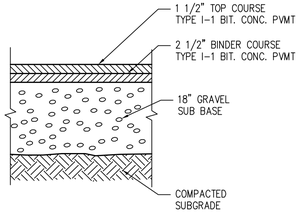
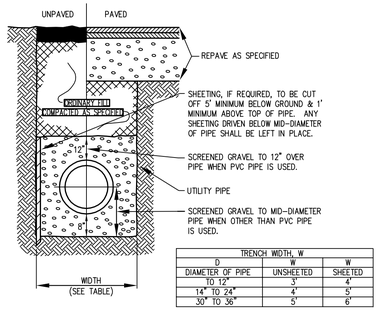


STANDARD BITUMINOUS CONCRETE PAVEMENT

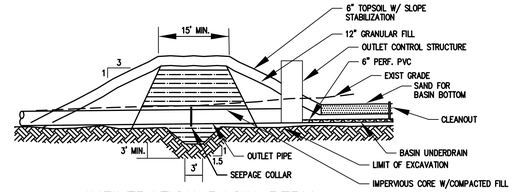
NOT TO SCALE



TRENCH WIDTH, W		
D	W	W
DIAMETER OF PIPE	UNSHEETED	SHEETED
TO 12"	3'	4'
14" TO 24"	4'	5'
30" TO 36"	5'	6'

TYPICAL TRENCH SECTION

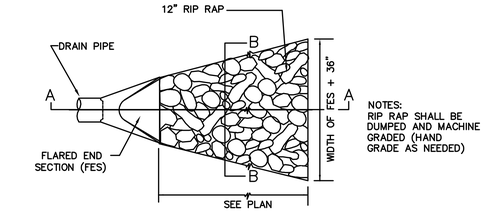
NOT TO SCALE

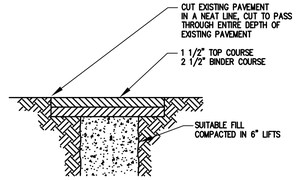


INFILTRATION BASIN BERM

NOT TO SCALE

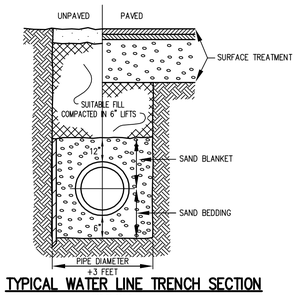
NOTE: COMPACTED FILL SHALL CONFORM TO THE REQUIREMENTS OF MASS DOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, SUBSECTION M1.08.0 OF DIVISION III, MATERIALS, CONSISTING OF MATERIAL WITH A PERMEABILITY LESS THAN 10 CM/SEC, COMPACTED TO 93% PROCTOR DENSITY IN 6" LIFTS.





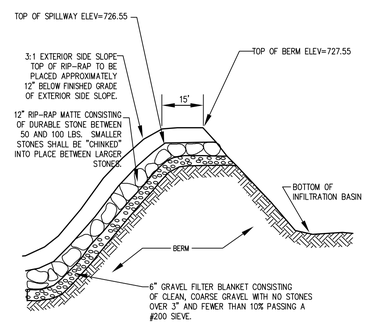
ROADWAY RECONSTRUCTION DETAIL

NOT TO SCALE



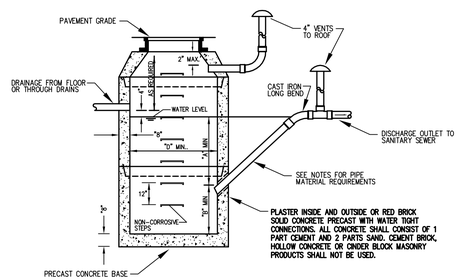
TYPICAL WATER LINE TRENCH SECTION

NOT TO SCALE



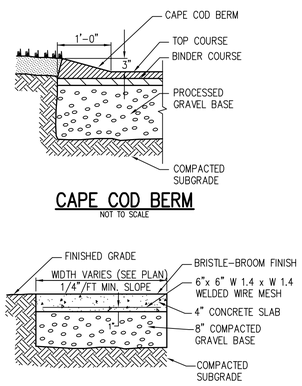
EMERGENCY SPILLWAY

NOT TO SCALE



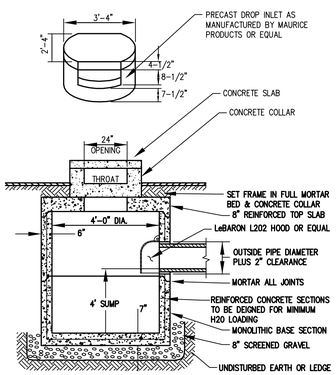
GAS OIL & WATER SEPARATOR

NOT TO SCALE



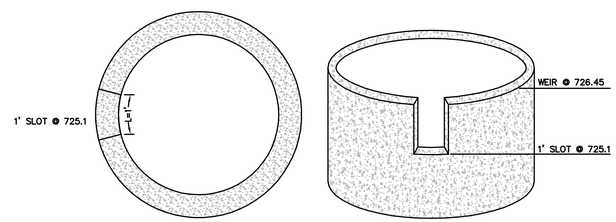
CEMENT CONCRETE PAD

NOT TO SCALE



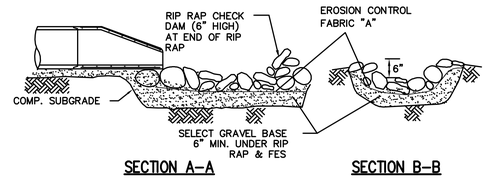
PRECAST CONCRETE DROP INLET

NOT TO SCALE



TOP VIEW

SIDE VIEW



SECTION A-A

SECTION B-B

RIP-RAP APRON

NOT TO SCALE

PIPE MATERIAL NOTES:

1. NO-HUB CAST IRON WITH PRODUCT-APPROVED STAINLESS STEEL CLAMPS.
2. SERVICE WEIGHT CAST IRON WITH PRODUCT-APPROVED RESILIENT GASKETS OR LEAD AND OAKUM JOINTS.

   EXTRA HEAVY CAST IRON WITH PRODUCT APPROVED
3. RESILIENT GASKETS OR LEAD AND OAKUM JOINTS.

GENERAL CONSTRUCTION NOTES:

1. THE SEPARATOR IS TO BE LOCATED OUTSIDE OF A BUILDING WHERE POSSIBLE AND THE COVER TO INCORPORATE A CENTER HOLE. A SEALED TIGHT COVER IS TO BE USED IF THE SEPARATOR IS LOCATED INSIDE OF A BUILDING. THE COVER SHALL BE NO LESS THAT A 24" DIAMETER. THE SEPARATOR SHALL BE LOCATED AND CONSTRUCTED TO PREVENT SURFACE OR SUB-SURFACE WATER FROM ENTERING. THE INLET PIPE SHALL BE NO LESS THAN FOUR INCHES ABOVE THE WATER LINE LEVEL. WHEN THE SEPARATOR IS SUBJECT TO FREEZING IT SHALL BE SET A MINIMUM OF THREE FEET BELOW GRADE. THE NON-CORROSIVE STEPS SHALL BE PLACED AT 18" APART. THE CHAMBER VENT AND OUTLET VENT SHALL RETURN TO THE INSIDE OF THE BUILDING AND EXTEND THROUGH THE ROOF.
2. IN OPEN PARKING GARAGES OR OPEN PARKING AREAS ONLY THE INLET PIPE MAY EXTEND BELOW THE WATER LINE A MAXIMUM DISTANCE OF 6".
3. CIRCULAR BASINS ARE RECOMMENDED.

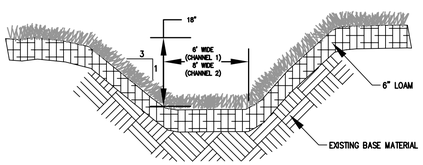
SIZING TABLE

INLET	D	A	B
4"	3'-6"	3'-0"	2'-6"
5"	3'-6" 3'-6"x3'-6" 4'-0" 3'-6"x3'-6" 4'-6"	5'-0" 4'-0" 3'-6" 3'-0" 3'-0"	4'-0" 3'-0" 3'-0" 2'-6" 2'-6"
6"	4'-0" 4'-0"x4'-0" 4'-6" 4'-6"x4'-6" 5'-0" 5'-0"x5'-0"	5'-0" 4'-0" 4'-0" 3'-6" 3'-6" 3'-0"	4'-6" 3'-6" 3'-6" 3'-0" 3'-0" 2'-6"
8"	5'-0" 5'-6"x5'-6" 6'-0" 6'-0"x6'-0" 6'-6" 6'-6"x6'-6"	6'-0" 4'-6" 4'-0" 3'-0" 3'-6" 3'-0"	5'-0" 4'-0" 3'-6" 2'-6" 3'-0" 2'-6"

DRAINAGE FROM FLOOR OR THROUGH DRAINS

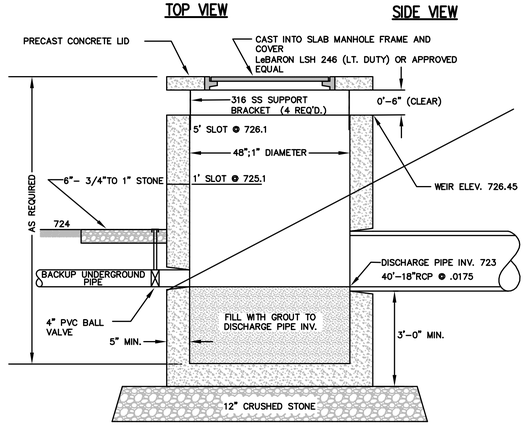
HAUNCHED CONCRETE CURB

NOT TO SCALE



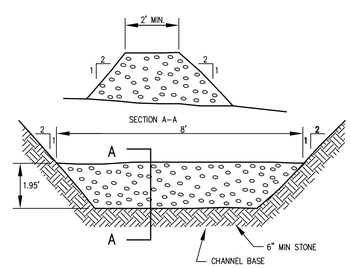
GRASS SWALE

NOT TO SCALE



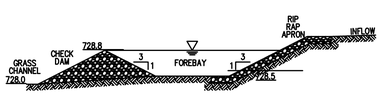
OUTLET CONTROL STRUCTURE

NOT TO SCALE



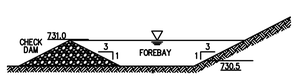
STONE CHECK DAM

NOT TO SCALE



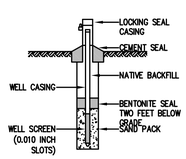
SEDIMENT FOREBAY 2

NOT TO SCALE



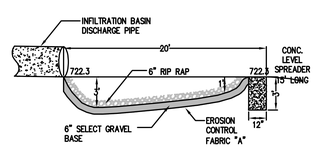
SEDIMENT FOREBAY 1

NOT TO SCALE



MONITORING WELL

NOT TO SCALE



BASIN OUTLET LEVEL SPREADER

NOT TO SCALE

9/5/19

REV. NO.	DATE	REVISION

TITLE:

SITE DEVELOPMENT PLAN
FOR
51 TECHNOLOGY PARK ROAD
STURBRIDGE, MASSACHUSETTS 01566

PREPARED FOR:

DILEO GAS
630 SUNDERLAND ROAD
WORCESTER, MASSACHUSETTS 01604

PREPARED BY:
J.M. GRENIER ASSOCIATES INC.
787 HARTFORD TURNPIKE
SHREWSBURY, MASSACHUSETTS 01545
TELE NO.: (508) 845-2500 FAX NO.: (508) 842-0800

SCALE:	DATE:
N.T.S.	SEPTEMBER 5, 2019

DETAIL PLAN 1/2

SHEET NO.:	PROJECT NO.:
SHEET 8 OF 9	G-565