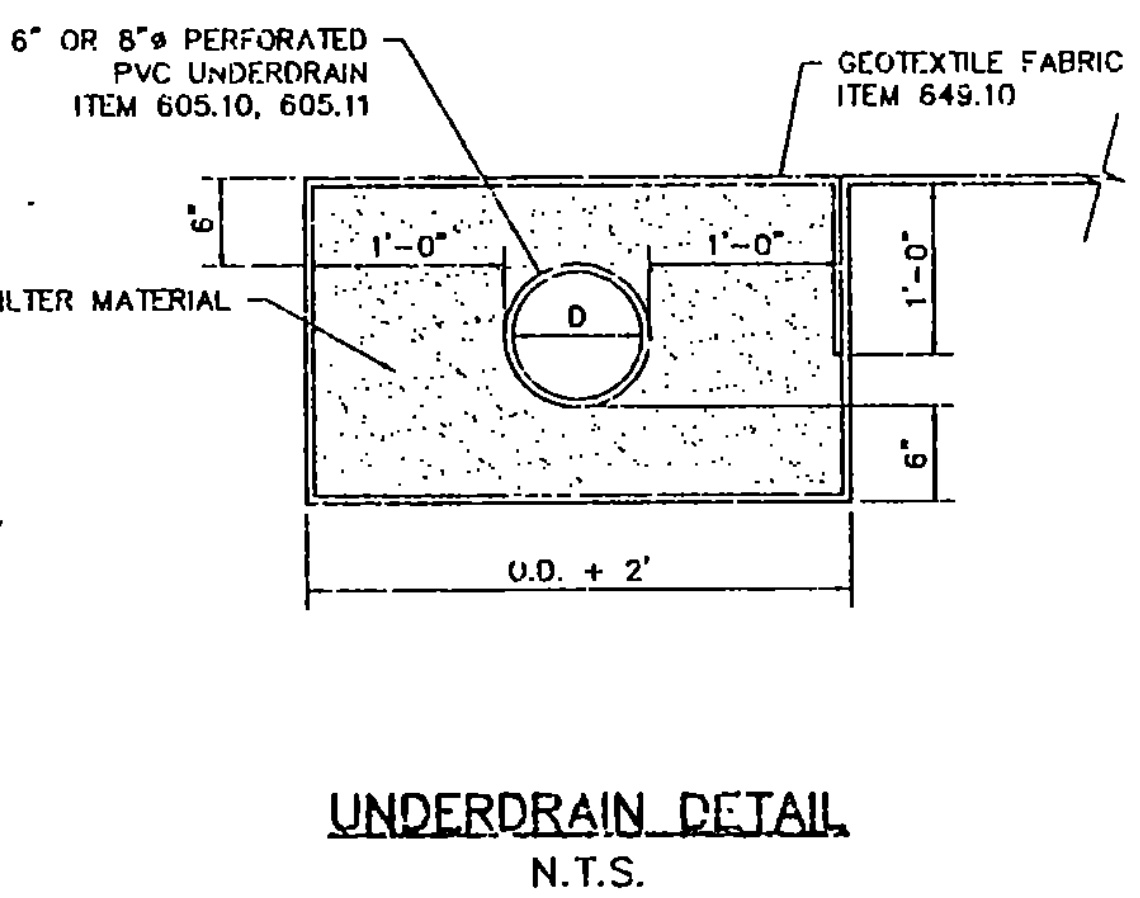
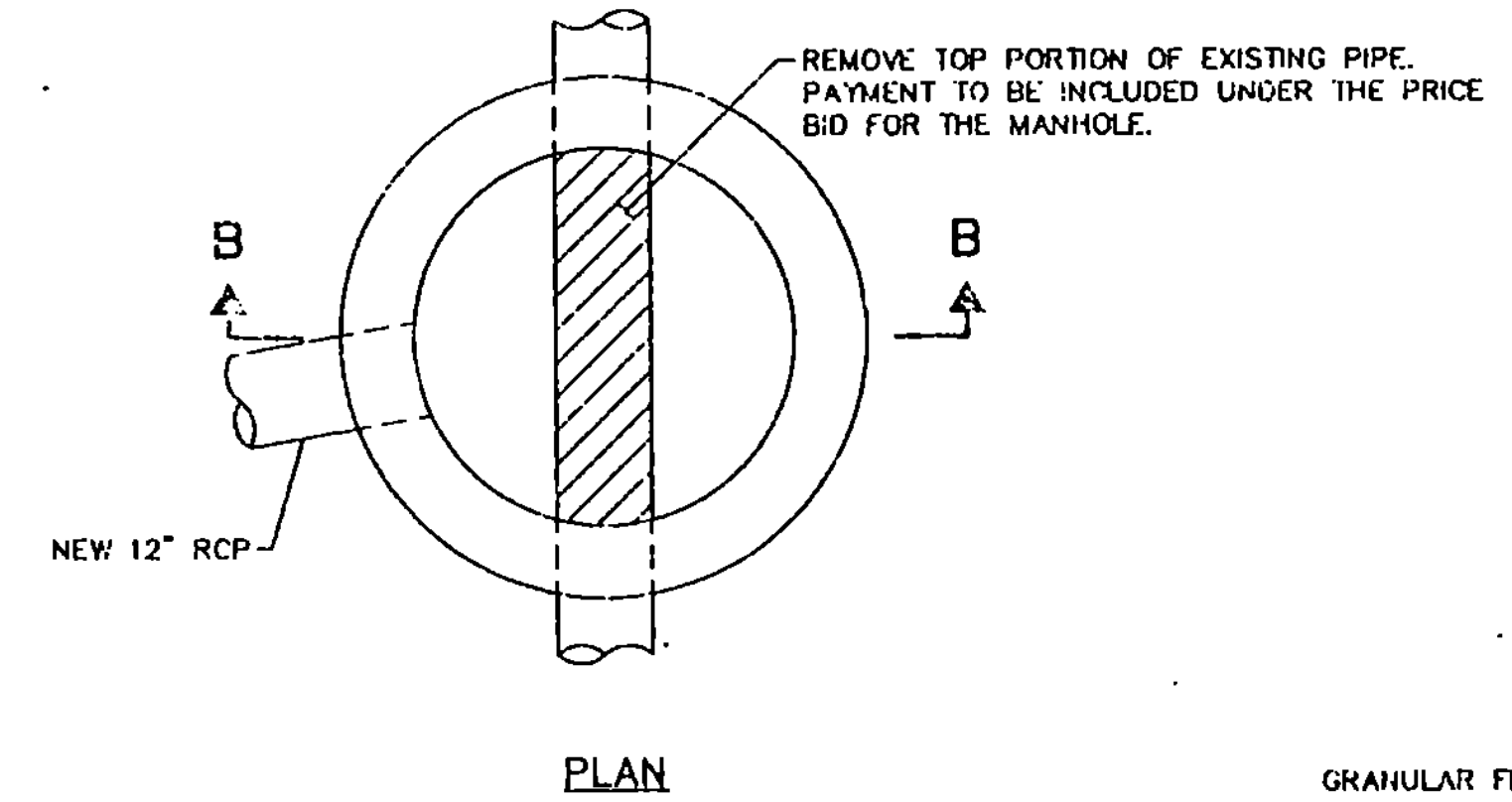
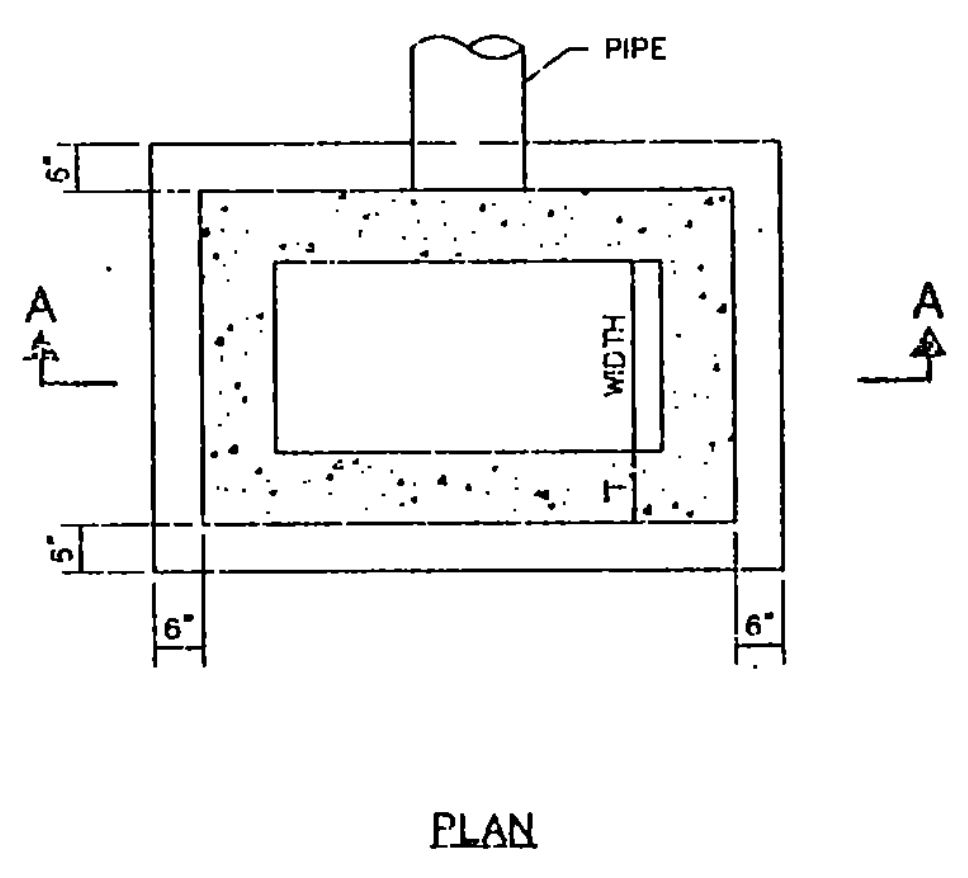


- NOTES:**
- MANHOLE FRAME AND COVER AT STA. 46+00 SHALL BE NEENAH FOUNDRY CO. R1590 OR APPROVED EQUAL.
 - OPENINGS IN WALLS FOR PIPE SHALL BE CAST-IN-PLACE OR CUT CLEANLY AND WITHOUT PERCUSSION TO A MAXIMUM DIAMETER OF O.D. + 3". THE SPACE BETWEEN PIPE AND WALL SHALL THEN BE FILLED WITH NON-SHRINK GROUT.
 - MANHOLE RUNGS SHALL BE NEENAH NO. R-1581-N DUCTILE IRON PIPE.
 - SPLICE LENGTHS REQUIRED FOR REINFORCING BARS: #4 BAR, 1'-4"; #6 BAR, 2'-0"; AND #8 BAR, 3'-5".
 - THERE WILL BE NO SEPARATE PAYMENT FOR DENSE GRADED CRUSHED STONE BEDDING, AS SHOWN UNDER THE DRAINAGE STRUCTURES, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SPECIFIC DRAINAGE STRUCTURE.
 - DENSE GRADED CRUSHED STONE BEDDING SHALL MEET THE REQUIREMENTS OF SECTION 704.06 OF THE STANDARD SPECIFICATIONS.
 - CONCRETE FOR MANHOLES AND INLET STRUCTURES TO BE 4000 PSI AIR-ENTRAINED.
 - REINFORCED PRECAST PRODUCTS TO BE IN ACCORDANCE WITH ASTM SPECIFICATIONS C-478.



LOCATION STA. - STA.	OFFSET		UNDERDRAINS				COMMENTS
	EAST SIDE	WEST SIDE	6" PERFOR. LENGTH	6" NONPERF. LENGTH	6" PERFOR. LENGTH	8" NONPERF. LENGTH	
11+00 - 14+50	-	22'	350'	-	-	-	
11+00 - 14+50	22'	-	350'	-	-	-	
14+50 - 15+55	22'	-	110'	-	-	-	CARRIER PIPE CROSSOVER
14+50 - 15+55	22'	22'	-	44'	-	-	CARRIER PIPE CROSSOVER
15+55	44'	22'	-	66'	-	-	
14+53 - 17+35	-	22'	275'	-	-	-	
17+35 - 18+00	-	22'	60'	-	-	-	
18+50 - 22+10	-	22'	330'	-	-	-	
19+10	46'	22'	-	68'	-	-	CARRIER PIPE CROSSOVER, OUTLET TO HEADWALL
19+10 - 22+10	-	22'	300'	-	-	-	
26+25 - 29+50	-	22'	325'	-	-	-	
26+50 - 29+50	22'	-	300'	-	-	-	
29+50 - 35+00	-	22'	545'	-	-	-	
29+50 - 35+00	22'	-	545'	-	-	-	
35+00 - 39+50	22'	-	-	-	455'	-	
35+00 - 39+50	-	22'	-	-	455'	-	
39+50	-	-	-	-	-	44'	CARRIER PIPE CROSSOVER
39+50	-	-	-	-	-	68'	CARRIER PIPE CROSSOVER, OUTLET TO MANHOLE
39+85 - 39+50	-	22'	35'	-	-	-	
43+00 - 44+50	-	22'	150'	-	-	-	
44+00 - 45+00	22'	-	100'	44'	-	-	CARRIER PIPE CROSSOVER
44+50 - 45+00	-	22'	50'	-	-	-	
45+00 - 46+00	-	22'	100'	40'	-	-	CARRIER PIPE CROSSOVER, OUTLET TO EXISTING DROP INLET
46+50 - 47+15	22'	-	110'	-	-	-	
47+00 - 46+00	-	VARIES	100'	20'	-	-	CARRIER PIPE CROSSOVER
TOTAL			4145 L.F.	282 L.F.	910 L.F.	112 L.F.	

DRAINAGE INLETS						
N.O.	LOCATION	LENGTH **	WIDTH **	WALL THICKNESS	DEPTH **	FRAME AND GRATE*
1	13+10, 65' RT.	3'-0 3/4"	2'-0 3/4"	6"	7"	R-3475
2	22+20, 45' LT.	3'-4"	1'-11 1/2"	6"	4"	R-3362
3	46+00, 60' LT.	2'-5"	2'-5"	6"	3.5"±	R-3350
4	44+00, 44' LT.	2'-5"	2'-5"	6"	3.0"	R-3350

* NEENAH FOUNDRY COMPANY OR APPROVED EQUAL.
** DOES NOT INCLUDE WALL THICKNESS