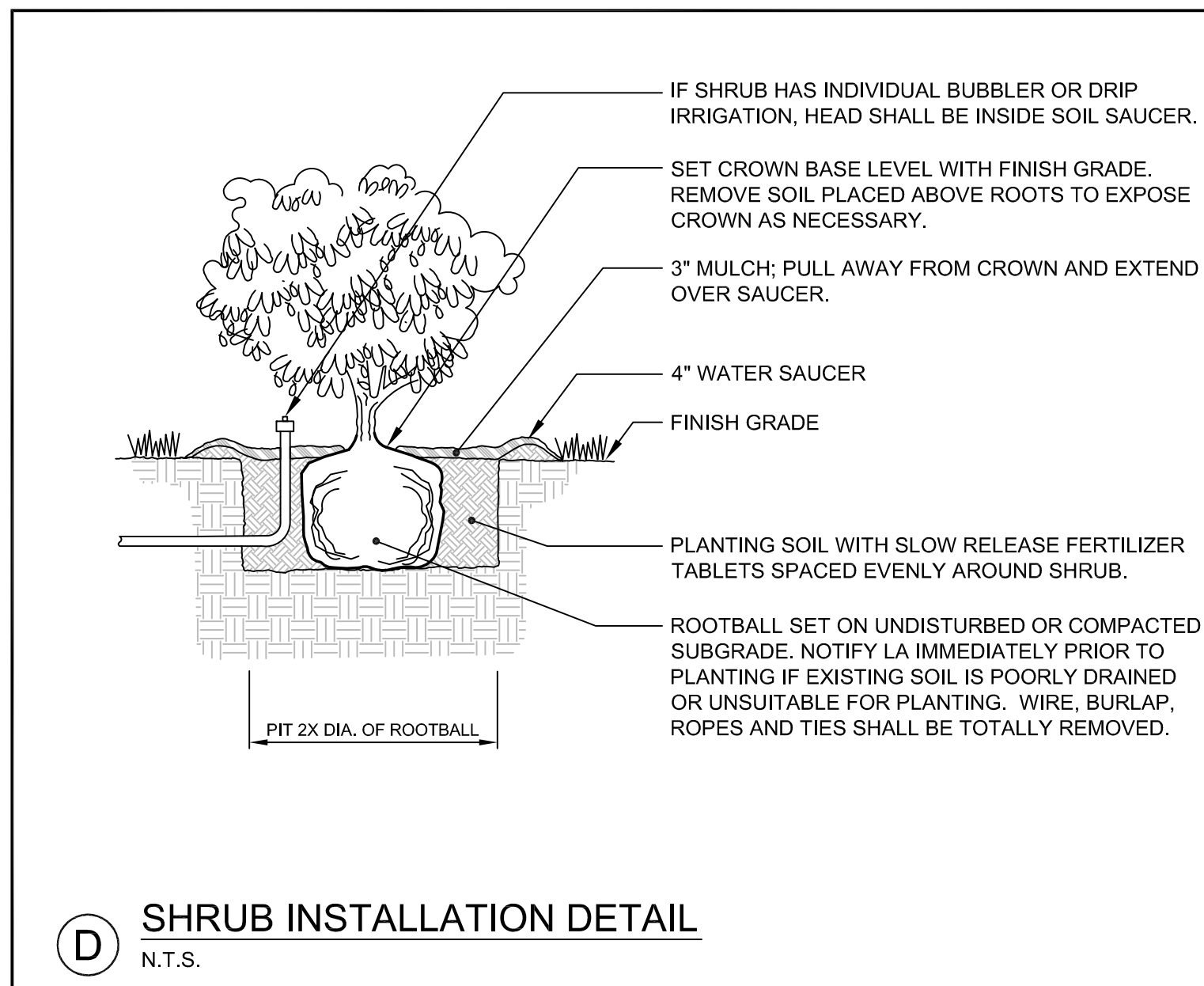
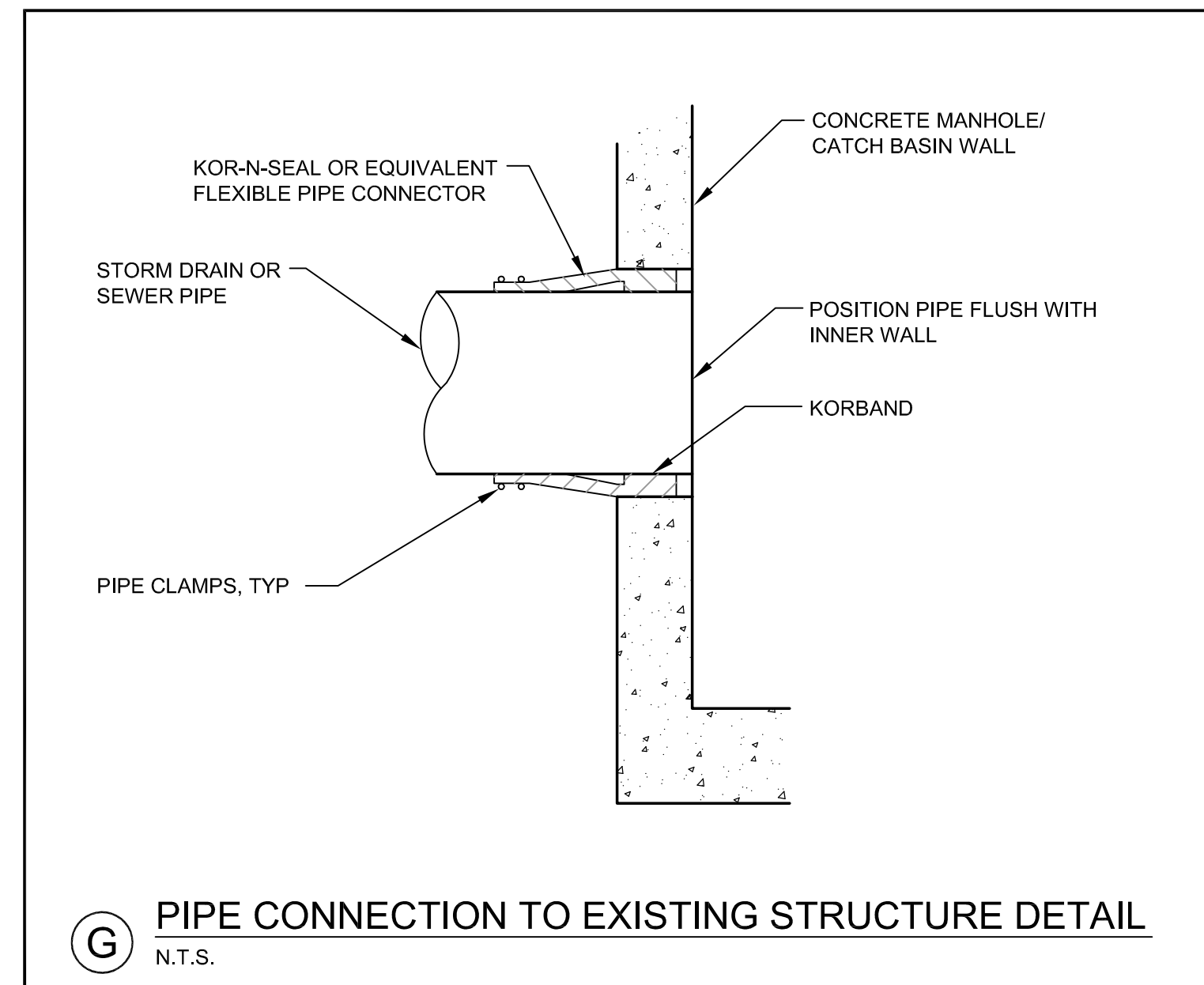


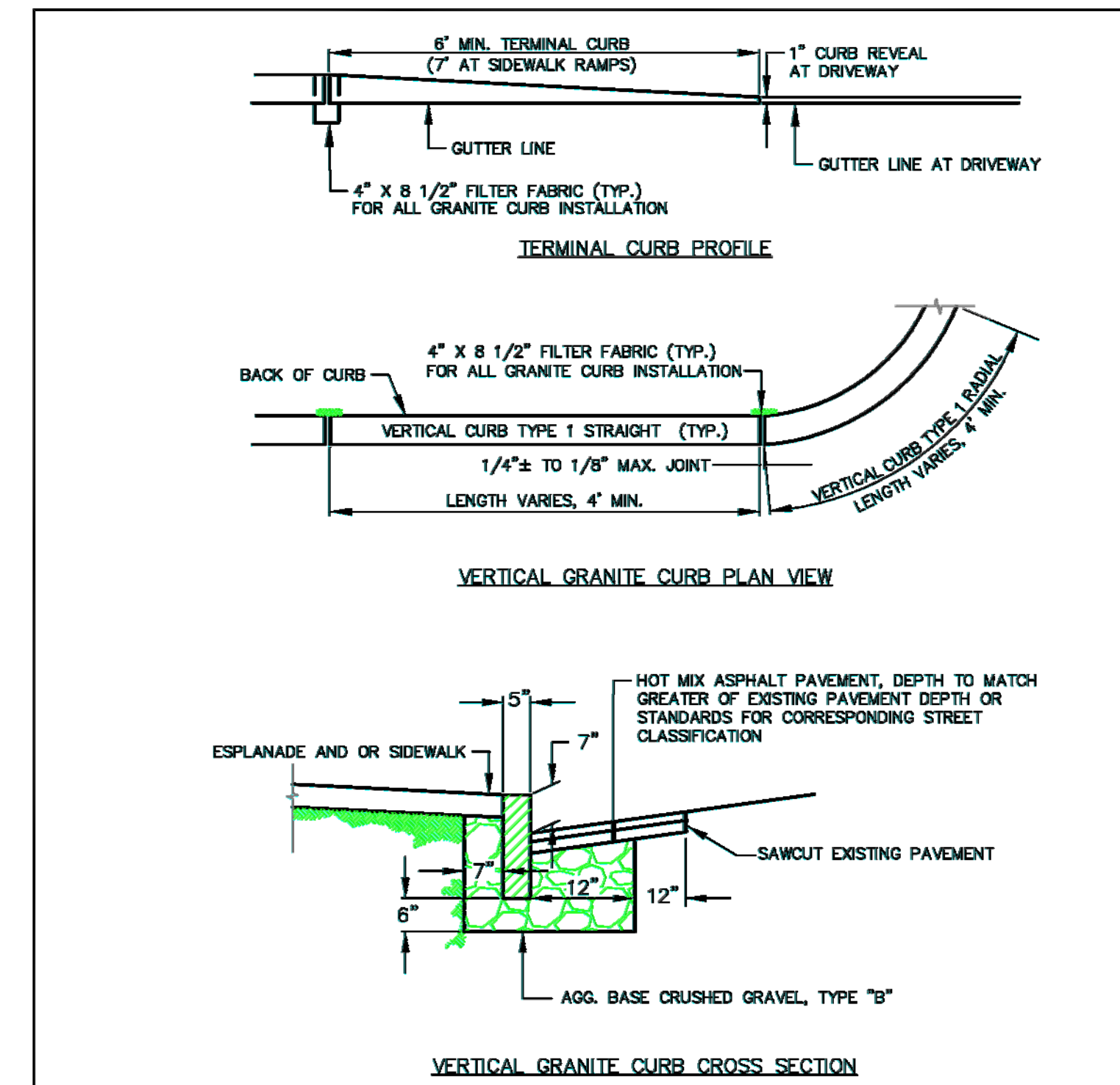
A STANDARD DUTY SLIP FORM CONCRETE CURB
N.T.S.



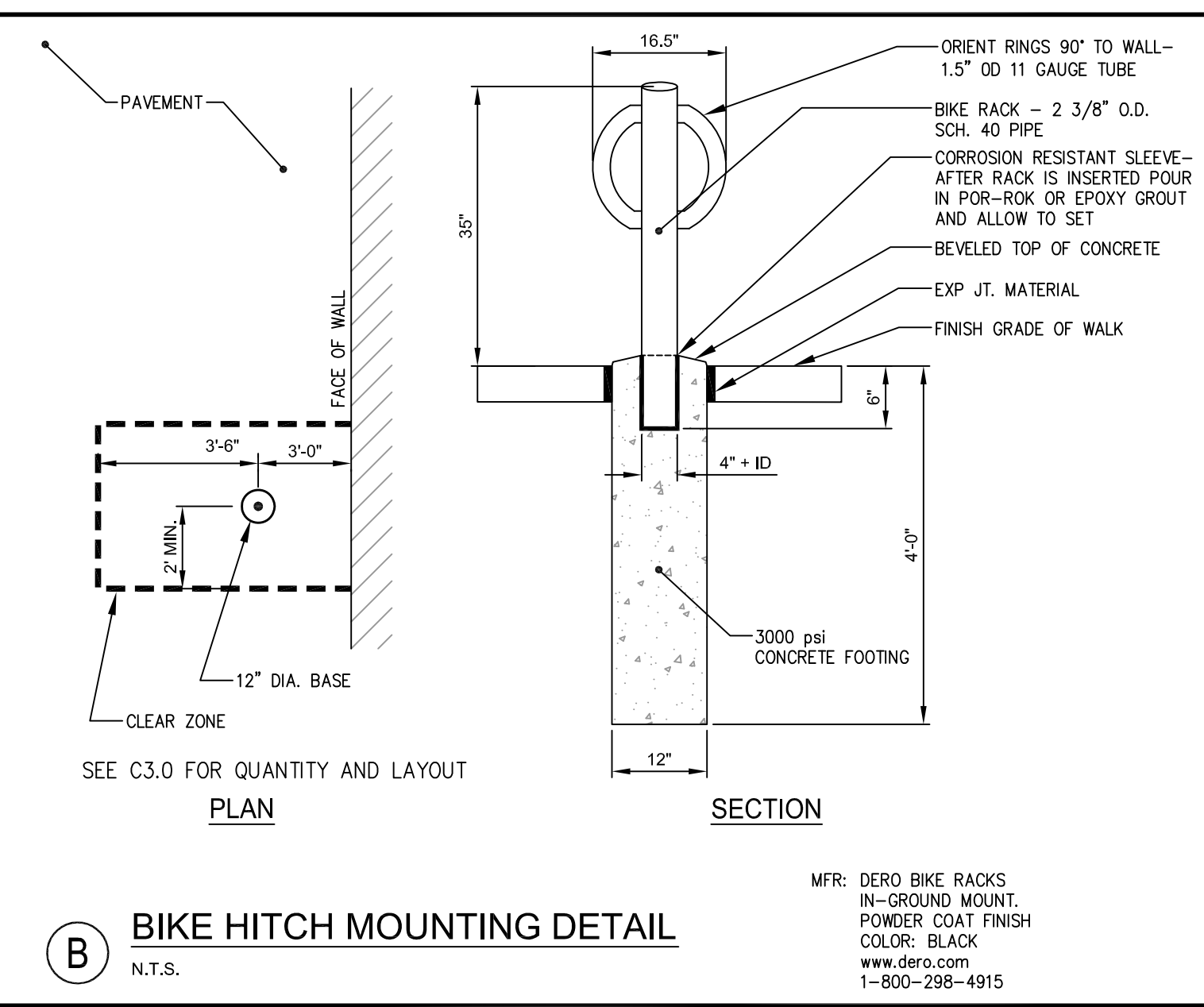
D SHRUB INSTALLATION DETAIL
N.T.S.



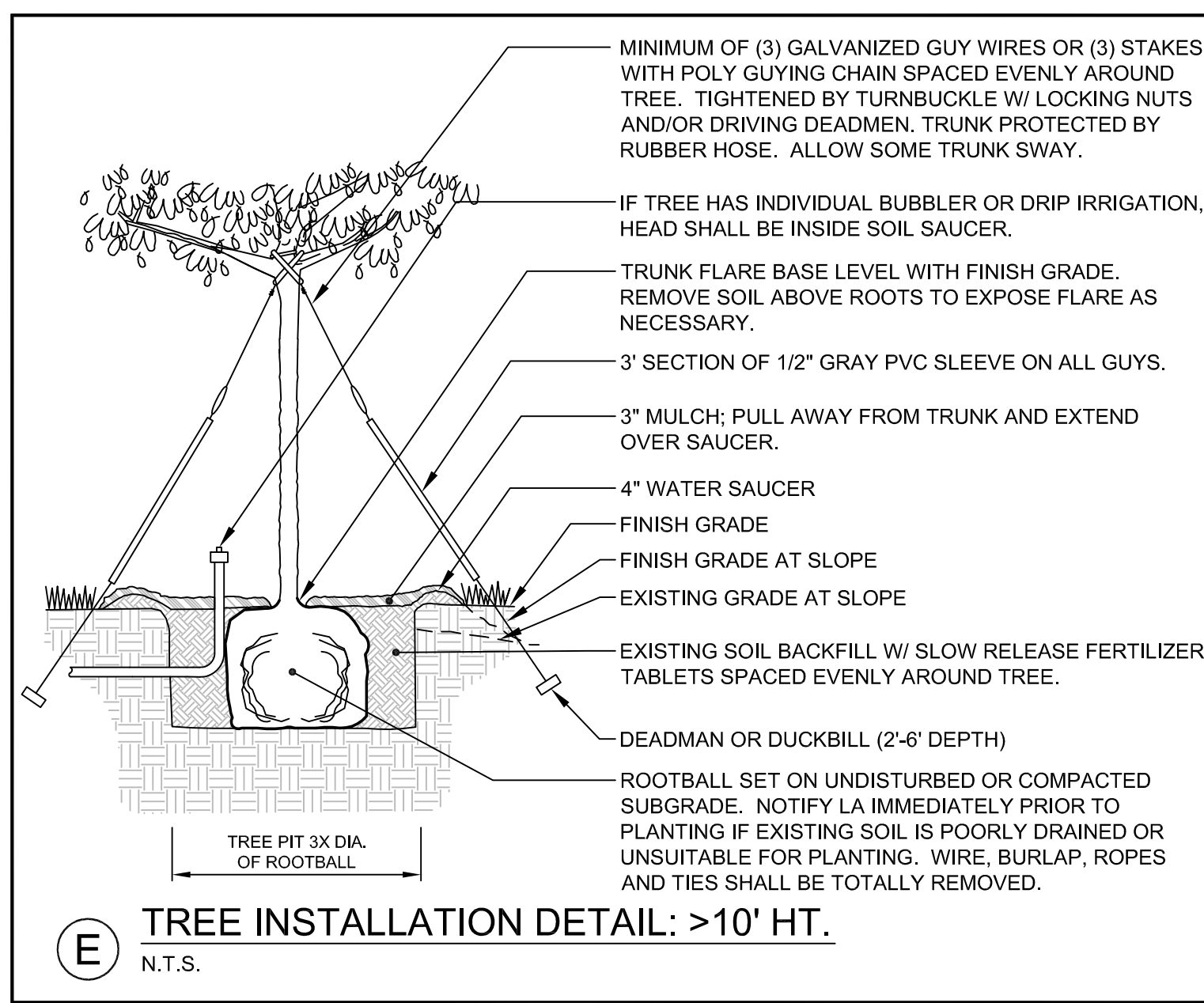
G PIPE CONNECTION TO EXISTING STRUCTURE DETAIL
N.T.S.



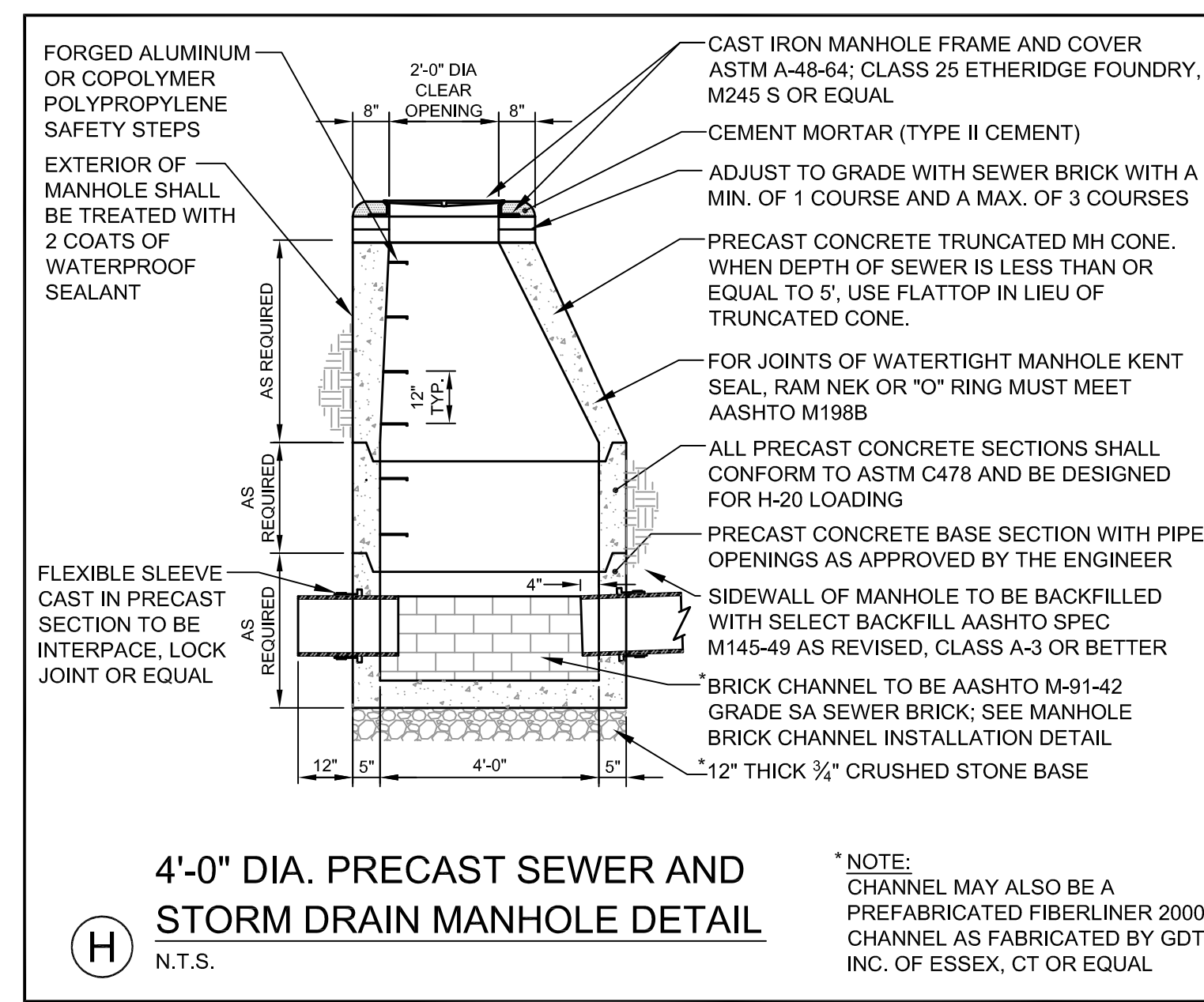
J VERTICAL GRANITE CURB
INSTALLATION IN EXISTING STREETS
N.T.S.



B BIKE HITCH MOUNTING DETAIL
N.T.S.

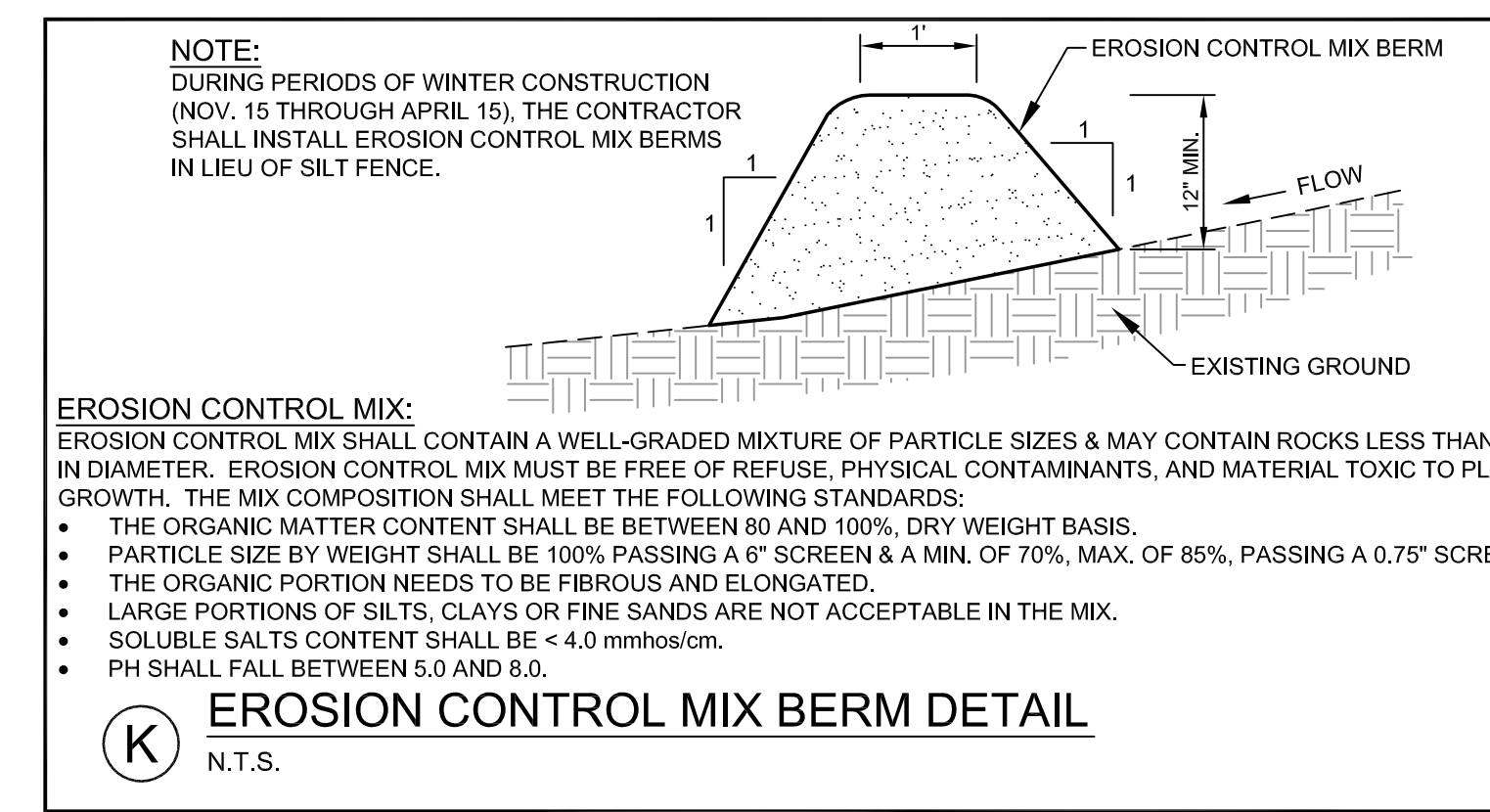


E TREE INSTALLATION DETAIL: >10' HT.
N.T.S.

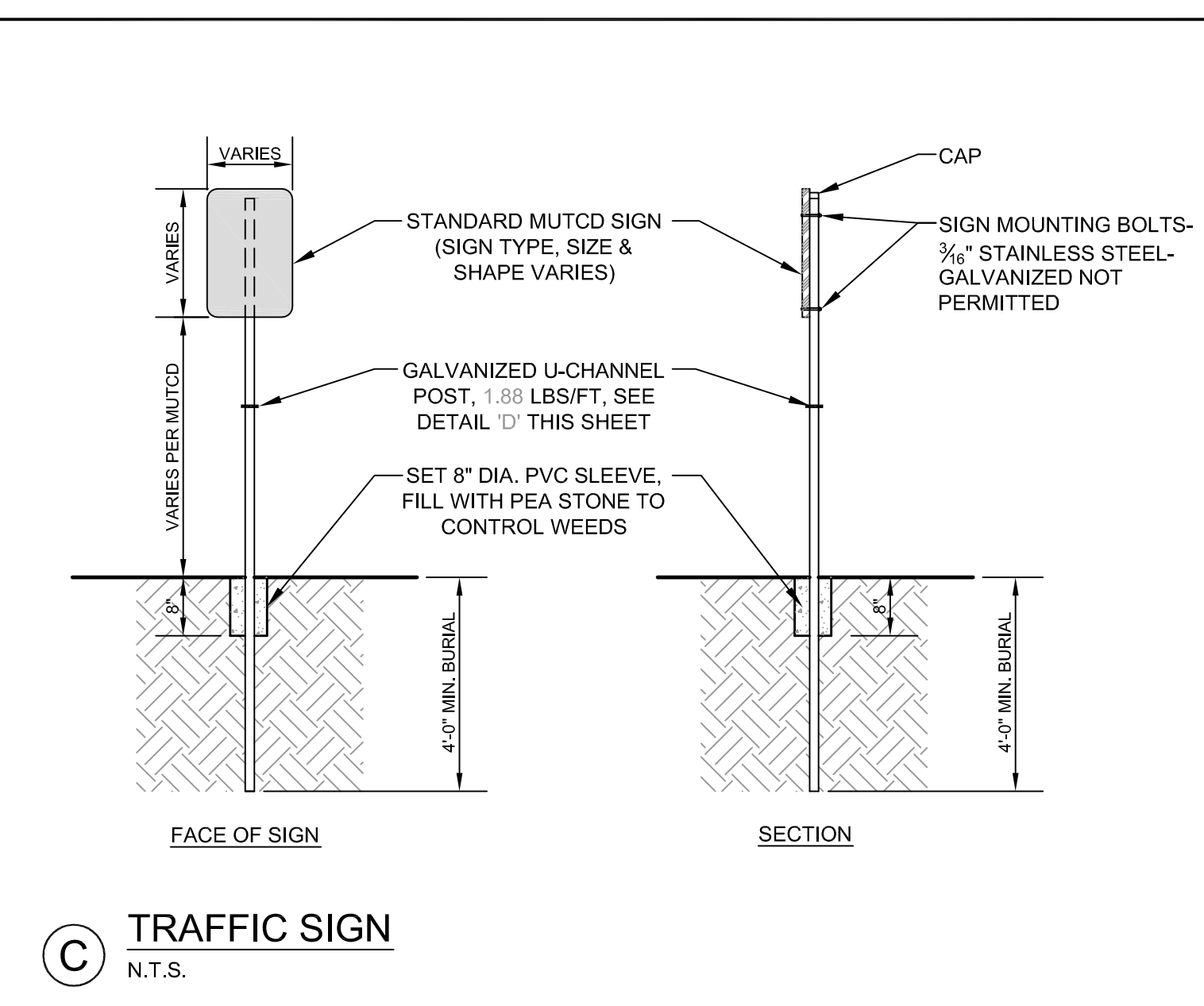


H 4'-0" DIA. PRECAST SEWER AND
STORM DRAIN MANHOLE DETAIL
N.T.S.

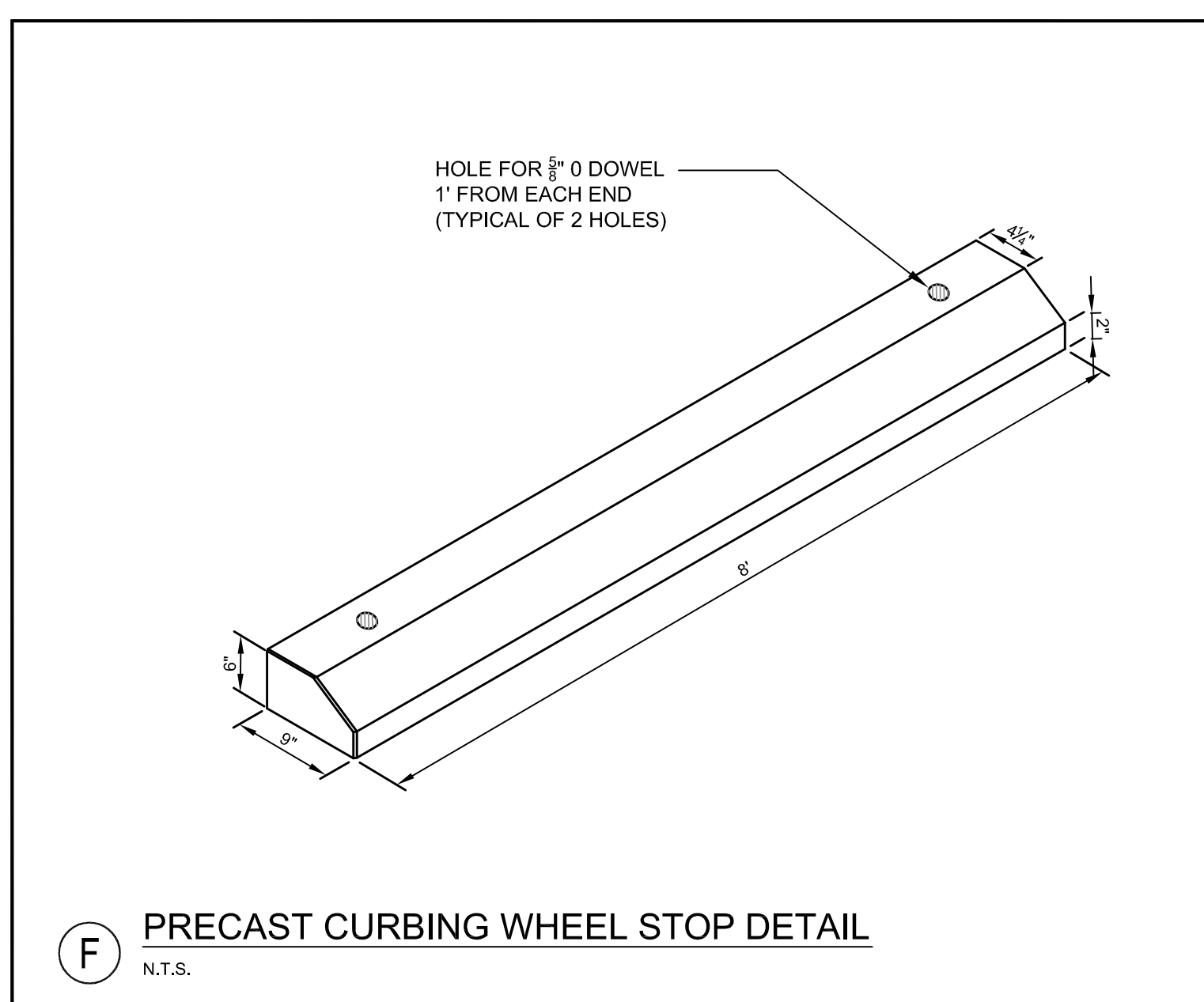
* NOTE:
CHANNEL MAY ALSO BE A PREFABRICATED FIBERLINER 2000 CHANNEL AS FABRICATED BY GDT, INC. OF ESSEX, CT OR EQUAL



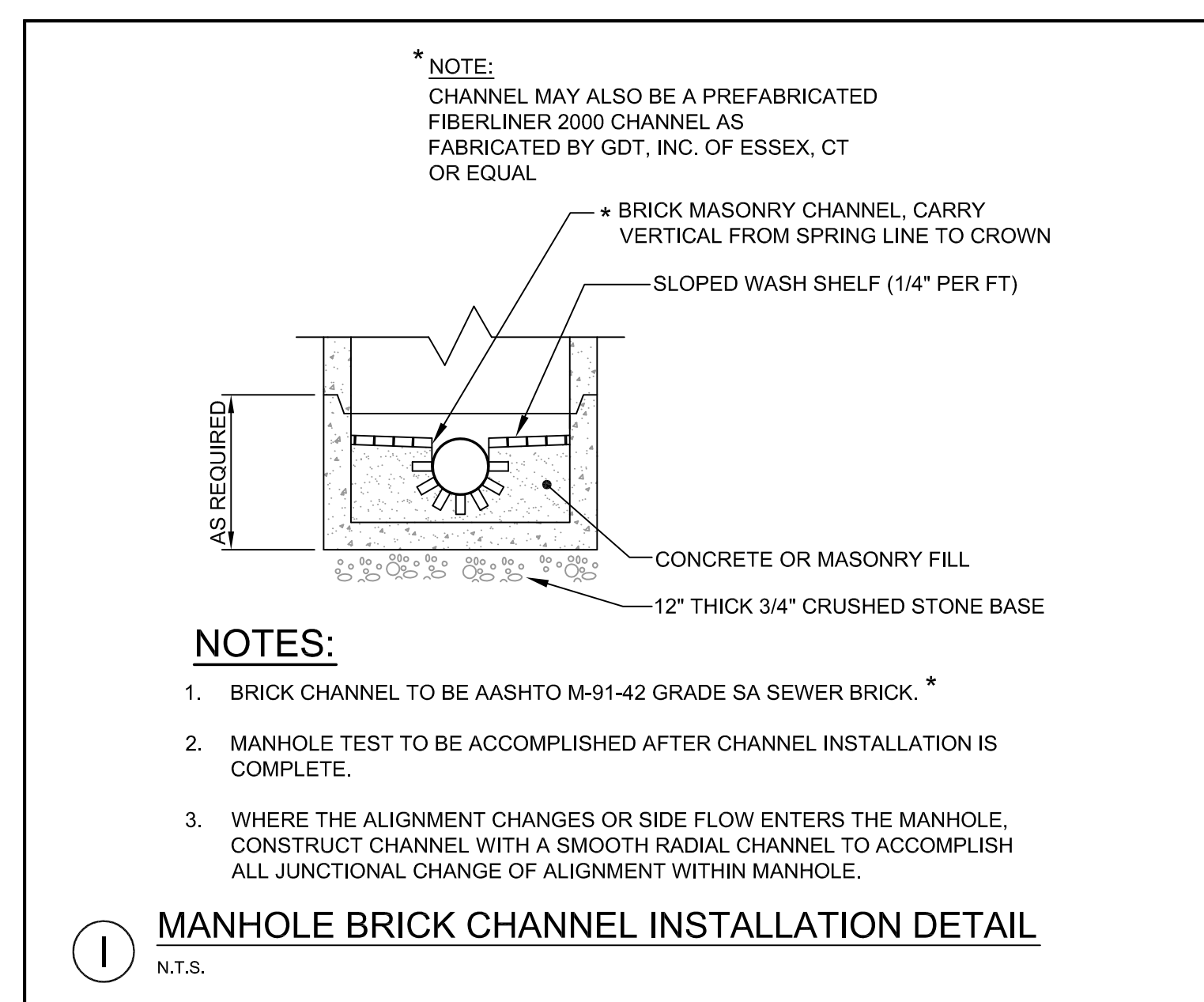
K EROSION CONTROL MIX BERM DETAIL
N.T.S.



C TRAFFIC SIGN
N.T.S.

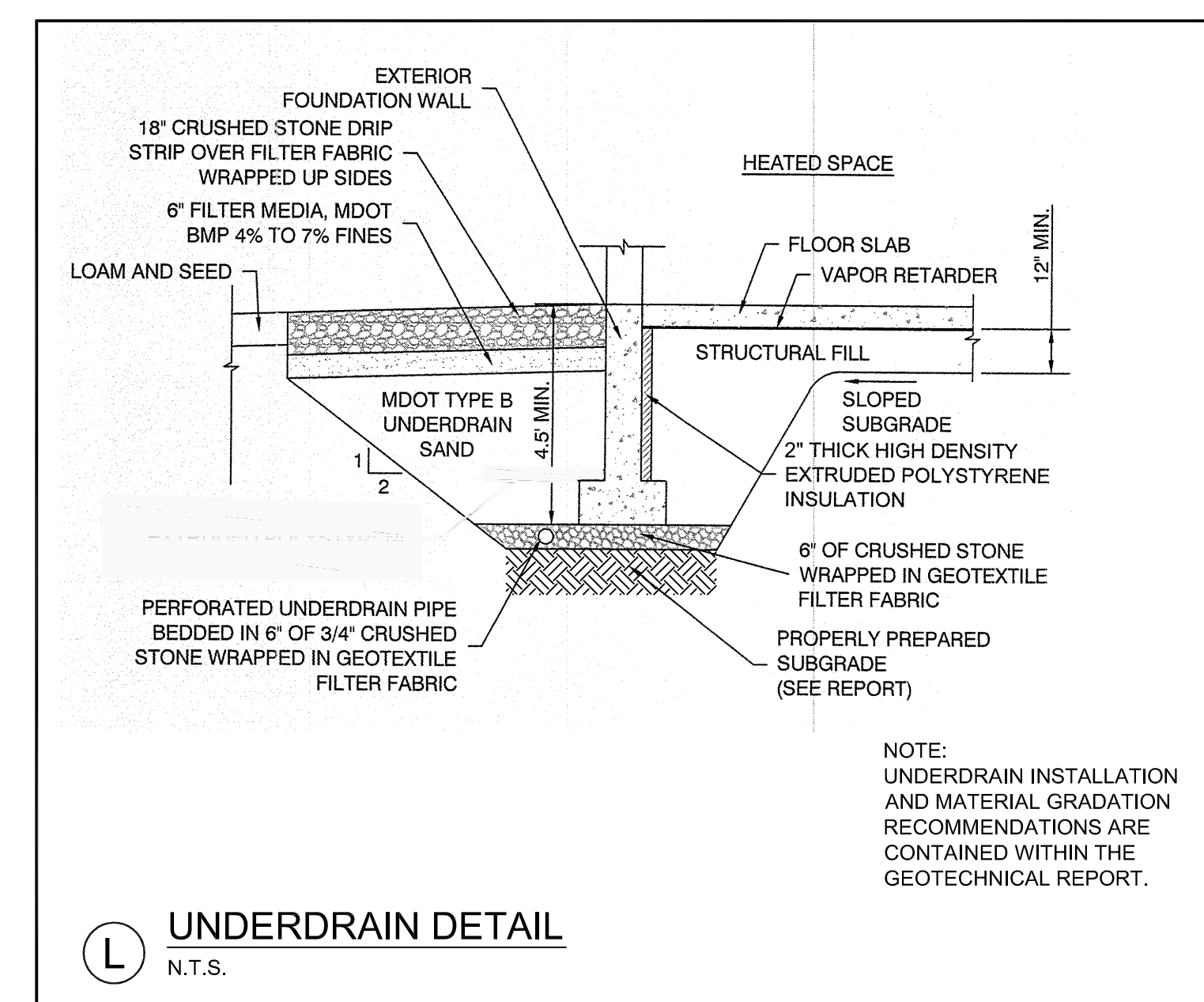


F PRECAST CURBING WHEEL STOP DETAIL
N.T.S.



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

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.

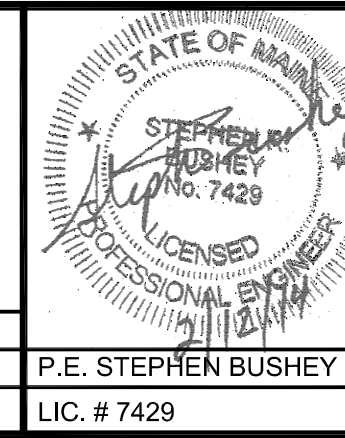


L UNDERDRAIN DETAIL
N.T.S.

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

PRELIMINARY - NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	REVISIONS
1	02.10.14	SUBMITTED TO CITY OF PORTLAND	
		DESCRIPTION	



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 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		