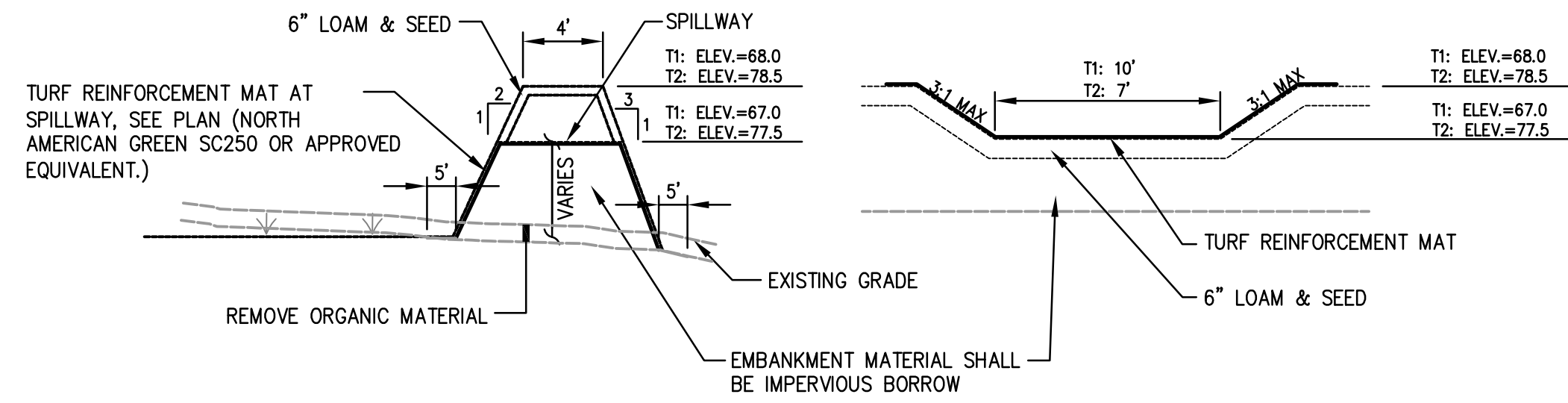
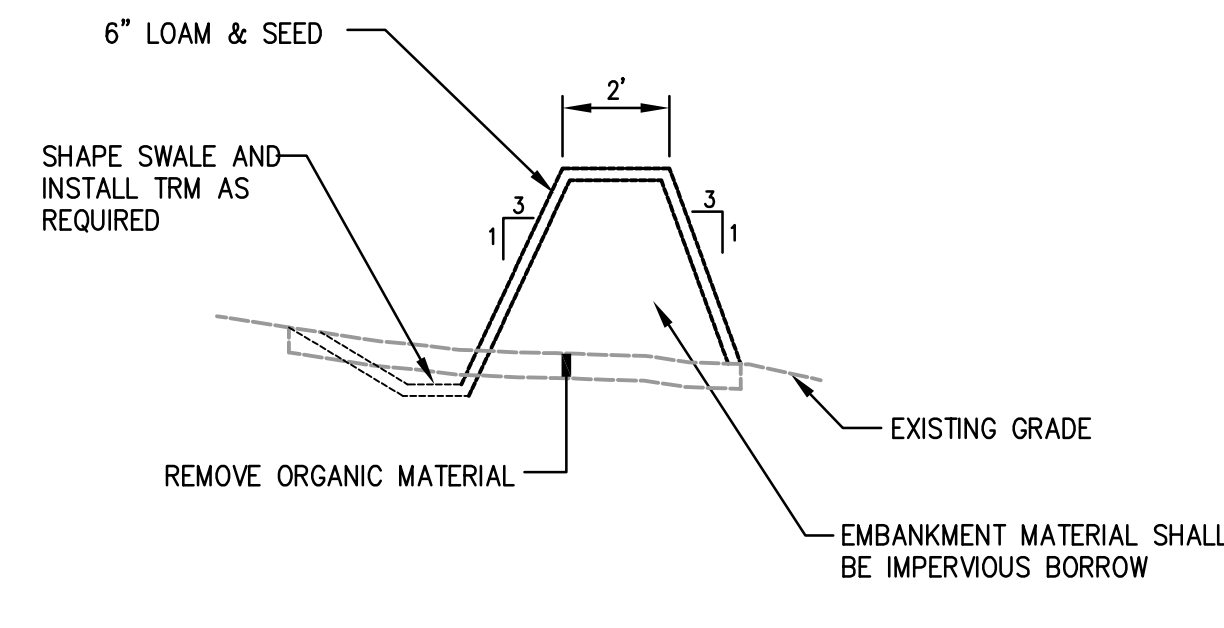


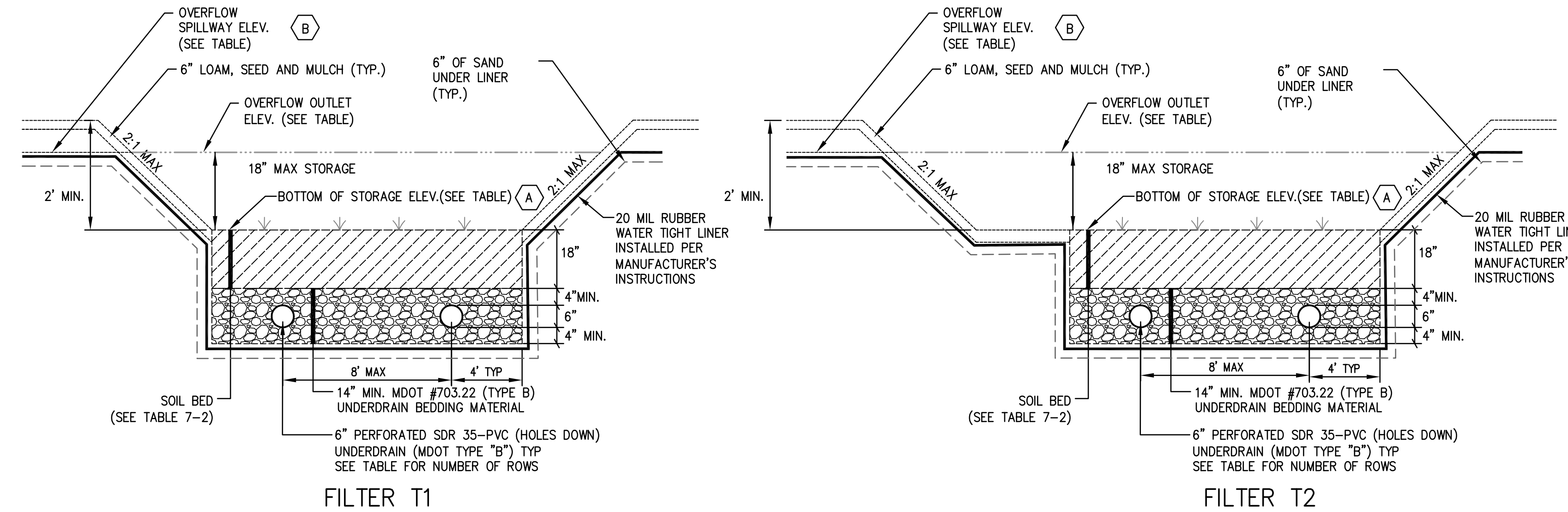
NOTE: CONTRACTOR SHALL INSTALL EROSION CONTROL BLANKETS SUCH AS CURLEX 11 EROSION CONTROL BLANKET FROM AMERICAN EXCELSIOR COMPANY OR APPROVED EQUAL ON ALL ALL 2:1 SLOPES.



1 TYPICAL EMBANKMENT/SPILLWAY DETAIL
SCALE: N.T.S.



2 DIVERSION BERM DETAIL
SCALE: N.T.S.



4 GRASSED UNDERDRAINED SOIL FILTER - TYP. CROSS SECTION
SCALE: N.T.S.

GRASSED UNDERDRAINED SOIL FILTER #	BOTTOM ELEV. (A)	FILTER LENGTH	OVERFLOW OUTLET ELEV. (B)	ROWS OF PIPE PER FILTER	UNDERDRAIN INVERT	UNDERDRAIN OUTLET INVERT	PEAK WATER ELEVATION			
							2 YEAR STORM	10 YEAR STORM	25 YEAR STORM	100 YEAR STORM
T1	65.5	110'	67.0	2	63.2	63.1	67.1	67.3	67.3	67.4
T2	76.0	106'	77.5	3	73.7	73.5	77.3	77.7	77.7	77.8

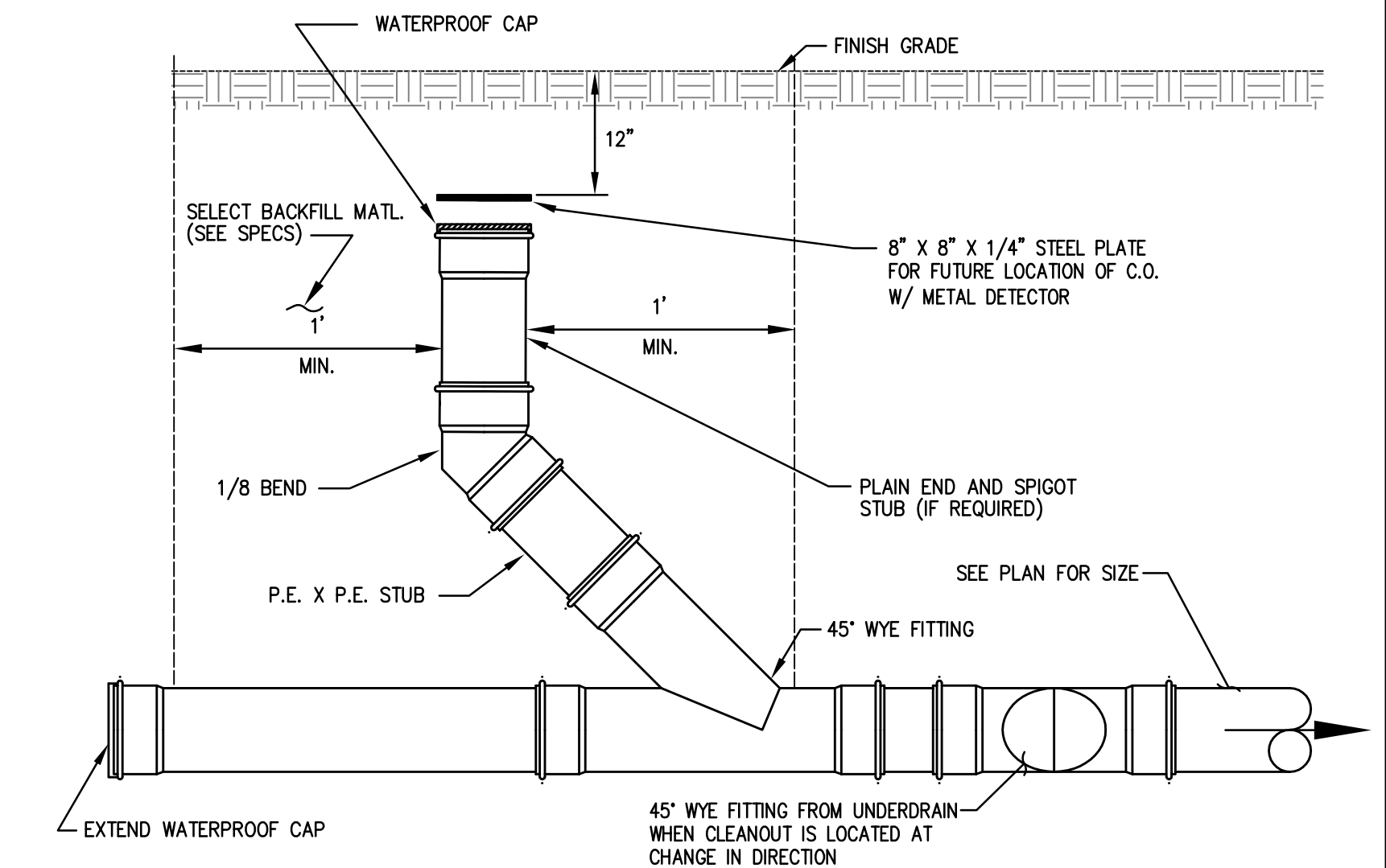
Sieve Size	% by Weight
Underdrain Type B	
1"	90-100
1/2"	75-100
#4	50-100
#20	15-80
#50	0-15
#200	0-5

Filter Media	Mixture by Volume	Specification
Sand	50%-55%	MDOT Specification #703.01 Fine Aggregate for Concrete (see Table 7-3)
Topsoil	20%-30%	Loamy sand topsoil with minimal clay content and between 15 to 25% fines passing the #200 sieve
Mulch	20%-30%	Moderately fine, shredded bark or wood fiber mulch (organic material well composed with no manure or stump grindings) with less than 5% passing the 200 sieve

Sieve Size	% by Weight
3/8"	100
#4	95-100
#8	80-100
#16	50-85
#30	25-60
#60	10-30
#100	2-10
#200	0-5

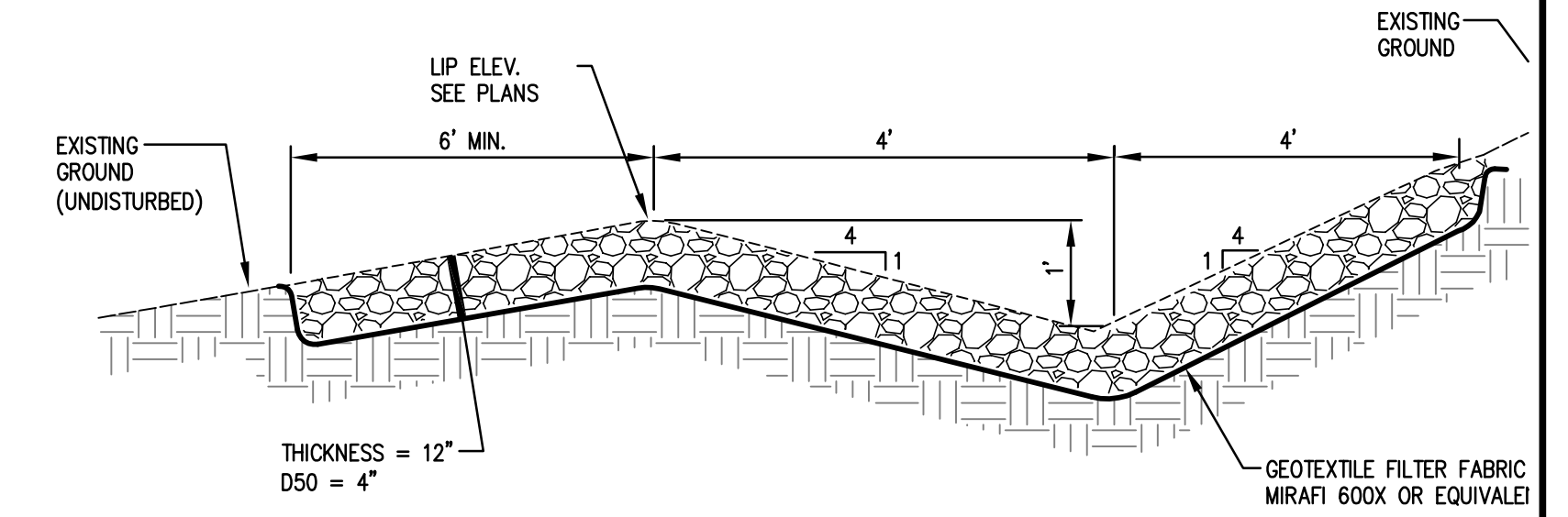
GRASSED UNDERDRAINED SOIL FILTER SEEDING NOTES:
 1. THE SOIL BED SHALL BE SEEDED WITH THE CONSERVATION II MIX AS MIXED AND PACKAGED BY SEEDWAY, LLC AND DISTRIBUTED BY R.E. BELANGER & SON OF LEWISTON, MAINE (207) 576-5845 OR APPROVED EQUIVALENT.
 2. CONSERVATION II MIX IS COMPRISED OF THE FOLLOWING PLANT SPECIES:
 - 25% CREEPING RED FESCUE
 - 20% PERENNIAL RYEGRASS
 - 20% ANNUAL RYEGRASS
 - 15% K-31 TALL FESCUE
 - 15% KENTUCKY BLUEGRASS
 - 5% WHITE CLOVER
 3. SEEDING RATE PER THE DISTRIBUTOR TO BE 60-70 LBS PER ACRE WHEN BROADCAST.

GRASSED UNDERDRAINED SOIL FILTER NOTES:
 1. THE SOIL BED SHALL CONSIST OF THE FOLLOWING:
 18" SOIL FILTER BED (SEE TABLE 7-2)
 14" MDOT #703.22 (TYPE B) (SEE TABLE 7-1)
 2. THE SOIL BED SHALL BE 18 INCHES IN DEPTH.
 3. THE SOIL BED MATERIAL SHALL BE LIGHTLY COMPACTED (90% TO 92% STANDARD PROCTOR) USING WATER. IF HEAVY COMPACTION OCCURS, ROTOTILL AGAIN PRIOR TO SEEDING OR SODDING.
 4. SEE BELOW FOR SEEDING INFORMATION.
 5. REFER TO GRADING PLANS FOR UNDERDRAIN LAYOUT.
 6. THE MAXIMUM DISTANCE BETWEEN UNDERDRAIN PIPES SHALL BE 8 FEET.
 7. GRASSED UNDERDRAINED SOIL FILTER MEDIA SHALL NOT BE INSTALLED UNTIL THE TRIBUTARY AREA HAS BEEN PERMANENTLY STABILIZED.
 8. SEE SHEET C-201 FOR EXTENTS OF FILTER MEDIA.

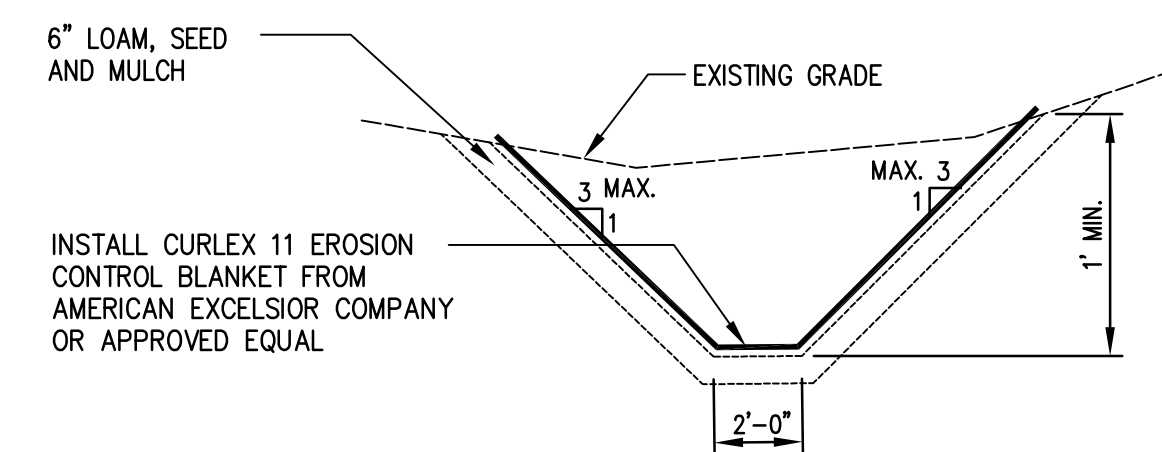


3 SEWER AND UNDERDRAIN CLEANOUT
SCALE: N.T.S.

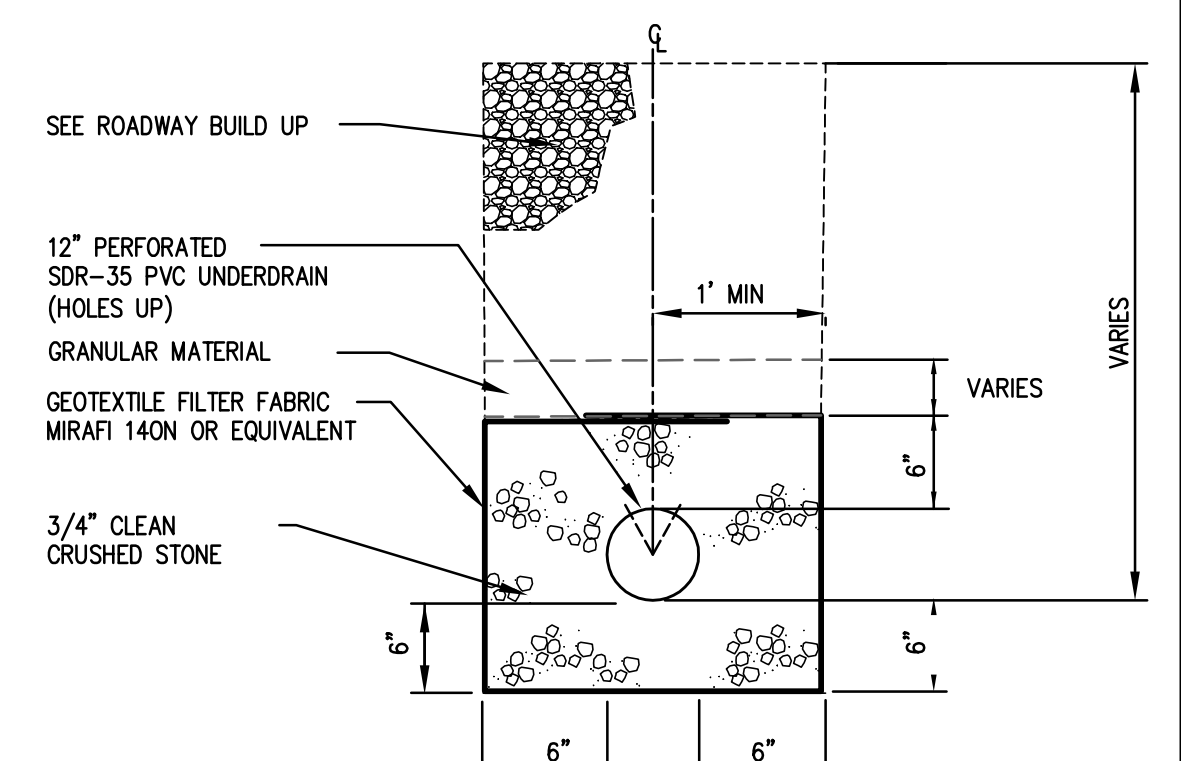
NOTES:
 1. CONSTRUCT LEVEL LIP ON ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF SEDIMENT - FREE RUNOFF (CONVERTING CHANNEL FLOW TO SHEET FLOW).
 2. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.
 3. TURF REINFORCEMENT MAT IS A SUITABLE SUBSTITUTE FOR RIPRAP. PROVIDE SPECIFICATIONS TO ENGINEER FOR APPROVAL.



5 RIPRAP LEVEL SPREADER - TYPICAL SECTIONS
SCALE:



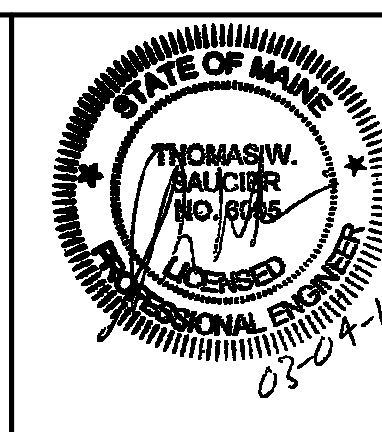
6 DRAINAGE SWALE DETAIL
SCALE: N.T.S.



7 TYPE C UNDERDRAIN TRENCH
SCALE: N.T.S.

Quantity Notes: A: 10 (shown) B: 10 (shown) C: 10 (shown) D: 10 (shown) E: 10 (shown) F: 10 (shown) G: 10 (shown) H: 10 (shown) I: 10 (shown) J: 10 (shown)

REV.	DATE	STATUS	BY	CHKD.	APPD.	REV.	DATE	STATUS	BY	CHKD.	APPD.
E	3/4/13	ISSUED TO THE TOWN OF FALMOUTH FOR FOR FINAL SUBDIVISION REVIEW	DEPT.	PBB	TWS						
D	2/19/13	REVISED AND ISSUED TO THE CITY OF PORTLAND FOR FINAL SUBDIVISION REVIEW	DEPT.	PBB	TWS						
C	2/8/13	ISSUED TO THE CITY OF PORTLAND FOR FINAL SUBDIVISION REVIEW	DEPT.	PBB	TWS						
B	1/9/13	ISSUED TO THE TOWN OF FALMOUTH FOR PRELIMINARY PLAN REVIEW	DEPT.	PBB	PBB						
A	1/01/13	SUBMITTED TO CITY OF PORTLAND FOR WORKSHOP	DEPT.	PBB	TWS						



LAND DESIGN SOLUTIONS
 LAND PLANNING, SITE PLANNING & LANDSCAPE ARCHITECTURE
 P.O. Box 316, 160 Longwoods Road, Cumberland, ME 04081 tel: (207) 494-7171
 CLIENT: **TPO PROPERTIES, LLC**
 30 LEDGEWOOD DRIVE, FALMOUTH, MAINE 04104

DESIGN:	PROJ. NO.	REV.
PBB		
DRAWN:	DWG. NO.	
DEPT.		
CHKD:	SCALE:	
PBB	AS NOTED	
DATE:	SCALE:	
MAY 2012		
SCALE:	SCALE:	
AS NOTED		

OLD BARN ESTATES
1062 OCEAN AVENUE, PORTLAND, MAINE

SITE DETAILS

C-302