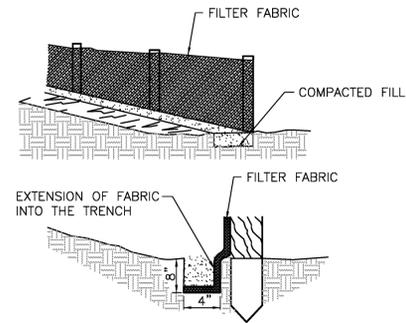


EROSION CONTROL NOTES

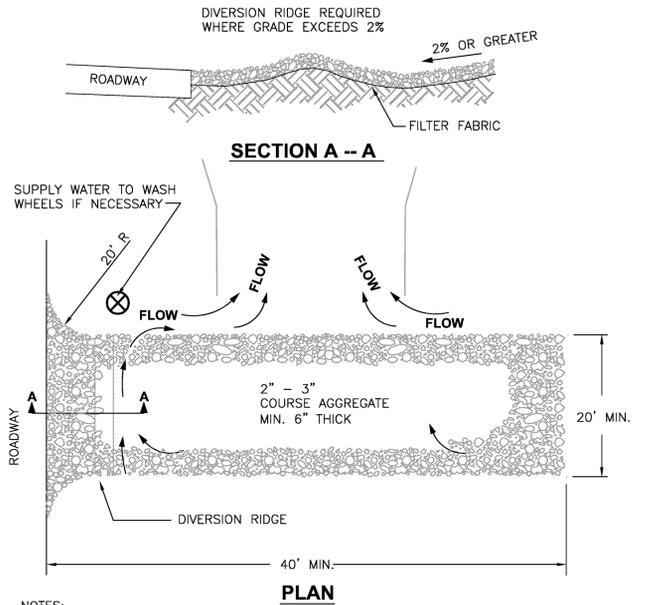
1. THE PURPOSE OF THIS EROSION CONTROL PLAN IS TO PREVENT SILTATION AND OTHER POLLUTANTS, DUE TO CONSTRUCTION, FROM ENTERING ADJACENT STREAMS AND PROPERTY.
2. CLEARING AND GRUBBING IS TO BE HELD TO THE MINIMUM WIDTH NECESSARY TO ACCOMMODATE SLOPES. UNNECESSARY CANOPY REMOVAL (TREES, SHRUBS, ETC.) IS PROHIBITED.
3. MAINTAIN ALL GROUND COVER WHENEVER POSSIBLE. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT TO RECEIVE PAVING SHALL BE SODDED AS SOON AS POSSIBLE.
4. ALL DITCHES AND FRESH CUTS IN DRAINAGE WAYS SHALL BE STABILIZED WITH SOD WHERE INDICATED ON PLAN.
5. TO REDUCE SEDIMENT IN RUNOFF, EROSION CONTROL MEASURES SHALL BE INSTALLED PROMPTLY DURING ALL CONSTRUCTION PHASES.
6. SEDIMENT TRAPS SHALL BE LOCATED AS NEEDED BY THE ENGINEER.
7. SITE EROSION CONTROLS SHALL BE CHECKED AND IF NECESSARY REPAIRED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL GREATER THAN 0.5". IN THE EVENT OF CONTINUOUS RAINFALL, EROSION CONTROLS SHALL BE CHECKED DAILY.
8. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EROSION CONTROL STRUCTURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S EXPENSE.
9. ALL AREAS TO REMAIN BARE GREATER THAN 15 DAYS MUST BE TEMPORARILY STABILIZED.
10. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN RUN-OFF. ALL COST FOR SEDIMENT REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
11. UPON COMPLETE REMOVAL OF SEDIMENT TRAPS, SPECIAL DITCHES, ETC., THE AREA WHERE THEY WERE CONSTRUCTED IS TO BE TOPSOILED, SEEDED, AND MULCHED.
12. ALL STOCKPILES TO BE CONTAINED BY SILT FENCE IN ORDER TO PREVENT SEDIMENT RUNOFF FROM ENTERING NEARBY STREAMS.
13. SHOULDERS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED AGAINST EROSION. SILTATION MEASURES SHALL BE IMPLEMENTED PROMPTLY TO REDUCE THE SEDIMENT IN RUN-OFF FROM THE CONSTRUCTION SITE.
14. EQUIPMENT STAGING AND MAINTENANCE AREAS SHALL BE DEVELOPED A SUFFICIENT DISTANCE FROM STREAMS TO ENSURE THAT OIL, GASOLINE, AND OTHER PETROLEUM POLLUTANTS DO NOT ENTER THE WATERWAYS.
15. FAILURE TO MAINTAIN GOOD EROSION CONTROL MEASURES COULD RESULT IN A FINE BEING ISSUED TO THE CONTRACTOR.
16. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES IN GENERAL CONFORMANCE TO THE EROSION CONTROL PLAN. THE EROSION CONTROL PLAN IS PROVIDED TO INDICATE MINIMUM EROSION CONTROL MEASURES REQUIRED OF THE CONTRACTOR AND DOES NOT TAKE INTO ACCOUNT THE CONTRACTOR'S SEQUENCE OF CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN BY THE CONTRACTOR AS REQUIRED TO MINIMIZE IMPACTS TO ADJACENT PROPERTIES AND THE DRAINAGE SYSTEM DOWNSTREAM OF THE SITE, AT NO ADDITIONAL COST.
17. INLET PROTECTION SHALL CONSIST OF TWO SEPARATE LAYERS OF SILT FENCE SURROUNDING THE DRAINAGE STRUCTURE, WHEN IN GRASS AREAS, PLUS BELOW-GRADE GEOTEXTILE CATCH BASIN SEDIMENT TRAP ("SILTSACK" - OR APPROVED EQUAL). SEDIMENT SHALL BE REMOVED FROM BELOW-GRADE GEOTEXTILE CATCH BASIN SEDIMENT TRAP ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AT NO ADDITIONAL COST TO OWNER.
18. CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING CONSTRUCTION OR OTHER ACTIVITIES.
19. A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SOIL EROSION CONTROL MEASURES AS NOTED ON THE PLANS AND AS REQUESTED BY THE OWNER DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF THE STATE OF TENNESSEE DEPARTMENT OF WATER POLLUTION CONTROL AS SET FORTH IN THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK. ALL SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONTRACT SO AS TO PREVENT ANY SEDIMENTATION FROM WASHING OFF THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHTS-OF-WAY. STRAW BALE DAMS AND/OR SEDIMENT FENCE SHALL BE INSTALLED AS DIRECTED. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL MAINTENANCE ACTIVITIES FOR THE EROSION CONTROL ELEMENTS AS REQUIRED BY THE STATE OF TENNESSEE DEPARTMENT OF WATER POLLUTION.
21. A COPY OF THE EROSION CONTROL PLAN MUST BE AVAILABLE ON SITE FOR THE DWPC INSPECTOR ON REQUEST.
22. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY OR PRIOR TO RAINFALL EVENTS.
23. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, WEEKLY IN DRY PERIODS AND WITHIN 24 HOURS AFTER ANY RAINFALL OF 0.5 INCHES WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALL, DAILY CHECKING AND REPAIRING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.
24. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE TDEC "EROSION AND SEDIMENT CONTROL HANDBOOK."
25. THERE MAY BE EXISTING SILT FENCE IN PLACE, HOWEVER, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEETING THE REQUIREMENTS OF THIS PLAN AND FOR INSTALLING NEW SILT FENCE AS REQUIRED.
26. IN ACCORDANCE WITH SHELBY COUNTY MS4 PERMIT, ALL STATE/NPDES PERMITS ARE REQUIRED TO HAVE BEEN OBTAINED BEFORE START UP OF ANY CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION GENERAL PERMIT, ARAP AND ARMY CORPS OF ENGINEERS PERMIT.
27. CONTRACTOR SHALL NOTIFY SHELBY COUNTY INSPECTION OFFICE AT 545-4320 A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.



MAINTENANCE:

1. INSPECT SEDIMENT FENCES AT LEAST TWICE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REPLACE BURLAP AS NEEDED.
2. REMOVE SEDIMENT DEPOSITS WHEN THE STORAGE VOLUME HAS BEEN REDUCED BY 50% TO PROVIDE ADEQUATE STORAGE FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

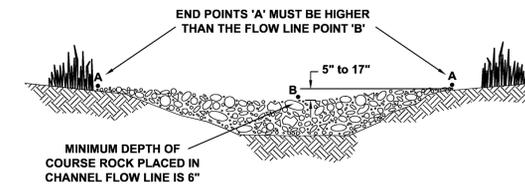
1 TYP. SILT FENCE
C3.04 NTS



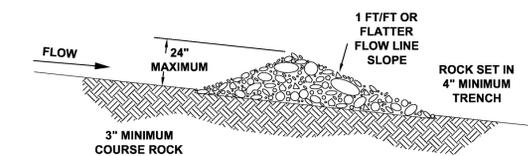
NOTES:

1. THE ENTRANCE 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.

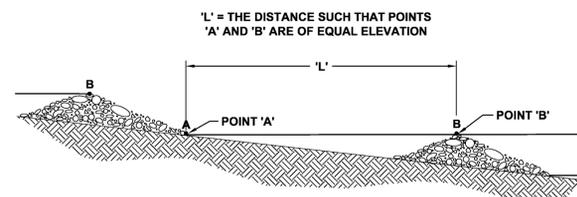
2 TYP. CONSTRUCTION ENTRANCE/EXIT
C3.04 NTS



VIEW LOOKING UPSTREAM

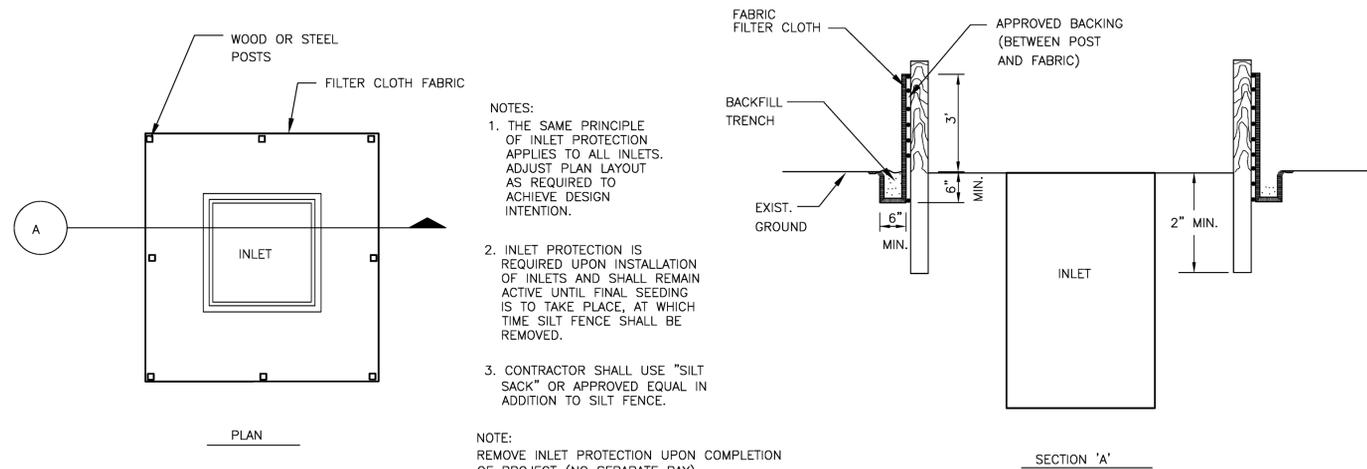


SIDE VIEW



SPACING BETWEEN CHECK DAMS

4 TYP. ROCK CHECK DAM
C3.04 NTS



NOTES:

1. THE SAME PRINCIPLE OF INLET PROTECTION APPLIES TO ALL INLETS. ADJUST PLAN LAYOUT AS REQUIRED TO ACHIEVE DESIGN INTENTION.
2. INLET PROTECTION IS REQUIRED UPON INSTALLATION OF INLETS AND SHALL REMAIN ACTIVE UNTIL FINAL SEEDING IS TO TAKE PLACE, AT WHICH TIME SILT FENCE SHALL BE REMOVED.
3. CONTRACTOR SHALL USE "SILT SACK" OR APPROVED EQUAL IN ADDITION TO SILT FENCE.

NOTE: REMOVE INLET PROTECTION UPON COMPLETION OF PROJECT (NO SEPARATE PAY)

3 TYP. INLET PROTECTION
C3.04 NTS

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SHELBY COUNTY SHERIFF'S OFFICE
RANGE OPERATIONS BUILDING
800 DOVECREST
MEMPHIS, TENNESSEE

SEAN D. LAM, C.E.
REGISTERED ENGINEER
No. 001188
STATE OF TENNESSEE

REVISIONS:

DATE: AUGUST 28, 2012
DRAWN BY: RDL
SHEET TITLE: EROSION CONTROL NOTES & DETAILS
SHEET NO: **C3.04**