ATTACHMENT N:

N2: ESCAPE TEMPLATE

Erosion and Sediment Control Action Plan Element

(ESCAPE)

for

CONTRACT NAME

CONTRACT Cxxxxxx

Prepared for

Remi Awosanya - Contracts Compliance Manager
The Santa Clara Valley Transportation Authority (VTA)
3331 North First Street, Bldg. B
San Jose, CA 95134

Santa Clara Valley Transportation Authority
Solutions that move you

Submitted by

Project Address

Start Date: _____

End Date: _____

These documents are available for review by any interested party during the normal working hours at:
[LOCATION]

[ADDRESS]

1. PROJECT INFORMATION

TABLE 1. PROJECT DETAILS	
TYPE OF PROJECT	[LANDSCAPING, CLEAR AND GRUB, FENCING, SIGNAGE, etc.,]
CONSTRUCTION LIMITS:	[FROM_]
DURATION:	[MONTH, YEAR]
START DATE:	[MONTH, DAY, YEAR]
END DATE:	[MONTH, DAY, YEAR]
OWNER DETAILS	
PROJECT OWNER:	Santa Clara Valley Transportation Authority (VTA)
ADDRESS:	3331 N. First Street San Jose, CA 95134
ATTN:	
PHONE:	
EMAIL:	
CONTRACTOR DETAILS	
CONTRACTOR:	[NAME]
ADDRESS:	
ATTN:	
PHONE:	
EMAIL:	

ESCAPE Certification:

I certify that the information provided in the Erosion and Sediment Control Action Plan Element (ESCAPE) is, to the best of my knowledge and belief, true, accurate, and complete and that it will be implemented throughout the project. I further certify that I will notify the VTA and submit revised information if any of the information or conditions documented in this ESCAPE change. I understand that there are significant penalties for submitting false information or for not implementing the ESCAPE. I will retain a copy of the ESCAPE at the project site.

Signature: _____

Print/ Type Name: _____

Title: _____

Date: _____

2. INTRODUCTION

The preparation of the ESCAPE is based on the principal of Best Management Practices (BMPs) to control and abate the discharge of pollutants in stormwater discharges. This ESCAPE is dynamic, viable, and will be modified and amended when there is a change in the construction or operations which may affect the discharge of stormwaters from the construction site.

3. PURPOSE

The purpose of this Erosion and Sedimentation Control Action Plan Element:

1. Identify pollutant sources that may affect the quality of discharges of stormwater associated with the construction activities of the project.

2. Identify, construct, and implement stormwater pollution prevention measures to reduce pollutants in stormwater discharges from the construction site during construction and post construction.

3. Document erosion control, sediment control, wind erosion, tracking control, and non-stormwater management, and waste management and pollution control. Abide by Best Management Practices (BMPs) that must be implemented year-round, as appropriate based on construction activities. The ESCACPE may require modification as the project progresses and as conditions warrant. All modifications to the approved ESCAPE must be submitted to VTA for review and approval.

4. If there is a lease of VTA property for construction purposes, then the termination of that lease is contingent on the close out of all stormwater/MS4 responsibilities as defined in the ESCAPE, objective below. A final walk through should be conducted with VTA MS4 and Real Estate staff to determine if water quality is protected i.e., the site is adequately stabilized and all materials and BMPs are removed.

4. OBJECTIVE

The objective of this ESCAPE is to minimize the degradation of off-site receiving waters, to the extent possible, by identifying, constructing, and implementing stormwater pollution prevention BMPs, before, during, and post-construction.

5. POLLUTANT SOURCE IDENTIFICATION.

1. List of hazardous materials, chemicals, and other pollutants:

TABLE 2. LIST OF SITE POLLUTANTS

CATEGORY	PRODUCT	POLLUTANTS
Streets and Utilities	Asphalt Paving, Solid and/or Sanitary Waste Concrete	Metals, synthetic organics, high pH runoff, Oil and grease, Nutrients, Gross pollutants

2. This ESCAPE includes a Water Pollution Control (WPC) Site Map as **Attachment A**.

6. BEST MANAGEMENT PRACTICES (BMP)

1. Erosion Control

Erosion control, also referred to as *soil stabilization*, consists of source control measures that are designed to prevent soil particles from detaching and becoming transported in stormwater

runoff. Erosion control BMPs protects the soil surface by covering and/or binding soil particles. This construction project will implement the practices below to provide effective temporary and final erosion control during construction (this includes wind erosion controls).

Refer to the CASQA Construction BMP Handbook for the applicable fact sheets and update the table as necessary.

TABLE 3. EROSION CONTROL BMPs	
BMPs	**State how BMP will be implemented or why BMP is not applicable to project**
☐ EC-1 SCHEDULING	
☐ EC-2 PRESERVATION OF EXISTING VEGETATION	
☐ EC-3 HYDRAULIC MULCH	
☐ EC-4 HYDROSEEDING	
☐ EC-5 SOIL BINDERS	
☐ EC-6 STRAW MULCH	
☐ EC-7 GEOTEXTILES & MATS	
☐ EC-8 WOOD MULCHING	
☐ WE-1 WIND EROSION CONTROL	

2. Sediment Controls

Sediment controls are temporary or permanent structural measures that are intended to complement the selected erosion control measures and reduce sediment discharges from active construction areas. Sediment controls are designed to intercept and settle out soil particles that have been detached and transported by the force of water. This construction project will implement the practices below to provide effective sediment control during construction (this includes track out controls).

Refer to the CASQA Construction BMP Handbook for the applicable fact sheets and update the table as necessary.

TABLE 4. SEDIMENT CONTROL BMPs	
BMPs	**State how BMP will be implemented or why BMP is not applicable to project**
☐ SE-1 SILT FENCE	
☐ SE-4 CHECK DAMS	
☐ SE-5 FIBER ROLLS	
☐ SE-6 OR SE-8 GRAVEL/SANDBAG BERMS	
☐ SE-7 STREET SWEEPING AND VACUUMING	
☐ SE-10 STORM DRAIN INLET PROTECTION	
☐ TC-1 STABILIZED CONSTRUCTION ENTRANCE/ EXIT	

3. Non-Stormwater Controls and Management

All construction equipment utilized on-site shall be regularly inspected for leaks and repaired immediately. Petroleum distillate fueled and lubricated equipment shall be properly maintained to prevent leakage of such materials. Servicing of such equipment shall be performed in such a manner that all petroleum distillate materials do not come into contact with the ground and shall be disposed of properly offsite.

Non-stormwater management at this site includes prevention of contamination from the following sources: *Update based on project-specific information.*

- Vehicle fluids, including oil, grease, petroleum, and coolants;
- Vehicle equipment and wash water;
- Asphaltic emulsions associated with asphalt-concrete paving operations;
- Chemical curing compounds and cure water from concrete curing;
- Concrete washout water;
- Water and solid waste from concrete finishing;
- Paints, solvents, thinners, acids;
- Accumulated sediment from dewatering operations;
- Portable toilet waste; and
- General litter.

This construction project will implement the practices below to provide effective non-stormwater control during construction.

Refer to the CASQA Construction BMP Handbook for the applicable fact sheets and update the table as necessary.

TABLE 5. NON-STORMWATER CONTROL BMPs	
BMPs	**State how BMP will be implemented or why BMP is not applicable to project**
☐ NS-1 WATER CONSERVATION PRACTICES	
☐ NS-2 DEWATERING OPERATIONS	
☐ NS-3 PAVING AND GRINDING OPERATIONS	
☐ NS-4 TEMPORARY STREAM CROSSING	
☐ NS-5 CLEAR WATER DIVERISON	
☐ NS-6 ILLICIT CONNECTION/ DISCHARGE	
☐ NS-7 POTABLE WATER/IRRIGATION	
☐ NS-8 VEHICLE AND EQUIPMENT CLEANING	
☐ NS-9 VEHCILE AND EQUIPMENT FUELING	

☐ NS-10 VEHICLE AND EQUIPMENT MAINTENANCE	
☐ NS-12 CONCRETE CURING	
☐ NS-13 CONCRETE FINISHING	
☐ NS-14 MATERIAL OVER WATER	
☐ NS-15 DEMOLITION ADJACENT TO WATER	

4. Waste Management and Materials Pollution Control

Materials management control practices consist of implementing procedural and structural BMPs for handling, storing, and using construction materials to prevent the release of those materials into stormwater discharges. The amount and type of construction materials to be utilized at the Site will depend upon the type of construction and the length of the construction period. The materials may be used continuously, such as fuel for vehicles and equipment, or the materials may be used for a discrete period, such as soil binders for temporary stabilization. This construction project will implement the practices below to provide effective waste management during construction.

Refer to the CASQA Construction BMP Handbook for the applicable fact sheets and update the table as necessary.

TABLE 6. WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs	
BMPs	**State how BMP will be implemented or why BMP is not applicable to project**
☐ WM-1 MATERIAL DELIVERY AND STORAGE	
☐ WM-2 MATERIAL USE	
☐ WM-3 STOCKPILE MANAGEMEMT	
☐ WM-4 SPILL PREVENTION AND CONTROL	
☐ WM-5 SOLID WASTE MANAGEMENT	
☐ WM-6 HAZARDOUS WASTE MANAGEMENT	
☐ WM-7 CONTAMINATED SOIL MANAGEMENT	
☐ WM-8 CONCRETE WASTE MANAGEMENT	
☐ WM-9 SANITARY/SEPTIC WASTE MANAGEMENT	
☐ WM-10 LIQUID WASTE MANAGEMENT	

5. Waste Disposal

All wastes, including waste oil and other equipment wastes, shall be disposed of off-site in compliance with federal, state, and local regulations. Proper disposal of construction related wastes and equipment wastes is the responsibility of the contractor. Contractor is required to submit detailed information regarding waste management and disposal.

7. SPILL PREVENTION AND ACCIDENTAL DISCHARGES

Accidental discharges can be the greatest cause of pollution of the stormwater discharges. All emergency spill controls and measures shall be performed as follows:

Update based on project-specific information including spill kit location, worker training, and phone numbers for local spill control emergency responders in the event of a larger spill.

1. Notify the Resident Engineer/Inspector immediately.
2. Contain the spread of spills.
3. If the spills occur on paved or impermeable surfaces, clean them up using "dry" methods (absorbent materials, cat litter, and/or rags). Contain the spills by encircling with absorbent materials and do not let them spread widely.
4. Handle, store, and dispose of soiled/spent absorbent materials in accordance with applicable laws.

Non-stormwater discharges and spills that reach the storm drain must be reported to the VTA Compliance Officer and may require further reporting to the VTA Stormwater Program, Regional Water Quality Control Board, and/or California Department of Fish and Wildlife by VTA.

8. MAINTENANCE, INSPECTION REPORTS, AND BMP REPAIR

All ESCAPE Inspections will be captured in the CloudCompli (www.cloudcompli.com) inspection software within 24-hours of performing the inspection. Contractor will purchase licenses at a cost of $1,200 per user per year from CloudCompli as necessary to meet this requirement, so they can be given a log-on identification and password to access the VTA's CloudCompli project dashboard. All (Verify frequency with the VTA Compliance Officer) site inspections, daily visual monitoring of track-out and trash areas, and BMP inspections before and after a storm event, are required. All deficiencies must be corrected within 72-hours.

Contractor is responsible for implementation of the ESCAPE. VTA will oversee compliance. Many of the storm pollution control BMPs require ongoing inspection, maintenance and repair to function properly.

9. RECORD KEEPING AND REPORTING

All ESCAPE amendments will be submitted to VTA for approval prior to incorporation.

During the course of construction, unanticipated changes may occur, such as schedule changes, phasing changes, and staging area modifications. The ESCAPE must be revised to reflect these changes and must also be revised when a new BMP is needed. All revisions will be submitted to VTA for approval prior to incorporation.

All monitoring reports will performed and made available in CloudCompli.

10. PROJECT COMPLIANCE PERMITS AND SPECIFICATIONS

Include a list and attach any applicable permits that are required for this project.

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ATTACHMENT A

Temporary Water Pollution Control Drawings (WPCD) & Details

The ESCAPE includes Temporary Water Pollution Control Drawings/Site Plan/Layout Sheets (Designer to customize the following list as applicable for the project.) as **Attachment A** that shows the following:

- ❑ Areas of soil disturbance and stock piles
- ❑ Drainage patterns before and after construction (i.e. gutter, inlets…)
- ❑ Locations of erosion controls such as: bonded fiber matrix, erosion control blanket, etc.
- ❑ Locations of sediment controls such as: silt fence, fiber rolls, sandbags, drain inlet protection, concrete washouts, check dams, rock entrance/exit, etc.
- ❑ Areas and plan for material storage and concrete washouts.
- ❑ Staging, trailer, and construction equipment locations.
- ❑ Locations of any leased portions of VTA property for staging or trailers if not associated with the project locations.
- ❑ Show on the plan sheet(s) the locations of proposed final stabilization BMPs and post construction stormwater treatment.

Contractor to update for specific means and methods. Use red pen or PDF editor to show contractor's edits to the locations of proposed temporary construction activity BMPs. Some BMPs may be included as notes on the site plan.