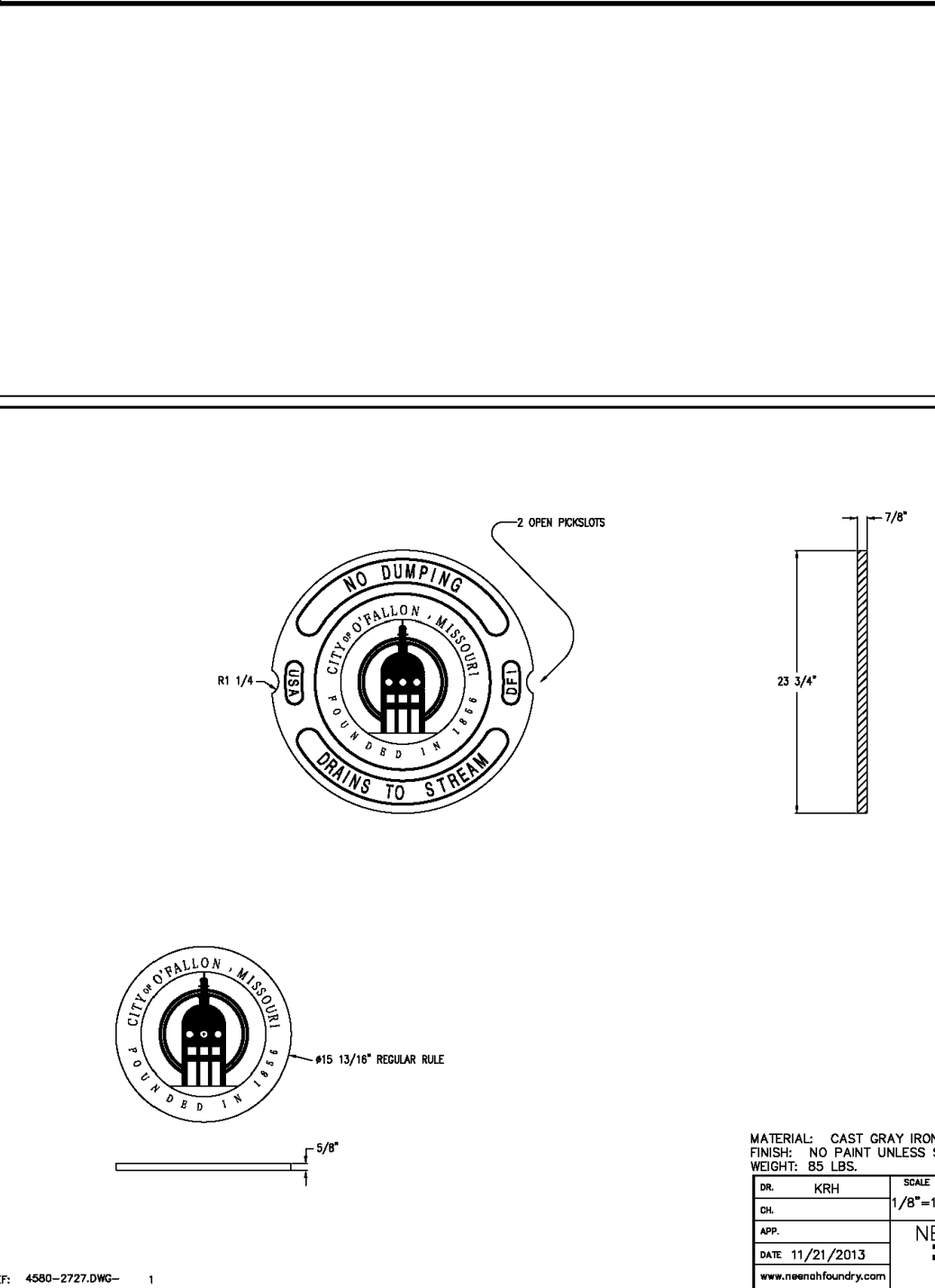
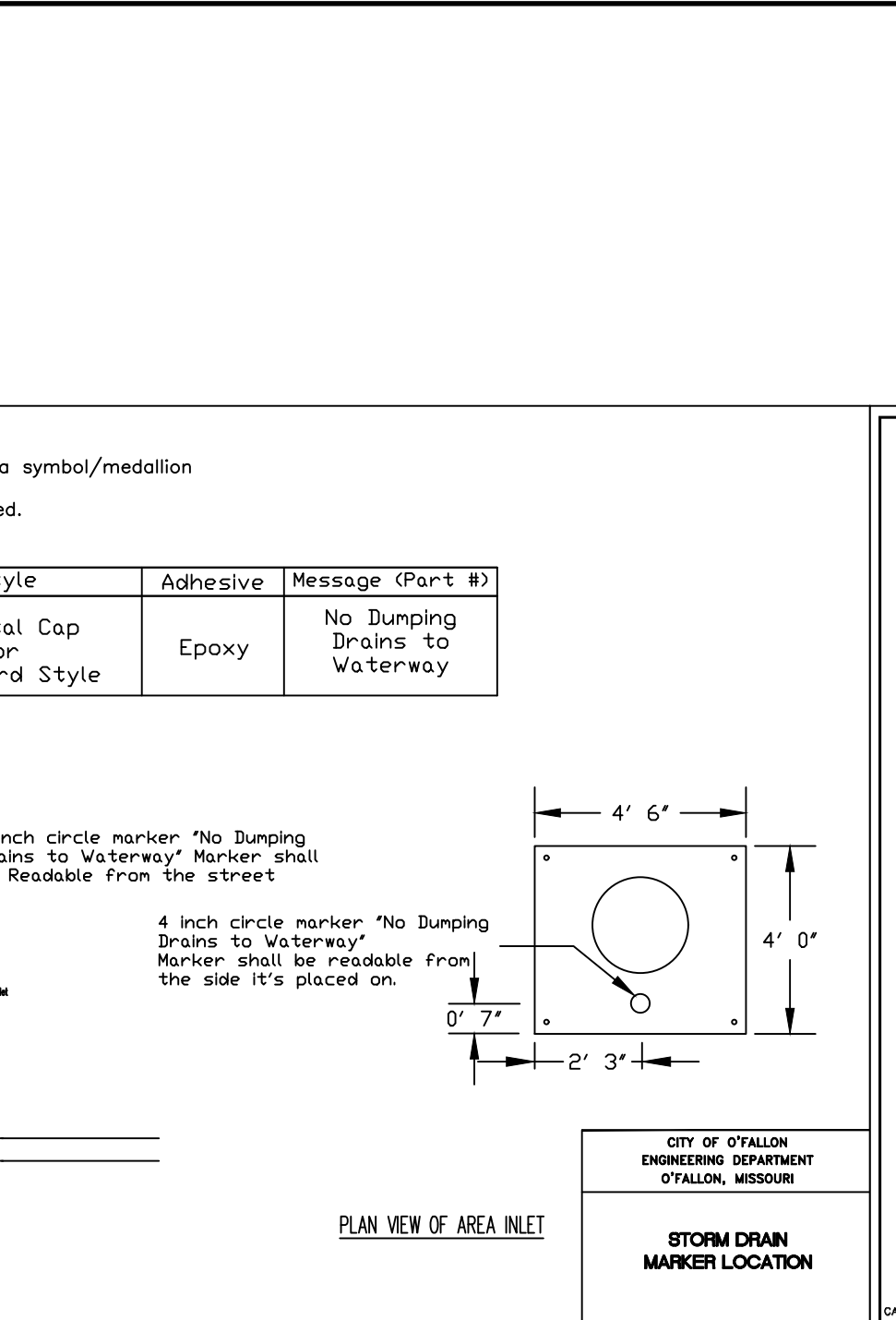
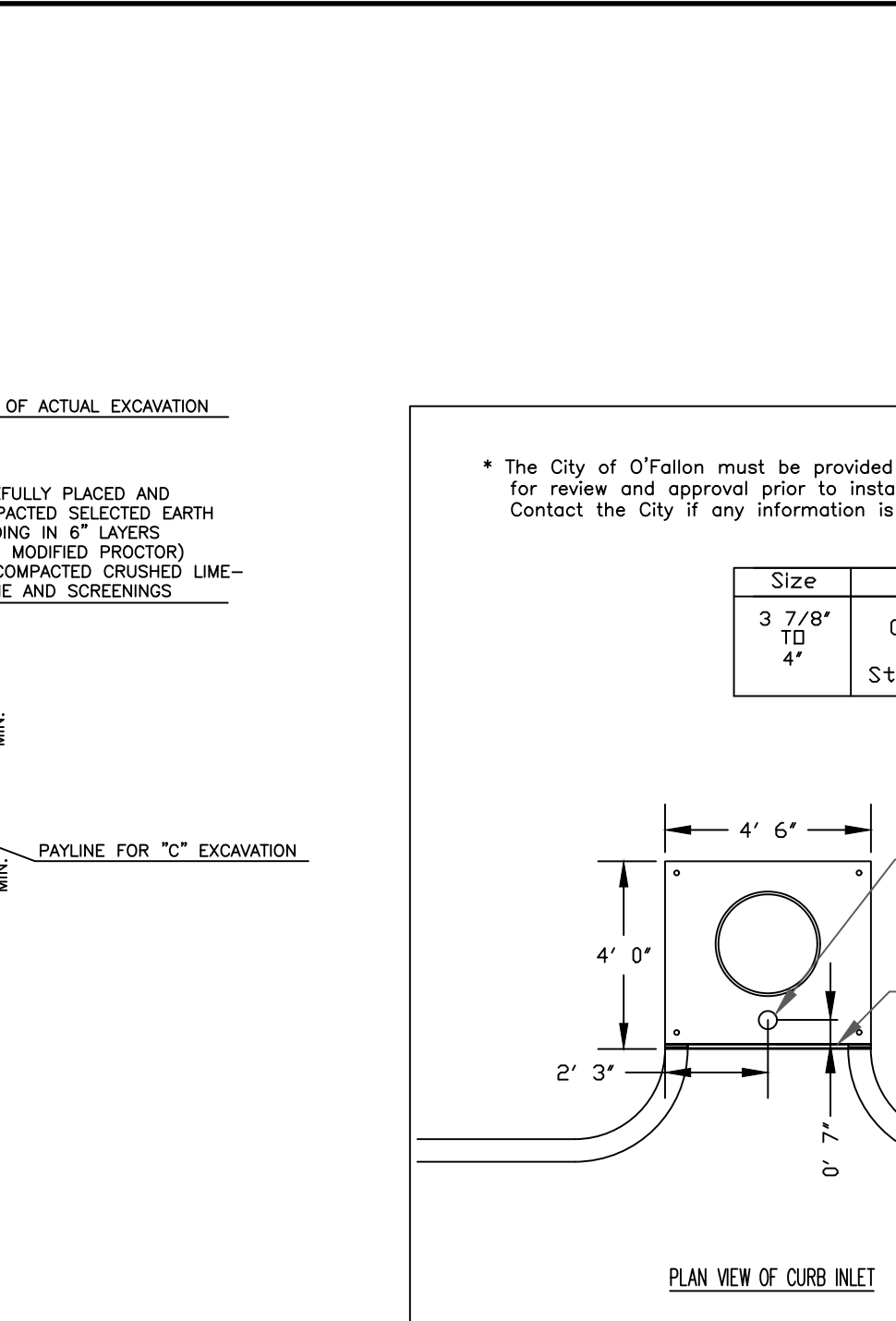
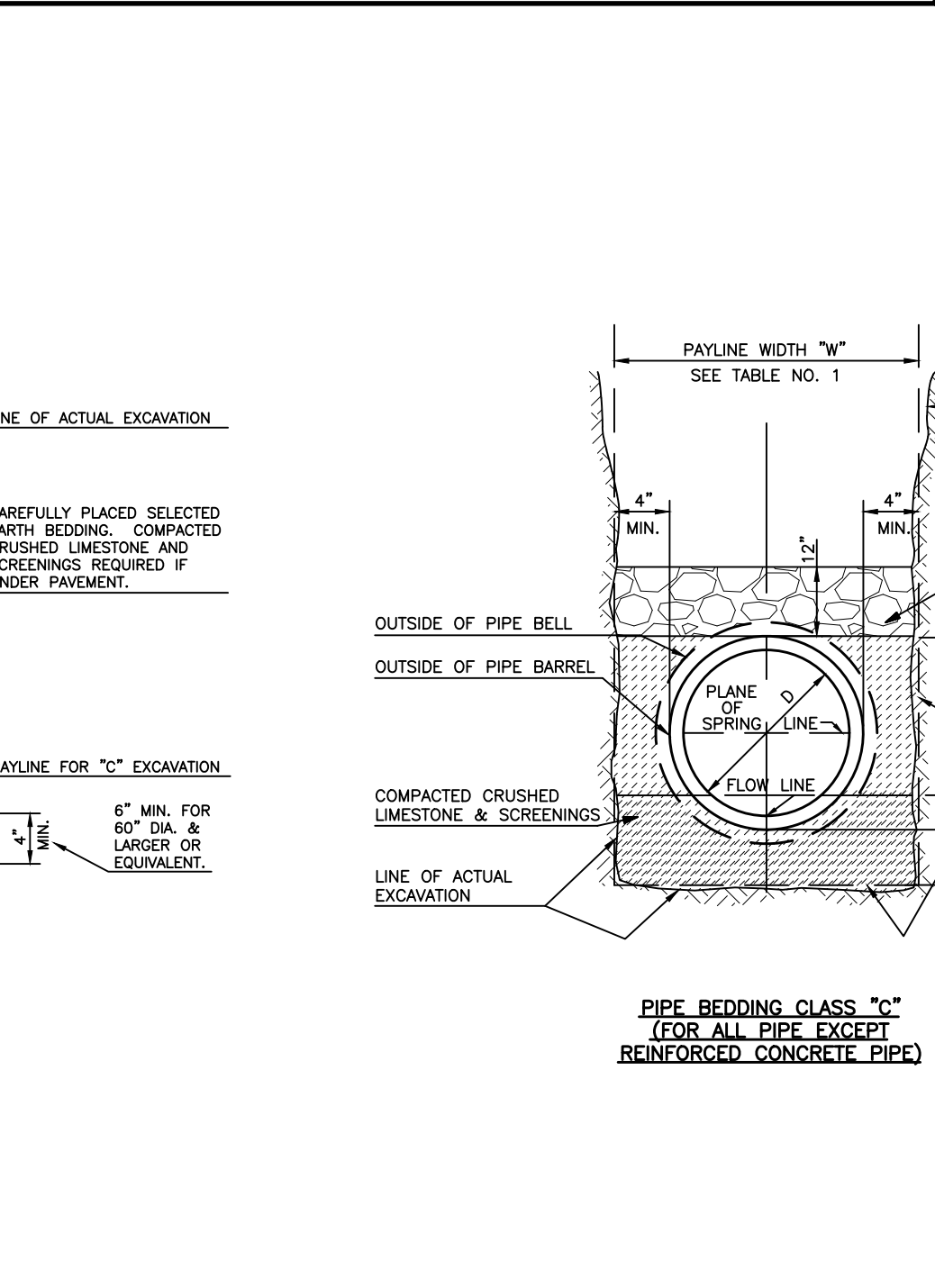
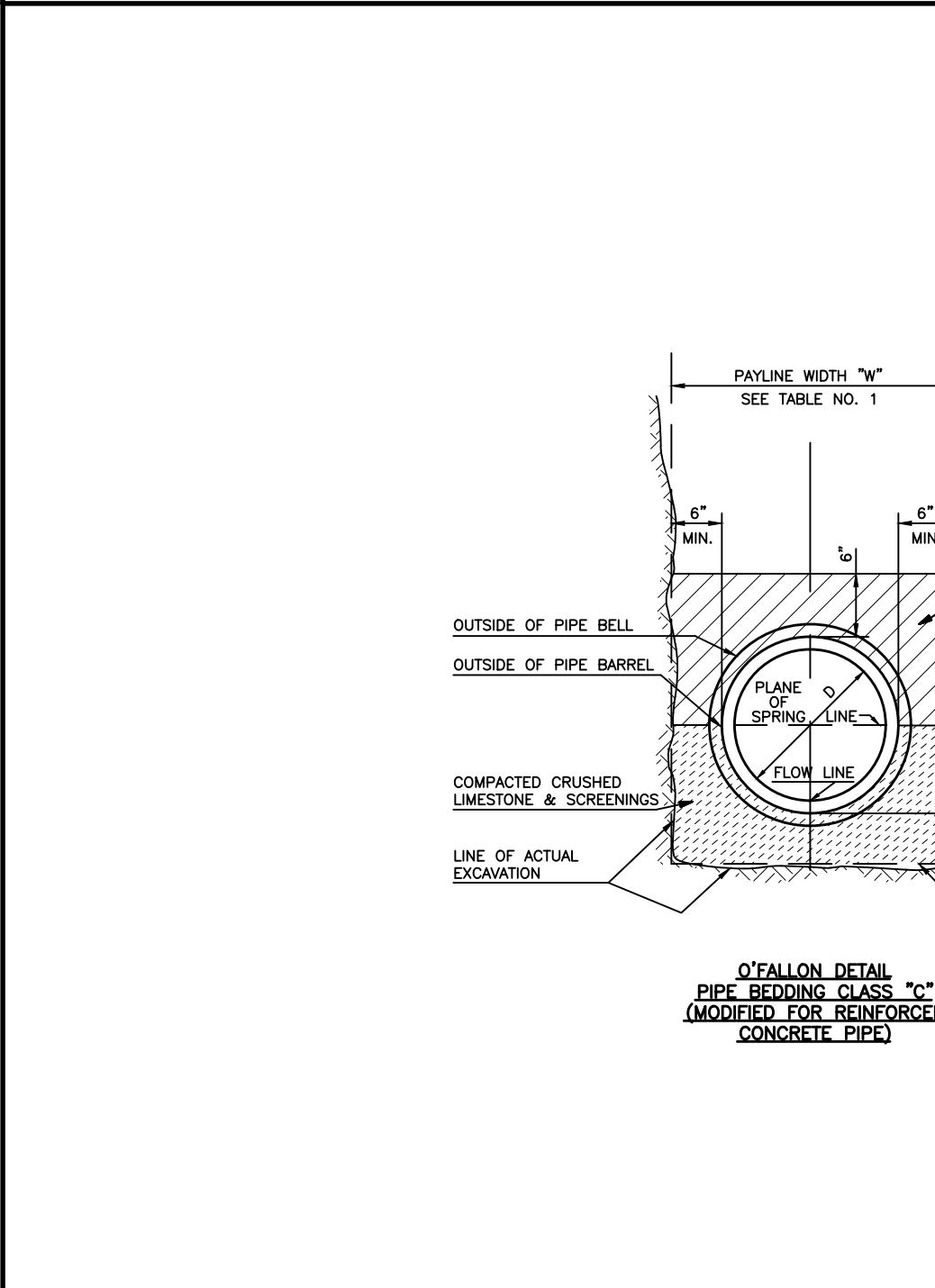
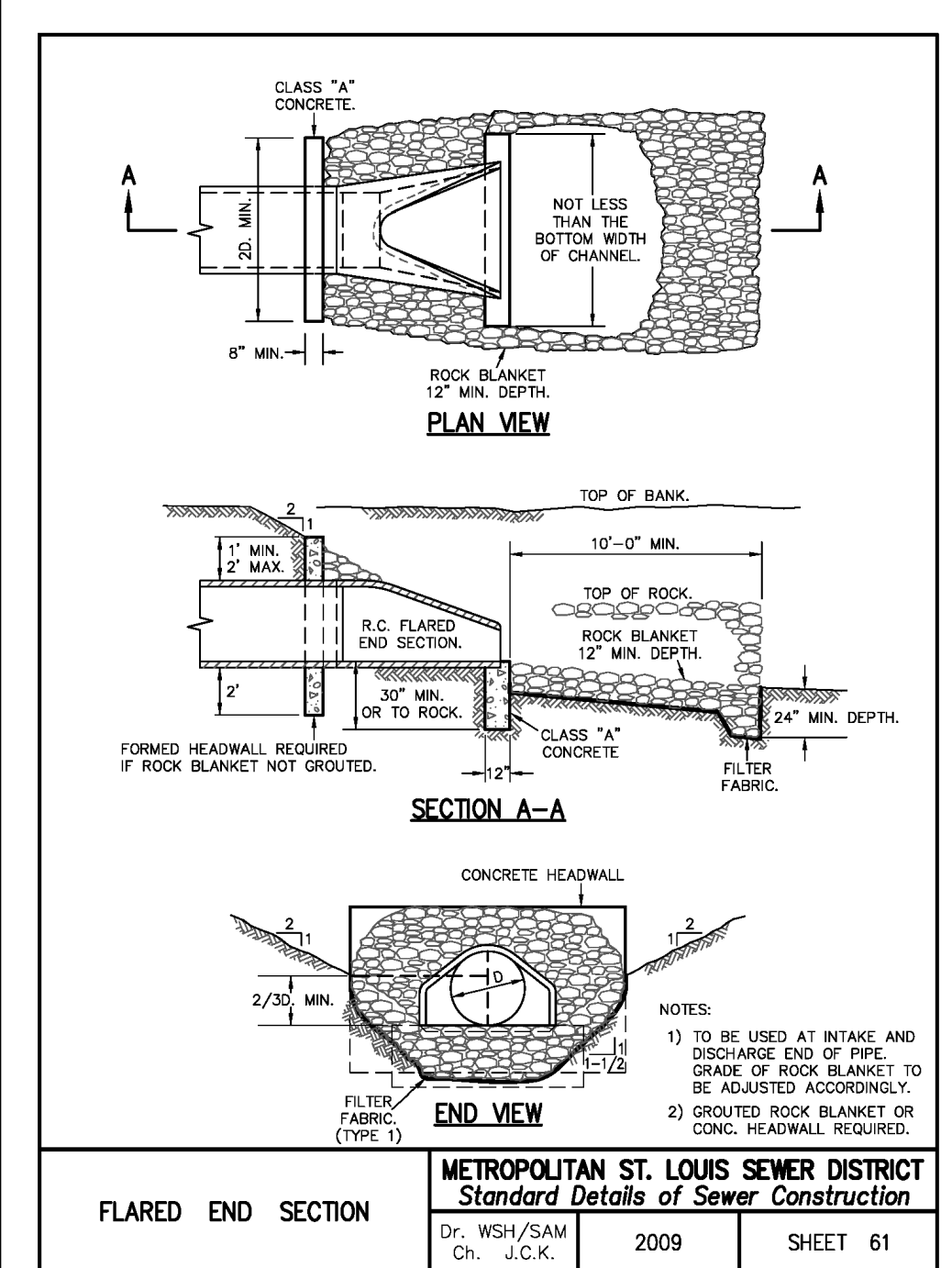
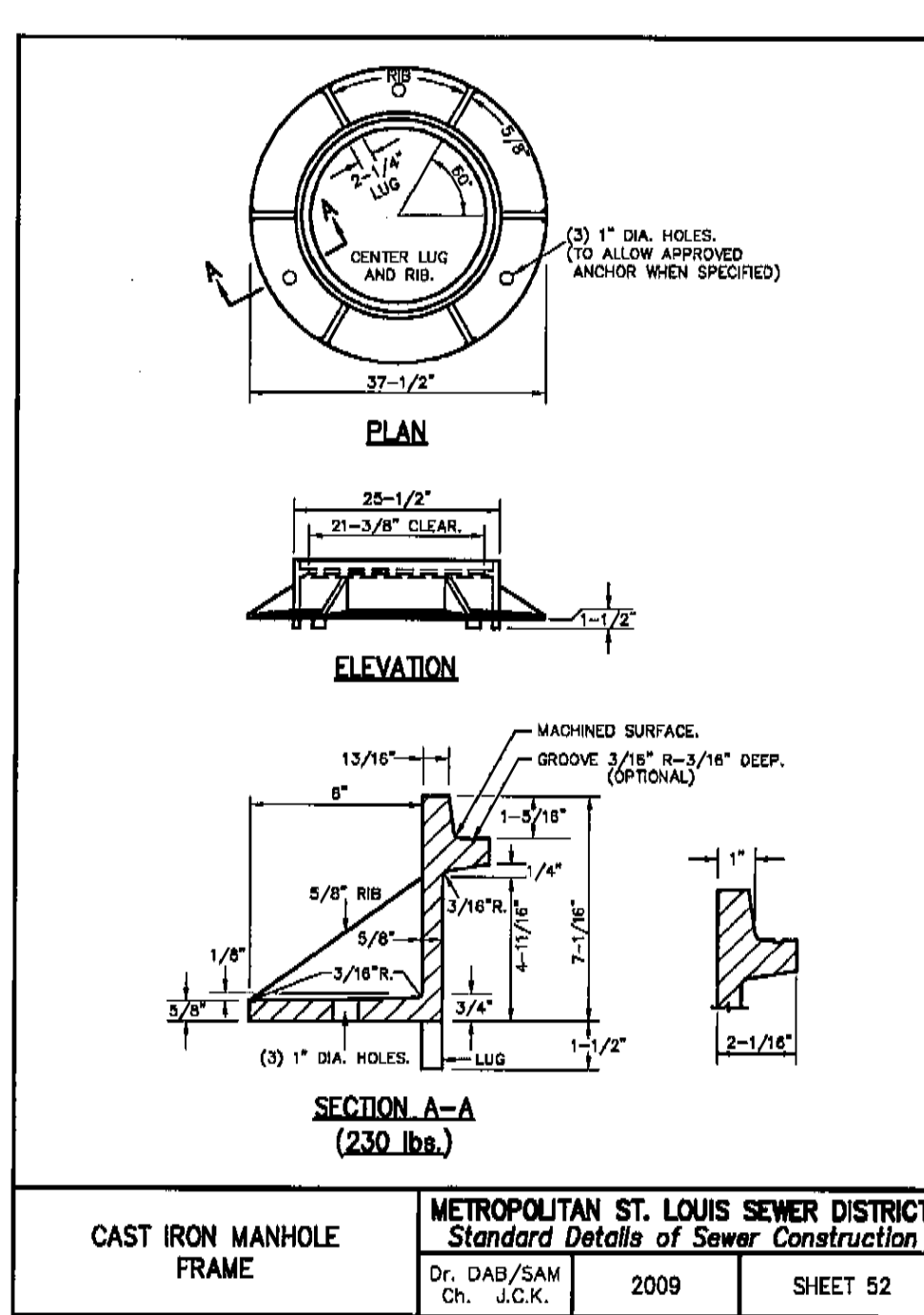
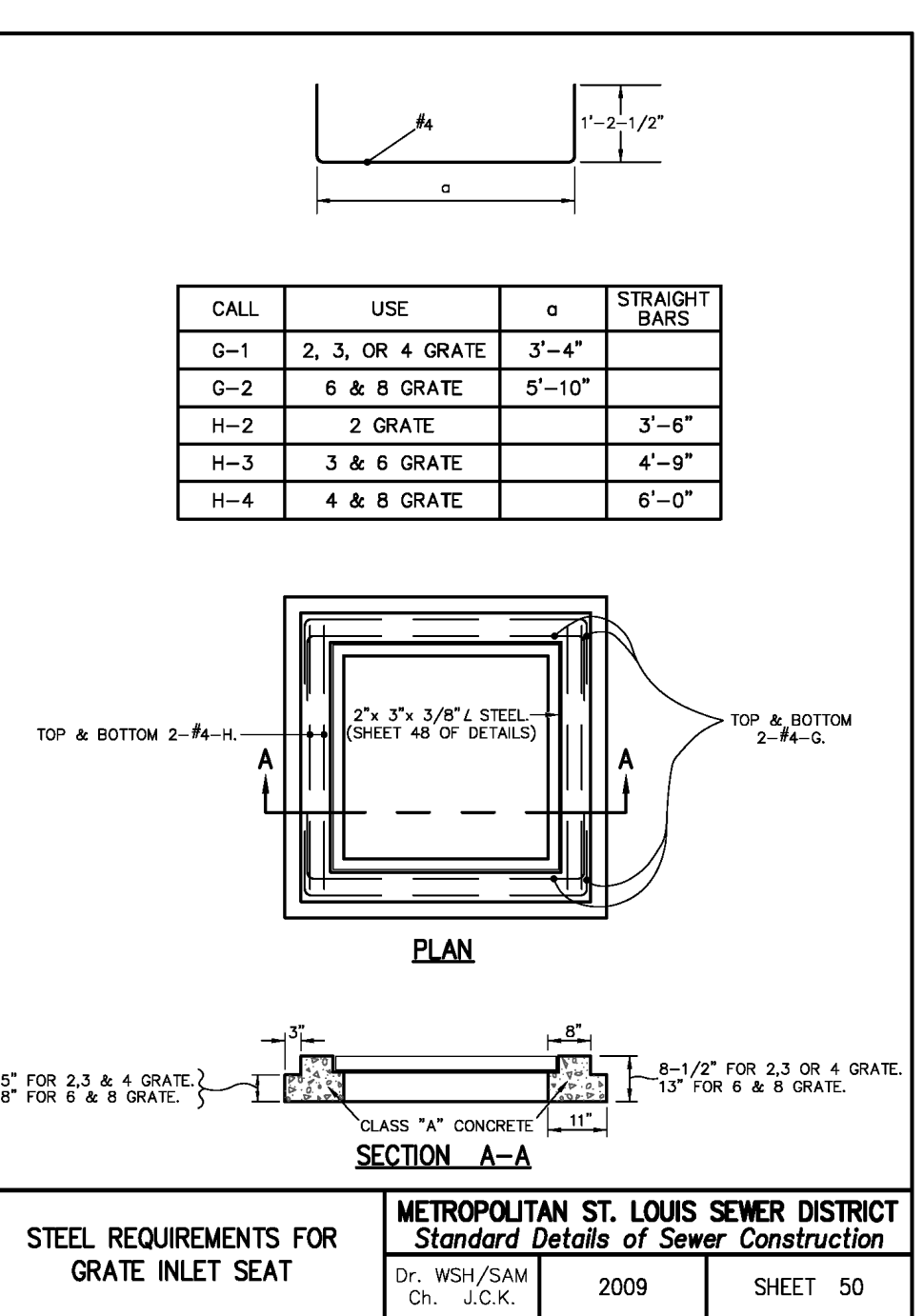
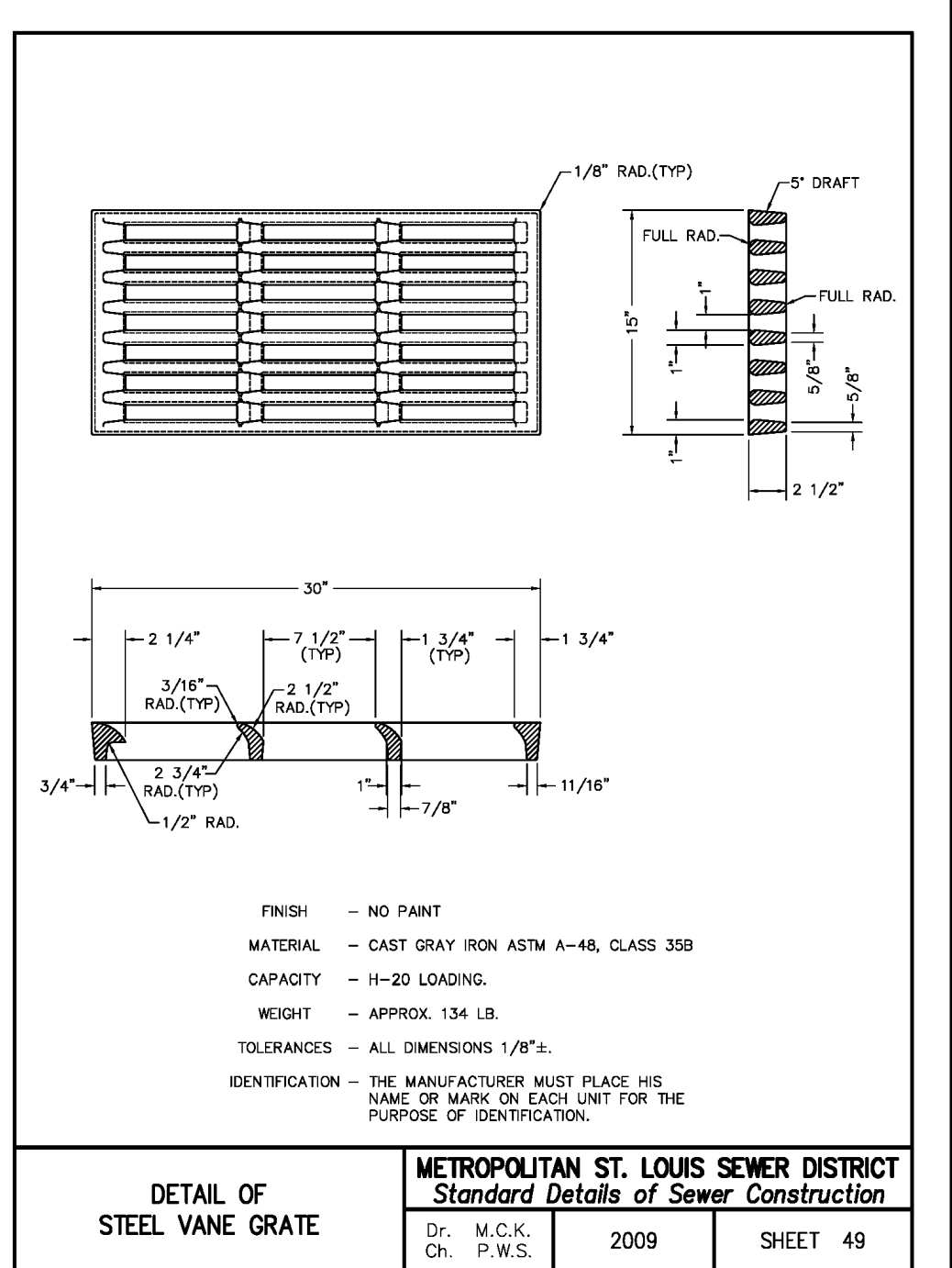
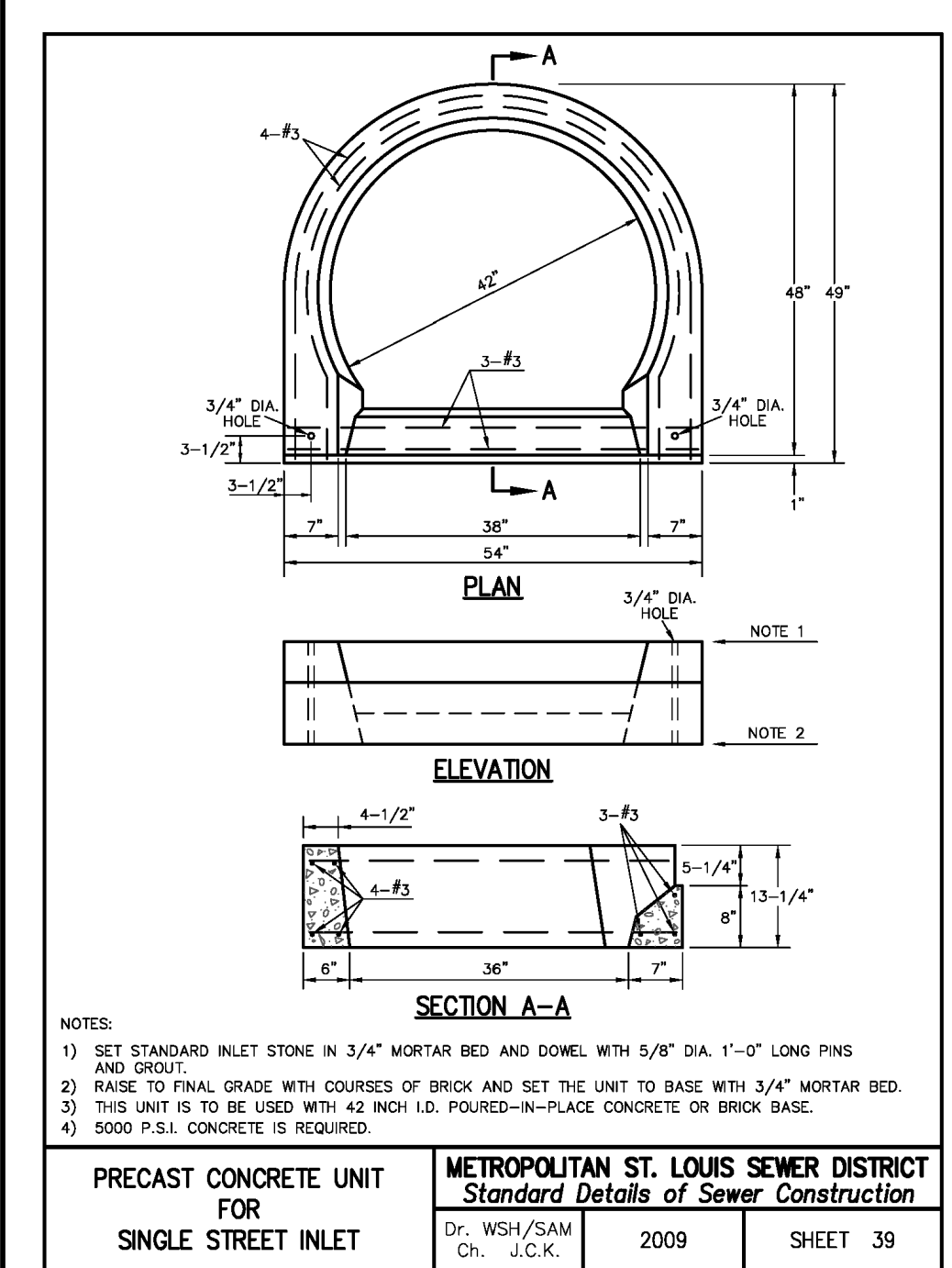
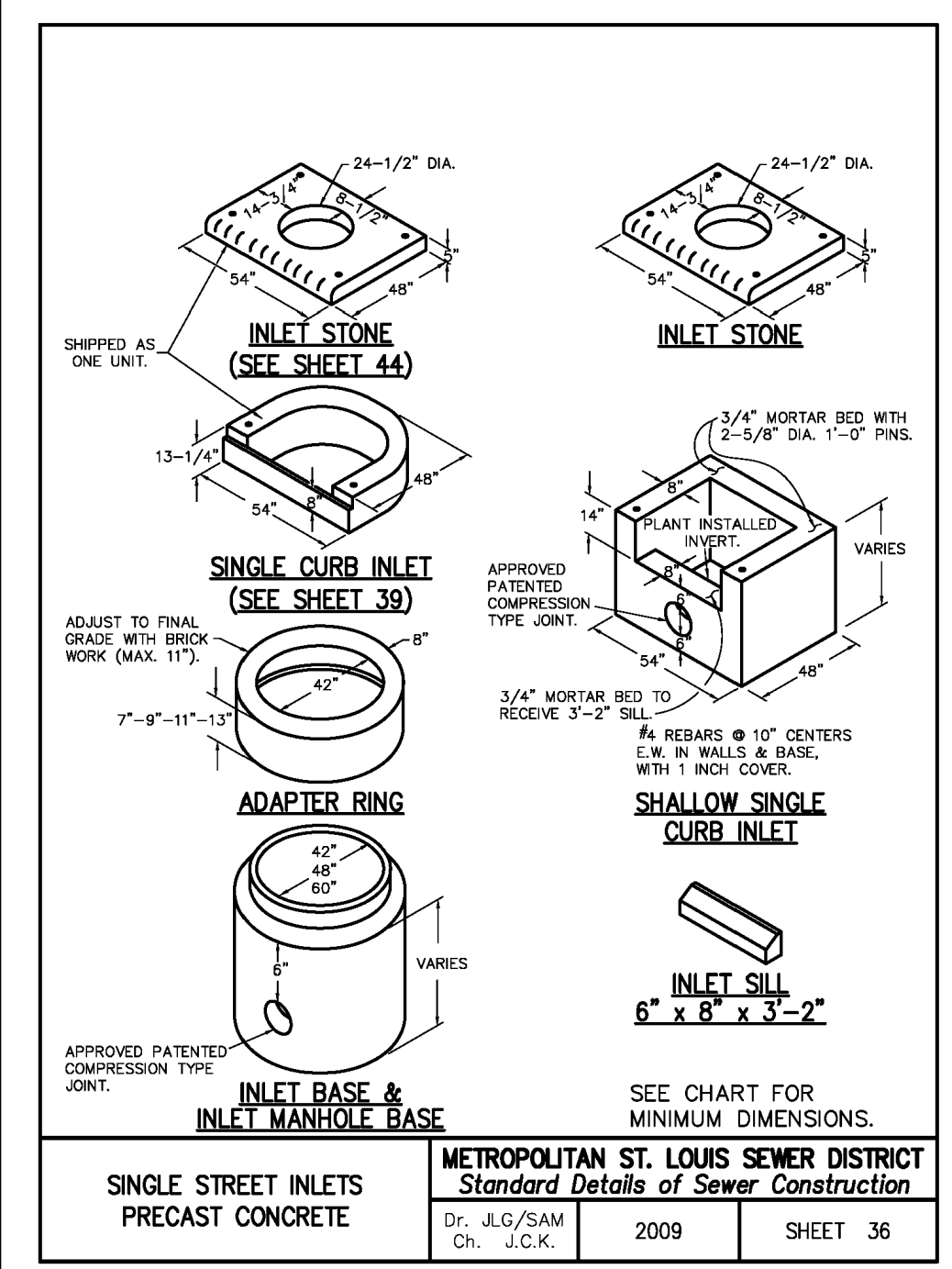
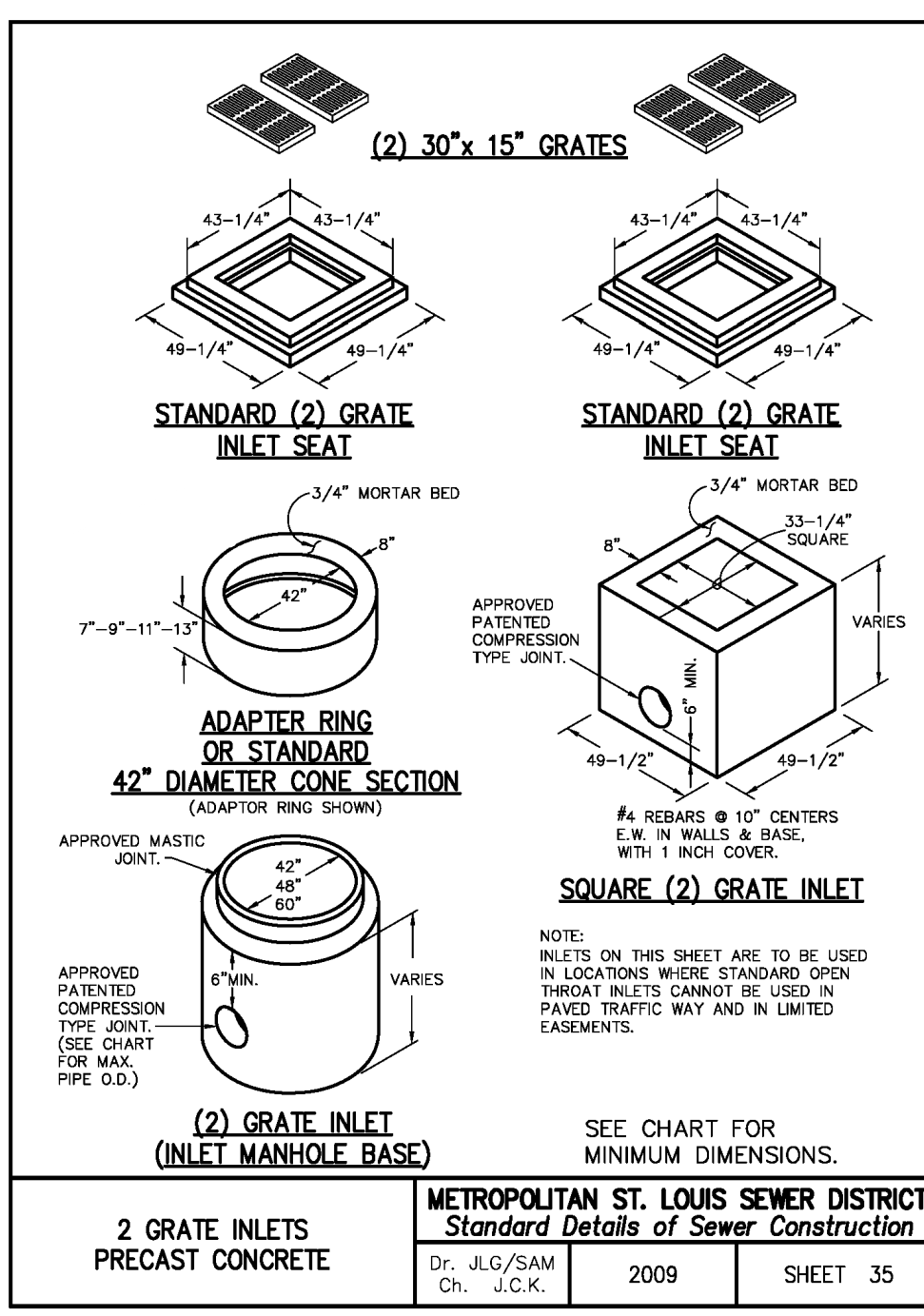
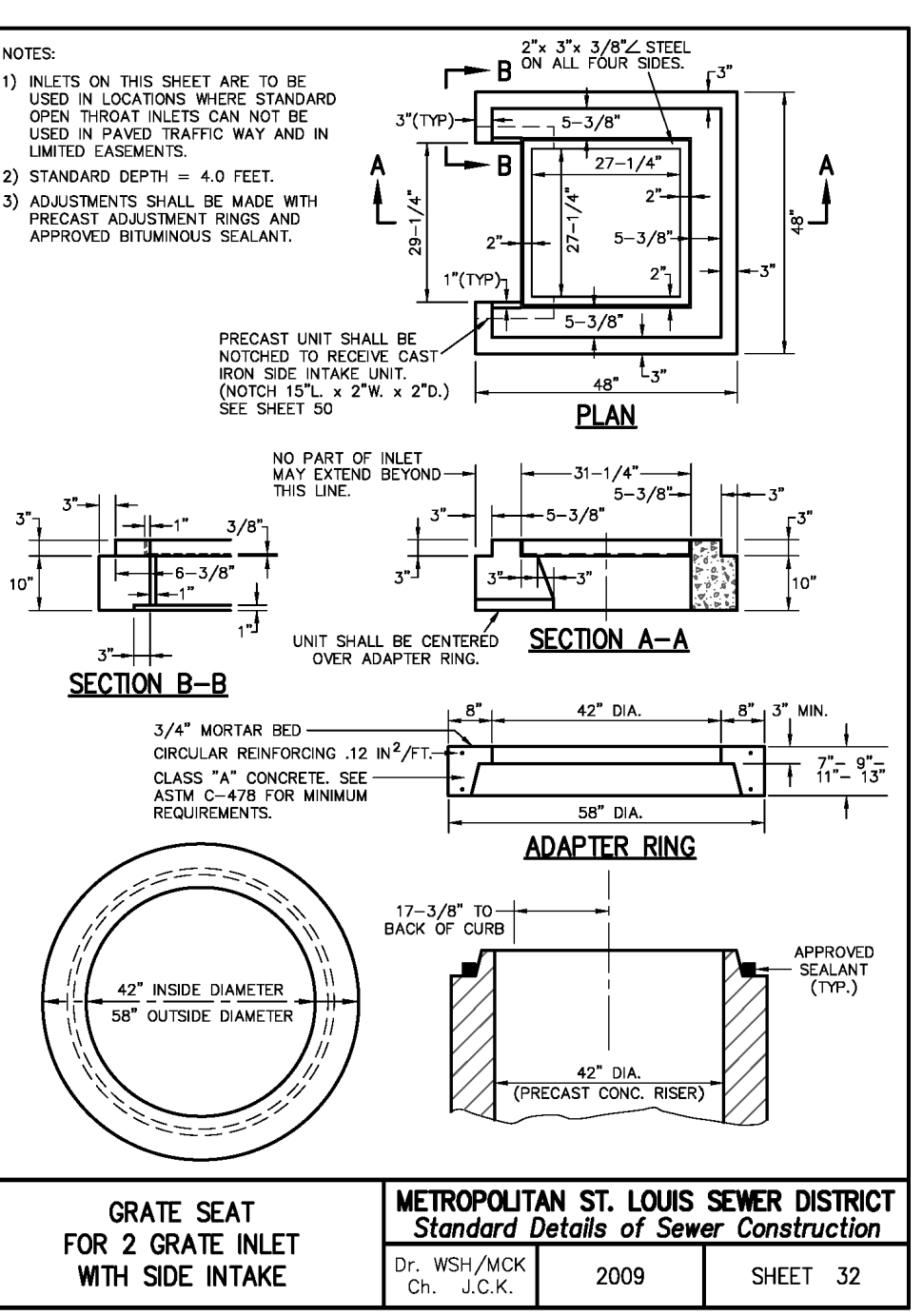
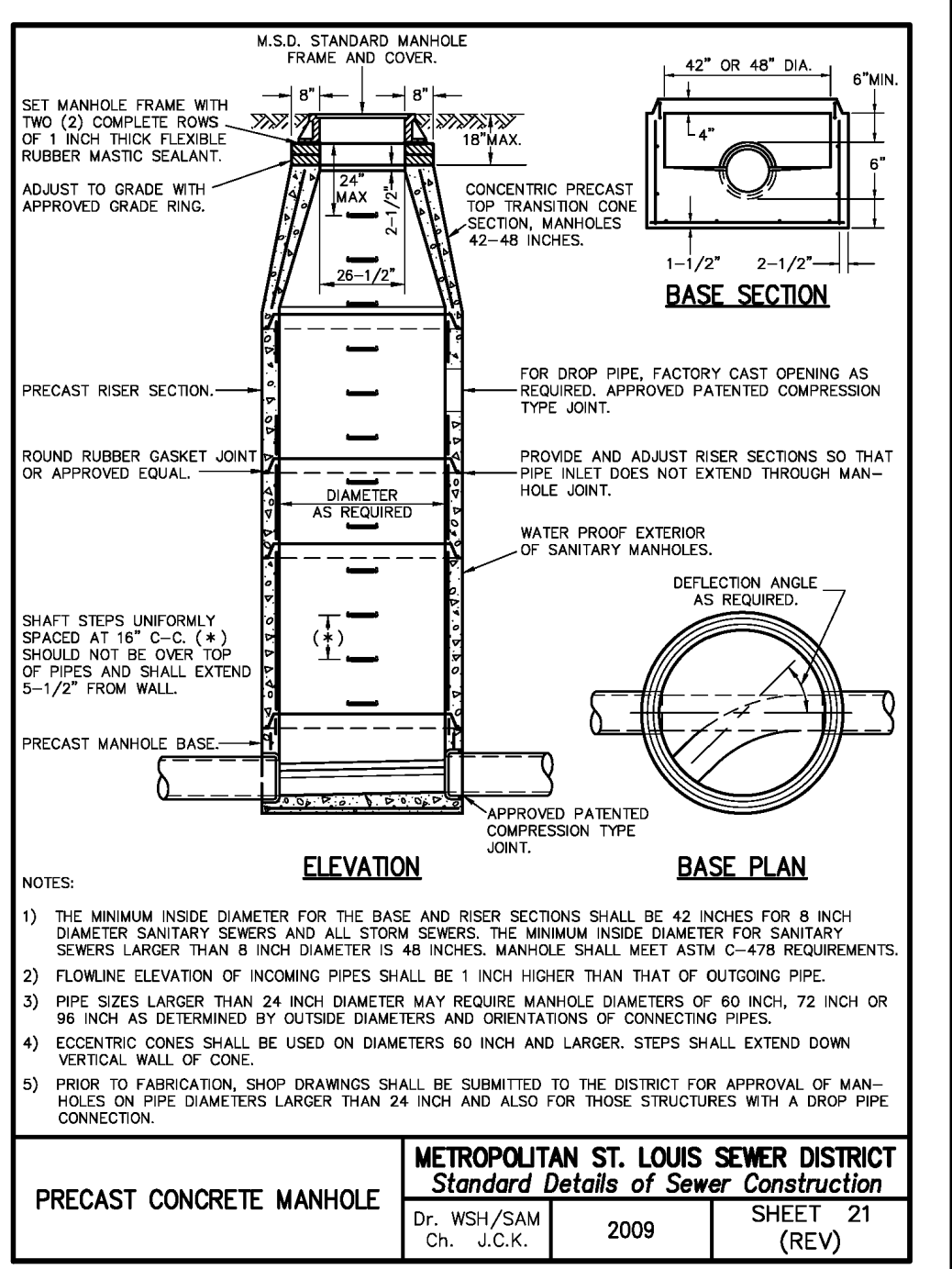


ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSD. DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	CONCRETE ENCASUREMENT	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	CONCRETE ENCASUREMENT	
4	30	2.50	3.28				
6	30	2.50	3.59				
8	30	2.50	3.87				
10	30	2.50	4.09				
12	30	2.50	4.25				
15	36	3.00	5.55				
18	36	3.00	5.77	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	48	4.08	8.90	24 x 38	58	4.83	9.70
33	53	4.42	10.53	27 x 42	62	5.17	10.71
36	58	4.87	11.43	29 x 45	66	5.50	11.72
39	63	5.25	13.38	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
54	77	6.42	18.15	43 x 68	92	7.67	18.81
60	84	7.00	20.73	48 x 76	101	8.42	21.59
66	91	7.58	23.45	53 x 83	109	9.08	24.35
72	98	8.17	26.37	58 x 91	118	9.83	27.45
78	105	8.75	29.39	63 x 99	126	10.50	30.50
84	112	9.33	32.57	68 x 106	135	11.25	33.91
90	119	9.92	35.90	72 x 113	143	11.92	36.99
96	126	10.50	39.37	77 x 121	152	12.67	40.69
102	133	11.08	42.99	82 x 128	160	13.33	44.45
108	140	11.67	46.75	87 x 136	168	14.00	47.79
114	147	12.25	50.66	92 x 143	176	14.67	51.70
120	154	12.83	54.72	97 x 151	185	15.42	56.01
126	161	13.42	58.92				
132	168	14.00	63.27	106 x 158	202	16.83	64.48
144	182	15.17	72.40	116 x 180	218	18.17	73.99

TABLE 1
PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction

Dr. B.E.D. Ch. J.C.K. 2009 SHEET 1



ENGINEER SEAL DOES NOT APPLY TO MSD AND CITY OF O'FALLON DETAILS

PROJECT TITLE:
CONSTRUCTION PLANS FOR
Dollar General
395 TR Hughes Boulevard
O'Fallon, MO 63366

ENGINEERING
PLANNING
SURVEYING

221 Point View Blvd.
St. Charles, MO 63301
636-928-5562
FAX 928-1718

STATE OF MISSOURI
PROFESSIONAL ENGINEER

07/11/23

Copyright © 2022
Five Engineers and Surveyors, Inc.
Authority No. 009655
All Rights Reserved

REVISIONS

12-21-22	CITY COMMENTS
01-04-23	CITY COMMENTS
01-06-23	CITY COMMENTS
05-03-23	DC REVISIONS
05-17-23	CITY COMMENTS
07-11-23	4' HIGH FENCE

Developer / Owner:
DG Partners L.L.C.
5330 Salt River Road
St. Peters, MO 63376
(636) 970-0330

P+Z No. 22-009150
Approved: 10-06-22

City No. #

Page No.

13 of 16

CONSTRUCTION DETAILS

Issue Date: 11/29/2022

13 of 16