SANDIA CREEK ROAD BRIDGE REPLACEMENT

WATER POLLUTION CONTROL PLAN

Full Size = 22" x 34", Half Size = 11" x 17"

GRAPHIC SCALE

EROSION CONTROL KEY NOTES:
- Black = Erosion control requirements
- Red = Implementation requirements

1. ALL DISTURBED AREAS SHALL BE HYDROSEEDED.
2. CONTRACTOR TO PROVIDE CONCRETE WASH OUT FACILITY (CSP)
3. WHERE SILT FENCE CROSSES BEDROCK, 18" LATH STAKES AND INSTALL GRAVEL BAGS 4' HIGH WITH SILT FENCE SECURED UNDER GRAVEL BAGS AND TOPS OF BAGS STAKED TO BOTTOM STAKES.
4. STEAK TO BE POSITIONED OUTSIDE OF FENCE.
5. JOINING SECTION STAKES TO OVERLAP WITH FENCE FABRIC FOLDED AROUND EACH STAKE ONE FULL TURN. SECURE FABRIC TO STAKE WITH 4 STAPLES.
6. STAKES TO BE DRIVEN TIGHTLY TOGETHER TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT JOINT. TOPS OF STEAKS TO BE SECURED WITH WIRE.
7. FOR END STAKES, FENCE FABRIC SHALL BE FOLDED AROUND TWO STEAKS ONE FULL TURN AND SECURED WITH 4 STAPLES.
8. MINIMUM 4 STEAKS PER STEAK, EQUALLY SPACED.
9. MAINTENANCE OPENING SHALL BE CONSTRUCTED IN A MANNER TO ENSURE SEGMENT REMAINS BEHIND SILT FENCE.
10. CONTRACTOR SHALL PROVIDE A WARNING TAG/STICK TO INDICATE LOCATION OF MAINTENANCE OPENINGS.
11. GRAVEL BAG ROWS AND LAYERS SHALL BE OFFSET TO ELIMINATE GAPS.
12. NO WORK HAVING POTENTIAL TO CAUSE WATER POLLUTION, AS DETERMINED BY THE ENGINEER, SHALL BE PERFORMED UNTIL THE WATER POLLUTION CONTROL PLAN (WPCP) HAS BEEN APPROVED BY THE ENGINEER.
13. THE CONTRACTOR SHALL CONSIDER OTHER CONTROL MEASURES, AS APPROPRIATE, TO ENSURE STABILITY OF EROSION CONTROL MEASURES SHOWN ON THESE PLANS, TO MEET THE WATER POLLUTION CONTROL OBJECTIVES.
14. MAINTENANCE OF FENCE FABRIC SUBSEQUENT TO INITIAL INSTALLATION, OTHER THAN OTHERWISE SPECIFIED.
15. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES AND INSTALL NEW DEVICES AS NEEDED.
16. CONTRACTOR SHALL REMOVE ALL IMPACTS FROM SITE UPON COMPLETION OF PROJECT AS DIRECTED BY THE ENGINEER.
17. CONTRACTOR SHALL PLACE GRAVEL BAG BERS AT THE TOE OF ALL TEMPORARY SLOPES.
18. ALL DISTURBED AREAS WITHIN THE PIA, EXCLUDING ROADS, SHALL BE COVERED WITH TYPE D EROSION CONTROL MATERIALS.
19. THIS PLAN IS A REPRESENTATION ON THE MINIMUM REQUIREMENTS FOR A WPCP. CONTRACTOR SHALL PREPARE AND IMPLEMENT THEIR PROJECT SPECIFIC WPCP PLAN IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES AND LIMITS SHOWN IN THE WPCP AND PROJECT SWPPP.
21. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE PLAN WHICH INTERFERE WITH THE GRADING WORK SHALL BE LOCALLY MODIFIED AS AND WHEN THE OSP, COUNTY INSPECTOR OR OWNER DIRECTS, AS THE WORK PROGRESSES TO MEET "AS DRAINED" CONDITIONS.
22. ALL LOOSE SOIL AND DIRT SHALL BE REMOVED FROM THE STORAGE AREAS UPON COMPLETION OF EROSION CONTROL OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED.
23. EXCEPT WHEN THE OSP, COUNTY, OR OWNER DIRECTS, THE STORAGE AREA SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST, AND SHALL BE MAINTAINED DURING THE RAINY SEASON.
24. GRAVEL BAGS SHALL BE STOCKPILED ON SITE, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE OWNER SO DIRECTS.
25. A "STANDBY EMERGENCY CREW" SHALL BE ALERTED BY THE PERMITTEE OR THE CONTRACTOR TO PERFORM EMERGENCY WORK DURING RAINSTORMS.
26. THE CONTRACTOR SHALL MONITOR THE WEATHER FORECAST, AS REQUIRED BY THE PROJECT SWPPP. IF PRECIPITATION IS PROJECTIONS IN THE FORECAST TO BE OF OCCURRENCE, THE CONTRACTOR SHALL TAKE MEASURES TO MITIGATE THE WORK STOPPAGE DUE TO THE RAIN EVENT. THE CONTRACTOR SHALL LIMIT THE WORK THAT CAN ONLY BE PERFORMED WITHIN THE WORK DAY. EXPOSED EXCAVATIONS OR TRENCHES SHALL BE COVERED AND PROTECTED FROM WATER CONTactor SHALL GRADE AREAS SUCH THAT WATER DRAWS AWAY FROM WORK AREA.
27. CONTRACTOR SHALL INSTALL A TEMPORARY CONSTRUCTION ROADWAY (TC-2) OR GRAVEL BAGS (TC-16) IN ORDER TO PREVENT THE OUTFLOWING OF SEEDMENT IF THE PROJECT OSP LOCALLY MODIFIES THE REQUIREMENTS SHOWN ON THESE PLANS.
28. CONTRACTOR SHALL INSTALL PERMITTER FENCING AROUND WORK AREA IN CONFORMANCE WITH 2009 CASDA STORMWATER BMP MANUAL, SECTION NE-1. FENCING SHALL BE CHAIN LINK, AT MINIMUM 48" HIGH AND SHALL HAVE FENCE FABRIC ATTACHED.

Design: RO  Scale: AS SHOWN

SANDIA CREEK ROAD BRIDGE REPLACEMENT

Full Size = 22" x 34", Half Size = 11" x 17"
TRAFFIC CONTROL NOTES:

1. Contractor shall maintain access to existing structure for traffic during construction.
2. Contractor shall maintain access to existing bridge and hiking trail parking area at all times.
3. Refer to construction phasing plans for phases of construction and additional traffic control requirements.
4. Contractor shall provide flag personnel during all operations requiring the public roadway.
5. Existing traffic signs to remain in place, except for speed limit signs within construction zone.

TRAFFIC CONTROL KEY NOTES:

1. Install W20-1 sign as shown (150' do to before construction area)
2. Install W13-1 sign as shown
3. Install G20-2 as shown

LEGEND:

EXISTING ROADWAY SHALL REMAIN OPEN TO TRAFFIC DURING PROPOSED BRIDGE CONSTRUCTION

EXISTING PARKING AREA TO HIKING TRAILS

MAIN ACCESS TO PARKING AREA AT ALL TIMES

TRAFFIC SIGN

GRAPHIC SCALE

Full Size = 22" x 34", Half Size = 11" x 17"
LEGEND:

SOUTH WING WALLS GRADING

NORTH WING WALLS GRADING

EXISTING MIXING TRAILS PARKING AREA

MATCH EXISTING

MATCH EXISTING STA 21 + 49.57

VEGETATED SWALE, SEE SHEET C13 DETAIL 1

SANDIA CREEK ROAD BRIDGE REPLACEMENT

GRADED SCOUR HOLE (IN CHANNEL)

SAFETY TRENCH

SANDE GREAT"ROWN ROAD BRIDGE REPLACEMENT

FULL SIZE = 22" x 34", Half Size = 11" x 17"

1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600   Fax (206) 382-0500

FIRST IMPROVEMENT PLAN SUBMITTAL - NOT FOR CONSTRUCTION
1. BUILD AND VEGETATE SWALE AS EARLY AS POSSIBLE TO ESTABLISH PLANTINGS BEFORE DIRECTING STORMWATER Runoff TO IT OR DIRECT STORMWATER AROUND IT.

2. DURING INSTALLATION, DISTURB NATIVE SOILS AS LITTLE AS POSSIBLE.

3. REPAIR, SEED, OR RE-PLANT DAMAGED AREAS IMMEDIATELY.

4. VEGETATED SWALES SHALL NOT BE LOCATED ON SLOPES GREATER THAN 5:1.

5. THE SWALE SHALL BE VEGETATED WITH A MIX OF EROSION-RESISTANT PLANT SPECIES THAT EFFECTIVELY BIND THE SOIL. PROPOSED VEGETATION SHOULD COMPLY WITH THE FOLLOWING SPECIFICATIONS:
   a. VEGETATION SHOULD BE NATIVE OR ADAPTED GRASSES PER COUNTY OF SAN DIEGO BMP DESIGN MANUAL. SUITABLE PLANT TYPES CAN ALSO BE FOUND AT HTTP://CALIFLORA.ORG.
   b. VEGETATIVE COVER SHOULD BE AT LEAST 4" IN HEIGHT; 6" IS PREFERRED.
COUNTY TRAILS PROGRAM
COMMUNITY TRAIL MASTER PLAN

TYPE B – RURAL TRAIL

Trail type intended for intermediate use generally associated with a rural setting. These trails are intended to function as recreation and transportation facilities. Although accessible to all trail users, some areas may not be practical in steep terrain.

LEGEND:

1. TRAIL MARKER
2. TRAIL MARKER
3. TRAIL MARKER
4. TRAIL MARKER
5. TRAIL MARKER
6. TRAIL MARKER
7. TRAIL MARKER
8. TRAIL MARKER

NOTE:

1. Additional Trail Markers as shown on Trail Location Plan.
2. Trail Markers may be alternated at the discretion of the County.
3. Trail Markers may be installed at the discretion of the County.
4. Trail Markers may be alternated at the discretion of the County.
5. Additional Trail Markers as shown on Trail Location Plan.
6. Trail Markers may be alternated at the discretion of the County.
7. Trail Markers may be alternated at the discretion of the County.
8. Additional Trail Markers as shown on Trail Location Plan.

FIGURE 14-1

Design and Construction Guidelines

CLEANOUTS, OBSERVATION WELLS, & DYE-PLANT RIDERS ADJACENT TO BMP LIMITS

CLEANOUTS OBSERVATION WELLS

SAN DIEGO COUNTY DESIGN STANDARD

NO. DATE BY REASON

SANDIA CREEK ROAD BRIDGE REPLACEMENT

DETAILS

FIRST IMPROVEMENT PLAN SUBMITTAL - NOT FOR CONSTRUCTION