



BART Extension Project Preliminary Engineering Plans and Profiles



APPENDIX C
BART EXTENSION PROJECT PRELIMINARY ENGINEERING PLANS AND PROFILES
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Figure C-1

APPENDIX C
BART EXTENSION PROJECT PRELIMINARY ENGINEERING PLANS AND PROFILES
INDEX OF DRAWINGS

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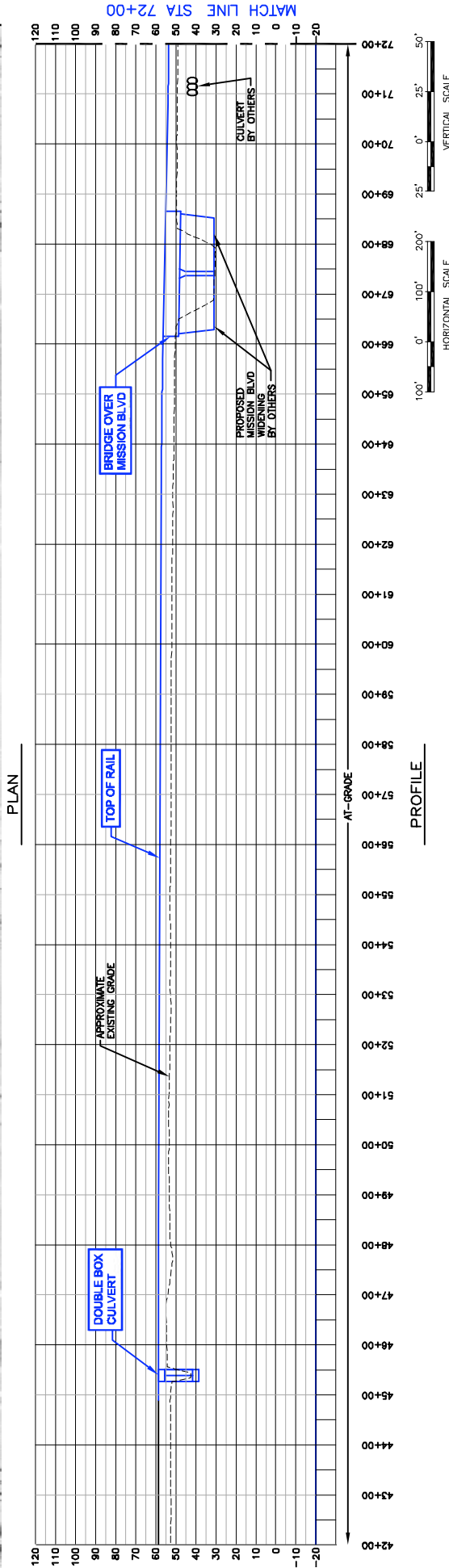
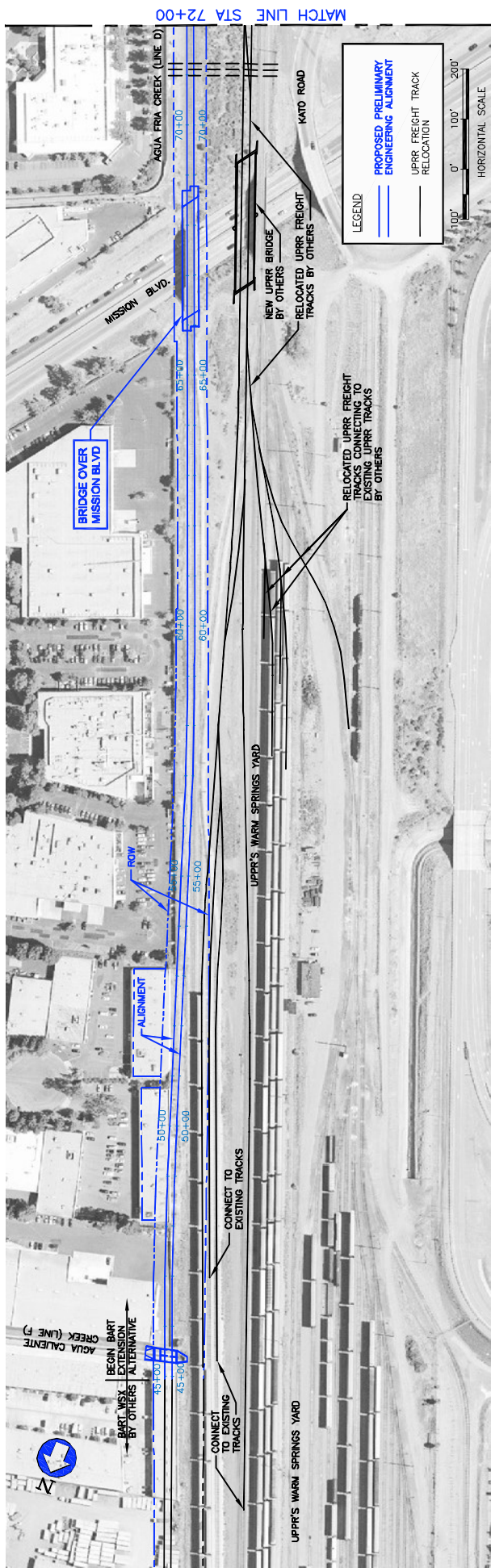
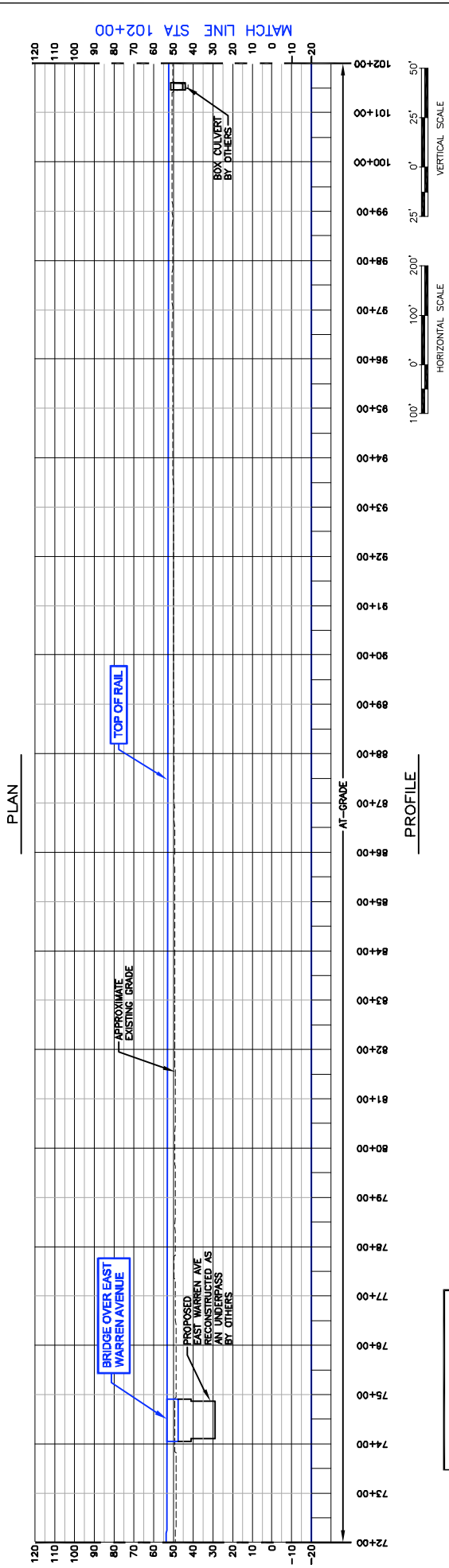
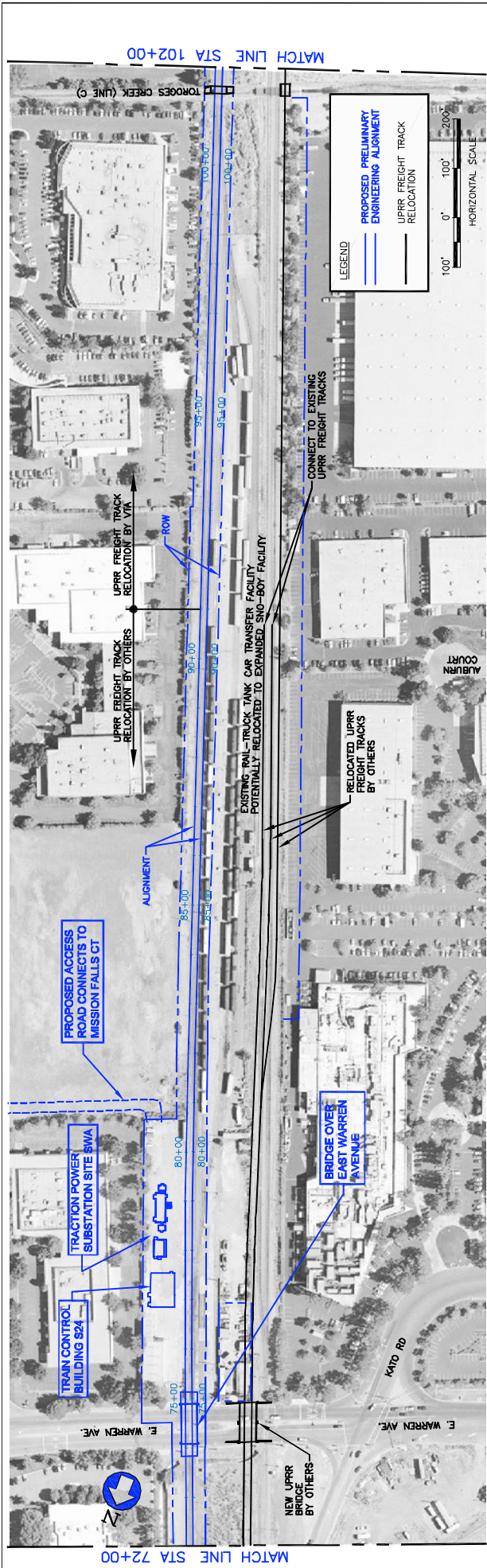


Figure C-3

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 EAST WARREN AVENUE
 AT GRADE OPTION: SHEET 1 OF 2
 PLAN AND PROFILE
 STA 42+00 TO STA 72+00

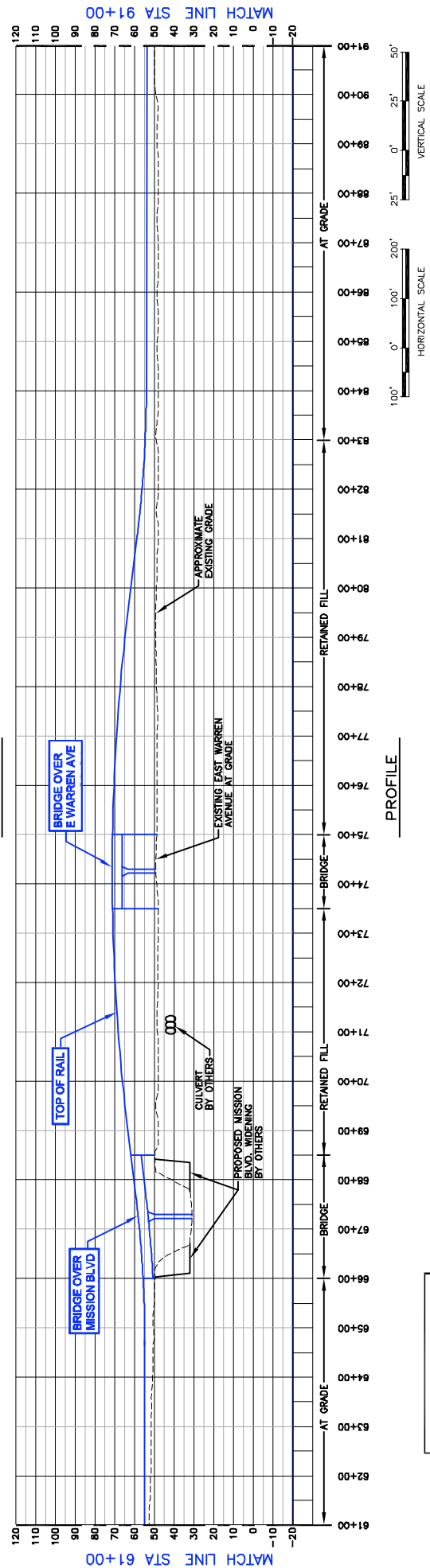
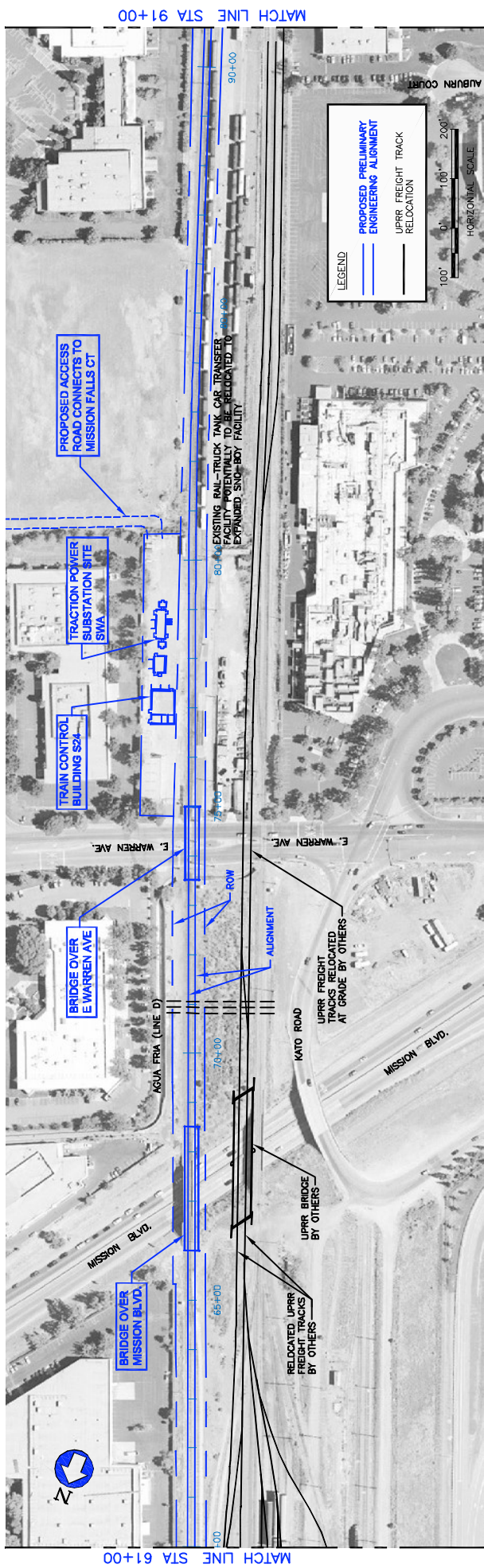
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.



BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 EAST WARREN AVENUE
 AT GRADE OPTION: SHEET 2 OF 2
 PLAN AND PROFILE
 STA 72+00 TO STA 102+00

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

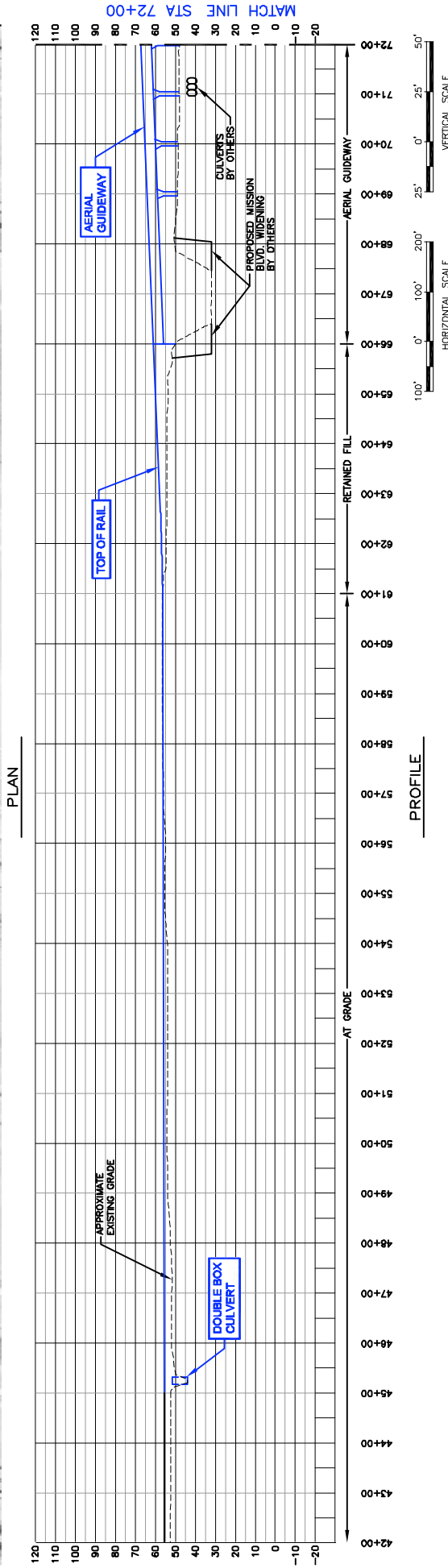
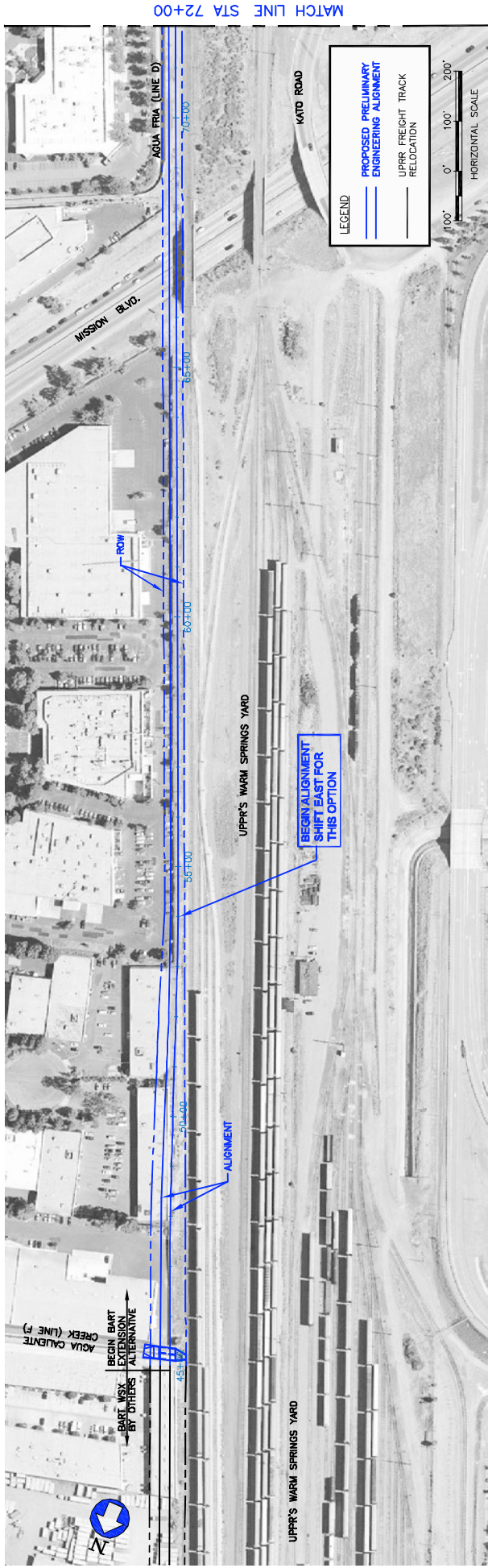
Figure C-4



BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 EAST WARREN AVENUE
 AERIAL OPTION: SHEET 1 OF 1
 PLAN AND PROFILE
 STA 42+00 TO STA 72+00

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

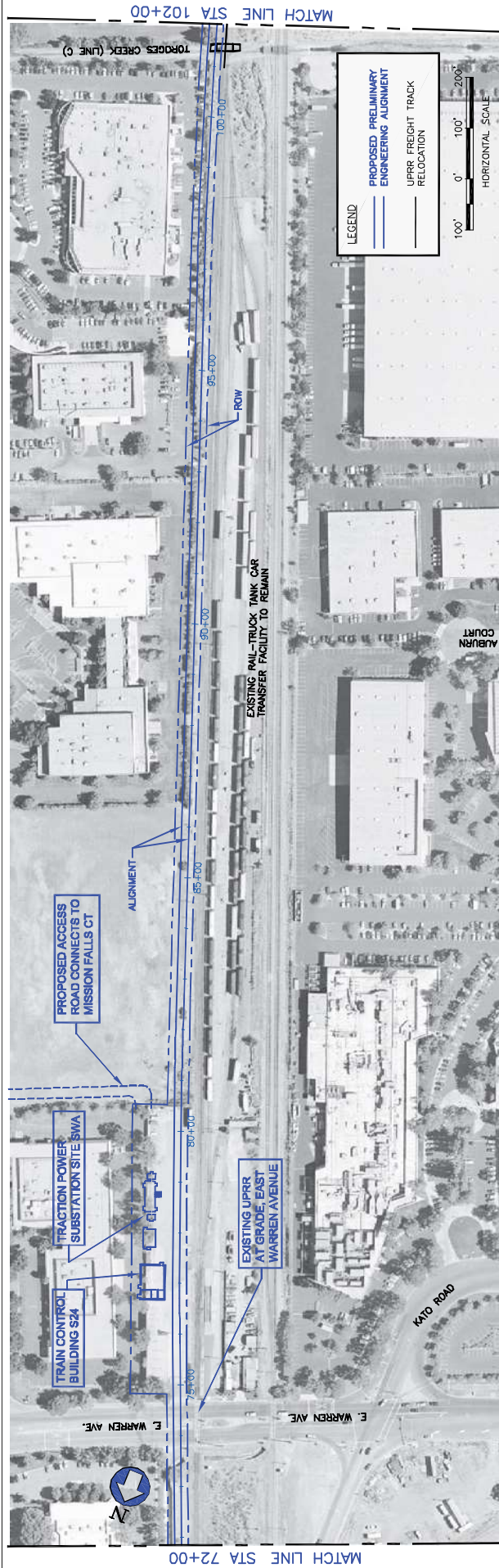
Figure C-5



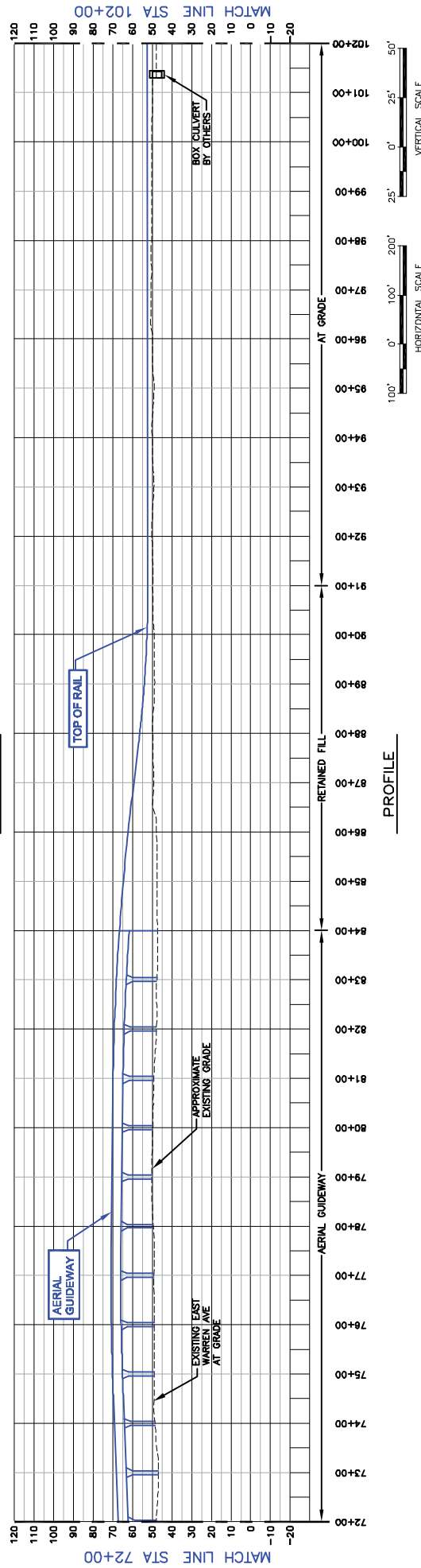
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 EAST WARREN AVENUE
 AERIAL EAST OPTION: SHEET 1 OF 3
 PLAN AND PROFILE
 STA 42+00 TO STA 72+00

Figure C-6



PLAN

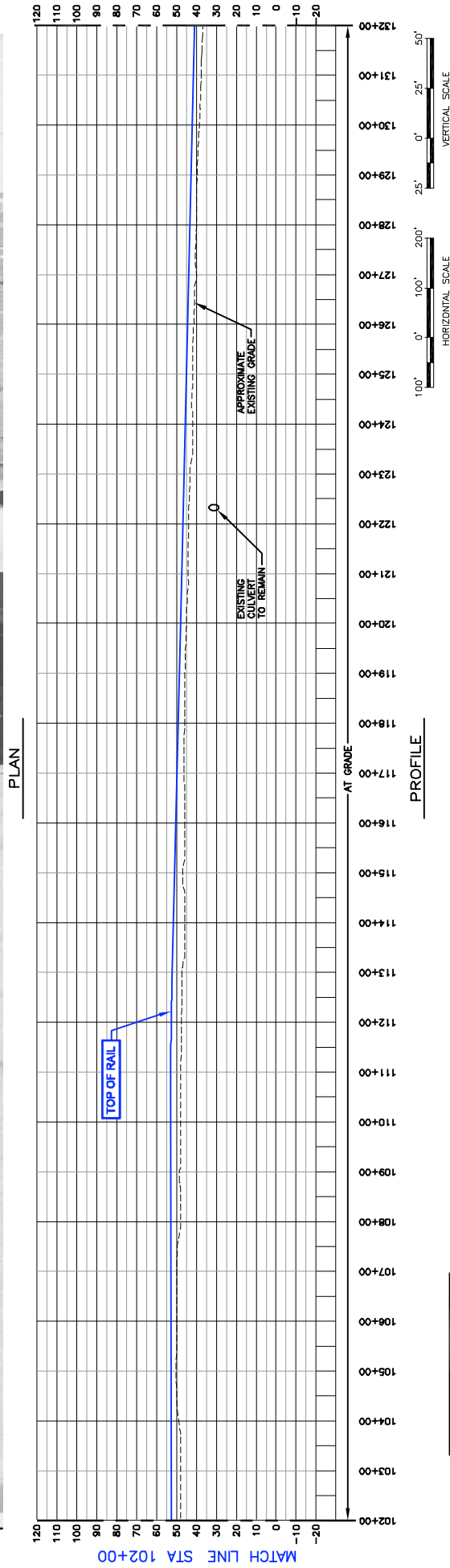
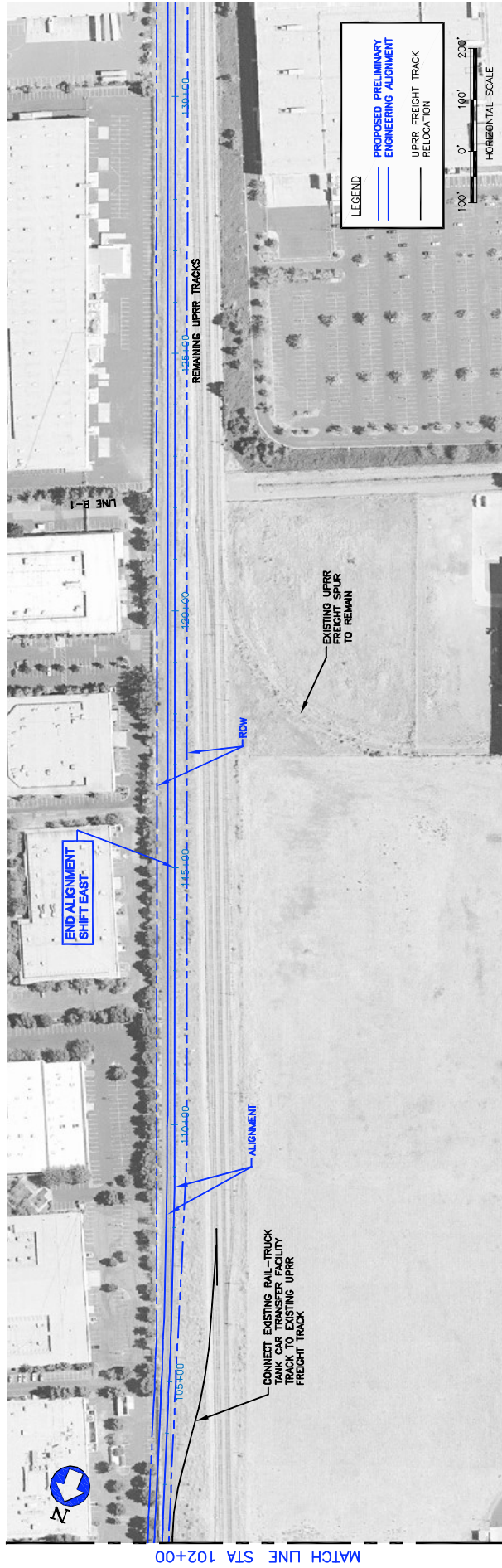


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

Figure C-7

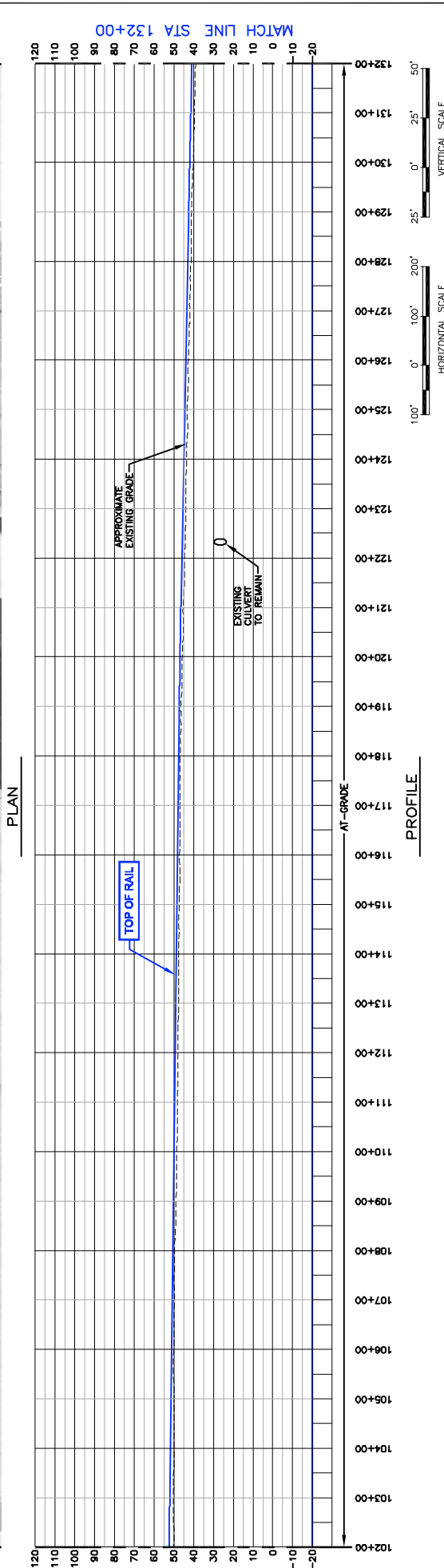
BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 EAST WARREN AVENUE
 AERIAL EAST OPTION: SHEET 2 OF 3
 PLAN AND PROFILE
 STA 72+00 TO STA 102+00



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

Figure C-8

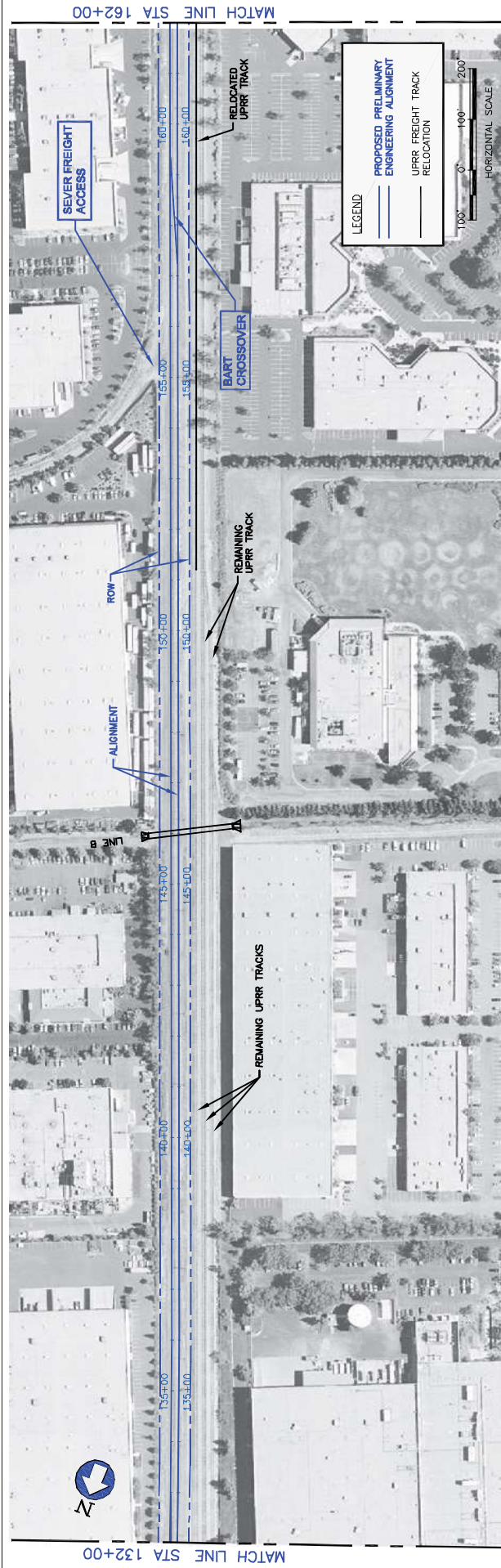
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 PROPOSED P.E. ALIGNMENT
 EAST WARREN AVENUE
 AERIAL EAST OPTION: SHEET 3 OF 3
 PLAN AND PROFILE
 STA 102+00 TO STA 132+00



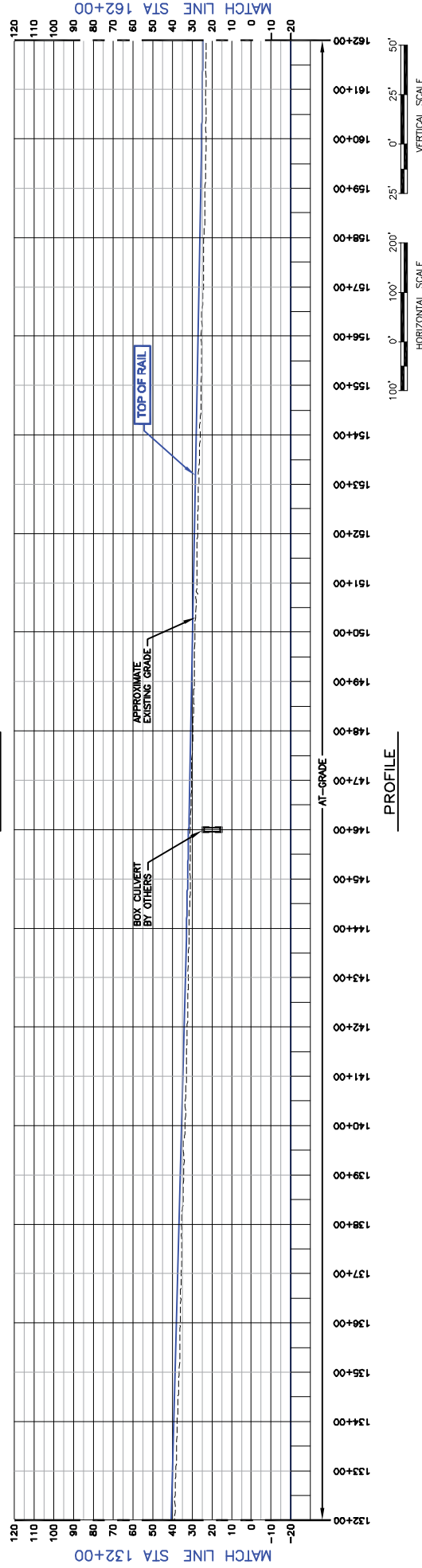
BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
PLAN AND PROFILE
STA 102+00 TO STA 132+00

Figure C-9

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

Figure C-10

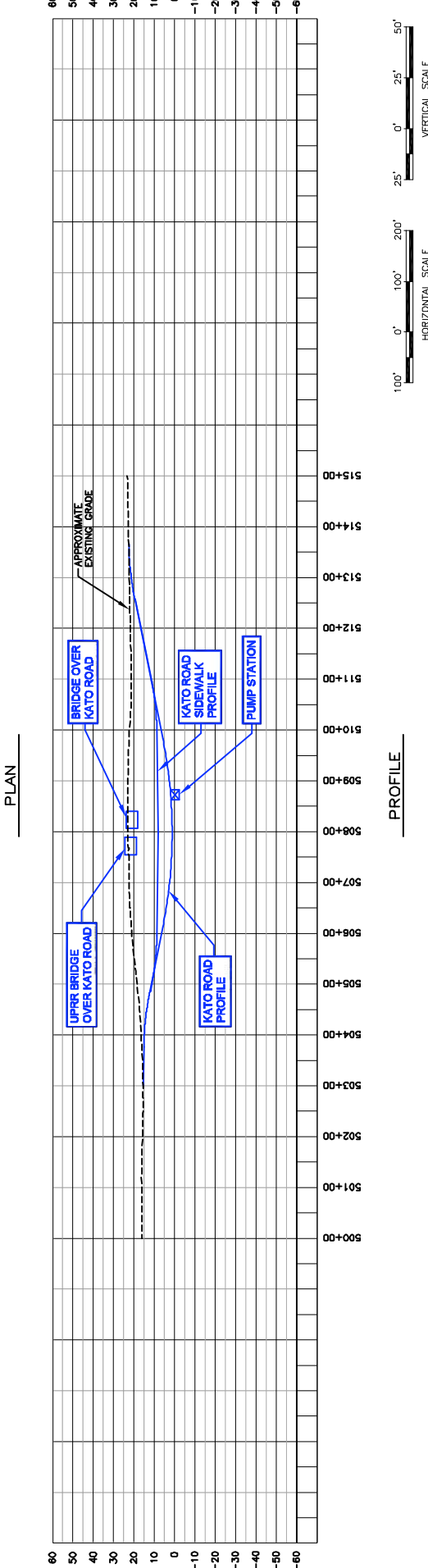
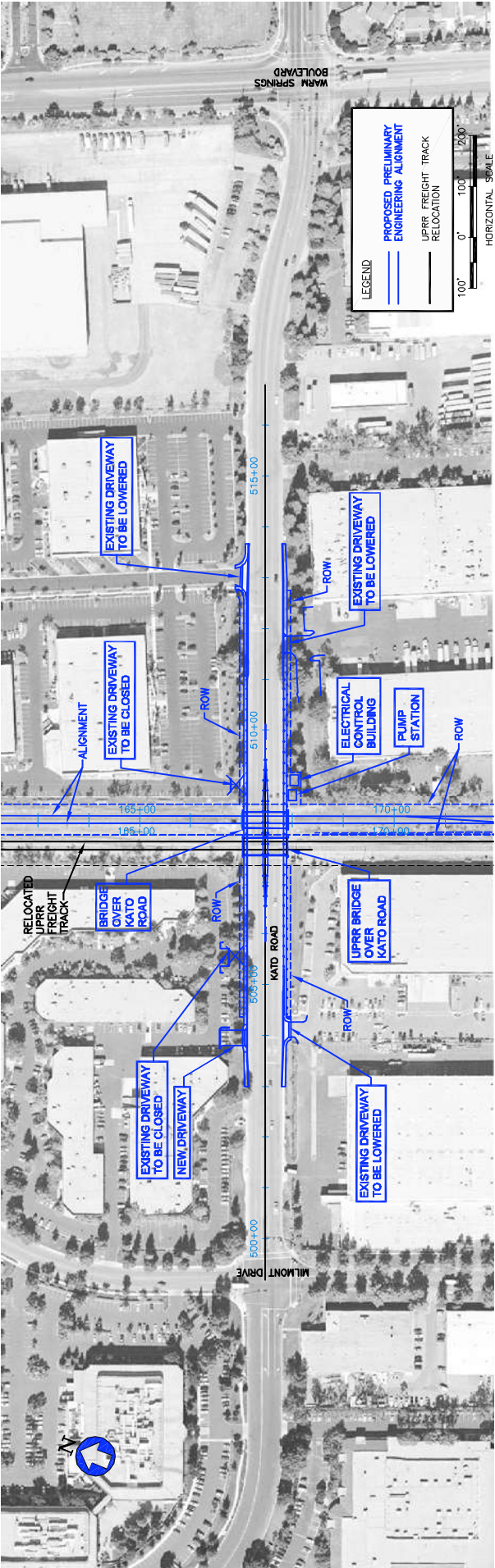
BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
PLAN AND PROFILE
STA 132+00 TO STA 162+00

MATCH LINE STA 162+00

MATCH LINE STA 132+00

MATCH LINE STA 132+00

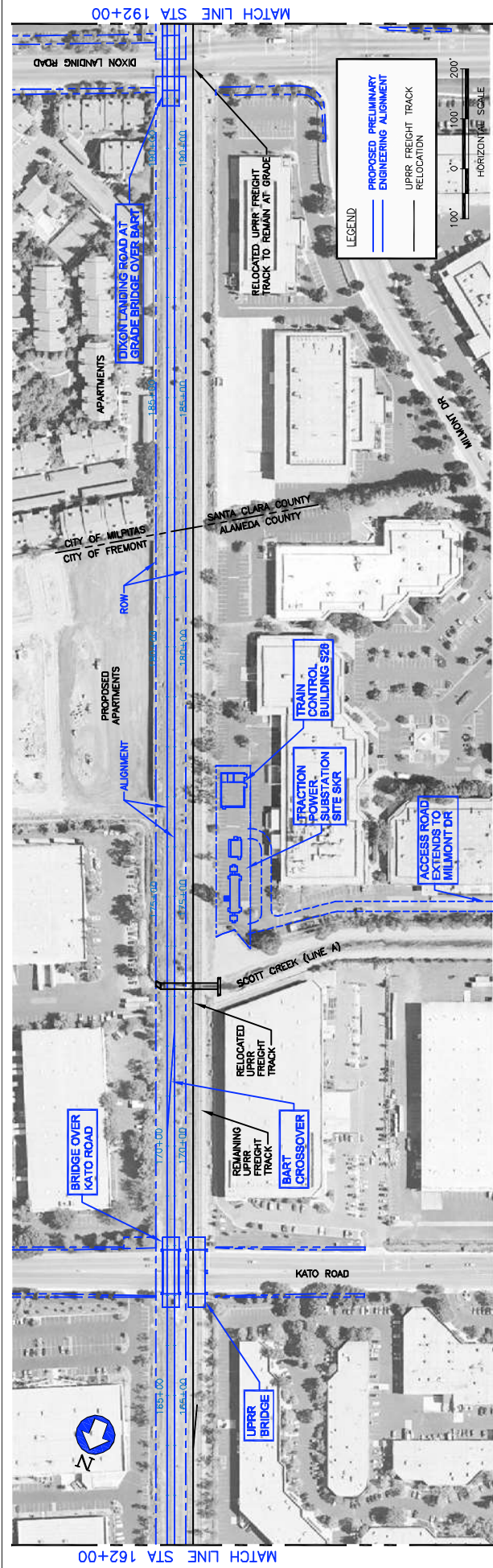
MATCH LINE STA 162+00



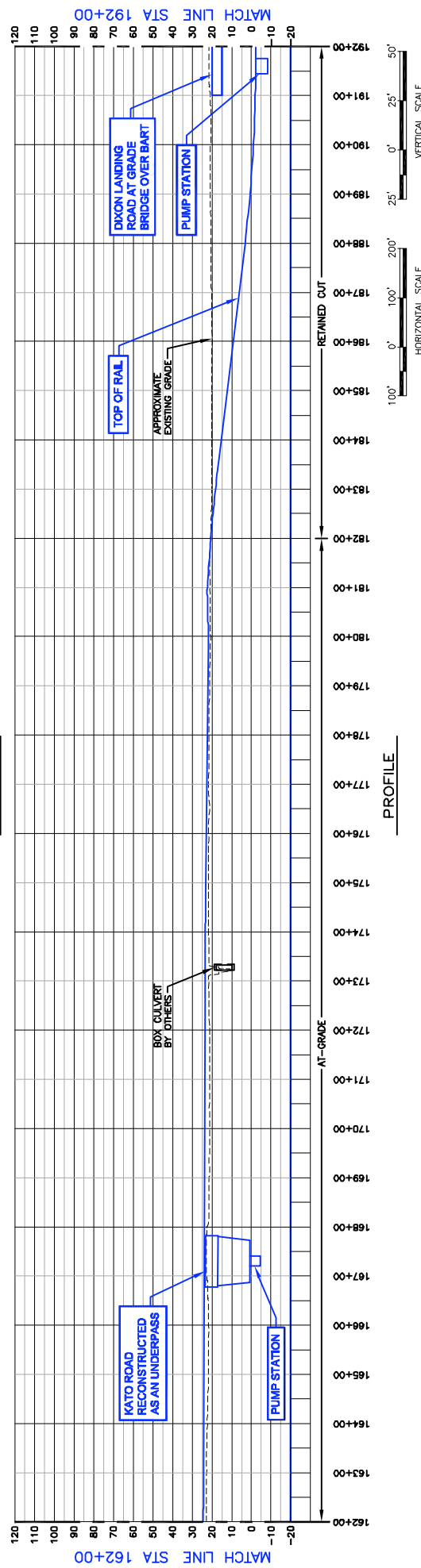
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 KATO ROAD
 LOWERED ROADWAY - SHEET 1 OF 1
 PLAN AND PROFILE
 STA 500+00 TO STA 515+00

Figure C-11



PLAN

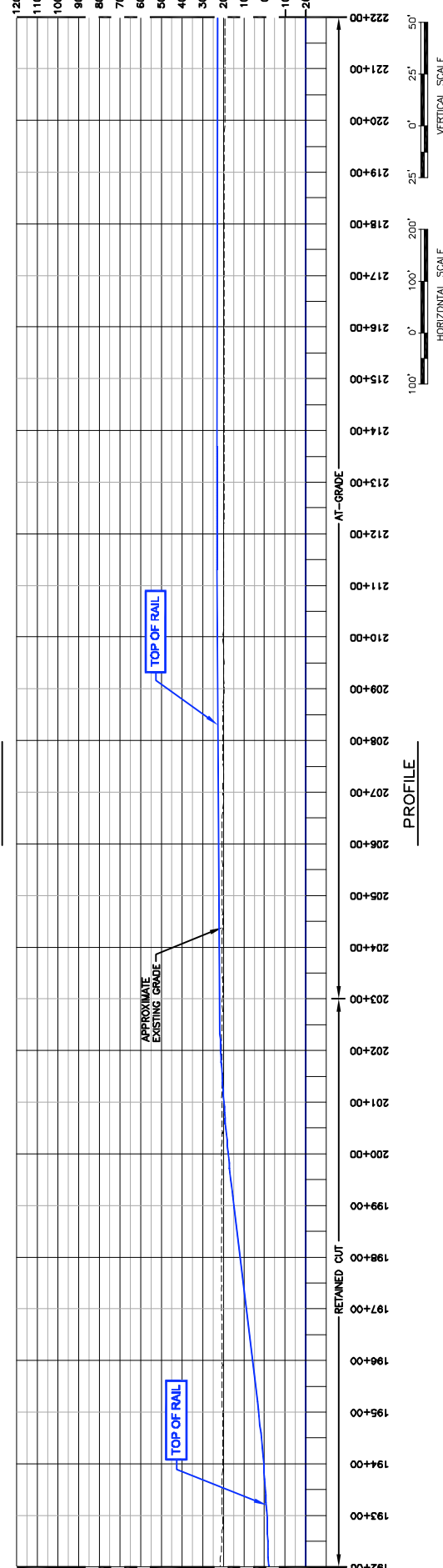
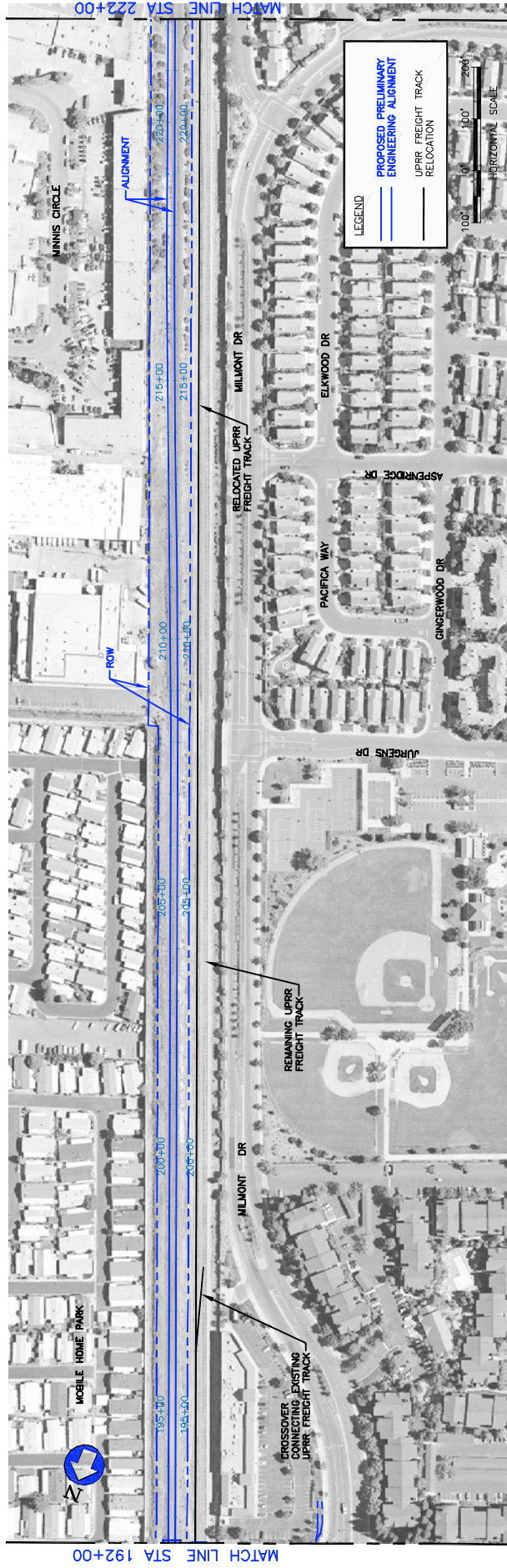


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 DIXON LANDING ROAD
 RETAINED CUT OPTION; SHEET 1 OF 2
 PLAN AND PROFILE
 STA 162+00 TO STA 192+00

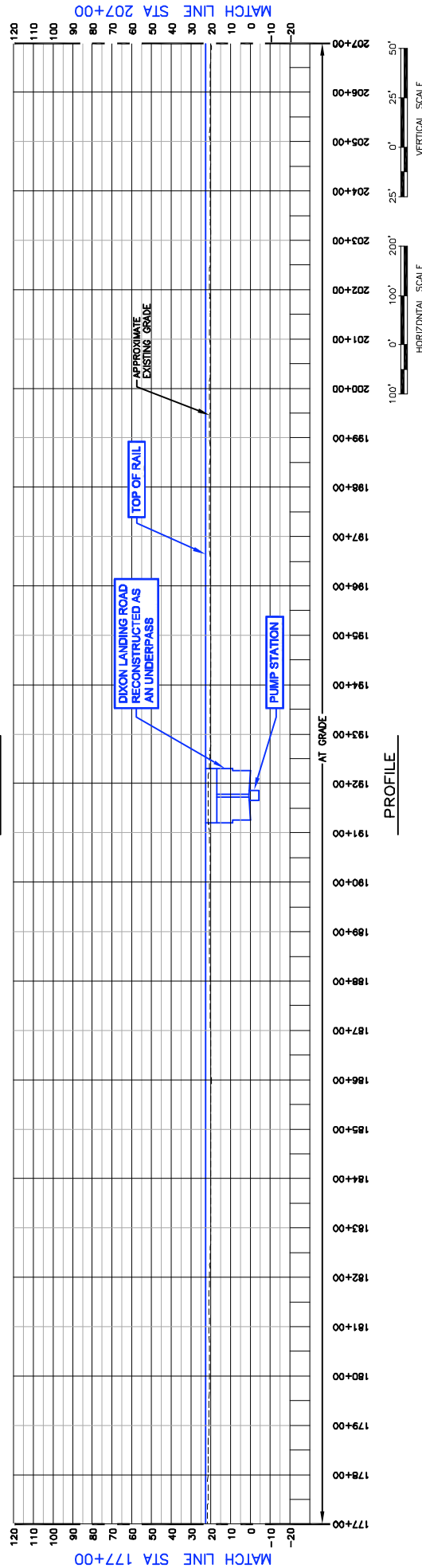
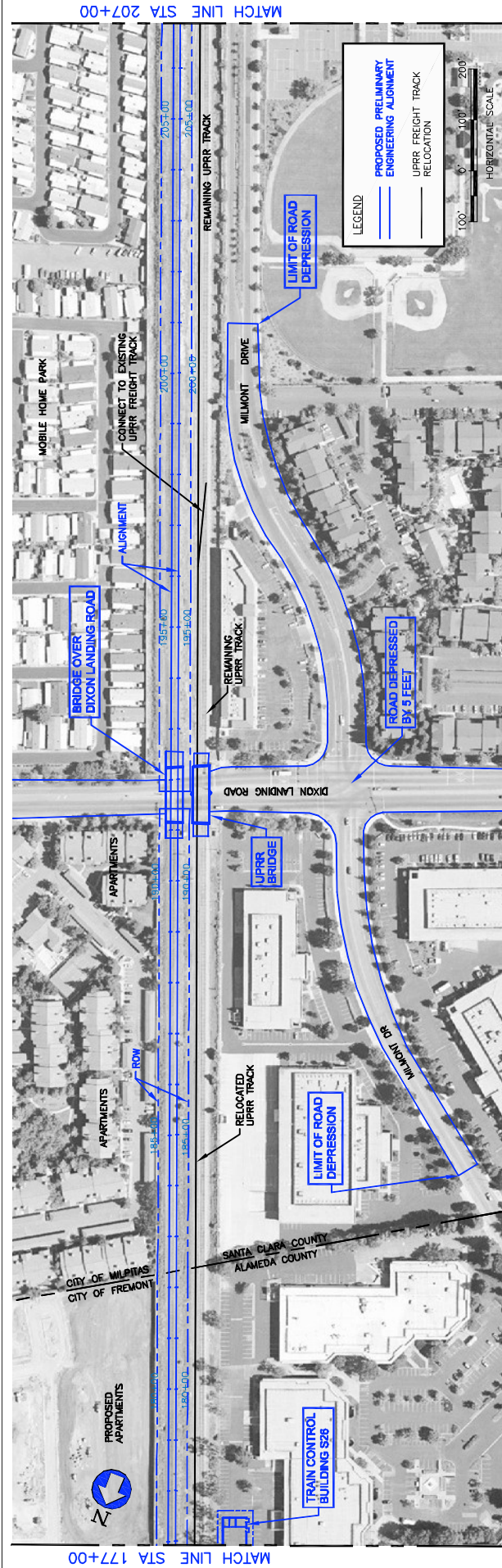
Figure C-12



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 DIXON LANDING ROAD
 RETAINED CUT OPTION; SHEET 2 OF 2
 PLAN AND PROFILE
 STA 192+00 TO STA 222+00

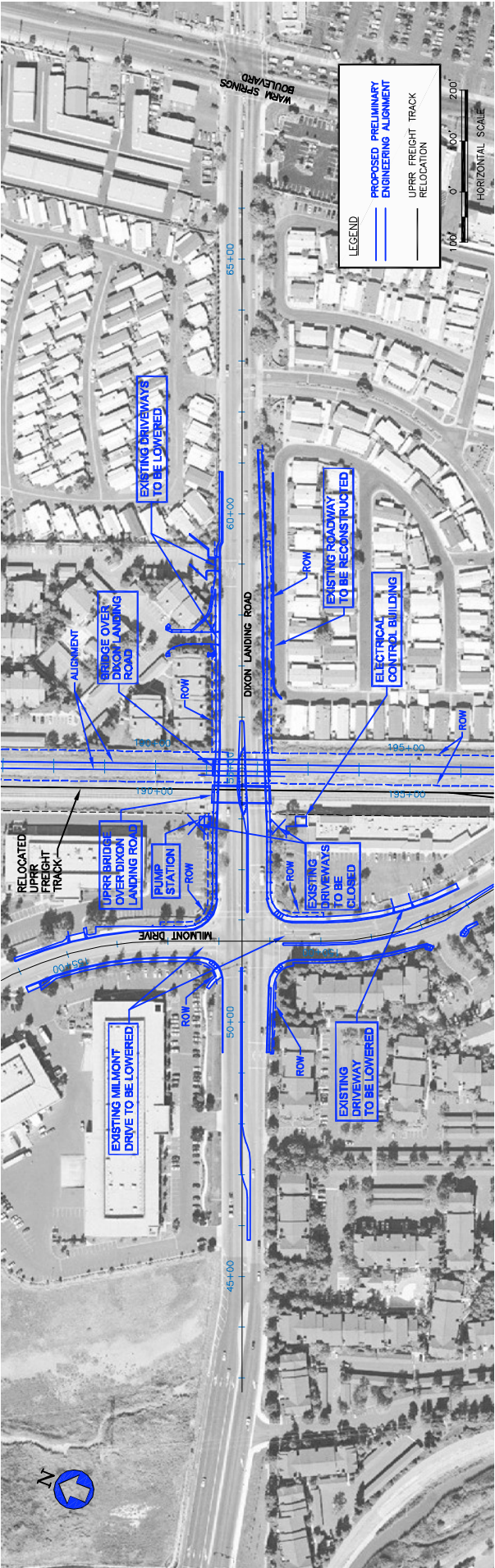
Figure C-13



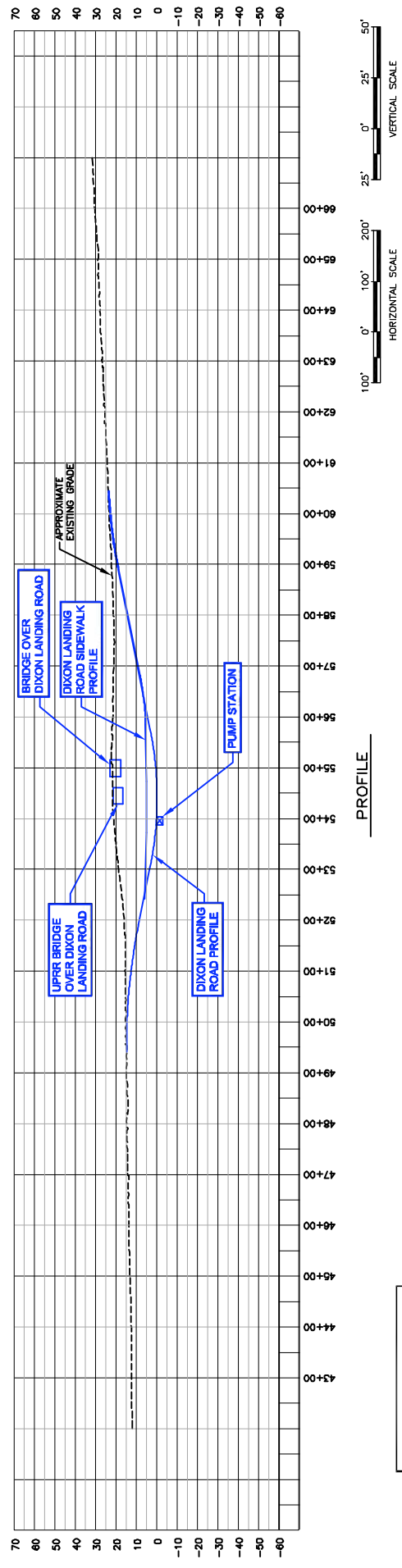
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

Figure C-14

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 DIXON LANDING ROAD
 BART AT GRADE OPTION: SHEET 1 OF 1
 PLAN AND PROFILE
 STA 177+00 TO STA 207+00



PLAN

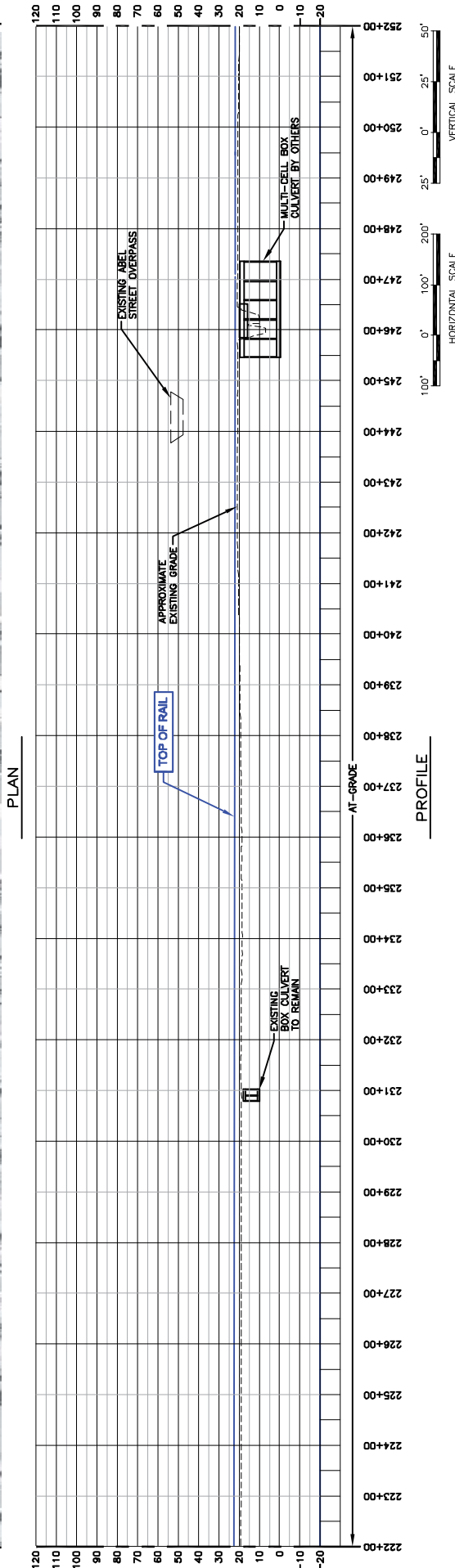
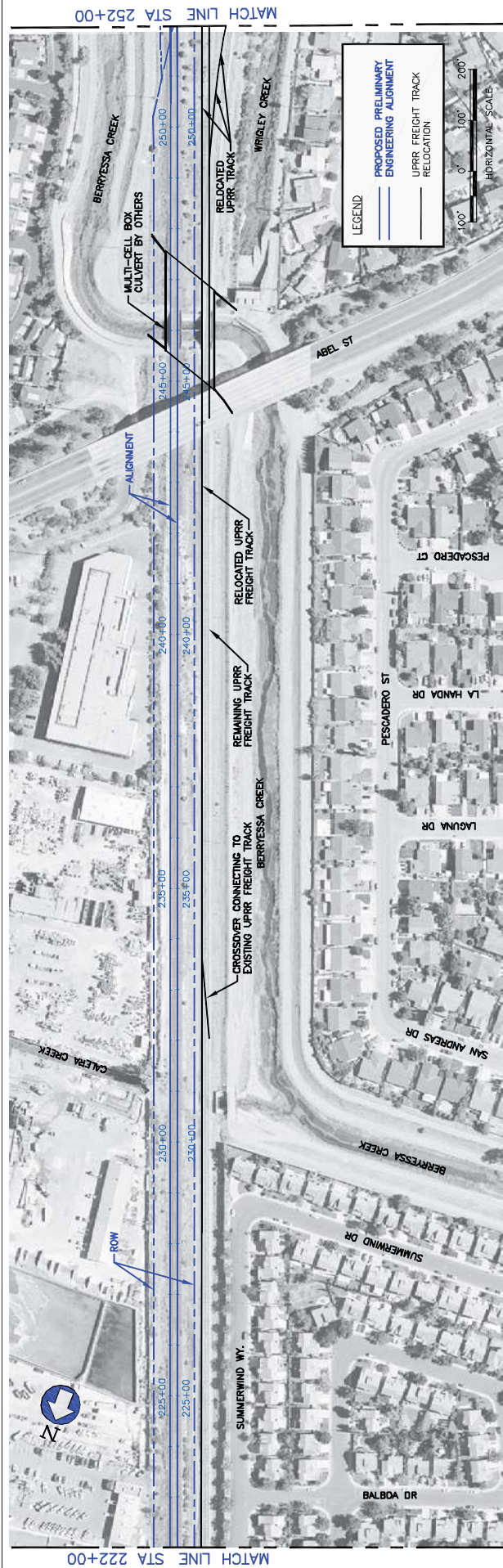


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 DIXON LANDING ROAD - BART AT-GRADE OPTION
 LOWERED ROADWAY - SHEET 1 OF 1
 PLAN AND PROFILE
 STA 43+00 TO STA 68+00

Figure C-15

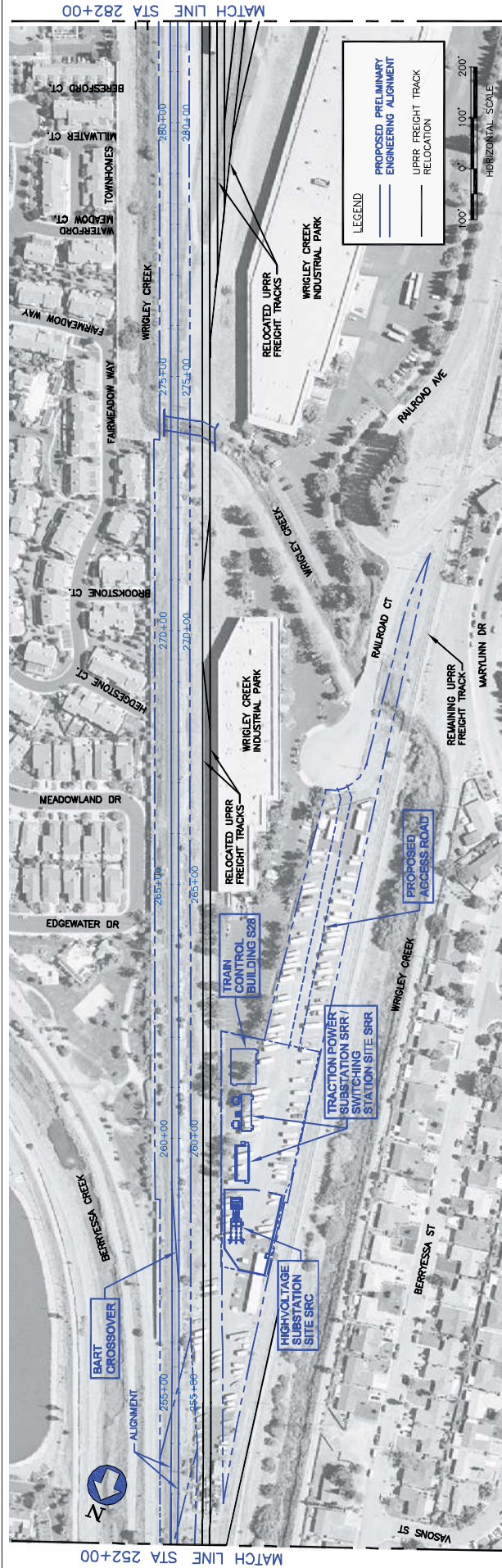


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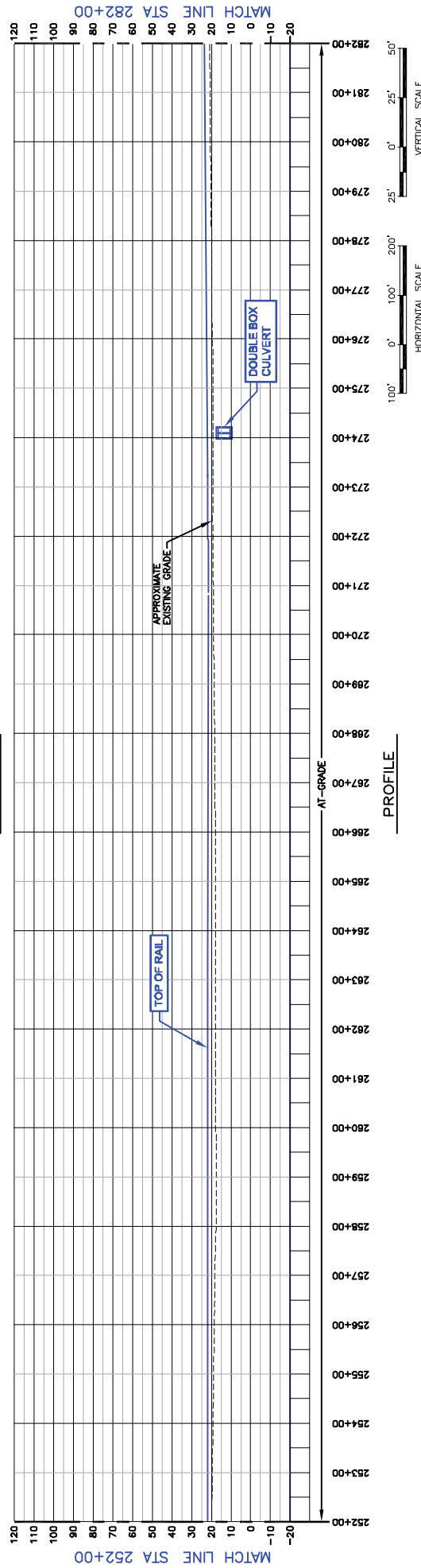
BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT

PLAN AND PROFILE
STA 222+00 TO STA 252+00

Figure C-16



PLAN



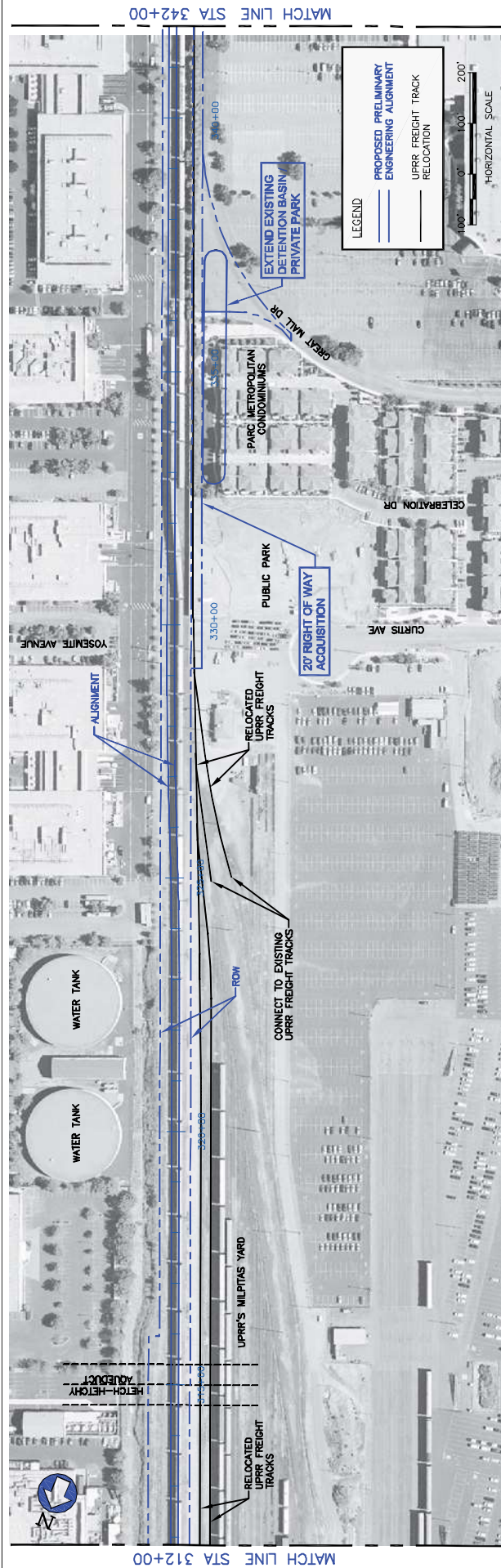
PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

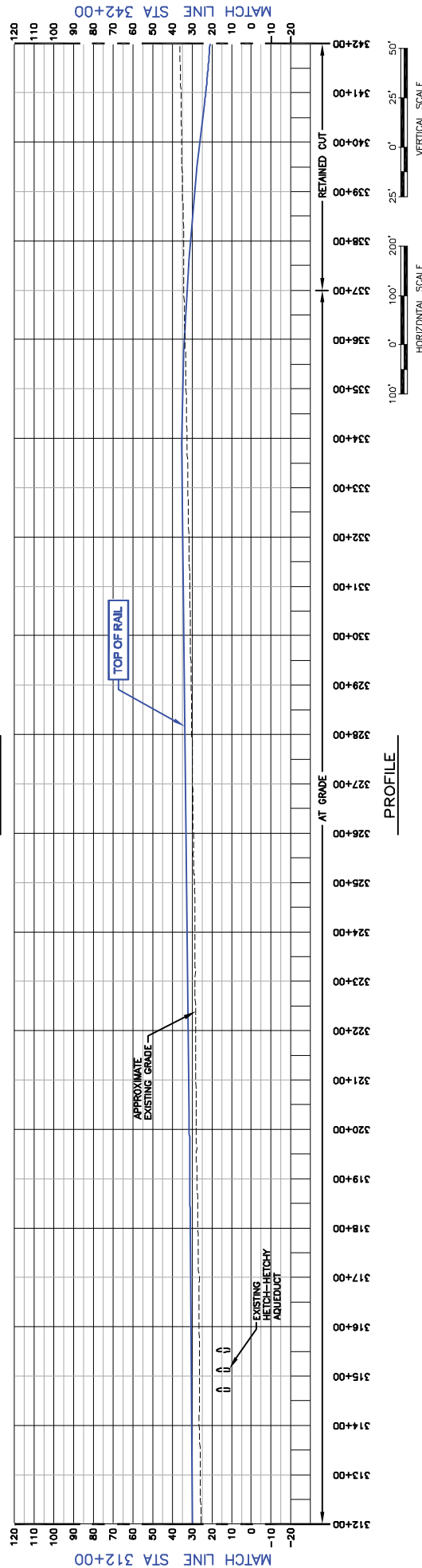
BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT

Figure C-17

PLAN AND PROFILE
STA 252+00 TO STA 282+00



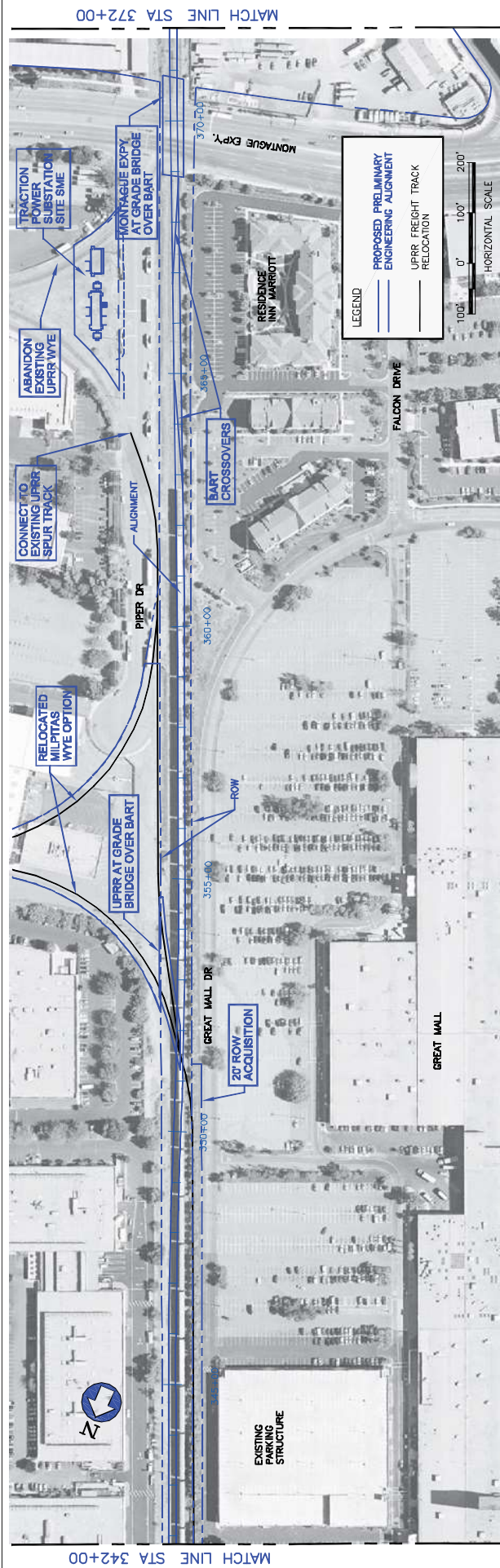
PLAN



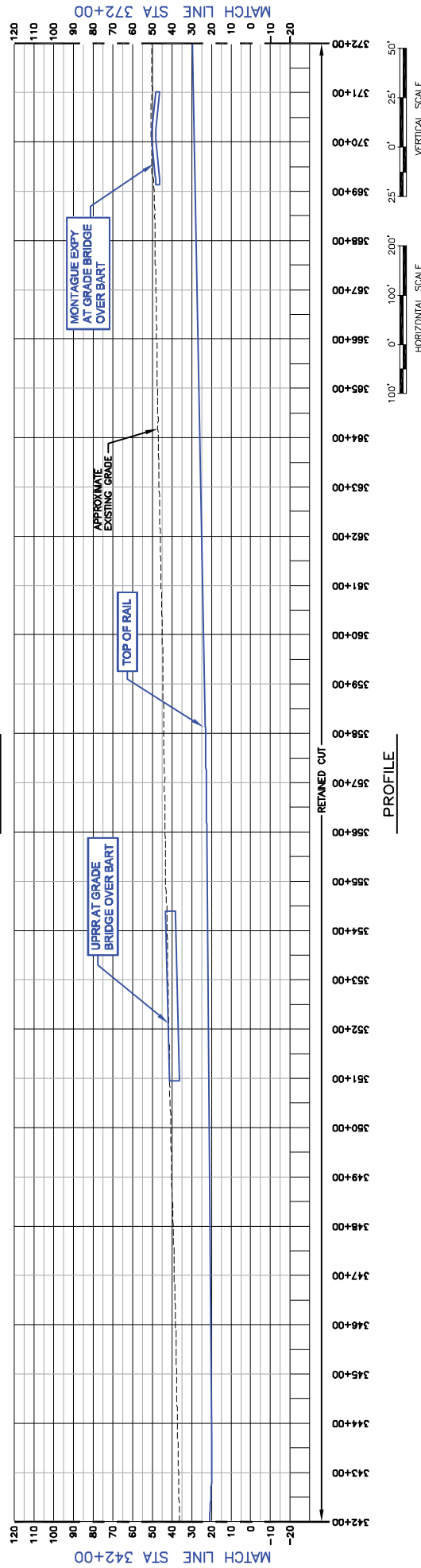
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE / CAPITOL STATION
 RETAINED CUT LONG OPTION: SHEET 1 OF 4
 PLAN AND PROFILE
 STA 72+00 TO STA 102+00

Figure C-19



PLAN

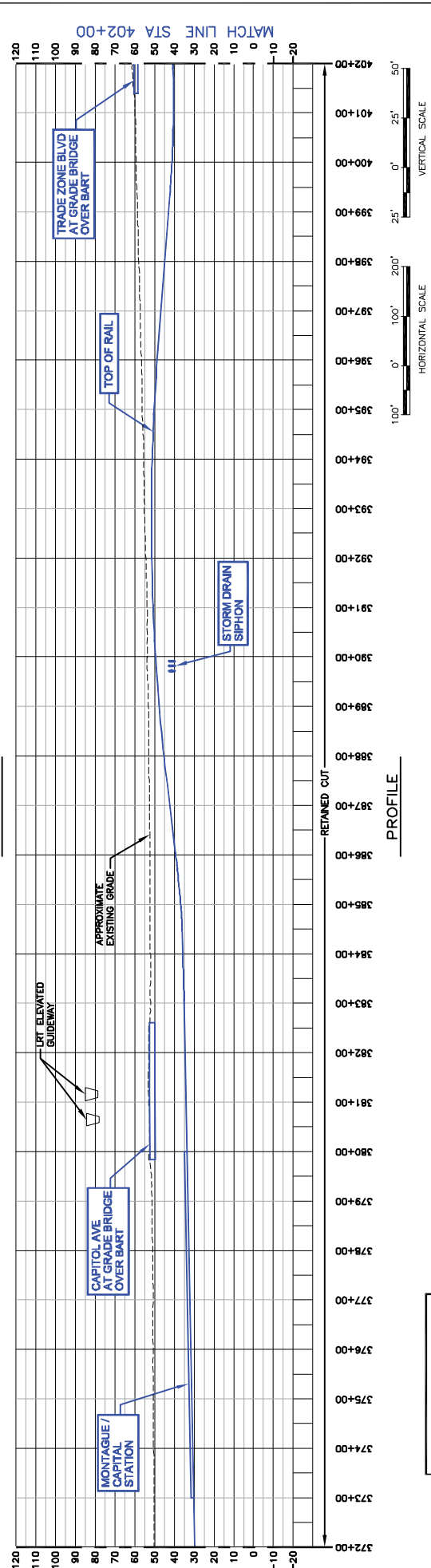
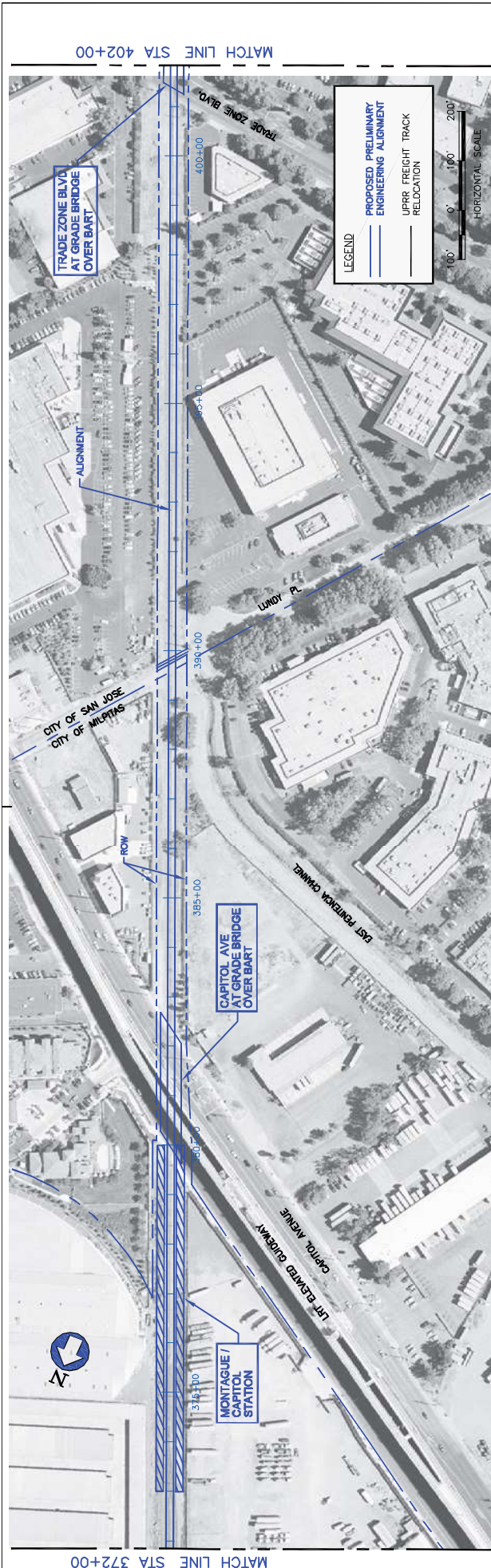


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE / CAPITOL STATION
 RETAINED CUT LONG OPTION: SHEET 2 OF 4
 PLAN AND PROFILE
 STA 72+00 TO STA 102+00

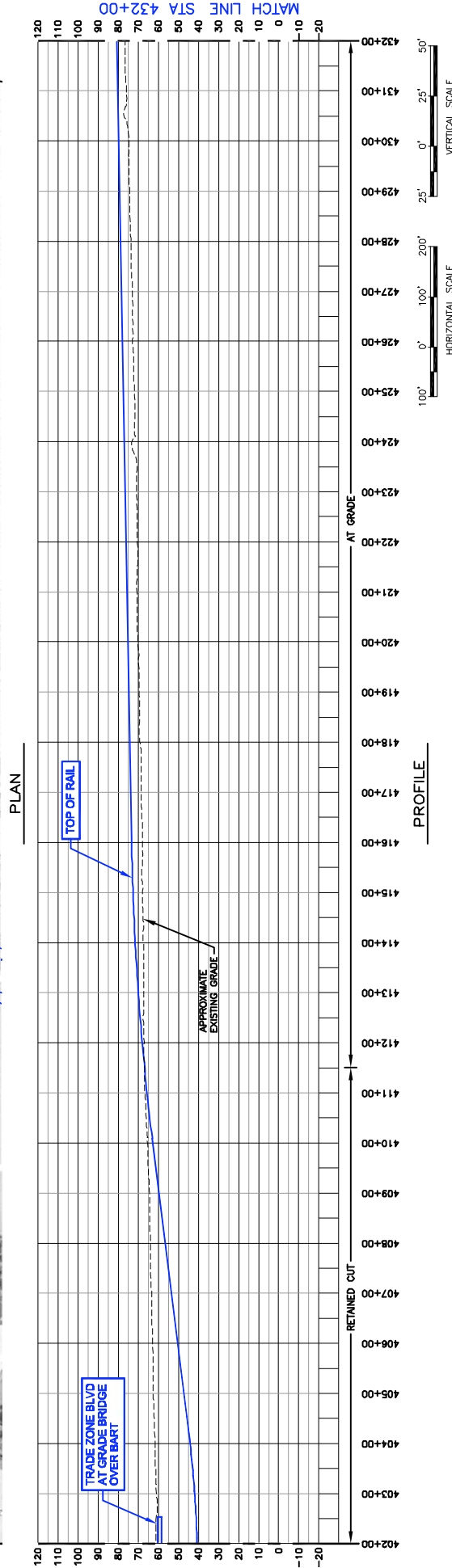
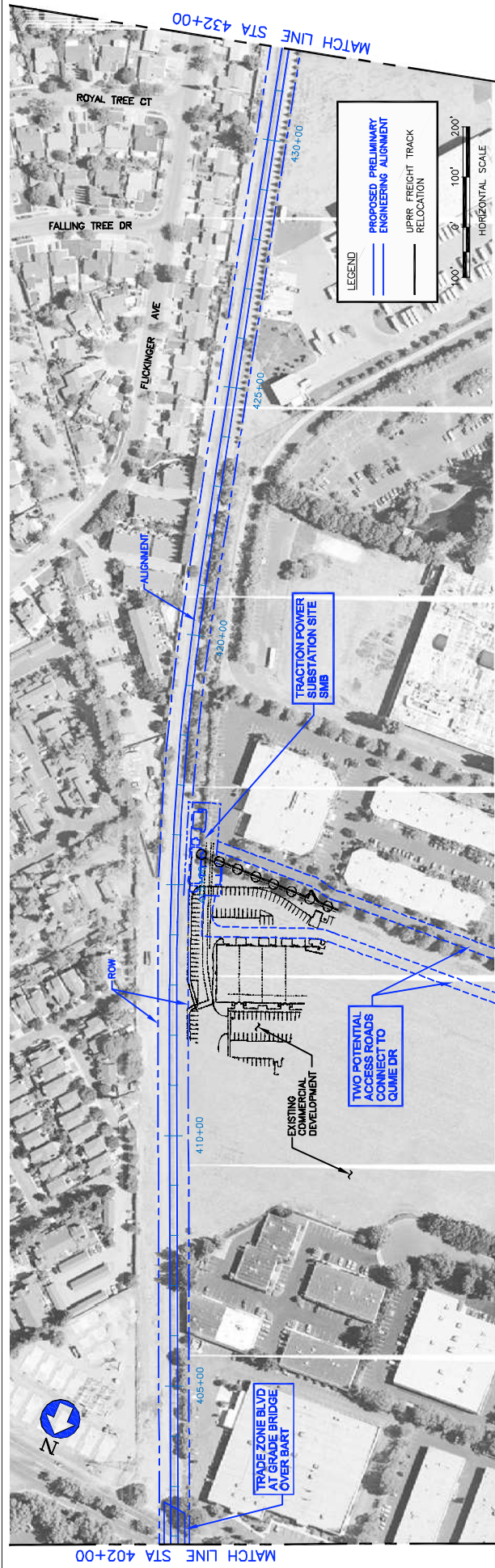
Figure C-20



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE / CAPITOL STATION
 RETAINED CUT LONG OPTION: SHEET 3 OF 4
 PLAN AND PROFILE
 STA 72+00 TO STA 102+00

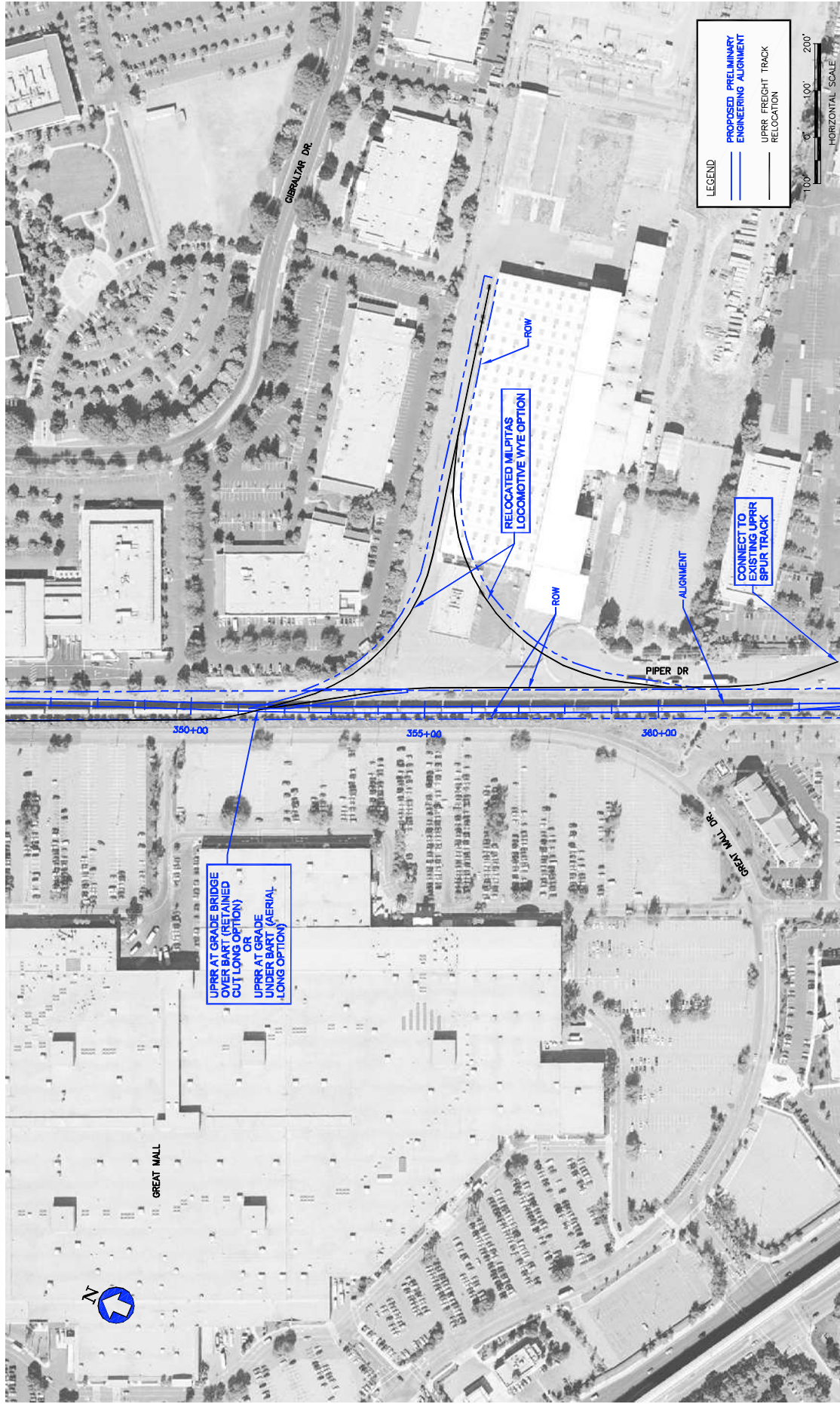
Figure C-21



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE / CAPITOL STATION
 RETAINED CUT LONG OPTION: SHEET 4 OF 4
 PLAN AND PROFILE
 STA 72+00 TO STA 102+00

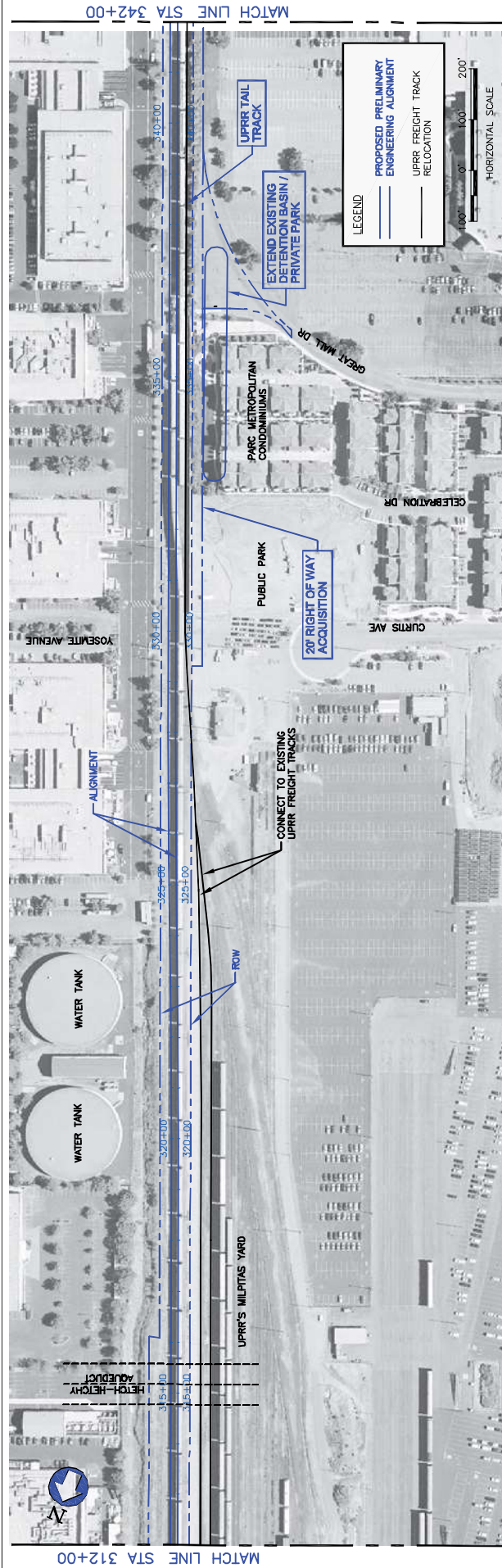
Figure C-22



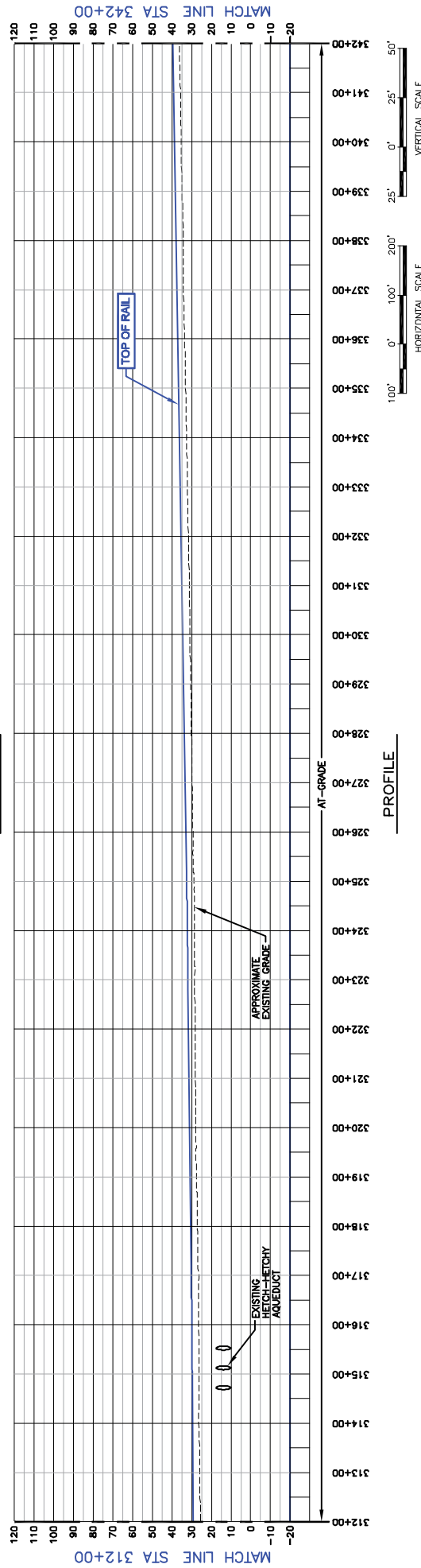
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 RELOCATED
 MILPITAS WYE OPTION: SHEET 1 OF 1
 PLAN

Figure C-23



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

APPENDIX
Figure C-24

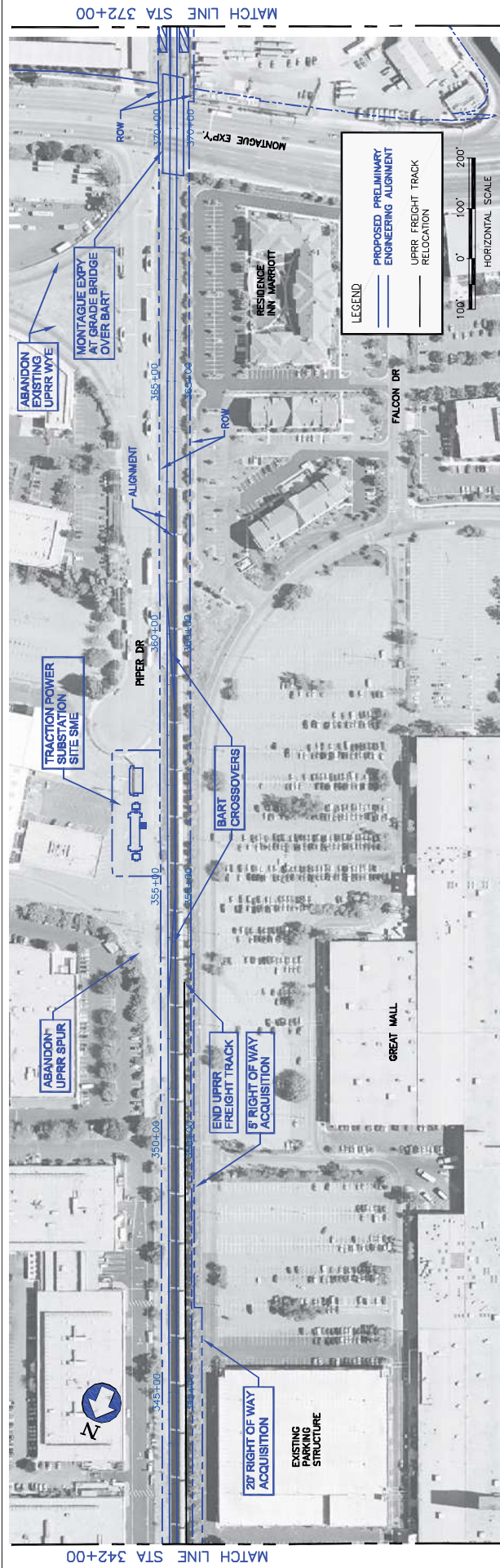
BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
NORTH OF MONTAGUE/CAPITOL STATION
RETAINED CUT SHORT OPTION: SHEET 1 OF 4
PLAN AND PROFILE
STA 312+00 TO STA 342+00

MATCH LINE STA 312+00

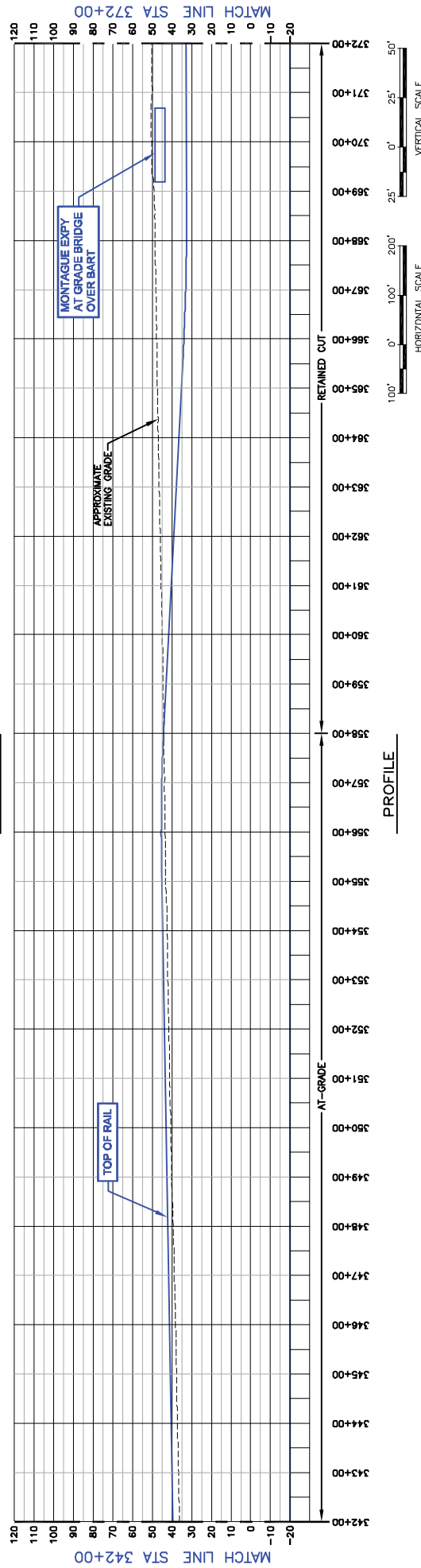
MATCH LINE STA 342+00

MATCH LINE STA 312+00

MATCH LINE STA 342+00



PLAN

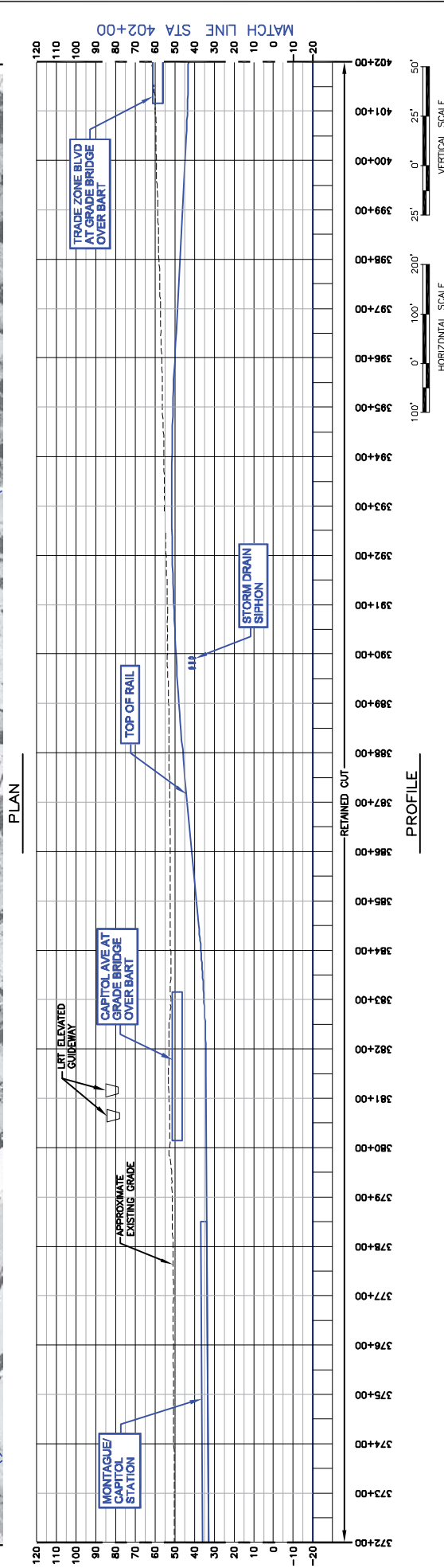
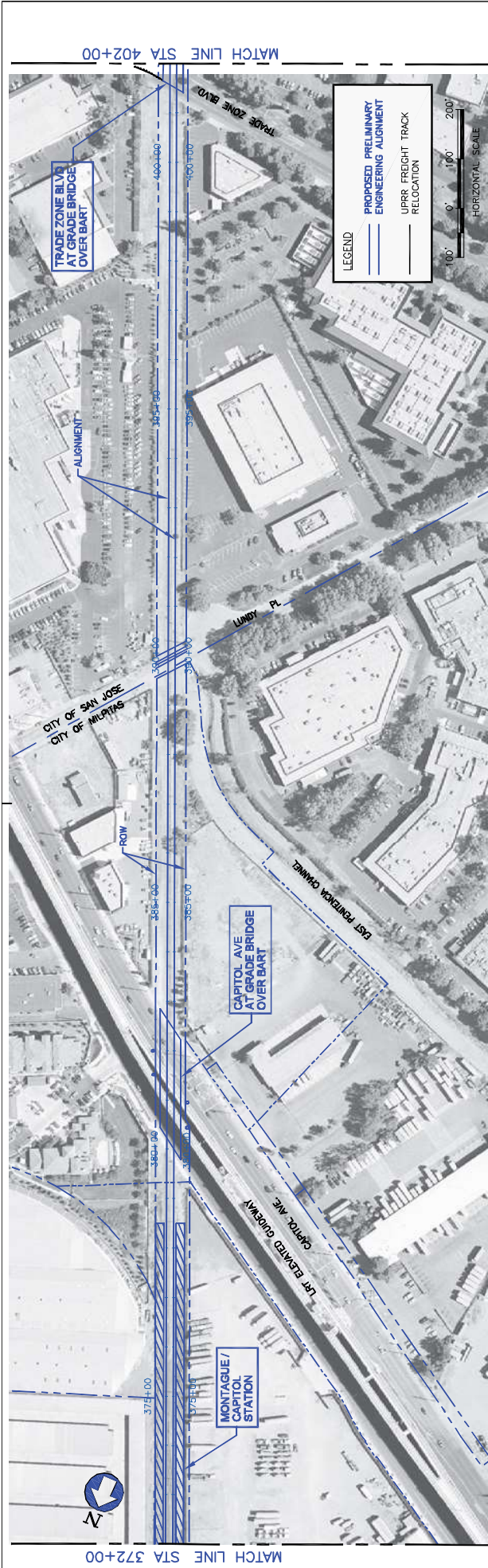


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE/CAPITOL STATION
 RETAINED CUT SHORT OPTION: SHEET 2 OF 4
 PLAN AND PROFILE
 STA 342+00 TO STA 372+00

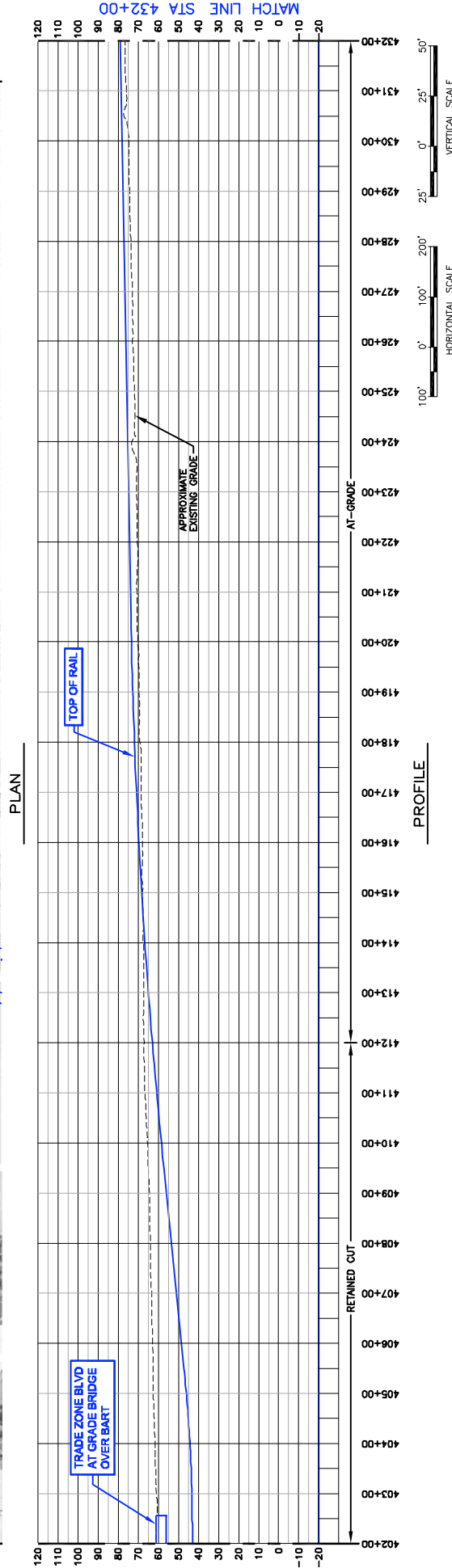
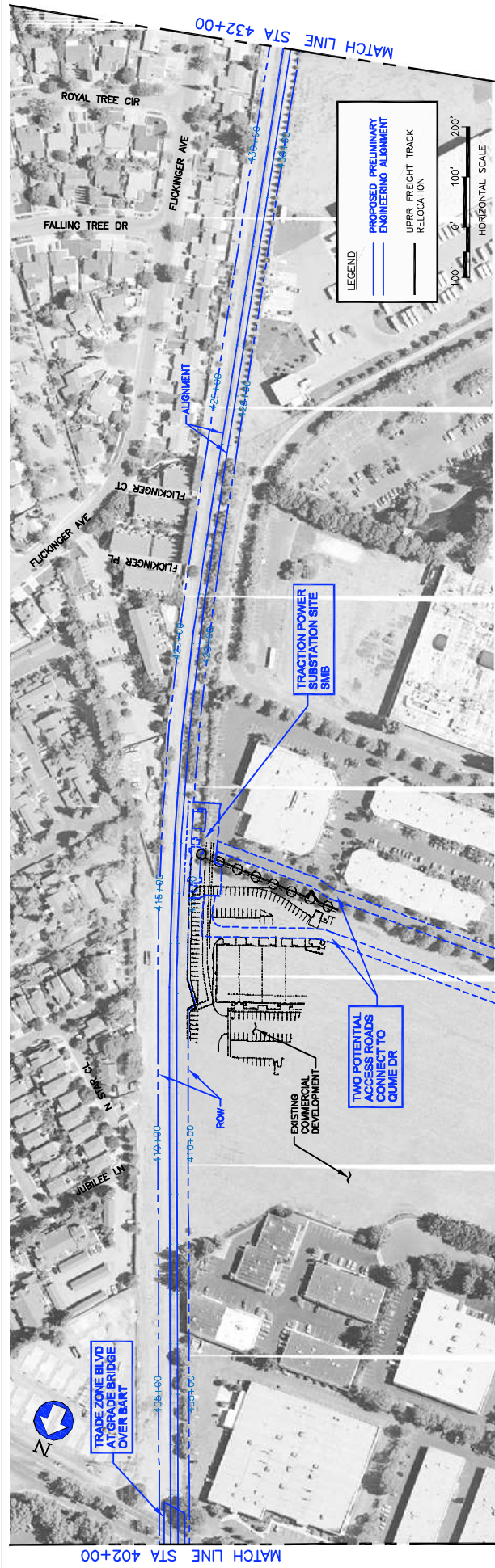
Figure C-25



BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE/CAPITOL STATION
 RETAINED CUT SHORT OPTION: SHEET 3 OF 4
 PLAN AND PROFILE
 STA 372+00 TO STA 402+00

Figure C-26

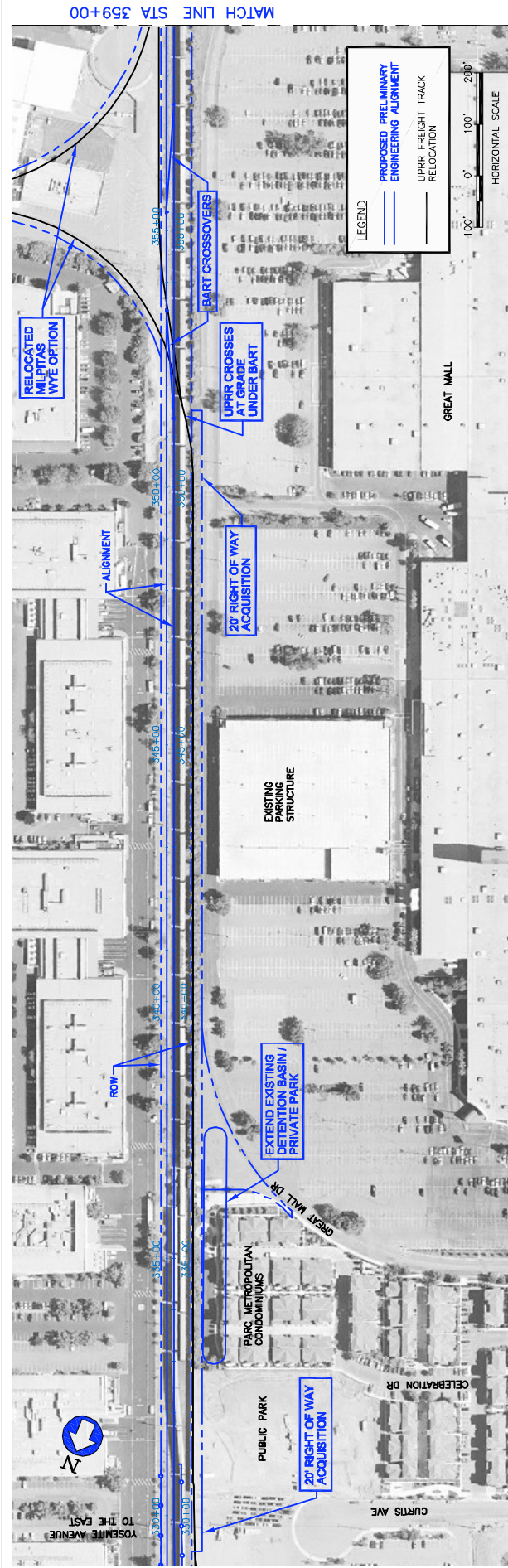
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.



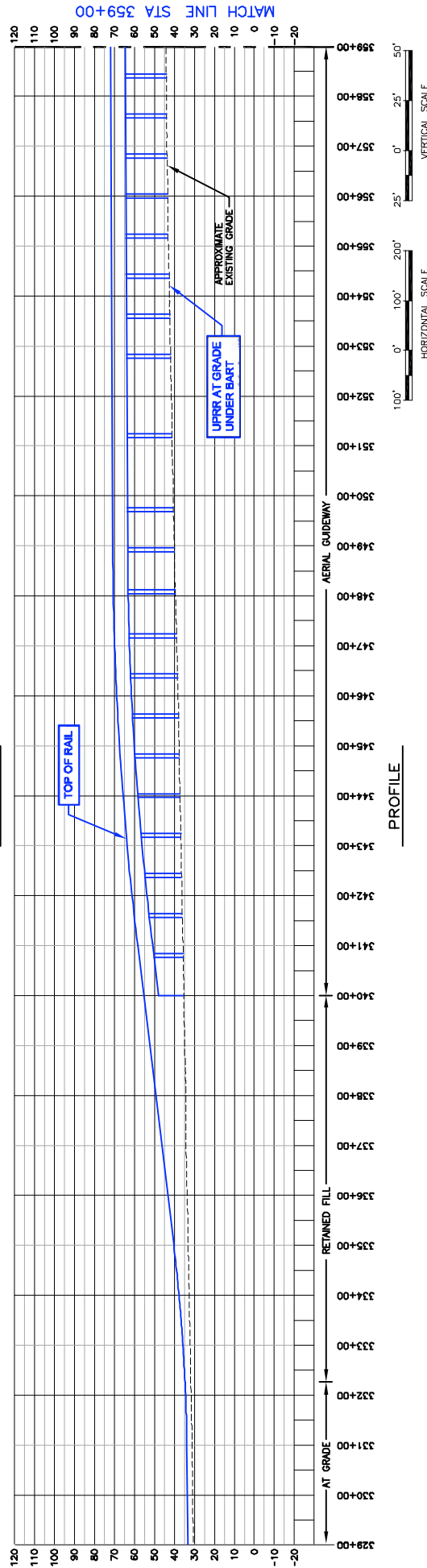
BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE/CAPITOL STATION
 RETAINED CUT SHORT OPTION: SHEET 4 OF 4
 PLAN AND PROFILE
 STA 402+00 TO STA 432+00

Figure C-27

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.



PLAN

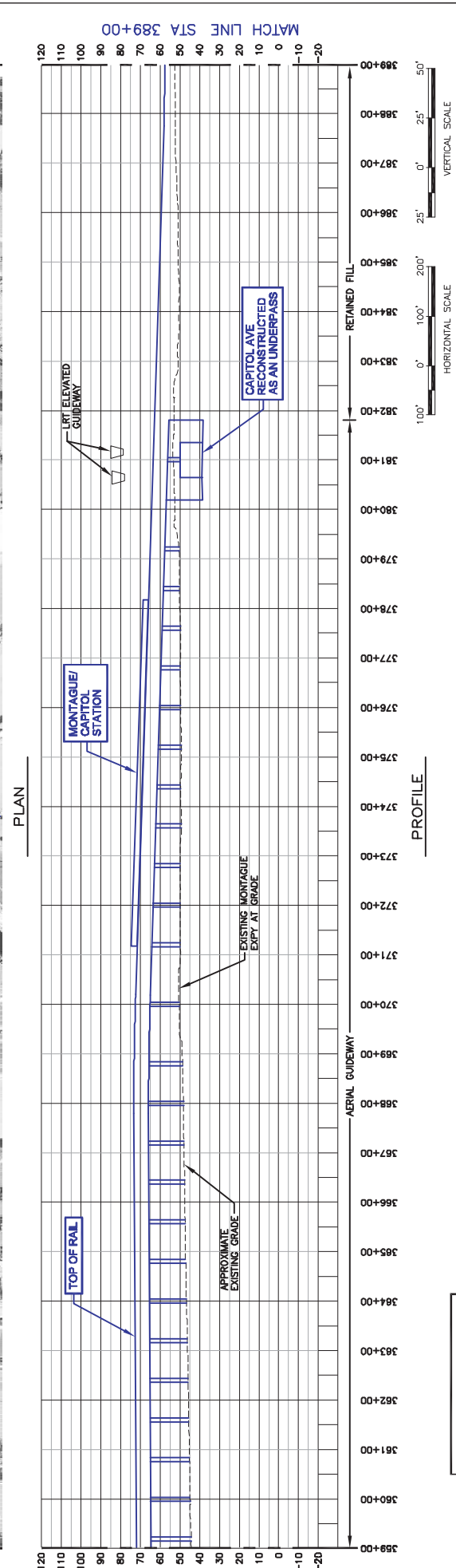
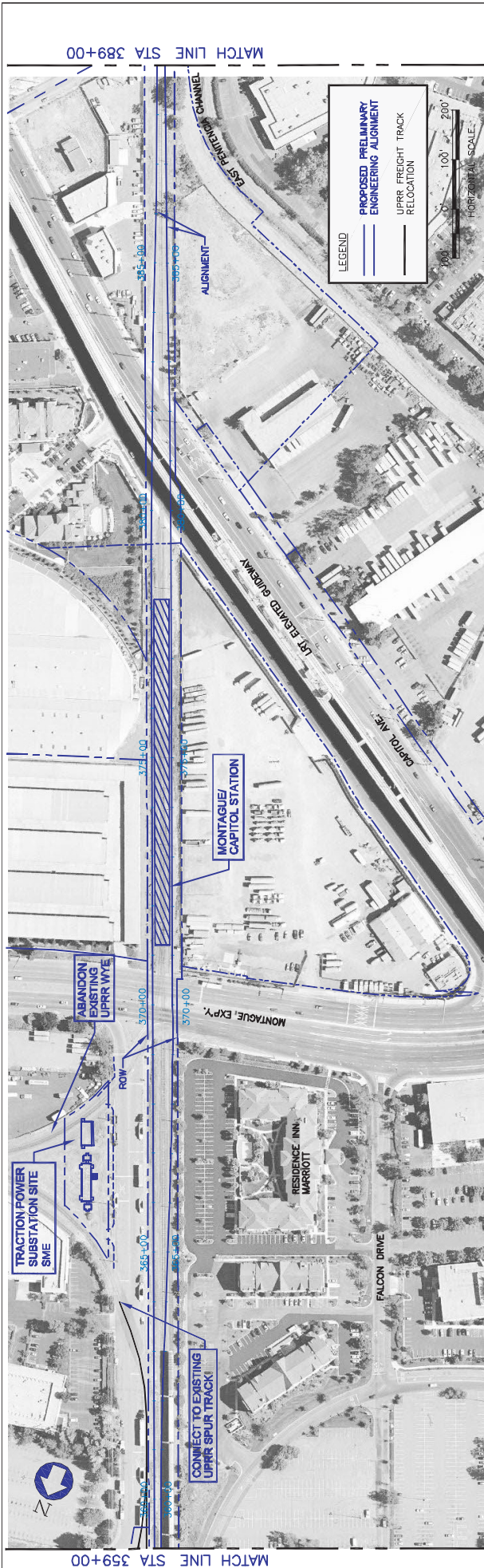


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 NORTH OF MONTAGUE/CAPITOL STATION
 AERIAL - LONG OPTION: SHEET 1 OF 3
 PLAN AND PROFILE
 STA 329+00 TO STA 359+00

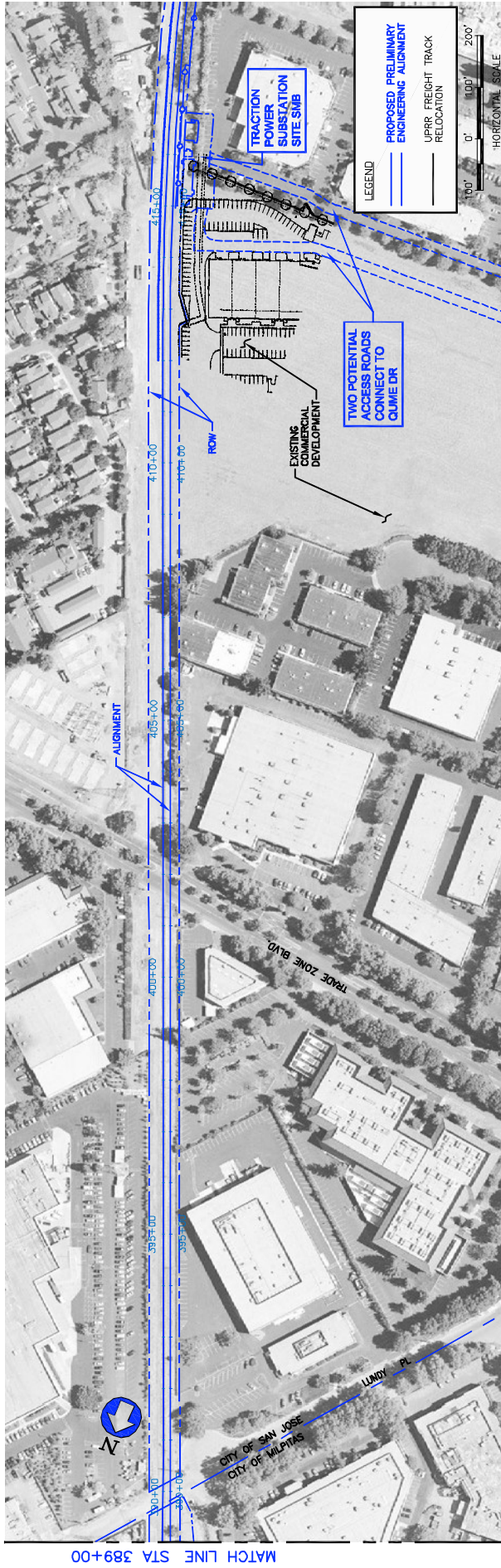
Figure C-28



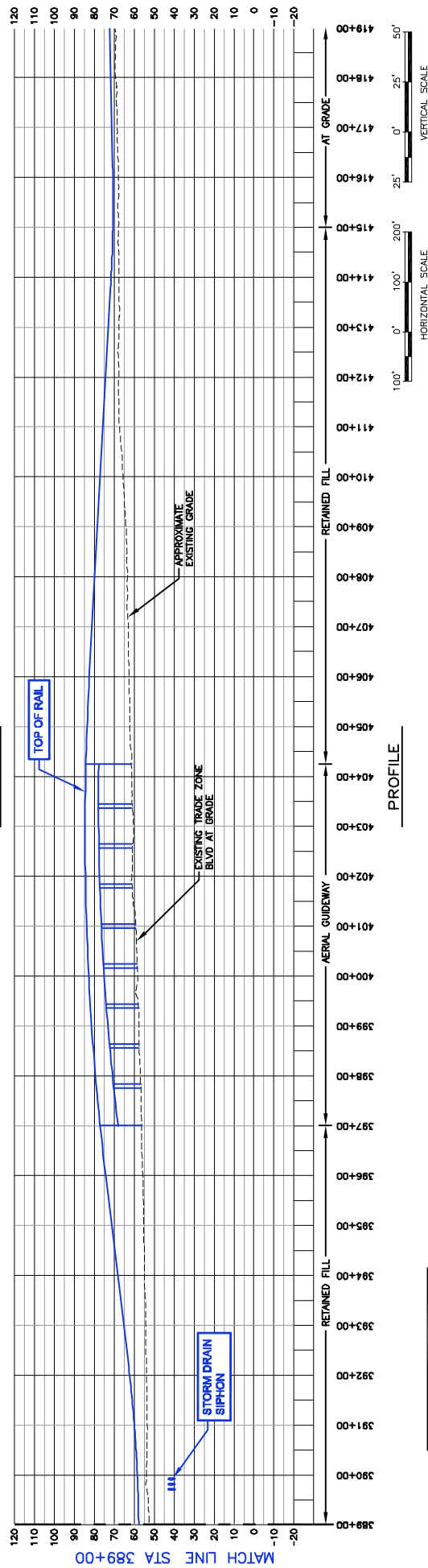
**BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
NORTH OF MONTAGUE/CAPITOL STATION
AERIAL—LONG OPTION: SHEET 2 OF 3
PLAN AND PROFILE
STA 359+00 TO STA 389+00**

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

Figure C-29



PLAN

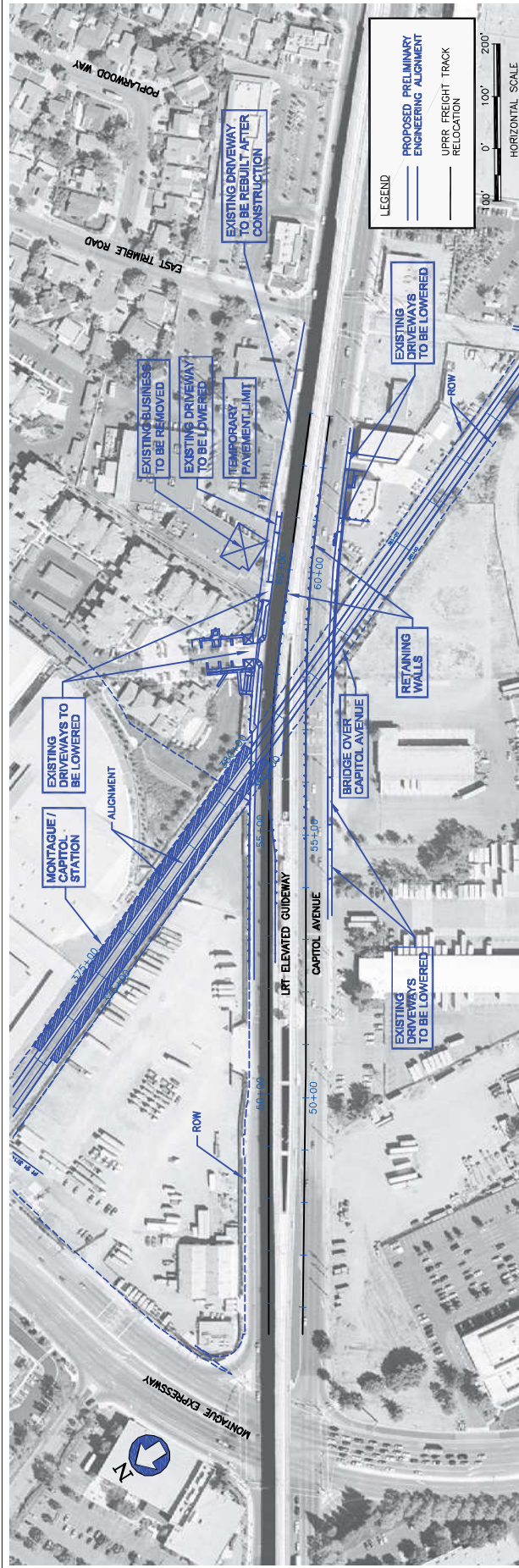


PROFILE

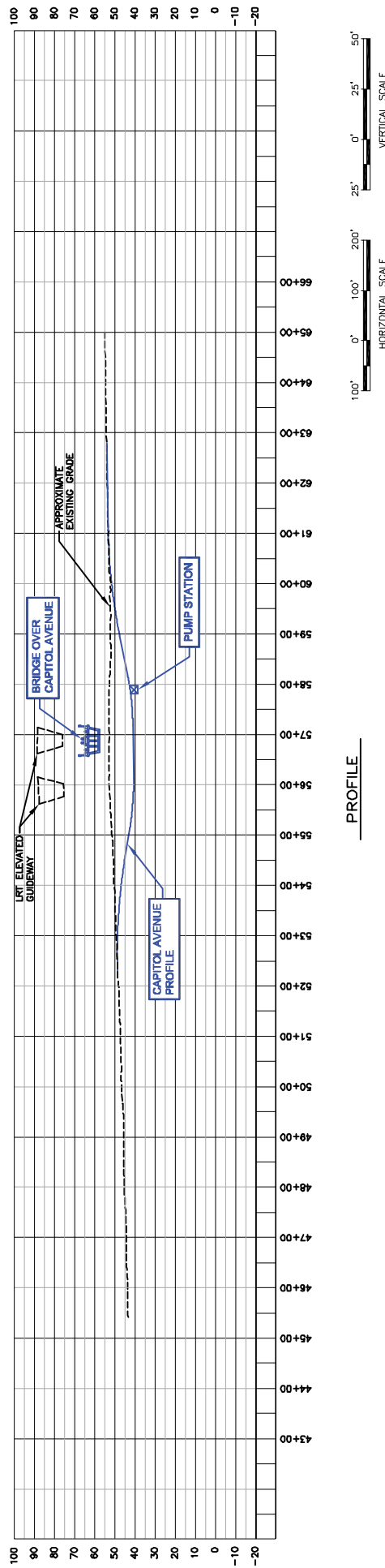
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
NORTH OF MONTAGUE/CAPITOL STATION
AERIAL - LONG OPTION: SHEET 3 OF 3
PLAN AND PROFILE
STA 389+00 TO STA 419+00

Figure C-30



PLAN

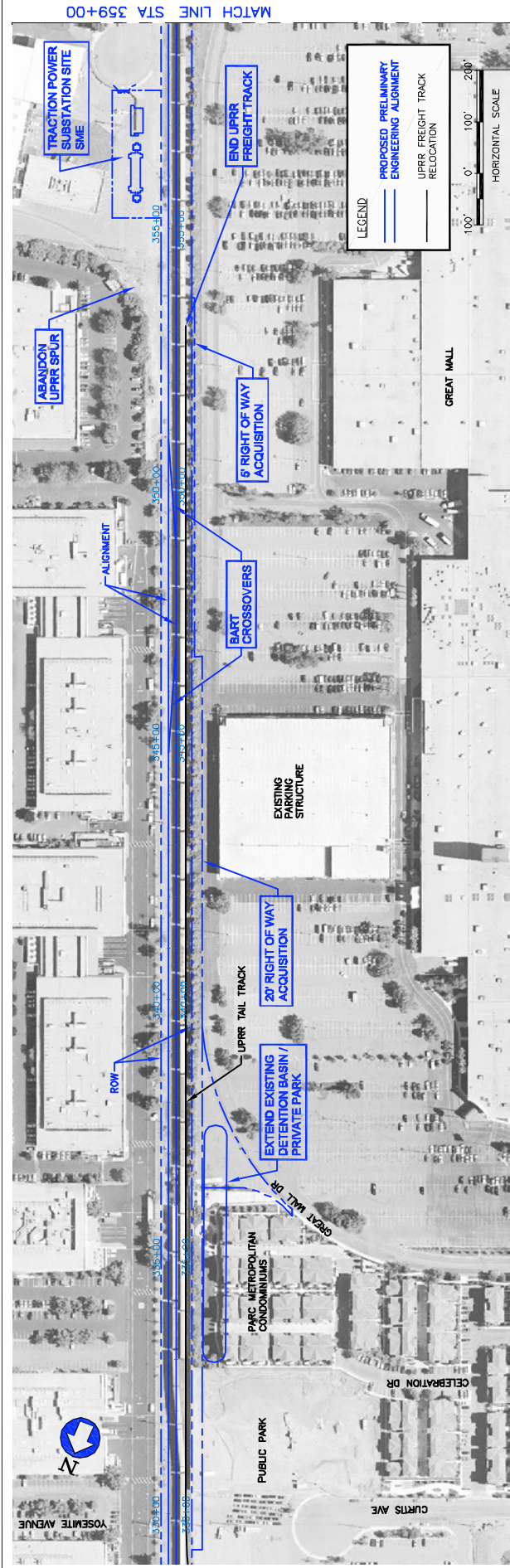


PROFILE

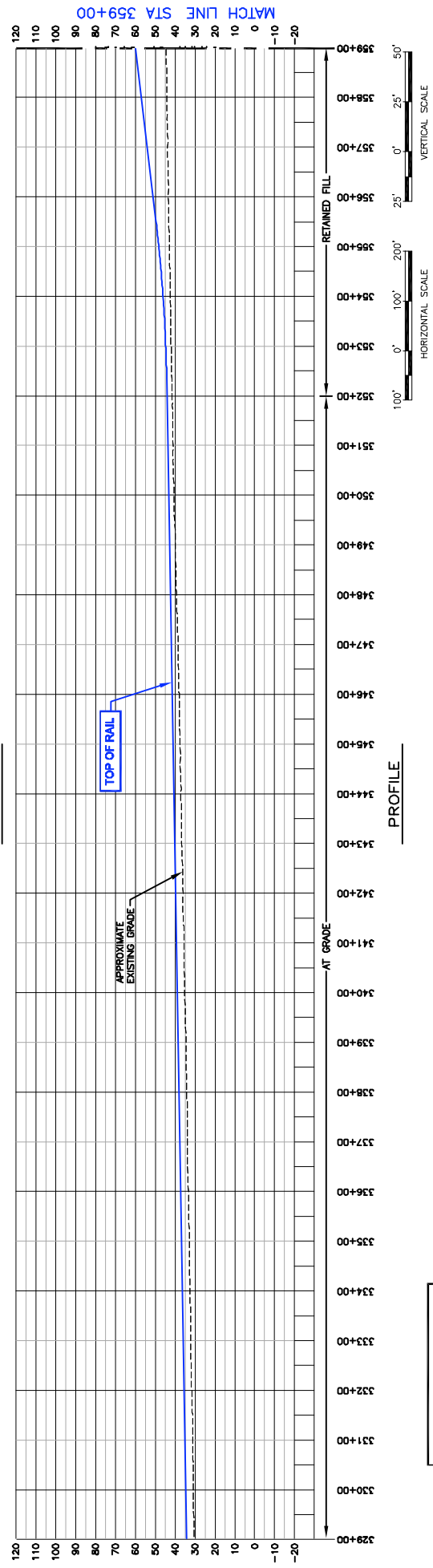
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 CAPITOL AVENUE - BART AERIAL OPTIONS
 LOWERED ROADWAY - SHEET 1 OF 1
 PLAN AND PROFILE
 STA 46+00 TO STA 63+00

Figure C-31



PLAN

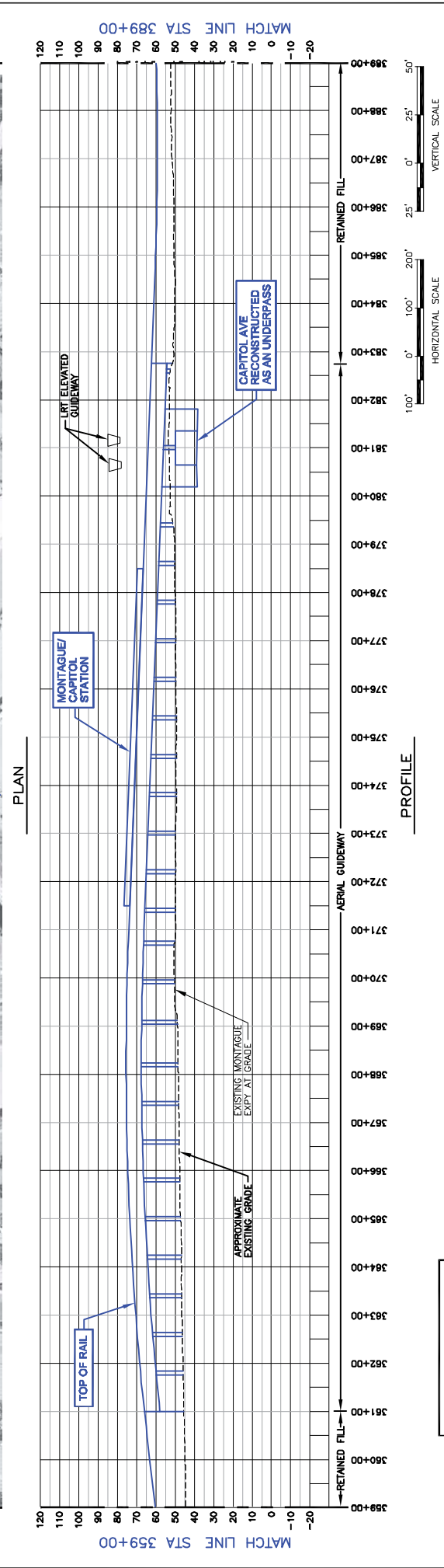
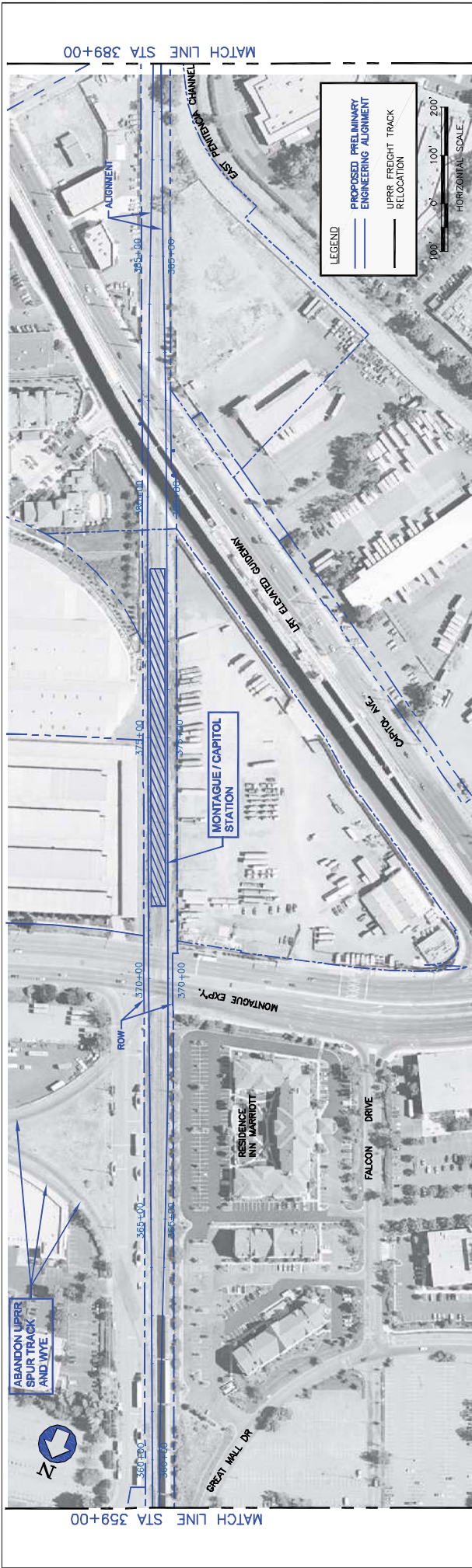


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 MONTAGUE/CAPITOL STATION
 AERIAL—SHORT OPTION; SHEET 1 OF 3
 PLAN AND PROFILE
 STA 329+00 TO STA 359+00

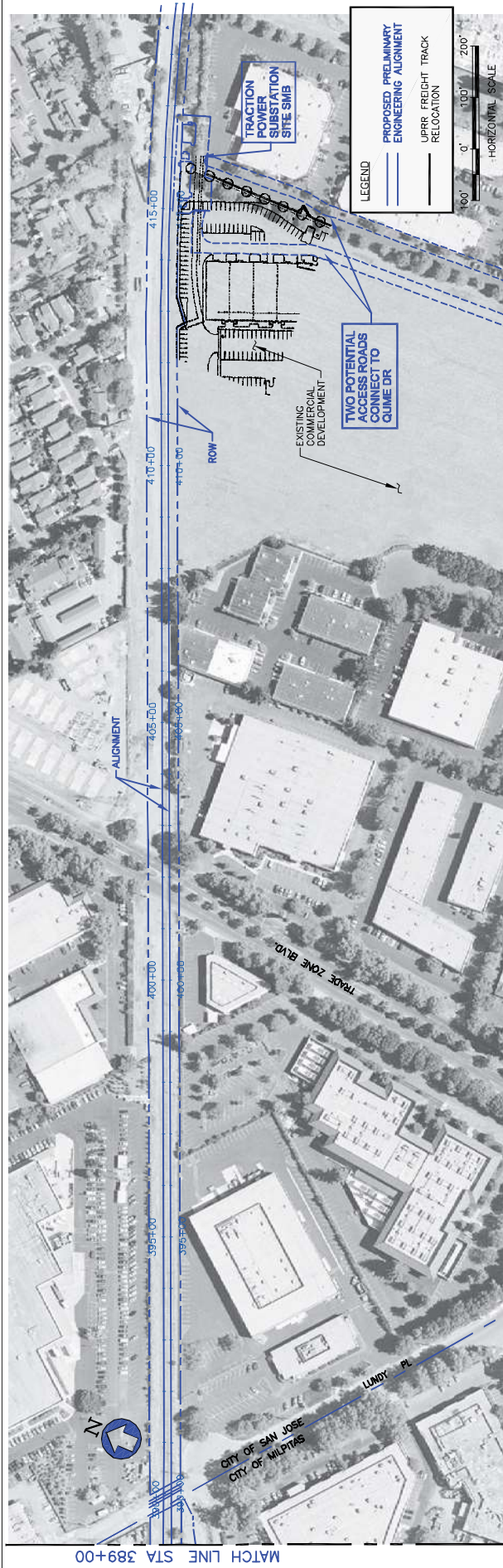
Figure C-32



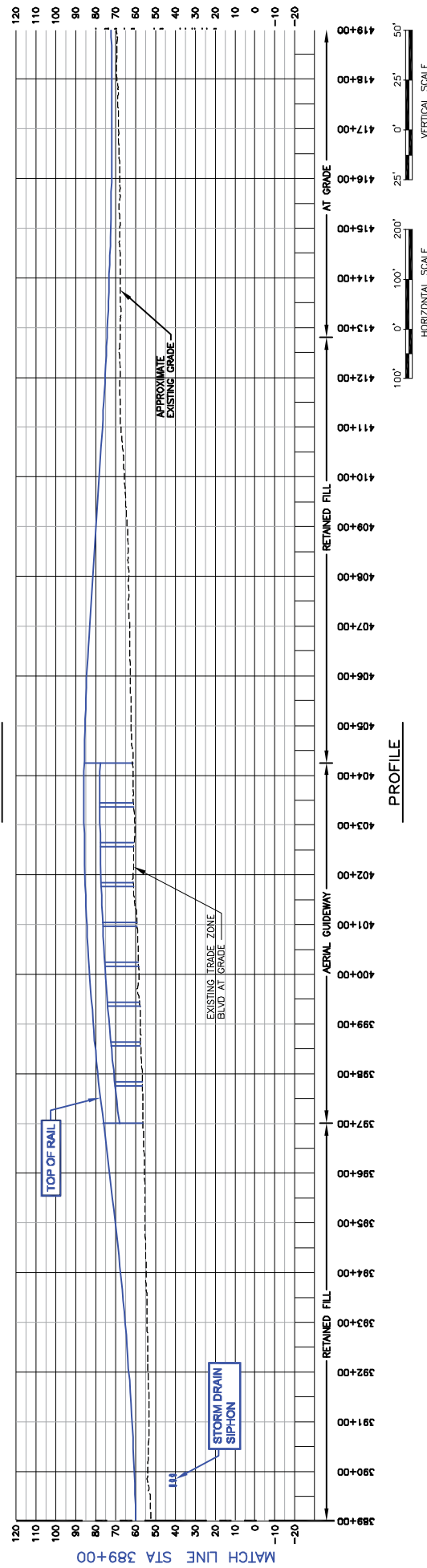
BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 MONTAGUE/CAPITOL STATION
 AERIAL—SHORT OPTION; SHEET 2 OF 3
 PLAN AND PROFILE
 STA 359+00 TO STA 389+00

Figure C-33

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.



PLAN

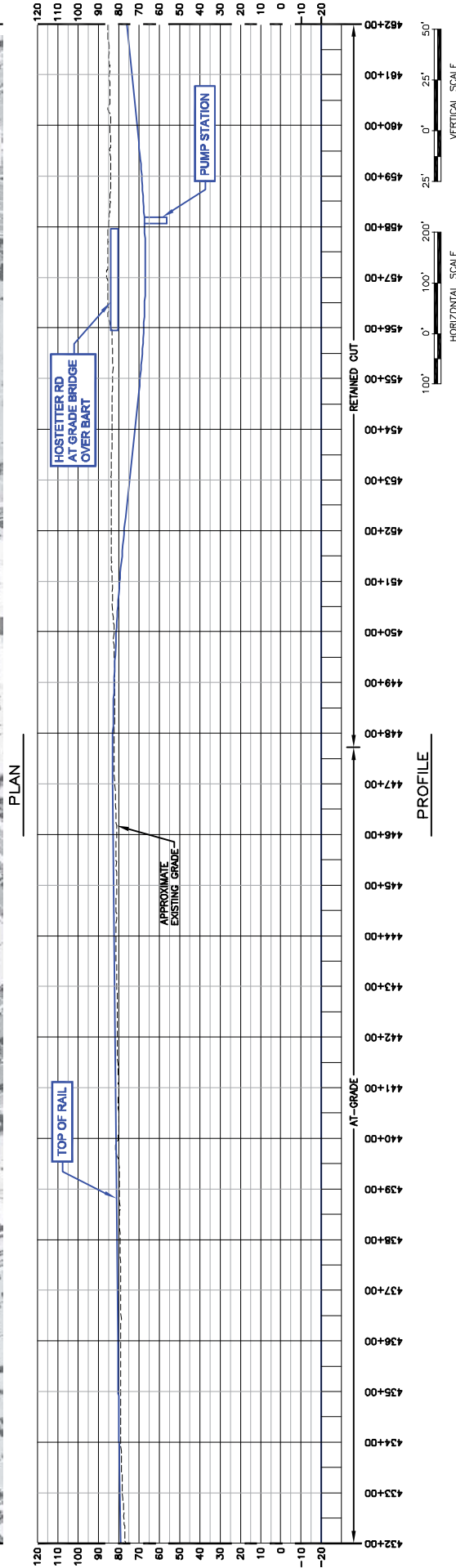
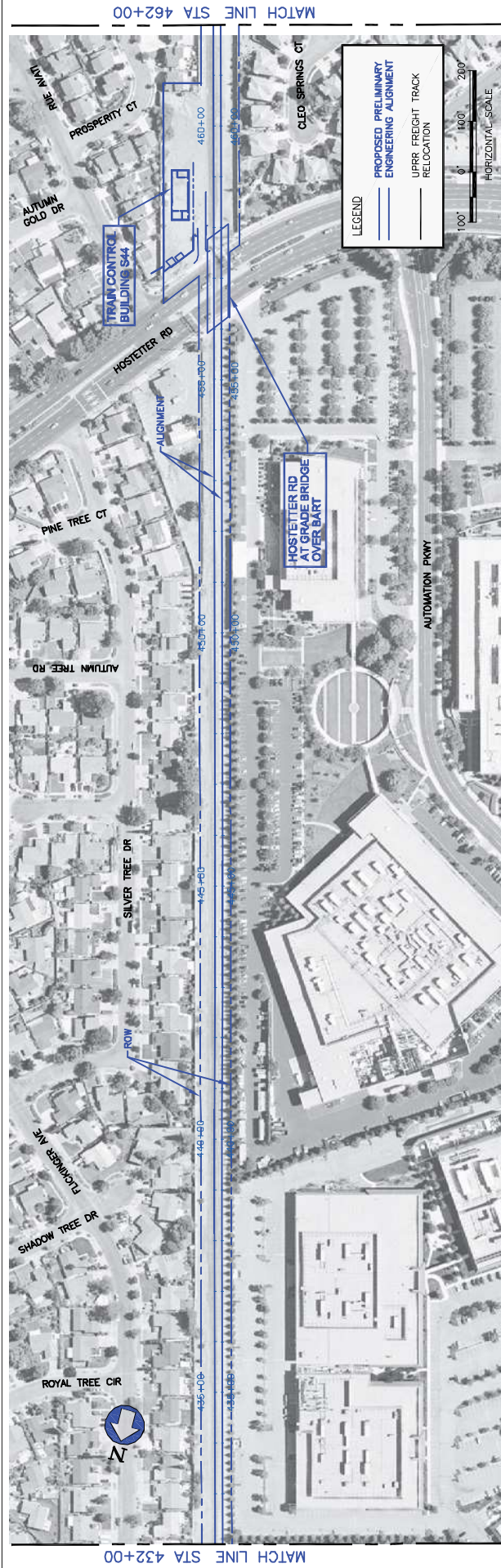


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
MONTAGUE/CAPITOL STATION
AERIAL—SHORT OPTION: SHEET 3 OF 3
PLAN AND PROFILE
STA 389+00 TO STA 419+00

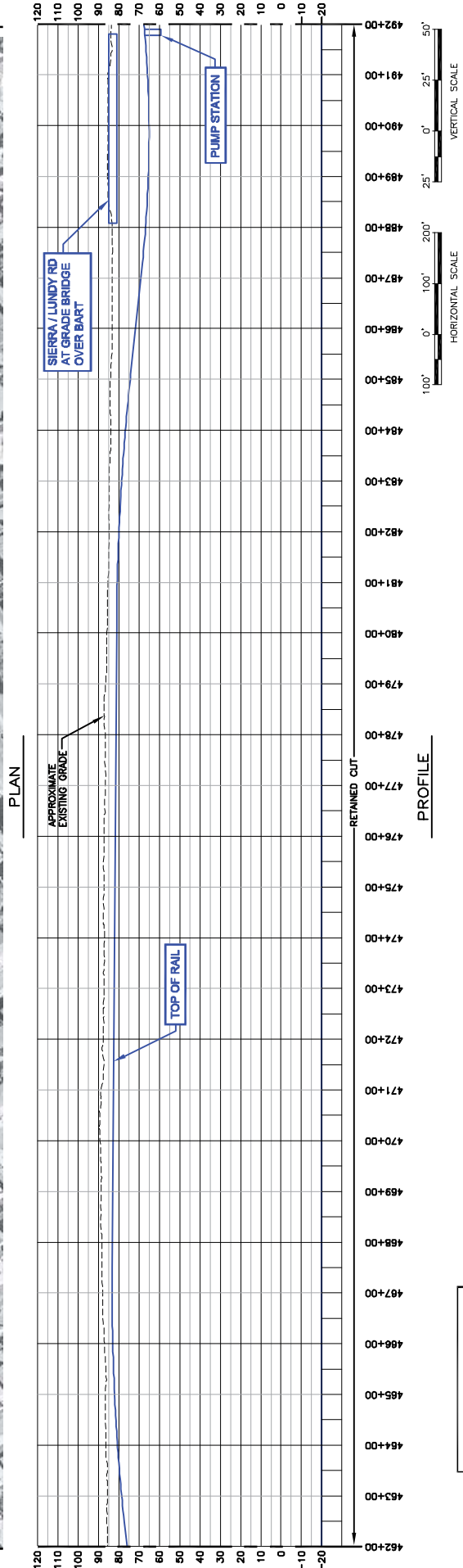
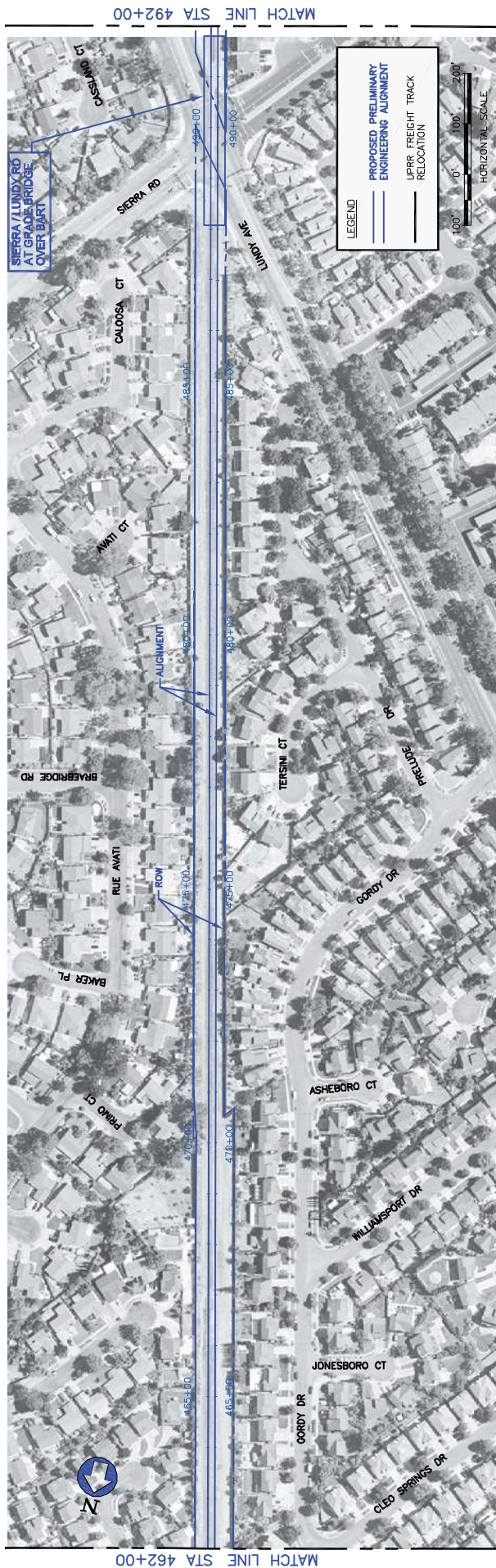
Figure C-34



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
PROPOSED P.E. ALIGNMENTS
PLAN AND PROFILE
STA 432+00 TO STA 462+00

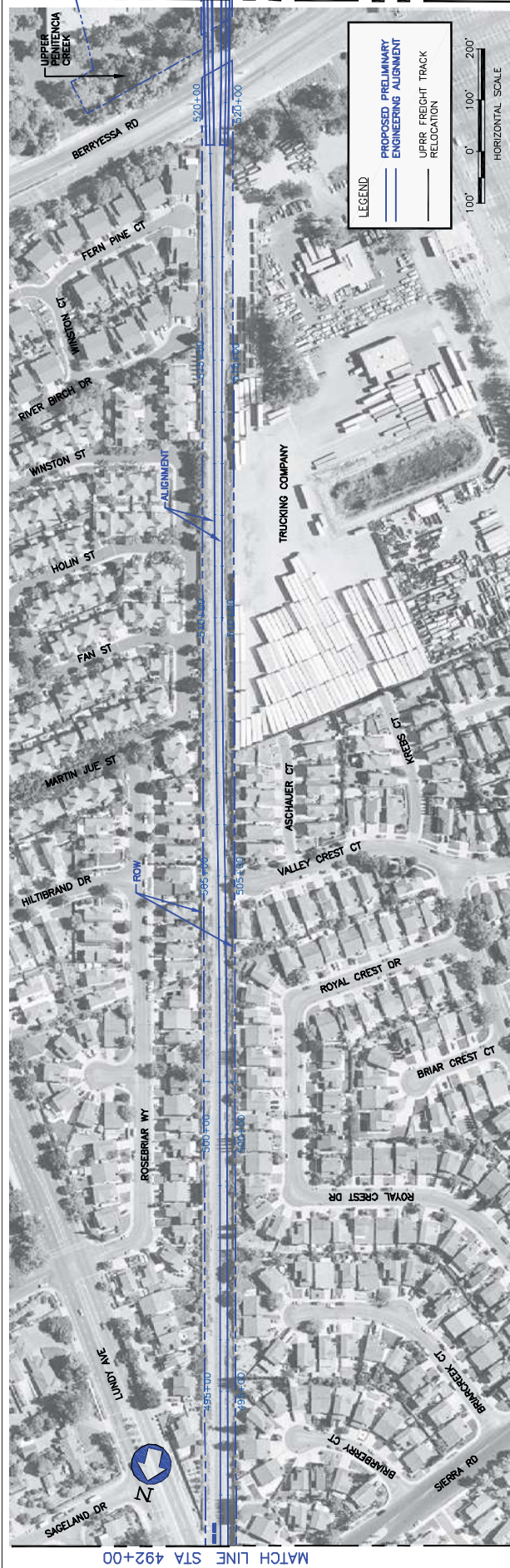
Figure C-35



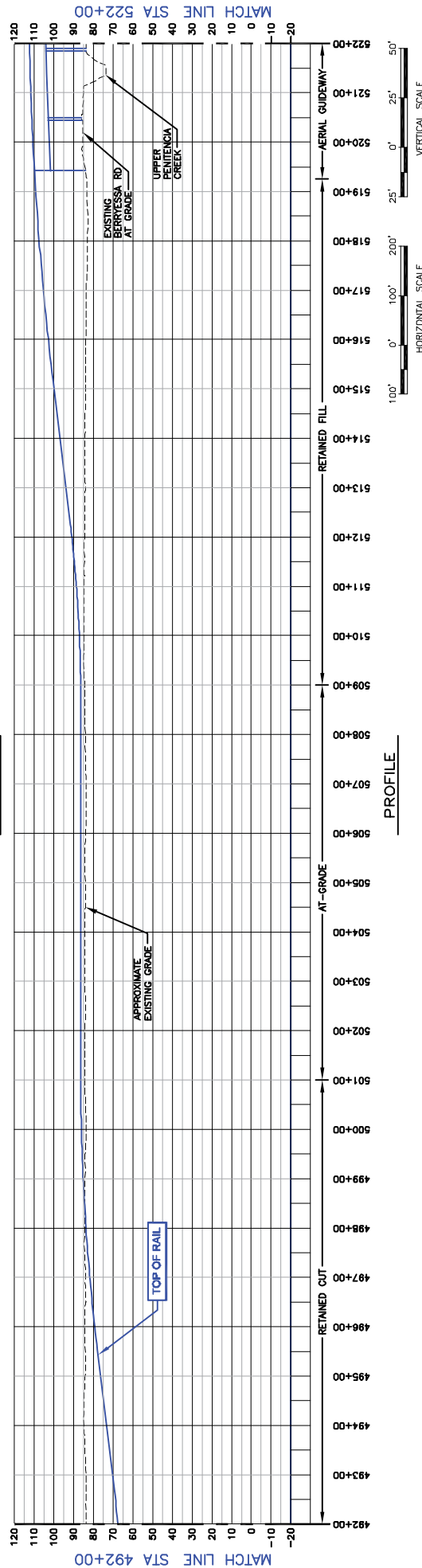
BART EXTENSION PROJECT
 PROPOSED PE ALIGNMENT
 PROPOSED PE ALIGNMENTS
 PLAN AND PROFILE
 STA 462+00 TO STA 492+00

Figure C-36

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.



PLAN

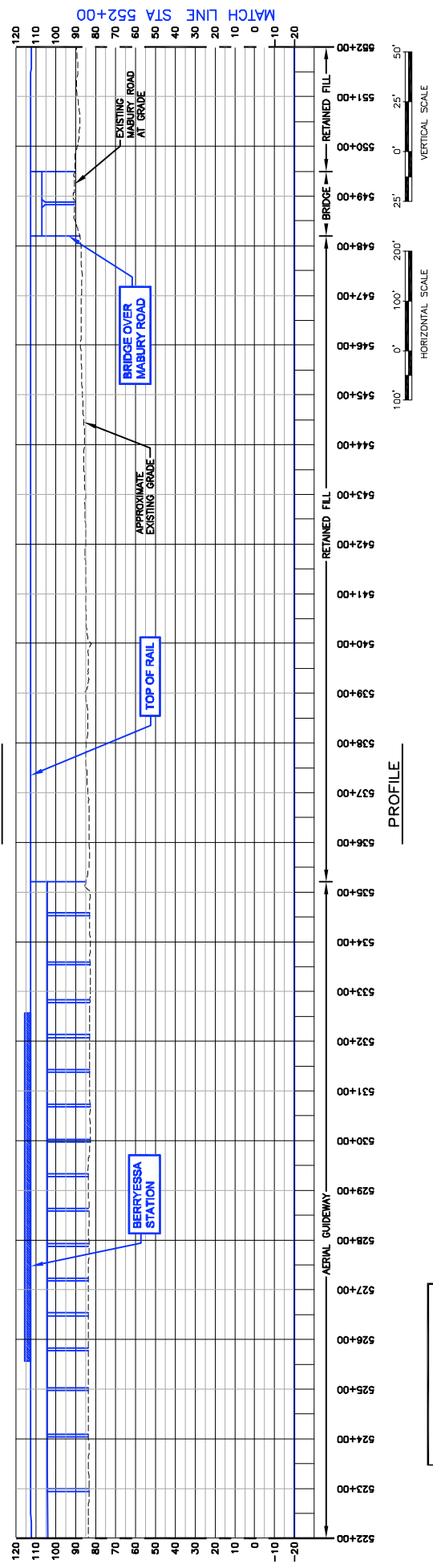
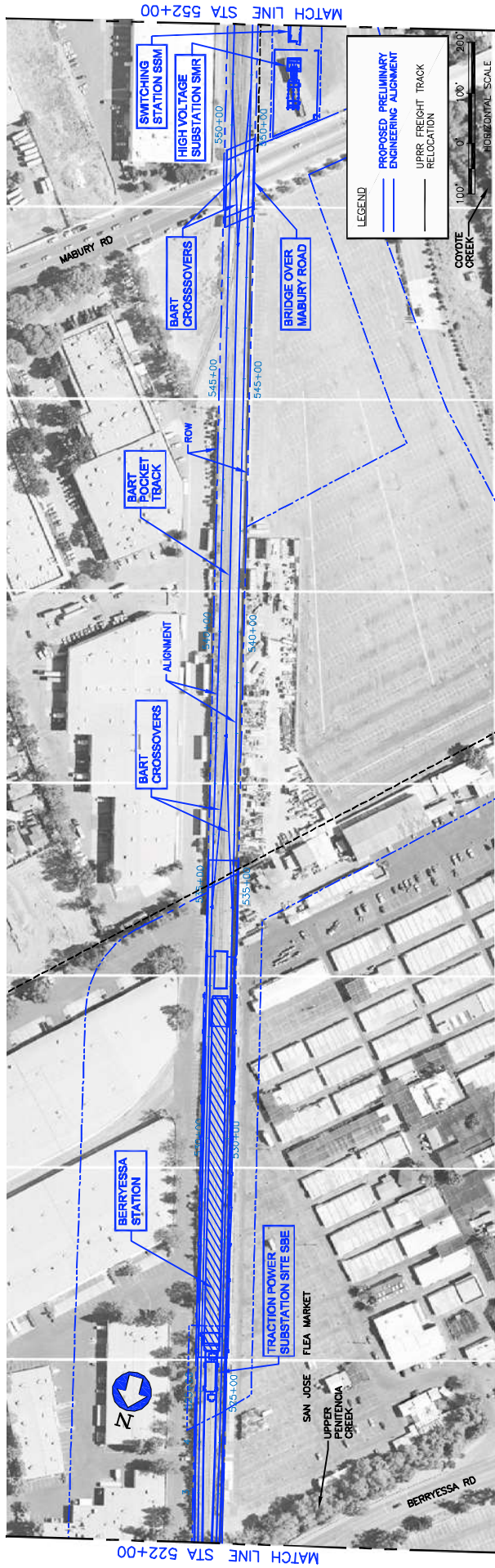


PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 PROPOSED PE ALIGNMENTS
 PLAN AND PROFILE
 STA 492+00 TO STA 522+00

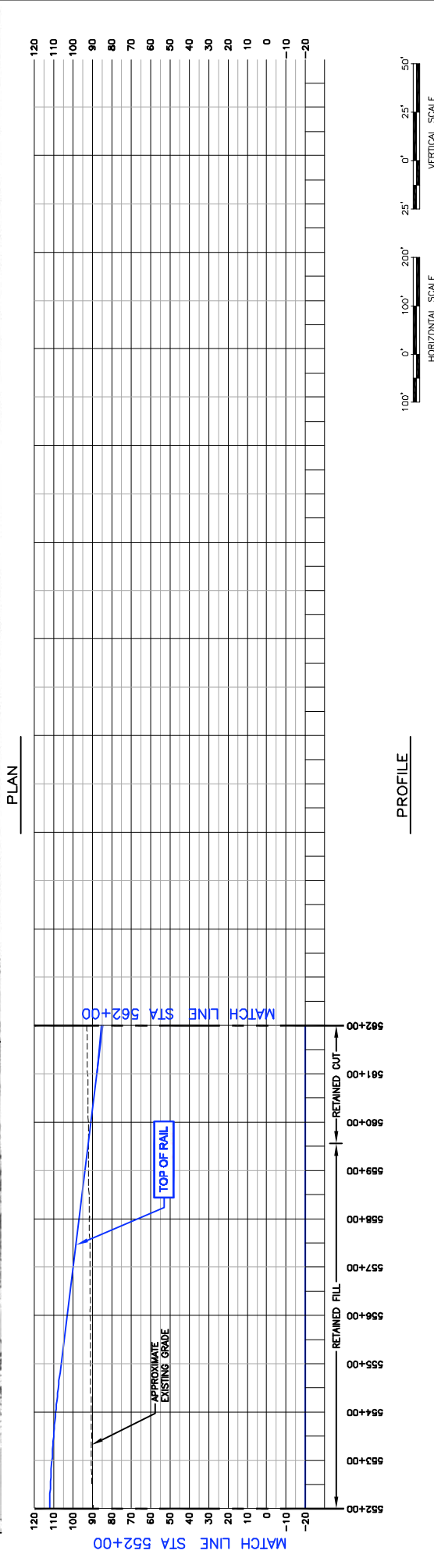
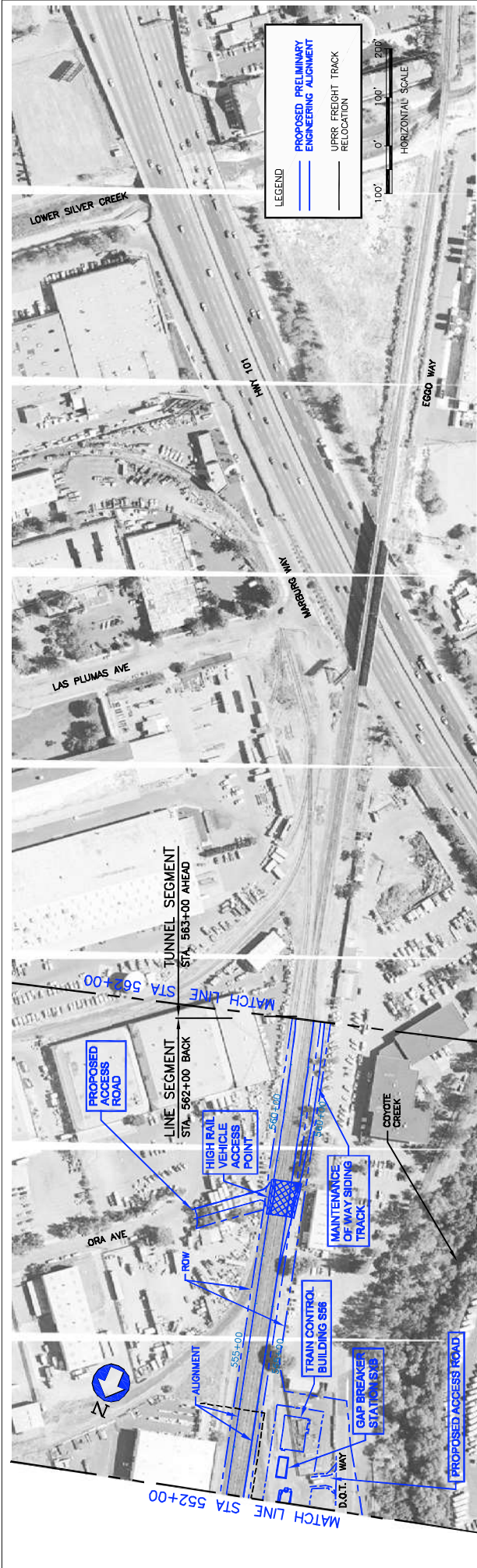
Figure C-37



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 PROPOSED PE ALIGNMENTS
 PLAN AND PROFILE
 STA 522+00 TO STA 552+00

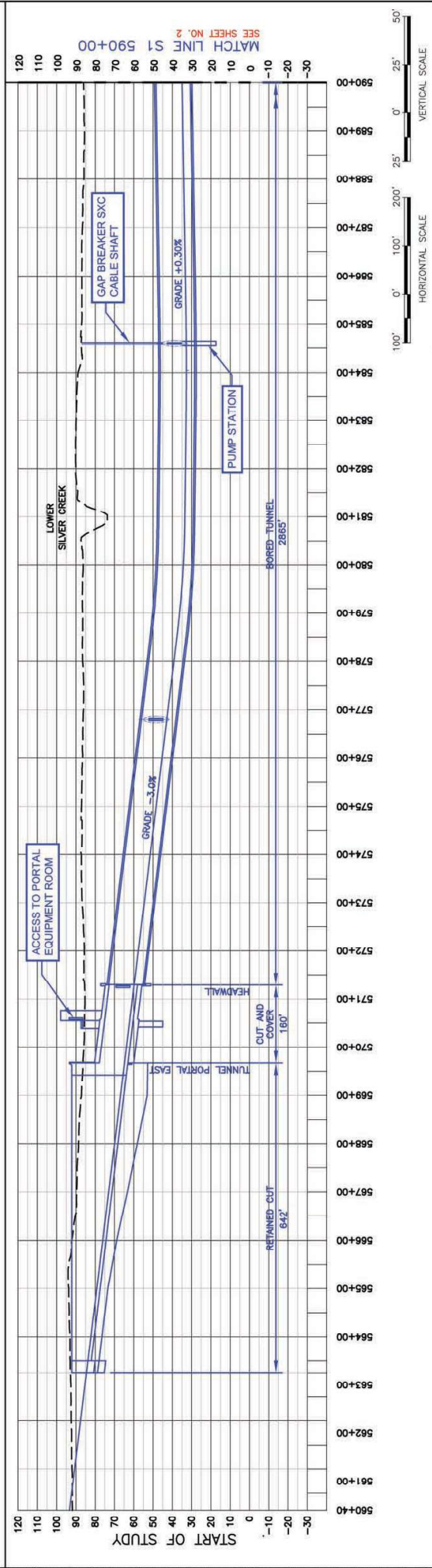
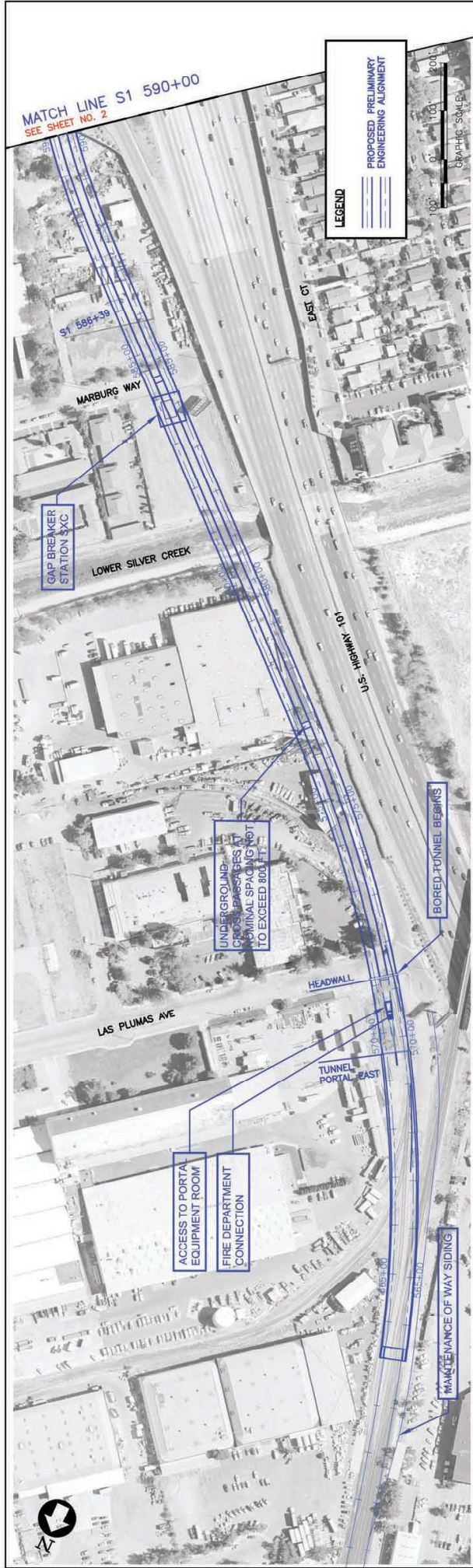
Figure C-38



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
PROPOSED P.E. ALIGNMENTS
PLAN AND PROFILE
STA 552+00 TO STA 562+00

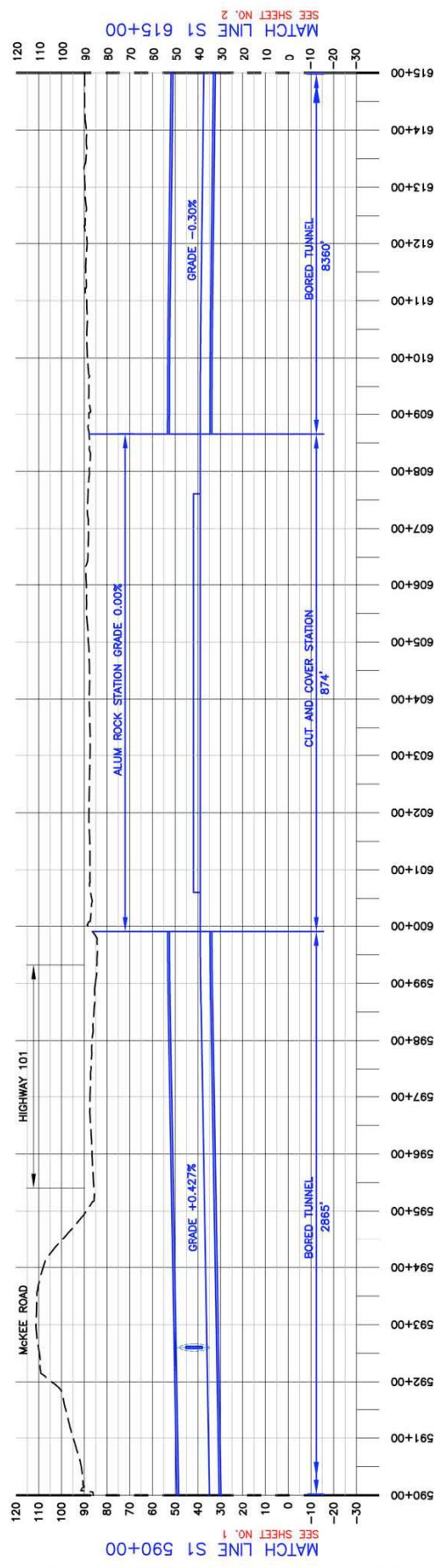
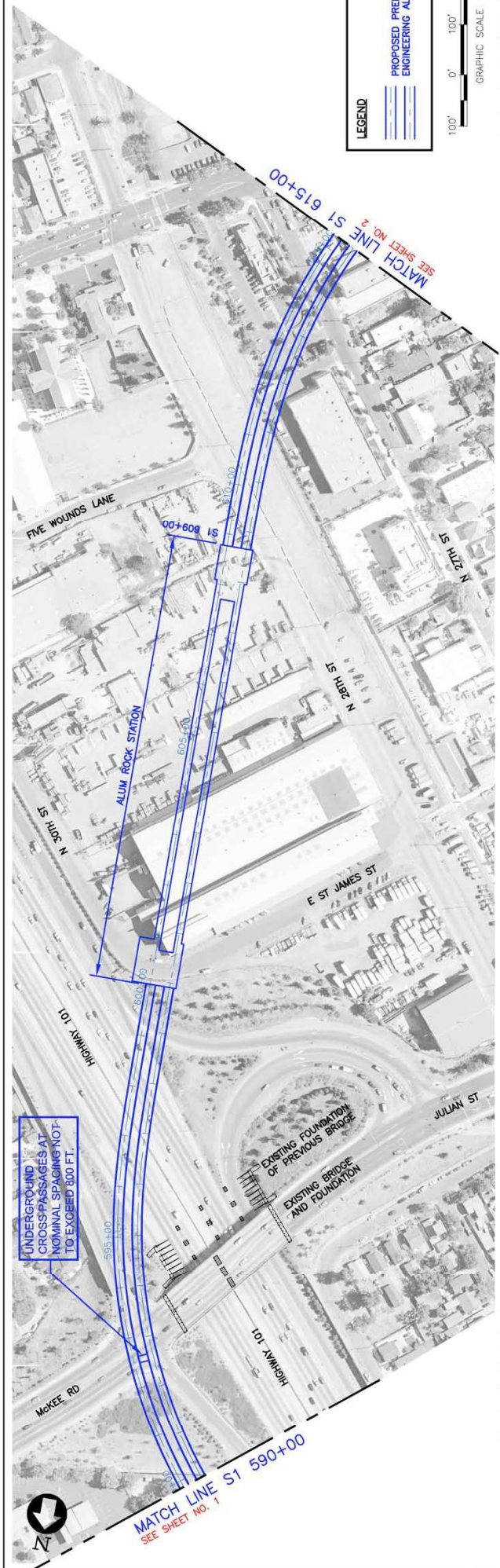
Figure C-39



**BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT**

SHEET 1 OF 10
PLAN & PROFILE
D300-S-TR-X030-B.dwg

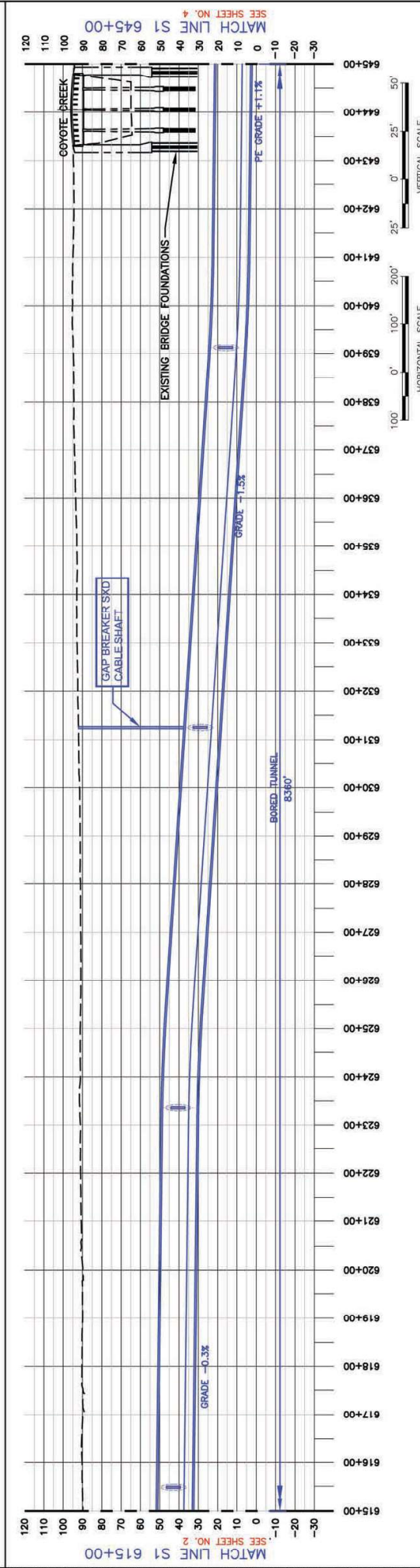
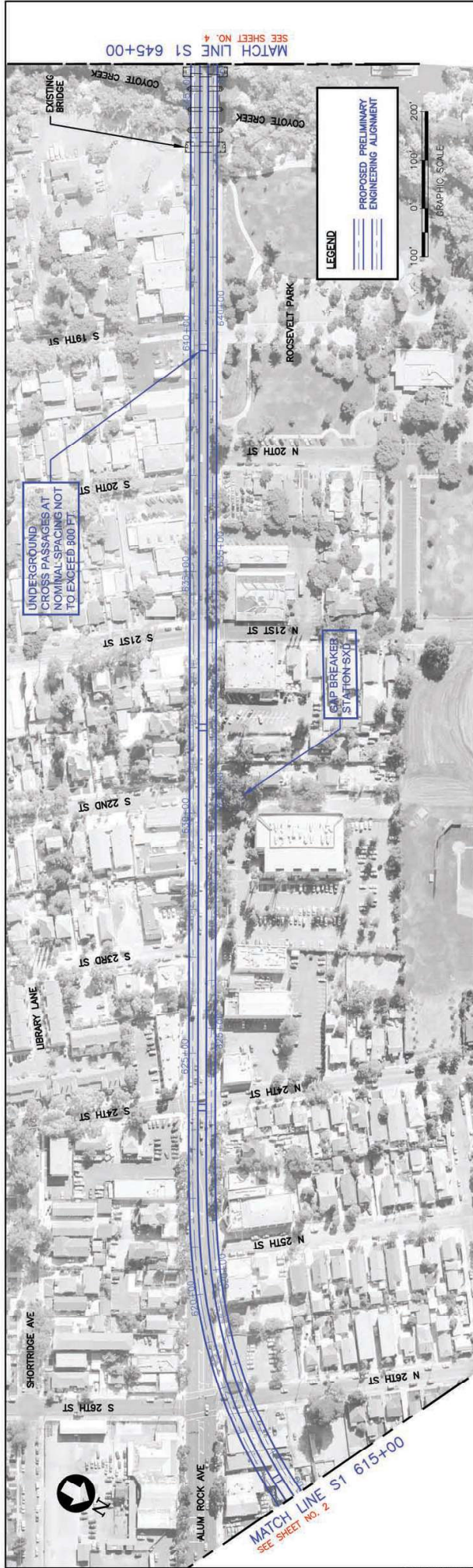
Figure C-41



BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT

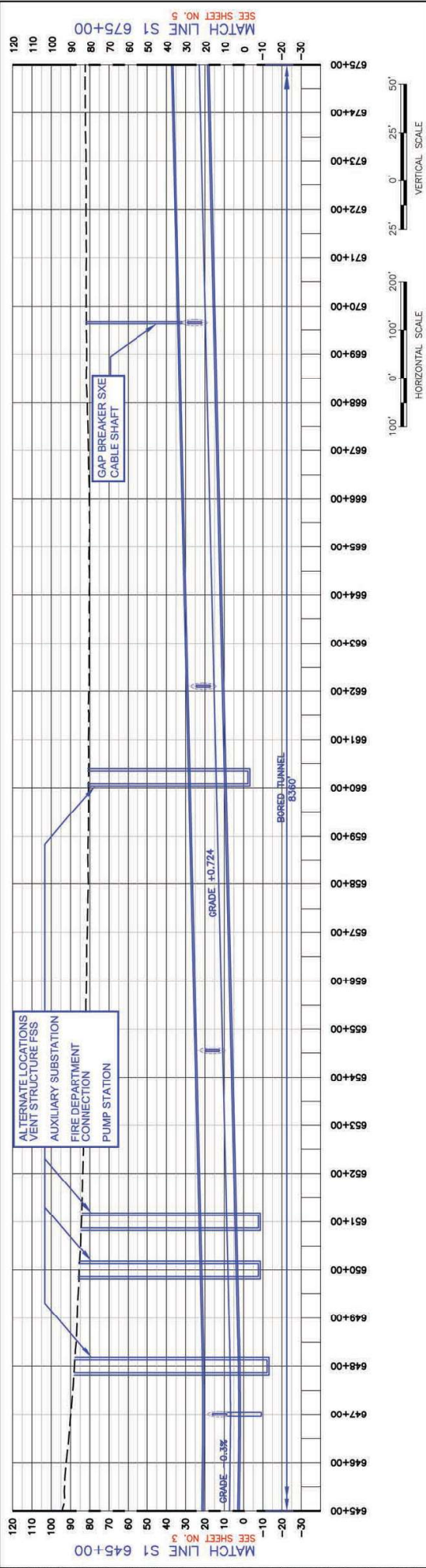
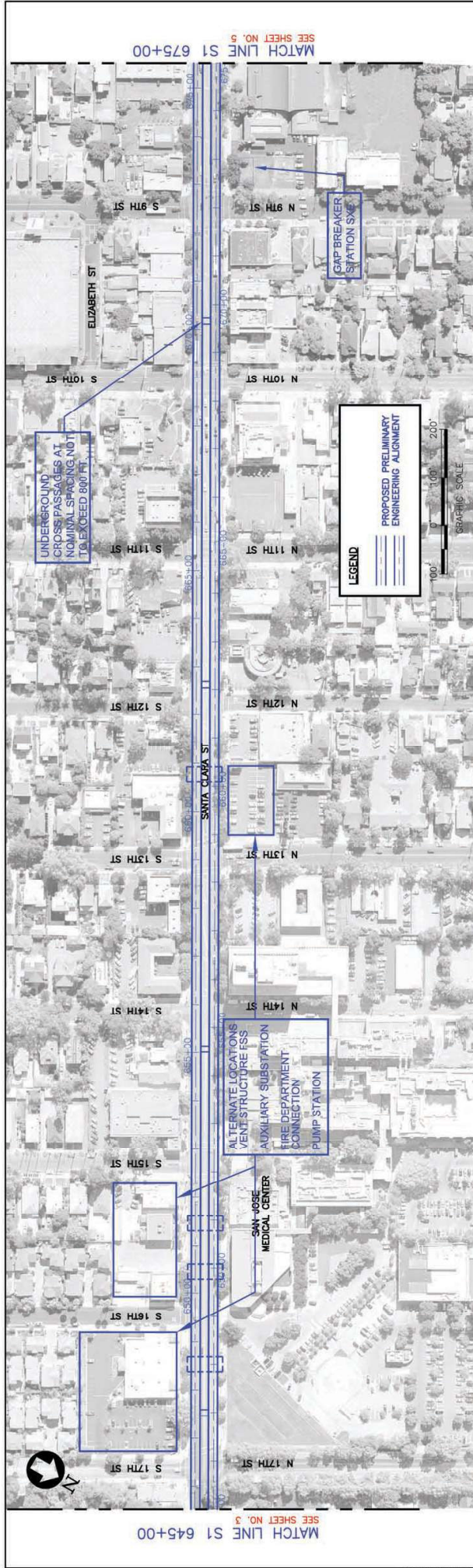
SHEET 2 OF 10
PLAN & PROFILE
D300-S-TR-X031-B.dwg

Figure C-42



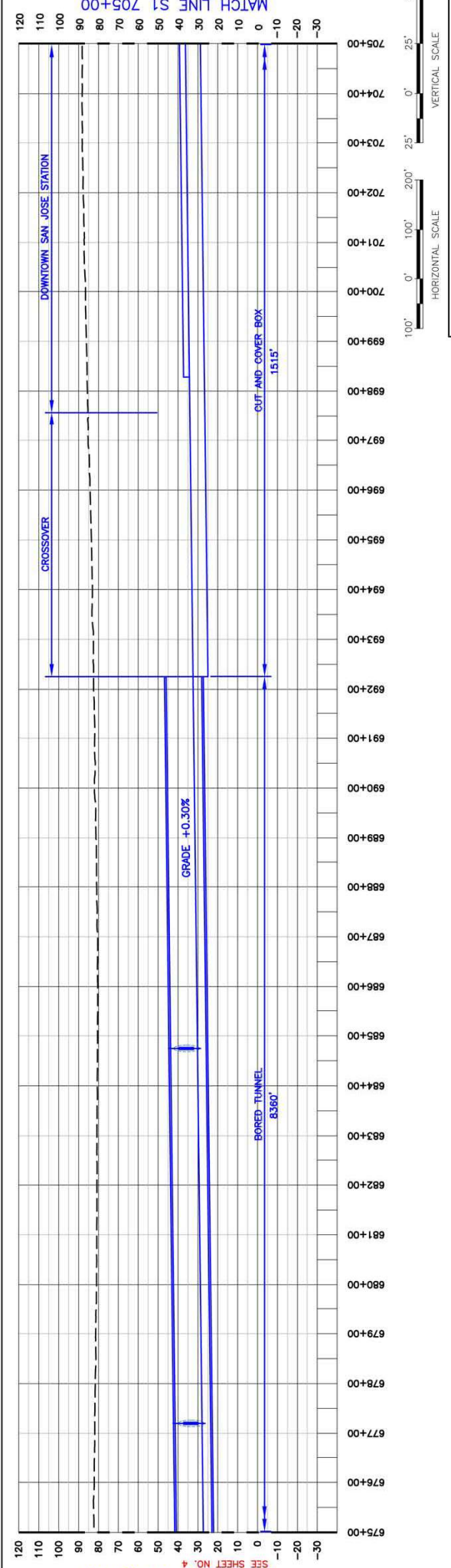
BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
SINGLE DOWNTOWN STATION OPTION
 SHEET 3 OF 10
 PLAN & PROFILE - SANTA CLARA ST/COYOTE CREEK
 D300-S-TR-X032-B-AI.dwg

Figure C-43



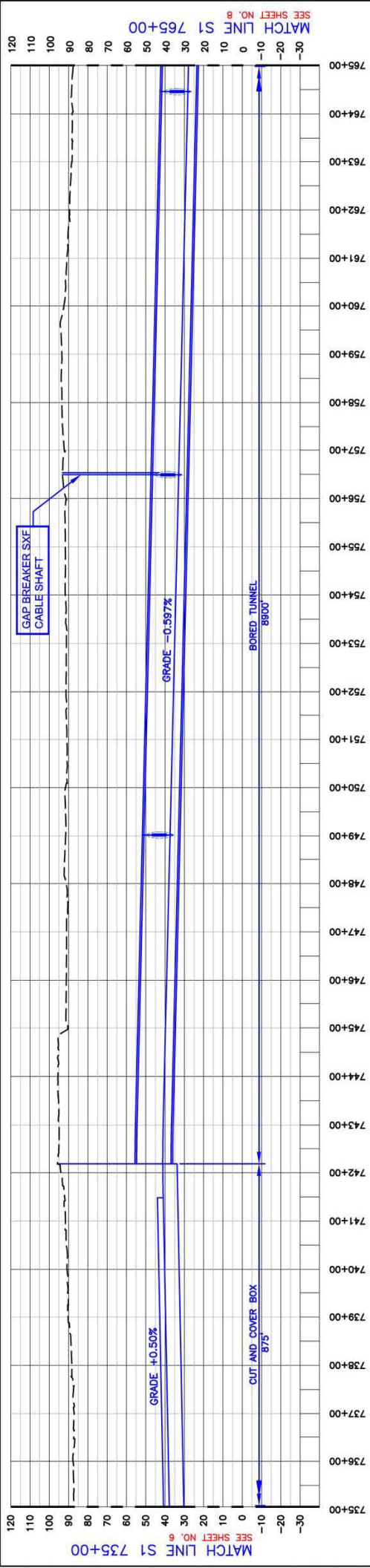
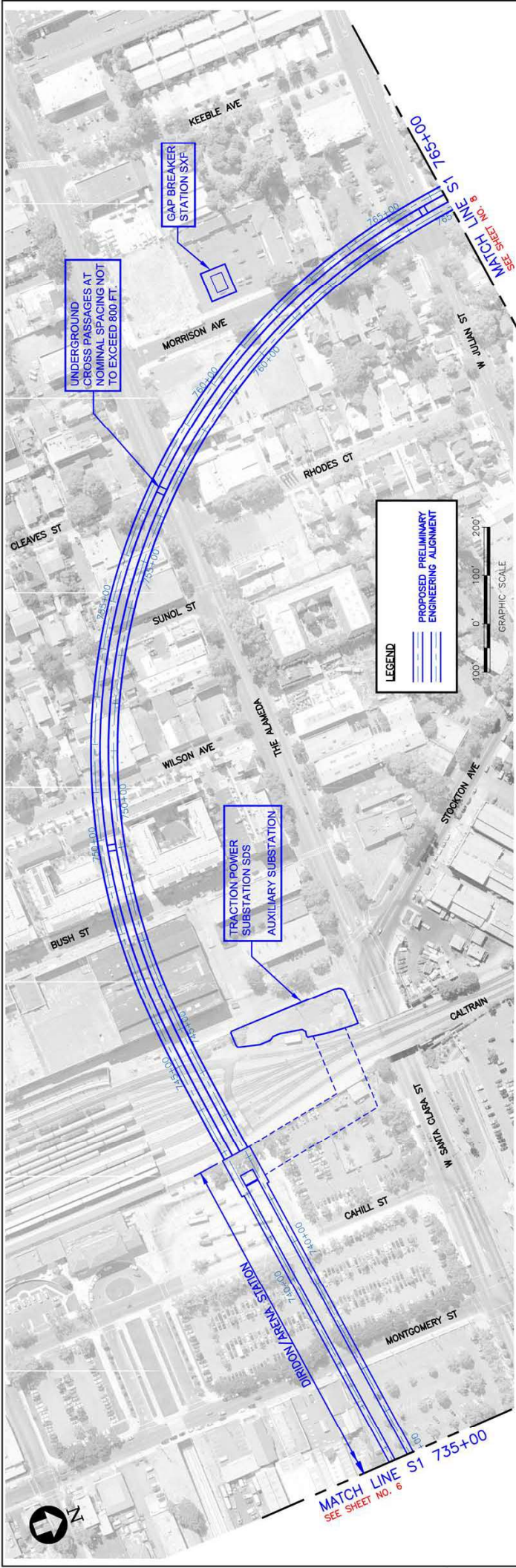
BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 SINGLE DOWNTOWN STATION OPTION
 SHEET 4 OF 10
 PLAN & PROFILE - SANTA CLARA ST/COYOOTE CREEK
 D300-S-TR-X033-B-Alt.dwg

Figure C-44



BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 SHEET 5 OF 10
 PLAN & PROFILE
 D300-S-TR-X034-B.dwg

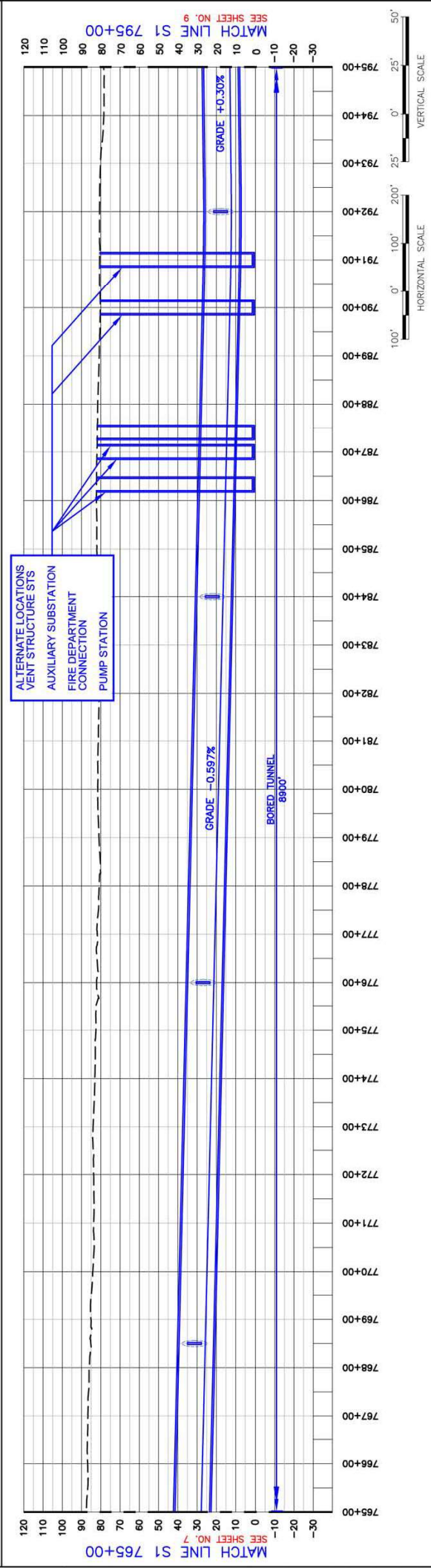
Figure C-45



BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 SHEET 7 OF 10
 PLAN & PROFILE
 D300-S-TR-X036-B.dwg



Figure C-47



BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT

SHEET 8 OF 10
PLAN & PROFILE
D300-S-TR-X037-B.dwg

Figure C-48

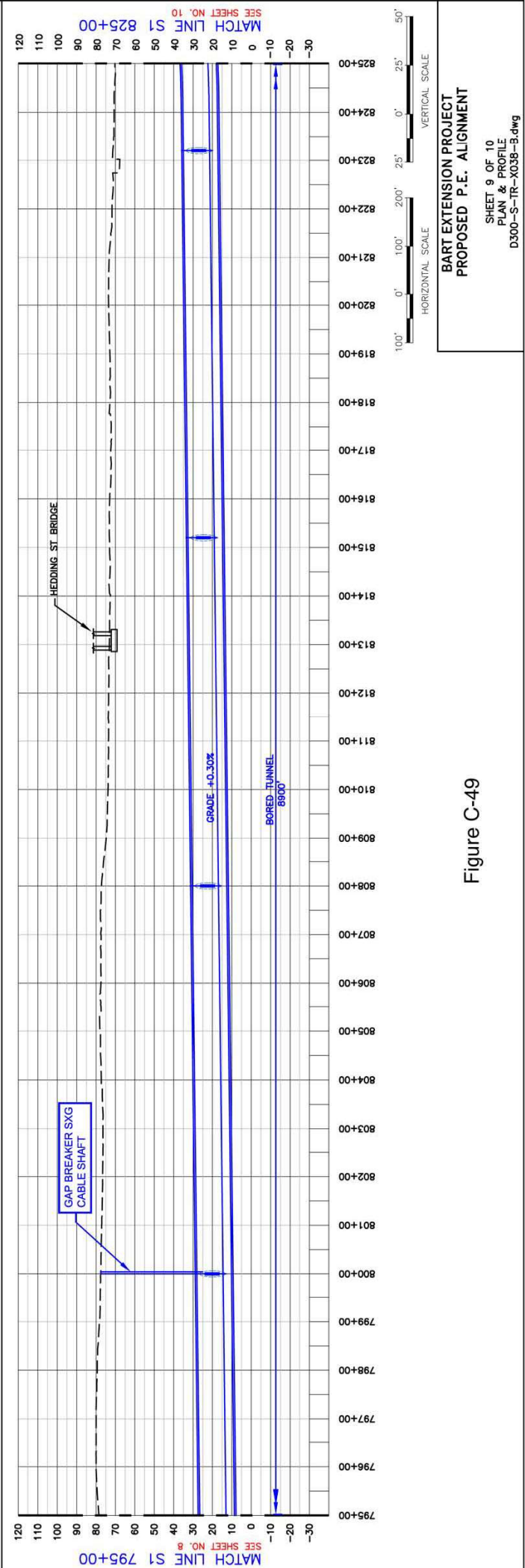
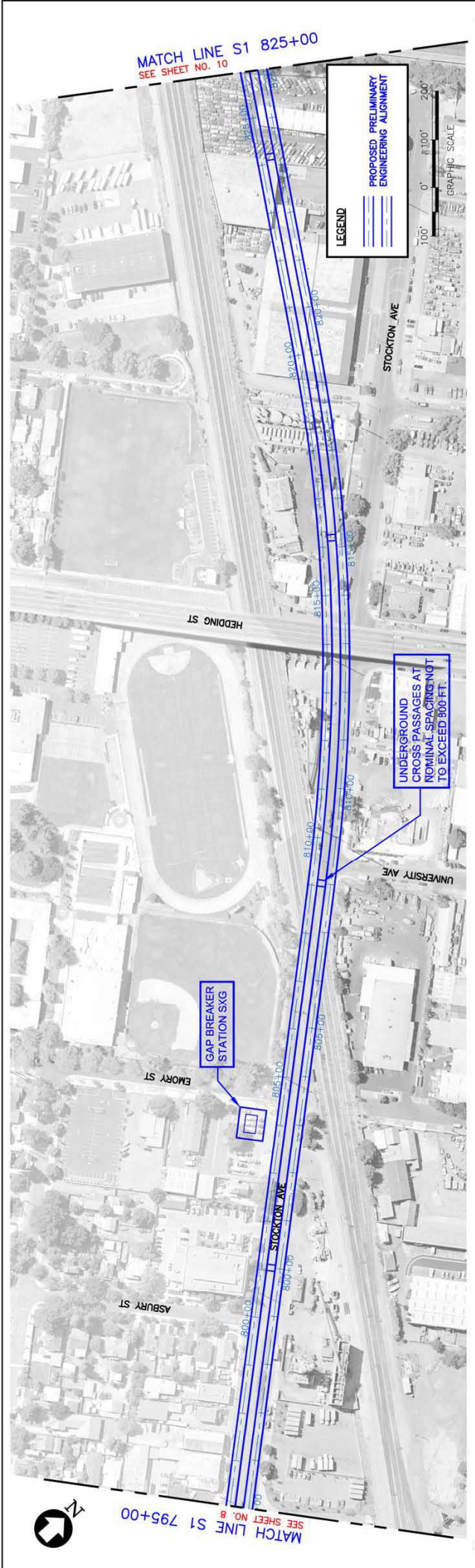


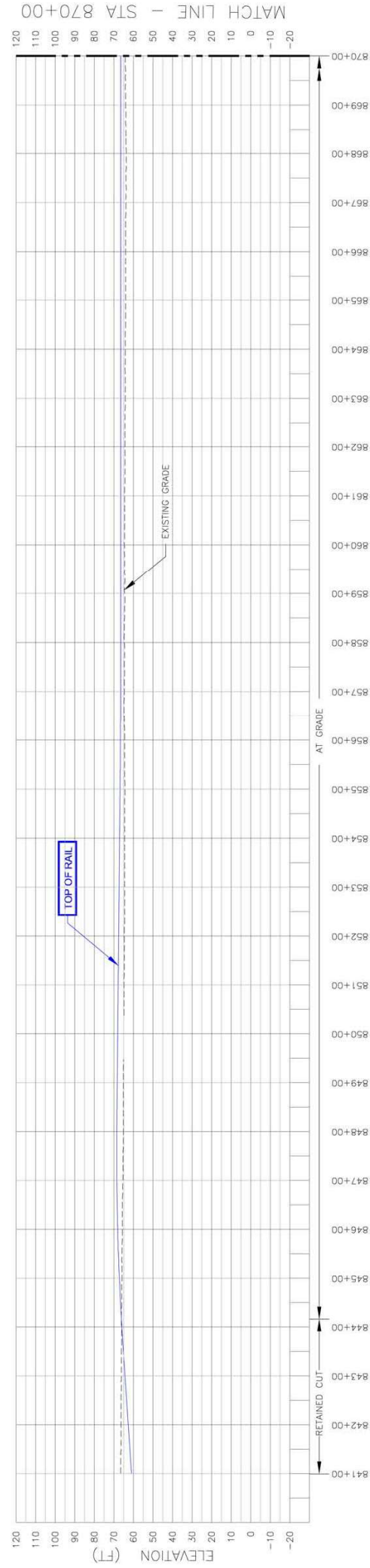
Figure C-49



MATCH LINE - STA 870+00

LEGEND
 PRELIMINARY ENGINEERING ALIGNMENT

HORIZONTAL SCALE
 100' 0' 100' 200'



BART EXTENSION PROJECT
 PROPOSED P.E. ALIGNMENT
 PLAN & PROFILE
 STA 840+00 TO STA 870+00

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

Figure C-51

TUNNEL SEGMENT
 ST 840+00.00 BACK

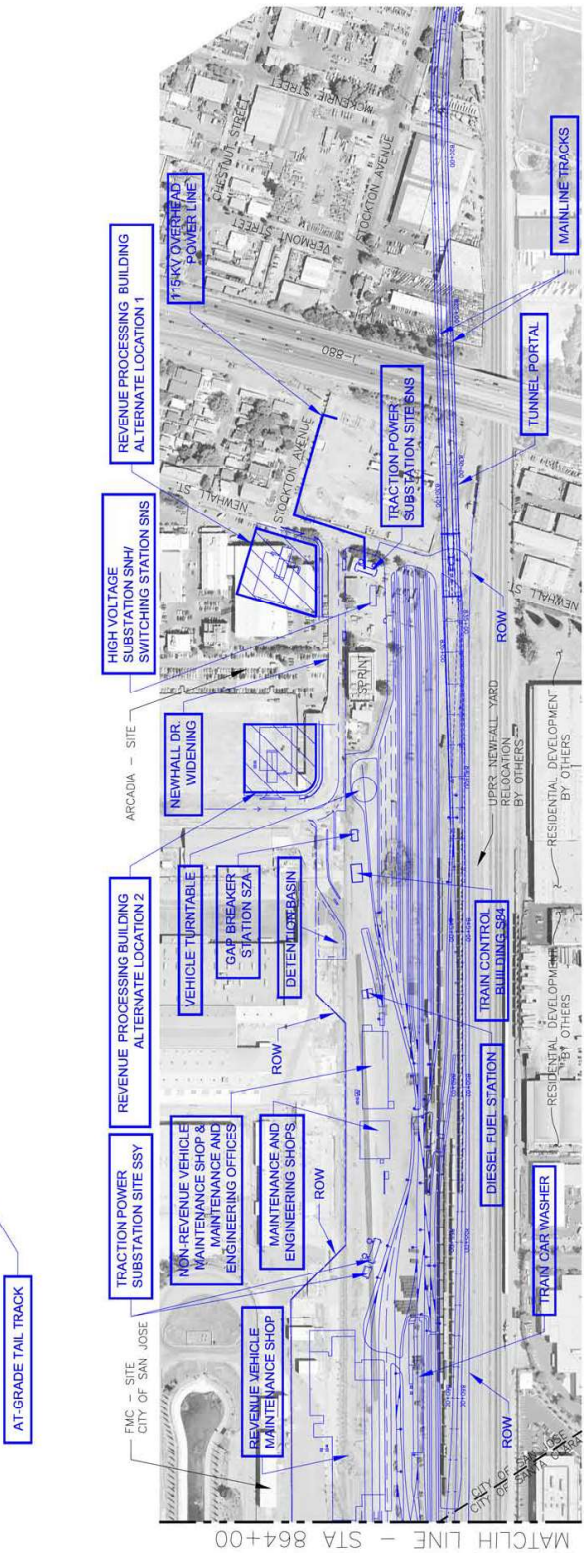
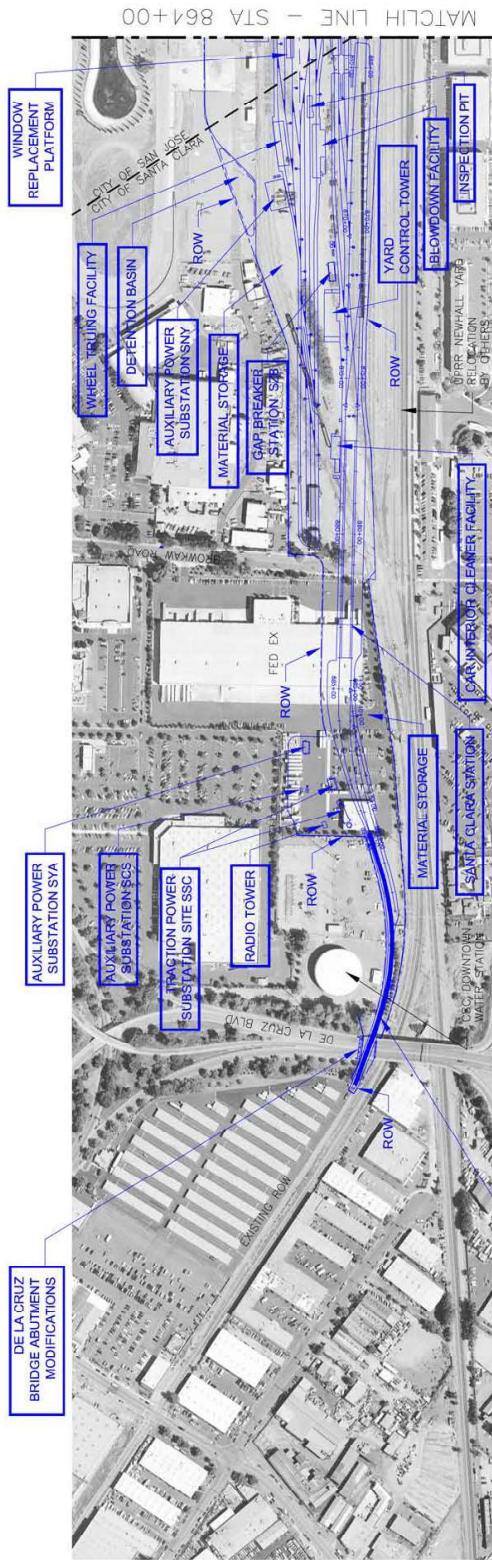
YARD SEGMENT
 ST 840+00.00 TO 850+00

RESIDENTIAL DEVELOPMENT BY OTHERS

RESIDENTIAL DEVELOPMENT BY OTHERS

UPRR NEWHALL YARD AND CALTRAIN FACILITIES

CITY OF SAN JOSE
 CLARA



**BART EXTENSION PROJECT
PROPOSED P.E. ALIGNMENT
SHEET 1 OF 1
BART MAINTENANCE FACILITY LAYOUT**

PRELIMINARY ENGINEERING CONFIGURATION
Figure C-53

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.