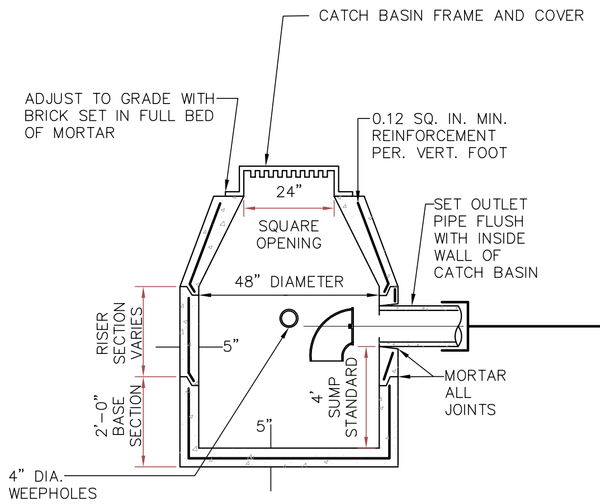
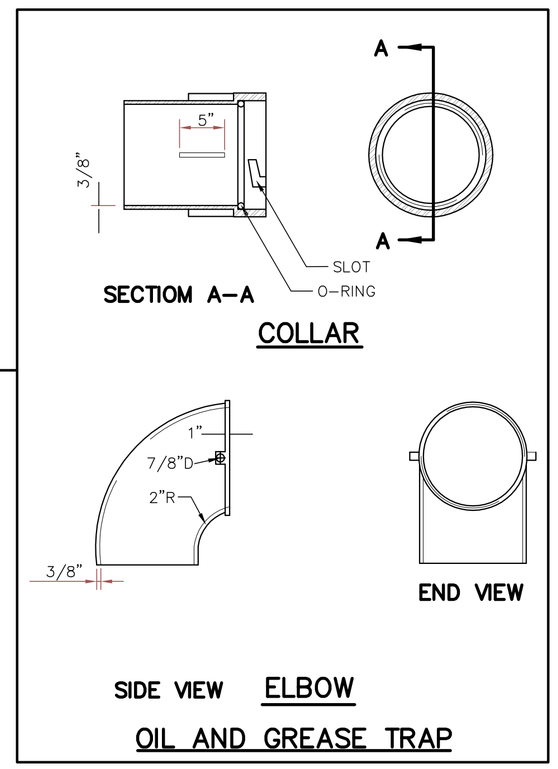
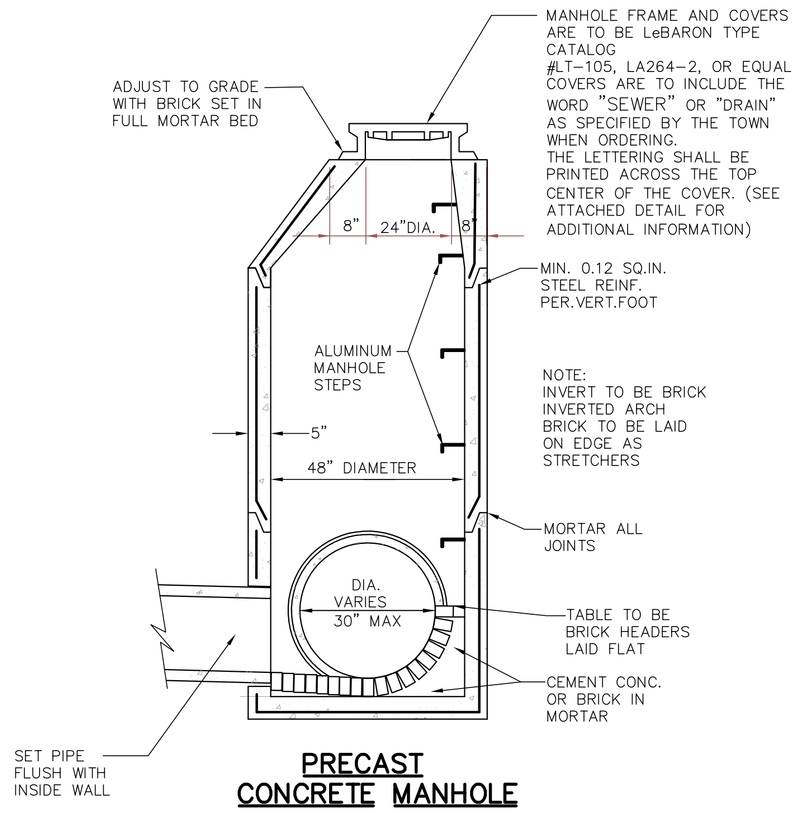
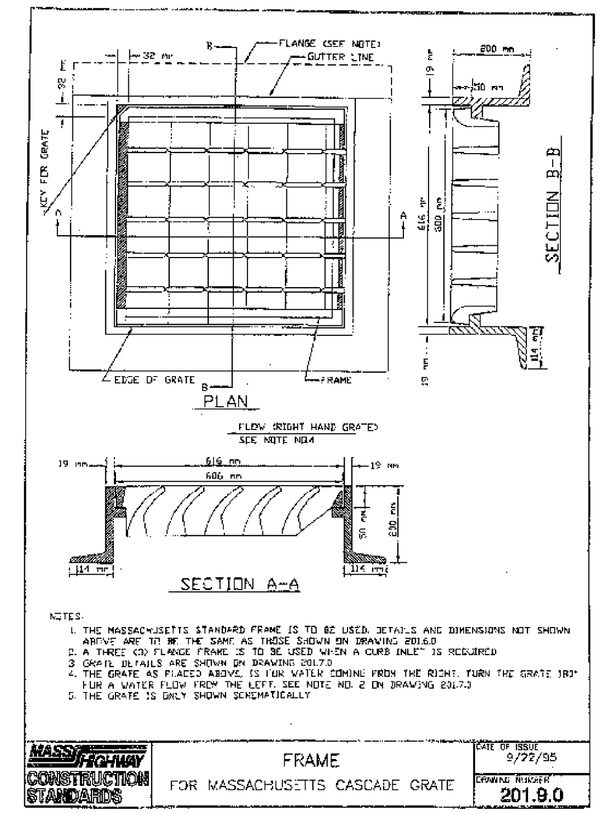


PRECAST CONCRETE CATCH BASIN
(WITH 4 FLANGE CATCH BASIN FRAME)

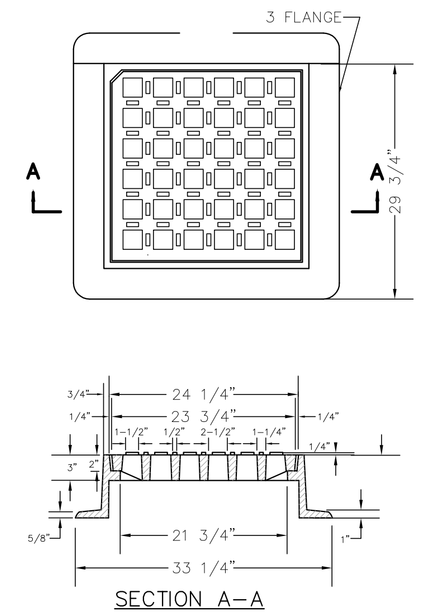




PRECAST CONCRETE MANHOLE



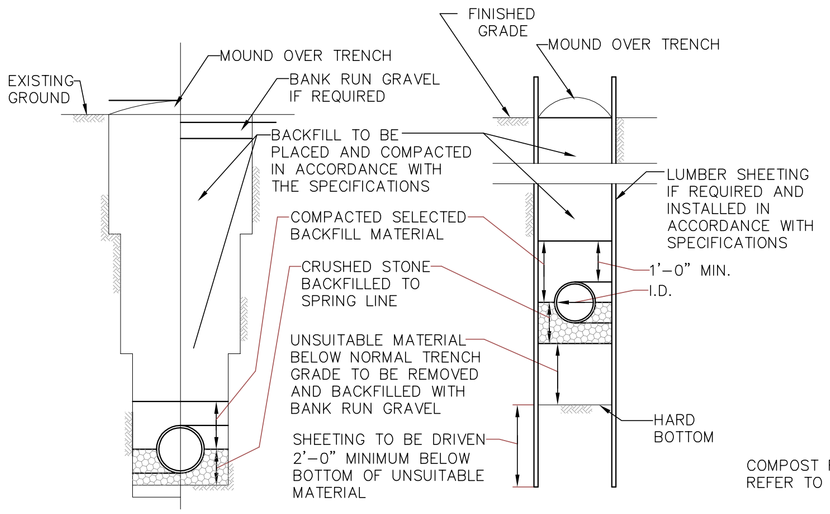
CATCH BASIN FRAME AND GRATE
N.T.S.



NOTE: FRAME AND GRATE SHALL BE HEAVY DUTY CLASS 30 GRAY IRON.

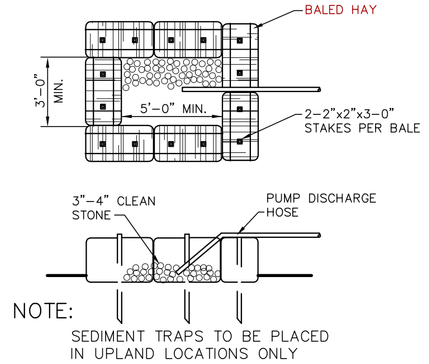
CATCH BASIN FRAME AND GRATE
N.T.S.

NOTE: CATCH BASIN FRAME AND COVERS ARE TO BE LeBARON TYPE CATALOG #LF248-3 OR EQUAL

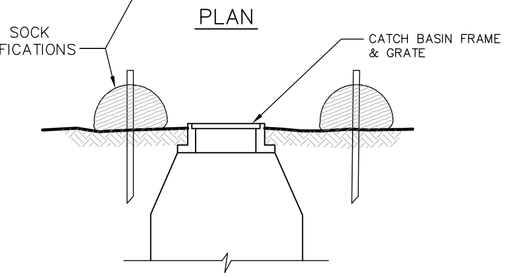


TYPICAL TRENCH SECTION STABLE GROUND

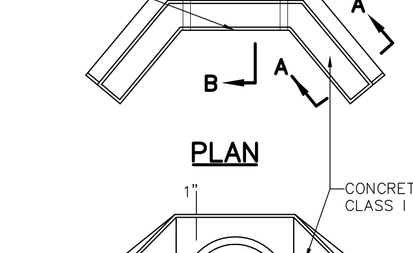
TYPICAL TRENCH SECTION UNSUITABLE MATERIAL

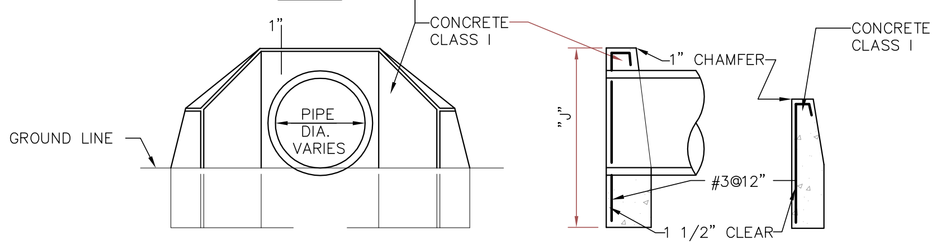


SEDIMENT CONTROL TRAP
N.T.S.



BALED HAY SILT BARRIER AROUND CATCH BASIN
N.T.S.

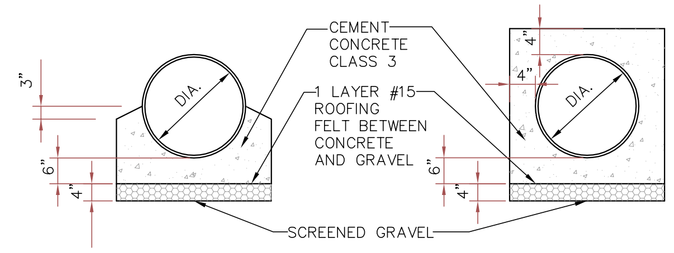




CONCRETE HEADWALL DETAILS FOR 30" TO 84" PIPE CULVERTS

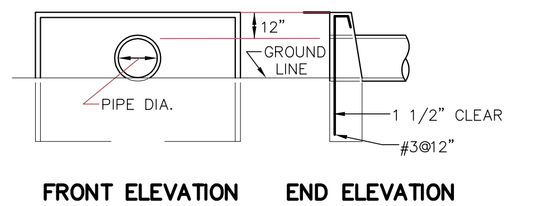
PIPE DIA.	1 1/2:1 & 2:1 SLOPES							1 1/2 SLOPES			2:1 SLOPES		
	E	G	H	J	L	N	P	F	CU. YDS.	LBS.	F	CU. YDS.	LBS.
30"	4'-0"	4'-0"	5'-6"	3'-6"	1'-6"	2'-0"	5'-3"	3'-0"	2.60	45	4'-3"	3.16	54
36"	4'-6"	4'-3"	6'-0"	4'-0"	1'-8"	2'-3"	5'-11"	3'-6"	3.35	54	5'-0"	4.15	64
42"	5'-0"	4'-6"	6'-6"	4'-6"	1'-10"	2'-6"	6'-6"	4'-0"	4.20	59	5'-9"	5.25	70
48"	5'-6"	4'-9"	7'-0"	5'-0"	2'-0"	2'-9"	7'-2"	4'-6"	5.19	65	6'-6"	6.50	83
54"	6'-0"	5'-0"	7'-6"	5'-6"	2'-2"	3'-0"	7'-10"	5'-0"	6.26	73	7'-3"	7.88	93
60"	6'-6"	5'-3"	8'-0"	6'-0"	2'-4"	3'-3"	8'-5"	5'-6"	7.43	85	8'-0"	9.37	106
72"	7'-6"	5'-9"	9'-0"	7'-0"	2'-8"	3'-9"	9'-9"	6'-6"	10.25	98	9'-6"	12.99	128
84"	8'-6"	6'-3"	10'-0"	8'-0"	3'-0"	4'-3"	11'-0"	7'-6"	13.49	120	11'-0"	17.32	154

NOTES:
1. ALL CONCRETE CORNERS SHALL BE CHAMFERED
2. ALL CONCRETE SHALL BE 3000 PSI



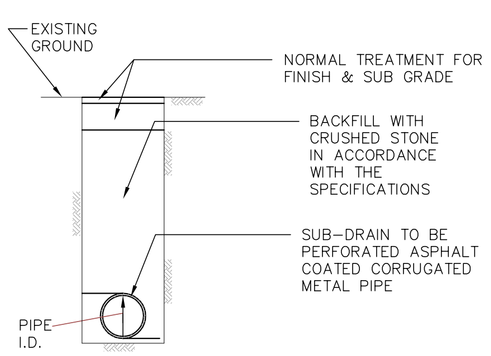
DETAIL CONCRETE CRADLE

DETAIL CONCRETE ENCASEMENT

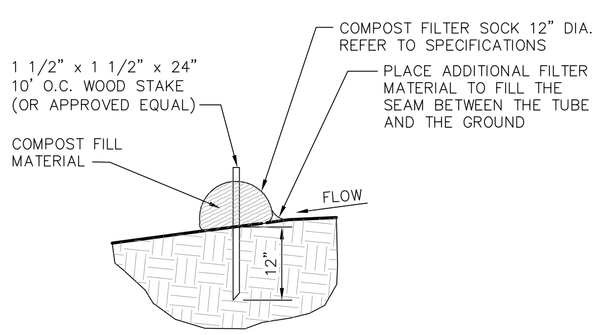


CONCRETE HEADWALL DETAILS FOR 8" TO 30" PIPE CULVERTS

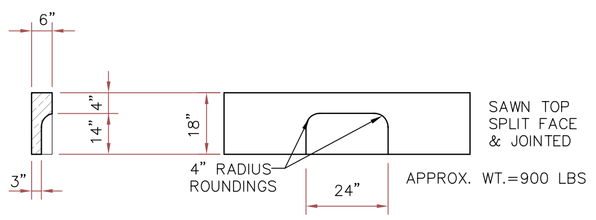
PIPE DIA.	1 1/2:1 SLOPE			2:1 SLOPE		
	L	CU.YDS.	LBS	L	CU.YDS.	LBS.
8"	4'-2"	0.77	15	5'-10"	1.08	21
10"	4'-10"	0.92	20	6'-8"	1.28	23
12"	5'-6"	1.08	21	7'-6"	1.49	29
15"	6'-6"	1.34	24	8'-9"	1.82	32
18"	7'-6"	1.61	30	10'-0"	2.18	39
21"	8'-8"	1.95	34	11'-6"	2.62	43
24"	9'-3"	2.16	35	12'-6"	2.97	50
30"	10'-6"	2.63	44	15'-6"	3.86	62
	Q=4 INCHES			Q=6 INCHES		



SUB-DRAIN DETAIL



SEDIMENTATION BARRIER



GRANITE CURB INLET DETAILS

DATE	REVISION	BY

TOWN OF LEXINGTON STANDARD DETAILS DRAIN CONSTRUCTION

Town of Lexington
ENGINEERING DIVISION

DRAWN BY: C.O.	DATE: APRIL 2012	SCALE: AS NOTED
DESIGNED BY: D.C.	CHECKED BY:	
APPROVED BY:		
CONTRACT NO. 12-71	SHEET NO. 10 OF 11	