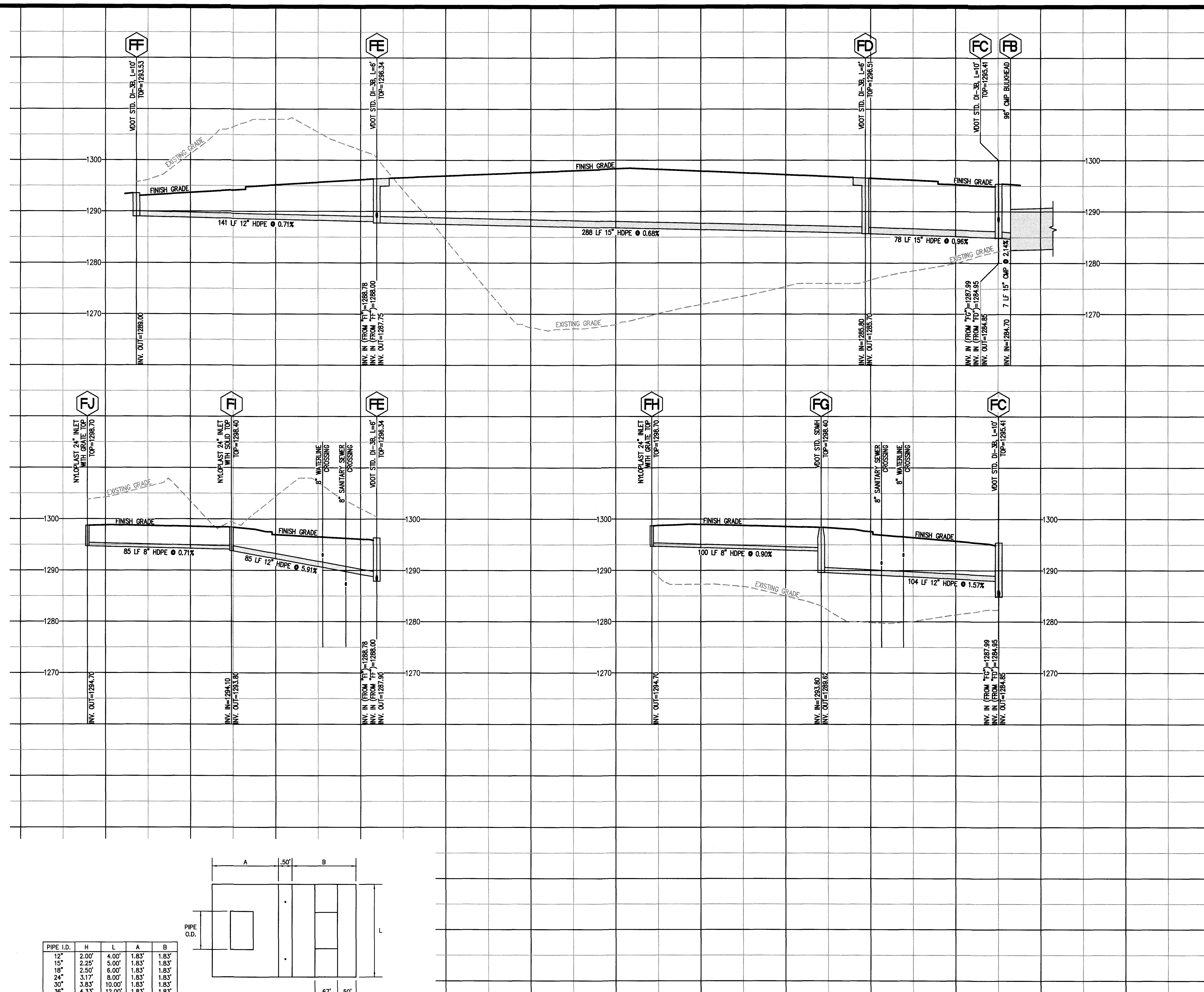
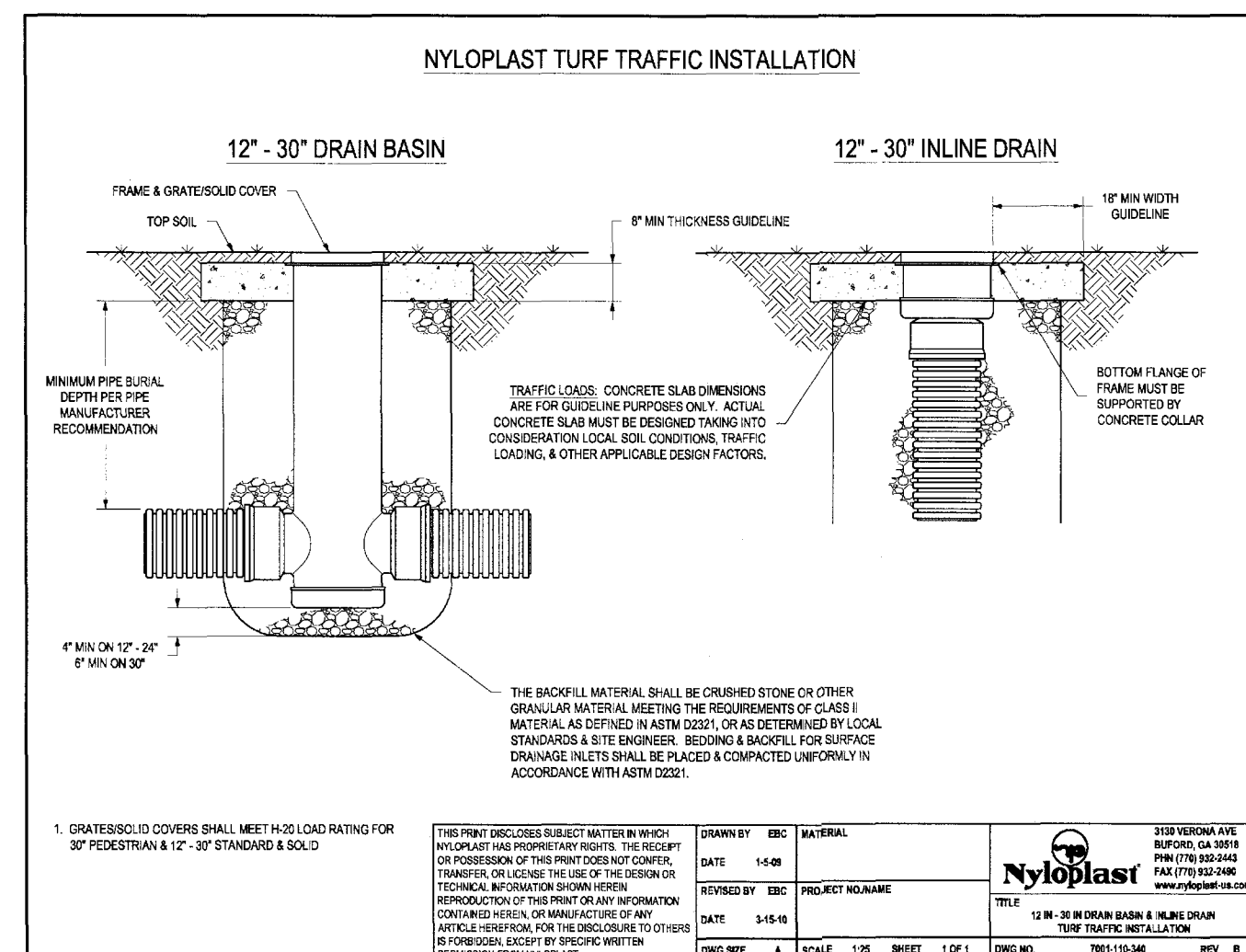
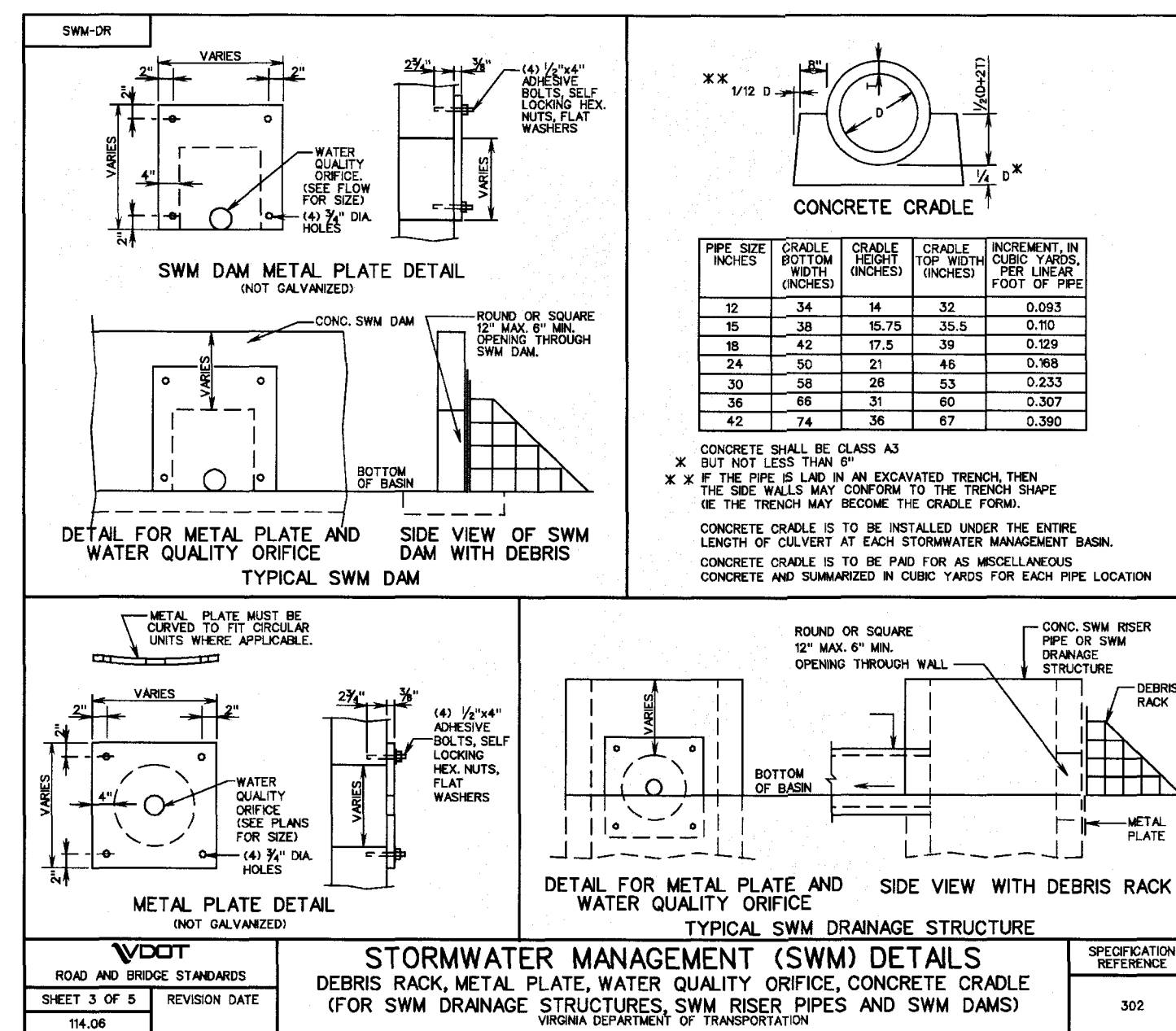
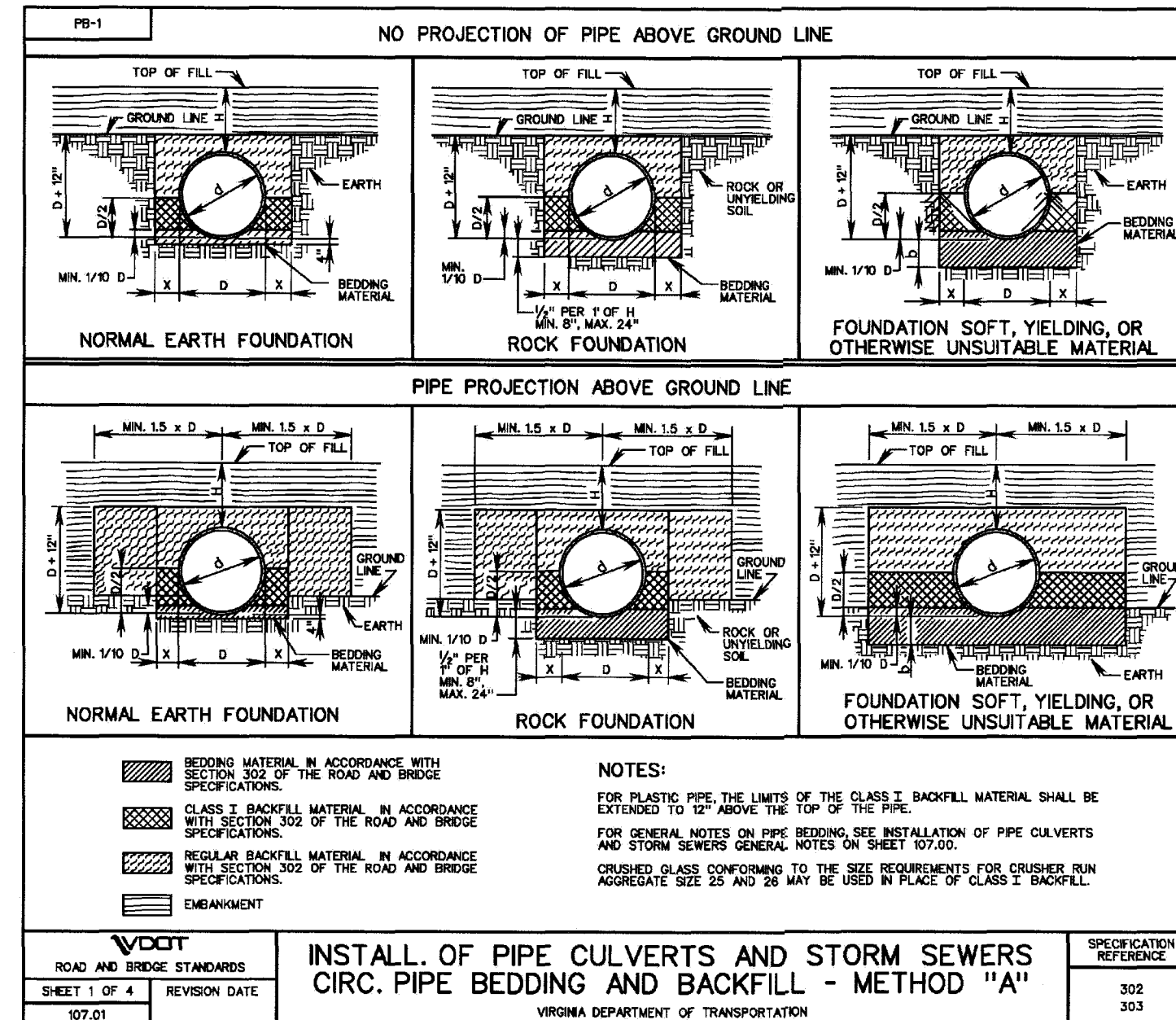
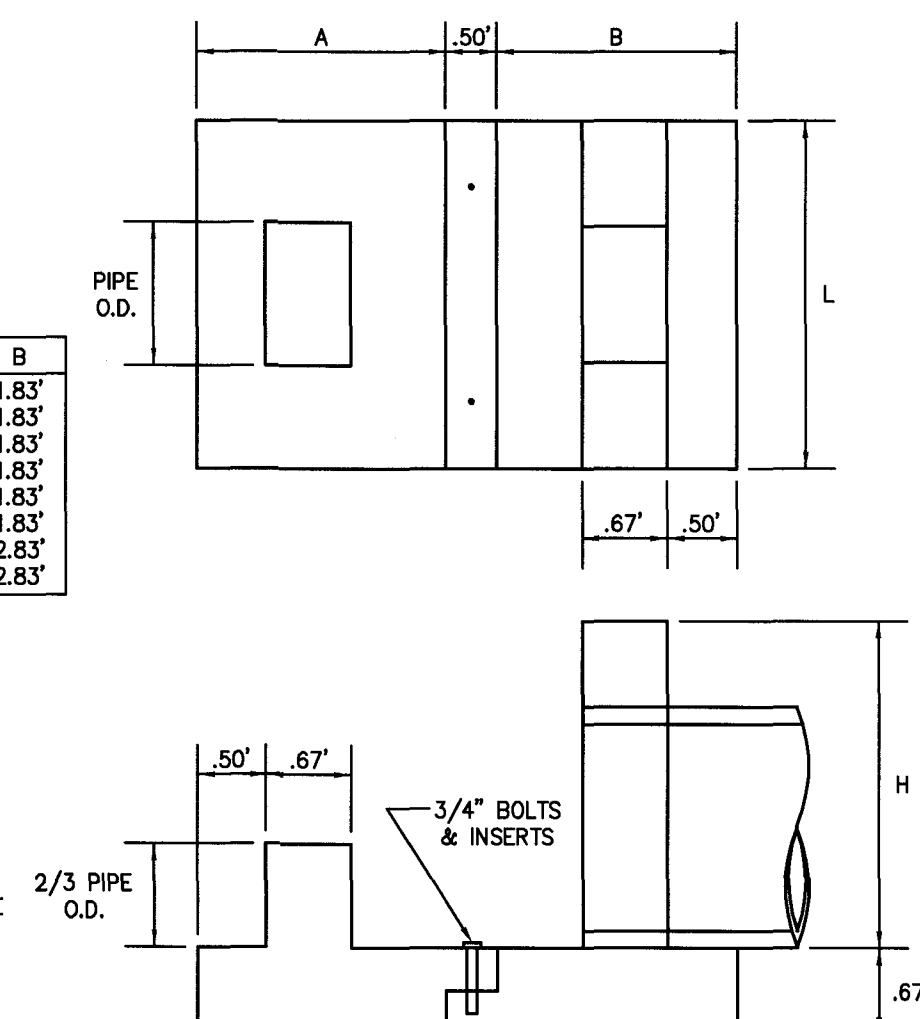




PIPE I.D.	H	L	A	B
12"	2.00'	4.00'	1.83'	1.83'
15"	2.25'	5.00'	1.83'	1.83'
18"	2.50'	6.00'	1.83'	1.83'
24"	3.17'	8.00'	1.83'	1.83'
30"	3.83'	10.00'	1.83'	1.83'
36"	4.33'	12.00'	1.83'	1.83'
42"	4.79'	14.00'	3.00'	2.83'
48"	5.33'	16.00'	3.00'	2.83'

NOTES:

1. CONCRETE 4,000 P.S.I.
2. REINFORCING #4 @ 6" C.C. E.W. DOUBLE ROW THROUGHOUT.
3. FOUR (4) BOLTS AND INSERTS ARE REQUIRED FOR 42" AND 48" EW-1
4. PLACE CLASS I RIP RAP ALONG THE PERIMETER OF THE STRUCTURE TO PREVENT SCOUR AND EROSION.



EW-1 MODIFIED WITH ENERGY DISSIPATOR

NO SCALE

STORM DRAIN NOTES:

1. ALL NEW STORM DRAIN PIPE SHOWN ON THIS PLAN IS HDPE, ADS N-12 OR APPROVED EQUIV. EXCEPT WHERE OTHER MATERIALS ARE INDICATED.
 2. ALL VDOT STANDARD STORM DRAIN INLET AND MANHOLE STRUCTURES SHALL INCLUDE ISO-1 INLET SHAPING UNLESS NOTED AS A STEP-DOWN STRUCTURE OR INDICATED OTHERWISE.
 3. WHERE STORM DRAIN MANHOLES ARE INDICATED AS STEP-DOWN STRUCTURES, CONTRACTOR SHALL INSTALL 1/2" STEEL PLATE ARMORING TO BASE OF MANHOLE, PER VDOT SPEC.
 4. ALL DRAINAGE STRUCTURES DEEPER THAN 4.0 FEET SHALL HAVE STEPS (VDOT STD. ST-1) INSTALLED.
 5. SAFETY SLABS (VDOT STD. SL-1) ARE REQUIRED IN ALL DRAINAGE STRUCTURES WITH A DEPTH OF 12.0 FEET OR GREATER. SPACING OF THE SAFETY SLABS SHOULD BE 8 TO 12 FEET WITH NO SLAB LOGGED WITHIN 8.0 FEET OF THE TOP OR BOTTOM OF THE STRUCTURE.
- PER SECTION 82.6.5 OF THE ROADWAY DESIGN AND STORMWATER DESIGN MANUAL, ALL DRAINAGE DESIGN OF THE CITY OF EVANCOLE DEVELOPMENT REVIEW COORDINATOR, ALL REINFORCED CONCRETE PIPE (RCP) STORM DRAIN SHALL HAVE WATER-TIGHT JOINTS.

City of Roanoke
Planning, Building, & Development

APPROVED

by Adrian Gilbert 08/17/2017

LUMSDEN ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
ROANOKE, VIRGINIA

LA

STORM DRAIN PROFILES & DETAILS

COMPREHENSIVE DEVELOPMENT PLAN
FOR
PHEASANT RIDGE ASSISTED LIVING
PREPARED FOR
SMITH/PACKETT MED-COM, L.L.C.
SITUATED AT 4414 PHEASANT RIDGE ROAD, SW
CITY OF ROANOKE, VIRGINIA

REVISIONS	
NO.	DESCRIPTION
1	
2	
3	
4	
5	

DATE: June 23, 2017

SCALE: 1"= 30' (H); 1"= 10' (V)

COMMISSION NO. 16-218

SHEET 9 OF 19