



ATTACHMENT F:

VTA SIGNOFF FOR STORMWATER AND
LANDSCAPING DESIGN



VTA Signoff for Stormwater and Landscaping Design

Name of Project:

1) Phase of Design: 35%, 65%, 95%, As-Built Record Documents, or

Other: -----

2) Type of Right-of-Way (Select all that apply):

- VTA
- City
- County
- Caltrans
- Transit Oriented Joint Development (TOJD)
- Multi-Jurisdictional – check all that apply above

3) Reviewer Name:

VTA-CGP During-Construction Stormwater: Route to Remi Awosanya, VTA Construction Contract Compliance Officer

VTA-MS4 Post-Construction Stormwater: Route to Alex Nelson, MS4 Program Manager

4) During Construction Stormwater Best Management Practices (BMPs):

- Project disturbs **less than 1 acre (Refer to Template Tech Specs for ESCAPE)**:
 - Attach site plan and Temporary Water Pollution Control Drawings.
 - Attach (Permanent) Erosion Control drawings and/or integrate erosion control in Landscaping Drawings.
 - Include pay item for preparing the ESCAPE in Bid Form and Engineer's Estimate.
 - Include **unit** pay items for all measurable BMPs **installed** in Bid Form and Engineer's Estimate.
 - Include pay items for **maintaining** BMPs, by measurable **unit item** (i.e., by cubic yard of rock placed in a TC-1 Entrance/Exit) in Bid Form and Engineer's Estimate.
 - Include pay items for inspection and reporting to VTA (refer to **Appendix G** of VTA's contract specifications).
- Project disturbs **more than 1 acre (Refer to Template Tech Specs for SWPPP)**:
 - Complete and attach a preliminary calculation of project Risk Level (based on location and soil types).
 - Attach Temporary Water Pollution Control Drawings.
 - Attach (Permanent) Erosion Control drawings and/or integrate erosion control in Landscaping Drawings.



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- Include pay item for preparing the SWPPP in Bid Form and Engineer's Estimate.
- Include **unit** pay items for all measurable BMPs **installed** in Bid Form and Engineer's Estimate.
- Include pay items for **maintaining** BMPs, by measurable **unit item** (i.e., by cubic yard of rock placed in a TC-1 Entrance/Exit) in Bid Form and Engineer's Estimate.
- Include pay items for inspection and reporting in SMARTS (refer to **Appendix G** of VTA's contract specifications).
- Include pay items for filing the Notice of Termination in SMARTS.

5) Post-Construction Stormwater BMPs:

*Note: when calculating the applicable impervious area of a road project, include all roadway surfaces related to creation of additional traffic lanes (including, for example, passing lanes and turning pockets). Shoulders and widened portion of **existing** lanes may be excluded from the calculation.*

5a) Check reason **if exempt** from Post-Construction Stormwater Requirements:

***NOTE: if Caltrans project, skip to #5 (below)**

- i. Governing body/designee approved initiation of the project design prior to June 30, 2015.
The date for "initiation of design" for VTA projects is when the SAP budget charges against a design contract that advances the project forward. (*Attach schedule and budget showing design expenditures prior to 6/30/15, as proof of design initiation.*)
- ii. Less than 2,500 square feet impervious area are to be constructed or replaced.
- iii. Project consists of interior remodel or routine maintenance or repair such as roof or exterior surface replacement, pavement resurfacing, and repaving within the existing footprint.
- iv. Project is a Roads or Linear Underground and Overhead Project (LUP) and less than 5,000 square feet of contiguous impervious area are to be constructed or replaced, once the following are excluded from the tally of impervious area:
 - Sidewalks and bicycle lanes built as part of new streets or roads and built to direct stormwater runoff to adjacent vegetated areas.
 - Impervious trails built to direct stormwater runoff to adjacent vegetated areas or other non- erodible permeable areas, preferably away from creeks or towards the outboard side of levees.
 - Sidewalks, bicycle lanes, or trails constructed with permeable surfaces (pervious concrete, porous asphalt, unit pavers, or granular materials).
 - Trenching, excavation, and resurfacing associated with LUPs; pavement grinding and resurfacing of existing roadways and parking lots; construction of new sidewalks, pedestrian ramps, or bike lanes on



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existing roadways; and routine replacement of damaged pavement such as pothole repair or replacement of short, non-contiguous sections of roadway.

- v. Caltrans project is:
 - A Highway Facility project that creates <1 acre of new impervious surface.
 - A Non-Highway Facility project that creates <5,000 square feet of new impervious surface.

5b) If not exempt from Post-Construction Requirements, check stormwater permit(s) that apply:

- VTA - MS4 Section F
- City - MRP Section C.3
- County - MRP Section C.3
- Caltrans NPDES
- Transit Oriented Joint Development (TOJD) - MRP Section C.3
- Multi-Jurisdictional - check all that apply above

5c) Post-Construction Requirements: Compliance documentation (35%, 65%, and 95% Design)

The following documents show that the project meets all Phase II MS4 Permit Section F requirements, as outlined in the VTA Storm Water and Landscaping Design Criteria Manual:

**NOTE: if Caltrans project, skip to #4 (below)*

- i. If project is not a roads project and 2,500 square feet or more of impervious area, and less than 5,000 square feet, is to be constructed or replaced:
 - Attach Stormwater Control Plan and drawings with calculations. Use the template "Stormwater Control Plan and Checklist for Small Projects" from the Design Criteria Manual.
Date of plan: _____
 - Attach approved plant list.
 - Attach CADD-Manual compliant drainage and grading plans (native electronic file link/flash drive as well as .pdf copies).
- ii. If project is not a roads project and 5,000 or more square feet of impervious area is to be constructed or replaced:
 - Attach the Stormwater Control Plan and drawings with calculations. Use the template "Stormwater Control Plan and Checklist for Regulated



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Projects” from the Design Criteria Manual. **Date of plan:**

- Attach approved plant list.
- Attach CADD-Manual compliant drainage and grading plans (native electronic file link/flash drive as well as .pdf copies).
- iii. If project is a Roadway/LUP project with 5,000 square feet or more of impervious area:
 - Attach drawings/calculations documenting incorporation of USEPA’s *Managing Wet Weather with Green Infrastructure Municipal Handbook Green Streets* guidelines. **Date of drawings:** _____
 - Attach approved plant list.
 - Attach CADD-Manual compliant drainage and grading plans (native electronic file link/flash drive as well as .pdf copies).
- iv. If Caltrans project is a Highway Facility project that creates 1 acre or more of new impervious surface OR if Caltrans project is a Non-Highway Facility project that creates 5,000 square feet or more of new impervious surface:
 - Attach a Stormwater Data Report

FOR ALL PROJECTS:

- Attach **drawings** showing how all areas will achieve **temporary and final construction site stabilization** (during and after construction). Provide native electronic file link/flash drive as well as .pdf and Word copies.

65%, 95%, and Ready for Bid Reviews only, add the following:

- Attach all relevant water pollution control treatment features, drainage, and grading **specifications.**

95% and Ready for Bid Reviews only, add the following:

- Attach all relevant water pollution control treatment features, drainage and grading **estimate and bid items to be included in the estimate.**

Following construction:

- VTA PM to forward As-Build drawings to Compliance Officer and MS4 Program Manager.

After signing, please scan and email with Attachments



Prior to Construction Received/ Approved:

VTA Project Manager Signature & Date:

VTA Construction Contract Compliance Office Signature & Date:

VTA MS4 Program Manager & Date:

VTA STAFF: Complete and send all documentation to the VTA Construction Contract Compliance Officer for CGP and the MS4 Program Manager for MS4. Ensure that VTA GIS and Survey receive copies of all CADD files for drainage.

AFTER Construction: As-Built Record Drawings Received/ Approved:

VTA Project Manager Signature & Date:

VTA Construction Contract Compliance Office Signature & Date:

VTA MS4 Program Manager & Date:

VTA STAFF: Complete and send all documentation to the VTA Construction Contract Compliance Officer for CGP and the MS4 Program Manager for MS4. Ensure that VTA GIS and Survey receive copies of all CADD files for drainage.