A DETAIL SHEET FOR

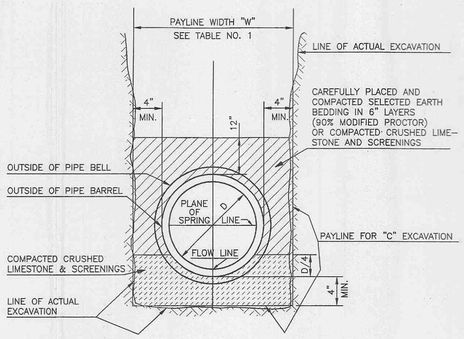
PERUQUE CROSSING

00-11282L 4-7-05

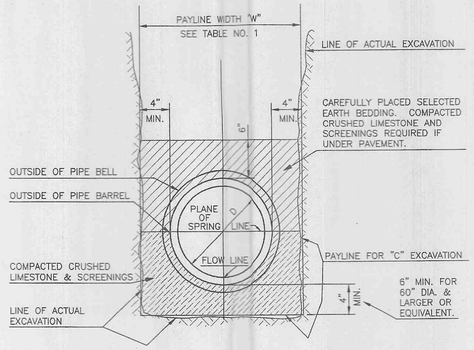
REVISIONS:
7-15-05 City Comments

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
Inside Diameter of Pipe (Inches)	"W" Payline Width of Trench (Inches)	"W" Payline Width of Trench (Feet)	Pay-volumes cu. ft. per ft. Concrete Encasement	Inside Diameter of Pipe (Inches)	"W" Payline Width of Trench (Inches)	"W" Payline Width of Trench (Feet)	Pay-volumes cu. ft. per ft. Concrete
4	28	2.33	3.20				
6	28	2.33	3.46				
8	28	2.33	3.70				
10	28	2.33	3.86				
12	28	2.33	3.98				
15	32	2.67	4.89				
18	35	2.92	5.63	14 X 23	41	3.42	5.94
21	39	3.25	6.61				
24	42	3.50	7.39	19 X 30	49	4.08	7.68
27	45	3.75	8.18	22 X 34	53	4.42	8.61
30	49	4.08	9.30	24 X 38	58	4.83	9.70
33	53	4.42	10.53	27 X 42	62	5.17	10.71
36	56	4.67	11.43	29 X 45	66	5.50	11.72
39	DISCONTINUED			32 X 49	71	5.92	13.14
42	63	5.25	13.38	34 X 53	75	6.25	14.05
48	70	5.83	15.67	38 X 60	83	6.92	16.18

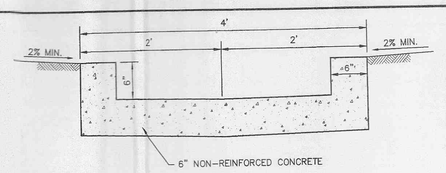
TABLE NO. 1
PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE



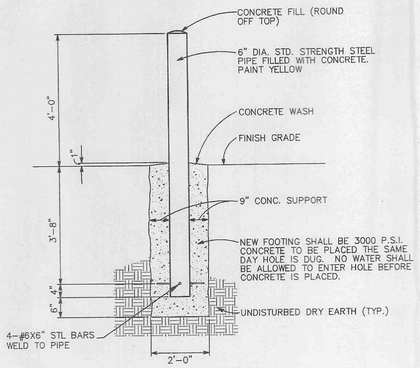
PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)



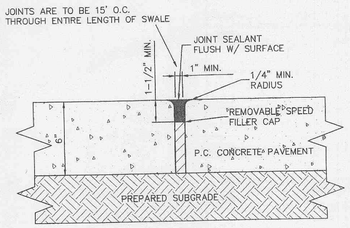
PIPE BEDDING CLASS "C"
(MODIFIED FOR REINFORCED CONCRETE PIPE)



CONCRETE SWALE
NOT TO SCALE

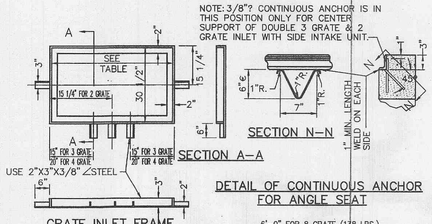


PIPE BOLLARD DETAIL
NOT TO SCALE



EXPANSION JOINT

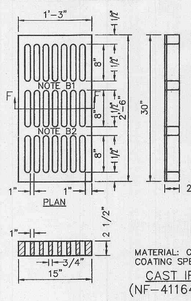
6" CONCRETE PAVEMENT JOINT DETAIL
FOR DETENTION BASIN SWALE
NOT TO SCALE



GRATE INLET FRAME

SECTION A-A

DETAIL OF CONTINUOUS ANCHOR FOR ANGLE SEAT



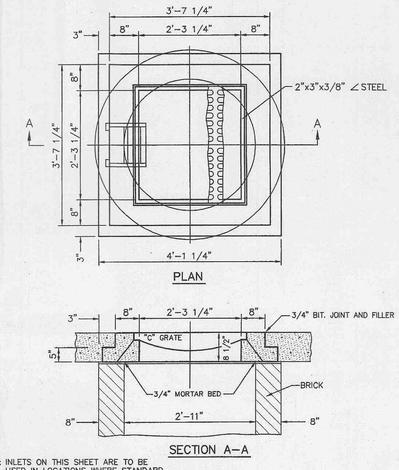
CAST IRON GRATE
(NF-41164 OR EQUAL)

TABLE FOR SIZE OF FRAMES
2 GRATE = 30 1/2"X30 1/2"
3 GRATE = 30 1/2"X45 1/2"
4 GRATE = 30 1/2"X60 1/2"

NOTE B: PROVIDE 1/8" RAISED LETTERING APPROX. 3/4" TO 1" HIGH.
B1: METRO ST. LOUIS
B2: SEWER DIST. SEWERS

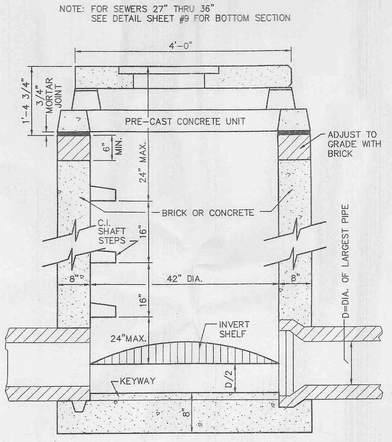
MATERIAL: CAST GRAY IRON ASTM. A48 CLASS 35B
COATING SPEC. PER MSD SPEC. (0-01" COLD TAR)

DETAILS OF INLET FRAME AND GRATES



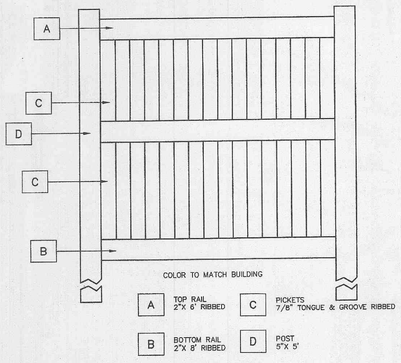
NOTE: INLETS ON THIS SHEET ARE TO BE USED IN LOCATIONS WHERE STANDARD OPEN THROAT INLETS CAN NOT BE USED, IN PAVED TRAFFIC WAY, AND IN LIMITED EASEMENTS.

2 GRATE INLET

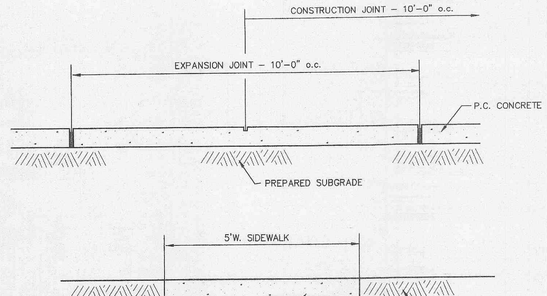


AREA INLET
(12" THRU 24")

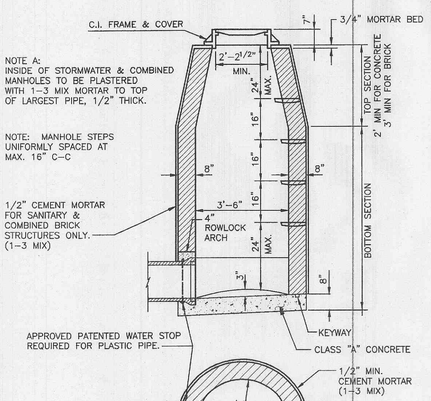
NOTE: PROVIDE 5/8" DIAMETER TRASH BAR.



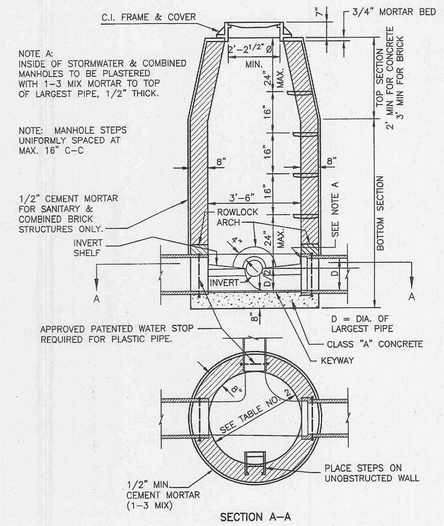
HVAC VINYL SCREENING FENCE DETAIL
NOT TO SCALE



CONCRETE SIDEWALK DETAIL
NOT TO SCALE



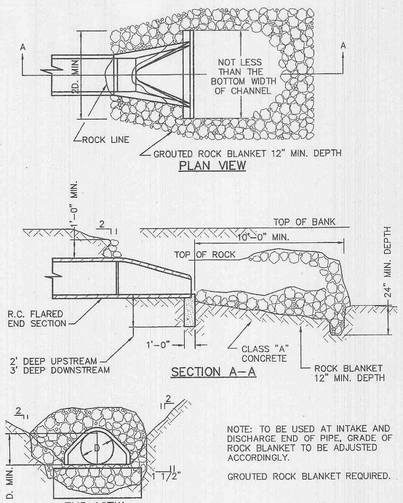
TERMINAL MANHOLE



SECTION A-A

NOTE: ALL PUBLIC MANHOLES SHALL HAVE A 31MIL WATERPROOFING.

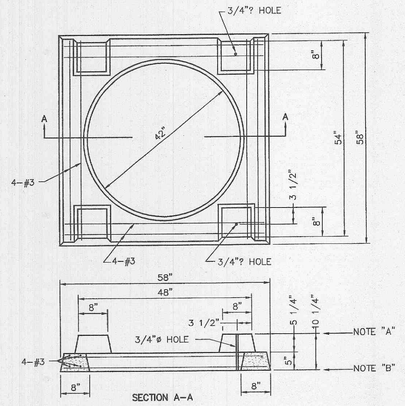
LINE MANHOLE
PIPE SEWERS 8"-24" DIA.



NOTE: TO BE USED AT INTAKE AND DISCHARGE END OF PIPE. GRADE OF ROCK BLANKET TO BE ADJUSTED ACCORDINGLY.

GROUTED ROCK BLANKET REQUIRED.

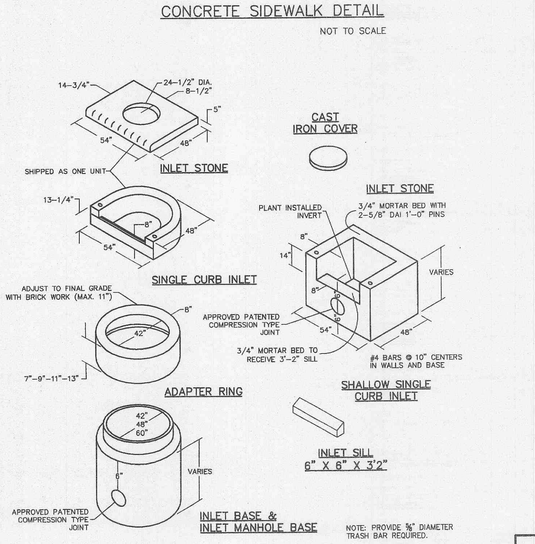
FLARED END SECTION



4000 P.S.I. CONCRETE REQUIRED

NOTES:
A. SET STANDARD INLET STONE IN 3/4" MORTAR BED AND DOWEL WITH 5/8"ø 1'-0" LONG PINS AND GROUT.
B. RAISE TO FINAL GRADE WITH COURSES OF BRICK AND SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
C. THIS UNIT TO BE USED WITH, 42" I.D., POURED IN PLACE CONCRETE OR BRICK BASE.
D. PROVIDE 5/8" DIAMETER TRASH BAR REQUIRED.

PRECAST CONCRETE UNIT
FOR
4-WAY AREA INLET



NOTE: PROVIDE 5/8" DIAMETER TRASH BAR REQUIRED.

SINGLE STREET INLETS
PRECAST CONCRETE
NOT TO SCALE

O'FALLON #2001.09