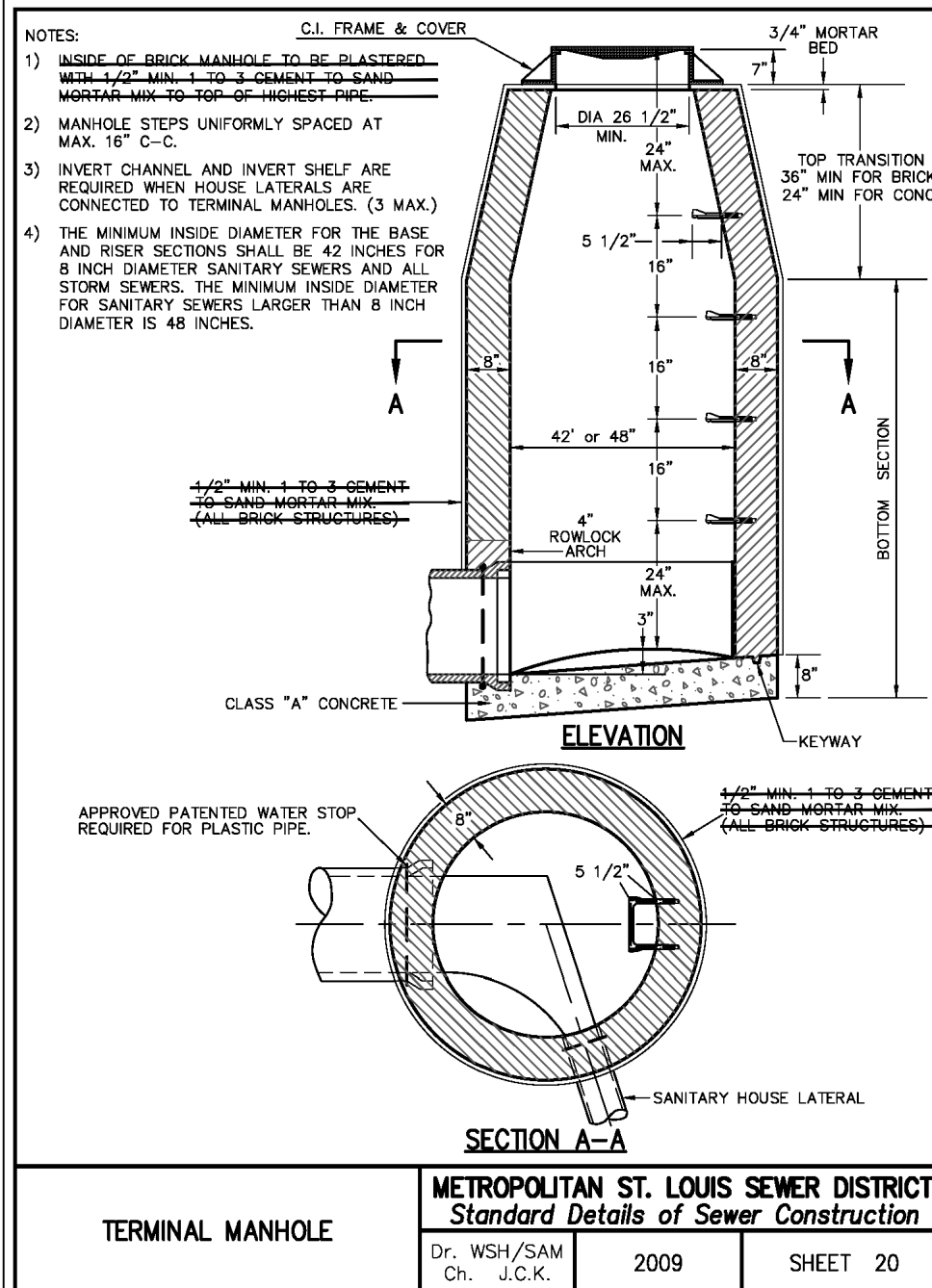
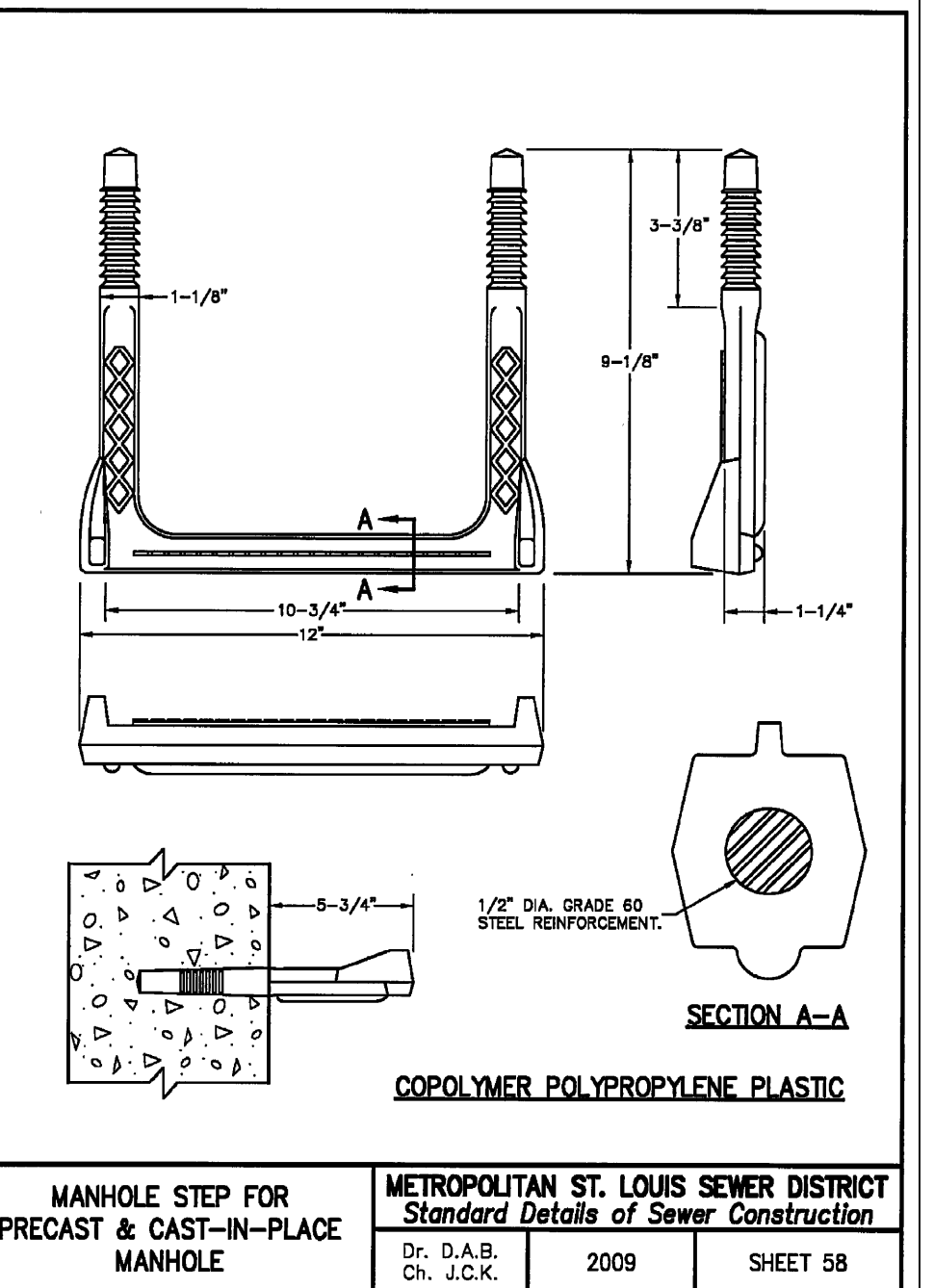


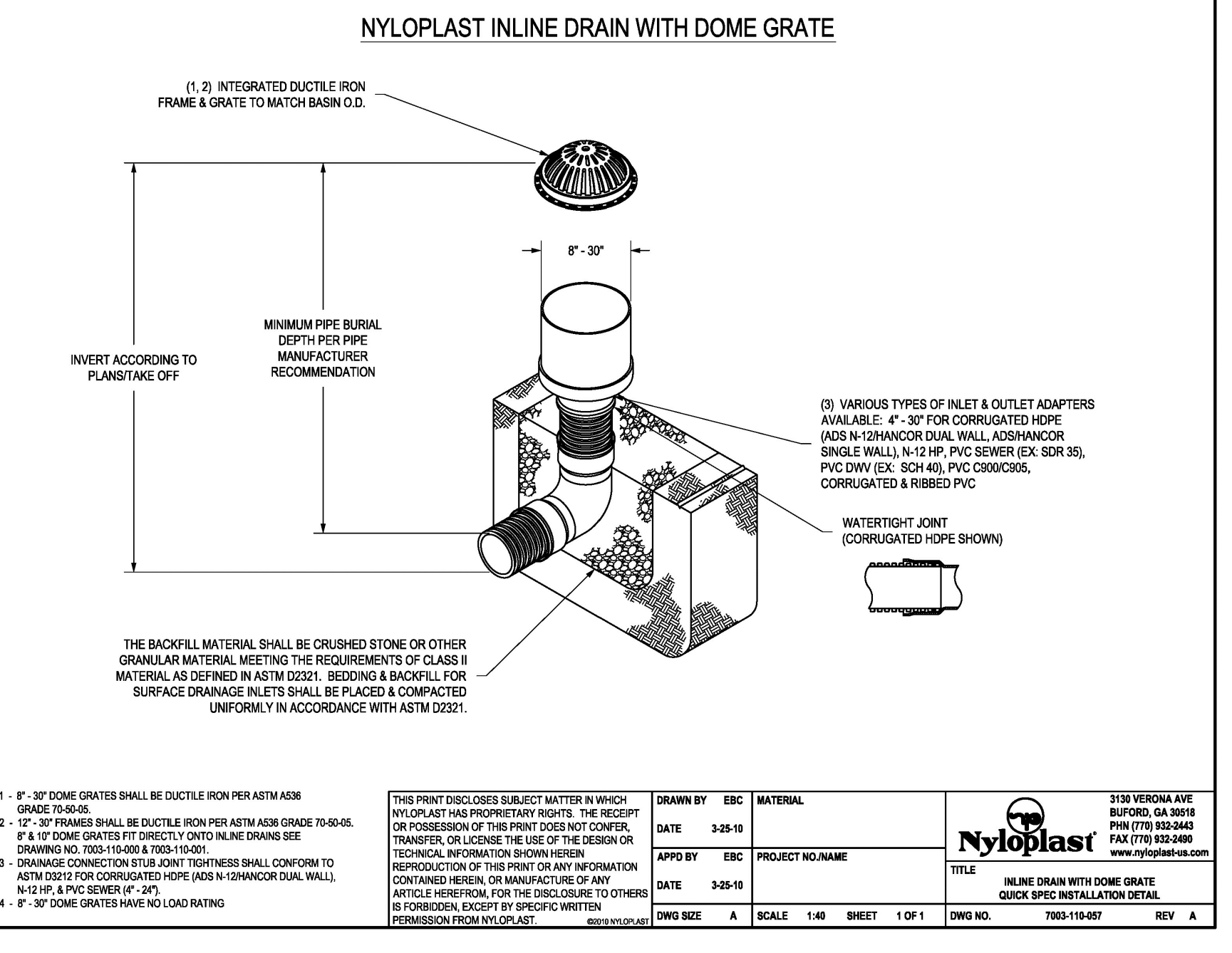
PRECAST CONCRETE UNIT FOR 4 WAY AREA INLET  
 Dr. DAB/SAM Ch. J.C.K. 2009 SHEET 40



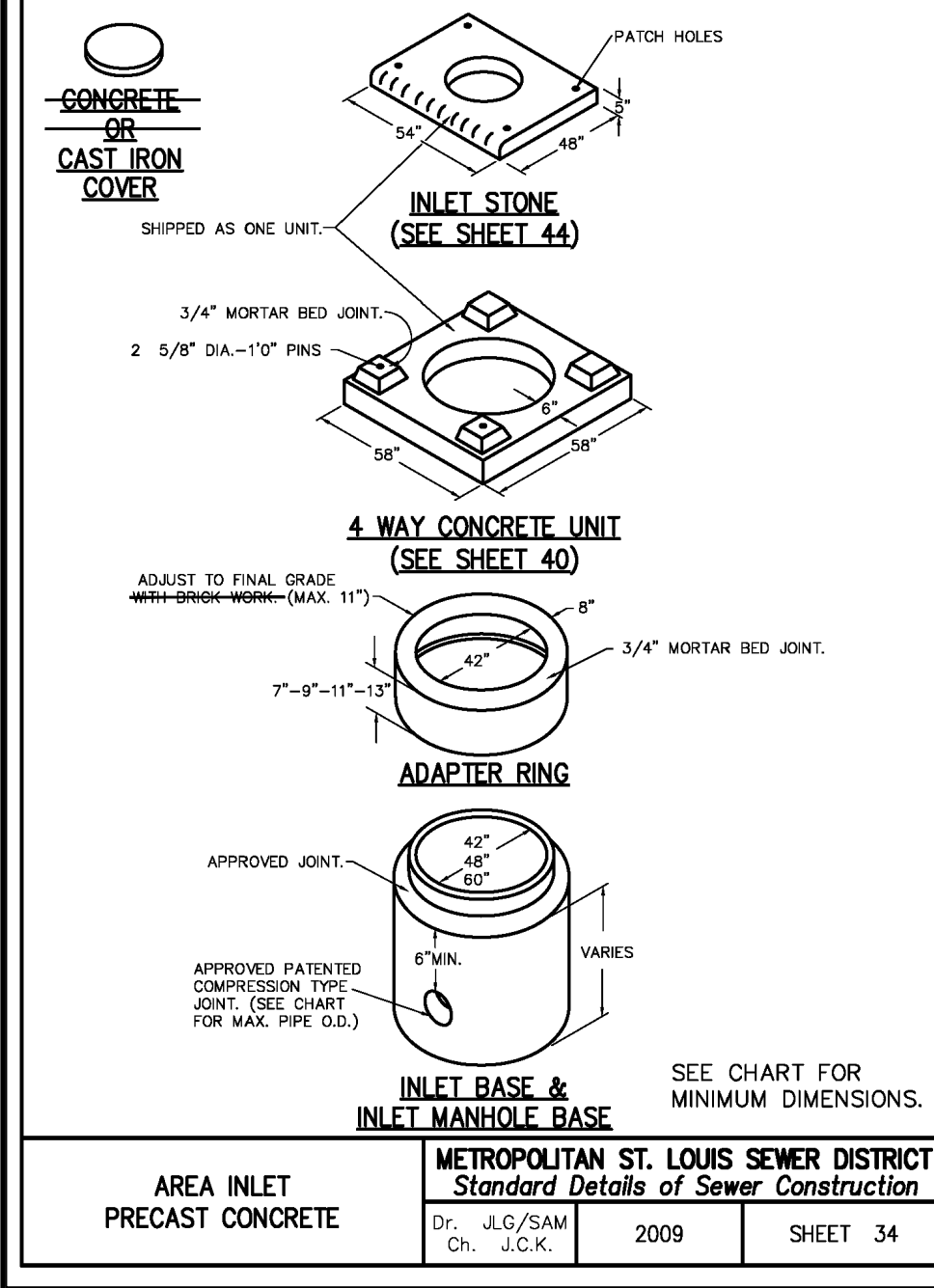
TERMINAL MANHOLE  
 Dr. WSH/SAM Ch. J.C.K. 2009 SHEET 20



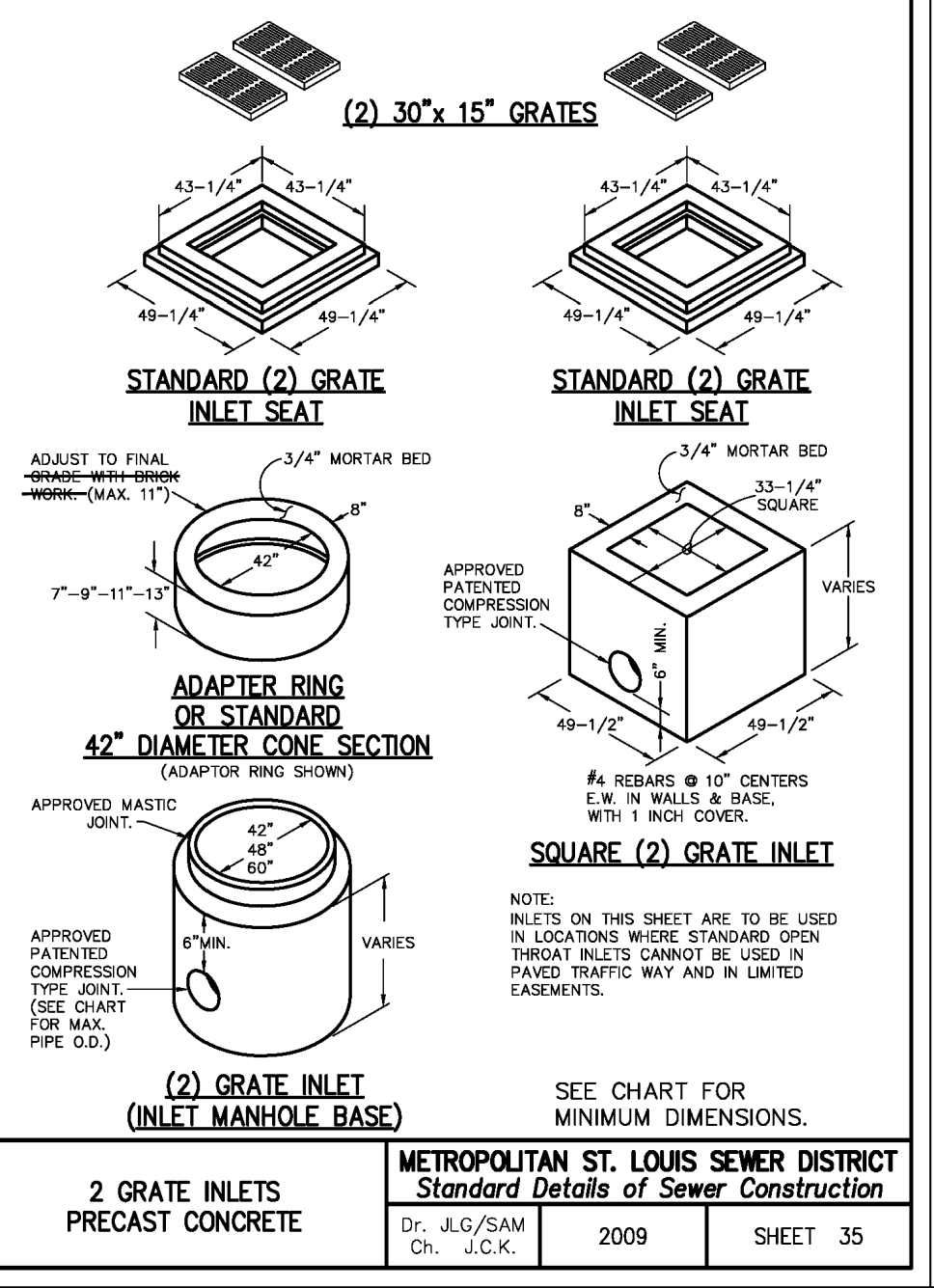
MANHOLE STEP FOR PRECAST & CAST-IN-PLACE MANHOLE  
 Dr. D.A.B. Ch. J.C.K. 2009 SHEET 58



NYLOPLAST INLINE DRAIN WITH DOME GRATE  
 Dr. WSH/SAM Ch. J.C.K. 2009 SHEET 59



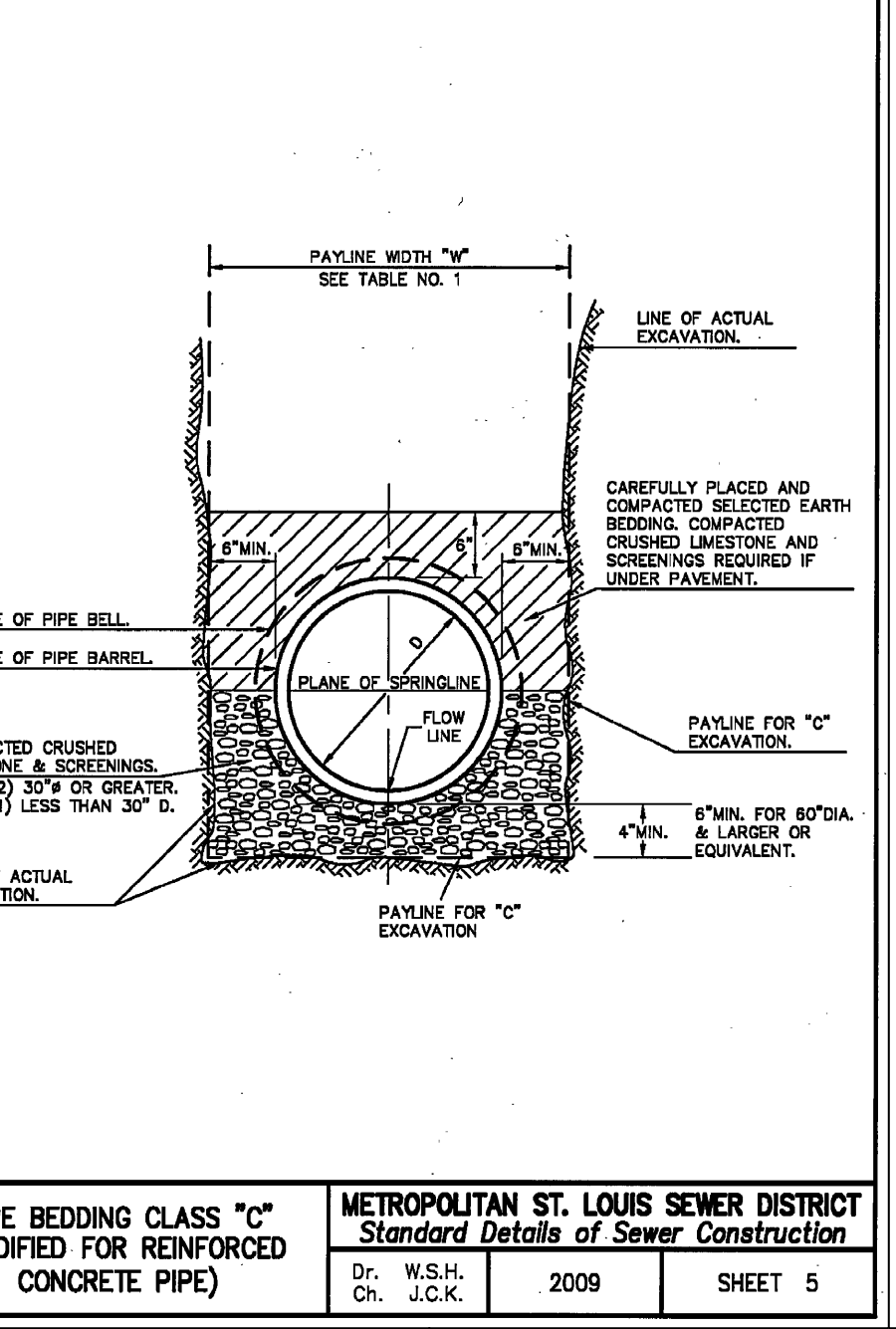
AREA INLET PRECAST CONCRETE  
 Dr. J.G./SAM Ch. J.C.K. 2009 SHEET 34



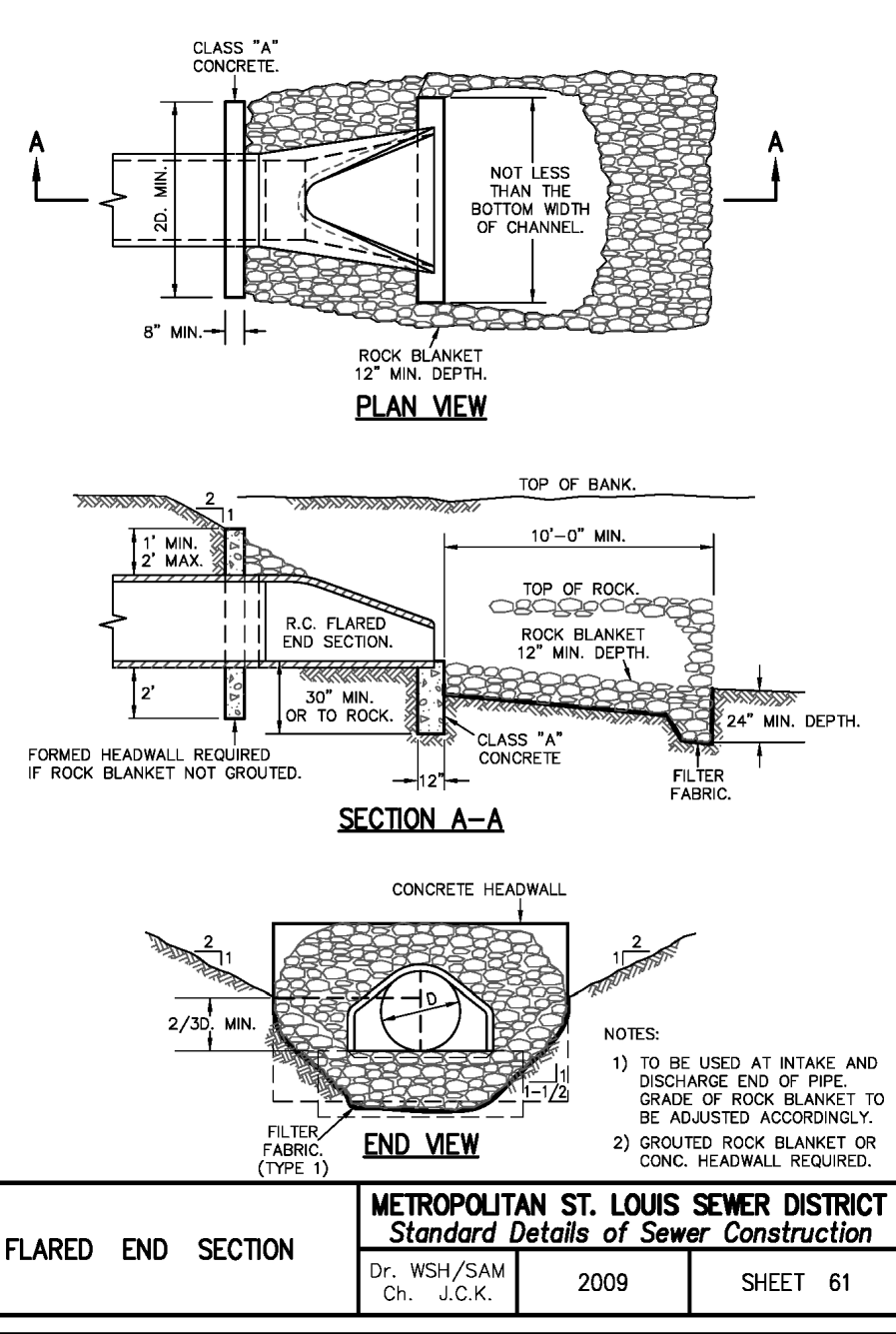
2 GRATE INLETS PRECAST CONCRETE  
 Dr. J.G./SAM Ch. J.C.K. 2009 SHEET 35

INSIDE DIAMETER OF PIPE (INCHES)	ROUND PIPE			HORIZONTAL ELLIPTICAL PIPE		
	PAYLINE WIDTH OF TRENCH (INCHES)	PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CONCRETE ENGAGEMENT (CU. FT. PER FT.)	INSIDE DIMENSIONS OF PIPE (INCHES)	PAYLINE WIDTH OF TRENCH (INCHES)	PAY-VOLUMES CONCRETE ENGAGEMENT (CU. FT. PER FT.)
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	6.81			
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
D I S C O N T I N U E D						
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	7.57 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 98	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	108 x 166	202	16.83 64.48
144	182	15.17	72.40	116 x 180	218	18.17 73.59

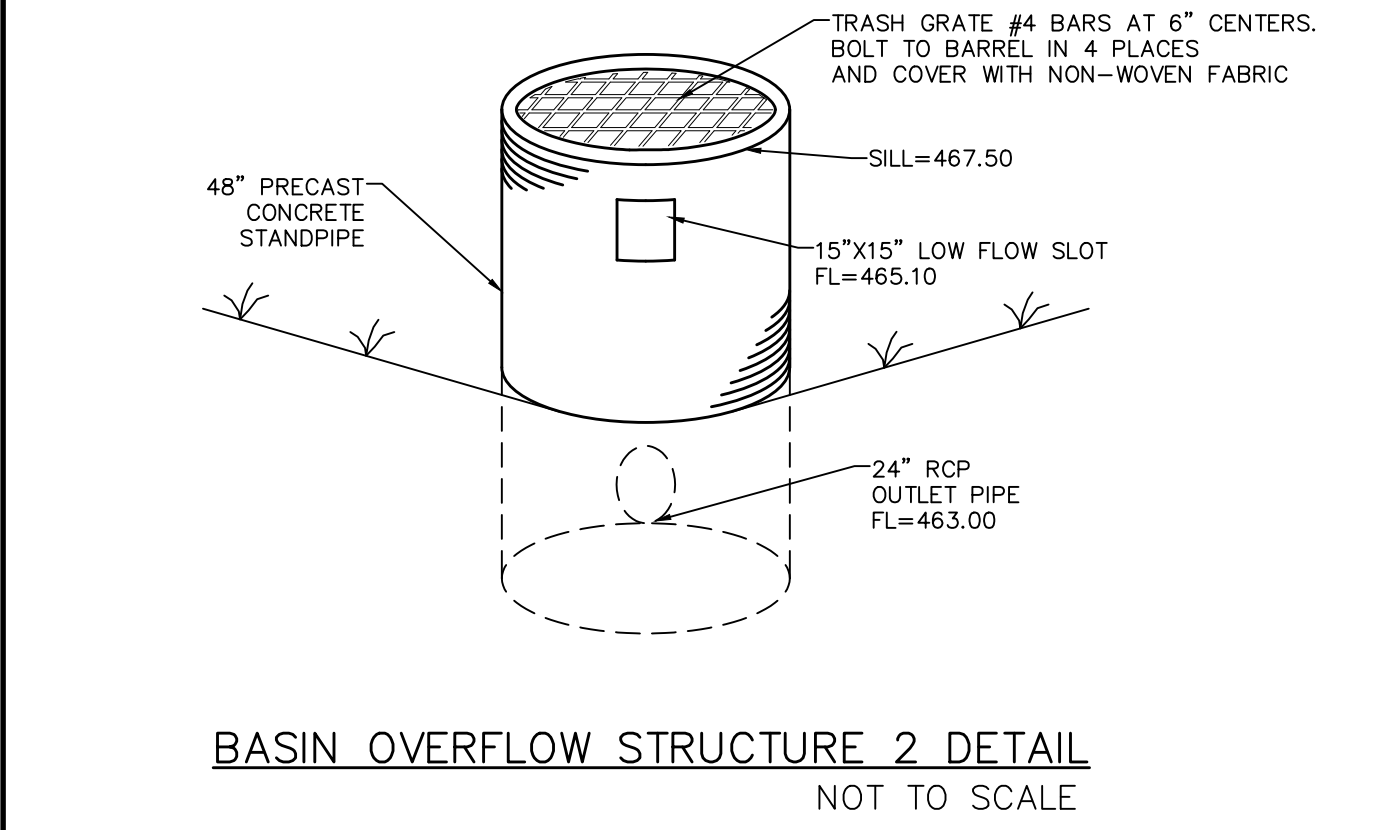
TABLE 1 PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE  
 Dr. B.E.B. Ch. J.C.K. 2009 SHEET 1



PIPE BEDDING CLASS "C" (MODIFIED FOR REINFORCED CONCRETE PIPE)  
 Dr. W.S.H. Ch. J.C.K. 2009 SHEET 5



FLARED END SECTION  
 Dr. WSH/SAM Ch. J.C.K. 2009 SHEET 61



BASIN OVERFLOW STRUCTURE 2 DETAIL NOT TO SCALE

FUTURE NORMAL CONDITION: 2 YEAR 20 MINUTE HIGHWATER = 466.21  
 FUTURE NORMAL CONDITION: 15 YEAR 20 MINUTE HIGHWATER = 466.67  
 FUTURE NORMAL CONDITION: 25 YEAR 20 MINUTE HIGHWATER = 466.92  
 FUTURE NORMAL CONDITION: 100 YEAR 20 MINUTE HIGHWATER = 467.16  
 FUTURE NORMAL CONDITION: 100 YEAR 20 MINUTE HIGHWATER = 468.48  
 FUTURE FLOODED CONDITION: 2 YEAR 20 MINUTE HIGHWATER = 466.34  
 FUTURE FLOODED CONDITION: 15 YEAR 20 MINUTE HIGHWATER = 466.88  
 FUTURE FLOODED CONDITION: 25 YEAR 20 MINUTE HIGHWATER = 467.16  
 FUTURE FLOODED CONDITION: 100 YEAR 20 MINUTE HIGHWATER = 467.44  
 FUTURE FLOODED CONDITION: 100 YEAR 20 MINUTE HIGHWATER = 469.36

PROJECT TITLE:  
 Anjon Manufacturing  
 South Cool Springs Road

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

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 I hereby specify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

CLIFFORD L. HEITMANN  
 CIVIL ENGINEER  
 E29817  
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REVISIONS

06-09-22	CITY COMMENTS
06-27-22	CITY COMMENTS
07-06-22	CITY COMMENTS
08-23-22	CITY COMMENTS
09-16-22	CITY COMMENTS
11-22-22	CLIENT REVISIONS
12-01-22	CITY COMMENTS
01-25-23	CLIENT REVISIONS

Owner:  
 Lottes Springs, LLC  
 1000 Liberty Industrial Drive  
 O'Fallon, MO 63366  
 800-553-5605

P+Z No. #21-011066  
 Approval Date: 02-07-22  
 City No.  
 Page No.  
 C13

Box Project # 99-106393 Issue Date: 04/01/2022

DETAILS