

## NPDES NOTES:

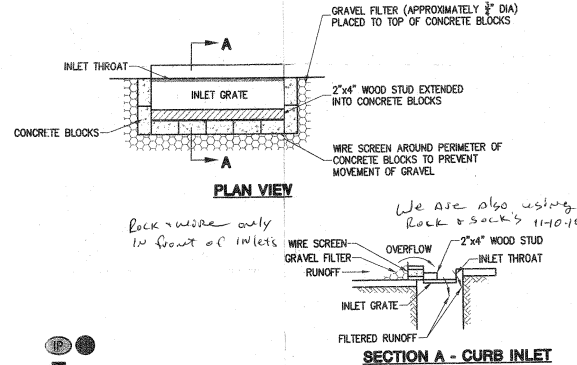
1. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO OR ACCUMULATE IN, THE FLOWLINES, STORM DRAINAGE APPURTENANCES, AND PUBLIC RIGHTS OF WAYS OF THE CITY AND COUNTY OF DENVER AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SAID REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
2. THIS CONSTRUCTION ACTIVITIES STORMWATER MANAGEMENT PLAN HAS BEEN SUBMITTED AS PART OF AN APPLICATION FOR A CONSTRUCTION ACTIVITIES STORMWATER DISCHARGE PERMIT FILED WITH THE WASTEWATER MANAGEMENT DIVISION OF THE CITY AND COUNTY OF DENVER. FURTHERMORE, THE CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THE REQUEST OF THE CITY AND COUNTY OF DENVER DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL BE THE OBLIGATION OF THE CONTRACTOR, UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED.
3. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION, EXCAVATION, TRENCHING, BORING, GRADING OR OTHER CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
4. A LAYER OF SUITABLE MULCH SHALL BE APPLIED TO ALL DISTURBED PORTIONS OF THE SITE WITHIN FOURTEEN (14) DAYS OF THE COMPLETION OF THE OVERLOT GRADING. SAID MULCH SHALL BE APPLIED AT A RATE OF TWO (2) TONS PER ACRE AND SHALL BE TACKED OR FASTENED BY AN APPROVED METHOD SUITABLE FOR THE TYPE OF MULCH USED. ROUGH CUT STREETS SHALL BE MULCHED UNLESS A LAYER OF AGGREGATE ROAD BASE OR ASPHALT PAVING IS TO BE APPLIED TO ROUGH CUT STREETS WITHIN THE FOURTEEN (14) DAY PERIOD AFTER COMPLETION OF THE OVERLOT GRADING.
5. THE CONTRACTOR SHALL LOCATE, INSTALL AND MAINTAIN ALL EROSION CONTROL AND WATER QUALITY BEST MANAGEMENT PRACTICES AS INDICATED IN THE APPROVED CONSTRUCTION ACTIVITIES STORMWATER MANAGEMENT PLAN (CHAPTER 10, CITY AND COUNTY OF DENVER, DEPARTMENT OF PUBLIC WORKS RULES AND REGULATIONS GOVERNING SEWERAGE CHARGES AND FEES AND MANAGEMENT OF WASTEWATER).
6. THE GENERAL CONTRACTOR, GRADING CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHTS OF WAYS (SEC. 40-552, DENVER REVISED MUNICIPAL CODE).
7. THE USE OF REBAR, STEEL STAKES, OR STEEL FENCE POSTS TO STAKE DOWN STRAY OR HAY BALES, OR TO SUPPORT SILT FENCING USED AS AN EROSION MEASURE IS STRICTLY PROHIBITED.
8. SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE PROTECTED FROM WIND AND WATER EROSION WITHIN FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION. STABILIZATION AND PROTECTION OF THE STOCKPILE MAY BE ACCOMPLISHED BY ANY OF THE FOLLOWING: MULCHING, TEMPORARY/PERMANENT REVEGETATION OPERATIONS, CHEMICAL SOIL STABILIZER APPLICATION (REQUIRES WMD APPROVAL PRIOR TO APPLICATION), OR EROSION CONTROL MATTING/GEOTEXTILES. IF STOCKPILES ARE LOCATED WITHIN 100 FEET OF A DRAINAGE WAY, ADDITIONAL SEDIMENT CONTROLS SUCH AS TEMPORARY DIKES OR SILT FENCES SHALL BE REQUIRED.
9. APPROVED EROSION AND SEDIMENT CONTROL "BEST MANAGEMENT PRACTICES" SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL PRODUCE AND RETAIN WEEKLY WRITTEN INSPECTION RECORDS FOR ALL BMPs AND AFTER SIGNIFICANT PRECIPITATION EVENTS. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IN A TIMELY MANNER BUT IN NO CASE MORE THAN SEVEN (7) CALENDAR DAYS AFTER THE INSPECTION. HOWEVER, STREET SWEEPING IS TO BE COMPLETED BY THE CLOSE OF THE BUSINESS DAY OR ON AN AS NEEDED BASIS. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM A BMP WHEN THE SEDIMENT LEVEL REACHES ONE HALF THE HEIGHT OF THE BMP OR, AT ANY TIME THE SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTION OF THE BMP.
10. MODIFICATION OF AN ACTIVE CONSTRUCTION ACTIVITIES STORMWATER DISCHARGE PERMIT BY THE CONTRACTOR OR THEIR AUTHORIZED AGENTS SHALL REQUIRE TIMELY NOTIFICATION OF AND APPROVAL BY THE WASTEWATER MANAGEMENT DIVISION. DISCHARGE PERMITS EXPIRE OF CONSTRUCTION HAS NOT COMMENCED WITHIN TWELVE (12) MONTHS OF THE ACCEPTANCE OF THE MANAGEMENT PLAN. TERMINATION OF AN ACTIVE CONSTRUCTION ACTIVITIES STORMWATER DISCHARGE PERMIT UPON COMPLETION OF THE PROJECT REQUIRES NOTIFICATION OF AND APPROVAL BY THE WASTEWATER MANAGEMENT DIVISION.
11. WATER USED IN THE CLEANING OF CEMENT TRUCK DELIVERY CHUTES SHALL BE DISCHARGED INTO A PREDEFINED, BERMED CONTAINMENT AREA ON THE JOBSITE. THE REQUIRED CONTAINMENT AREA IS TO BE BERMED SO THAT WASH WATER IS TOTALLY CONTAINED. WASH WATER DISCHARGE TO THE CONTAINMENT AREA SHALL BE ALLOWED TO INFILTRATE OR EVAPORATE. DRIED CEMENT WASTE IS TO BE REMOVED FROM THE CONTAINMENT AREA AND PROPERLY DISPOSED OF. SHOULD A PREDEFINED BERMED CONTAINMENT AREA NOT BE AVAILABLE DUE TO THE PROJECT SIZE, OR THE LACK OF AN AREA WITH SUITABLE GROUND SURFACE FOR ESTABLISHING A CONTAINMENT AREA, PROPER DISPOSAL OF READY MIX WASHOUT AND RINSE OFF WATER AT THE JOBSITE SHALL CONFORM TO THE APPROVED TECHNIQUES AND PRACTICES IDENTIFIED IN THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S TRAINING VIDEO ENTITLED "BUILDING FOR A CLEANER ENVIRONMENT, READY MIX WASHOUT TRAINING" AND ITS ACCOMPANYING MANUAL ENTITLED, "READY MIX WASHOUT GUIDEBOOK, VEHICLE AND EQUIPMENT WASHOUT AT CONSTRUCTION SITES". THE DIRECT OR INDIRECT DISCHARGE OF WATER CONTAINING WASTE CEMENT INTO THE STORM SEWER SYSTEM IS STRICTLY PROHIBITED. (SEC. 56-102A, C; DENVER REVISED MUNICIPAL CODE, CITY AND COUNTY OF DENVER).
12. THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATIONS INVOLVING WHEEL CUTTING, SAW CUTTING, OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE STORM SEWER SYSTEM IS STRICTLY PROHIBITED. (SEC. 56-102A, C; DENVER REVISED MUNICIPAL CODE, CITY AND COUNTY OF DENVER).
13. PAVED SURFACES WHICH ARE ADJACENT TO CONSTRUCTION SITES MUST BE SWEEPED ON A DAILY BASIS WHEN SEDIMENT AND OTHER MATERIALS ARE TRACKED OR DISCHARGED ON TO THEM. STREET SWEEPING BY HAND OR USE OF STREET SWEEPERS IS ACCEPTABLE. STREET SWEEPERS USING WATER WHILE SWEEPING IS PREFERRED IN ORDER TO MINIMIZE DUST. FLUSHING OFF PAVED SURFACES WITH WATER IS STRICTLY PROHIBITED. (SEC. 56-102A, C; DENVER REVISED MUNICIPAL CODE, CITY AND COUNTY OF DENVER).
14. ESTABLISHING DIVERSION DIKES ALONG PIPELINE TRENCH TO PREVENT SURFACE RUN-OFF FROM ENTERING THE CONSTRUCTION TRENCH.
15. CONSTRUCTION STRAW BALE BARRIERS AND/OR SILT FENCES DOWNSTREAM FROM CONSTRUCTION ON HEADWALLS AND OTHER STRUCTURES.

## CONCRETE WASHOUT AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHOUT AREAS
2. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
3. VEHICLE TRACKING CONTROL (VTC) IS REQUIRED AT THE ACCESS POINT.
4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.

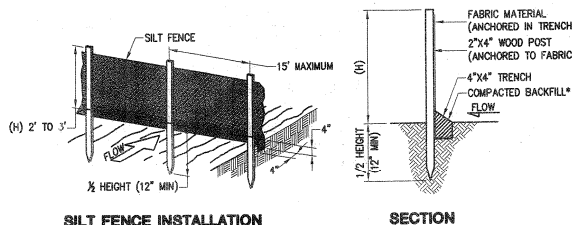
## CONCRETE WASHOUT AREA MAINTENANCE NOTES

1. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASHED CONCRETE.
2. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
3. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE COUNTY.
4. INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.



**1 INLET PROTECTION - TYPE 18**  
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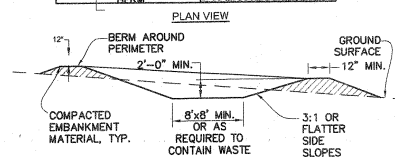
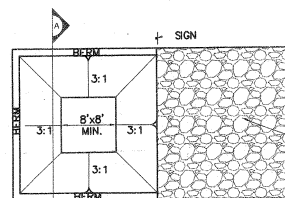
**NOTE:**  
EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL LANDSCAPING IS COMPLETED, OR AS DIRECTED BY LOCAL JURISDICTION



**SILT FENCE INSTALLATION**

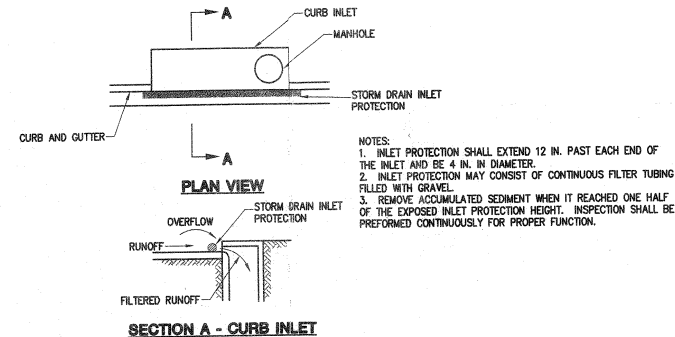
**SECTION**

**3 SILT FENCE EROSION BARRIER DETAIL**  
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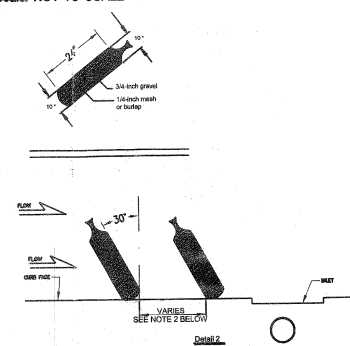
**SECTION B**

**5 CONCRETE WASHOUT AREA**  
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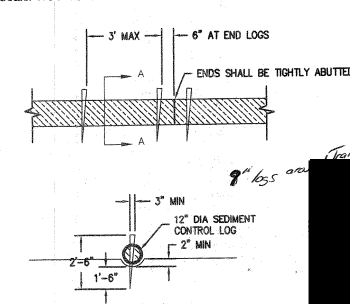
**SECTION A - CURB INLET**

**2 INLET PROTECTION - CDOT M-208-1**  
Scale: NOT TO SCALE



- NOTES:**
1. SOCKS WILL BE USED UPSTREAM OF INLET PERPENDICULAR TO AND FLUSH WITH CURB.
  2. ALL OTHER MATERIALS OF WASTE PRODUCTS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
  3. SOCKS SHALL BE USED UPSTREAM OF INLET PERPENDICULAR TO AND FLUSH WITH CURB.
  4. SOCKS SHALL BE USED UPSTREAM OF INLET PERPENDICULAR TO AND FLUSH WITH CURB.

**4 CURB SOCK INLET PROTECTION**  
Scale: NOT TO SCALE



- NOTES:**
1. SEE PLAN VIEW FOR LOCATION OF SEDIMENT CONTROL LOG.
  2. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, EXCELSIOR, OR COCONUT FIBER.
  3. NOT FOR USE IN CONCENTRATED FLOW AREAS. THE SEDIMENT CONTROL LOGS SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 2" AND SECURED TO THE GROUND.

**6 SEDIMENT CONTROL LOG**  
Scale: NOT TO SCALE