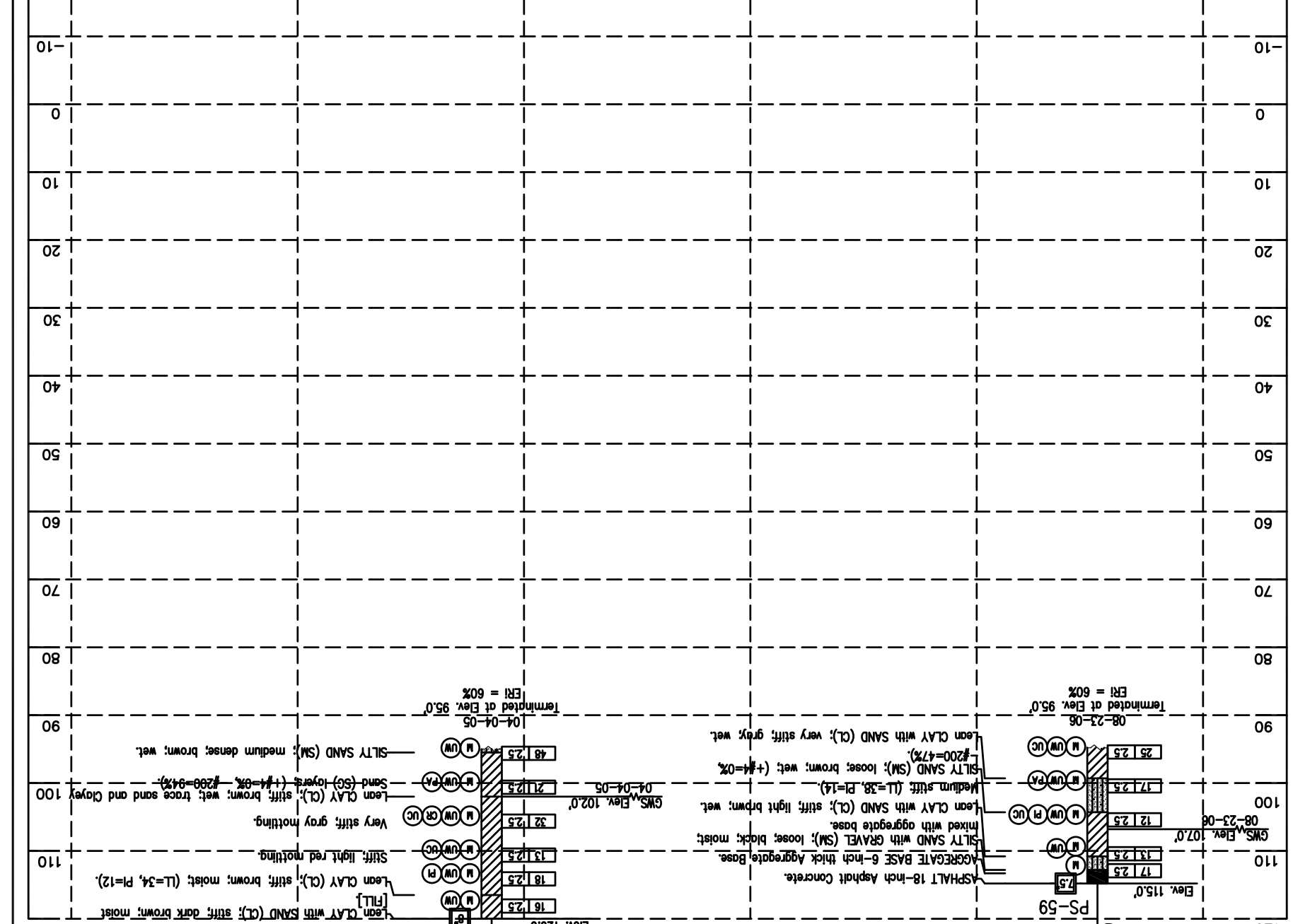
ELECTRONIC CONE PENETROMETER TEST
 Pressure measured along sleeve friction element (150cm) divided by area (10cm² area) on tip element.
 Friction Ratio (kPa) Tip Bearing (kPa)
 Boring Date

ROTAARY SAMPLE BORING (MET)
 50 blows produced the indicated penetration during the initial 152 mm interval.
 Unconfined Compressed Shear Analysis
 Max. Dry Density
 Direct Shear
 Consolidation
 Chemical Analysis
 Atterberg Limits
 Test Designations

TEST DESIGNATIONS
 (AS) ATERBERG LIMITS
 (CA) CHEMICAL ANALYSIS
 (CO) CONSOLIDATION
 (UN) UNCONSOLIDATED
 (UN) UNOBTAINED TRIAXIAL
 (AU) AUGER BORING
 (DR) DIRECT SHEAR
 (PP) POCKET PENETROMETER
 (S) SIEVE ANALYSIS
 (UN) UNOBTAINED TRIAXIAL
 (UN) UNCONSOLIDATED
 (UN) UNOBTAINED TRIAXIAL

TYPES OF BORINGS
 (SPT) 57 mm CONE PENETRATION
 (RMT) ROTARY MASH
 (EPC) ELECTRONIC CONE PENETROMETER
 (AUG) AUGER BORING
 (DR) DIRECT SHEAR
 (PP) POCKET PENETROMETER
 (S) SIEVE ANALYSIS
 (UN) UNOBTAINED TRIAXIAL
 (UN) UNCONSOLIDATED
 (UN) UNOBTAINED TRIAXIAL

SOL TUBE
 (S) SOL TUBE
 (B) BORING
 (D) DIAMOND CORE
 (V) VANE SHEAR



NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)
 The horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The vertical datum is NAVD 88, multiply grid distances by 0.999541. Elevations and boring locations are interpreted from topo map.

LEGEND OF BORING OPERATIONS

LEGEND OF EARTH MATERIALS (USCS)

SP	Penetration test (ASTM D-1586)
N-Value (blows/30cm)	Grainular
0-4	Very loose
5-10	Loose
11-30	Medium Dense
9-15	Stiff
16-30	Very Dense
>31	Hard

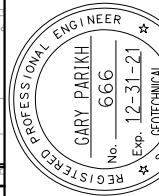
TYPES OF BORINGS

TEST DESIGNATIONS

Legend of Earth Materials (USCS)

Legend of Boring Operations

<p>PROJECT INFORMATION</p> <p>EA STRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GEOTECHNICAL LOG OF TEST BORINGS STA 1038+40 TO STA 1044+30</p>			
<p>REVISIONS</p> <p>NO. DATE</p> <p>A 06/18 35% SUBMITTAL SET</p> <p>B 03/19 65% SUBMITTAL SET</p> <p>C 06/20 95% SUBMITTAL SET</p>	<p>DESIGNED E. Ortakci</p> <p>CHECKED A. Laim</p> <p>DRAWN K. Ouyang</p> <p>CAD FILE NAME 801HP334.dwg</p>	<p>DATE 12-31-21</p> <p>NO. 666</p> <p>NAME GARY PARIKH</p> <p>REGISTRATION NO. 1497 N. MILPITAS BLVD. MILPITAS, CA 95035</p>	<p>SCALE 1:30</p> <p>BOARD APPROVAL DATE 06/29/20</p> <p>SUBMIT DATE 03/26/20</p> <p>FILE LOCATION PROJECTWISE</p> <p>CONTRACT NO. C801</p> <p>PCN NO. 000</p>
<p>APPROVED</p> <p>YEA</p> <p>Santa Clara Valley Transportation Authority</p> <p>BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS</p>			



PARIKH
Practicing in the Geotechnical
1497 N. MILPITAS BLVD.
MILPITAS, CA 95035



BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEO-TECHNICAL
LOG OF TEST BORINGS
STA 1029+65 TO STA 1035+30**

DRAWING NO. HP336
REVISION C
SCALE 1:30
SUBMIT DATE 03/26/20
BOARD APPROVAL DATE 06/29/20
FILE LOCATION PROJECTWISE
CONTRACT NO. C801
PCNO. 000

LEGEND OF EARTH MATERIALS (USCS)
BASED ON ASTM D2487, D2488

SPT (blows/30cm)	Penetration (ASTM D-1586)	SPT (blows/30cm)	Penetration (ASTM D-1586)	SPT (blows/30cm)	Penetration (ASTM D-1586)	Very loose	0-4	<2	Very soft
						Loose	5-10	2-4	Soft
N-Value (blows/30cm)	Penetration (ASTM D-1586)	N-Value (blows/30cm)	Penetration (ASTM D-1586)	N-Value (blows/30cm)	Penetration (ASTM D-1586)	Medium Dense	11-30	5-8	Firm
						Dense	31-50	9-15	Stiff
SPT (blows/30cm)	Penetration (ASTM D-1586)	SPT (blows/30cm)	Penetration (ASTM D-1586)	SPT (blows/30cm)	Penetration (ASTM D-1586)	Very Dense	>50	>15	Hard

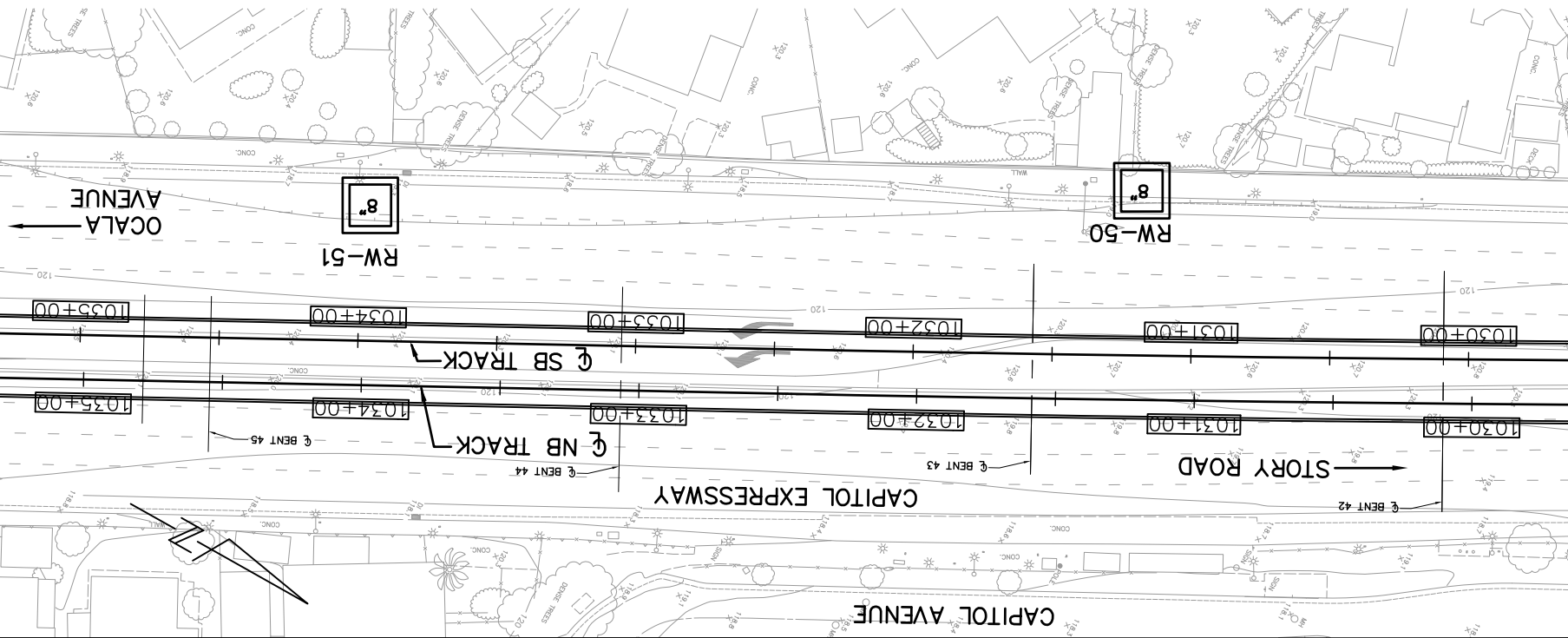
NOTE: Visual classifications of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.

LEGEND OF BORINGS

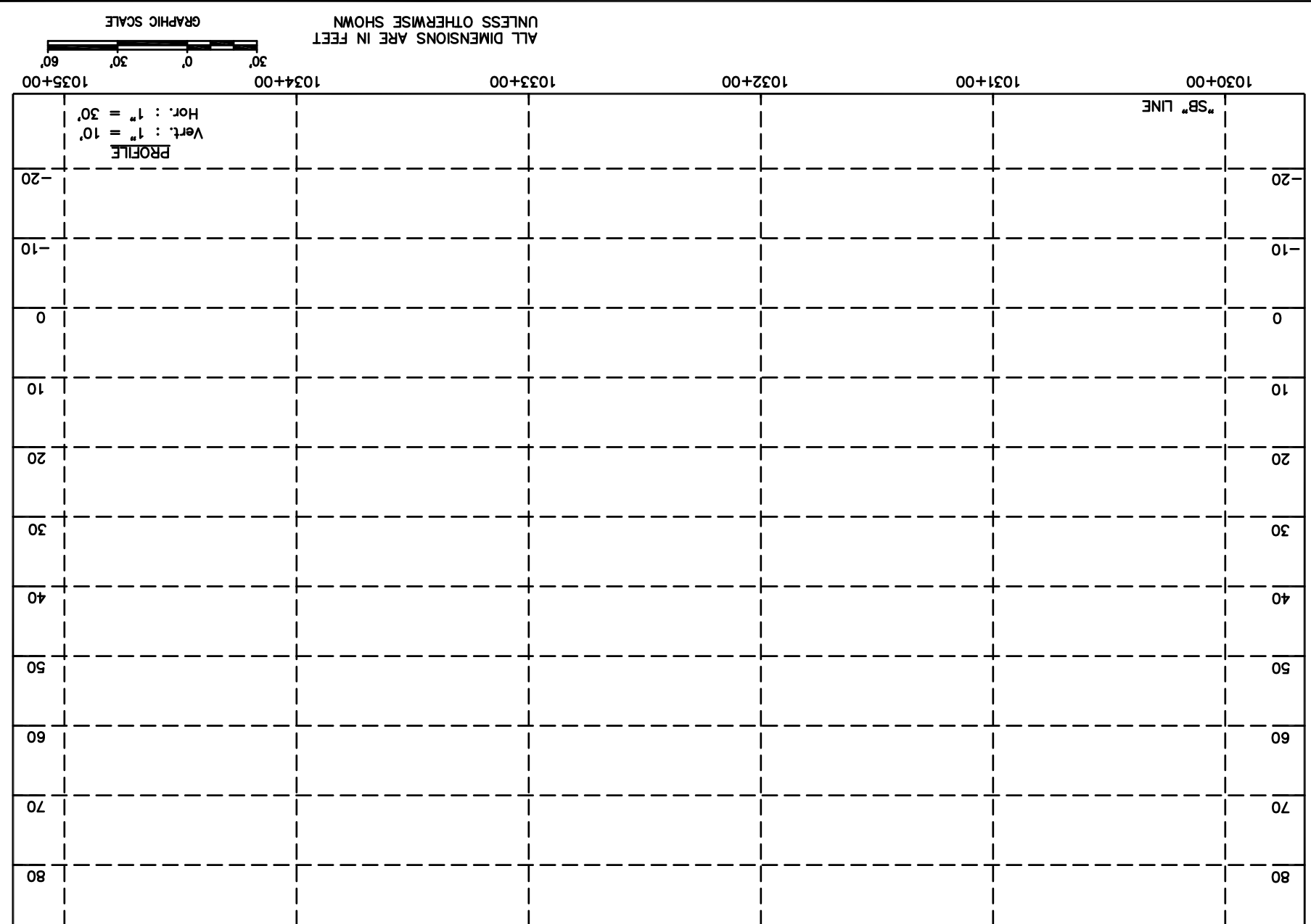
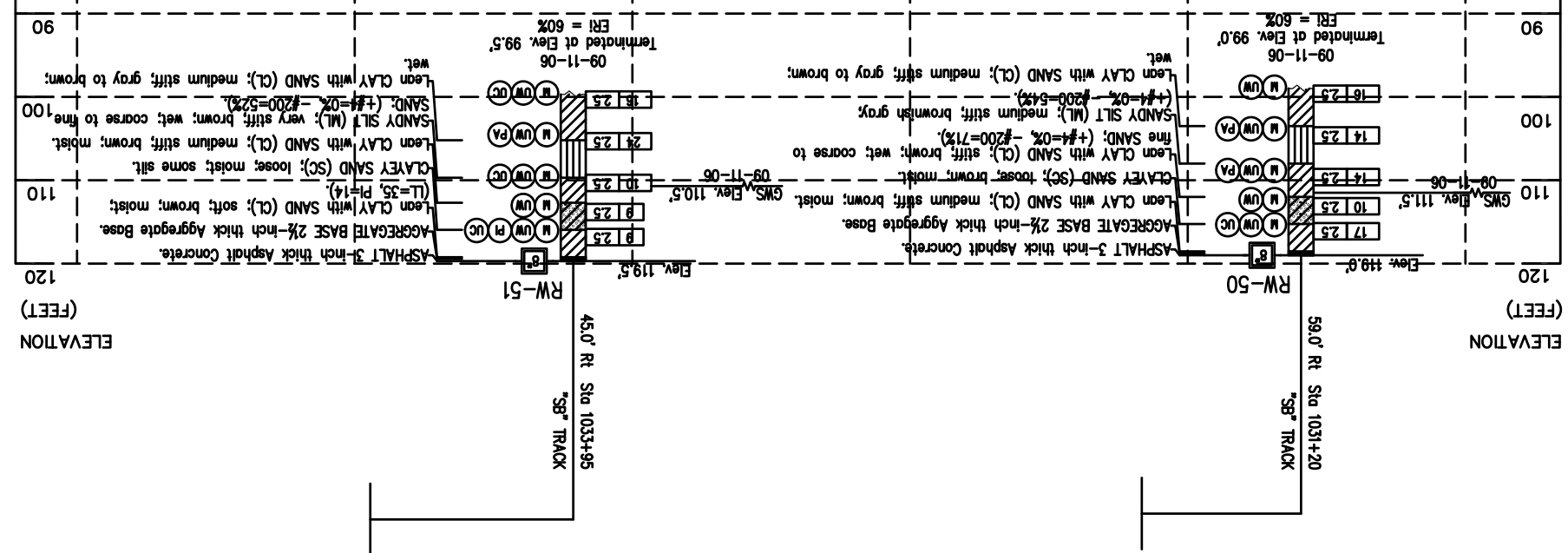
8" SOIL TUBE	8" DIAMOND CORE	8" TEST PIT	8" AUGER BORING	8" ELECTRONIC CONE PENETROMETER	8" ROTARY MASH PENETRATION	8" 57 mm CONE
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LEGEND OF BORING OPERATIONS

8" 57 mm CONE	8" 152 mm INTERVAL	8" 152 mm INTERVAL	8" 152 mm INTERVAL
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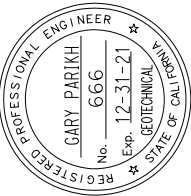


NOTES:
Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
140 lb hammer with a 30" drop (Automatic Hammer)
The horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.



ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN
GRAPHIC SCALE
Hor. : 1" = 30'
Vert. : 1" = 10'

NO.	DATE	REVISIONS
A	06/18	35% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
C	06/20	95% SUBMITTAL SET



PARIKH
Practicing in the Geotechnical
1497 N. MILPITAS BLVD.
MILPITAS, CA 95035

DESIGNED: E. Ortakci
CHECKED: A. Laim
DRAWN: K. Ouyang
CADD FILE NAME: 801HP337.dwg

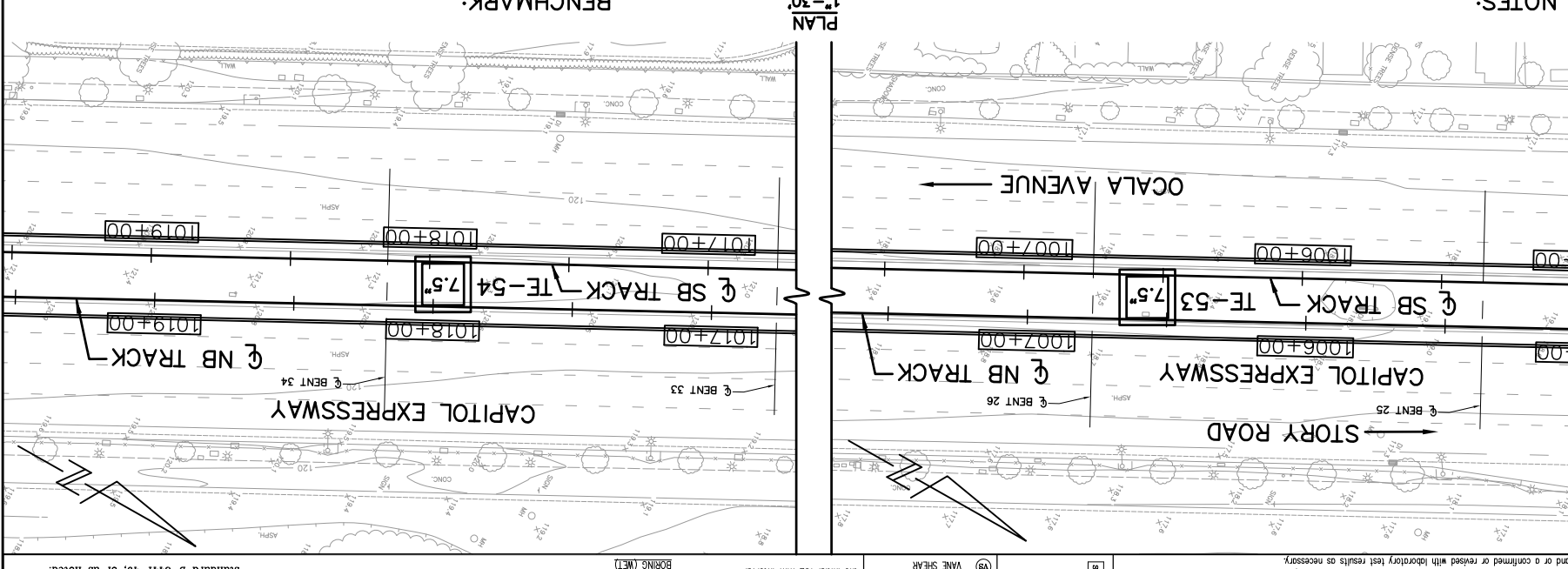


BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

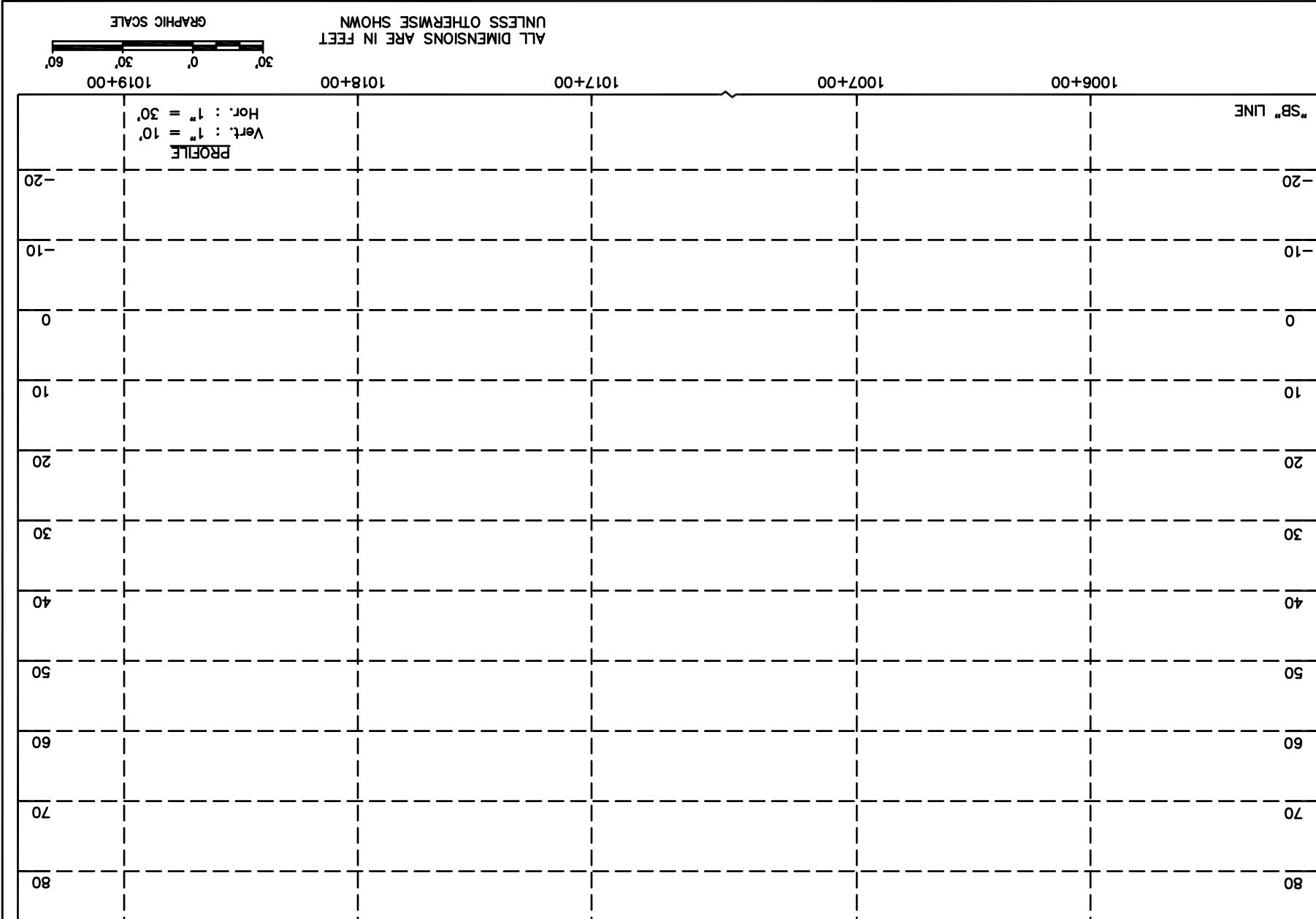
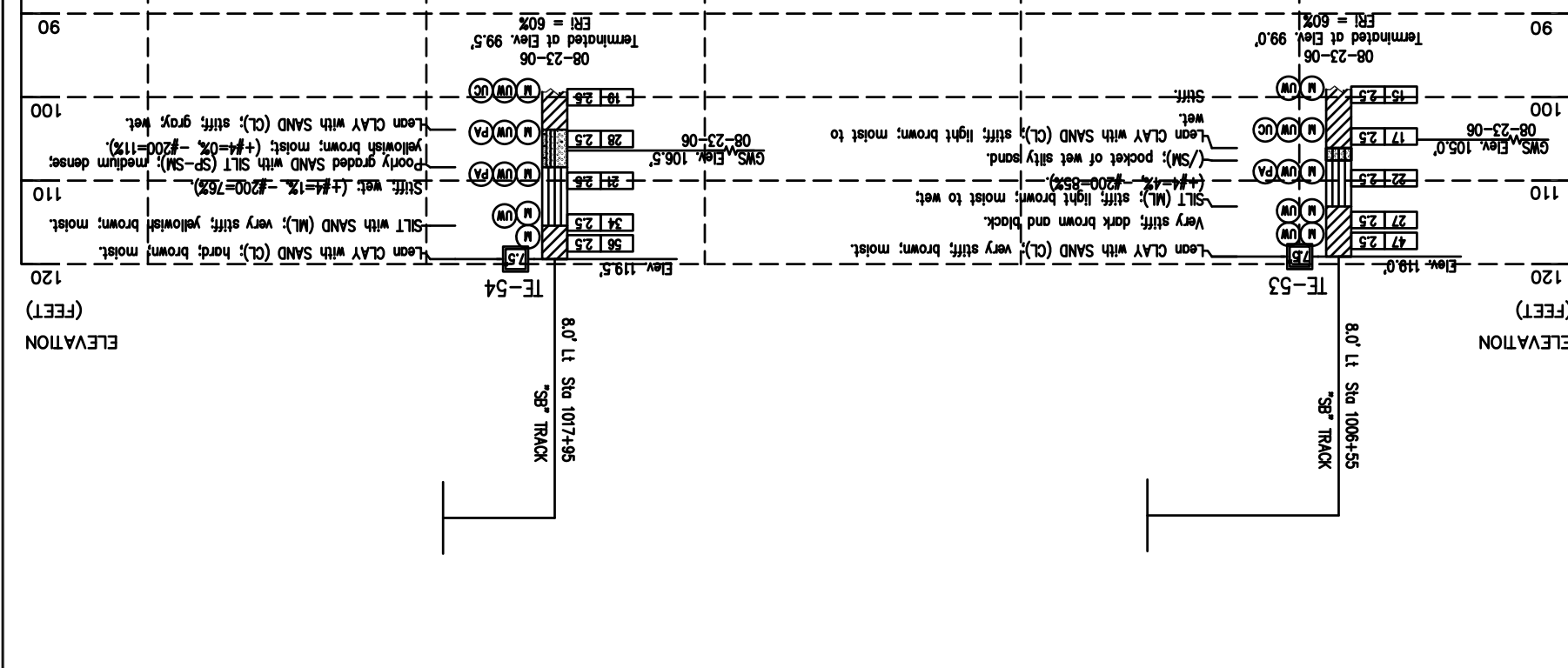
SCALE: 1:30
BOARD APPROVAL DATE: 06/29/20

APPROVED: EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GEOTECHNICAL
LOG OF TEST BORINGS
STA 1005+00 TO STA 1019+50

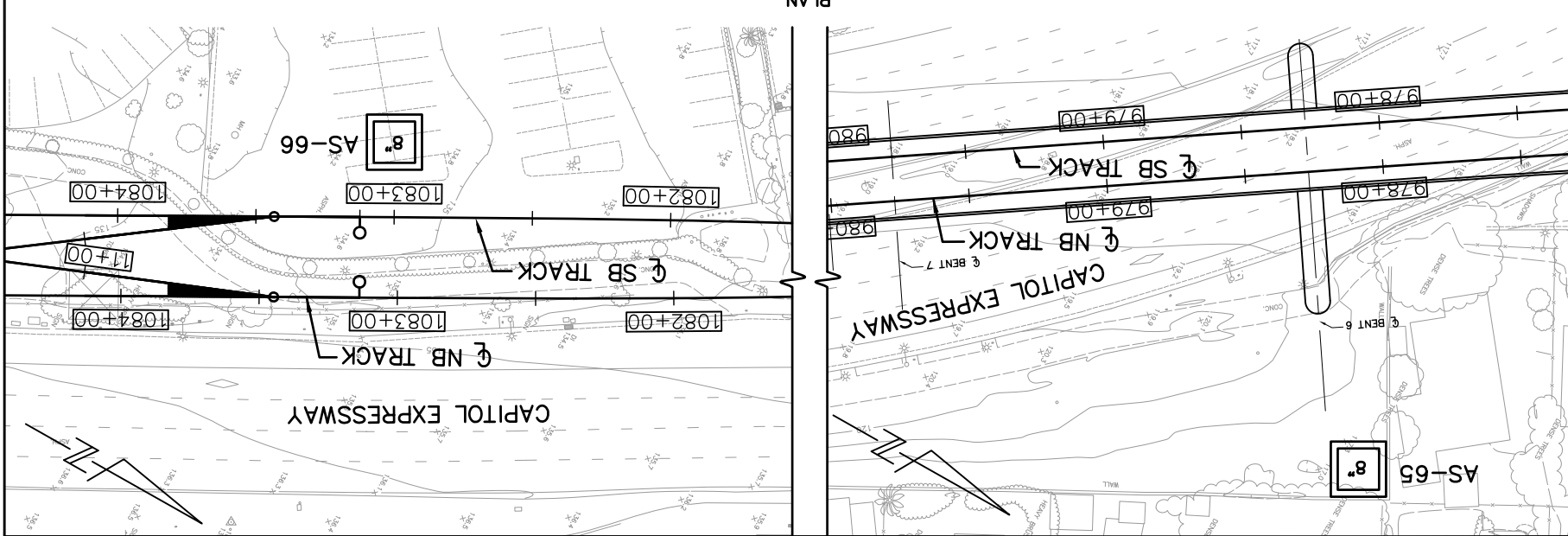
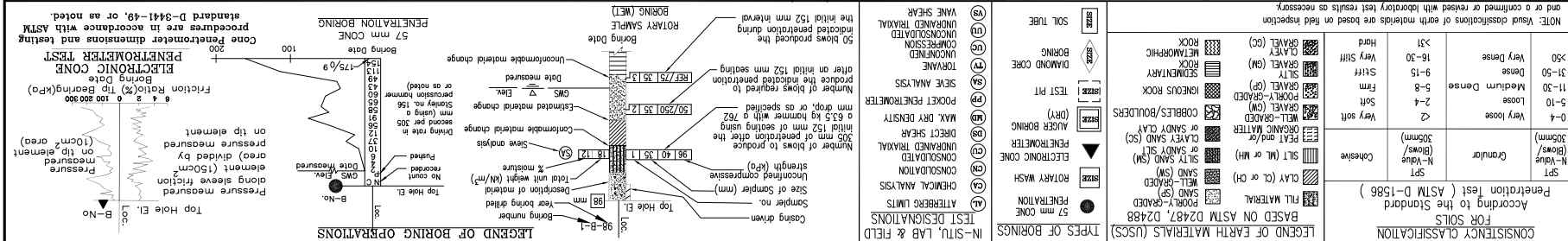
CONTRACT NO.: C801
PROJECTWISE



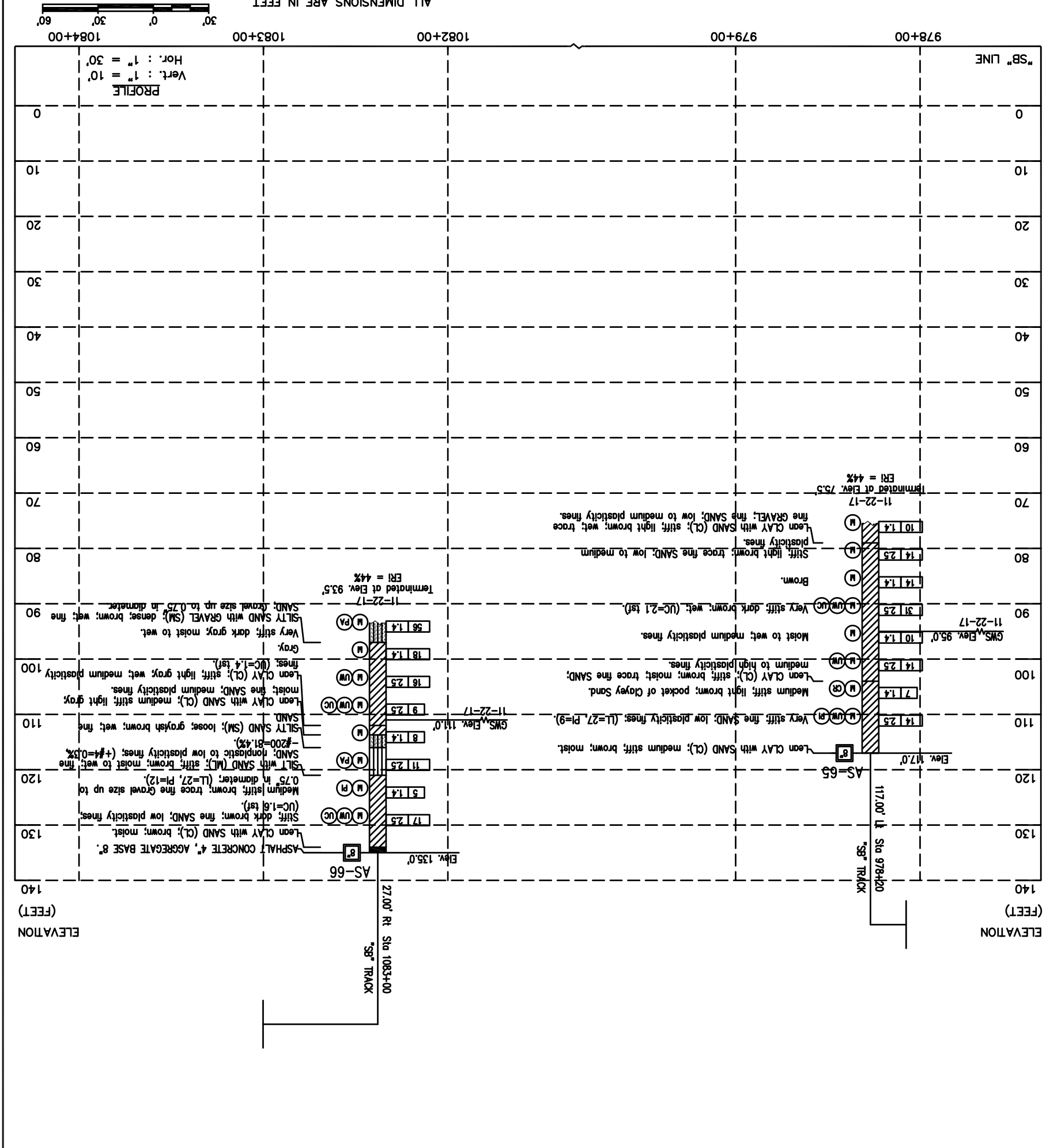
NOTES:
Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
140 lb hammer with a 30" drop (Automatic Hammer)
Elevations and boring locations are interpreted from topo map.
The horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The vertical datum is NAVD 88. Multiply grid distances by 0.9999541. The vertical datum is NAVD 88.



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
GRAPHIC SCALE



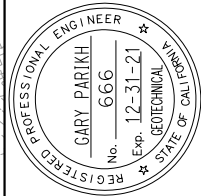
NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified
 California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
 140 lb hammer with a 30" drop (Automatic Hammer)
 The Horizontal datum is NAD 83 - Epoch 1991.35. Coordinates are on the California State Plane, Zone 0403. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.



ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN
 GRAPHIC SCALE
 Hor: 1" = 30'
 Vert: 1" = 10'

<p>PARIKH Practing in the Geotechnical 1497 N. MILPITAS BLVD. MILPITAS, CA 95035</p>	DESIGNED: E. Ortakci CHECKED: A. Laim	DRAWN: K. Ouyang CAD/DRAWN: 801HP340.dwg
	SUBMITTED:	APPROVED:
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GEOTECHNICAL LOG OF TEST BORINGS STA 977+30 TO STA 1084+40		
SHEET OF	DRAWING NO.: HP340 REVISION: C	CONTRACT NO.: C801 PROJECTWISE
Santa Clara Valley Transportation Authority		
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS		
SCALE: 1:30 FILE LOCATION: PROJECTWISE		
NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



PARIKH
 Practicing in the Geotechnical
 1497 N. MILPITAS BLVD.
 MILPITAS, CA 95035

DESIGNED: E. Ortakci
 CHECKED: A. Laim
 DRAWN: K. Ouyang
 CAD/DRAWN/DATE: 801HP343.dwg



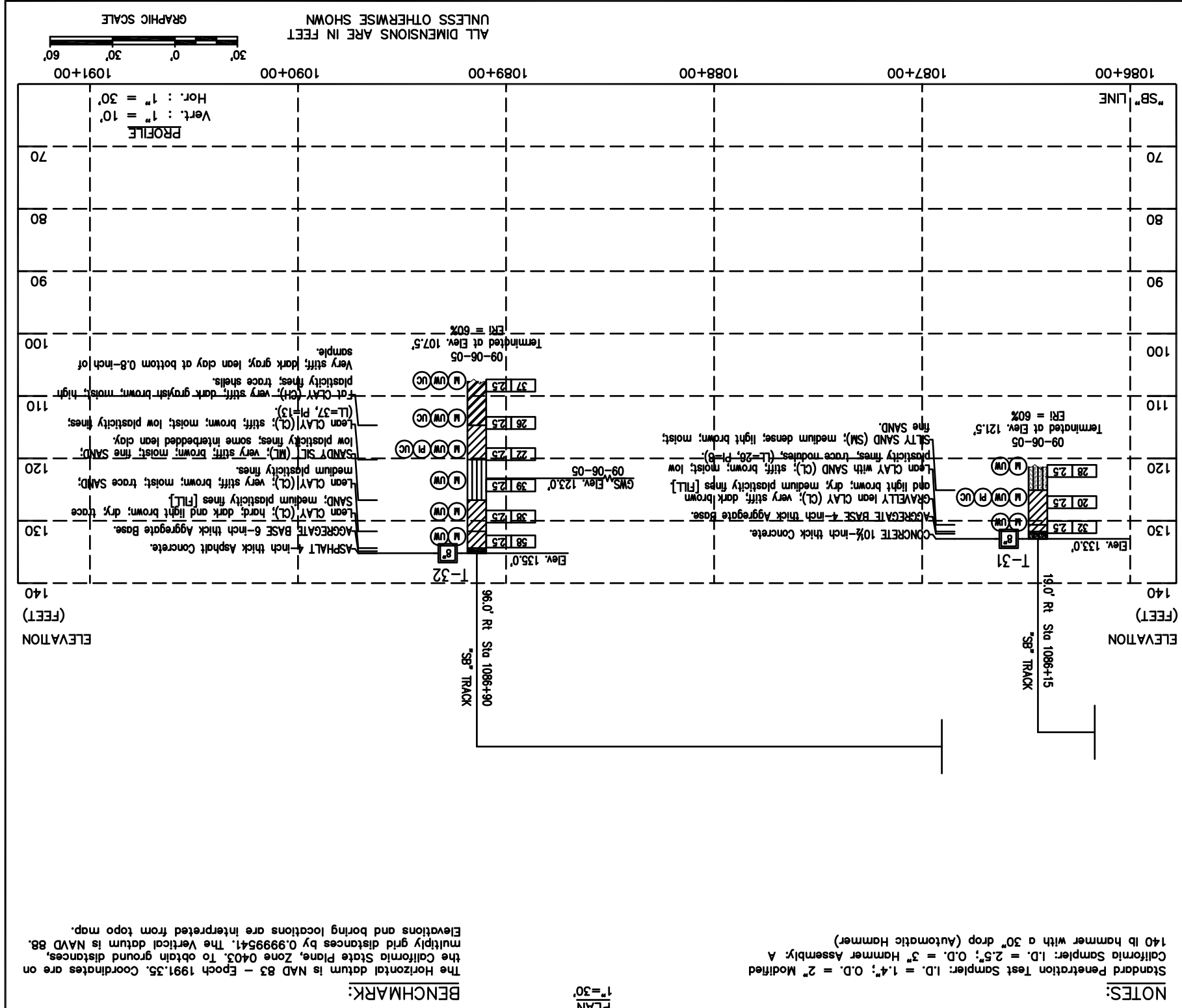
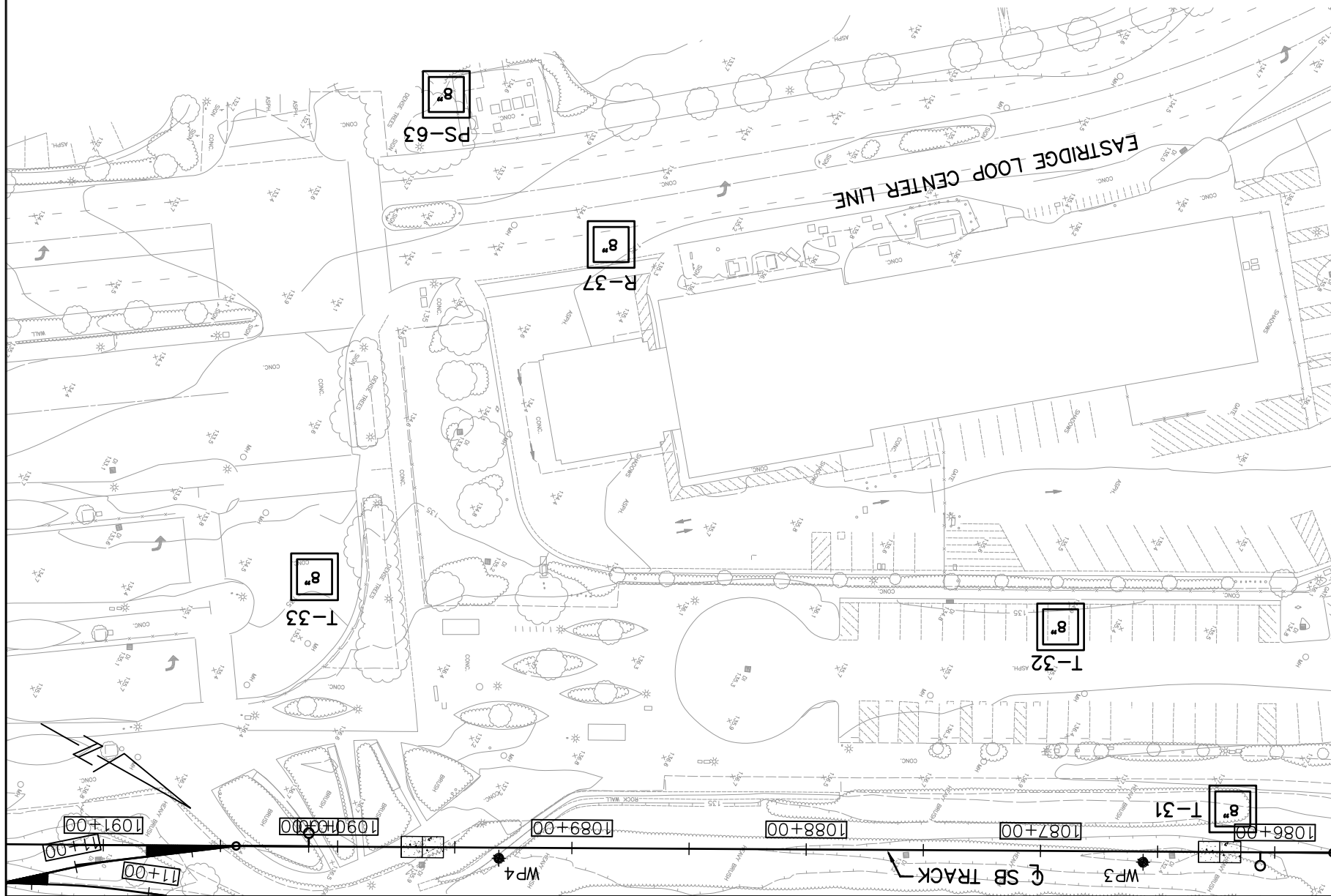
BKF 100+
 YEARS
ENGINEERS / SURVEYORS / PLANNERS

SCALE: 1:30
 BOARD APPROVAL DATE: 06/29/20
 SUBMIT DATE: 03/26/20
 CAD FILE DATE: 03/26/20

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GEOTECHNICAL
 LOG OF TEST BORINGS
 STA 1085+75 TO STA 1091+40**

PROJECT NO.: C801
 CONTRACT NO.: 000
 FILE LOCATION: PROJECTWISE

DRAWING NO.: HP343
 REVISION: C



ALL DIMENSIONS ARE IN FEET
 UNLESS OTHERWISE SHOWN

GRAPHIC SCALE
 0' 30' 60'

Hor.: 1" = 30'
 Vert.: 1" = 10'

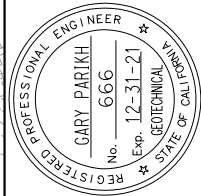
PROFILE

NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A 140 lb hammer with a 30" drop (Automatic Hammer)

The Horizontal datum is NAD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 04Q3. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

BENCHMARK:
 PLAN 1"=30'

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED BY	E. Ortakci
CHECKED BY	A. Laim
DRAWN BY	K. Ouyang
CADD TITLE/DRAWN	801HP345.dwg



BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

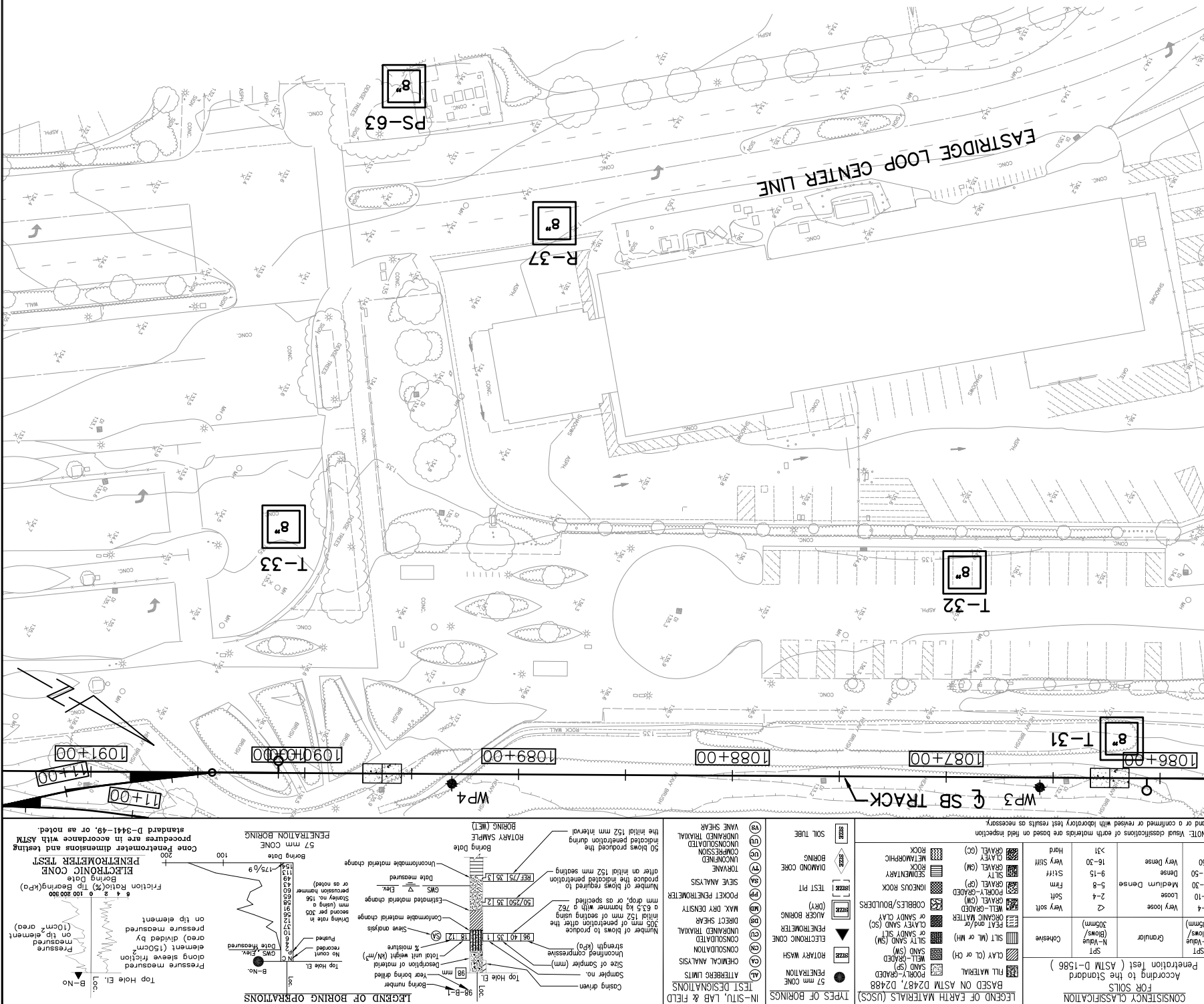
APPROVED

CADD FILE DATE: 03/26/20
SUBMIT DATE: 06/29/20

SCALE: 1:30
BOARD APPROVAL DATE:

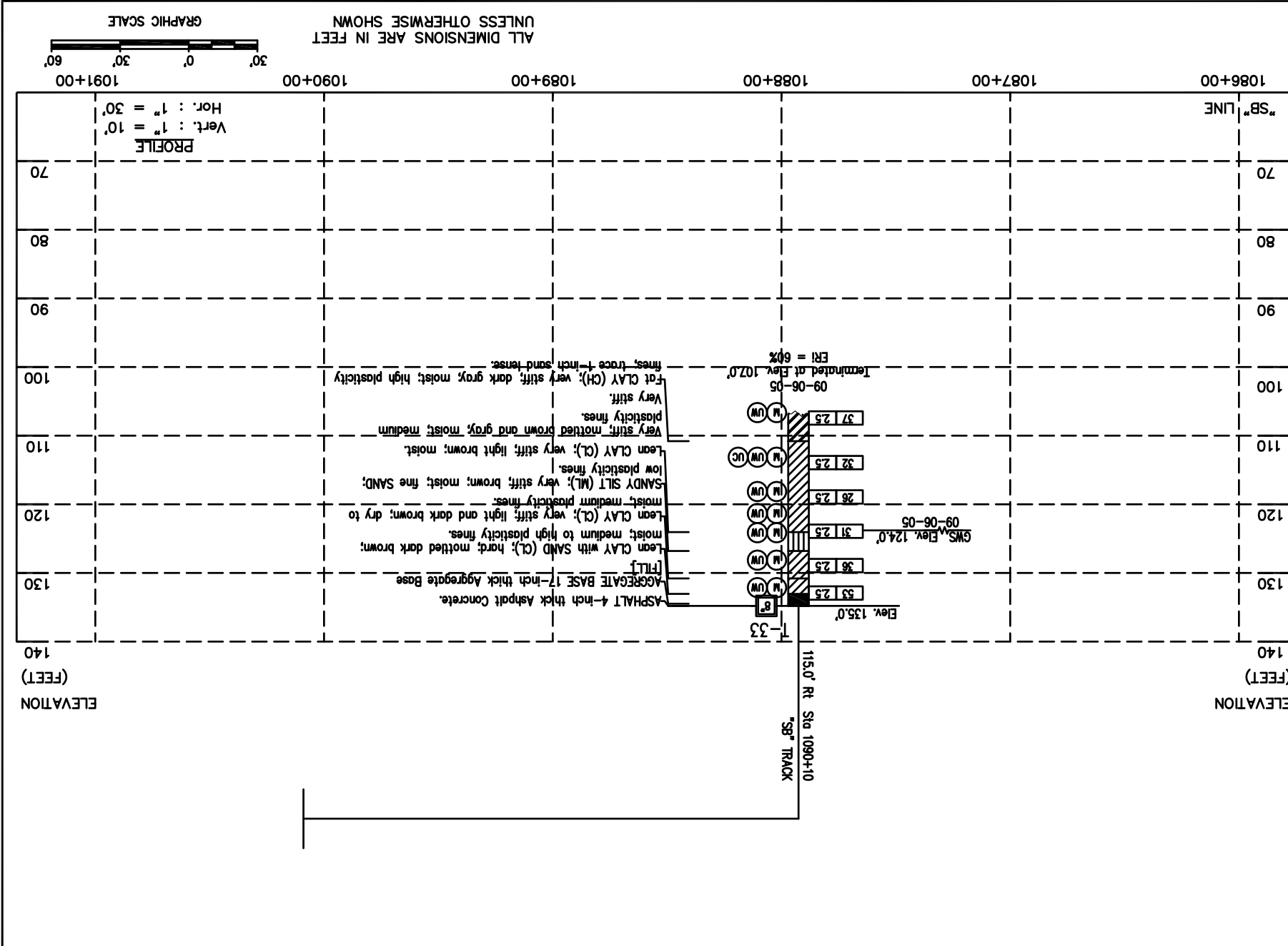
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT	
DRAWING NO.	HP345
REVISION	C
FILE LOCATION	PROJECTWISE
CONTRACT NO.	C801
PCN NO.	000
STA	1085+75 TO STA 1091+40

SHEET	OF
-------	----



NOTES:
 Standard Penetration Test Sampler: I.D. = 1.4"; O.D. = 2" Modified California Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly: A
 140 lb hammer with a 30" drop (Automatic Hammer)
 The California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

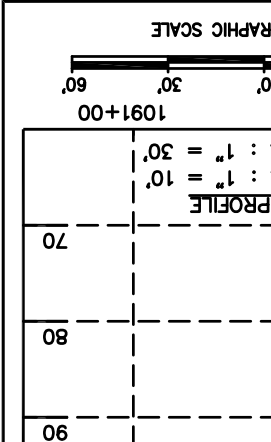
BENCHMARK:
 PLAN 1"=30'
 ELEVATION (FEET)



LEGEND OF BORING OPERATIONS

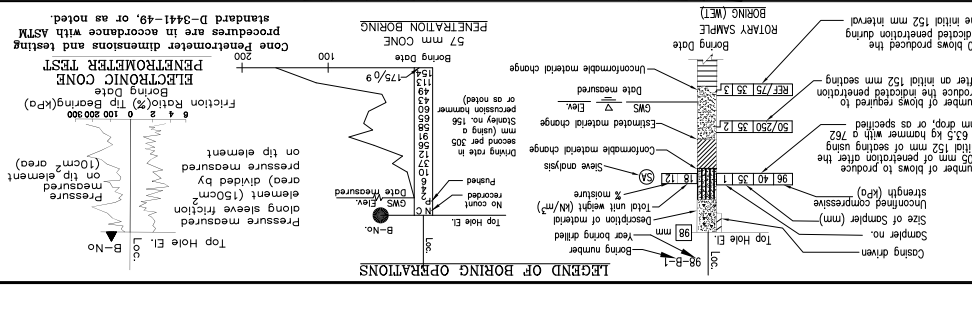
Pressure measured along sleeve friction
 Pressure measured on tip element
 Pressure measured in 150mm area divided by on tip element (10cm² area)

CONE PENETROMETER TEST
 Cone Penetrometer dimensions and testing procedures are in accordance with ASTM standard D-3441-49, or as noted.

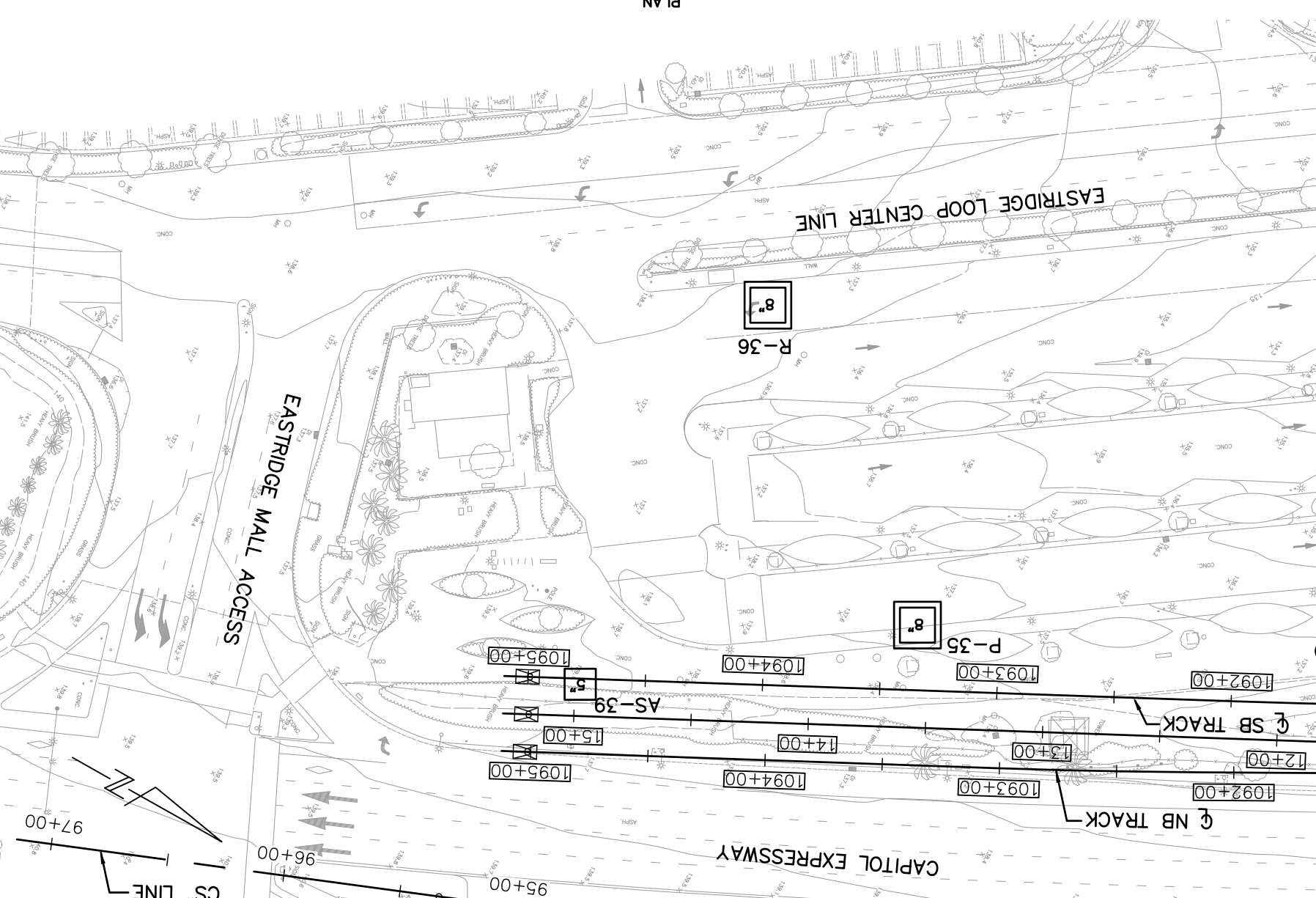


PROFILE
 Hor. : 1" = 30'
 Vert. : 1" = 10'

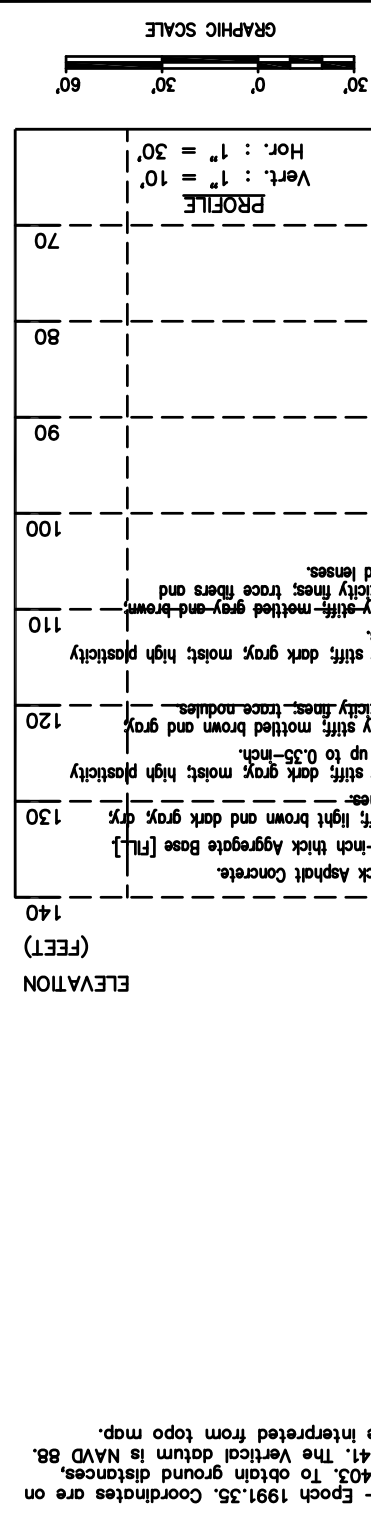
UNLESS OTHERWISE SHOWN
 ALL DIMENSIONS ARE IN FEET



Legend of Earth Materials (USCS)	Consistency Classification	Notes
SP	Penetration to the Standard (According to ASTM D-1586)	NOTE: Void classifications of earth materials are based on field inspection and/or a confirmed or revised with laboratory test results as necessary.
SP	Penetration to the Standard	
CL	CLAY (CL or CH)	
ML	Lean Clay (CL)	
OL	Lean Clay with SAND (CL)	
CL	CLAY (CL or CH)	
ML	Lean Clay (CL)	
OL	Lean Clay with SAND (CL)	
CL	CLAY (CL or CH)	
ML	Lean Clay (CL)	
OL	Lean Clay with SAND (CL)	
MC	MEDIUM COMPRESSIBLE SILTY SAND (MC)	BASED ON ASTM D2487, D2488 AND/OR OTHER APPLICABLE TESTS
ML	MEDIUM LEAN SILTY SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
MC	MEDIUM COMPRESSIBLE SILTY SAND (MC)	50 blows produced the indicated penetration during the initial 152 mm interval after an initial 152 mm seating on a 6.35 kg hammer with a 762 mm drop, or as specified.
MC	MEDIUM COMPRESSIBLE SILTY SAND (MC)	
ML	MEDIUM LEAN SILTY SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	50 blows produced the indicated penetration during the initial 152 mm interval after an initial 152 mm seating on a 6.35 kg hammer with a 762 mm drop, or as specified.
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	50 blows produced the indicated penetration during the initial 152 mm interval after an initial 152 mm seating on a 6.35 kg hammer with a 762 mm drop, or as specified.
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	
ML	MEDIUM LEAN SAND (ML)	



ELEVATION (FEET)	140	130	120	110	100	90	80	70	
140	ASPHALT 4-inch thick Asphalt Concrete.	GRAVELLY lean CLAY (CL); brown and gray; moist.	CONCRETE 5½-inch Concrete on surface.	Lean CLAY with SAND (CL); stiff; mottled dark gray and brown; trace gravel; medium plasticity fines.	Lean CLAY (CL); stiff; light brown and dark gray; dry; medium plasticity fines.	Lean CLAY (CL); very stiff; dark gray; moist; high plasticity fines; trace nodules up to 0.35-inch.	Lean CLAY (CL); very stiff; mottled brown and gray; plasticity fines; trace nodules.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.
130	AGGREGATE BASE [FILL]	FAT CLAY (CH); stiff; light brown and dark gray; dry; medium plasticity fines.	FAT CLAY (CH); stiff; mottled dark gray and brown; trace gravel; medium plasticity fines.	FAT CLAY (CH); very stiff; dark gray; moist; high plasticity fines; trace nodules up to 0.35-inch.	FAT CLAY (CH); very stiff; dark gray; moist; high plasticity fines; trace nodules.	FAT CLAY (CH); very stiff; dark gray; moist; high plasticity fines; trace organics.	FAT CLAY (CH); very stiff; mottled gray and brown; plasticity fines; trace organics.	FAT CLAY (CH); very stiff; mottled gray and brown; plasticity fines; trace organics.	FAT CLAY (CH); very stiff; mottled gray and brown; plasticity fines; trace organics.
120	Lean CLAY (CL); very stiff; mottled brown and gray; plasticity fines; trace nodules.	Lean CLAY (CL); very stiff; mottled brown and gray; plasticity fines; trace nodules.	SANDY SILT (ML); very stiff; mottled brown and gray; moist; fine SAND.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.
110	Medium stiff.	Medium stiff.	Medium stiff.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.	Lean CLAY (CL); very stiff; mottled gray and brown; plasticity fines; trace organics.
100									
90									
80									
70									



NOTES:
 Standard Penetration Test Sampler: I.D. = 2.5"; O.D. = 3" Hammer Assembly. A
 140 lb hammer with a 30" drop (Automatic Hammer)
 The Horizontal datum is NAVD 83 - Epoch 1991.55. Coordinates are on the California State Plane, Zone 0403. To obtain ground distances, multiply grid distances by 0.9999541. The Vertical datum is NAVD 88. Elevations and boring locations are interpreted from topo map.

BENCHMARK:
 PLAN
 1"=30'

PARIKH
Practicing in the Geotechnical

Santa Clara Valley
Transportation
Authority

DESIGNED BY: E. Ortakci

CHECKED BY: A. Laim

DRAWN BY: K. Ouyang

PROJECT NO.: 801HP346.dwg

DATE: NO. 06/20

95% SUBMITTAL SET

DATE: NO. 03/19

65% SUBMITTAL SET

DATE: NO. 06/18

35% SUBMITTAL SET

APPROVED

ENGINEERS / SURVEYORS / PLANNERS

SCALE: 1:30

CADD RELEASE DATE: 03/26/20

BOARD APPROVAL DATE: 06/29/20

FILE LOCATION: PROJECTWISE

CONTRACT NO.: C801

PCAD NO.: 000

REVISIONS

STA 1091+60 TO STA 1095+05

LOG OF TEST BORINGS
 GEOTECHNICAL
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 EASTRIDGE TO BART REGIONAL CONNECTOR

SHEET OF

DRAWING NO.: HP346

REVISION: C

GENERAL NOTES:

- CORROSION CONTROL WORK FOR THIS PROJECT INCLUDES ELECTRICAL CONTINUITY OF THE TOP LAYER OF TRACK SLAB REINFORCING STEEL, CORROSION MONITORING SYSTEM ON AERIAL GUIDEWAYS, AND ELECTRICAL ISOLATION OF THE RUNNING RAILS FROM EARTH.
- ALL CORROSION CONTROL INSTALLATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL STATE AND FEDERAL REQUIREMENTS.
- ANY PROPOSED MODIFICATIONS TO THE CORROSION CONTROL SYSTEMS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL.

TESTING:

- ALL CORROSION CONTROL TESTING SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A REGISTERED CORROSION ENGINEER OR A NACE INTERNATIONAL CORROSION SPECIALIST.
- AERIAL GUIDEWAY MONITORING SYSTEM TESTING SHALL BE DONE BEFORE AND AFTER REVENUE SERVICE AS OUTLINED IN THE SPECIFICATION SECTION 264200.13.
- TRACK-TO-EARTH RESISTANCE TESTING SHALL BE PERFORMED DURING TRACK INSTALLATION AND AFTER TRACK INSTALLATION, BUT BEFORE REVENUE SERVICE AS OUTLINED IN SPECIFICATION SECTION 341113.33.

CORRESPONDING SB STATION	FEATURE NUMBER
972+10	ABUT 1
973+04	BENT 2
974+29	BENT 3
975+54	BENT 4
976+79	BENT 5
978+27	BENT 6
979+77	BENT 7
981+27	BENT 8
982+77	BENT 9
984+27	BENT 10
985+57	BENT 11
987+05	BENT 12
988+53	BENT 13
987+05	BENT 14
991+23	BENT 15
992+48	BENT 16
993+98	BENT 17
995+77	BENT 18
997+05	BENT 19
998+35	BENT 20
999+75	BENT 21
1001+15	BENT 22
1002+55	BENT 23
1003+95	BENT 24
1005+35	BENT 25
1006+75	BENT 26
1008+15	BENT 27
1009+65	BENT 28
1011+15	BENT 29
1012+55	BENT 30
1013+95	BENT 31
1015+35	BENT 32
1016+75	BENT 33
1018+15	BENT 34
1019+36	BENT 35
1021+15	BENT 36
1022+65	BENT 37
1024+15	BENT 38

CORRESPONDING SB STATION	FEATURE NUMBER
1025+65	BENT 39
1027+13	BENT 40
1028+61	BENT 41
1030+09	BENT 42
1031+57	BENT 43
1033+05	BENT 44
1034+53	BENT 45
1036+02	BENT 46
1037+75	BENT 47
1039+23	BENT 48
1040+63	BENT 49
1042+03	BENT 50
1043+42	BENT 51
1044+97	BENT 52
1046+42	BENT 53
1047+87	BENT 54
1049+32	BENT 55
1050+81	BENT 56
1052+31	BENT 57
1053+81	BENT 58
1055+31	BENT 59
1056+81	BENT 60
1058+31	BENT 61
1059+81	BENT 62
1061+11	BENT 63
1062+41	BENT 64
1063+71	BENT 65
1065+01	BENT 66
1066+31	BENT 67
1067+21	BENT 68
1069+19	BENT 69
1070+71	BENT 70
1072+19	BENT 71
1073+79	BENT 72
1075+39	BENT 73
1076+99	BENT 74
1078+71	BENT 75
1079+97	ABUT 76

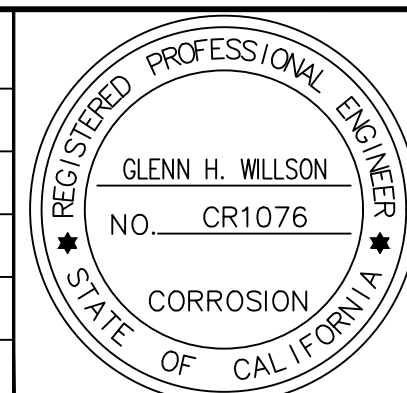
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983+01	4
985+81	5
988+81	6
992+28	7
996+11	8
999+47	9
1002+32	10
1005+12	11
1007+92	12
1010+91	13
1013+72	14
1016+52	15
1019+41	16
1022+41	17
1025+41	18
1028+37	19
1031+33	20
1034+77	21
1037+99	22
1040+86	23
1044+71	24
1048+11	25
1051+05	26
1054+05	27
1057+05	28
1060+02	29
1062+62	30
1065+22	31
1067+95	32
1071+95	33
1075+65	34

1 CORROSION MONITORING TEST STATION SCHEDULE

3 HINGE BONDING TEST STATION SCHEDULE

Jun 29, 2020 - 9:28am C:\Users\veschaab\AppData\Local\Temp\ApPublish_18212\VP_04_CorrosionControl_95%.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



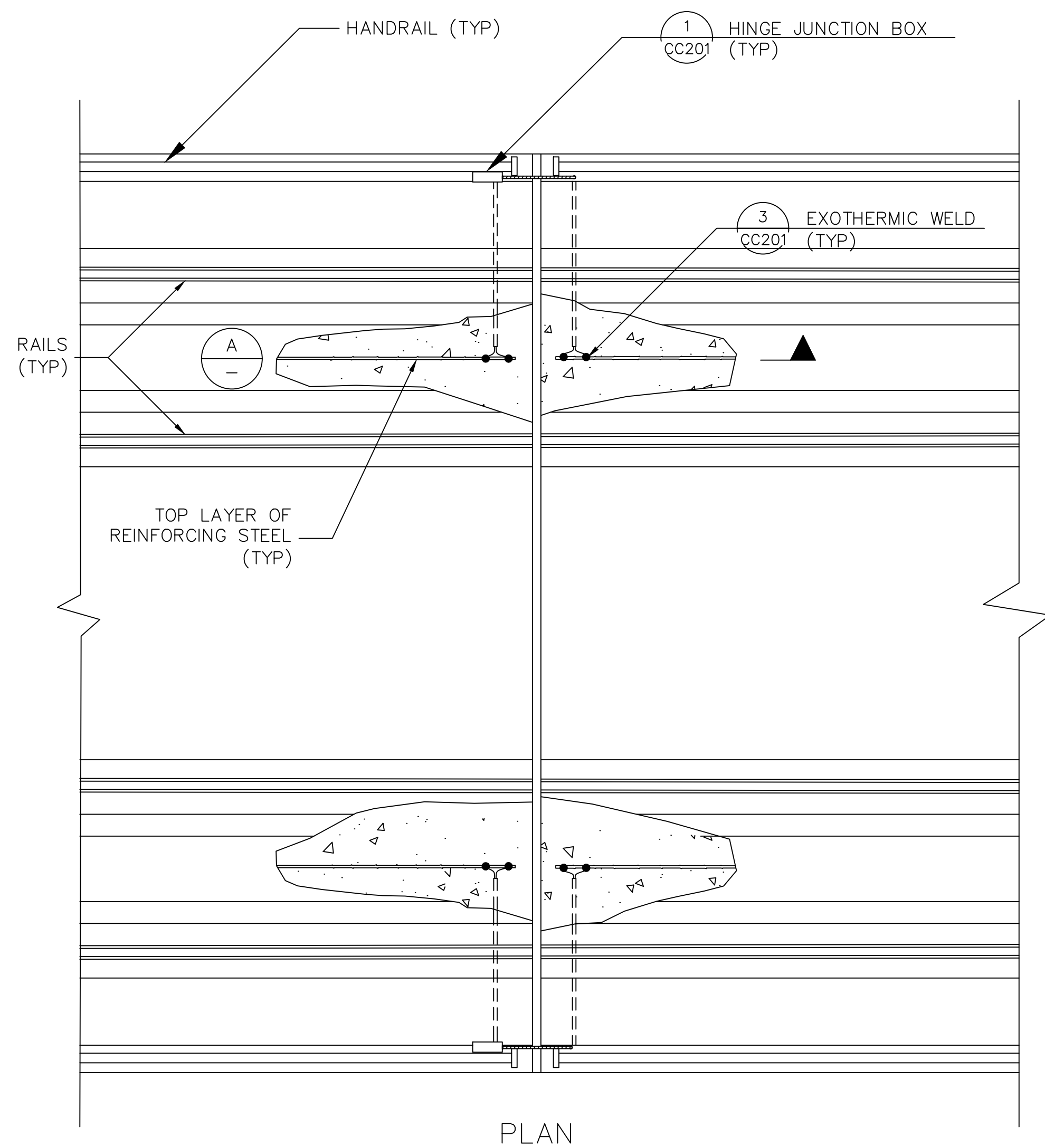
SUBMITTED	
 1000 Broadway, Suite 320 Oakland, CA 94607 Tel. (510) 903-6600, Fax (510) 903-6601 Project No. 16-0275	
DESIGNED	CHECKED
C. Teall	G. Willson
DRAWN	CADD FILE NAME
S. Schaab	801CC001



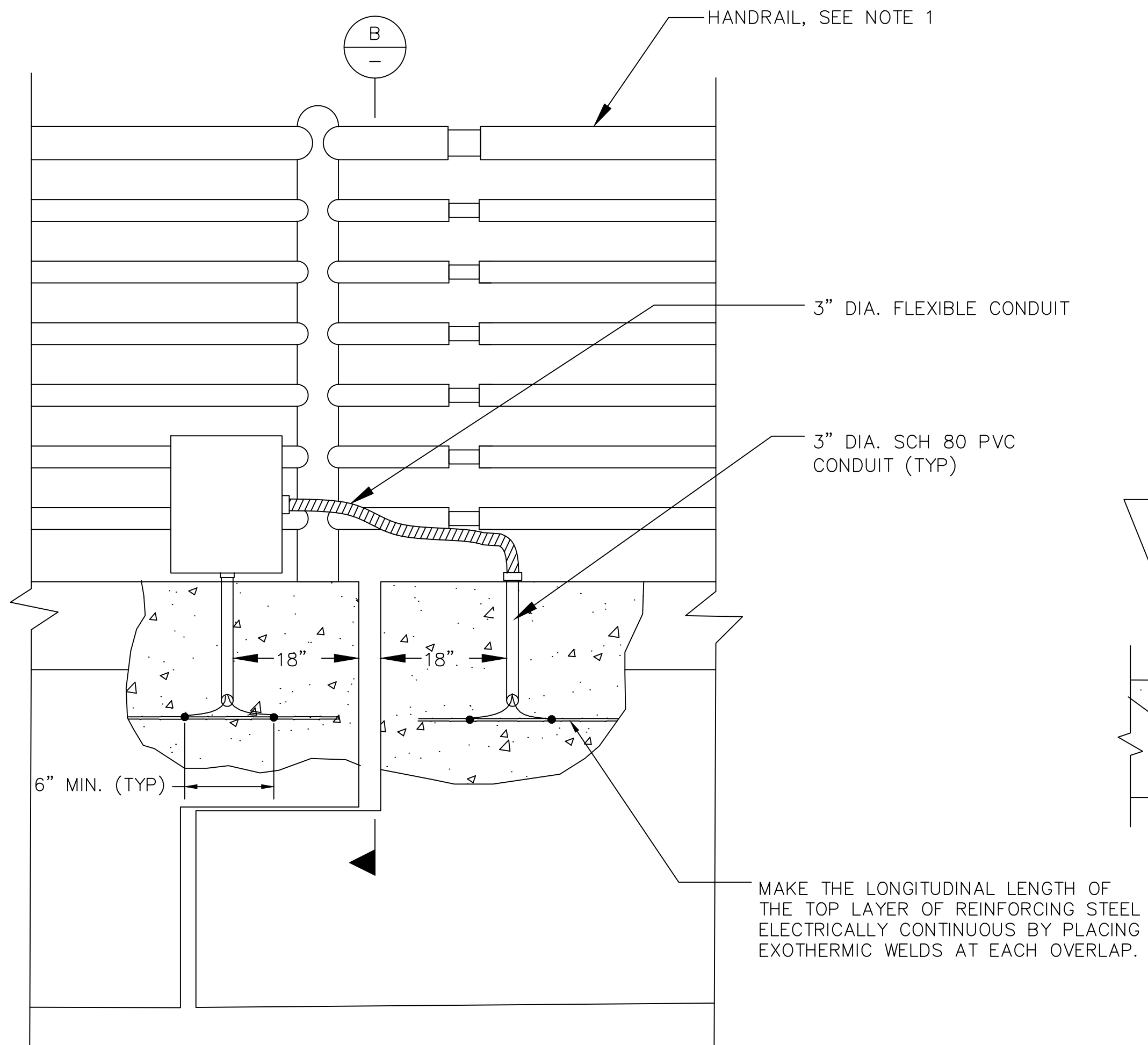
APPROVED	
 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/25/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
CORROSION CONTROL - GENERAL NOTES		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

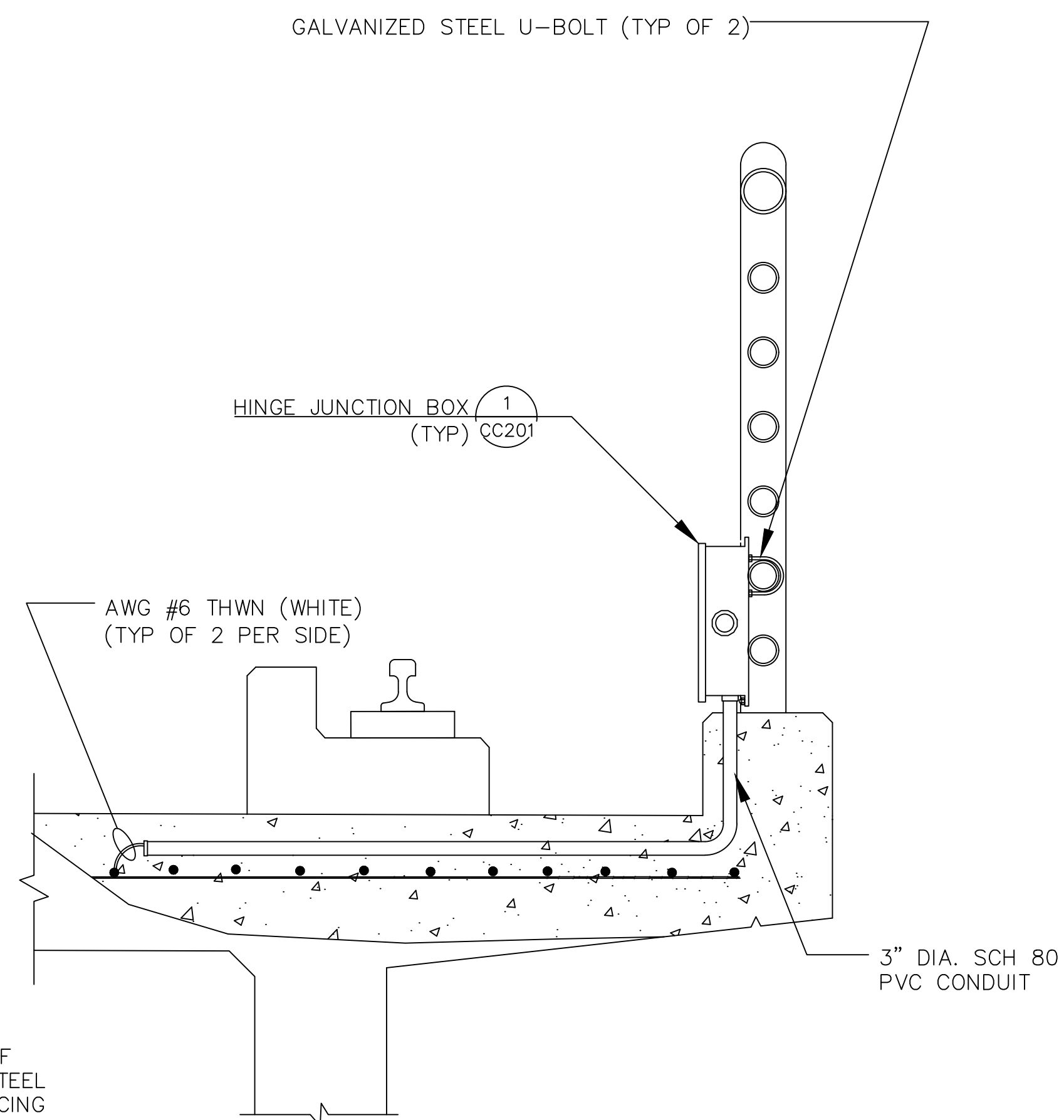
SHEET	OF
DRAWING NO.	CC001
REVISION	A



1 HINGE BOND TEST STATION DETAIL
N.T.S.



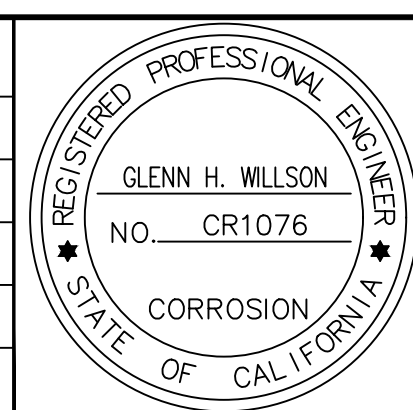
A SECTION
N.T.S.



B SECTION
N.T.S.

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



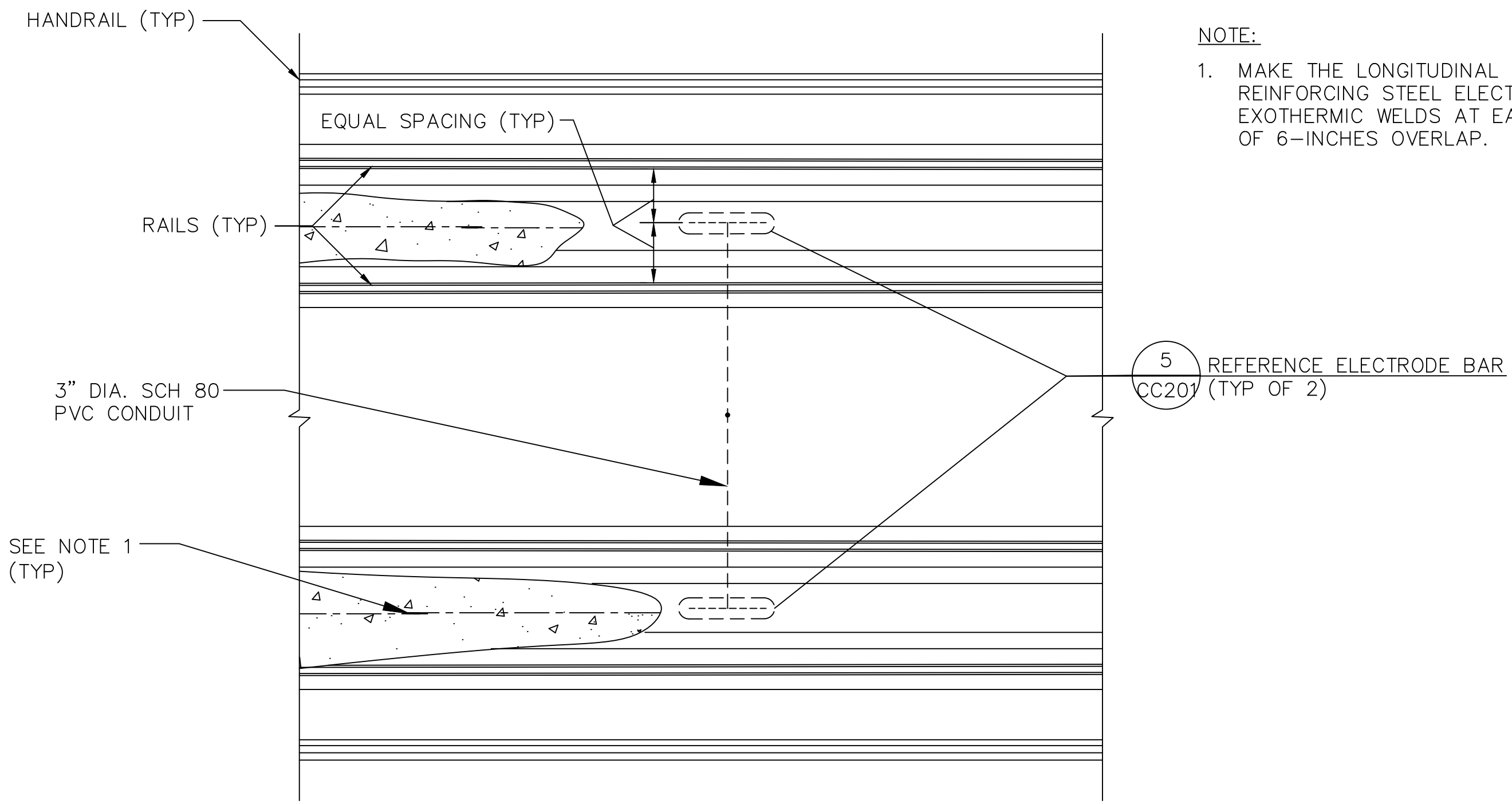
SUBMITTED	
 1000 Broadway, Suite 320 Oakland, CA 94607 Tel. (510) 903-6600, Fax (510) 903-6601 Project No. 16-0275	
DESIGNED	CHECKED
C. Teall	G. Willson
DRAWN	CADD FILE NAME
S. Schaab	801CC101



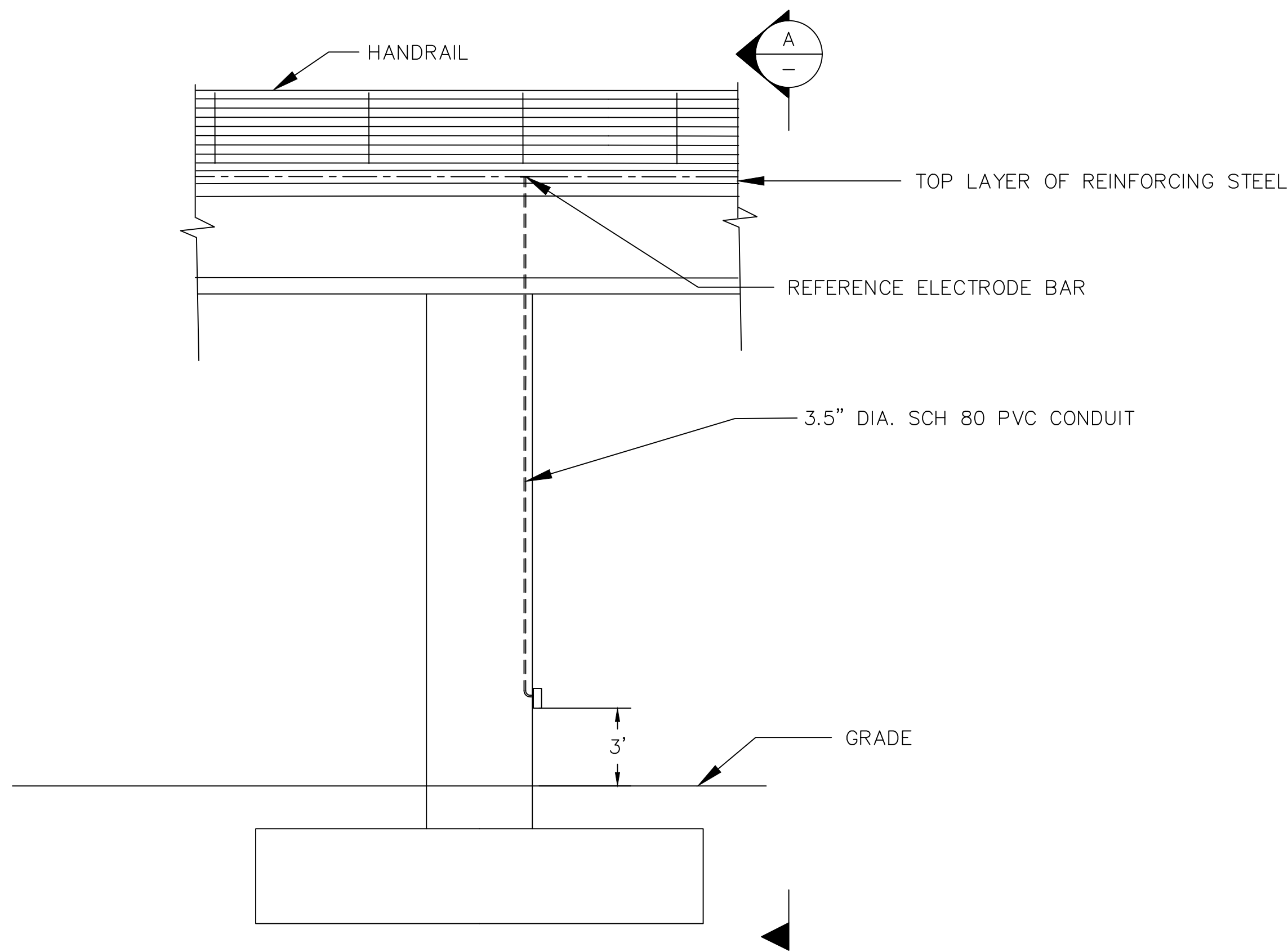
APPROVED	
 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/25/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT CORROSION CONTROL - AERIAL GUIDEWAY HINGE BOND		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	CC101
REVISION	A

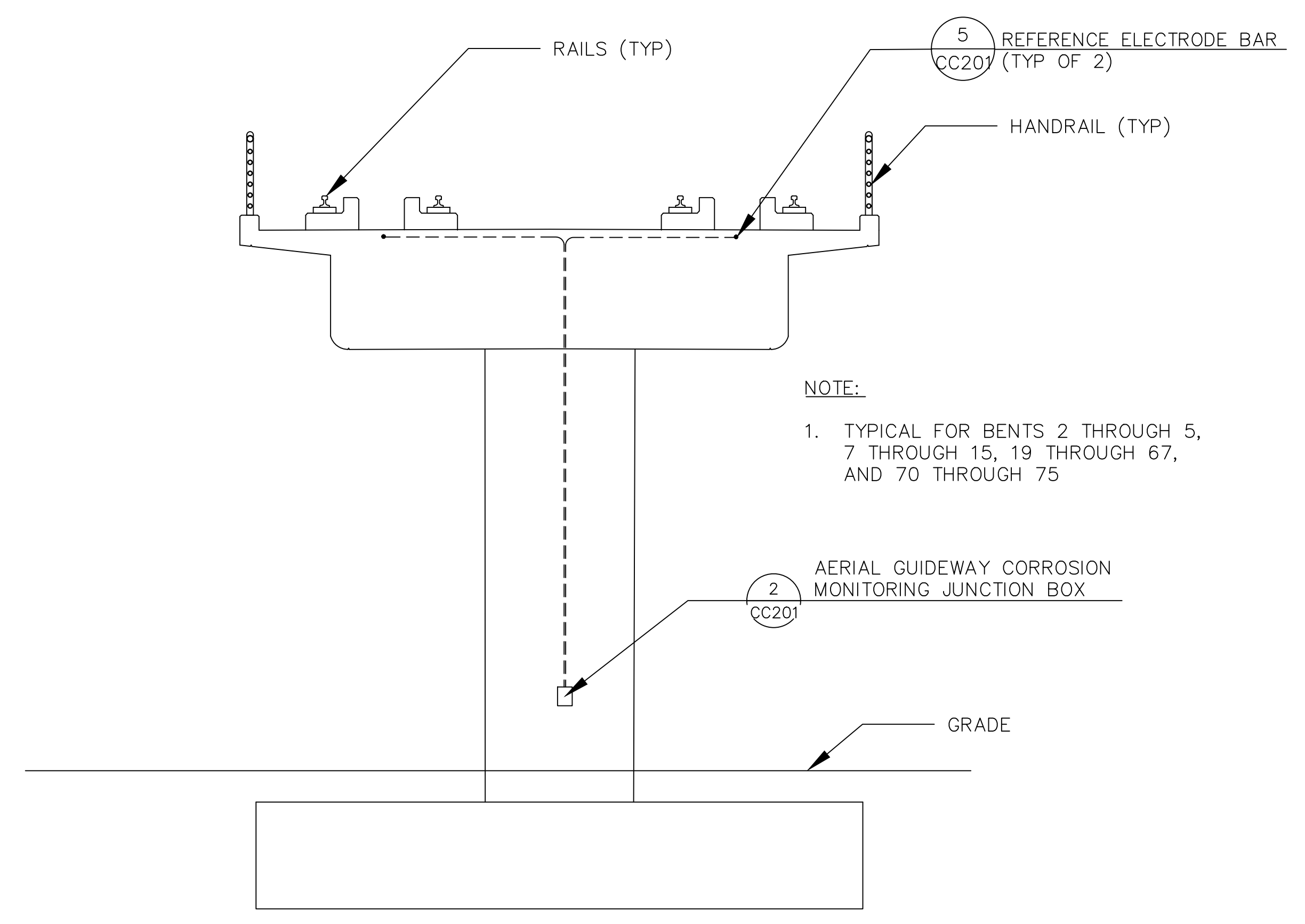


PLAN



ELEVATION

1 CORROSION MONITORING TEST STATION AT BENT
N.T.S.



A SECTION
N.T.S.

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



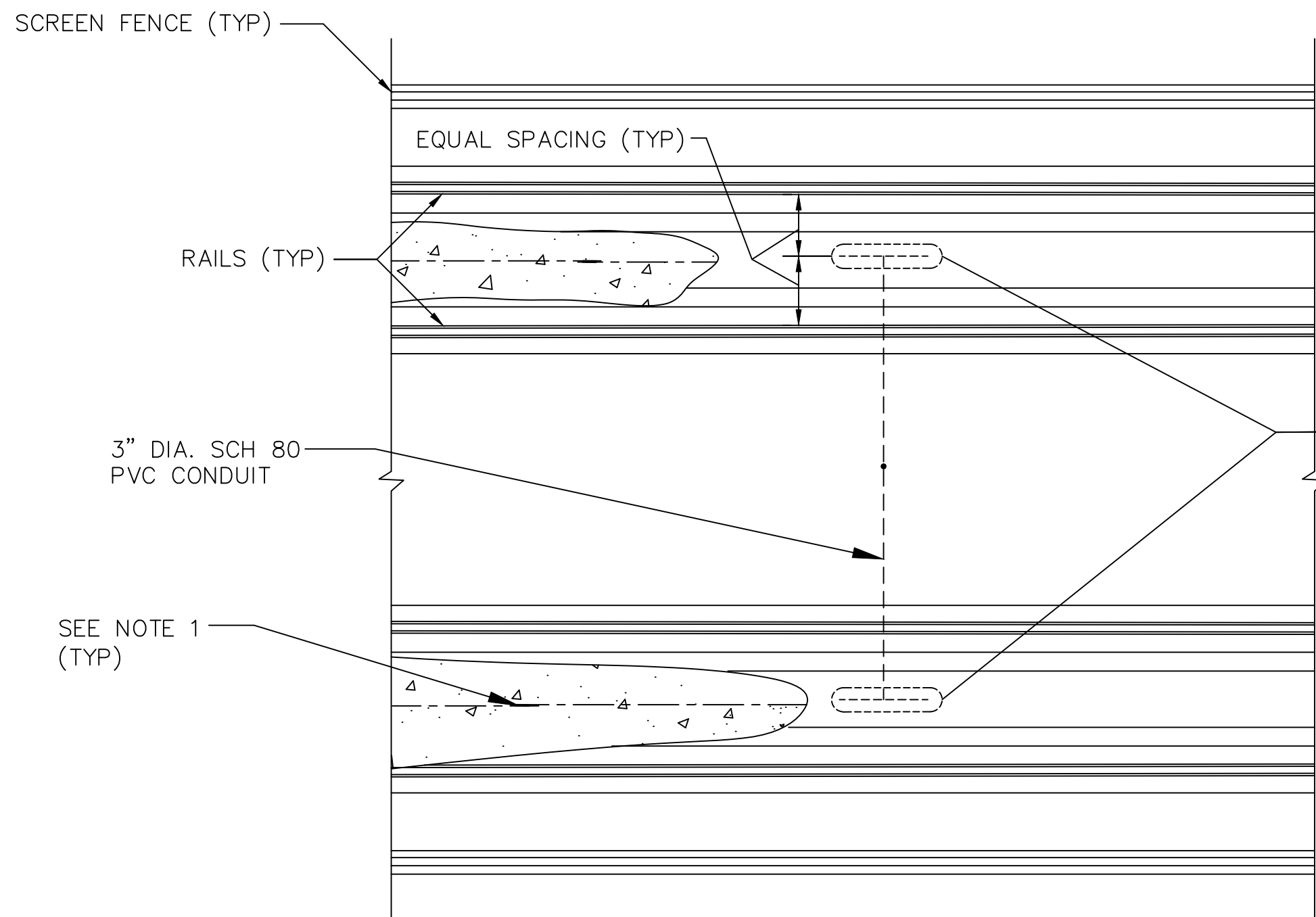
SUBMITTED	
DESIGNED C. Teall	CHECKED G. Willson
DRAWN S. Schaab	CADD FILE NAME 801CC102

Santa Clara Valley Transportation Authority
 1000 Broadway, Suite 320
 Oakland, CA 94607
 Tel. (510) 903-6600, Fax (510) 903-6601
 Project No. 16-0275

ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/25/20
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT CORROSION CONTROL - AERIAL GUIDEWAY CORROSION MONITORING AT BENTS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. CC102
REVISION A

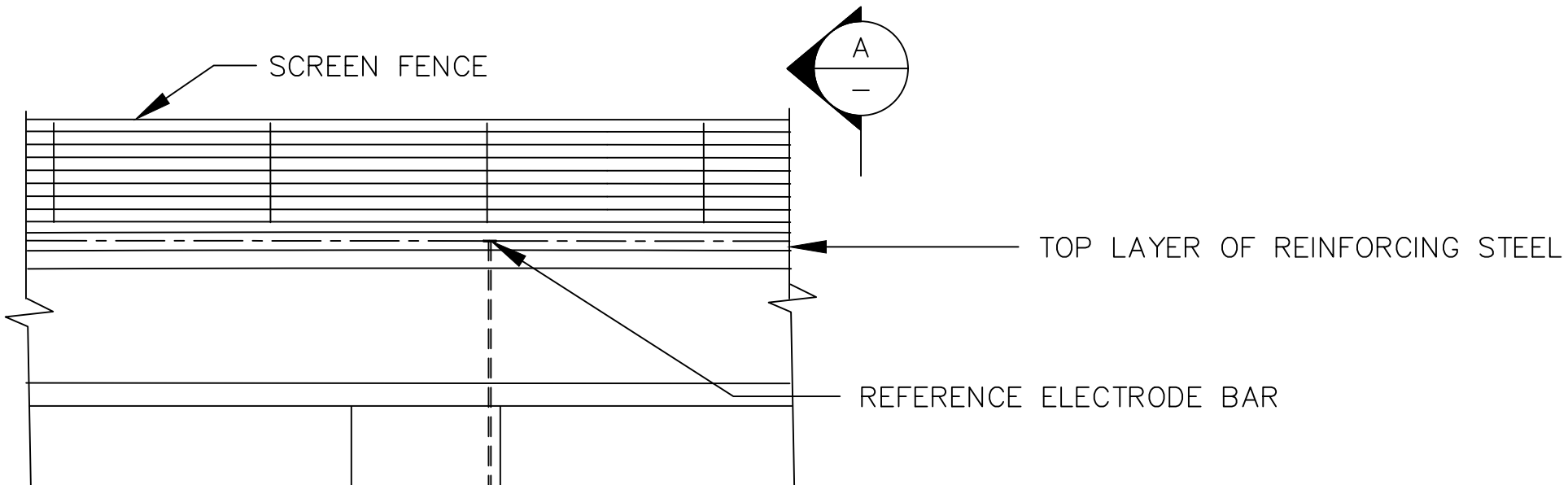


NOTE:

1. MAKE ALL THE TOP LAYER OF THE LONGITUDINAL REINFORCING STEEL ELECTRICALLY CONTINUOUS BY PLACING EXOTHERMIC WELDS AT EACH OVERLAP. PROVIDE A MINIMUM OF 6-INCHES OVERLAP.

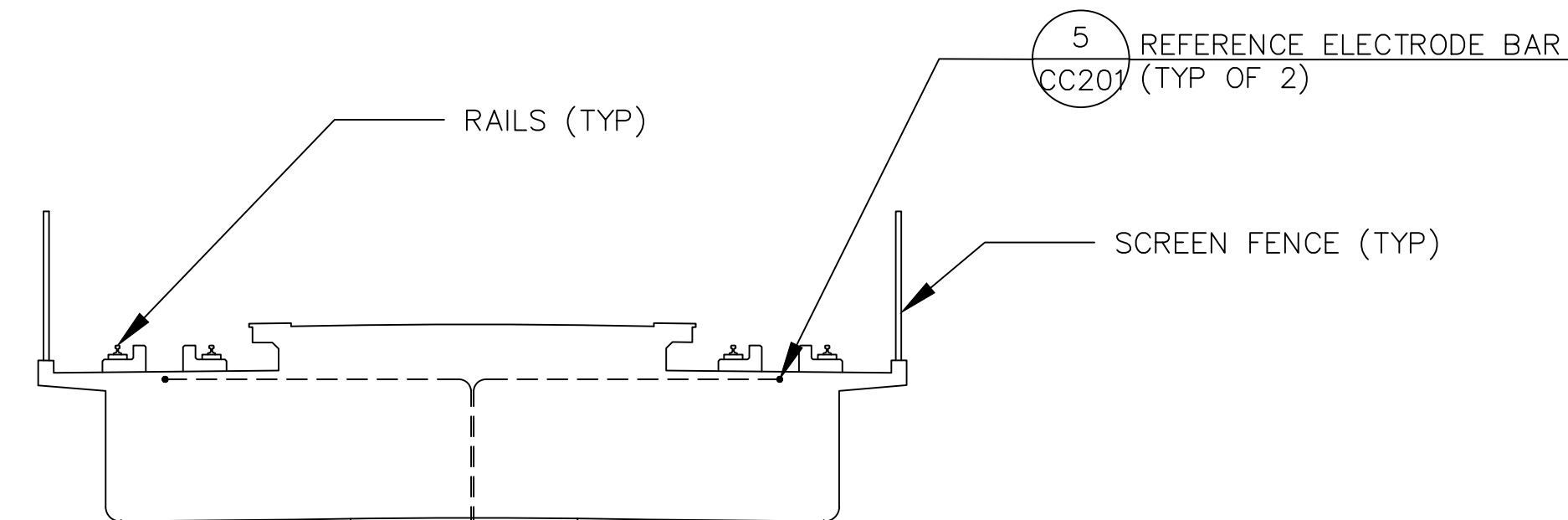
5 REFERENCE ELECTRODE BAR
CC201 (TYP OF 2)

PLAN



ELEVATION

1 CORROSION MONITORING TEST STATION AT BENT
N.T.S.



NOTE:

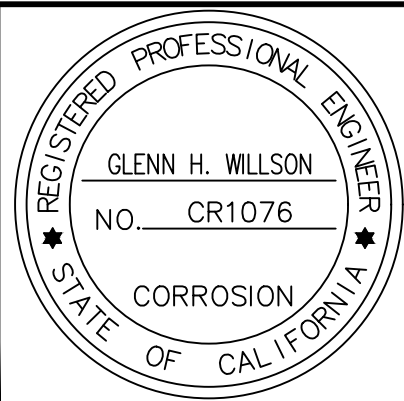
1. TYPICAL FOR BENTS 16 THROUGH 18

2 AERIAL GUIDEWAY CORROSION
MONITORING JUNCTION BOX
CC201

A SECTION
N.T.S.

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED	
 1000 Broadway, Suite 320 Oakland, CA 94607 Tel: (510) 903-6600, Fax: (510) 903-6601 Project No. 16-0275	
DESIGNED C. Teall	CHECKED G. Willson
DRAWN S. Schaab	CADD FILE NAME 801CC103

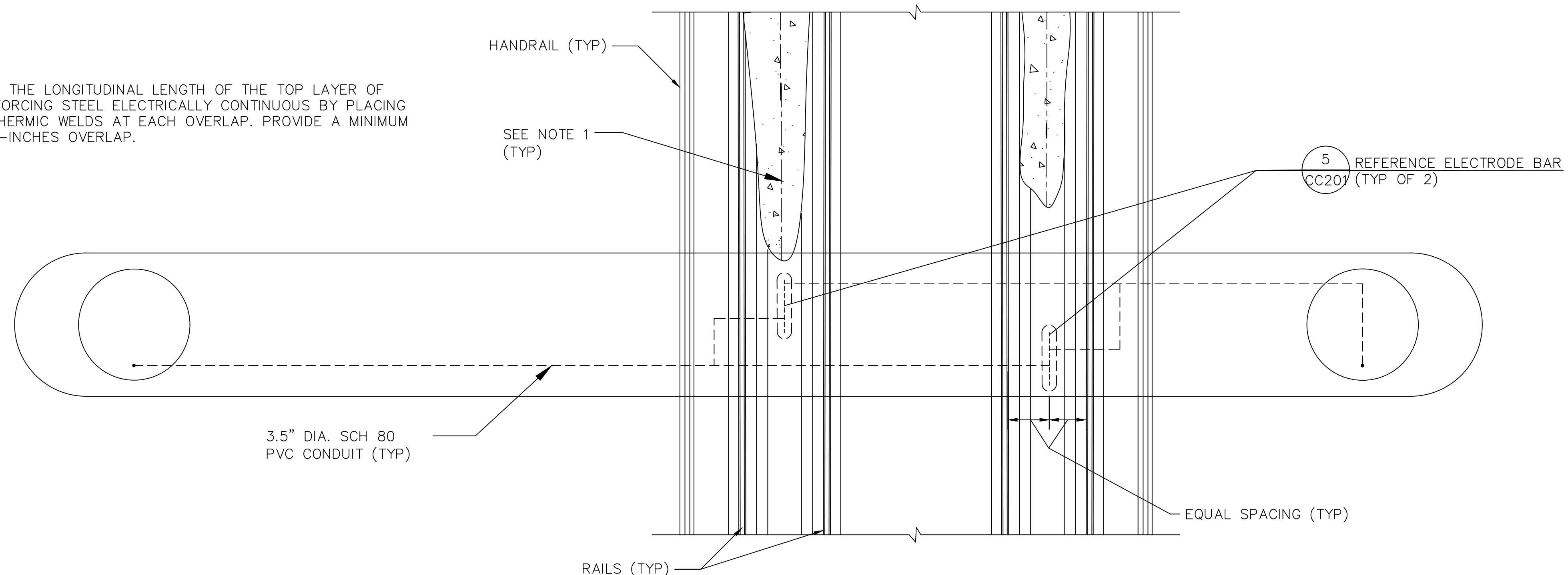


APPROVED	
100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/25/20	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

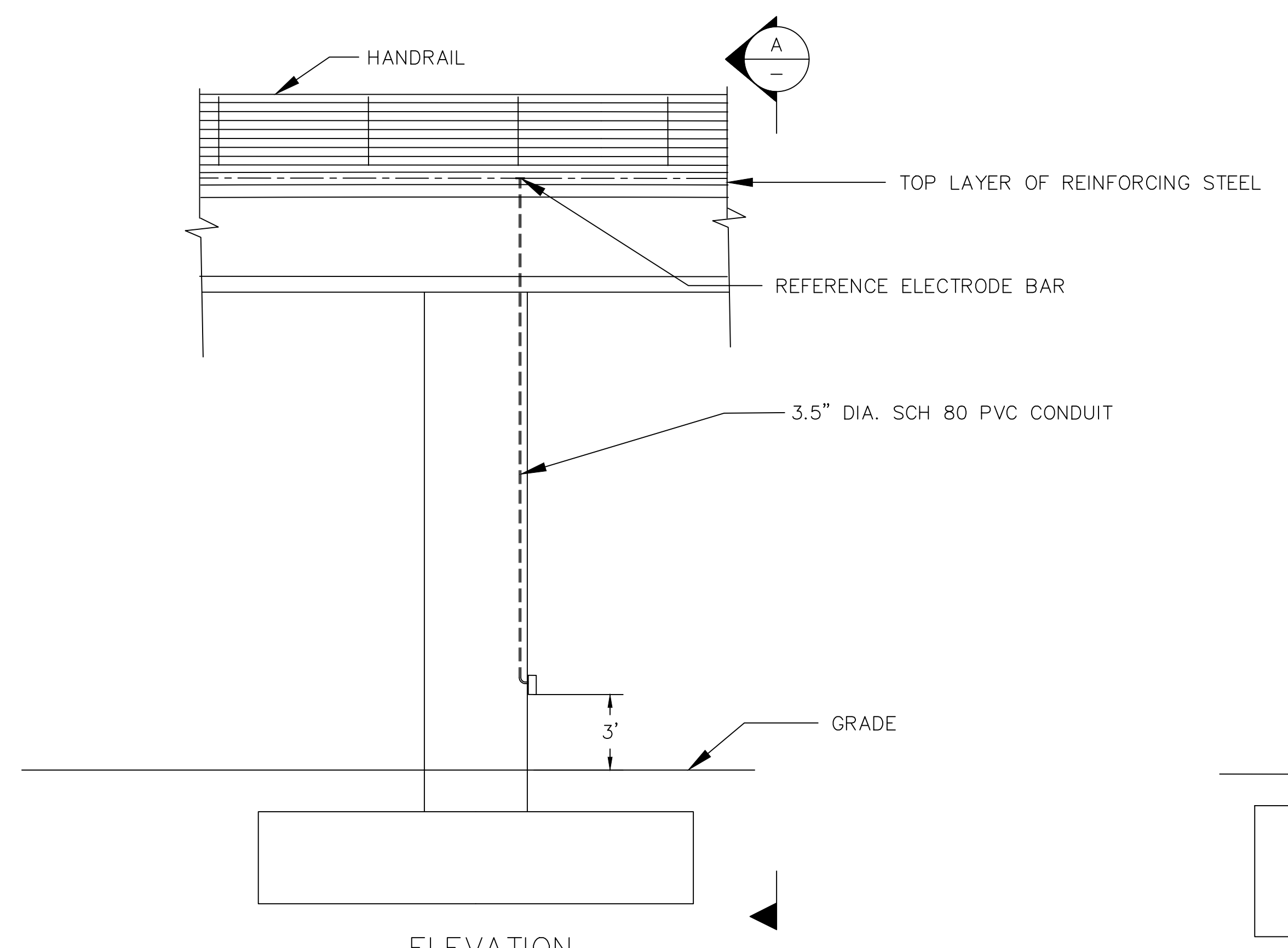
EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET OF
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			
CORROSION CONTROL - AERIAL GUIDEWAY CORROSION MONITORING AT BENTS			DRAWING NO. CC103
			REVISION A
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

NOTE:

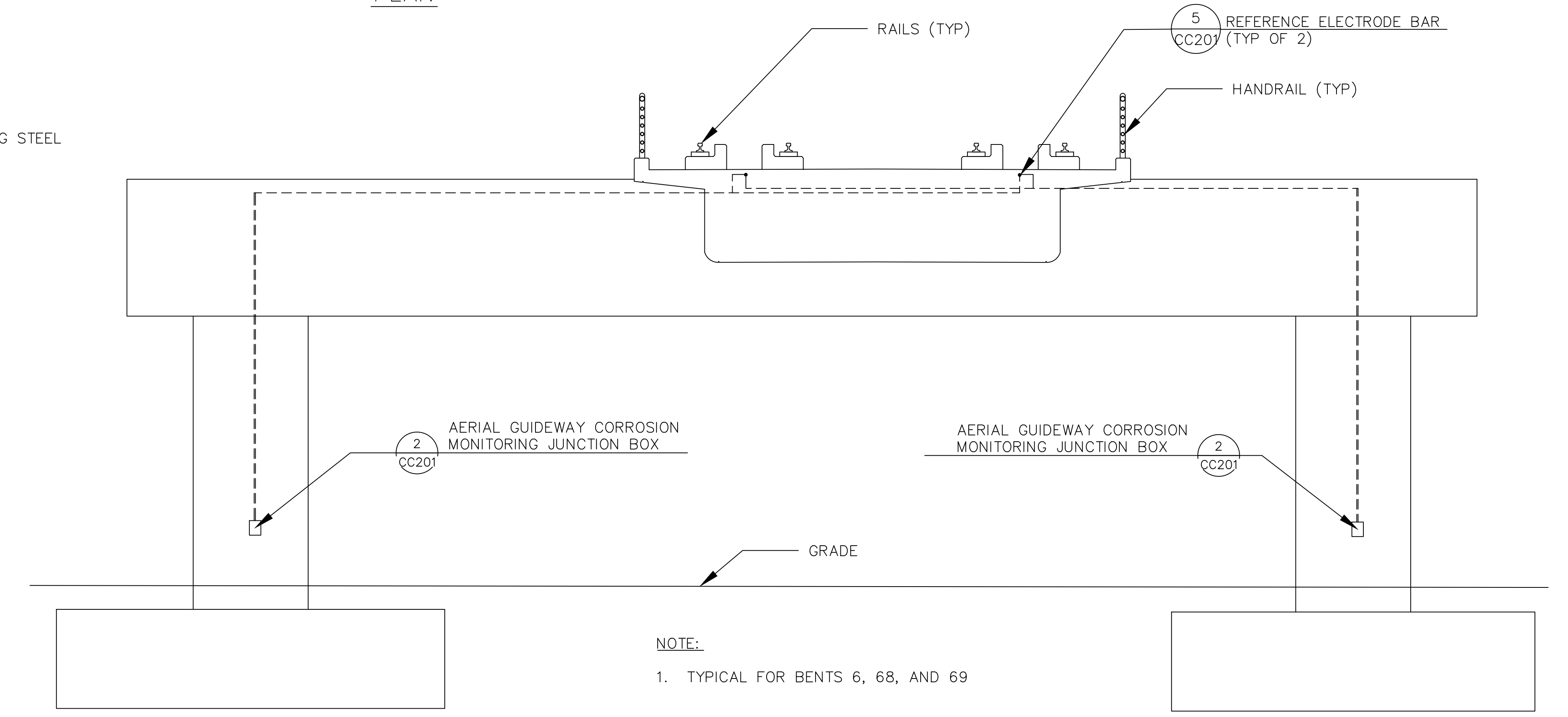
1. MAKE THE LONGITUDINAL LENGTH OF THE TOP LAYER OF REINFORCING STEEL ELECTRICALLY CONTINUOUS BY PLACING EXOTHERMIC WELDS AT EACH OVERLAP. PROVIDE A MINIMUM OF 6-INCHES OVERLAP.



PLAN



ELEVATION



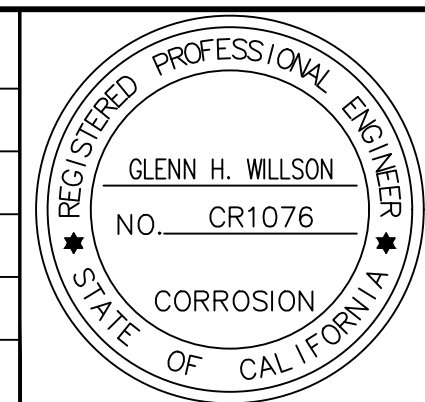
SECTION A-A
N.T.S.

- NOTE:
1. TYPICAL FOR BENTS 6, 68, AND 69

1 CORROSION MONITORING TEST STATION AT BENT
N.T.S.

Jun 29, 2020 - 9:28am C:\Users\vschaab\AppData\Local\Temp\Asp-Publish-18212\VP_04_CorrosionControl_95%_dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED	
V&A	
1000 Broadway, Suite 320 Oakland, CA 94607 Tel. (510) 903-6600, Fax (510) 903-6601 Project No. 16-0275	
DESIGNED C. Teall	CHECKED G. Willson
DRAWN S. Schaab	CADD FILE NAME 801CC103

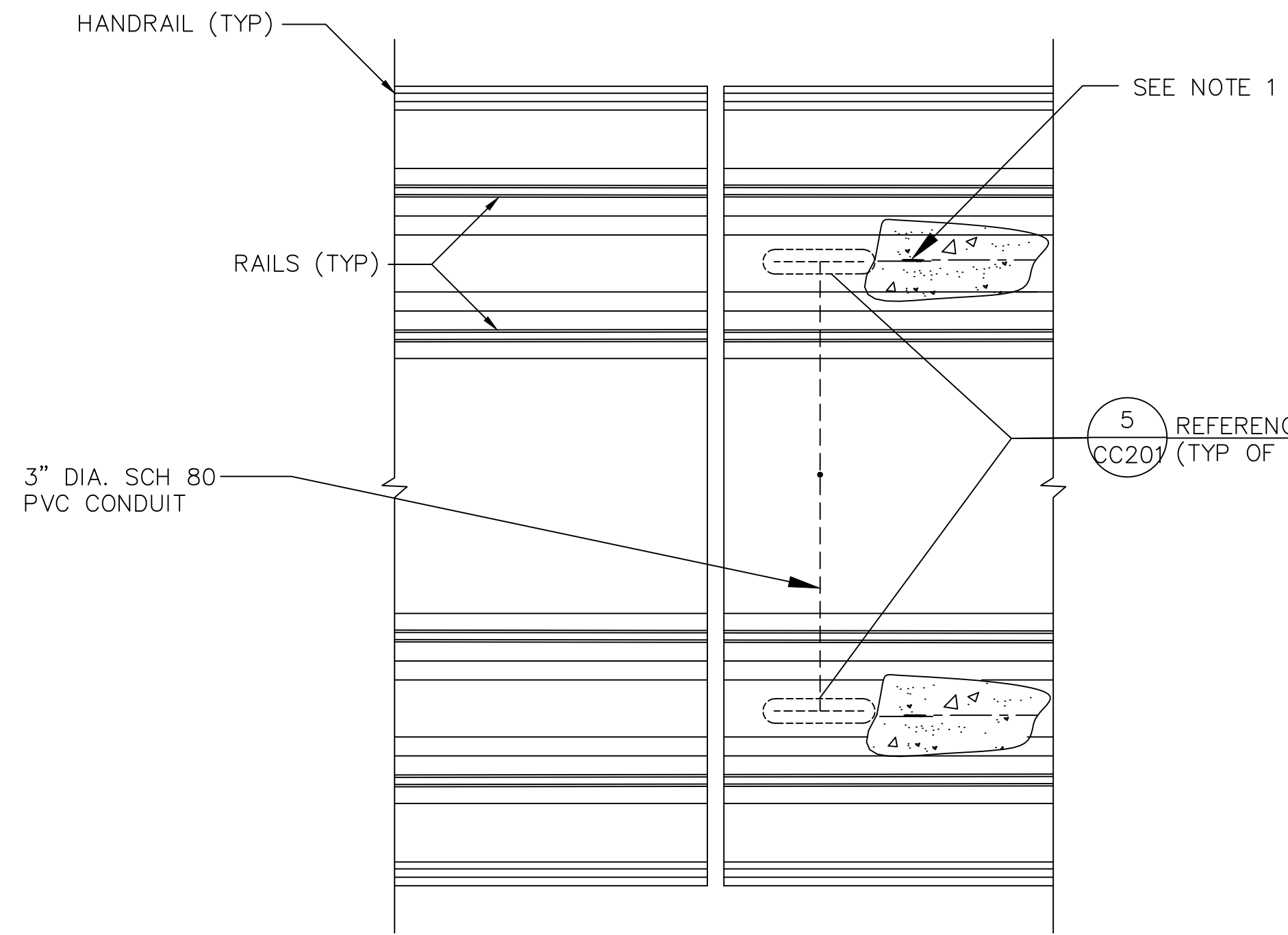
Santa Clara Valley Transportation Authority

APPROVED

CADD FILE DATE 06/25/20	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT CORROSION CONTROL - AERIAL GUIDEWAY CORROSION MONITORING AT BENTS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

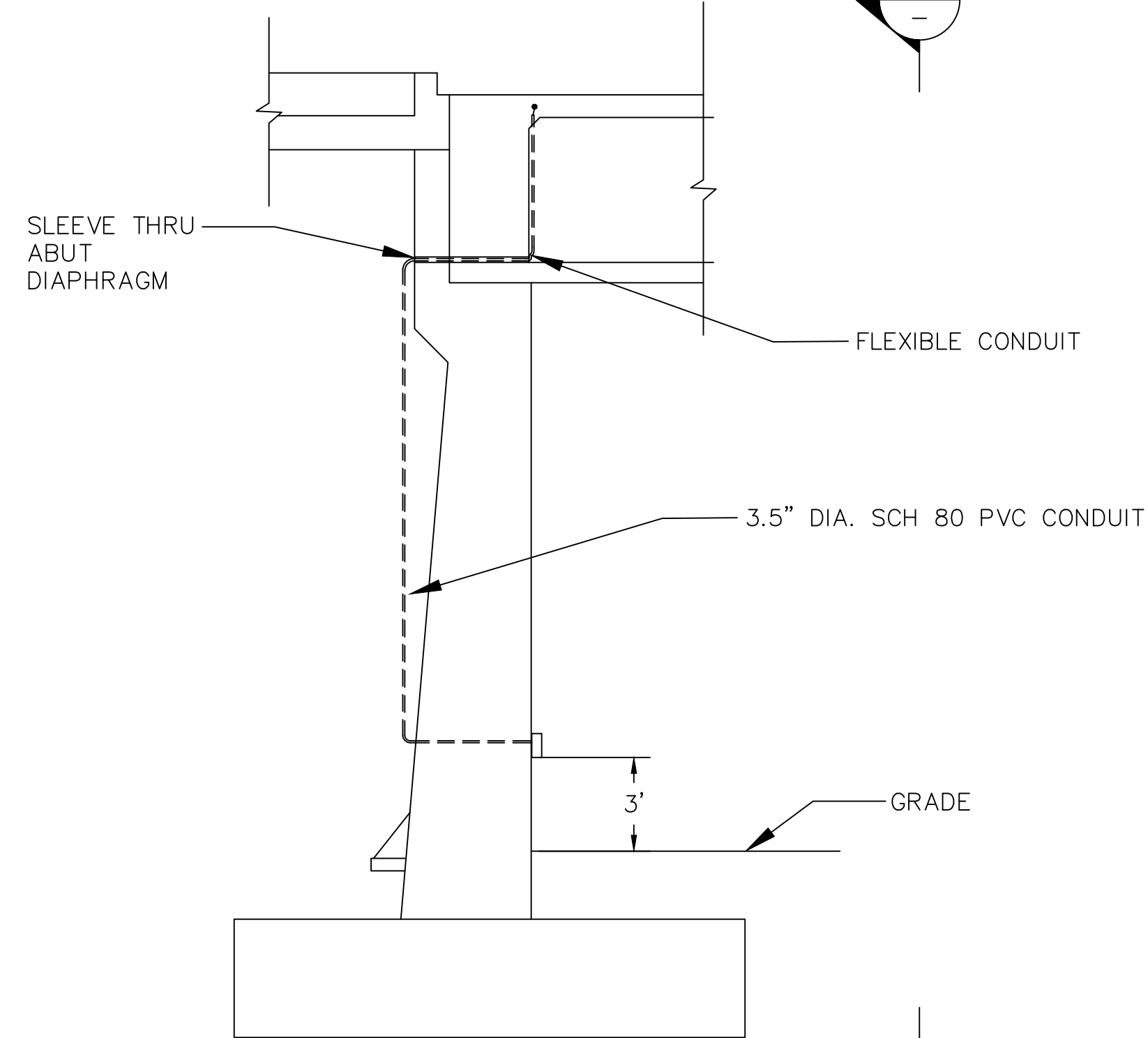
SHEET OF
DRAWING NO. CC104
REVISION A



NOTE:
 1. MAKE ALL THE TOP LAYER OF THE LONGITUDINAL REINFORCING STEEL ELECTRICALLY CONTINUOUS BY PLACING EXOTHERMIC WELDS AT EACH OVERLAP. PROVIDE A MINIMUM OF 6-INCHES OVERLAP.

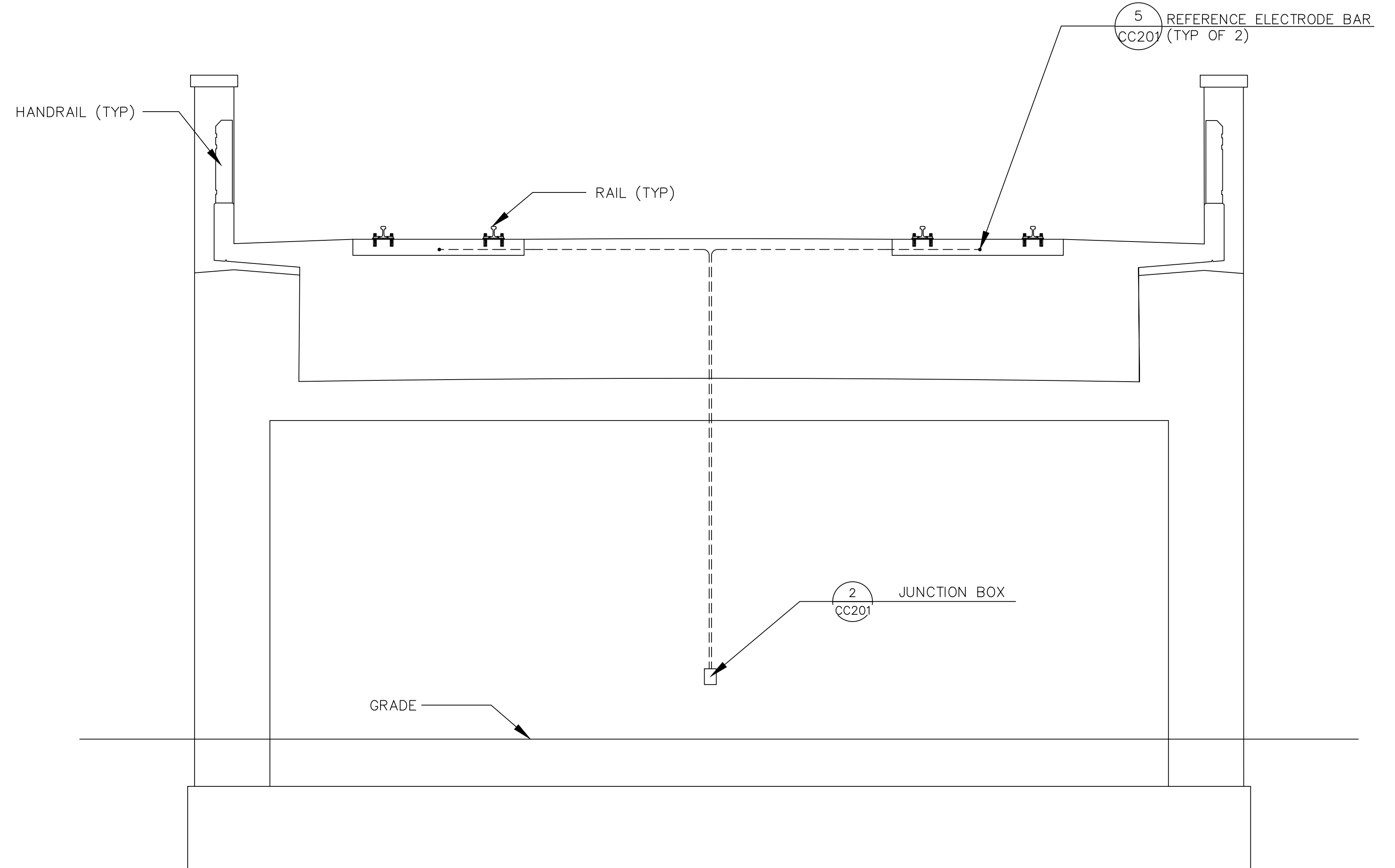
5 REFERENCE ELECTRODE BAR
 CC201 (TYP OF 2)

PLAN



ELEVATION

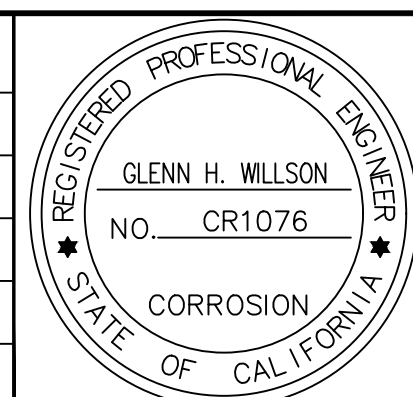
1 CORROSION MONITORING TEST STATION AT ABUT
 N.T.S.



A SECTION
 N.T.S.

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



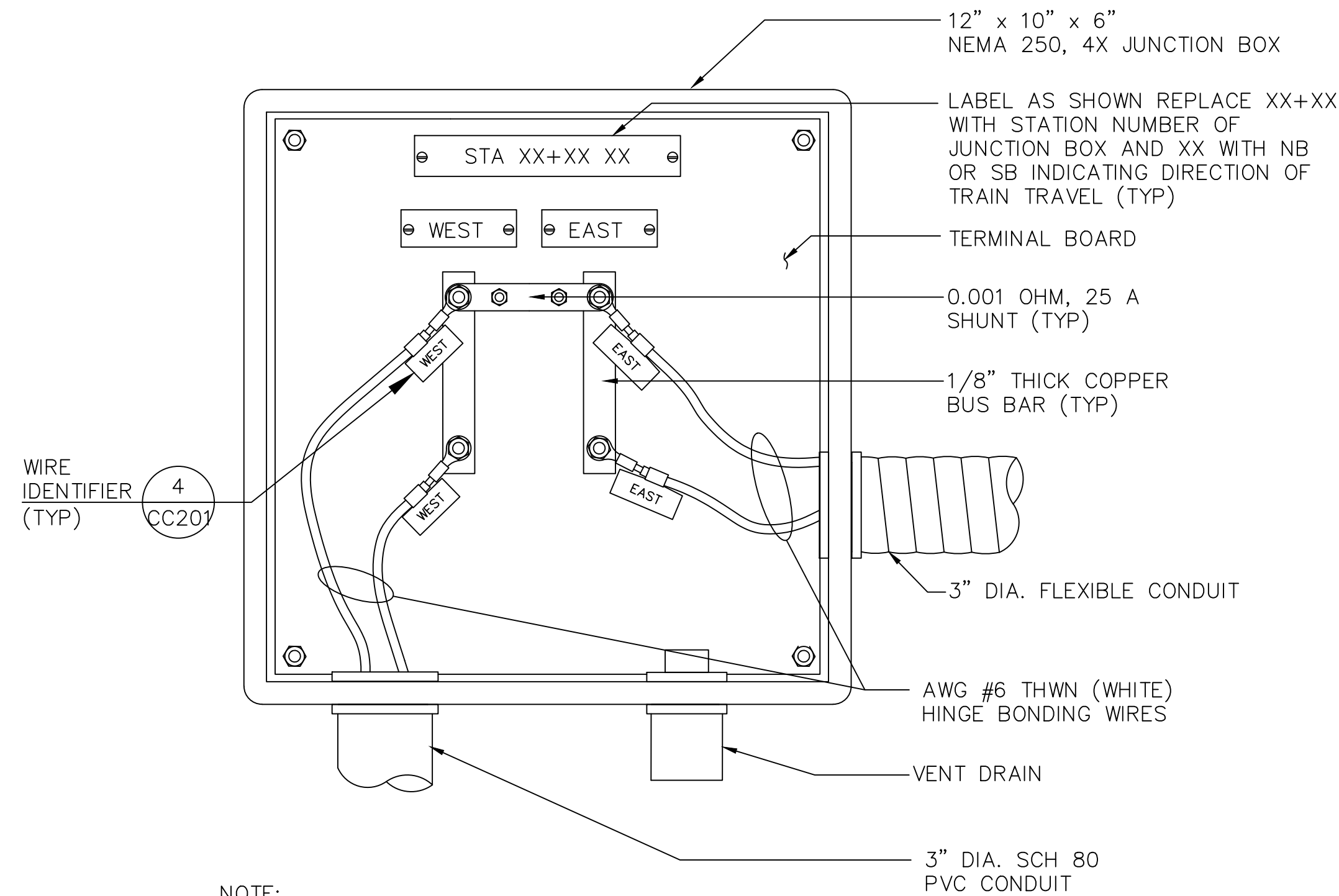
SUBMITTED V&A 1000 Broadway, Suite 320 Oakland, CA 94607 Tel. (510) 903-6600, Fax (510) 903-6601 Project No. 16-0275	
DESIGNED C. Teall	CHECKED G. Willson
DRAWN S. Schaab	CADD FILE NAME 801CC104



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
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EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT CORROSION CONTROL - AERIAL GUIDEWAY CORROSION MONITORING AT ABUTS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

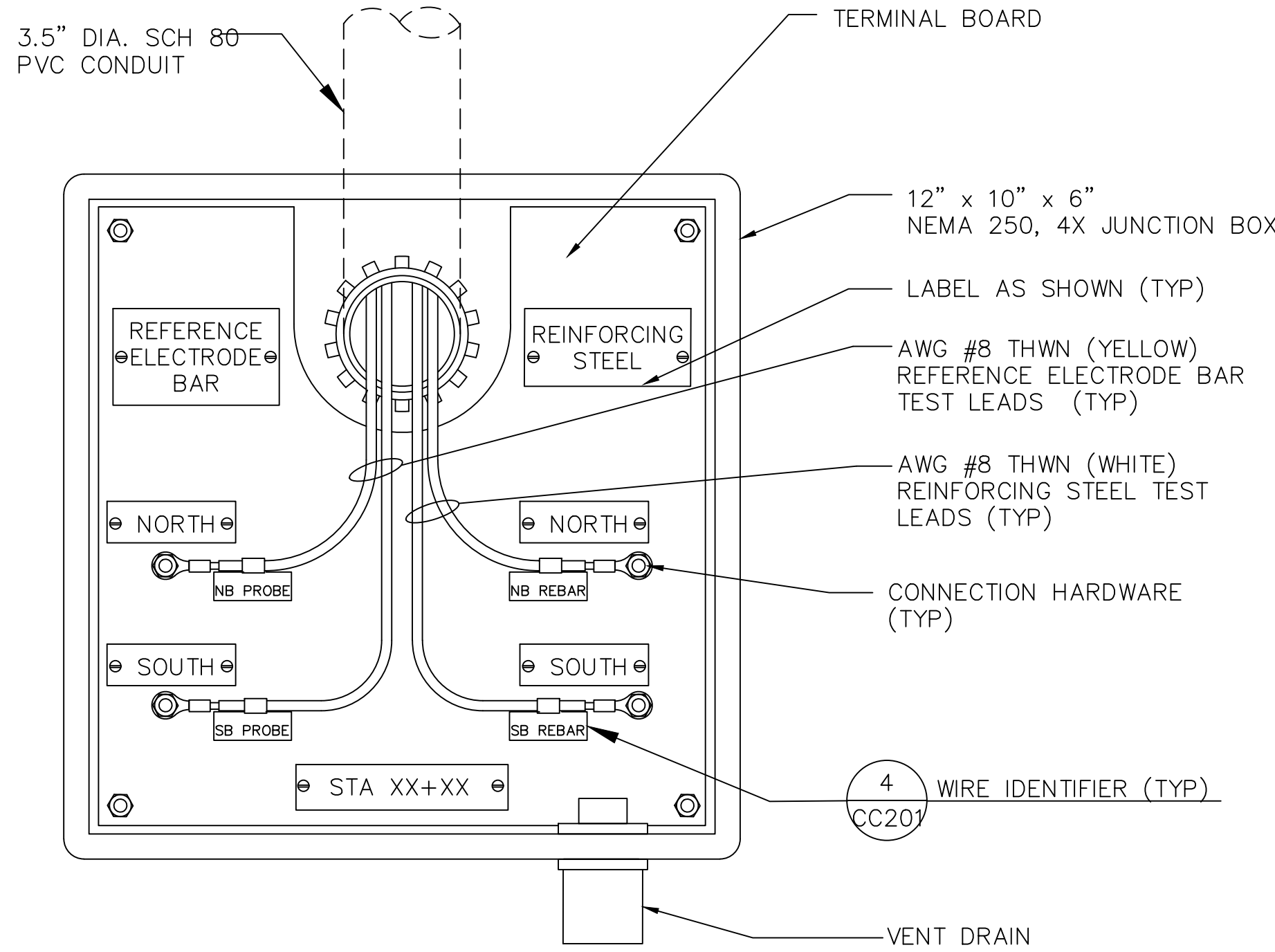
SHEET OF	DRAWING NO. CC105
	REVISION A



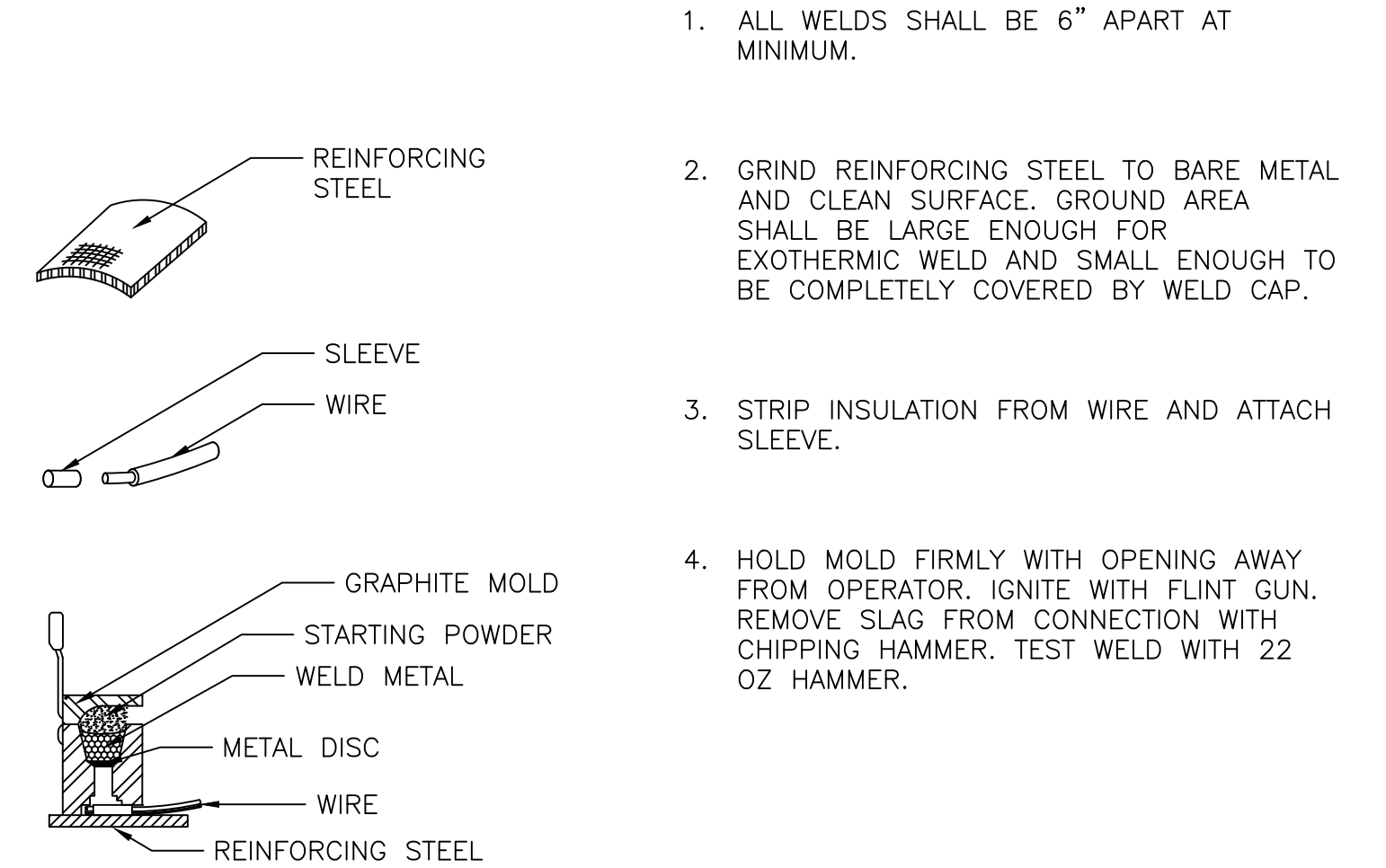
NOTE:

1. BONDING WIRES SHALL ALLOW AT LEAST 2-INCHES OF MOVEMENT AT EACH HINGE.

1 HINGE BONDING JUNCTION BOX DETAIL
- N.T.S.

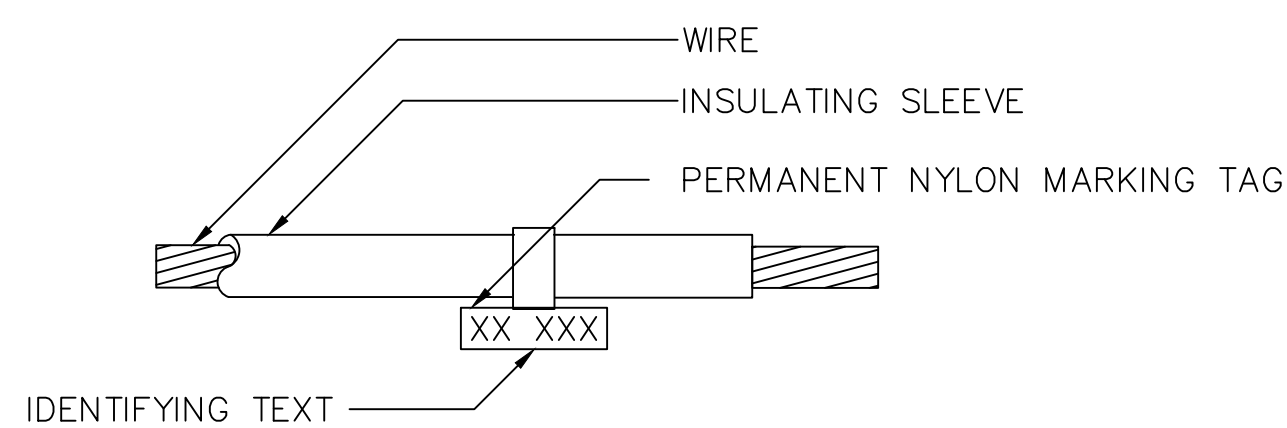


2 AERIAL GUIDEWAY CORROSION MONITORING
JUNCTION BOX DETAIL
- N.T.S.

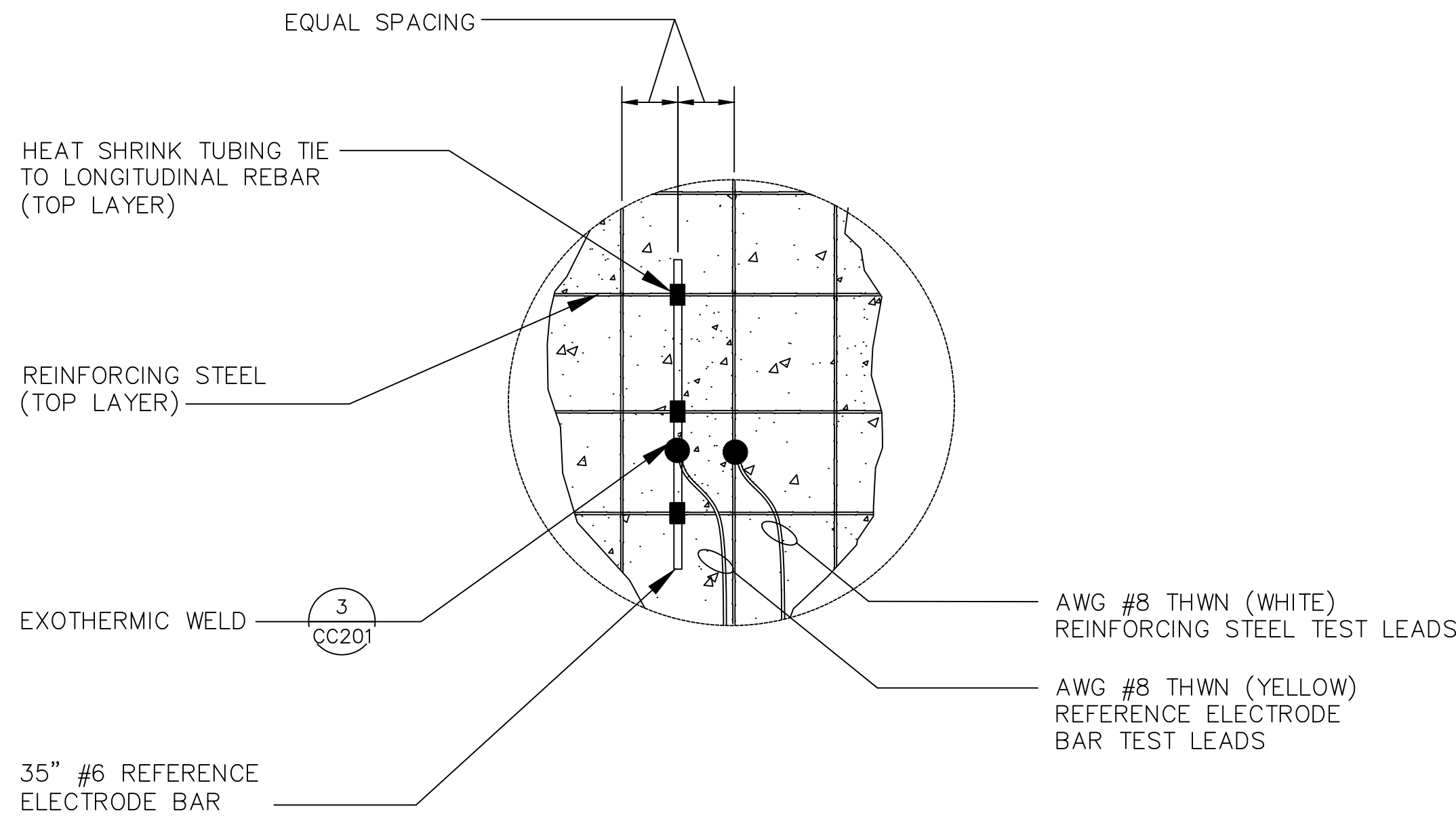


1. ALL WELDS SHALL BE 6" APART AT MINIMUM.
2. GRIND REINFORCING STEEL TO BARE METAL AND CLEAN SURFACE. GROUND AREA SHALL BE LARGE ENOUGH FOR EXOTHERMIC WELD AND SMALL ENOUGH TO BE COMPLETELY COVERED BY WELD CAP.
3. STRIP INSULATION FROM WIRE AND ATTACH SLEEVE.
4. HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR. IGNITE WITH FLINT GUN. REMOVE SLAG FROM CONNECTION WITH CHIPPING HAMMER. TEST WELD WITH 22 OZ HAMMER.

3 EXOTHERMIC WELD DETAIL
- N.T.S.



4 WIRE IDENTIFIER DETAIL
- N.T.S.



NOTE:

1. REFERENCE ELECTRODE BAR SHALL BE ELECTRICALLY ISOLATED FROM REINFORCING STEEL.

5 REFERENCE ELECTRODE BAR DETAIL
- N.T.S.

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