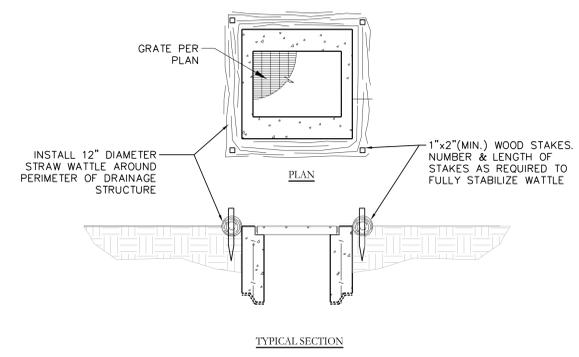
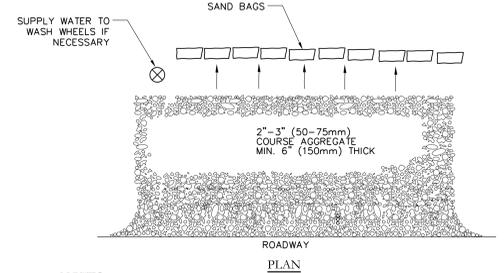


**A STOCKPILE**  
SCALE: N/T/S



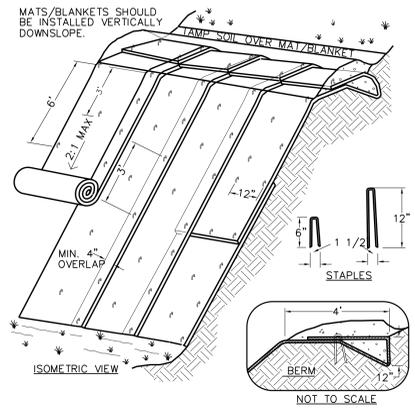
**B INLET PROTECTION - UNPAVED AREAS**  
SCALE: N/T/S



**NOTES**

1. TRUCK WASHING STATION SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. RECOMMENDED TO BE PLACED NEAR A RELIABLE WATER SOURCE.
5. SPRAY TIRES ON TRUCKS AND BROOM OFF TOPS OF TRUCKS BEFORE LEAVING SITE.

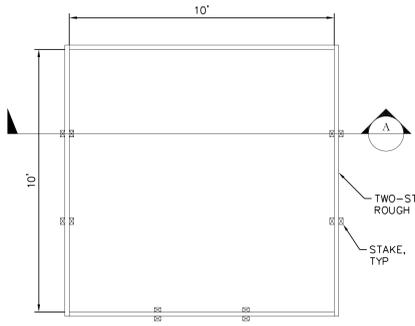
**C TRUCK WASHOUT**  
SCALE: N/T/S



**NOTES:**

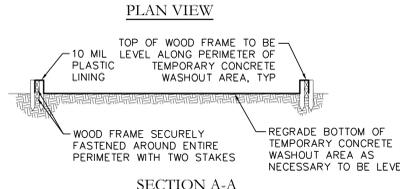
1. FOR EMBANKMENT FACE AND FILL SLOPES, USE **BIONET S150BN DOUBLE-NET STRAW BLANKET** BY NORTH AMERICAN GREEN.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

**D SLOPE PROTECTION BLANKET**  
SCALE: N/T/S

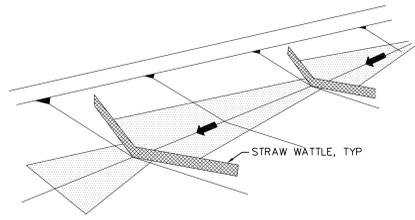


**NOTES:**

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT OF THE TEMPORARY CONCRETE WASHOUT FACILITY.



**E CONCRETE WASHOUT**  
SCALE: N/T/S



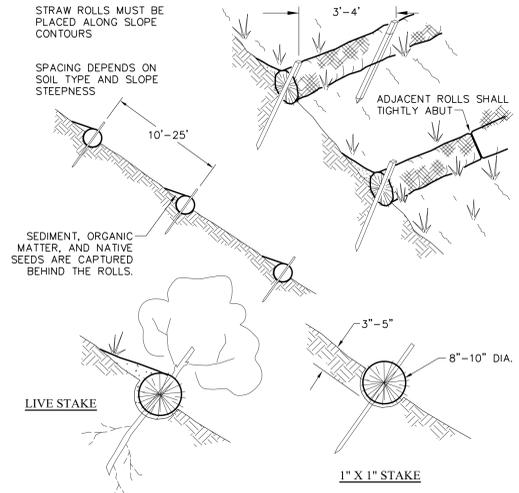
**FOR CHECK DAM INSTALLATION STRAW WATTLE SHALL BE INSTALLED AS FOLLOWS:**

1. DIG 3"-5" TRENCH FOR STRAW WATTLE AND CLEAR OF OBSTRUCTIONS INCLUDING, BUT NOT LIMITED TO, ROCKS, CLODS, AND DEBRIS PRIOR TO INSTALLATION.
2. PLACE STRAW WATTLE INTO TRENCH. THE HORIZONTAL FLAP SHALL BE DIRECTED UPSTREAM. SECURE WITH 6" NAILS (60D BRIGHT COMMON) EVERY 2.5 FEET. BACK-FILL AND COVER ENTIRE HORIZONTAL FLAP BY AT LEAST ONE INCH WITH LOCAL SOIL OR GRAVEL.
3. IF HEAVIER FLOW IS EXPECTED, STAKES SHALL BE INSTALLED 5 FEET APART ON DOWNSTREAM SIDE OF STRAW WATTLE. STAKES SHALL BE DRIVEN FLUSH WITH THE TOP OF THE WATTLE. STAKES SHALL BE AT A MINIMUM: 1" X 1" X 18".
4. STRAW WATTLE SHALL BE PLACED AS FOLLOWS:

| FEET APART ALONG THE SLOPE | SLOPE INCLINATION (VERTICAL:HORIZONTAL) |
|----------------------------|---|
| 10 FEET                    | 1:2 AND STEEPER                         |
| 15 FEET                    | 1:2 TO 1:4                              |
| 20 FEET                    | 1:4 AND 1:10                            |
| 50 FEET                    | 1:10 AND FLATTER                        |

4. WATTLES SHALL BE INSTALLED PRIOR TO THE APPLICATION OF OTHER TEMPORARY EROSION CONTROL OR SOIL STABILIZATION MATERIALS IN THE SAME AREA.

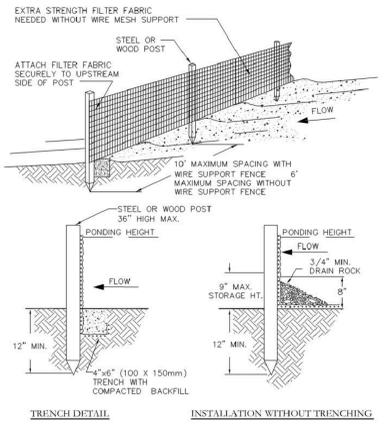
**F STRAW WATTLE CHECK DAM**  
SCALE: N/T/S



**NOTES:**

1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

**G FIBER ROLLS**  
SCALE: N/T/S



**NOTES:**

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

**H 36" HIGH SILT FENCE**  
SCALE: N/T/S

**EROSION CONTROL NOTES**

1. ALL FILL MATERIAL SHALL BE IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.
2. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SEDIMENT STORM RUNOFF AND NON-STORM RUNOFF FROM LEAVING THE SITE. PROTECTIVE DEVICES, PROVIDED ON THESE PLANS SHALL BE USED BY THE CONTRACTOR OR AN AS NEEDED BASES TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. TEMPORARY EROSION CONTROL DEVICES SHOWN ON GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE YEAR AROUND OR UNTIL VEGETATION IS ESTABLISHED ON SLOPED SURFACES.
3. EROSION CONTROL FACILITIES SHALL BE INSPECTED AND MAINTAINED DAILY AS WELL AS WHENEVER RAIN IS FORECAST. BREACHES IN DIKES AND SWALES TO BE REPAIRED AT THE CLOSE OF EACH DAY. THE NAME OF THE PERSON RESPONSIBLE FOR THE DAILY MAINTENANCE OF THESE FACILITIES SHALL BE ON RECORD WITH THE CITY ALONG WITH A PHONE NUMBER WHERE THEY CAN BE REACHED 24 HOURS A DAY. THESE FACILITIES SHALL CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND PROVIDE FOR THE SAFE DISCHARGE OF SILT FREE STORM WATER AND NON-STORM WATER DISCHARGE INTO EXISTING AND PROPOSED STORM DRAIN FACILITIES AND PRE-EXISTING DRAINAGE PATTERNS. DESIGN OF THESE FACILITIES MUST BE APPROVED AND UPDATED EACH YEAR BY THE CIVIL ENGINEER. (OCTOBER 1 TO APRIL 15)
4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PROVISIONS OF THE CONSTRUCTION GENERAL PERMIT 2009-0099-DWG. CONTROL MEASURES ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DIVISION OF THE PUBLIC SERVICES DEPARTMENT OF THE GOVERNING JURISDICTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUB-CONTRACTORS AND SUPPLIERS ARE AWARE OF ALL STORM WATER QUALITY MEASURES & IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, AND / OR A PROJECT STOP ORDER.
6. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
7. THE CONTRACTOR SHALL INSTALL CONTROLLED ACCESS AND EGRESS AS DEFINED IN THESE PLANS. LOCATION TO BE APPROVED BY THE ENGINEER IN THE FIELD. CONSTRUCTION EGRESS WILL BE EQUIPPED WITH A TIRE WASH STATION, AS NEEDED. ALL DISCHARGE FROM THE TIRE WASH STATION WILL BE DIRECTED TO APPROPRIATE COLLECTION AREAS, AND NOT ALLOWED TO LEAVE THE SITE. ANY MUD OR SEDIMENT THAT IS TRACKED OFF-SITE ONTO PAVED AREAS WILL BE REMOVED AS NEEDED. POWER WASHING OF STREETS IS NOT PERMITTED. STREET CLEANING EQUIPMENT WILL HAVE SWEEPERS AND VACUUM CAPABILITY.
8. DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT RUNOFF TO ANY STORM DRAIN SYSTEM OR ADJACENT LANDSCAPE.
9. DURING PERIODS WHEN STORMS ARE FORECAST:
  - 9.a EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS.
  - 9.b ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY.
  - 9.c WHERE STOCKPILING IS NECESSARY, USE A TARPULIN AND SURROUND THE STOCKPILED MATERIAL WITH SEDIMENT ROLLS, GRAVEL SEDIMENT BARRIER, SILT FENCE, OR OTHER RUNOFF CONTROLS.
  - 9.d USE INLET CONTROLS AS NEEDED (E.G. ERTEC DRAIN INLET PROTECTION) FOR STORM DRAIN ADJACENT TO THE PROJECT SITE OR STOCKPILED SOIL.
10. THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION AND PLACEMENT.
11. STAND-BY CREWS SHALL BE ALERTED BY THE PERMITTEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAINSTORMS.
12. AS A PART OF THE EROSION CONTROL MEASURES, DRAINAGE INLET PROTECTION (SEDIMENT BARRIERS) SHALL BE INSTALLED ON INLETS TO REMAIN DURING THIS PHASE.
13. IT IS RECOMMENDED THAT ERTEC S-FENCE OR COMPARABLE PRODUCTS BE USED IN PLACE OF TRADITIONAL STRAW OR SEDIMENT ROLLS AND SILT FENCES. THESE PRODUCTS CAN BE REUSED AFTER THE COMPLETION OF THIS PROJECT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
14. ALL GRADED AREAS, INCLUDING, BUT NOT LIMITED TO, CUT AND FILL SLOPES, STREETS, PARKING AREAS, AND BUILDING PADS SHALL BE STABILIZED WITH HYDRAULICALLY APPLIED MATERIAL OR SOIL STABILIZER PER THIS PLAN.
15. FOR GRADED BANKS WITH SLOPES BETWEEN 50:1 AND 3:1, EXPOSED EARTH SHALL BE STABILIZED WITH ATLAS SOIL-LOK PRODUCT, HYDRO STRAW GUARD PLUS OR HYDRO STRAW BFM AND SEED, LANDSCAPED, OR SEALED. IF THE PERMANENT STORM DRAIN SYSTEM IS NOT INSTALLED BY OCTOBER 1, TEMPORARY DITCHES SHALL BE CONSTRUCTED TO CONTAIN THE STORM WATER AND DIRECT IT, IN A MANNER THAT AVOIDS EROSION OF THE BANKS. TO THE EROSION AND SEDIMENT CONTROL FACILITIES. FOLLOW THE DESIGN OF THESE FACILITIES IN THIS PLAN.
16. FOR SLOPES OF 2:1 OR STEEPER, SEE HYDROSEED NOTES BELOW.
17. ALL CUT AND FILL SLOPES ARE TO BE PROTECTED TO PREVENT OVERBANK FLOW.
18. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES PER PLAN TO THE SATISFACTION OF THE ENGINEER.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING SAFETY OF VEHICLES OPERATING IN ROADWAY ADJACENT TO EROSION CONTROL FACILITIES. CONTRACTOR SHALL ENSURE THAT PONDING/FLOODING IN STREETS DOES NOT INTERFERE WITH TRAFFIC LANES AT ANY TIME.
20. DUST CONTROL SHOULD BE PRACTICED ON ALL CONSTRUCTION SITES WITH EXPOSED SOILS AS NEEDED ESPECIALLY IN WINDY OR WIND-PRONE AREAS. DUST CONTROL IS CONSIDERED A TEMPORARY MEASURE AND AS AN INTERMEDIATE TREATMENT BETWEEN SITE DISTURBANCE AND CONSTRUCTION, PAVING, OR REVEGETATION. REFER TO EROSION CONTROL AND SEDIMENT CONTROL FIELD MANUAL, 3RD EDITION, PREPARED BY THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, CENTRAL COAST REGION.
21. ALL TREES ALLOCATED TO REMAIN SHALL BE PROTECTED PER PLAN AND ARBORIST'S RECOMMENDATIONS.
22. WHEN POSSIBLE WORK SHOULD BE CONDUCTED DURING PERIODS OF NO FLOW OR LOW-FLOW.

**HYDROSEED NOTES**

- THE FOLLOWING HYDROSEED NOTES ARE APPLICABLE TO GRADED BANKS STEEPER THAN 2:1. FOR GRADED BANK SLOPED AT 3:1 OR LESS, SEE NOTE 15 ABOVE.
1. HYDROSEED SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS IN THE FOLLOWING STEPS:
    - A. APPLY HYDRAULIC GROWTH MEDIUM (HGM, SEE NOTE 2 BELOW) AT A RATE OF 3,500 LB/ACRE
    - B. APPLY WOOD BONDED FIBER MATRIX (BFM) BY PROFILE OR EQUIVALENT AT A RATE OF 4,000/ACRE
  2. FOR HGM, MIX 150 LBS/ACRE "HOLD FAST NATIVE BLEND" SEED MIX WITH 3,500 LBS/ACRE "VERDYLOK BLACK" AND 80 LBS/ACRE ORGANIC BINDER (PLANTAGO, GUAR, OR A COMBINATION OF BOTH) SUFFICIENT TO COVER THE AREA 1.5" DEEP. ALL PROCESSES TO BE APPROVED BY CIVIL ENGINEER.

**EROSION CONTROL DETAILS**

**LAND USE PERMIT SET**