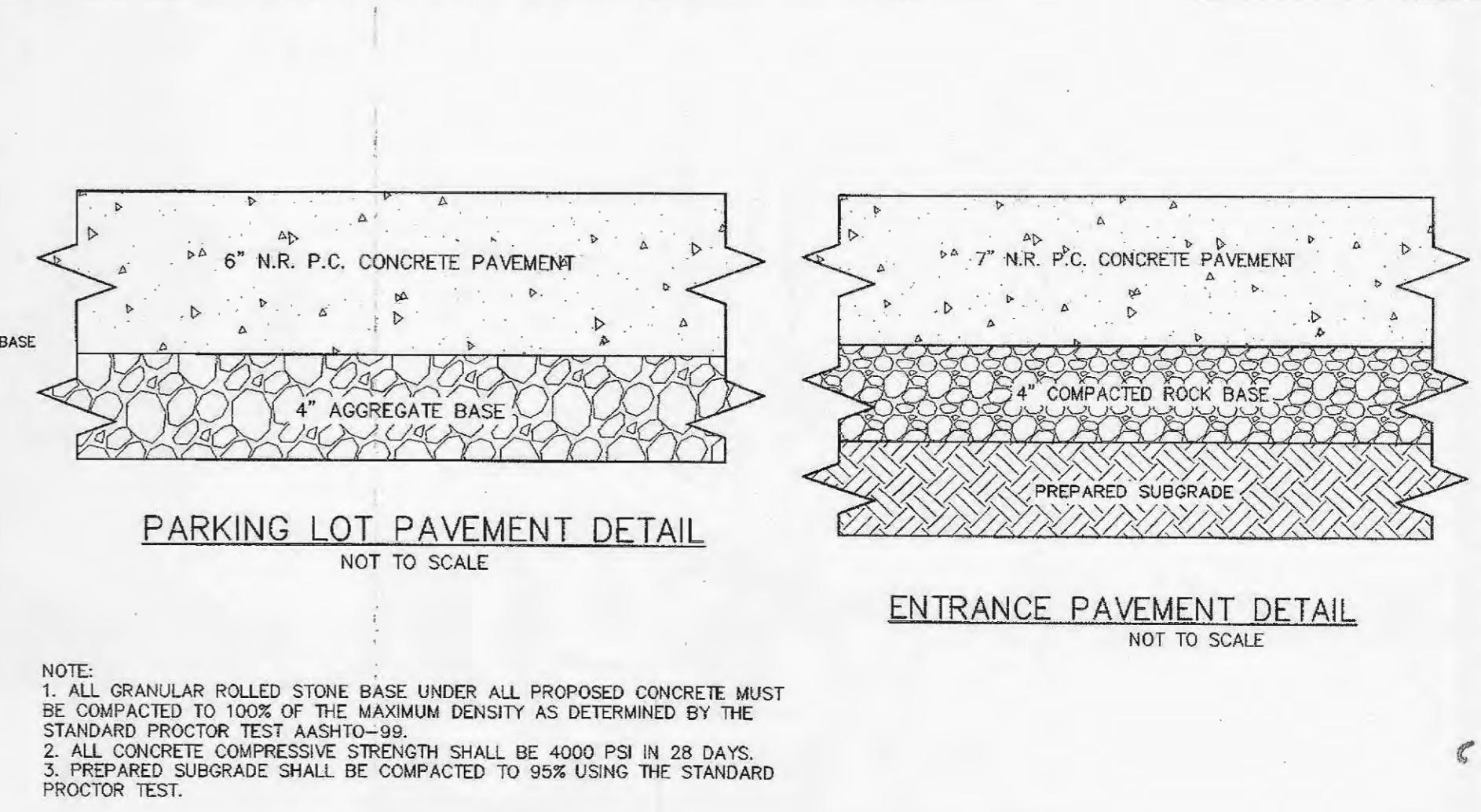
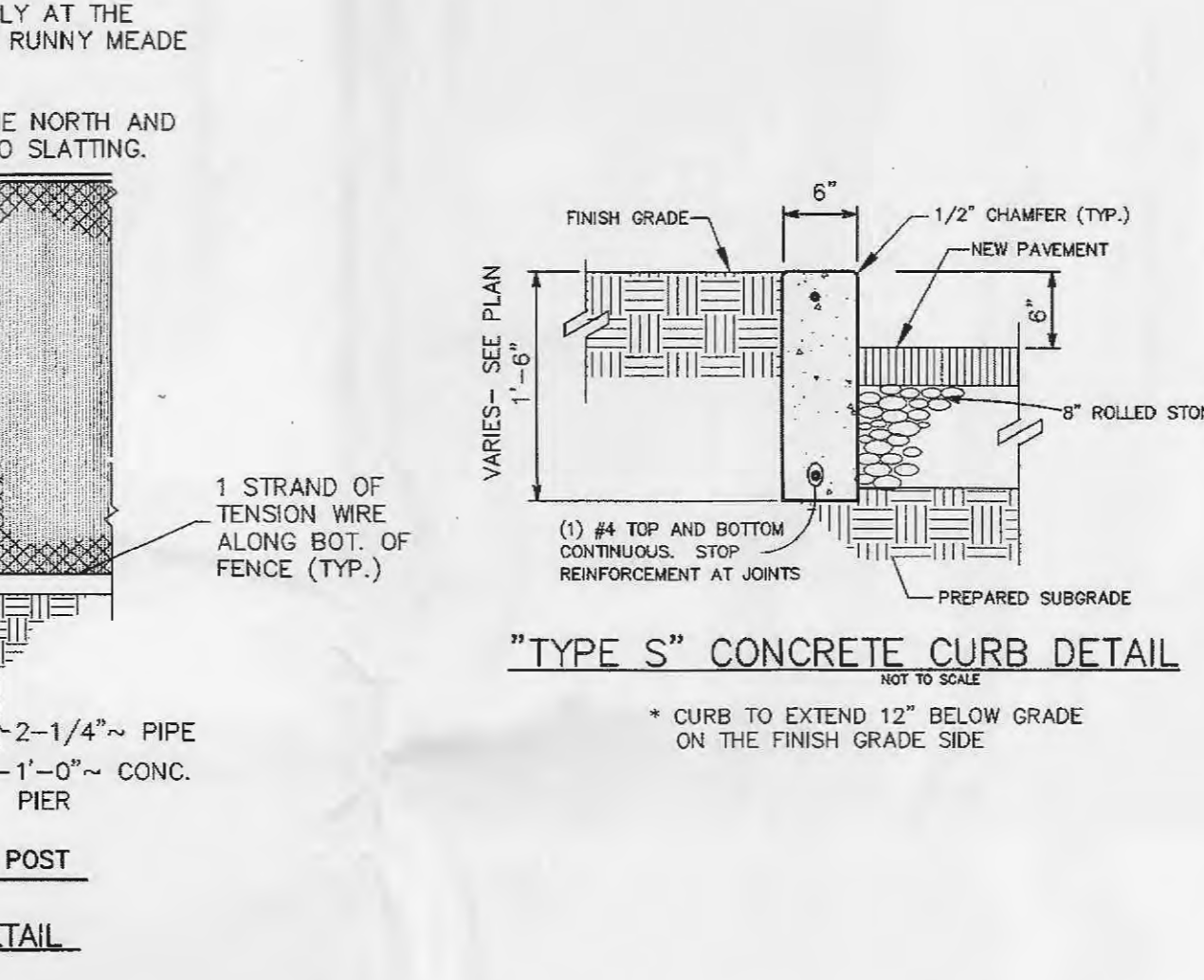
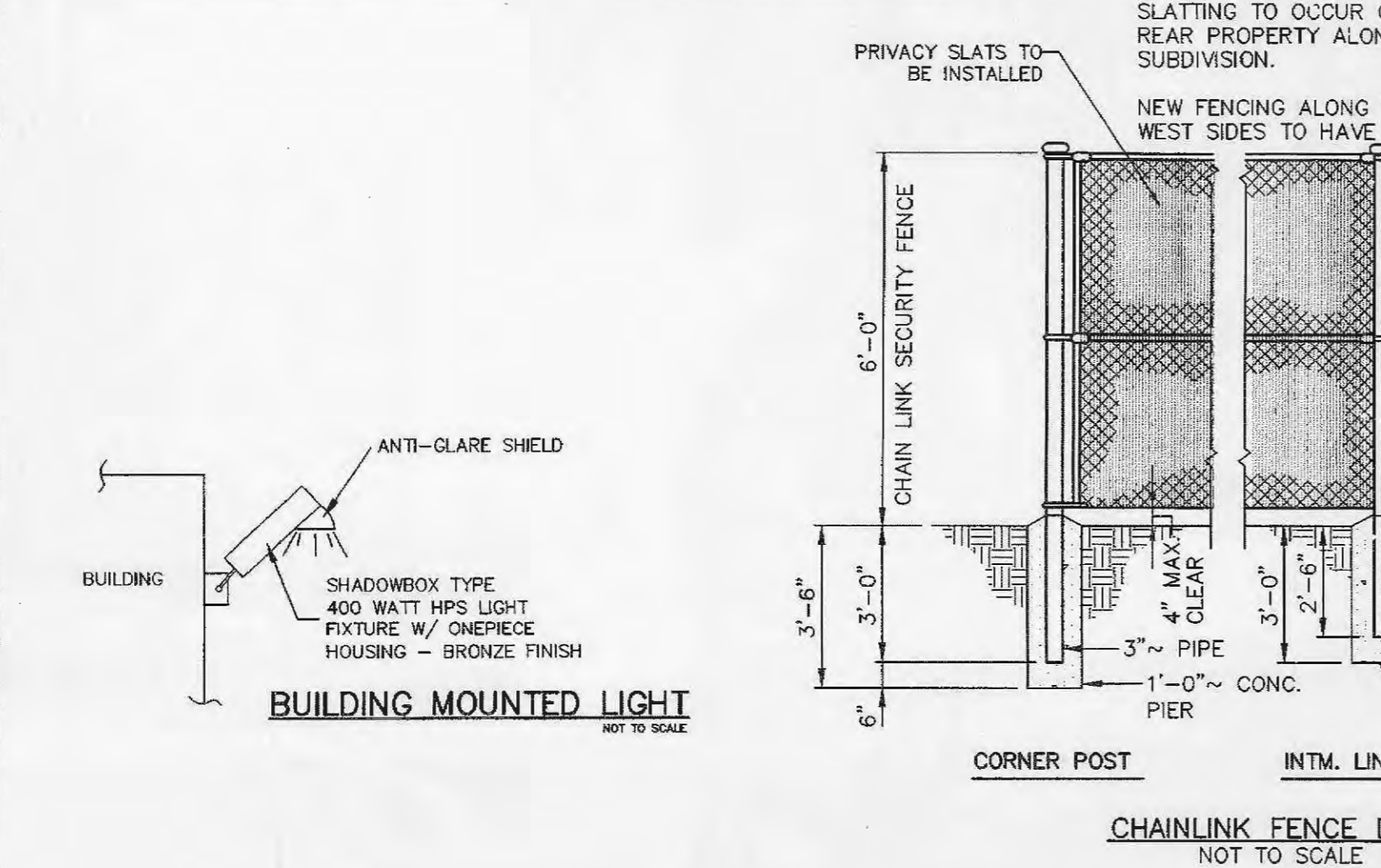
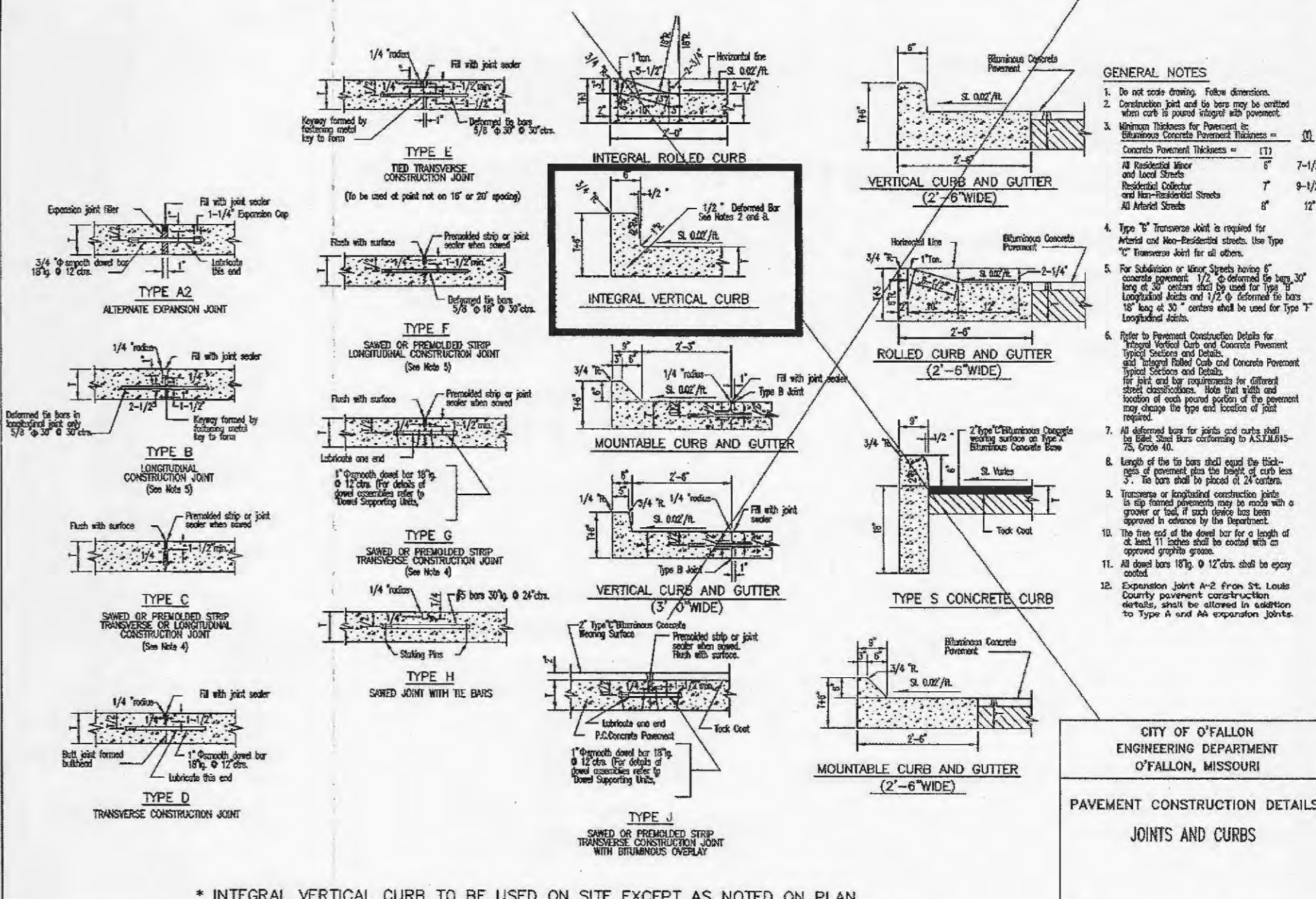
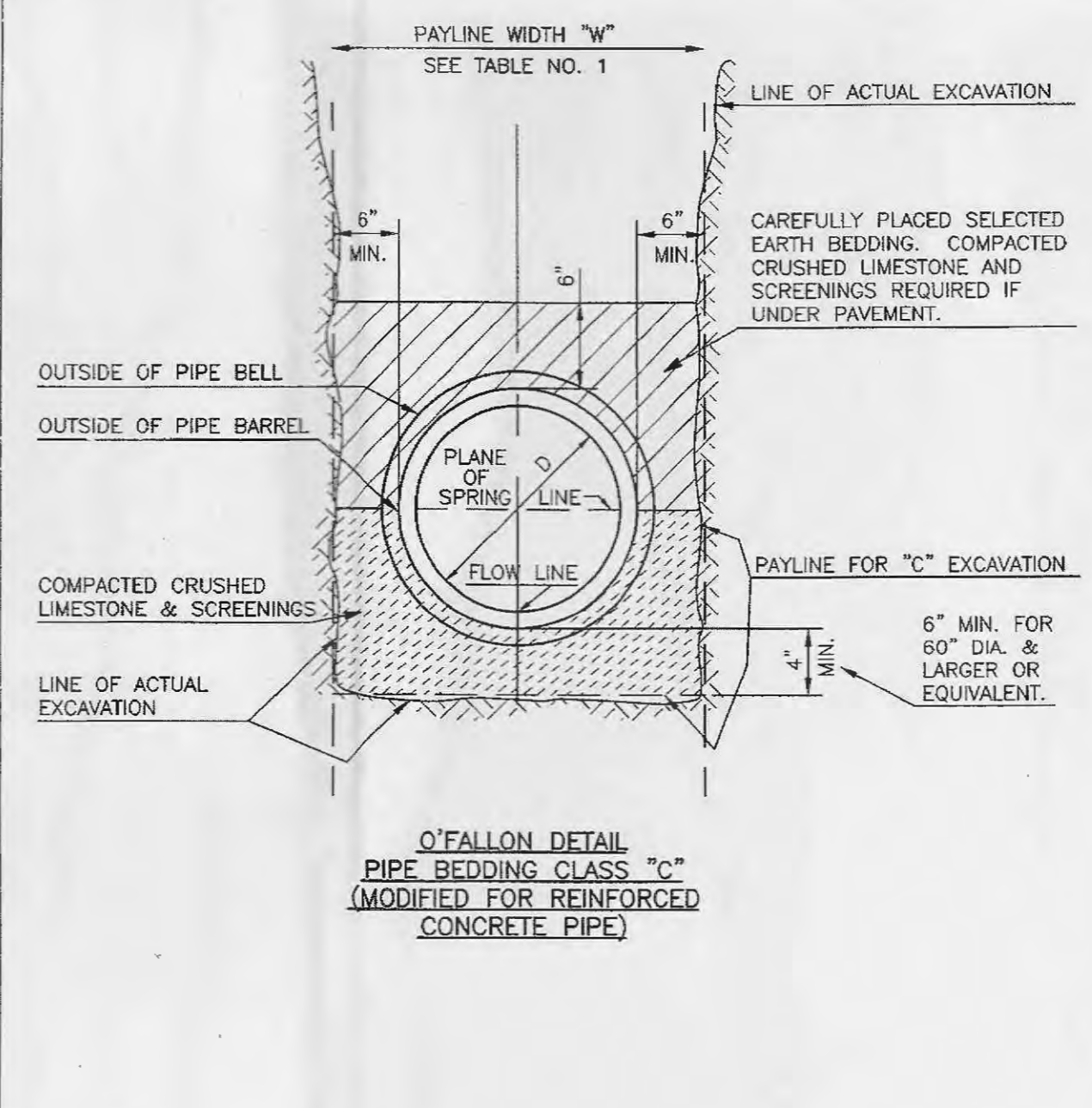
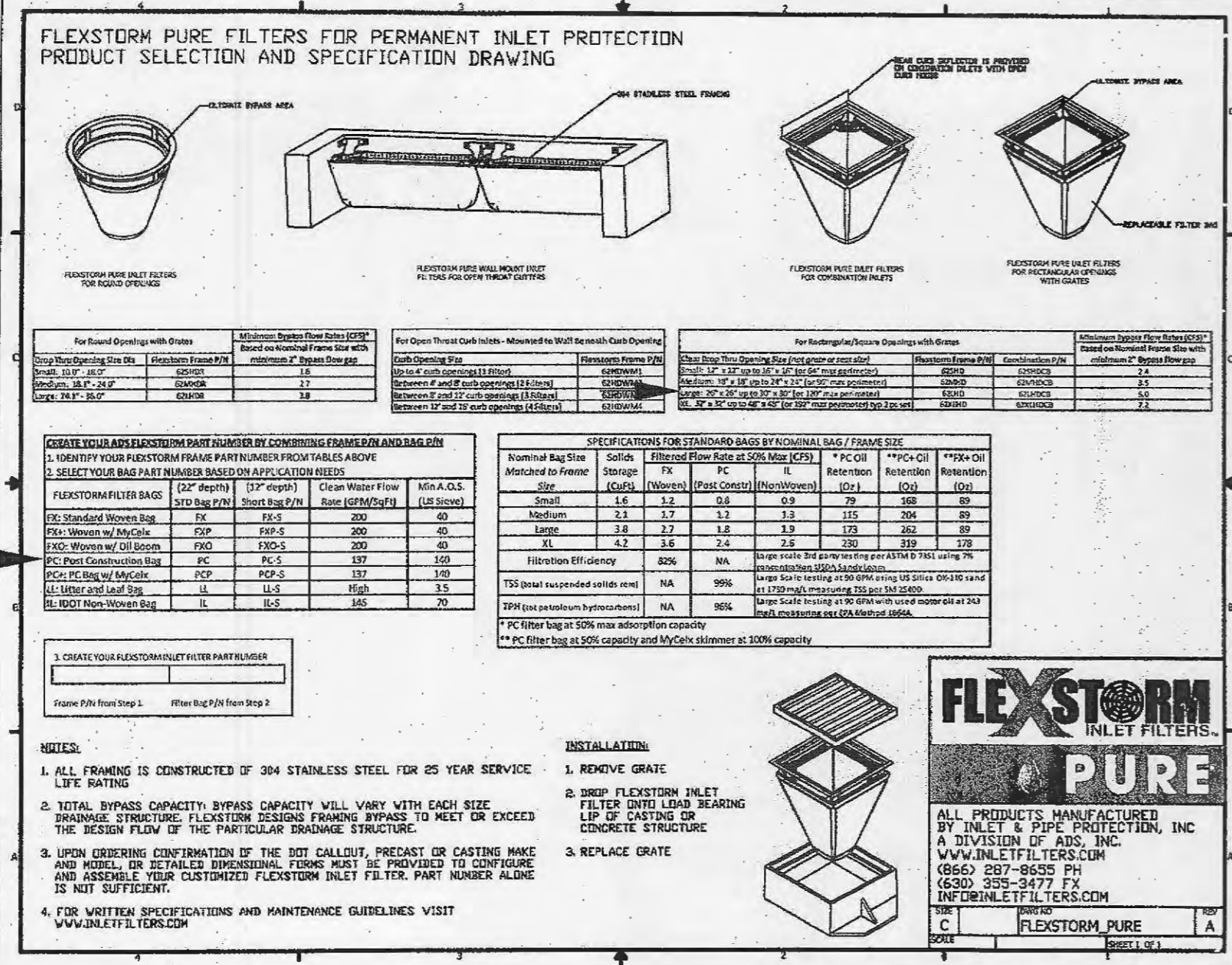
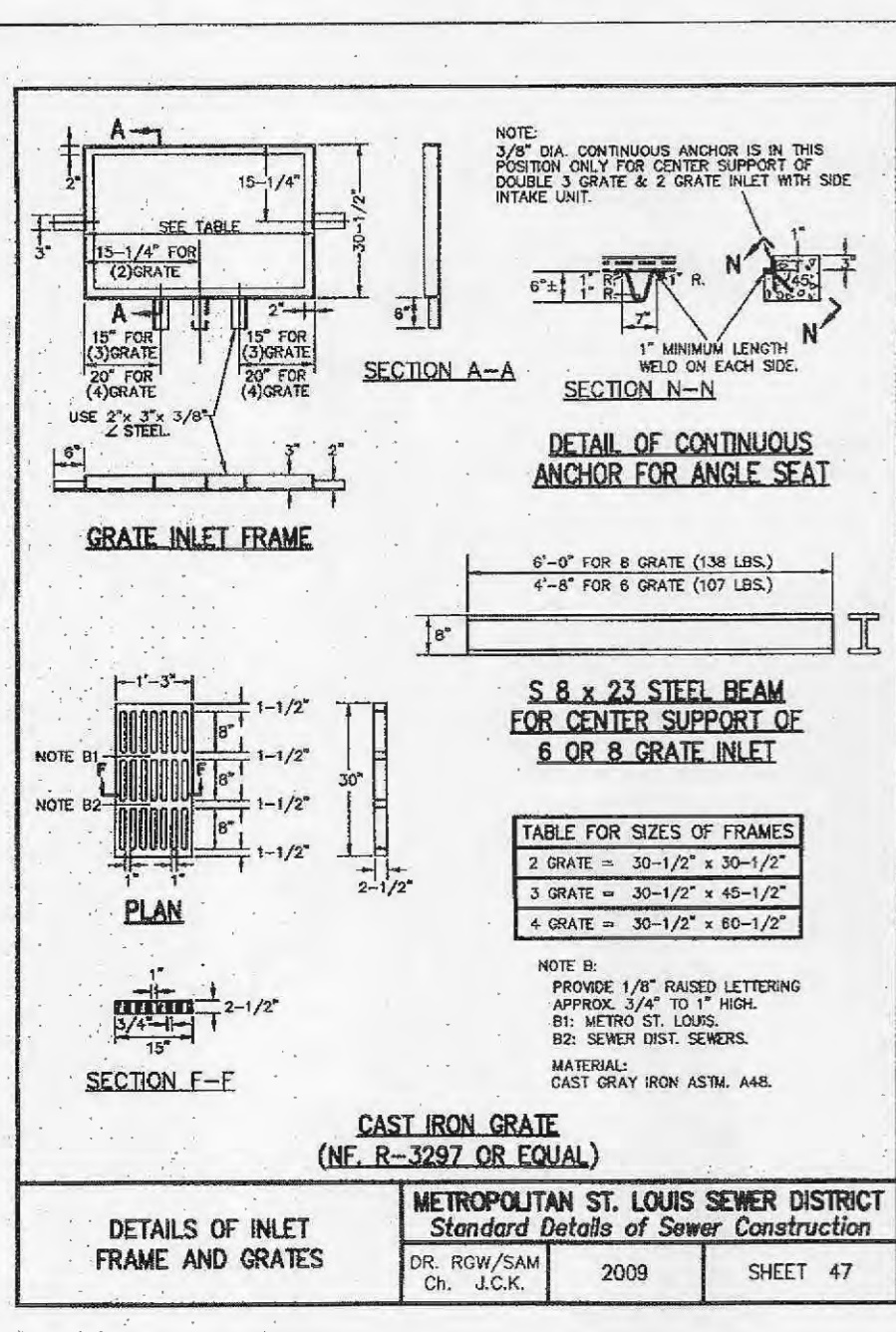
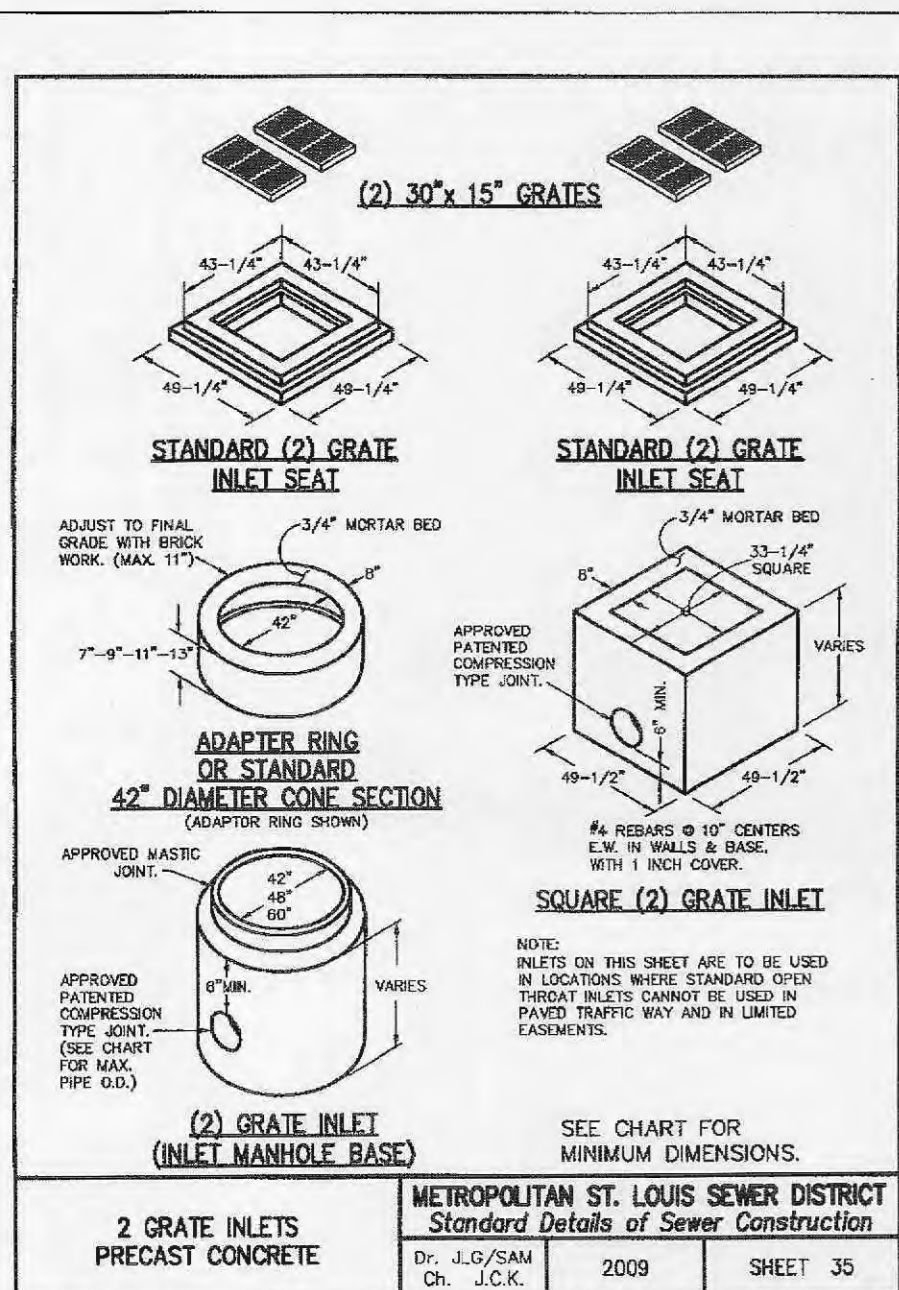
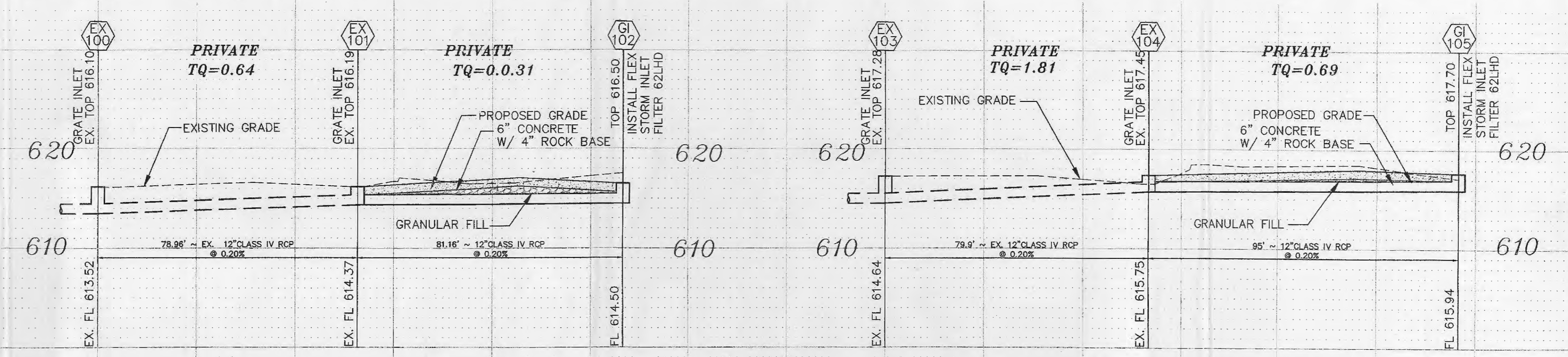


ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" TRENCH WIDTH (INCHES)	"H" PAYLINE WIDTH (INCHES)	PAY-LINES PER FT. PER FT. OF TRENCH	INSIDE DIMENSIONS OF PIPE (INCHES)	"W" TRENCH WIDTH (INCHES)	"H" PAYLINE WIDTH (INCHES)	PAY-LINES PER FT. PER FT. OF TRENCH
4	30	2.50	3.98				
6	30	2.50	3.59				
8	30	2.50	3.07				
10	30	2.50	4.00				
12	30	2.50	4.25				
15	36	3.00	5.50				
18	36	3.00	5.77	14 x 23	41	3.42	5.94
21	36	3.25	6.61				
24	42	3.50	7.29	18 x 30	49	4.08	7.68
27	42	3.75	8.18	22 x 34	53	4.42	8.61
30	49	4.08	9.30	24 x 38	60	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				30 x 49	71	5.92	13.14
42	63	5.25	13.38	34 x 53	75	6.25	14.28
48	70	5.83	15.87	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	108	9.08	24.35
72	98	8.17	26.37	58 x 91	116	9.85	27.45
78	105	8.75	29.30	63 x 98	126	10.59	30.50
84	112	9.33	32.57	68 x 106	135	11.25	33.91
90	119	9.92	35.00	72 x 113	143	11.92	36.99
96	126	10.50	36.37	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 166	202	16.83	64.49
144	180	15.17	72.40	116 x 180	216	18.67	74.00



ENGINEER'S SEAL DOES NOT APPLY TO MSD, O'FALLON, AND FLEXSTORM DETAILS ON THIS SHEET



PROJECT NAME : SAFELOCK STORAGE
 BAX PROJECT NO. : 05-11368A
 DESIGN DATE : 8-19-15
 FILENAME: 11368A

UPP STR	LOW STR	L DIA	FL LN	UPPER FL LN	LOWER FL LN	PS	UPPER ST EL	DEPTH HY GR	UPPER HY EL	LOWER HY EL	HYDR GRADE	FR HEAD	VEL	HEAD LOSS	JUNC LOSS	TURN LOSS	CURVE LOSS	STR GRADE	INL CAP	DR AREA	PI	Q	TO	PIPE CAP	LINE NUMBER	REMARKS
G102	EX101	81	12	614.50	614.37	0.16	616.50	1.12	615.38	615.37		0.0010	0.01	0.39	0.00	0.00	0.00	0.00	0.08	3.85	0.31	0.31	1.43	1	HW=614.52	
EX101	EX100	79	12	614.37	613.92	0.45	616.19	1.48	614.71*	614.52		0.0070	0.06	1.21	0.02	0.02	0.00	0.00	0.18	3.55	0.64	0.95	3.70	2		
G105	EX104	95	12	615.94	615.75	0.19	617.70	0.90	616.80	616.75		0.0040	0.04	0.88	0.01	0.01	0.00	0.00	0.19	3.85	0.69	0.69	1.59	3		
EX104	EX103	80	12	615.75	614.64	1.11	617.45	1.24	616.21*	615.64		0.0280	0.21	2.50	0.08	0.08	0.00	0.00	0.29	3.85	1.12	1.61	4.20	4	HW=615.64	

* INDICATES CRITICAL DEPTH

STORM HYDRAULICS

PROJECT TITLE: Safelock Storage/O'Fallon

ENGINEERING PLANNING SURVEYING

221 Point West Blvd.
St. Charles, MO 63301
636-928-6562
FAX 636-928-1718

STATE OF MISSOURI
 I, **MARY DAVID WALKER**,
 LICENSE NO. **PE-2007020343**,
 A PROFESSIONAL ENGINEER,
 do hereby certify that I am the author of the design and drawings herein.
 2/15

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REVISIONS	DATE	BY	DESCRIPTION
6-19-15			CITY COMMENTS
6-23-15			CURB REVISION
6-29-15			CITY COMMENT

Developer / Owner: Safelock Storage 6, LLC
 860 Midpoint Drive
 O'Fallon, Missouri 63366
 314-220-3100

PROFILES + DETAILS

P+Z No. #99-12.05
 Approved 04-02-15

City No. #

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