

SUMMIT SOIL & WATER CONSERVATION NOTES

SEDIMENT PONDS/TRAPS AND PERIMETER CONTROLS SHALL BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE STABILIZED.

DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR A PERIOD OF 14 DAYS OR MORE, SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER APPROPRIATE MEANS WITHIN 7 DAYS.

EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON ALL DITCHES WITH GRADES GREATER THAN 1.5% SLOPES AND ALL OTHER SLOPES GREATER THAN 6% GRADE.

BUILDER IS RESPONSIBLE FOR EROSION CONTROL ON INDIVIDUAL LOT. BUILDER MUST FILE INDIVIDUAL LOT NOTICE OF INTENT (NOI) WITH OHIO EPA.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

OFF-SITE VEHICLE TRACKING SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN.

ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006).

OTHER EROSION AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.

REGULAR INSPECTION AND MAINTENANCE WILL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION AND CORRECTIVE MEASURES TAKEN.

EARTHWORK & PAVING NOTES

1. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL NOTIFY THE ENGINEER AT ONCE OF ANY DISCREPANCIES. THE CONTRACTOR SHALL EXAMINE THE DRAWING AND MAKE CERTAIN THAT ALL PAVEMENT IS FITTED PROPERLY TO ACHIEVE THIS DRAINAGE PATTERN.
2. MATERIALS TESTING, IF REQUIRED BY THE MUNICIPALITY, SHALL BE PROVIDED BY THE CONTRACTOR.
3. TOPSOIL EXCAVATED SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE OWNER'S REPRESENTATIVE UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING. ALL EXCESS TOPSOIL MUST BE REMOVED FROM THE SITE UPON COMPLETION OF CONSTRUCTION. THE STOCKPILES SHALL BE CIRCLED WITH SILT FENCE AND SHAPED NOT TO HOLD WATER. THESE MOUNDS SHOULD LOOK GRADED AND MAINTAINED.
4. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL NOTES

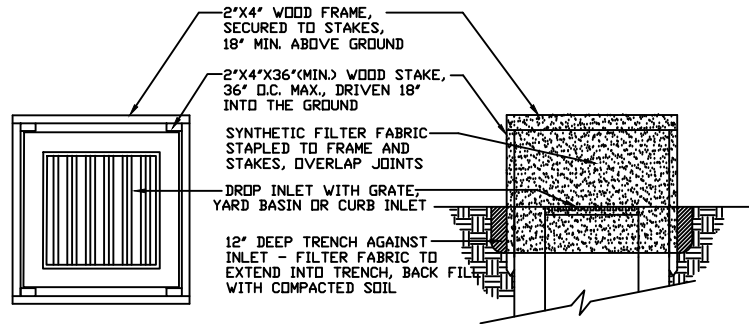
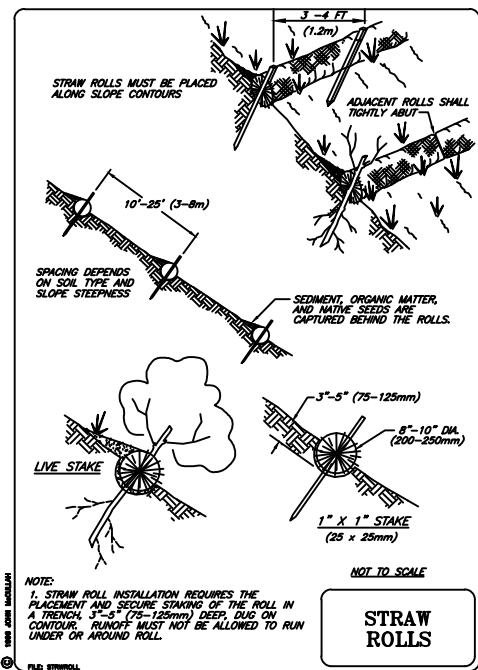
1. THE CONTRACTOR SHALL LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY EXCAVATION, BORROW, AND FILL OPERATIONS AND PROVIDE IMMEDIATE PERMANENT OR TEMPORARY CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, OR OTHER AREAS OF WATER IMPOUNDMENT.
2. THIS WORK SHALL CONSIST OF TEMPORARY CONTROL MEASURES AS DETAILED IN THE PLANS OR ORDERED BY THE ENGINEER DURING THE LIFE OF THE CONTRACT TO CONTROL SOIL EROSION AND SEDIMENTATION THROUGH USE OF STRAW OR HAY BALES, SLOPE PROTECTION, SEDIMENT BASINS, MULCHES, GRASSES, FILTER FABRICS, DITCH LINING AND OTHER EROSION CONTROL DEVICES OR METHODS. TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST ODOT SUPPLEMENTAL SPECIFICATION 832.
3. TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS, THE LOCATION AND SIZE OF WHICH ARE DETAILED IN THE PLANS, SHALL BE INSTALLED BY THE CONTRACTOR UPON COMMENCEMENT OF ANY CLEARING OR EARTHWORK OPERATIONS. TEMPORARY CONTROL MEASURES WILL BE USED WHEN AND AS DIRECTED BY THE ENGINEER TO CORRECT CONDITIONS THAT DEVELOP DURING CONSTRUCTION THAT WERE NOT FORESEEN DURING THE DESIGN STAGE; THAT ARE NEEDED PRIOR TO INSTALLATION OR PERMANENT CONTROL FEATURES; OR THAT ARE NEEDED TEMPORARILY TO CONTROL EROSION THAT DEVELOPS DURING NORMAL CONSTRUCTION PRACTICES.
4. EXISTING VEGETATIVE GROWTH SHALL REMAIN UNDISTURBED AS LONG AS POSSIBLE. THE CONTRACTOR SHALL SEED AND MULCH ALL AREAS DISTURBED BY THE CONSTRUCTION AND WHICH ARE EXPOSED FOR MORE THAN 14 DAYS. SEEDED AREAS WILL BE INSPECTED AND AREAS WHERE THE SEED HAS NOT PRODUCED A GOOD COVER WILL BE FERTILIZED AS NECESSARY BY THE CONTRACTOR.
5. TEMPORARY EROSION CONTROL FEATURES SHALL BE ACCEPTABLY MAINTAINED AND SHALL SUBSEQUENTLY BE REMOVED OR REPLACED WHEN DIRECTED BY THE ENGINEER. TEMPORARY AND PERMANENT EROSION CONTROL FEATURES SHALL BE CHECKED AFTER EACH MEASURABLE RAINFALL AND REESTABLISHED AS NECESSARY. REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE SITE.
6. IF PROPER CONTROL OF SOIL EROSION AND SEDIMENTATION IS NOT BEING PROVIDED BY THE CONTRACTOR, THE ENGINEER MAY WITHHOLD PROGRESS ESTIMATES UNTIL PROPER CONTROL IS ACHIEVED.
7. IN THE EVENT THAT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE, CARELESSNESS, OR FAILURE TO INSTALL PERMANENT CONTROLS AS A PART OF THE WORK AS SCHEDULED, AND ARE ORDERED BY THE ENGINEER, SUCH TEMPORARY WORK SHALL BE PERFORMED BY THE CONTRACTOR AT HIS EXPENSE.

EROSION CONTROL MEASURES:

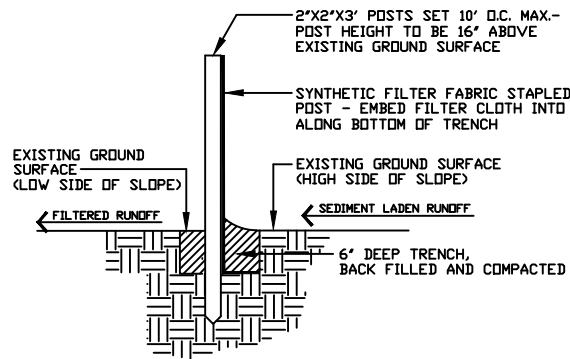
1. TEMPORARY SEEDING AND MULCHING SHALL BE PLACED ON ALL DENOTED AREAS THAT ARE TO REMAIN OPEN FOR FOURTEEN (14) DAYS OR LONGER.
2. TEMPORARY SEEDING SPECIFICATIONS:

SEEDING DATES	SEED TYPE	APPLICATION RATE PER 1,000 S.F.
MARCH 1 - AUGUST 15	OATS OR PERENNIAL RYE GRASS	3#
	TALL FESCUE	1#
AUGUST 16 - NOVEMBER 1	RYE, WHEAT OR PERENNIAL RYE GRASS	3#
	TALL FESCUE	1#
AFTER NOVEMBER 1	STRAW OR HAY MULCH	2-3 BALES
SEED BED PREPARATION	LIME	100#
	10-10-10 OR 12-12-12 FERTILIZER	12-15#

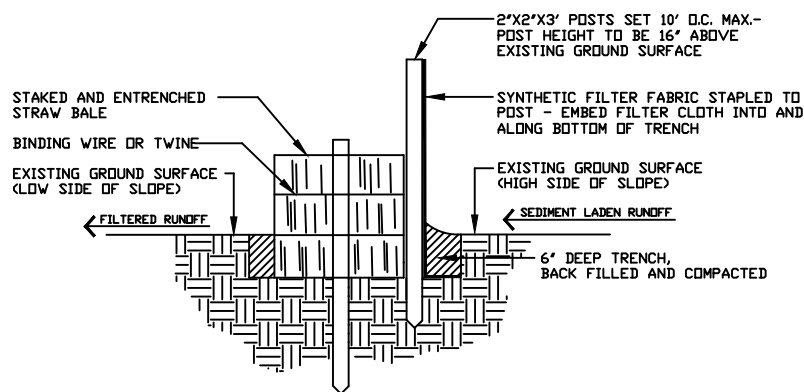
3. THE CONTRACTOR SHALL MAINTAIN ALL SEEDED, MULCHED, AND MATTED AREAS UNTIL FINAL INSPECTION. MAINTENANCE SHALL ALSO INCLUDE REPAIRING ANY AREAS DAMAGED FOLLOWING THE SEEDING OR MULCHING OPERATION DUE TO WIND, WATER, FIRE, OR OTHER CAUSES. SUCH DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITION OF THE GRADE OF THE AREA PRIOR TO SEEDING AND SHALL THEN BE RE-FERTILIZED RE-SEEDED, RE-MULCHED AS DIRECTED BY THE PROJECT ENGINEER.
4. INSTALL SILT FENCE OR COMBINATION BARRIERS AT LOCATIONS SO INDICATED ON THE SOIL EROSION AND SEDIMENTATION CONTROL PLAN (SEE DETAIL).
5. SILT FENCE TO BE PLACED AROUND ALL YARD DRAINS, CURB INLETS, AND MANHOLES TO MINIMIZE SILTING OF PIPE AND TRANSPORT OF SILT (SEE DETAIL).
6. INSTALL GRAVEL AND WIRE SEDIMENT FILTERS ON ALL ROAD INLETS (SEE DETAIL).
7. INSTALL TEMPORARY AGGREGATE PAD AT POINT OF INGRESS AND EGRESS FROM PROJECT TO PREVENT VEHICULAR TRACKING OFF-SITE (SEE DETAIL). THE PAD SHALL BE CLEANED AND REPLENISHED, AS NECESSARY, DURING THE CONSTRUCTION PERIOD.
8. TOPSOIL STOCKPILES SHALL RECEIVE TEMPORARY SEEDING AND MULCHING AS SOON AS STOCKPILING OPERATIONS ARE COMPLETED OR A SILT FENCE SHALL BE INSTALLED ALONG AND 20 FEET FROM THE TOE OF THE STOCKPILE. TOPSOIL SHALL BE REPLACED AS QUICKLY AS CONSTRUCTION PERMITS.
9. PERMANENT SEEDING SHALL BE PLACED AS SOON AS CONSTRUCTION AND WEATHER PERMIT. EXCELSIOR OR JUTE MATTING SHALL BE USED ON SLOPES TO SECURE SEED AND MULCH MATERIALS.
10. SEEDING AND MULCHING IN DITCHES AND SWALES WITH GRADIENTS GREATER THAN 1.5% SHALL BE SECURED WITH JUTE OR EXCELSIOR MATTING.
11. ADDITIONAL EROSION CONTROLS MAY BE MANDATED BY THOSE AGENCIES HAVING JURISDICTION.
12. ROUTINE INSPECTION SHALL BE CONDUCTED ON ALL EROSION CONTROL PRACTICES FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING ALL DEFICIENCIES REVEALED BY THE INSPECTIONS.
13. ALL EROSION CONTROL PRACTICES SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE LOCAL SOIL AND WATER CONSERVATION DISTRICT.



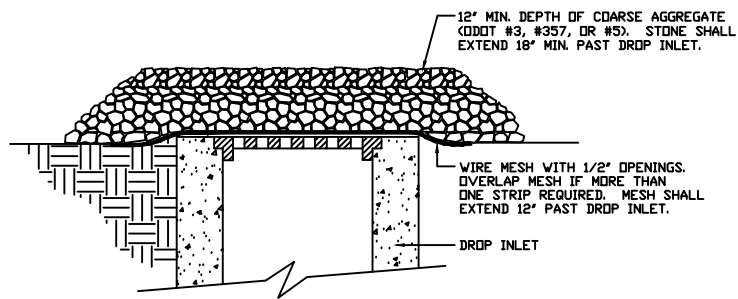
SILT FENCE DROP INLET PROTECTION
SCALE: N.T.S.



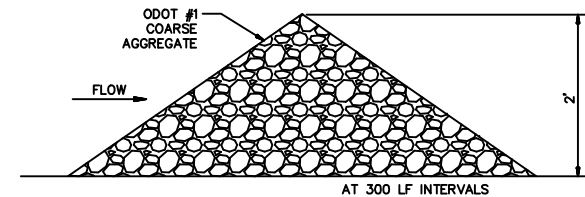
SILT FENCE
SCALE: N.T.S.



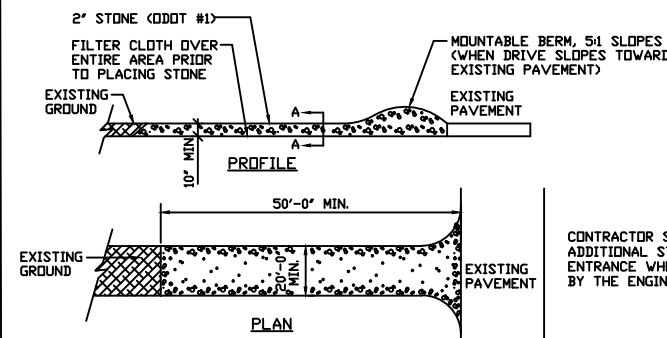
COMBINATION SEDIMENT BARRIER
SCALE: N.T.S.



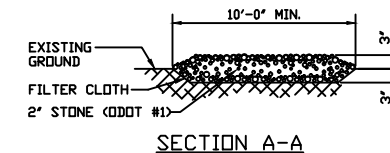
GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER
SCALE: N.T.S.



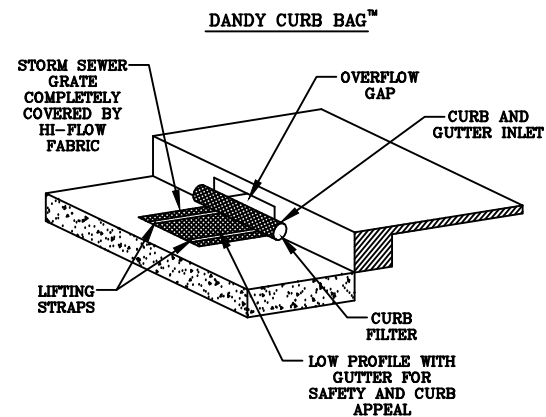
ROCK CHECK DAM
SCALE: N.T.S.



CONTRACTOR SHALL ADD ADDITIONAL STONE TO ENTRANCE WHENEVER DIRECTED BY THE ENGINEER.



CONSTRUCTION ENTRANCE
SCALE: N.T.S.



NOTE: THE DANDY CURB BAG™ WILL BE MANUFACTURED BY THE U.S.A FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbf)	1.82 (385) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbf)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4633	kN (lbf)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	80
Apparent Opening Size	ASTM D 4751	µm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	5907 (148)
Permittivity	ASTM D 4491	Sec ⁻¹	2.1

*Note: All Dandy Curb Bags™ can be ordered with our optional oil absorbents

REVISION 2/9/2017
S-95
STANDARD DETAIL

EROSION CONTROL
PLAN DETAILS

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ENGINEERING DEPARTMENT
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NATURALLY BEAUTIFUL