2. THE EARTH AROUND THE INLET SHALL BE INSTALLATION: THE EMPTY DANDY BAG® SHOULD BE PLACED OVER THE GRATE AS THE GRATE

> LEAST 18 INCHES. 3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN ONE (1 FT.) INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY

> > HAZARD TO TRAFFIC.

4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

EXCAVATED COMPLETELY TO A DEPTH OF AT

EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. 6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL

THE EARTH IS EVEN WITH NOTCH ELEVATION

ON ENDS AND TOP ELEVATION ON SIDES. 7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A SDEPRESSION.THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

8. STRUCTURES IN NEED ON INLET PROTECTION IN PAVEMENT AREAS ARE TO USE DANDY BAGS OR FILTER SOCK TYPE INLET PROTECTION.

<u>APPENDIX G — SWPPP AMENDMENT LOG</u>

AMENDMENT NO. DESCRIPTION OF THE AMENDMENT

SPECIFICATIONS FOR FILTER SOCK (NOT TO SCALE) ___ 2" x 2" WOODEN STAKE FILTER SOCK (12" DIA MIN) MIN. 12"

MATERIALS - COMPOST USED FOR FILTER 5. FILTER SOCKS ARE NOT TO BE USED IN SOCKS SHALL BE WEED, PATHOGEN AND CONCENTRATED FLOW SITUATIONS OR IN INSECT FREE AND FREE OF REFUSE. RUNOFF CHANNELS. CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED MAINTENANCE: FROM A WELL-DECOMPOSED SOURCE OF

EACH SIGNIFICANT RAIN, MAINTAINING FILTER RANGING FROM 3/8" TO 2". SOCKS IN A FUNCTIONAL CONDITION AT ALL 2. FILTER SOCKS SHALL BE 3 OR 5 MILL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH 7. REMOVE SEDIMENTS COLLECTED AT THE BASE COMPOST PASSING THE ABOVE OF THE FILTER SOCKS WHEN THE REACH 1/3

LINE ACROSS SLOPES, GENERALLY PARALLEL

PERMANENT FILTER OR PART OF THE

NATURAL LANDSCAPE, SHALL BE SEEDED AT

THE TIME OF INSTALLATION OF

AMENDMENT PREPARED BY:

ESTABLISHMENT OF PERMANENT VEGETATION.

OF THE EXPOSED HEIGHT OF THE PRACTICE. SPECIFICATIONS FOR COMPOST PRODUCTS. 8. WHERE THE FILTER SOCK DETERIORATES OR INSTALLATION FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE. 3. FILTER SOCKS WILL BE PLACED ON A LEVEL

ORGANIC MATTER AND CONSIST OF PARTICLES 6. ROUTINELY INSPECT FILTER SOCKS AFTER

TO THE BASE OF THE SLOPE OR OTHER 9. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER AFFECTED AREA. ON SLOPES APPROACHING REQUIRED IN SUCH A WAY AS TO FACILITATE 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AND NOT OBSTRUCT SEEDLINGS. AT THE TOP AND AS NEEDED MID-SLOPE 4. FILTER SOCKS INTENDED TO BE LEFT AS A

OFFD MIV	SEEDING RATE		NOTEC			
SEED MIX	LBS/ACRE	LBS/1000 FT ²	NOTES:			
	(GENERAL USE				
CREEPING RED FESCUE	20-40	1/2-1	FOR CLOSE MOWING AND FOR			
DOMESTIC RYEGRASS	10-20	1/4-1/2	WATERWAYS WITH <2.0 FT/SEC VELOCITY			
KENTUCKY BLUEGRASS	20-40	1/2-1				
TALL FESCUE	40-50	1-1 1/4				
TURF-TYPE (DWARF) FESCUE	90	2 1/4				
	STEEP BA	ANKS OR CUT SLO	OPES			
TALL FESCUE	40-50	1-1 1/4				
CROWN VETCH	10-20	1/4-1/2	DO NOT SEED LATER THAN AUGUST			
TALL FESCUE	20-30	1/2-3/4				
FLAT PEA	20-25	1/2-3/4	DO NOT SEED LATER THAN AUGUST			
TALL FESCUE	20-30	1/2-3/4				
	ROAD D	ITCHES AND SWAI	LES			
TALL FESCUE	40-50	1-1 1/4				
TURF-TYPE (DWARF) FESCUE	90	2 1/4				
KENTUCKY BLUEGRASS	5	0.1				
		LAWNS				
KENTUCKY BLUEGRASS	100-120	2				
PERENNIAL RYEGRASS		2				
KENTUCKY BLUEGRASS	100-120	2	FOR SHADED AREAS			
CREEPING RED RESCUE		1-1/2				

ADDITIONAL PERMANENT SEEDING REQUIREMENTS:

- 1. PERMANENT SEEDING IS REQUIRED FOR ANY DISTURBED AREA THAT WILL LIE DORMANT FOR ONE YEAR OR MORE WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE.
- 2. PERMANENT SEEDING IS REQUIRED FOR ANY AREA WITHIN 50 FEET OF A SURFACE WATER BODY OF THE STATE AND AT FINAL GRADE WITHIN 2 DAYS OF REACHING FINAL GRADE.
- 3. PERMANENT SEEDING IS REQUIRED FOR ANY AREA AT FINAL GRADE WITHIN 7 DAYS OF REACHING FINAL GRADE.

PERMANENT SEEDING SPECIFICATIONS

SEEDING DATES	SPECIES	LB/1000 FT²	LB/ACRES
MARCH 1 TO AUGUST 15	OATS	3	128 (4 BUSHEL)
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	PERENNIAL RYEGRASS	1	40
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	ANNUAL RYEGRASS	1.25	55 142 17 17 128 (4 BUSHEL) 40
	PERENNIAL RYEGRASS	3.25	142
	CREEPING RED FESCUE	0.4	17
	KENTUCKY BLUEGRASS	0.4	17
	OATS	3	128 (4 BUSHEL)
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
AUGUST 16 TO NOVEMBER 1	RYE	3	40 40 40 55 142 17 17 128 (4 BUSHEL) 40
	TALL FESCUE	1	
	ANNUAL RYEGRASS	1	
	WHEAT	3	
	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	PERENNIAL RYEGRASS	1	40
AUGUST 16 TO NOVEMBER 1	TALL FESCUE	1	40
	ANNUAL RYEGRASS	1	40
	ANNUAL RYEGRASS	1.25	40
	PERENNIAL RYEGRASS	3.25	40
	CREEPING RED FESCUE	0.4	40
	KENTUCKY BLUEGRASS	0.4	

ADDITIONAL TEMPORARY STABILIZATION NOTES:

NOTE: OTHER APPROVED SEED SPECIES MAY BE APPROVED.

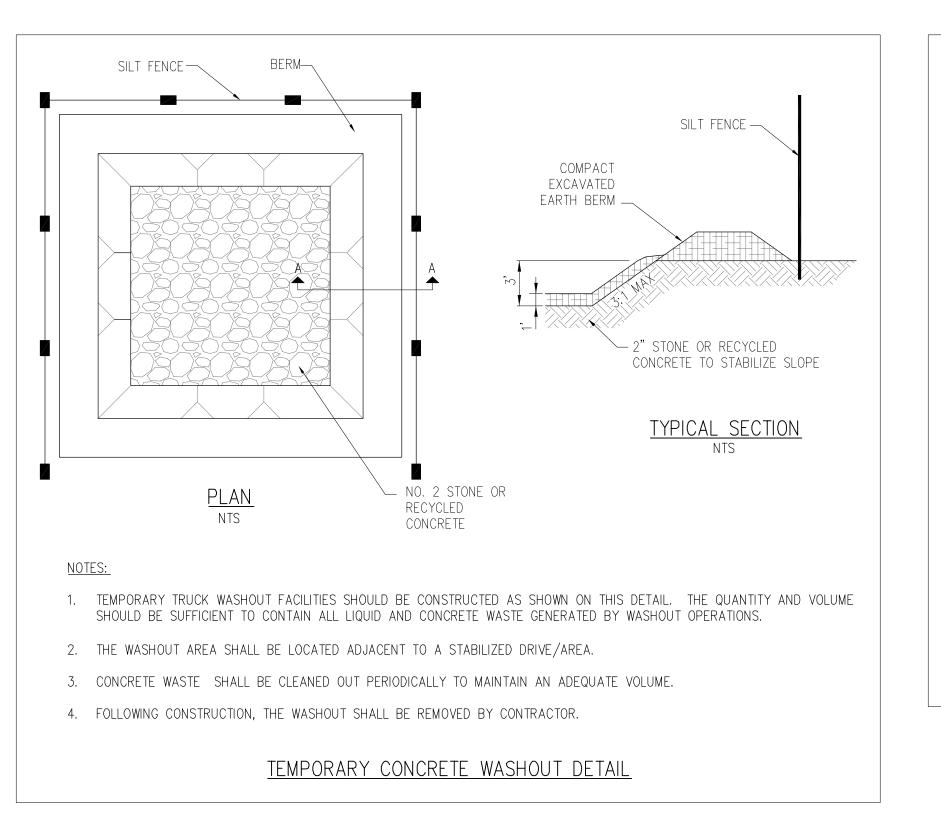
NOVEMBER 1 TO FEBRUARY 29

1. TEMPORARY SEEDING IS REQUIRED FOR ANY AREAS THAT WILL REMAIN IDLE OVER THE WINTER PRIOR TO THE ONSET OF WINTER WEATHER.

USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.

- 2. TEMPORARY SEEDING IS REQUIRED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE FOR AN AREA WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE THAT WILL REMAIN IDLE FOR 14 DAYS OR MORE.
- 3. TEMPORARY SEEDING IS REQUIRED ON ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL LIE DORMANT FOR MORE THAN 14 DAYS, BUT LESS THAN ONE YEAR AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE.

TEMPORARY SEEDING SPECIFICATIONS



CONSTRUCTION ENTRANCE

(NOT TO SCALE)

TRAFFIC AREAS BUT NOT LESS THAN 70 FT. 8. WATER BAR-A WATER BAR SHALL BE

GEOTEXTILE SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

50 LBS.

320 PSI

EOS<0.6 MM

1X10-3 CM./SEC.

20%

SHALL BE USED, OR RECYCLED CONCRETE

LENGTH-THE CONSTRUCTION ENTRANCE SHALL

BE AS LONG AS REQUIRED TO STABILIZE HIGH

(EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE

THICKNESS—THE STONE LAYER SHALL BE AT

LEAST 6 INCHES THICK FOR LIGHT DUTY

ENTRANCES OR AT LEAST 10 INCHES FOR

WIDTH-THE ENTRANCE SHALL BE AT LEAST 14

WIDTH AT POINTS WHERE INGRESS OR EGRESS

FEET WIDE, BUT NOT LESS THAN THE FULL

6. GEOTEXTILE—A GEOTEXTILE SHALL BE LAID

FOLLOWING SPECIFICATIONS:

OVER THE ENTIRE AREA PRIOR TO PLACING

6. TIMING-THE CONSTRUCTION ENTRANCE SHALL

BEFORE MAJOR GRADING ACTIVITIES.

BE INSTALLED AS SOON AS IS PRACTICABLE

MINIMUM TENSILE STRENGTH

MINIMUM TEAR STRENGTH

MINIMUM ELONGATION

PERMITTIVITY

MINIMUM BURST STRENGTH

EQUIVALENT OPENING SIZE

MINIMUM PUNCTURE STRENGTH 80 PSI

STONE. IT SHALL BE COMPOSED OF STRONG

ROT-PROOF POLYMERIC FIBERS AND MEET THE

EQUIVALENT.

RESIDENCE LOTS).

HEAVY DUTY USE.

STONE SIZE-ODOT #2(1.5-2.5 INCH) STONE 7. CULVERT-A PIPE OR CULVERT DISCONSTRUCTED

UNDER THE ENTRANCE IF NEEDED TO PREVENT

LIFTING STRAPS

MOVEMENT OF

UNIT WITH GRATE-

GRATE INTO ITS FRAME.

COMPLETELY SURROUNDED BY PAVEMENT.

ALLOW EASY

STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN POUCH, ON THE

BOTTOM (BELOW-GRADE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP. TUCK

THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF

UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE

REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

ADS FLEX-STORM IS AN ACCEPTABLE INLET PROTECTION ALTERNATIVE.

CONTAINMENT AREA OF THE DANDY BAG® AS NEEDED. IF USING OPTIONAL OIL ABSORBENTS;

** DANDY BAGS MAY ONLY BE USED FOR INLET PROTECTION WHEN THE DRAINAGE STRUCTURE IS

(DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE

SURFACE WATER FROM FLOWING ACROSS THE

BEING DIRECTED OUT ONTO PAVED SURFACES.

CONSTRUCTED AS PART OF THE CONSTRUCTION

ENTRANCE IF NEEDED TO PREVENT SURFACE

RUNOFF FROM FLOWING THE LENGTH OF THE

CONSTRUCTION ENTRANCE AND OUT ONTO

STONE SHALL BE APPLIED AS CONDITIONS

TRACKED ONTO PUBLIC ROADS, OR ANY

IMMEDIATELY. REMOVAL SHALL BE

10. CONSTRUCTION ENTRANCES SHALL NOT BE

THAT ENTER AND LEAVE THE

FROM MUDDY AREAS.

ROADWAY OR ENTRANCE.

DEMAND. MUD SPILLED, DROPPED, WASHED OR

SURFACE WHERE RUNOFF IS NOT CHECKED BY

RELIED UPON TO REMOVE MUD FROM VEHICLES

AND PREVENT OFF-SITE TRACKING. VEHICLES

CONSTRUCTION—SITE SHALL BE RESTRICTED

STABILIZED OR REPLACED WITH A PERMANENT

11. REMOVAL-THE ENTRANCE SHALL REMAIN IN

PLACE UNTIL THE DISTURBED AREA IS

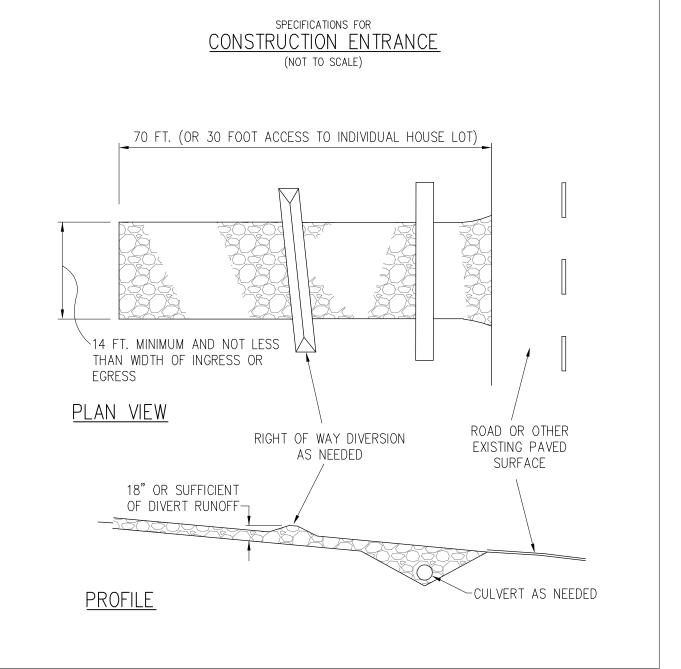
SEDIMENT CONTROLS. SHALL BE REMOVED

ACCOMPLISHED BY SCRAPING OR SWEEPING.

9. MAINTENANCE-TOP DRESSING OF ADDITIONAL

PAVED SURFACES.

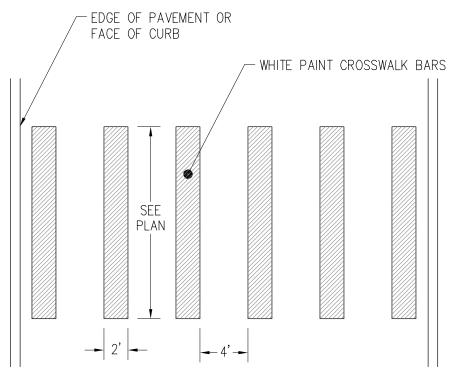
ENTRANCE OR TO PREVENT RUNOFF FROM



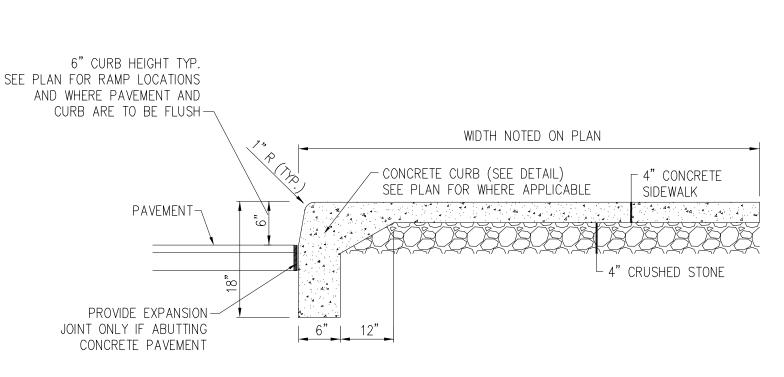
APPENDIX I — GRADING AND STABILIZATION ACTIVITIES LOG						
		T	- SWPPI	P CONTACT:		
ACTIVITY	DESCRIPTION OF GRADING ACTIVITY	DATE GRADING ACTIVITY CEASED (INDICATE	STABI	WHEN LIZATION MEASURES	DESCRIPTION OF STABILIZATION MEASURE AND LOCATION	
INITIATED		TEMPORARY OR PERMAN	IENT) ARE I	NITIATED		

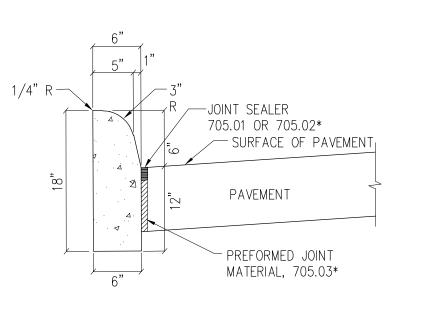
SWPPP CONTACT:

AMENDMENT



CONCRETE INTEGRAL CURB AND WALK DETAIL





TYPE 6

CONCRETE CURB DETAIL

NOTE 1 - ODOT ITEM 407 TACK COAT TO BE APPLIED BETWEEN 441 AND 301 AT 0.04 GAL/SY __1.5" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE -3" ODOT ITEM 301 BITUMINOUS AGGREGATE BASE ┌7" ODOT ITEM 304 AGGREGATE BASE COURSE ODOT ITEM 203 SUBBASE

ASPHALT PAVEMENT DETAIL (STANDARD DUTY)

NTS

checked by:
sheet number:
C104

01-17076

URBANICK E - 66506

greenland ENGINEERING 440.269.3221 WWW.GREENLANDENG.COM

 $\sim\sim\sim\sim$ 06.04.2018 - Addendum #2 05.07.2018 Revision 03.14.2018