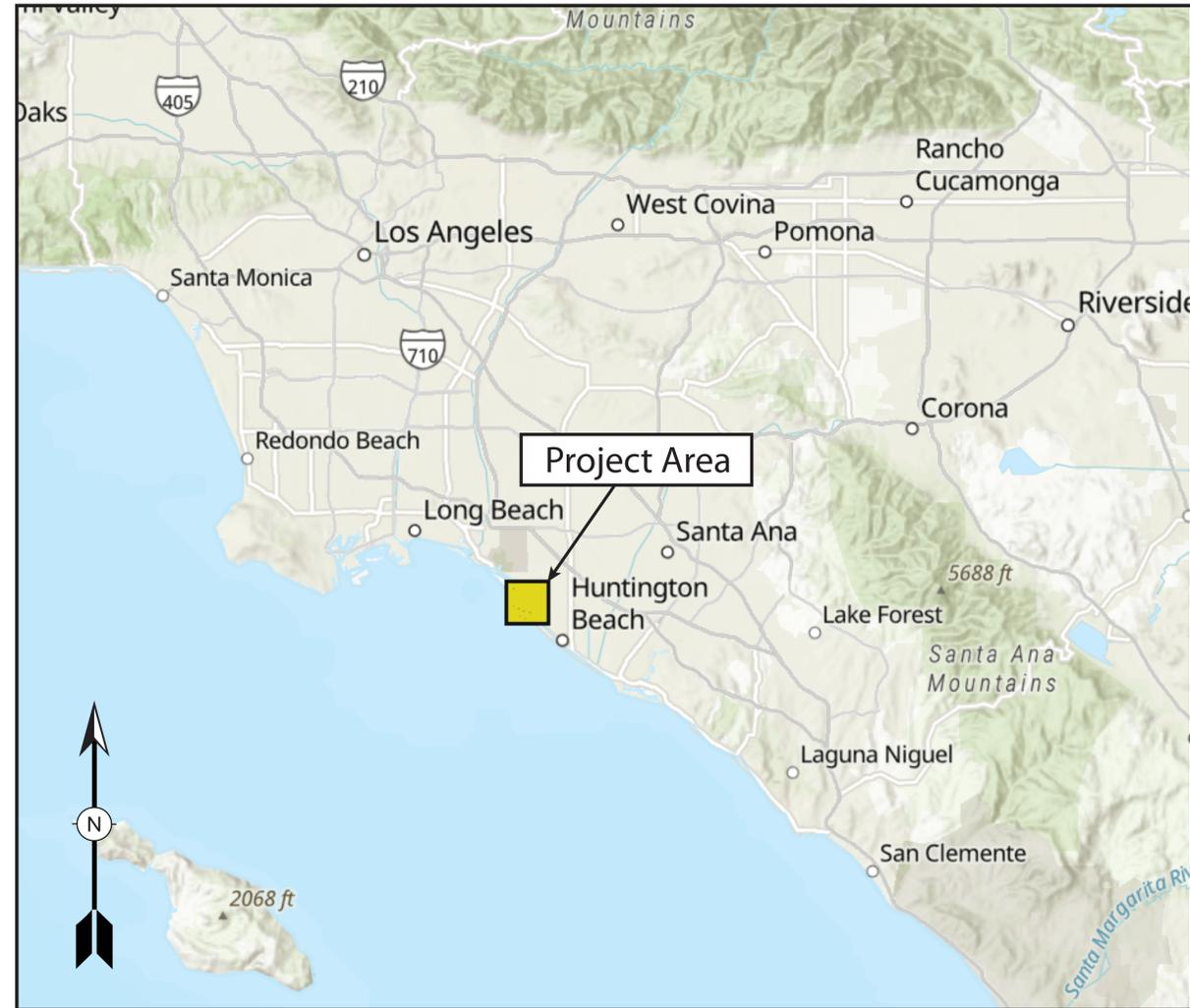


WATER POLLUTION CONTROL DRAWINGS (WPCDs) BLUFF TOP SLOPE REPAIR

PROJECT LOCATION MAP



GENERAL NOTES

- Erosion control BMPs shall be implemented and maintained to minimize and/or prevent the entrainment of soil in runoff from disturbed soil areas on construction sites.
- Sediment control BMPs shall be implemented and maintained to prevent and/or minimize the transport of soil from the construction site.
- Stockpiles of soil shall be properly contained to eliminate or reduce sediment transport from the site to streets, drainage facilities or adjacent properties via runoff, vehicle tracking or wind.
- Appropriate BMPs for construction-related materials, wastes, spills or residues shall be implemented to eliminate or reduce transport from the site to streets, drainage facilities or adjoining properties by wind or runoff.
- Runoff from equipment and vehicle washing shall be contained at construction sites and must not be discharged to receiving waters or the local storm drain system. Washwaters or rinsate from ready mix, concrete, or cement vehicles must be handled appropriately and may not be discharged to receiving waters or any storm drain system.
- All construction contractor and subcontractor personnel are to be made aware of the required best management practices and good housekeeping measures for the project site and any associated construction staging areas.
- At the end of each day of construction activity all construction debris and waste materials shall be collected and properly disposed in trash or recycle bins.
- BMPs shall be maintained at all times. In addition, BMPs shall be inspected prior to predicted storm events and following storm events.
- Construction sites shall be maintained in such a condition that a storm does not carry wastes or pollutants off the site. Discharges other than stormwater (non-stormwater discharges) are prohibited, except as authorized by an individual NPDES permit or the State-wide General Permit for Storm Water Discharges Associated with Construction Activity. Potential pollutants include but are not limited to: solid or liquid chemical spills; wastes from paints, stains, sealants, solvents, detergents, glues, lime, pesticides, herbicides, fertilizers, wood preservatives and asbestos fibers; paint flakes or stucco fragments; fuels, oils, lubricants and hydraulic, radiator or battery fluids; concrete and related cutting or curing residues; floatable wastes; wastes from engine/equipment steam cleaning or chemical degreasing; wastes from street cleaning; and super-chlorinated potable water from line flushing and testing. During construction, disposal of such materials should occur in a specified and controlled temporary area onsite physically separated from potential stormwater runoff, with ultimate disposal in accordance with local, State and Federal requirements.
- Discharging contaminated groundwater produced by dewatering groundwater that has infiltrated into the construction site is prohibited. Discharging of contaminated soils via surface erosion is also prohibited.
- The Contractor is required to notify and obtain approval from the City ten (10) days prior to any non-stormwater discharge or dewatering associated with Contractor's construction activities.
- Construction sites shall be managed to minimize the exposure time of disturbed soil areas through phasing and scheduling of grading to the extent feasible and the use of temporary and permanent soil stabilization.

LEGEND CASQA BMPs

Run-On Sampling Location	EC-16 Non-Vegetative Stabilization	TC-01 Stabilized Const. Entrance
Discharge / Sampling Location	Staging/Laydown Area (NS-08-10, WM-01-04)	TC-02 Stabilized Const. Roadway
Flow of Water	NS-9 Fuel Storage	WE-01 Wind Erosion Control
Rain Gauge	SE-01 Silt Fencing	WM-03 Stockpile Manag. Zone
Work Zone	SE-04 Check Dam	WM-04 Spill Kit Location
SE-02 Sediment Basin	SE-05 Fiber Rolls	WM-05, 06, 07 Hazardous Materials
EC-04 Hydroseed	SE-06 Gravel Bag Berm	WM-08 Concrete Waste
EC-05 Soil Binders	SE-07 Street Sweeping	WM-09 Portable Bathrooms
EC-07 Geotextiles and Mats	SE-10 Drain Inlet Protection	WM-1 Waste Management Storage
	EC-10 Drain Outlet Protection	

NOTES

- All areas of soil disturbance will incorporate multiple BMPs in active work areas. These BMPs will vary depending on the location and geography of the site. All exposed materials will be protected at the end of each work day and stabilization will occur as work progresses along the alignment.
- The following items may be used during work, but are not graphically illustrated as they will progress as the active work zone moves:** EC-1 Scheduling, EC-16 Non-veg Stabilizers, NS-1 Water Conservation Practices, NS-2 Dewatering, NS-6 Illicit Discharge Reporting, WM-2 Material Use, WM-4 Spill Control, WM-5 Solid Waste Management, WM-9 Portable Toilet, SE-7 Street Sweeping (as needed), WE-1 Wind Erosion Control
- General Notes for Work Areas During Project:**
 - If any stockpiling of material is required for the project, at the end of each day stockpiles shall be covered and contained via fiber rolls.
 - All equipment shall be parked as far as possible from drain inlets and fiber rolls will be placed around equipment at the end of each day.
 - All drain inlets will be protected in an area where work is being performed.
 - All exposed slopes left inactive for more than 10 days shall be stabilized using BFM
 - Spill kits will be available on-site near equipment for rapid response to spill clean up.

BLUFF TOP SLOPE REPAIR



Wright Construction Engineering Corp.
2625 S. Santa Fe Ave., San Marcos CA 92069

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17371 Gothard St, Huntington Beach, CA 92647



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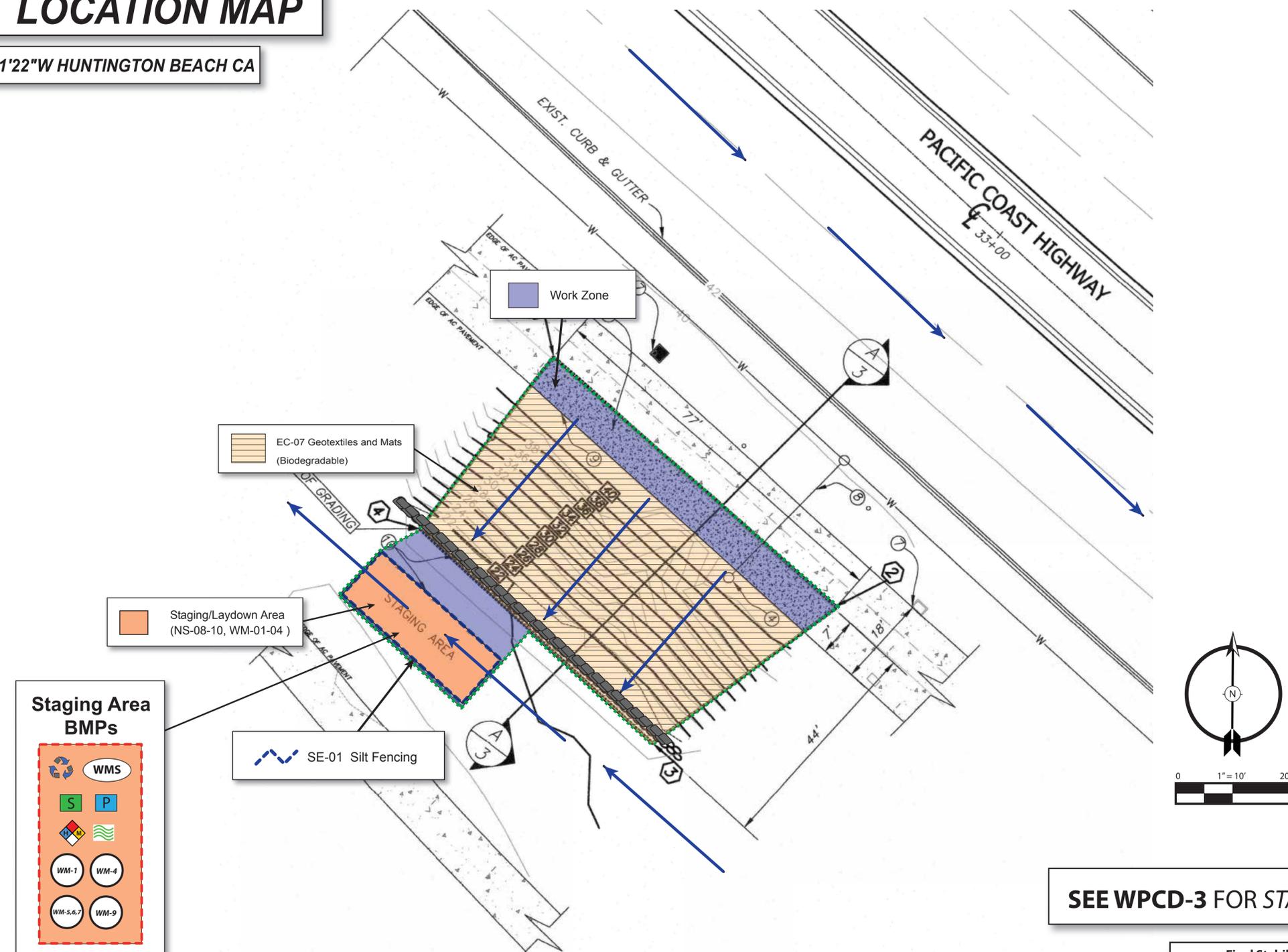
WPCD SHEET: 1 of 3

WPCD - 1

PROJECT LOCATION MAP

33°40'19"N 118°01'22"W HUNTINGTON BEACH CA

All drain inlets within the vicinity and downstream of the work area will be protected.



Staging Area BMPs

- WMS (Waste Management Storage)
- S (Spill Kit Location)
- P (Portable Bathrooms)
- WM-1, WM-4, WM-5,6,7, WM-9

LEGEND

CASQA BMPs						
Construction Site Boundaries	Run-On Sampling Location	SE-02 Sediment Basin	EC-03 Hydrolic Mulch	SE-04 Check Dam	SE-10 Drain Inlet Protection	TC-01 Stabilized Const. Entrance
Flow of Water	Discharge/ Sampling Location	EC-04 Hydroseed	EC-10 Drain Outlet Protection	SE-05 Fiber Rolls	NS-03 Paving/Grinding Operations	Staging/Laydown Area (NS-08-10, WM-01-04)
Rain Gauge	Work Zone	EC-05 Soil Binders	SE-01 Silt Fencing	SE-07 Street Sweeping	NS-12 Concrete Curing	WE-01 Wind Erosion Control
WM-04 Spill Kit Location	WM-09 Portable Bathrooms	WM-03 Stockpile Manag. Zone	WM-08 Concrete Waste	MW-1 Waste Management Storage	WM-05, 06, 07 Hazardous Materials	SE-06 Gravel Bag

Final Stabilization BMPs for Disturbed Soil Areas

The following BMPs may be used on inactive exposed soil areas as final stabilization in combination with required planting and post-construction revegetation.

- EC-03 Hydro-mulch
- EC-05 Soil Binders
- EC-07 Geotextiles and Mats (Biodegradable)
- SE-05 Fiber Rolls (Burlap Wrapped)

BLUFF TOP SLOPE REPAIR



Wright Construction Engineering Corp.
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WPCD SHEET: 2 of 3

WPCD - 2

STAGING AREA LOCATION

33°40'19"N 118°01'22"W HUNTINGTON BEACH CA

All drain inlets within the vicinity and downstream of the work area will be protected.



Staging Area BMPs

LEGEND

CASQA BMPs					
Construction Site Boundaries	Run-On Sampling Location	SE-02 Sediment Basin	EC-03 Hydrolic Mulch	SE-04 Check Dam	SE-10 Drain Inlet Protection
Flow of Water	Discharge/ Sampling Location	EC-04 Hydroseed	EC-10 Drain Outlet Protection	SE-05 Fiber Rolls	NS-03 Paving/Grinding Operations
Rain Gauge	Work Zone	EC-05 Soil Binders	SE-01 Silt Fencing	SE-07 Street Sweeping	NS-12 Concrete Curing
WM-04 Spill Kit Location	WM-09 Portable Bathrooms	WM-03 Stockpile Manag. Zone	WM-08 Concrete Waste	MW-1 Waste Management Storage	NS-13 Concrete Finishing
				WM-5, 06, 07 Hazardous Materials	TC-01 Stabilized Const. Entrance
					Staging/Laydown Area (NS-08-10, WM-01-04)
					WE-01 Wind Erosion Control
					SE-06 Gravel Bag

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WPCD SHEET: 3 of 3

WPCD - 3