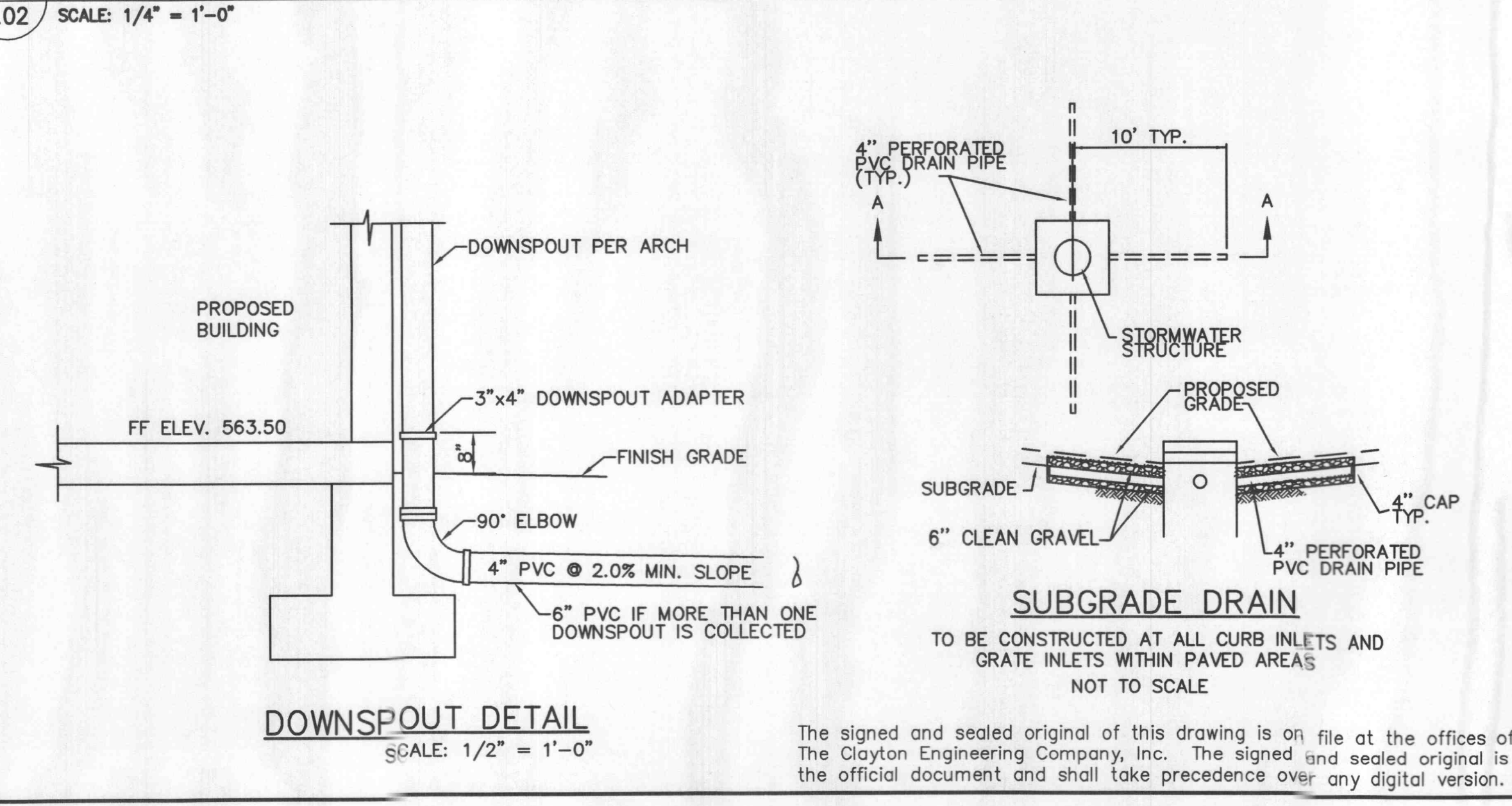
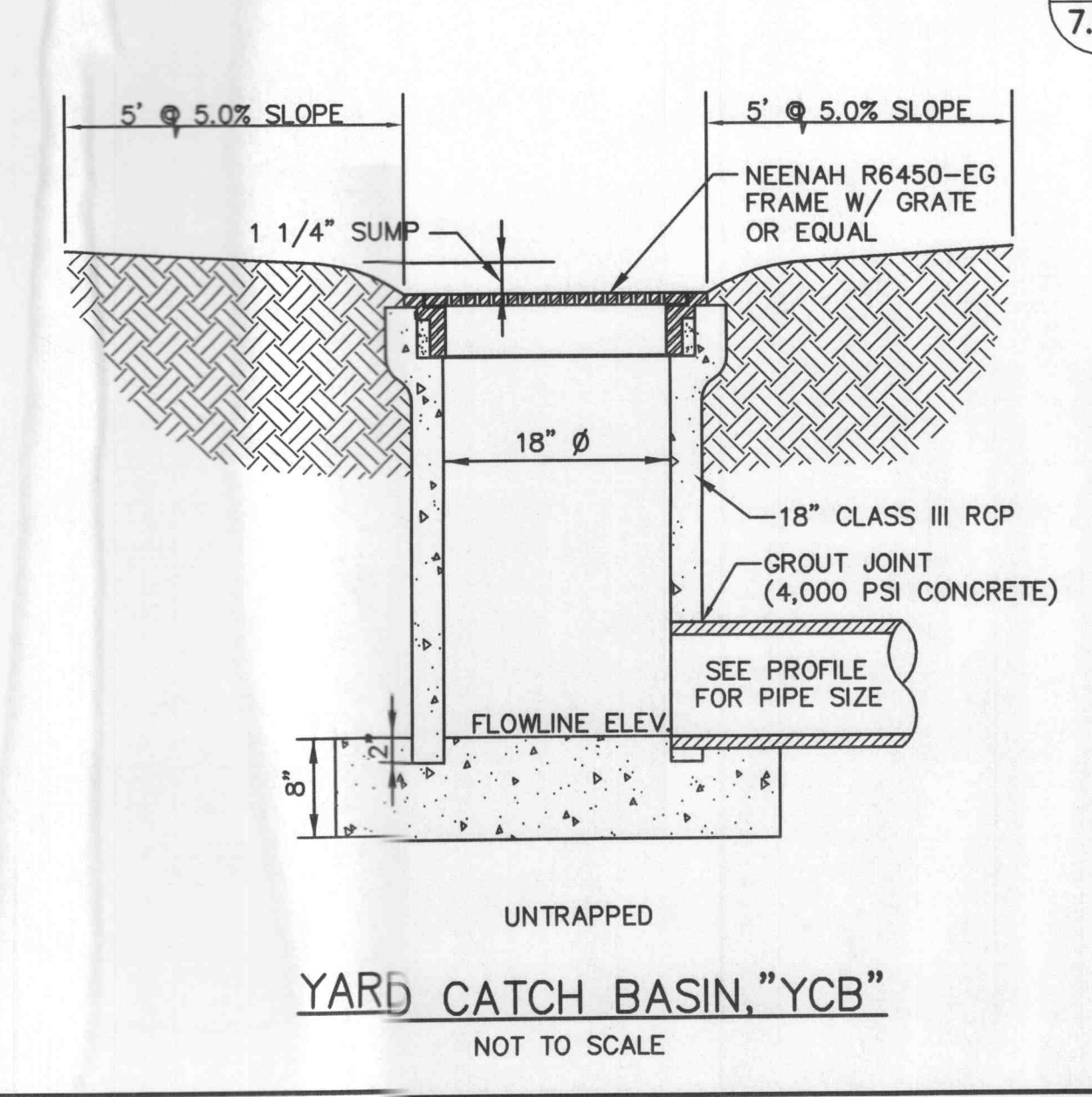
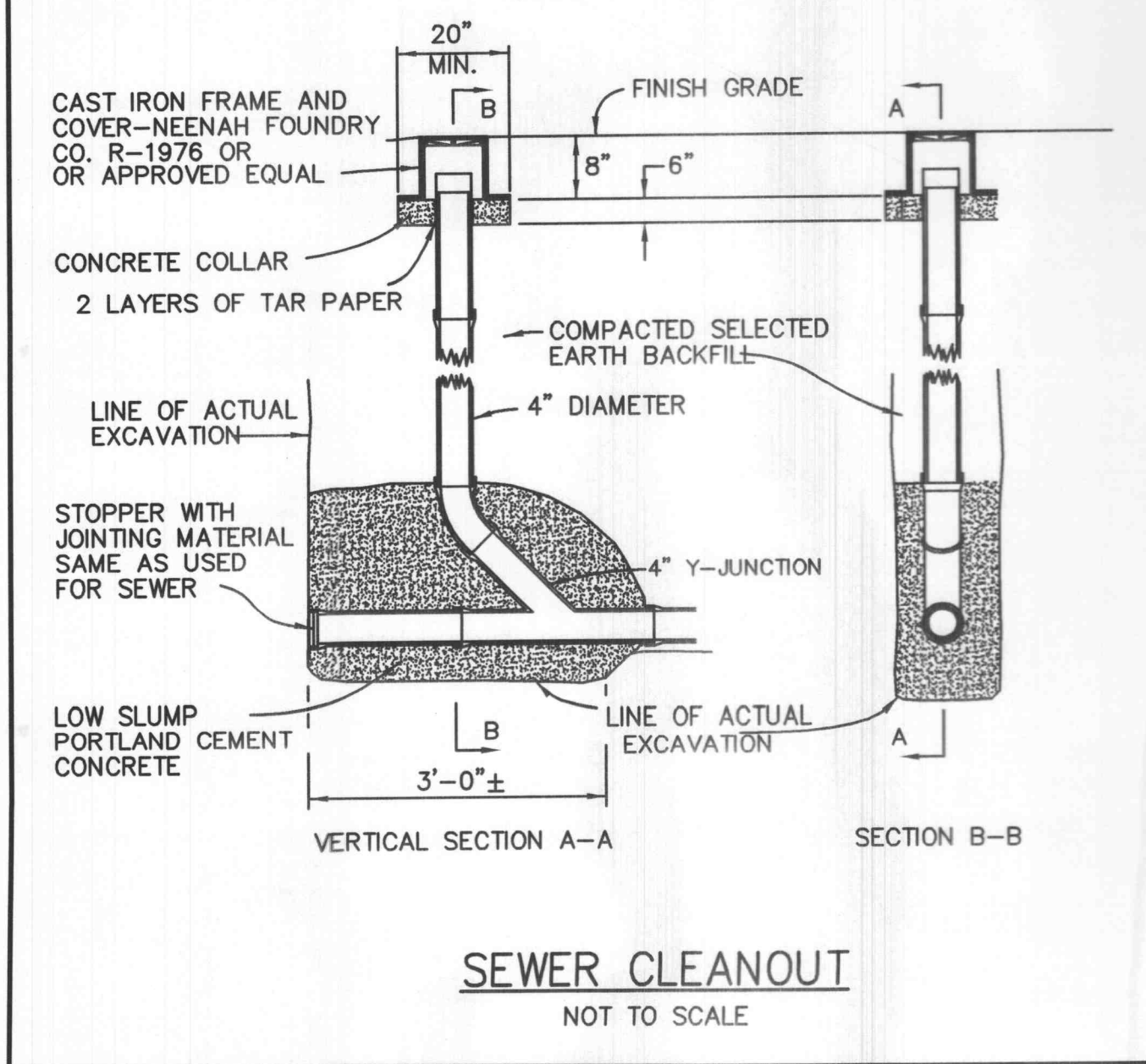
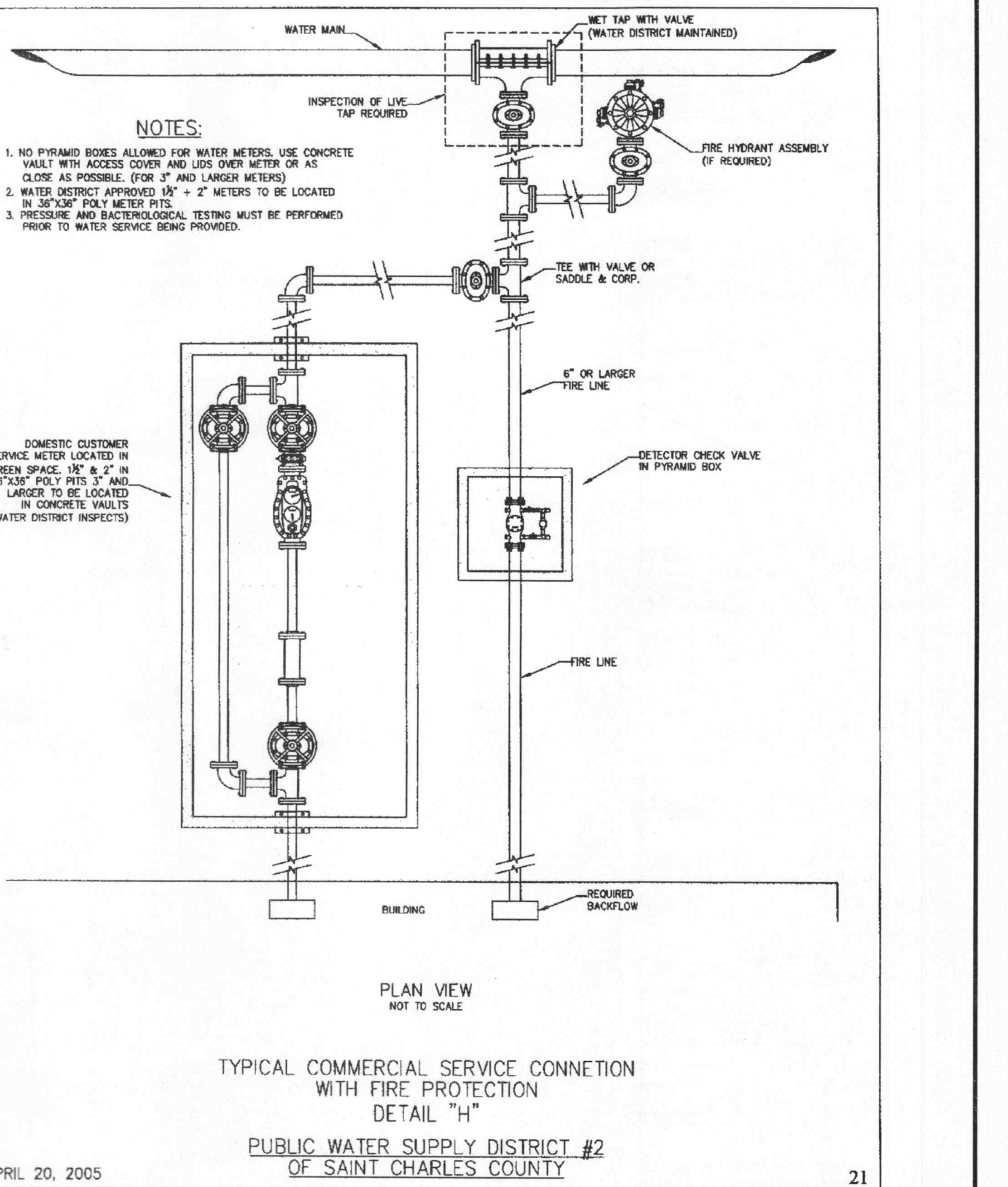
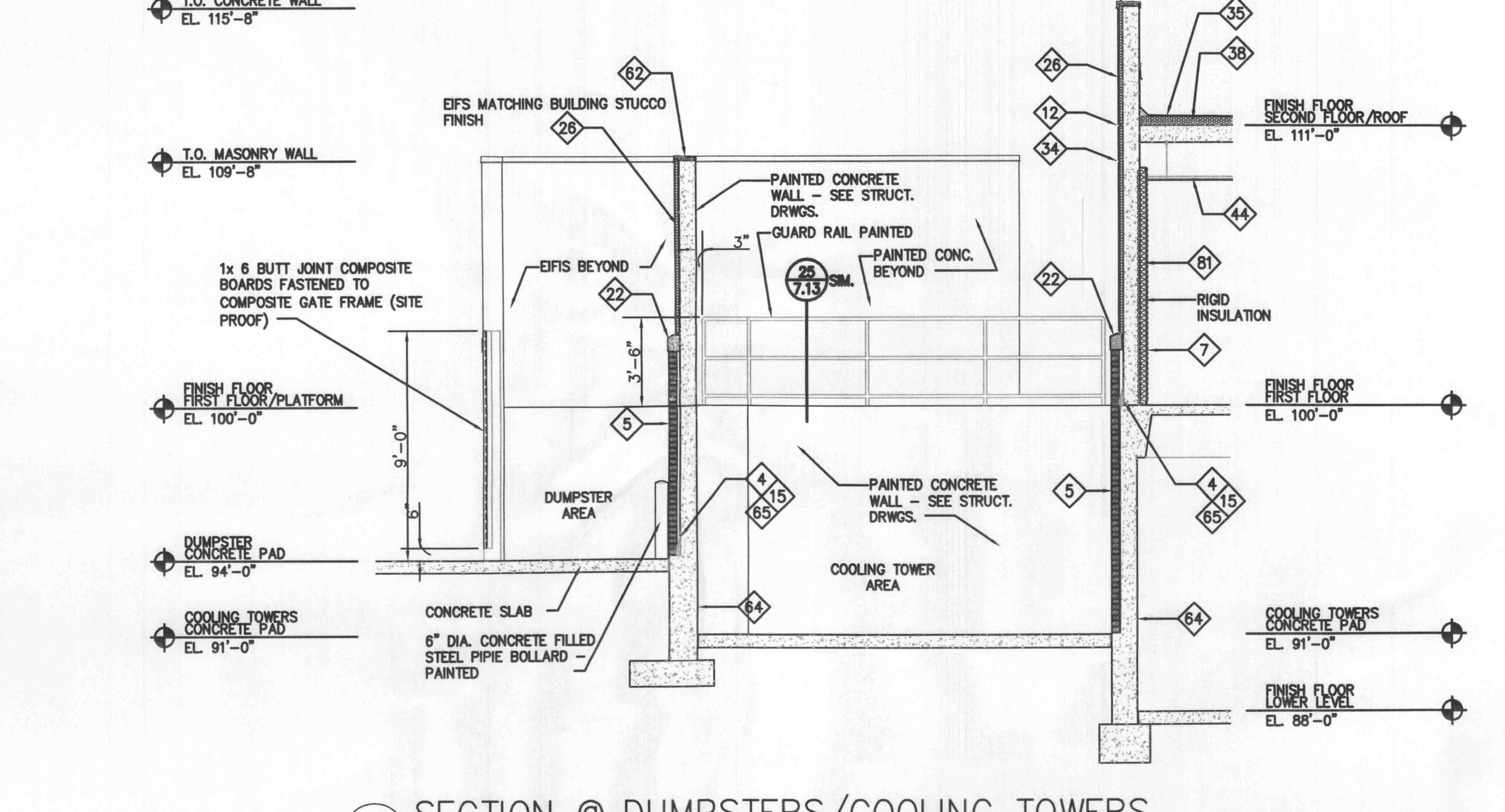
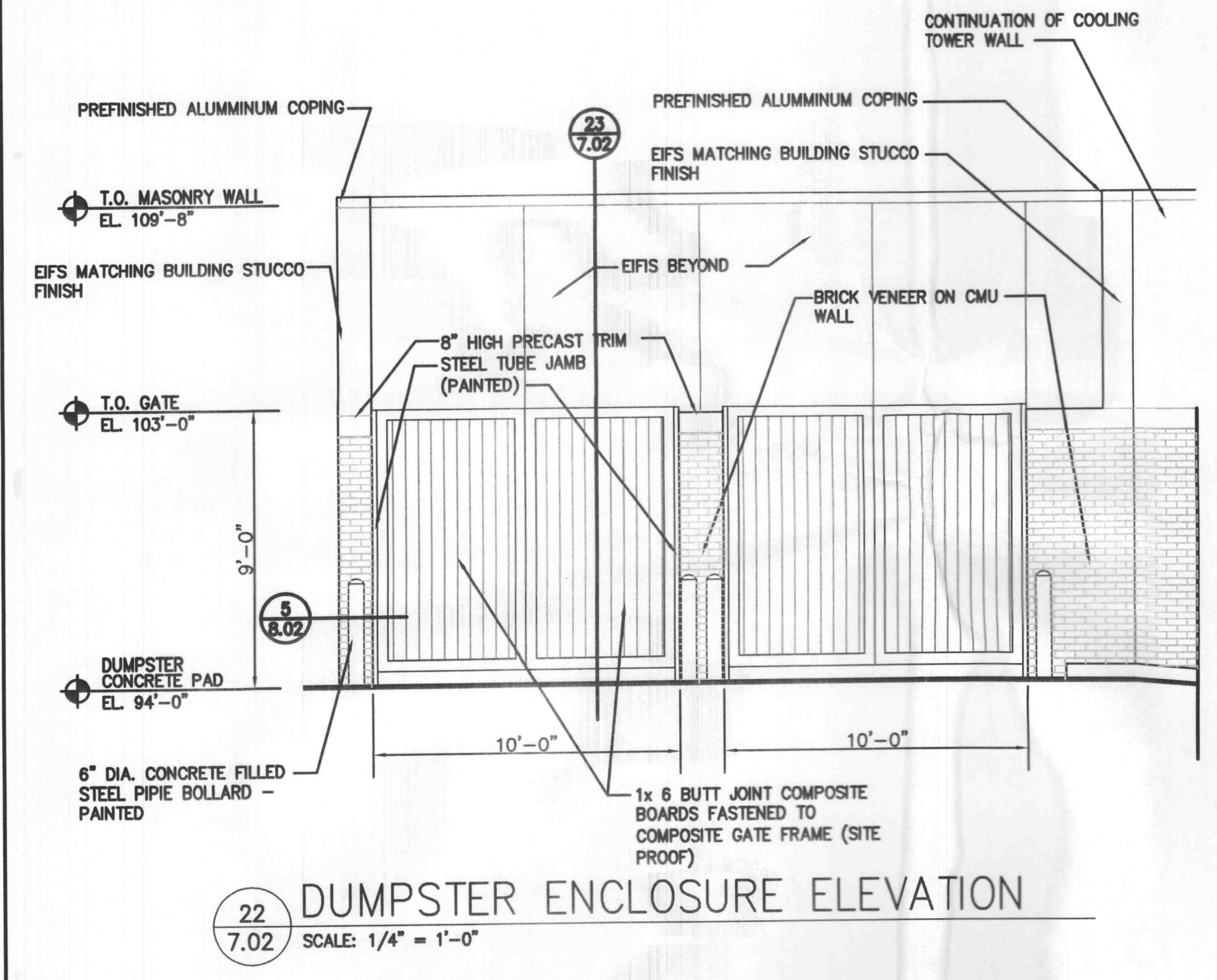
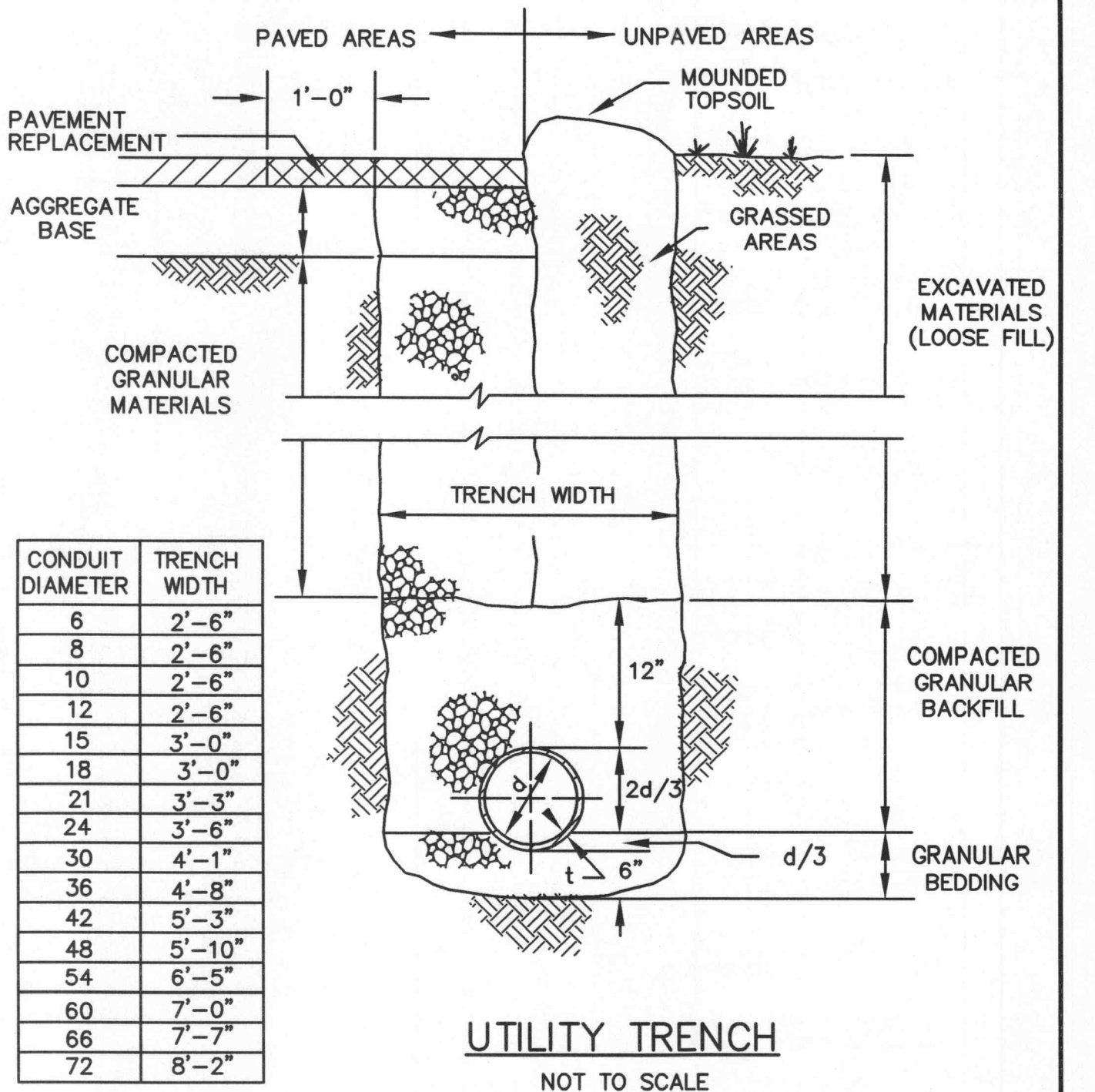


**THRUST BLOCKS**  
NOT TO SCALE

PIPE DIA.	90° BENDS		45° BENDS		22.5° BENDS		WYES & TEES	
	B	D	B	D	B	D	B	D
2"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
3"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
4"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
6"	1.4	1.0	1.0	1.0	1.0	1.0	1.6	1.0
8"	1.8	1.0	1.4	1.0	1.0	1.0	2.2	1.0
10"	2.3	1.2	1.7	1.2	1.2	1.2	2.7	1.2
12"	2.7	1.4	2.0	1.4	1.4	1.4	3.2	1.4
14"	3.2	1.5	2.4	1.5	1.7	1.5	3.8	1.5
16"	3.6	1.7	2.7	1.7	1.9	1.7	4.3	1.7



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05/07/07 BID SET

REVISIONS

**UTILITY DETAILS**  
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Checked: MJV  
Date: 05/07/07

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Sheet Number: C-12 of 18

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