

GENERAL EROSION CONTROL NOTES:

- 1.0 ALL EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE CONSTRUCTION ACTIVITIES BEGIN. THESE MEASURES MUST REMAIN IN PLACE AND FUNCTIONAL THROUGHOUT THE COURSE OF EARTH DISTURBING ACTIVITY AND MAY ONLY BE REMOVED ONCE THE DISTURBED SITE IS RE-STABILIZED.
- 2.0 WHEN AVAILABLE, USE AT LEAST A 5' STRIP OF VEGETATION AREA AROUND THE PERIMETER TO AID THE EROSION CONTROL MEASURES.
- 3.0 CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.
- 4.0 ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH STATE OF OHIO SPECIFICATION ITEM 659, AND PER TABLE LISTED ON THIS SHEET "STABILIZATION."
- 5.0 SOIL STOCKPILED MUST BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING TO PREVENT SOIL LOSS.
- 6.0 UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE OHIO DEPARTMENT OF NATURAL RESOURCES "RAINWATER AND LAND DEVELOPMENT" MANUAL, CURRENT EDITION, SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.
- 7.0 SILT FENCES AND "INLET FILTERS" ARE TO BE CONTINUOUSLY MAINTAINED BY THE DEVELOPER AND/OR CONTRACTOR UNTIL ALL DANGER OF EROSION/SEDIMENTATION OCCURRING HAS BEEN ELIMINATED.
- 8.0 THE DEVELOPER AND/OR CONTRACTOR SHALL PERFORM STREET SWEEPING, ON A REGULAR BASIS, AS DIRECTED BY THE CITY, AND IMMEDIATELY IN THE EVENT THAT MUD OR OTHER DEBRIS ARE TRACKED ONTO THE STREET.
- 9.0 THE DEVELOPER AND/OR CONTRACTOR SHALL INSPECT THE SURROUNDING STREETS AND JOBSITE PERIMETER AT THE END OF EACH WORKING DAY TO ENSURE THAT ALL DEBRIS WITH POTENTIAL TO ENTER EXISTING STORM SEWERS AND WATER COURSES ARE REMOVED.

STABILIZATION:

DISTURBED AREAS MUST BE STABILIZED AS FOLLOWS:

- 1.0 ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION ACTIVITIES THAT ARE TO FINAL GRADE, AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED WITHIN 7 CALENDAR DAYS.
 - 2.0 ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION ACTIVITIES, AND IN WHICH NO CONSTRUCTION ACTIVITY IS PLANNED WITHIN 30 DAYS, ARE TO BE SEEDED AND MULCHED WITHIN 7 CALENDAR DAYS.
 - 3.0 TEMPORARY SEEDING WILL CONSIST OF THE FOLLOWING OR AN APPROVED EQUAL:
- | SEEDING PERIOD | TYPE | RATE (1000 SF) |
|-------------------|--------------------|----------------|
| SPRING AND SUMMER | 1. OATS | 3 LBS |
| | 2. PEREN. RYEGRASS | 1 LBS |
| | 3. TALL FESCUE | 1 LBS |
| FALL | 1. PEREN. RYEGRASS | 1 LBS |
| | 2. RYE | 3 LBS |
| | 3. WHEAT | 3 LBS |
| | 4. TALL FESCUE | 1 LBS |

3.1 SEEDBED PREPARATION

A. LIME (IN LIEU OF A SOIL TEST RECOMMENDATION) SHALL BE APPLIED ON ACID SOIL (PH=5.5 OR LESS) AND SUBSOIL AT A RATE OF 100 POUNDS PER 1000 SF, OR TWO (2) TONS PER ACRE OF AGRICULTURAL GROUND LIMESTONE.

B. FERTILIZER (IN LIEU OF A SOILS TEST RECOMMENDATION) SHALL BE APPLIED AT A RATE OF 12-15 POUNDS (25 POUNDS FOR PERMANENT SEEDING) PER 1000 SF OF 10-10-10 OR 12-12-12 ANALYSIS OR EQUIVALENT.

3.2 SEED APPLICATION

APPLY THE SEED UNIFORMLY WITH A HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) PREFERABLY ON A FIRM, MOIST SEEDBED. SEED WHEAT OR RYE NO DEEPER THAN ONE (1) INCH. SEED RYEGRASS NO DEEPER THAN ONE QUARTER (1/4) OF AN INCH.

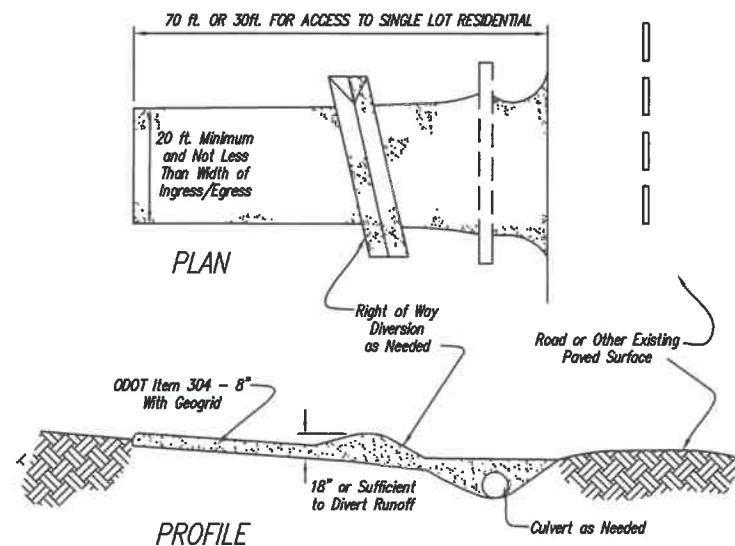
INLET PROTECTION:

- 1.0 CURB INLETS MUST BE PROTECTED BY A DANDY BAG OR APPROVED EQUAL.
- 2.0 CATCH BASIN (OUT SIDE OF TRAVELWAY) INLETS MUST BE PROTECTED BY THE USE OF STRAW BALES AND SILT FENCING COMPLETELY SURROUNDING THE STRUCTURE.
- 3.0 INLET PROTECTION DEVICES MUST BE INSPECTED FOR PROPER FUNCTION WEEKLY IF NO WEATHER EVENTS HAVE OCCURRED.
- 4.0 INLET PROTECTION DEVICES MUST BE INSPECTED BEFORE AND AFTER WEATHER EVENTS FOR PROPER FUNCTION AND REPLACED AS SUGGESTED BY MANUFACTURER RECOMMENDATIONS OR AS DIRECTED BY THE CITY.

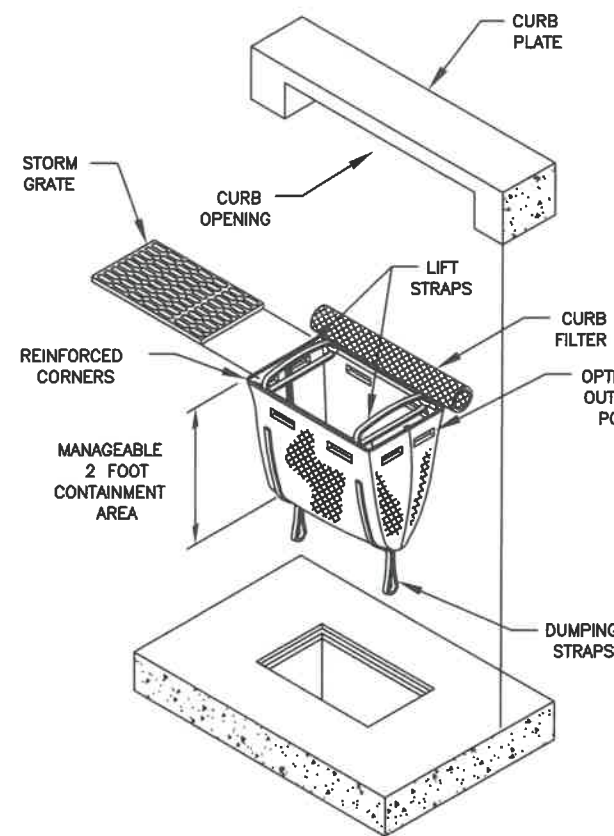
CONSTRUCTION ENTRANCE:

- 1.0 TIMING--THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
- 2.0 MATERIALS--ODOT # 2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- 3.0 LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
- 4.0 THICKNESS --THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
- 5.0 WIDTH --THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 6.0 A GEOTEXTILE MEMBRANE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS.
- 7.0 CULVERT --A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- 8.0 WATER BAR --A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- 9.0 MAINTENANCE --TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- 10.0 CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
- 11.0 REMOVAL--THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

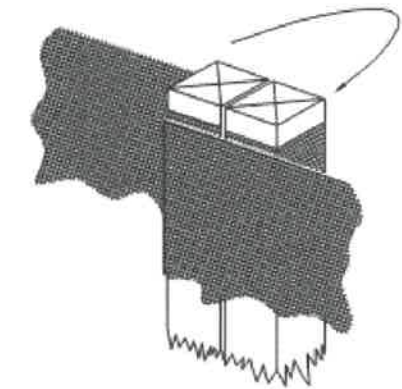
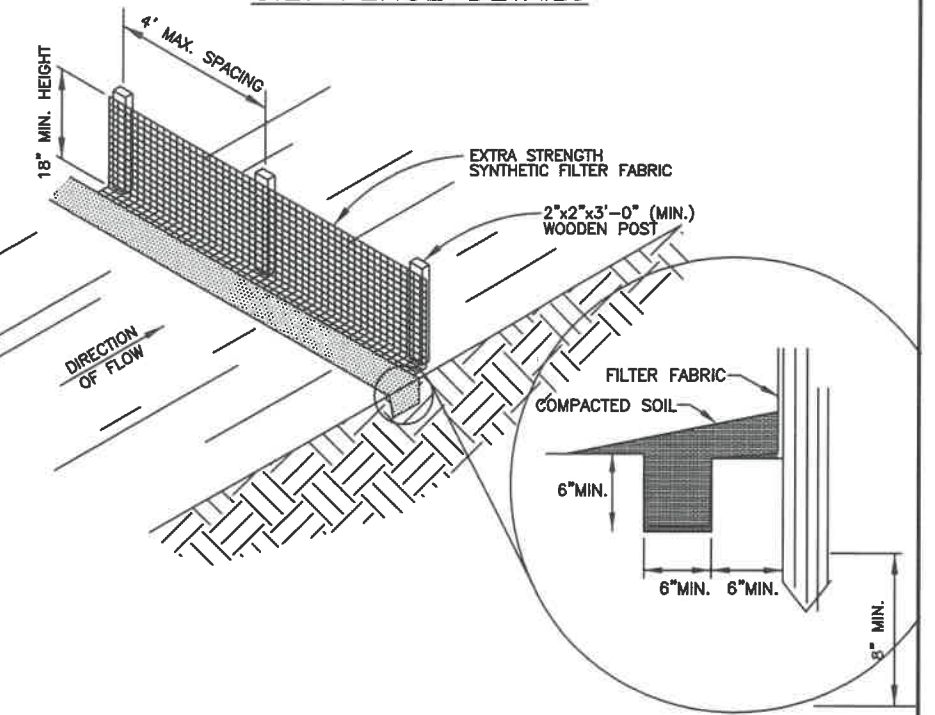
CONSTRUCTION ENTRANCE DETAIL



CURB INLET PROTECTION DETAIL



SILT FENCE DETAILS



JOINING SECTIONS OF SILT FENCE

WRAP GEOTEXTILE AROUND STAKES BEFORE DRIVING

SILT FENCE SPECIFICATIONS:

- 1.0 SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE GROUND COVER IS REMOVED. CLEARING, GRUBBING, AND STUMPING CAN OCCUR BEFORE SILT FENCE INSTALLATION IF GROUND COVER IS NOT REMOVED.
- 2.0 WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
- 3.0 A RUN OF SILT FENCE SHALL FOLLOW THE CONTOUR AS CLOSE AS POSSIBLE WITH THE ENDS TURNED UPSLOPE TO POND WATER BEHIND THE FENCE.
- 4.0 THE SILT FENCE SHALL BE BURIED AT LEAST 6" DEEP AND HAVE A TOTAL OF 8" OF FABRIC BELOW THE GROUND. THIS CAN BE ACCOMPLISHED WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
- 5.0 THE STAKES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE GEOTEXTILE. THE STAKES SHALL BE A MINIMUM OF 2X2 NOMINAL (1-1/2" X 1-1/2" ACTUAL) HARDWOOD STAKE OF SOUND QUALITY. T-POSTS MAY BE SUBSTITUTED IF GROUND CONDITIONS REQUIRE.
- 6.0 FILTER FABRIC SHALL BE FASTENED TO WOODEN POSTS USING 1/2" HEAVY DUTY STAPLES.
- 7.0 FILTER FABRIC SHALL BE PLACED IN A CONTINUOUS ROLL TO MINIMIZE THE OCCURRENCE OF JOINTS. WHERE JOINTS CANNOT BE AVOIDED, FABRIC SHALL BE SPLICED TOGETHER AT SUPPORT POSTS, WITH A MINIMUM OF 6-INCH OVERLAP, AND SECURELY SEALED.
- 8.0 WHERE TWO SILT FENCE SECTIONS ARE COMBINED INTO ONE RUN THE END STAKES SHALL BE CONNECTED TOGETHER, NOT SIMPLY OVERLAPPED. SEE DETAIL BELOW.
- 9.0 IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) AN ADDITIONAL RUN OF SILT FENCE SHALL BE PLACED UPSTREAM, 2) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 3) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 4) OTHER PRACTICES SHALL BE IMPLEMENTED.
- 10.0 THE MANUFACTURER SHALL SUBMIT A CERTIFICATION WITH EACH SHIPMENT OF SILT FENCE STATING THAT IT MEETS THE FOLLOWING SPECIFICATION REQUIREMENTS: MINIMUM TENSILE STRENGTH - 100 LBS.; MINIMUM PUNCTURE STRENGTH - 50 LBS.; MINIMUM TEAR STRENGTH - 40 LBS.

ALL DEVELOPERS/CONTRACTORS MUST FOLLOW THESE DETAILS UNLESS GRANTED WRITTEN APPROVAL BY A STORMWATER MANAGEMENT UTILITY ENGINEER.

CITY OF CINCINNATI STORMWATER MANAGEMENT UTILITY
<http://www.cincinnati-oh.gov/stormwater>

EROSION CONTROL NOTES AND DETAILS
 ACC.NO. 120352
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APPROVED: *Eric Taylor*