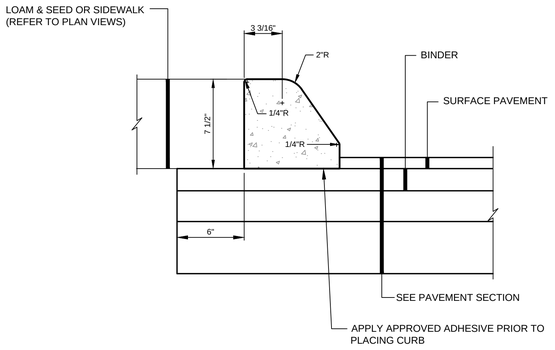
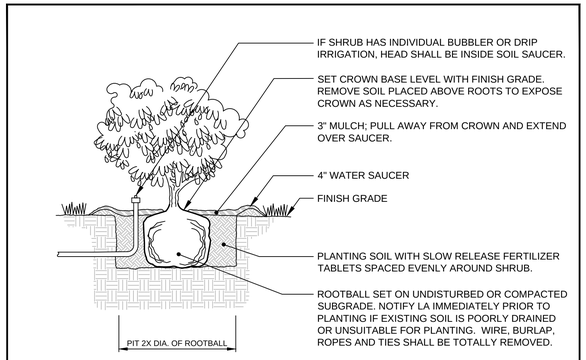
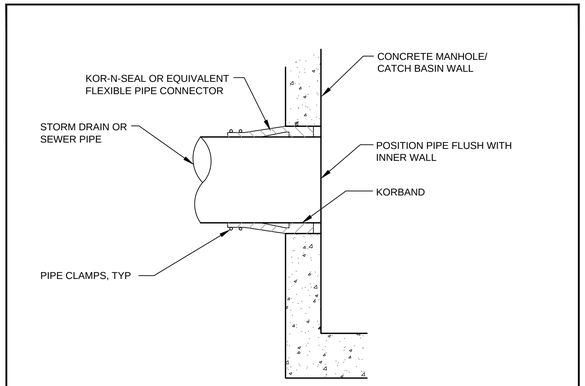


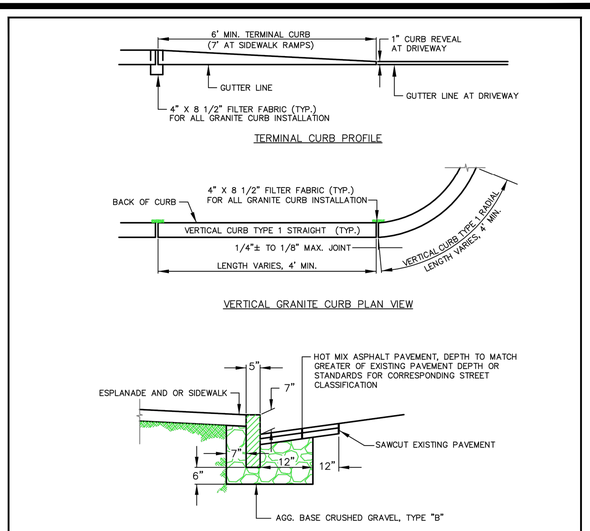
(A) STANDARD DUTY SLIP FORM CONCRETE CURB
N.T.S.



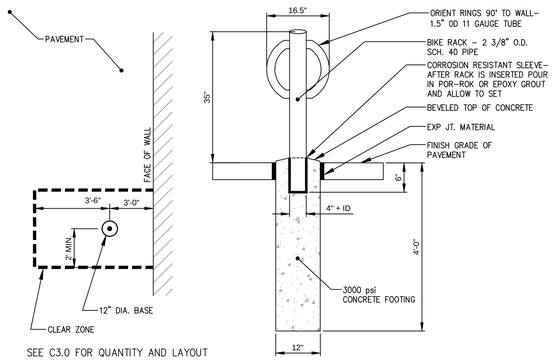
(D) SHRUB INSTALLATION DETAIL
N.T.S.



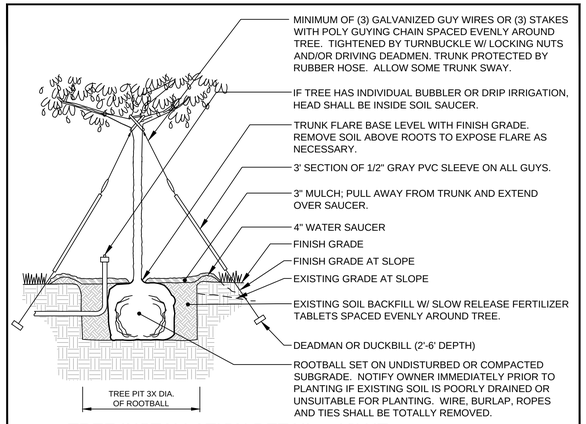
(G) PIPE CONNECTION TO EXISTING STRUCTURE DETAIL
N.T.S.



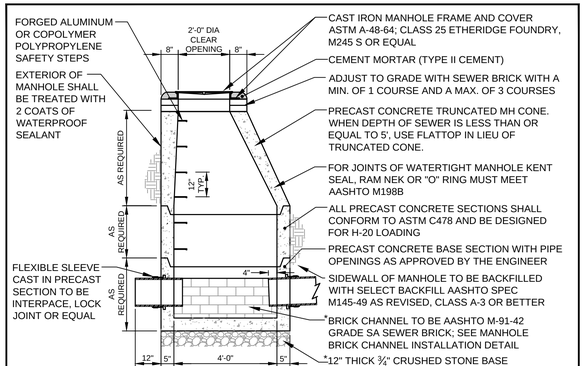
(J) VERTICAL GRANITE CURB INSTALLATION IN EXISTING STREETS
N.T.S.



(B) BIKE HITCH MOUNTING DETAIL
N.T.S.



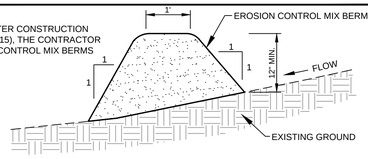
(E) TREE INSTALLATION DETAIL: >10' HT.
N.T.S.



(H) 4'-0" DIA. PRECAST SEWER AND STORM DRAIN MANHOLE DETAIL
N.T.S.

*NOTE:
CHANNEL MAY ALSO BE A PREFABRICATED FIBERLINER 2000 CHANNEL AS FABRICATED BY GDT, INC. OF ESSEX, CT OR EQUAL

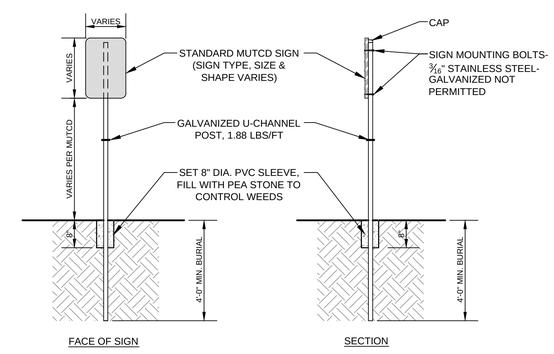
NOTE:
DURING PERIODS OF WINTER CONSTRUCTION (NOV. 15 THROUGH APRIL 15), THE CONTRACTOR SHALL INSTALL EROSION CONTROL MIX BERMS IN LIEU OF SILT FENCE.



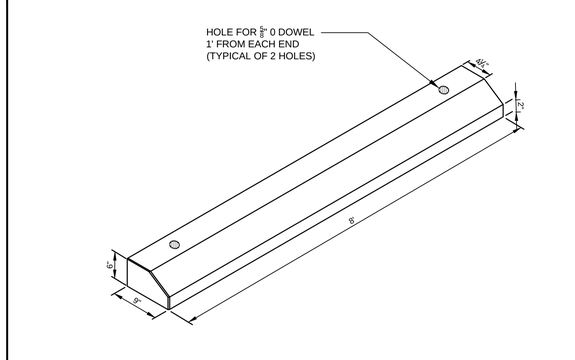
EROSION CONTROL MIX:
EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES & MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:

- THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100%, DRY WEIGHT BASIS.
- PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6" SCREEN & A MIN. OF 70%, MAX. OF 85%, PASSING A 0.75" SCREEN.
- THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
- LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
- SOLUBLE SALTS CONTENT SHALL BE < 4.0 mmhos/cm.
- PH SHALL FALL BETWEEN 5.0 AND 8.0.

(K) EROSION CONTROL MIX BERM DETAIL
N.T.S.

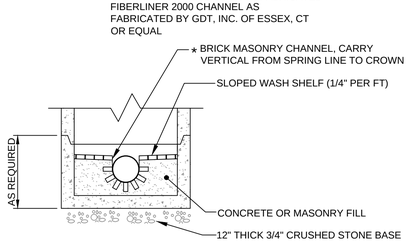


(C) TRAFFIC SIGN
N.T.S.



(F) PRECAST CURBING WHEEL STOP DETAIL
N.T.S.

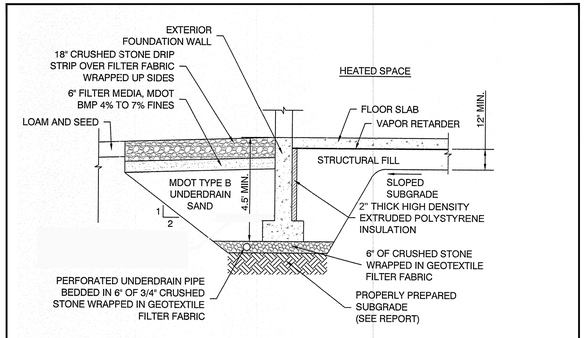
*NOTE:
CHANNEL MAY ALSO BE A PREFABRICATED FIBERLINER 2000 CHANNEL AS FABRICATED BY GDT, INC. OF ESSEX, CT OR EQUAL



NOTES:

1. BRICK CHANNEL TO BE AASHTO M-91-42 GRADE SA SEWER BRICK. *
2. MANHOLE TEST TO BE ACCOMPLISHED AFTER CHANNEL INSTALLATION IS COMPLETE.
3. WHERE THE ALIGNMENT CHANGES OR SIDE FLOW ENTERS THE MANHOLE, CONSTRUCT CHANNEL WITH A SMOOTH RADIAL CHANNEL TO ACCOMPLISH ALL JUNCTIONAL CHANGE OF ALIGNMENT WITHIN MANHOLE.

(I) MANHOLE BRICK CHANNEL INSTALLATION DETAIL
N.T.S.



NOTE:
UNDERDRAIN INSTALLATION AND MATERIAL GRADATION RECOMMENDATIONS ARE CONTAINED WITHIN THE GEOTECHNICAL REPORT.

(L) UNDERDRAIN DETAIL
N.T.S.

REV	DATE	DESCRIPTION
2	04.17.14	FINAL PLAN SUBMISSION TO CITY
1	02.10.14	SUBMITTED TO CITY OF PORTLAND

REVISIONS

STATE OF MAINE · STEPHEN R. BUSHEY · 7429 · LICENSED PROFESSIONAL ENGINEER

P.E. STEPHEN BUSHEY
LIC. # 7429

PROJECT: PH WARREN AVENUE, LLC
COMMERCIAL SITE
421 WARREN AVENUE

SHEET TITLE: DETAILS

CLIENT: PH WARREN AVENUE, LLC
C/O PETER HOLMES
12 WILDWOOD LANE
SCARBOROUGH, ME 04074

ENGINEERS FST Since 1974
FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN:	CMW	DATE:	NOVEMBER 2013
DESIGNED:	SRB	SCALE:	AS NOTED
CHECKED:	SRB	JOB NO.	SP-M104
FILE NAME:	SP-M104-DET		
SHEET	C-6.1		

PRELIMINARY - NOT FOR CONSTRUCTION

R:\SP-M104 Portland, ME Harbor Auto Body - Peter Holmes\Cadd\Permit Set\dwg\SP-M104-DET.dwg fillie_p 4/17/2014 10:08 AM