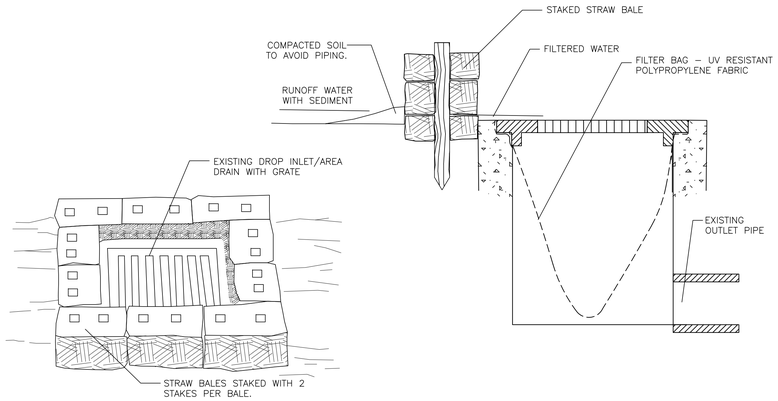


NOTES:
1. BALES SHALL BE EITHER WIRE–BOUND OR STRING–TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
2. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET WITH THE ENDS OF ADJACENT BALES PASSED TOGETHER.
3. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED AROUND THE INLET THE WIDTH OF A BALE TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
4. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
5. LOOSE STRAW SHALL BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.
6. GRAVEL– OR SAND–FILLED BAGS MAY BE USED IN LIEU OF STRAW BALES. STACK A MINIMUM OF 2 BAGS HIGH AND A MAXIMUM OF 3 BAGS HIGH. BURY BOTTOM BAG 1/2 OF BAG HEIGHT IN UNPAVED AREAS.
7. REMOVE ALL ELEMENTS OF STORM DRAIN INLET PROTECTION AT COMPLETION OF CONSTRUCTION.

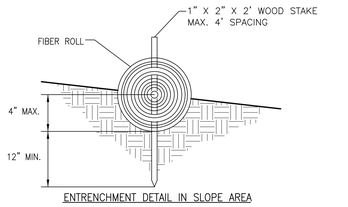
B1 STORM DRAIN INLET PROTECTION
NOT TO SCALE

BEST MANAGEMENT PRACTICES TABLE

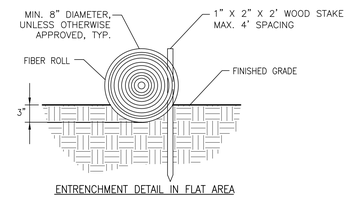
BEST MANAGEMENT PRACTICE	LOCATION	IMPLEMENTATION SCHEDULE	MAINTENANCE SCHEDULE
PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING EXISTING VEGETATION TO PREVENT EROSION AND FILTER OUT SEDIMENT IN RUNOFF FROM DISTURBED AREAS ON THE CONSTRUCTION SITE. INSPECT SITE PERIMETER MONTHLY TO VERIFY THAT OUTSIDE VEGETATION IS NOT DISTURBED.
PROTECT GRADED AREAS AND SLOPES FROM WASHOUT AND EROSION	THROUGHOUT PROJECT SITE	DURING WET SEASON	INSPECT GRADED AREAS AND SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. REGRADE TRIBUTARY AREAS OR INSTALL STRAW BALE OR SAND BAG DIKES AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE DURING WET SEASON UNTIL ON–SITE ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE SEDIMENT DEPOSITED BEHIND BERM OR BARRIER TO MAINTAIN EFFECTIVENESS.
INLET FILTERS	INLETS TO THE STORM DRAINAGE SYSTEM	CONTINUOUS UNTIL LANDSCAPING IS IN PLACE	INSPECT AFTER EACH STORM. REMOVE SEDIMENT DEPOSITED BEHIND BAGS & FIBER ROLL WHENEVER NECESSARY TO MAINTAIN EFFECTIVENESS.
FIBER ROLL	AS SHOWN ON PLANS	DURING WET SEASON	
HYDROSEEDING	2:1 SLOPES AND AS INDICATED	IN PLACE DURING WET SEASON	INSPECT SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. IF EROSION IS NOTED, SPREAD STRAW MULCH OVER AFFECTED AREAS.
STABILIZED CONSTRUCTION SITE ACCESS	ENTRANCES TO SITE FROM PUBLIC ONSITE ROADWAYS	CONTINUOUS UNTIL ENTRANCES AND ON–SITE ROADWAYS ARE PAVED	INSPECT AT THE BEGINNING OF WET SEASON AND ON AT LEAST A MONTHLY BASIS THEREAFTER. ADD AGGREGATE BASE MATERIAL WHENEVER NECESSARY TO PREVENT SEDIMENT FROM BEING TRACKED INTO PUBLIC STREET.
WIND EROSION CONTROL PRACTICES	WHEREVER NECESSARY THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL GRADING IS COMPLETED AND SOILS HAVE STABILIZED	INSPECT SITE DURING WINDY CONDITIONS TO IDENTIFY AREAS WHERE WIND EROSION IS OCCURRING AND ABATE EROSION AS NECESSARY.
GOOD HOUSEKEEPING MEASURES	THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A MONTHLY BASIS TO VERIFY GOOD HOUSEKEEPING PRACTICES ARE BEING IMPLEMENTED.
PROPER CONSTRUCTION MATERIAL STORAGE	THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A MONTHLY BASIS TO VERIFY THAT CONSTRUCTION MATERIALS ARE STORED IN A MANNER WHICH COULD NOT CAUSE STORMWATER POLLUTION.
PROPER CONSTRUCTION WASTE STORAGE AND DISPOSAL	THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A WEEKLY BASIS TO ASSURE WASTE IS STORED PROPERLY AND DISPOSED OF AT LEGAL DISPOSAL SITE.
SPILL CLEANUP	MATERIAL HANDLING AREAS	IMMEDIATELY AT TIME OF SPILL	INSPECT MATERIAL HANDLING AREAS ON AT LEAST A MONTHLY BASIS TO VERIFY PROPER SPILL CLEANUP.
STREET AND STORM DRAINAGE FACILITY MAINTENANCE	STREETS AND STORM DRAINAGE FACILITIES	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	MAINTAIN STORM DRAINAGE FACILITIES AND PAVED STREETS CLEAR OF SEDIMENT AND DEBRIS.

DEFINITIONS:

1. WET SEASON: ENTIRE PERIOD BETWEEN OCTOBER 1 THROUGH APRIL 30. CONTRACTOR SHALL ALSO IMPLEMENT WET SEASON MEASURES IF WET WEATHER IS EXPECTED DURING THE DRY SEASON.
2. PHASE OF GRADING:
   ROUGH: WHEN CUT AND FILL ACTIVITIES OCCUR AND THE SITE IMPROVEMENTS ARE CONSTRUCTED, INCLUDING UNDERGROUND PIPING, STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS.
   FINAL: WHEN FINAL ELEVATIONS ARE SET, AND SITE IMPROVEMENTS ARE COMPLETED AND READY FOR OWNER ACCEPTANCE.



ENTRENCHMENT DETAIL IN SLOPE AREA



ENTRENCHMENT DETAIL IN FLAT AREA

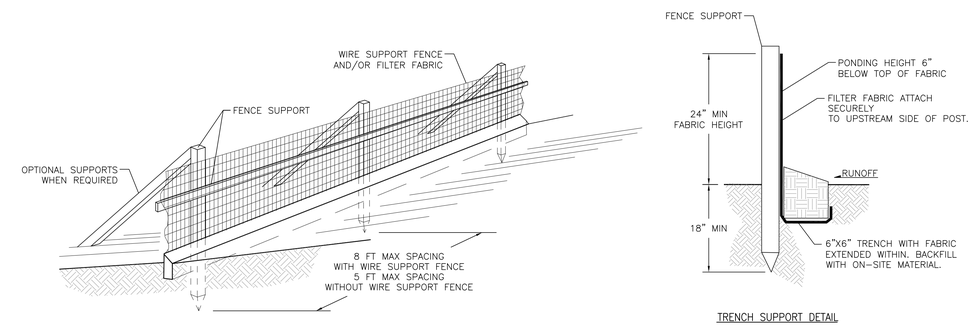
TYP. FIBER ROLL INSTALLATION

1. FOLLOW MFR'S RECOMMENDATIONS FOR PLACEMENT OF STAKES (4' SPOIL MIN. UNLESS OTHERWISE APPROVED).
2. ALL SOIL PILES SHALL BE SURROUNDED BY STAKED FIBER ROLL.

NOTES:

1. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING OR SLUMPING FIBER ROLLS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, FOLLOW RAIN EVENTS AND AT LEAST DAILY DURING PROLONGED RAINFALL. PERFORM REQUIRED MAINTENANCE.
3. IF NOT EXCESSIVELY SOILED, ROLLS MAY BE REMOVED, REPLACED AND REUSED.
4. NO PLASTIC, MONOFILAMENT, JUTE, OR SIMILAR EROSION CONTROL MATTING THAT COULD ENTANGLE SNAKES WILL BE PLACED ON A PROJECT SITE WHEN WORKING WITHIN 200 FEET OF SNAKE AQUATIC OR RICE HABITAT. POSSIBLE SUBSTITUTIONS INCLUDE COCONUT COIR MATTING, TACKIFIED HYDROSEEDING COMPOUNDS, OR OTHER MATERIAL APPROVED BY THE WILDLIFE AGENCIES.
5. UPON REMOVAL OF FIBER ROLL, AREA DISTURBED BY FIBER ROLL SHALL BE REVEGETATED.

E4 FIBER ROLL
NOT TO SCALE

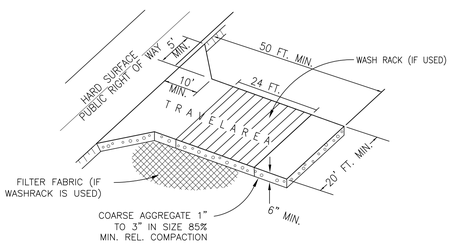


TRENCH SUPPORT DETAIL

NOTES:

1. SILT FENCE SUPPORTS SHALL BE 2–INCH PVC PIPE REINFORCED WITH IRON PIPE OR NO. 6 REBAR, WOOD POSTS, OR AS APPROVED BY COR.
2. FENCE SHALL BE PLACED AT THE TOE OF EMBANKMENT OR EXCAVATION AREAS, OR AS DIRECTED.
3. FILTER FABRIC SHALL BE OVERLAPPED 6 INCHES AT FENCE SUPPORTS.
4. FILTER FABRIC SHALL BE HUNG TAUT, NOT LOOSE OR FOLDED.
5. REMOVE ALL ELEMENTS OF SILT FENCE AT COMPLETION OF CONSTRUCTION. REPAIR ALL AREAS DISTURBED BY SILT FENCE INSTALLATION AND REMOVAL.

E6 SILT FENCE
NOT TO SCALE



NOTE:

INSPECT MONTHLY AND AFTER EACH RAINFALL. GRAVEL MATERIAL TO BE REPLACED WHEN SURFACE VOIDS ARE VISIBLE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED EVERY 24–HOURS. GRAVEL AND FILTER FABRIC TO BE REMOVED AT END OF CONSTRUCTION.

E1 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

CONSTRUCTION DOCUMENTS

Revisions: | Date

CONSULTANTS:

SURVEYOR
BLAIR, CHURCH, & FLYNN
451 CLOVIS AVENUE, SUITE 200
CLOVIS, CA 93612
(559) 326–1400 PHONE

GEOTECHNICAL ENGINEER
STEVENS, FERRONE, & BAILEY
1600 WILLOW PASS COURT
CONCORD, CA 94520
(925) 688–1001 PHONE

COST ESTIMATING
SIERRA WEST GROUP, LLC
9700 BUSINESS PARK DRIVE, SUITE 102
SACRAMENTO, CA 95827
(916) 925–4000 PHONE

REGISTERED PROFESSIONAL ENGINEER MARK L. SILVEIRA No. 71539 EXP. 12–31–15 CIVIL STATE OF CALIFORNIA

ARCHITECT/ENGINEERS:

JACOBS
Jacobs Engineering Group Inc.
Consultants in Architecture, Engineering, Planning, and the Environment
Sacramento Office
1050 20th Street, Suite 200
Sacramento, California 95811
(916) 929–3323 Fax (916) 929–1772

Drawing Title: EROSION & SEDIMENT CONTROL DETAILS

Approved: Project Director

CONSTRUCTION DOCUMENTS

Project Title: SAN JOAQUIN VALLEY NATIONAL CEMETERY PRE-PLACED CRYPTS IN SECTION 21

Location: SAN JOAQUIN VALLEY NATIONAL CEMETERY SANTA NELLA, CALIFORNIA

Date: 09/28/2015 | Checked: MIS | Drawn: RJM

Project Number: 913CM3012

Building Number:

Drawing Number: X-5

Dwg. 5 of 25

NATIONAL CEMETERY ADMINISTRATION DESIGN AND CONSTRUCTION SERVICE

Department of Veterans Affairs

VA FORM 08–6231