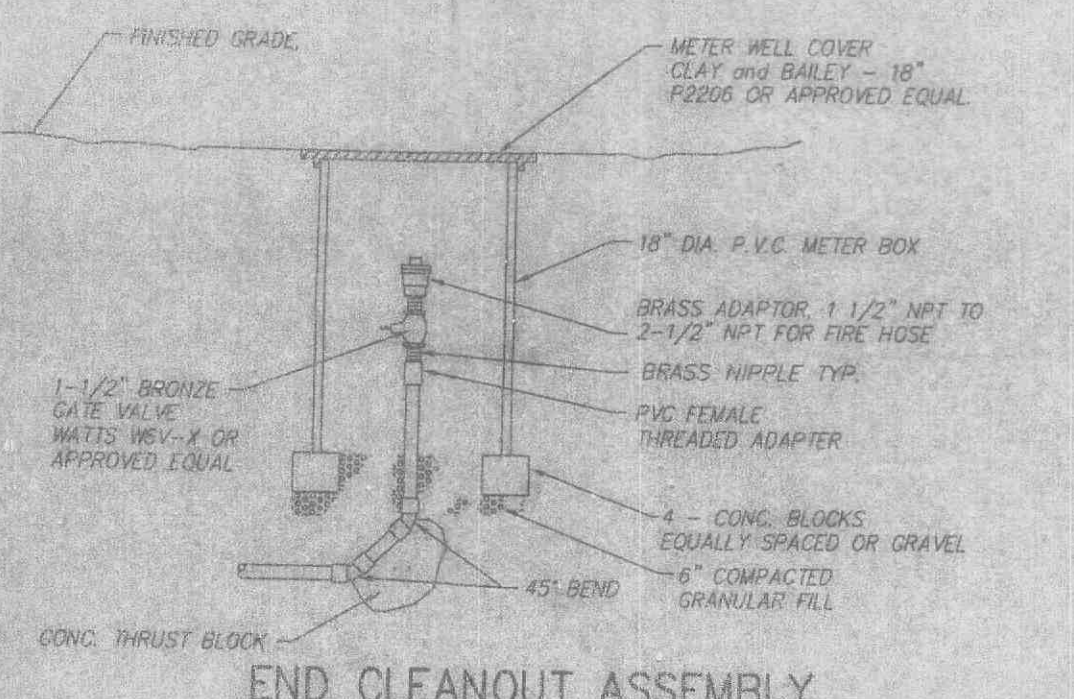
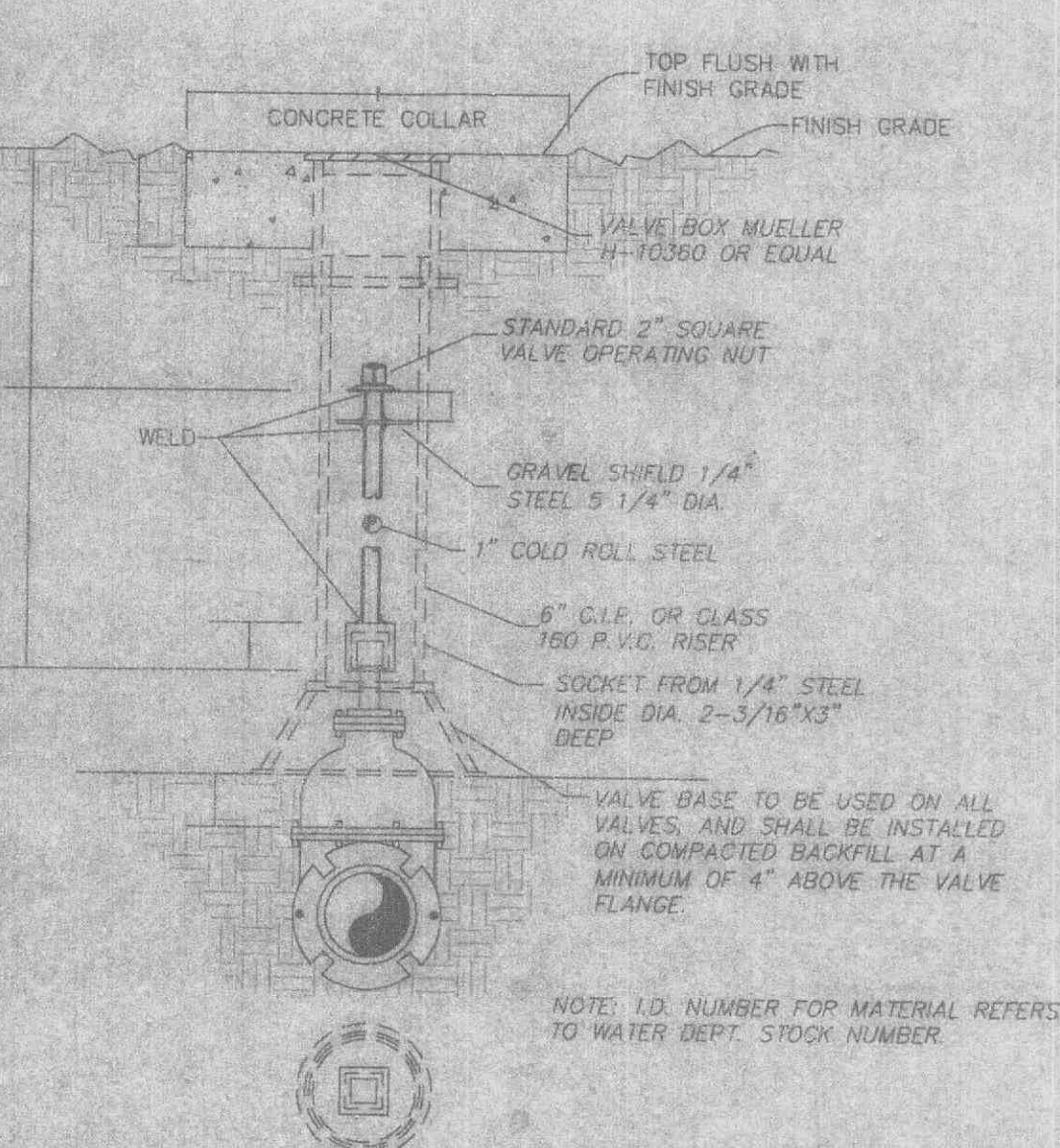


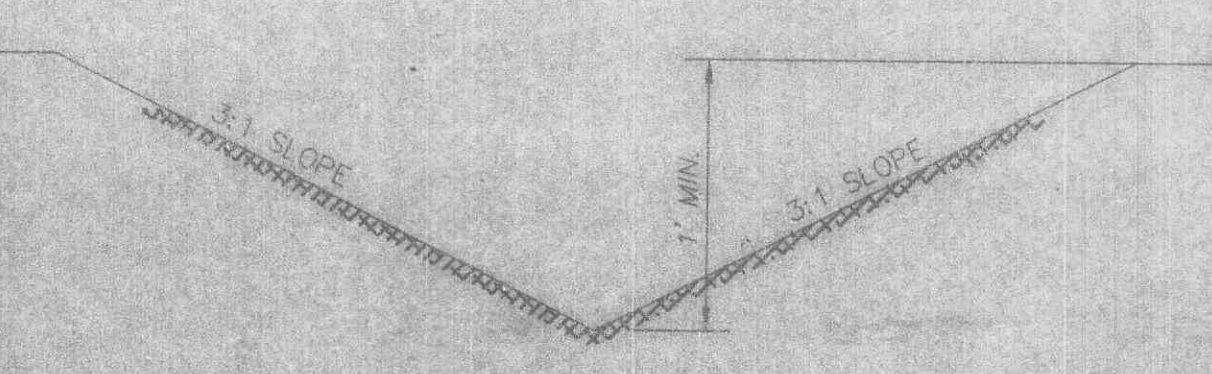
**FIRE HYDRANT DETAIL**  
NOT TO SCALE



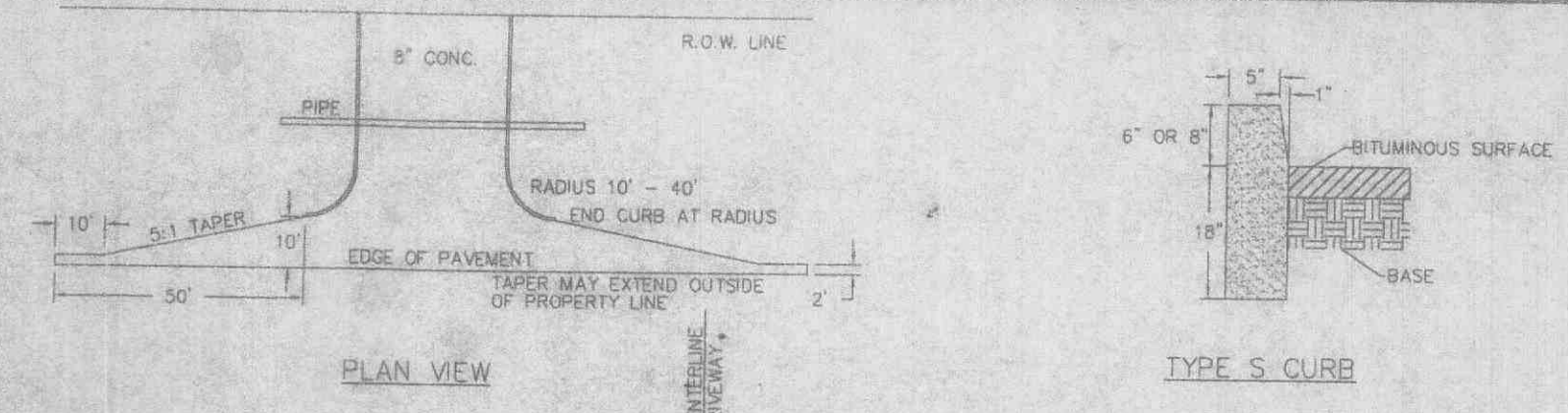
**END CLEANOUT ASSEMBLY**  
N.T.S.



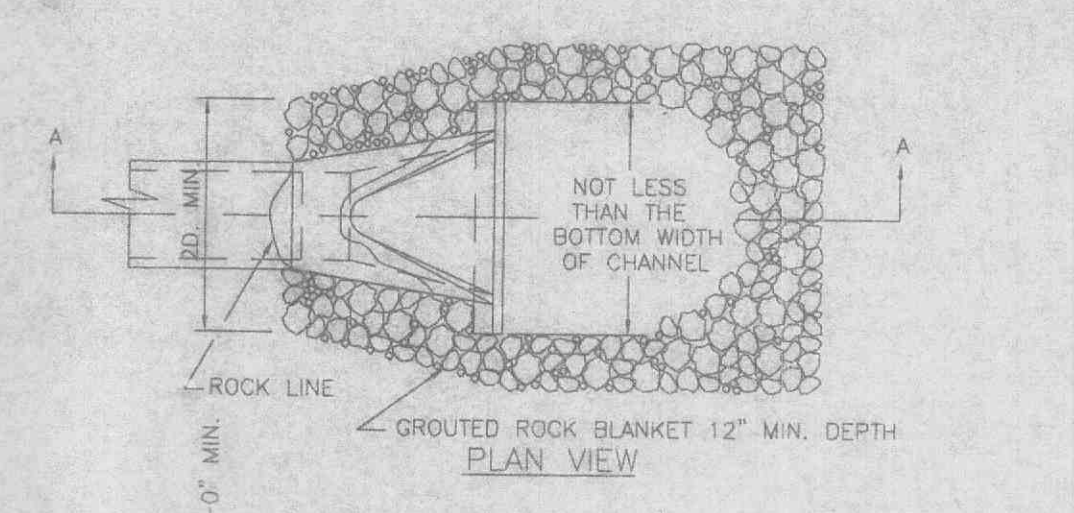
**WATER VALVE DETAIL**  
NOT TO SCALE



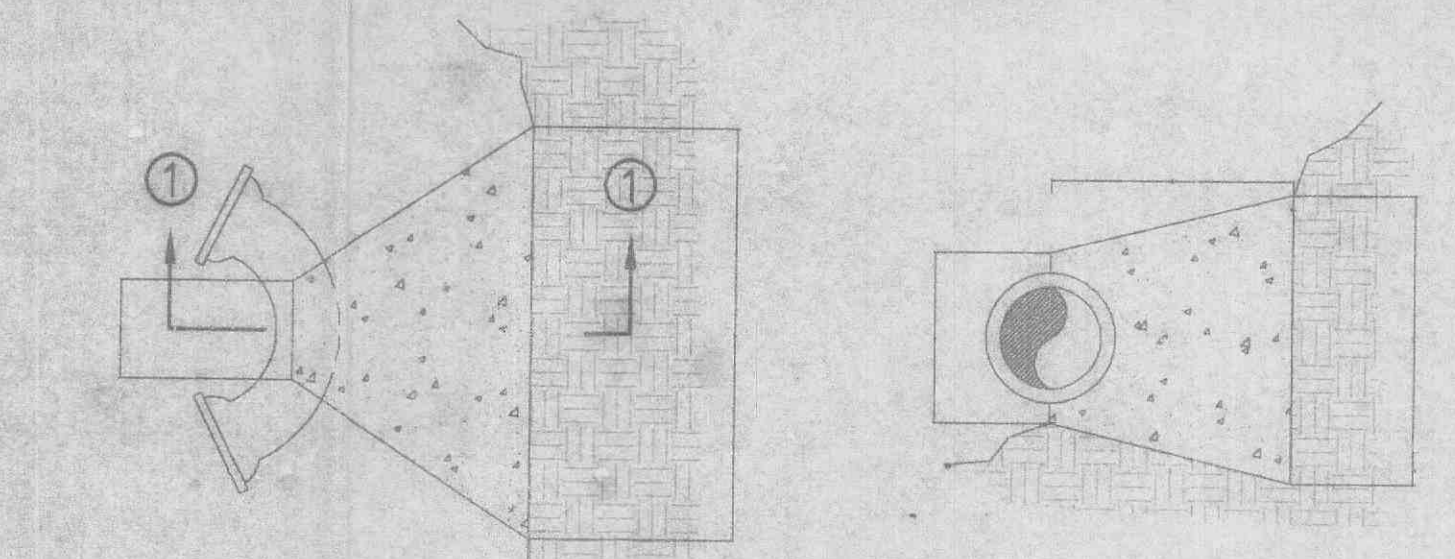
**SODDED SWALE DETAIL**  
N.T.S.



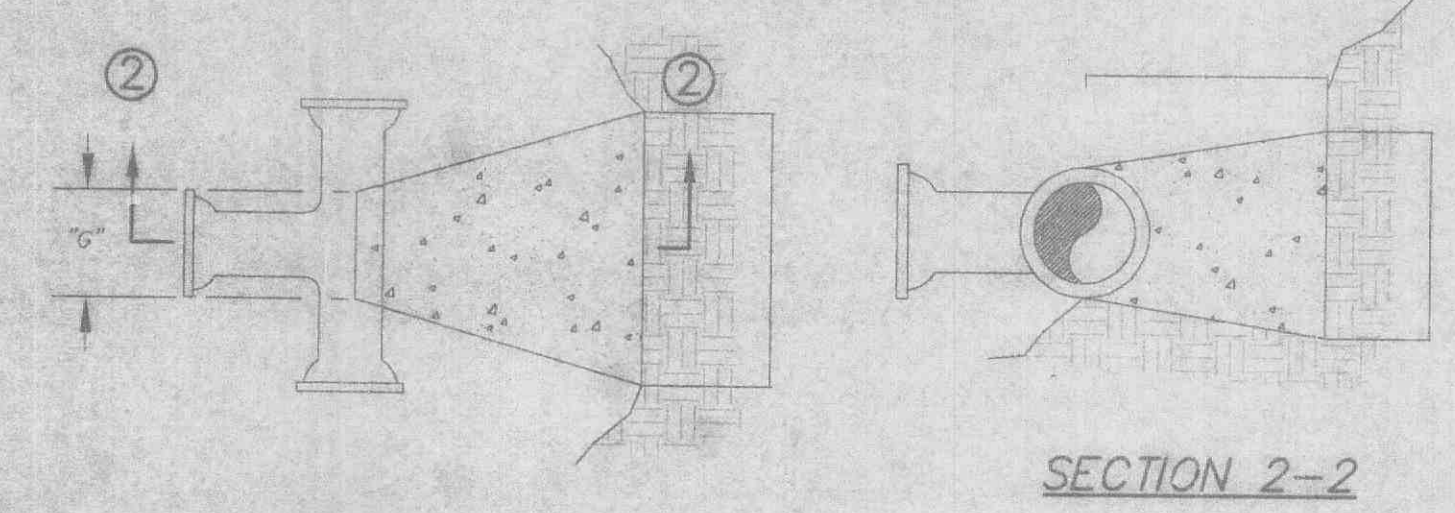
**MoDOT TYPE III DRIVEWAY**  
NOT TO SCALE



**FLARED END SECTION AND GROUDED ROCK DETAIL**  
NOT TO SCALE



**SECTION 1-1**



**SECTION 2-2**

BENDS	"B"	"C"	"D"	"E"	"F"
6"-11 1/4"	8"	15"	12"	24"	10"
6"-22 1/2"	8"	19"	12"	24"	13"
6"-45"	8"	30"	12"	24"	14"
6"-90"	8"	30"	12"	24"	23"
8"-11 1/4"	8"	20"	12"	24"	10"
8"-22 1/2"	8"	28"	12"	24"	17"
8"-45"	8"	30"	12"	24"	24"
8"-90"	8"	39"	12"	24"	36"
12"-11 1/4"	8"	30"	12"	24"	15"
12"-22 1/2"	8"	35"	12"	24"	26"
12"-45"	8"	40"	12"	24"	40"
12"-90"	8"	60"	12"	24"	52"

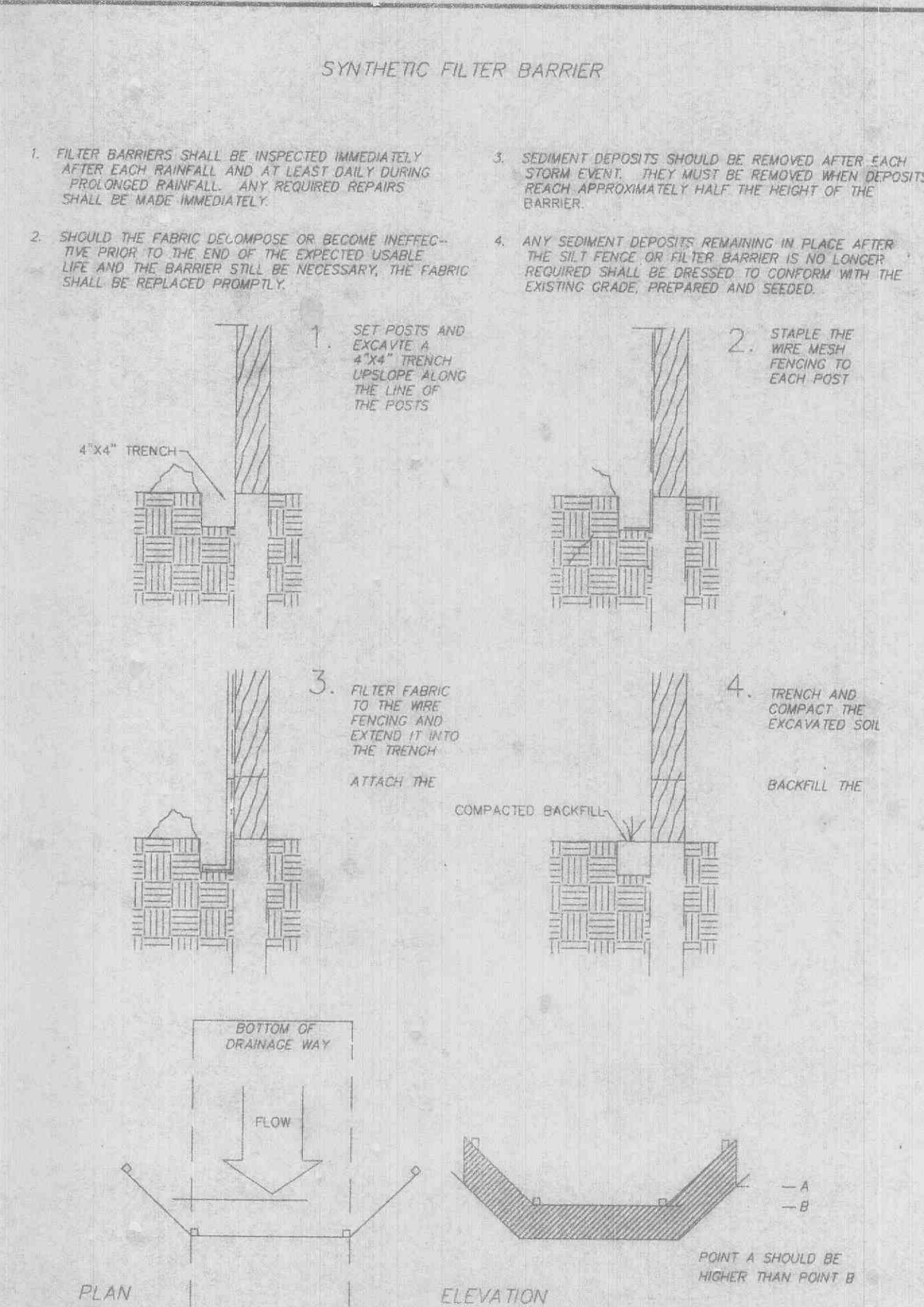
NOTES:  
1. 2" & 4" FITTINGS EQUIVALENT TO 6" FITTINGS.  
2. TAPPING SLEEVES TO HAVE BACKING BLOCKS SAME SIZE AS REQUIRED FOR TEES.

TEES	"G"	"H"	"J"	"K"
6"X6"X6"	12"	24"	24"	18"
8"X8"X8"	12"	24"	24"	18"
8"X8"X8"	15"	24"	24"	26"
12"X12"X6"	12"	24"	24"	18"
12"X12"X8"	12"	24"	24"	24"
12"X12"X12"	12"	36"	24"	36"

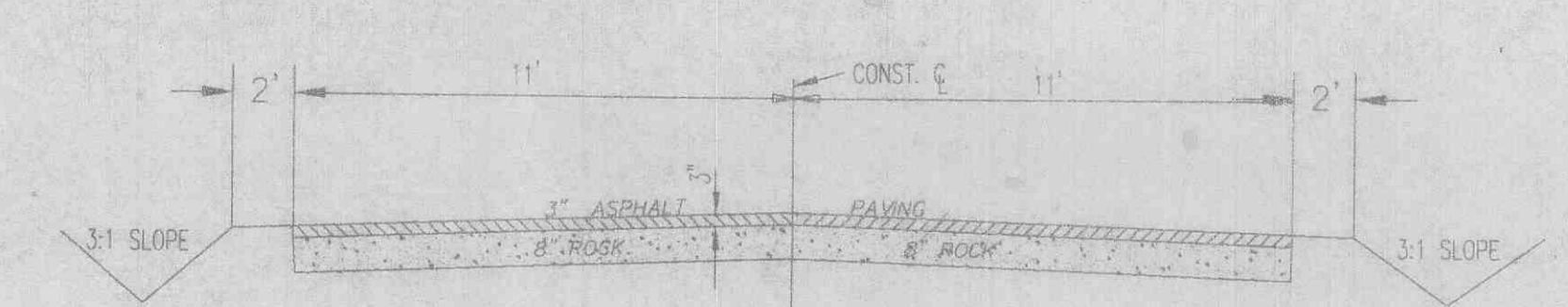
CUBIC FEET OF CONCRETE REQUIRED	BEND	11 1/4"	22 1/2"	45"	90"
6"	1.7	2.4	3.5	3.5	
8"	2.1	3.1	5.0	8.5	
12"	3.7	5.9	9.7	17.5	

TEE X	6"	8"	12"	PLUG
6"	4.0	-	-	4.0
8"	4.0	5.0	-	5.0
12"	4.0	5.5	10.5	10.5

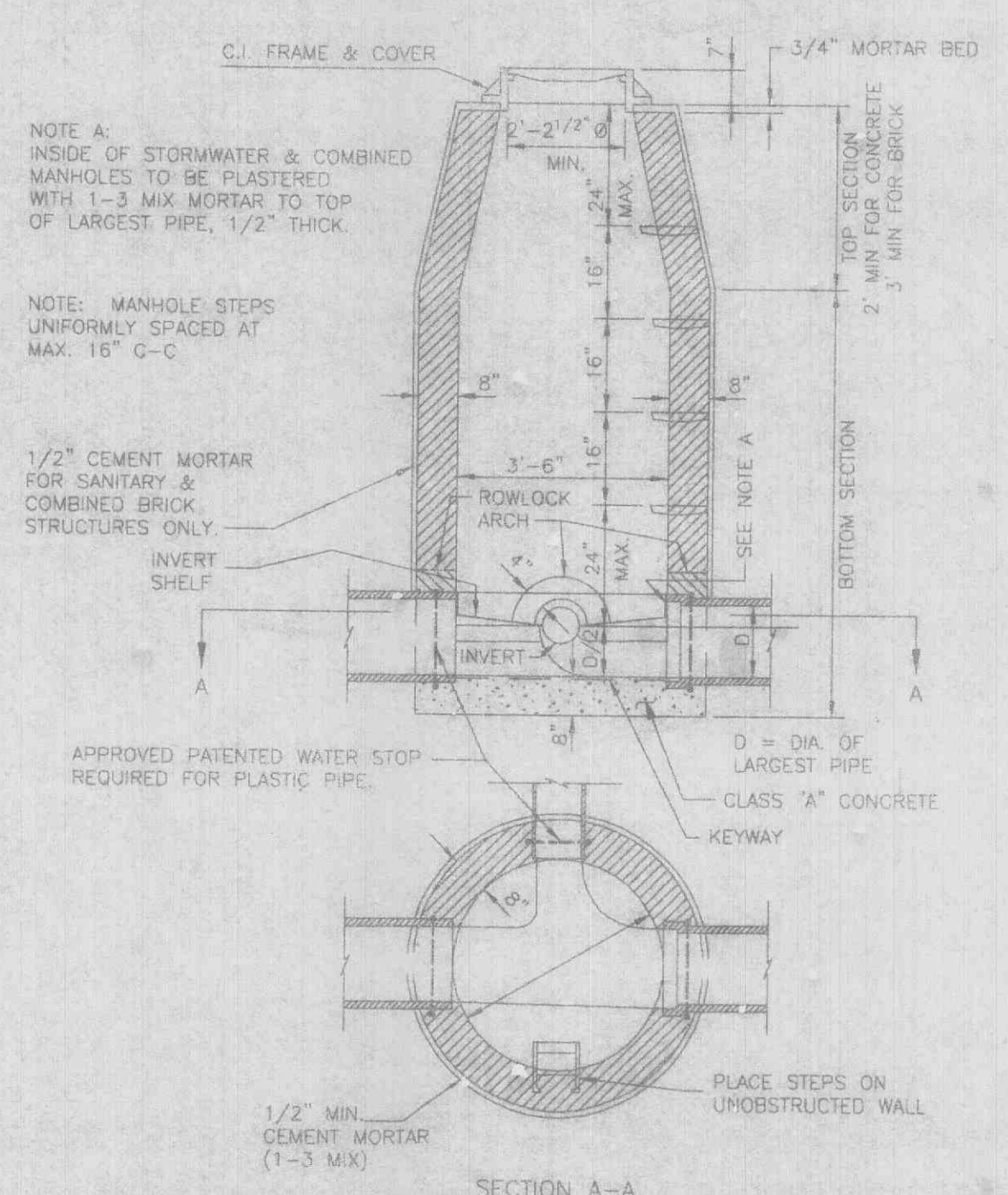
**THRUST BLOCK DETAIL**  
NOT TO SCALE



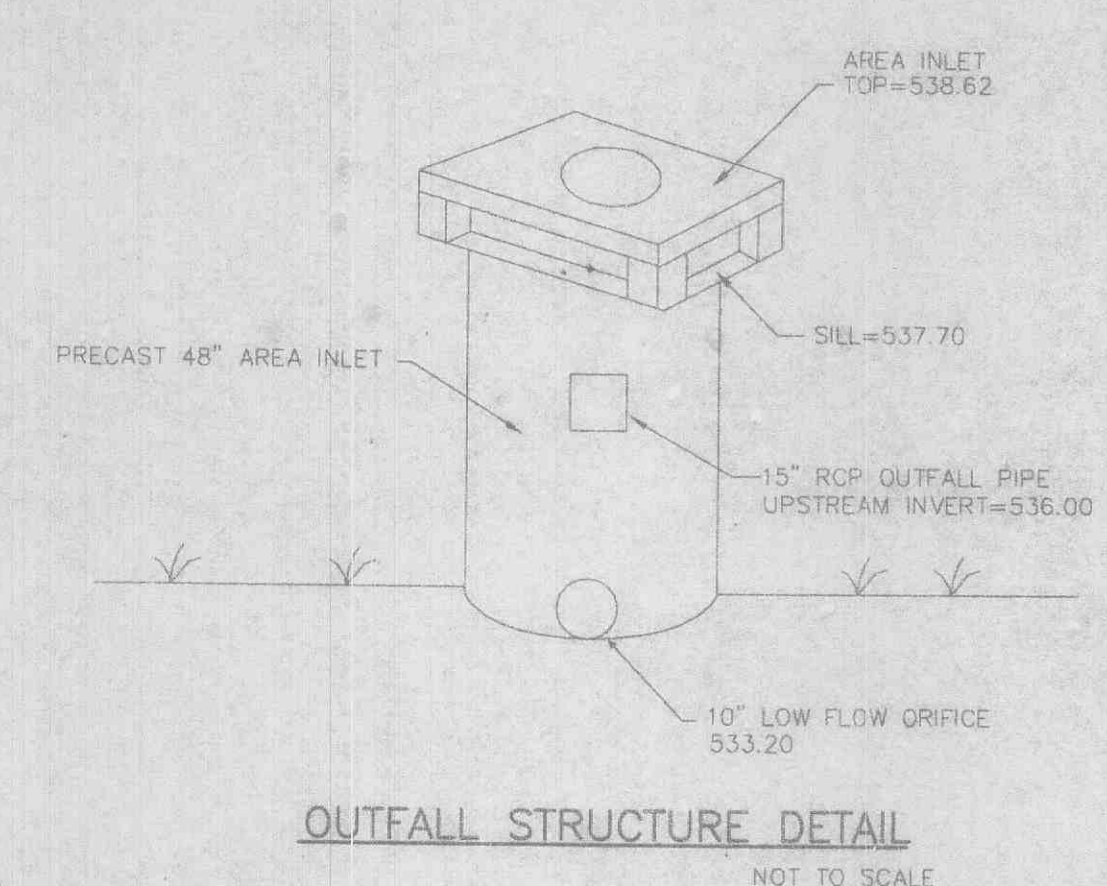
**SILTATION FENCE**  
NOT TO SCALE



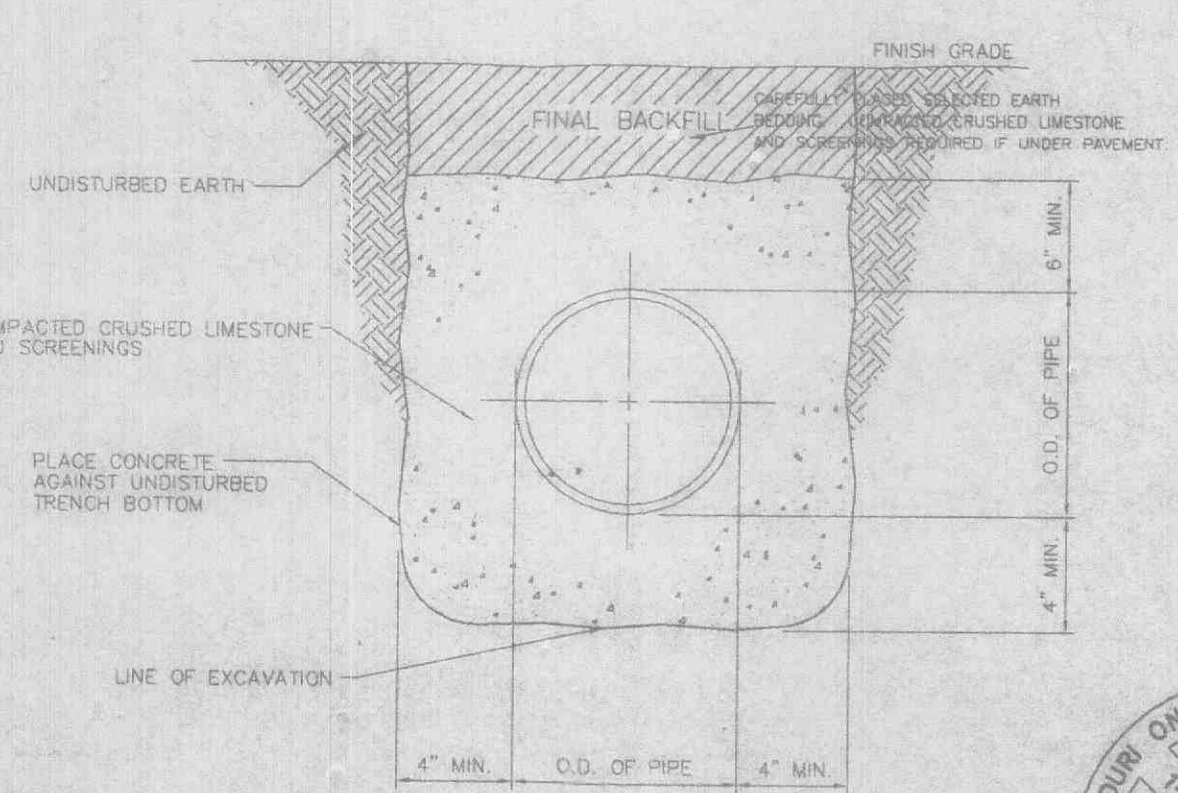
**PAVEMENT CROSS-SECTION DETAIL**  
NOT TO SCALE



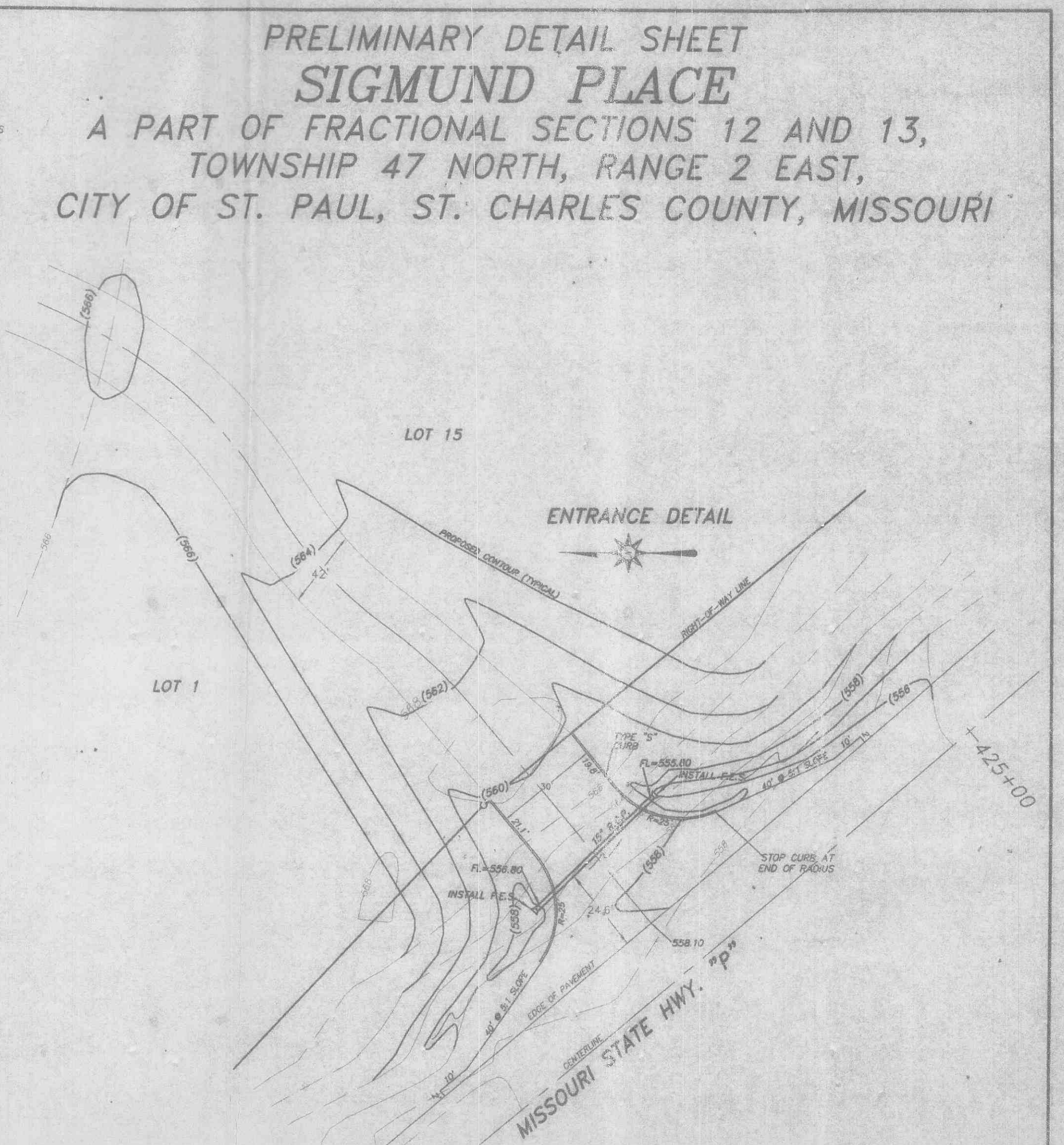
**LINE MANHOLE PIPE SEWERS 8"-24" DIA.**  
NOT TO SCALE



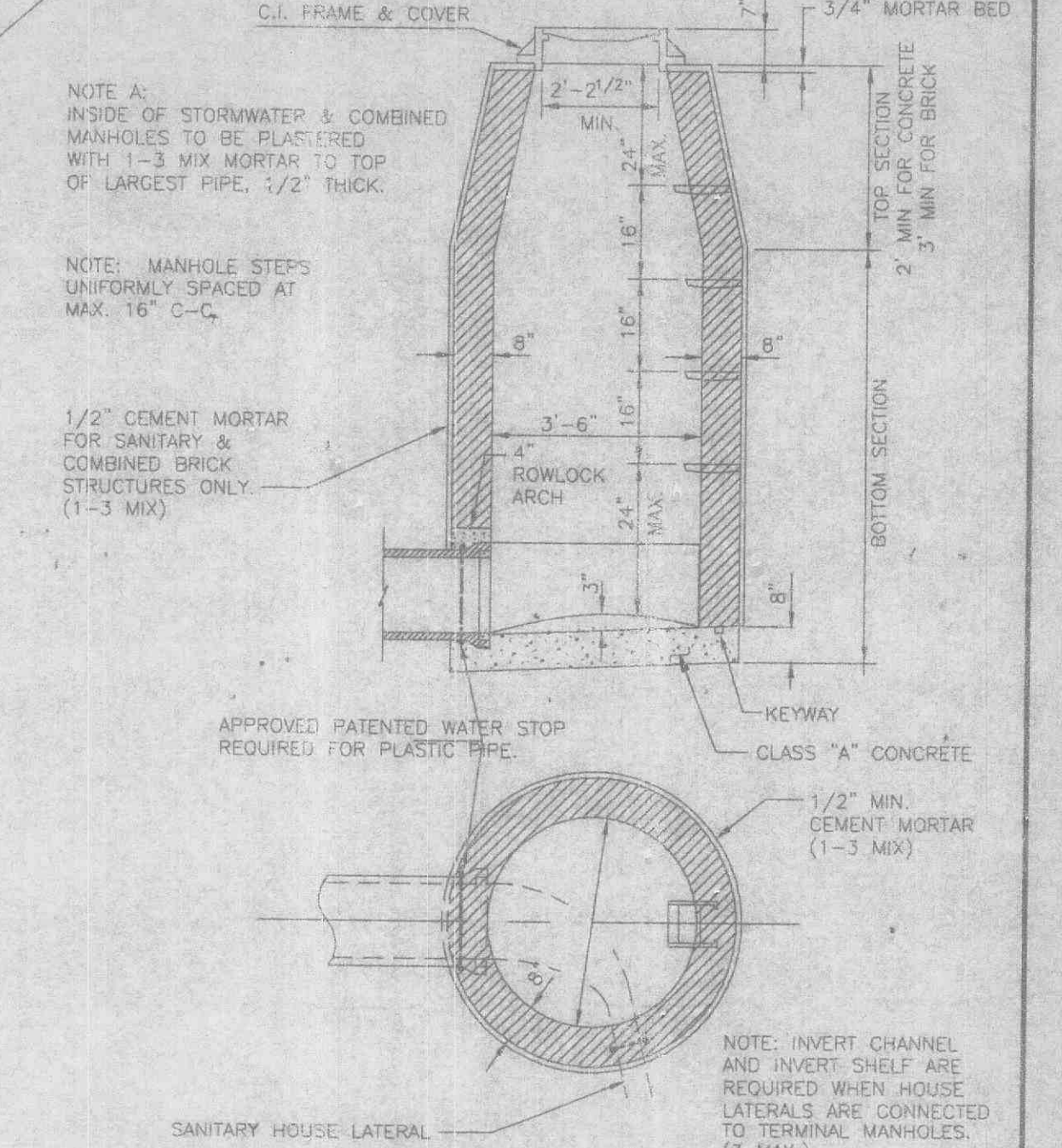
**OUTFALL STRUCTURE DETAIL**  
NOT TO SCALE



**PIPE BEDDING DETAIL**  
N.T. TO SCALE



**PRELIMINARY DETAIL SHEET SIGMUND PLACE**  
A PART OF FRACTIONAL SECTIONS 12 AND 13, TOWNSHIP 47 NORTH, RANGE 2 EAST, CITY OF ST. PAUL, ST. CHARLES COUNTY, MISSOURI



**TERMINAL MANHOLE**  
WAY TO SCALE

LANDMARK SURVEYING & ENGINEERING, INC.  
802 E. MAIN WENTZVILLE, MO. 63385  
PHONE NO. 636-332-9190 636-327-5853  
FAX NO. 636-332-9285

**DETAIL SHEET**

DRAWN BY: T. WHITE DATE: 7/10/06  
CHECKED BY: D.W.W. DATE: SHEET 4 OF 4  
REVISIONS BY: DATE:  
FILENAME: Sheet 4 - Details Sheet.dwg

