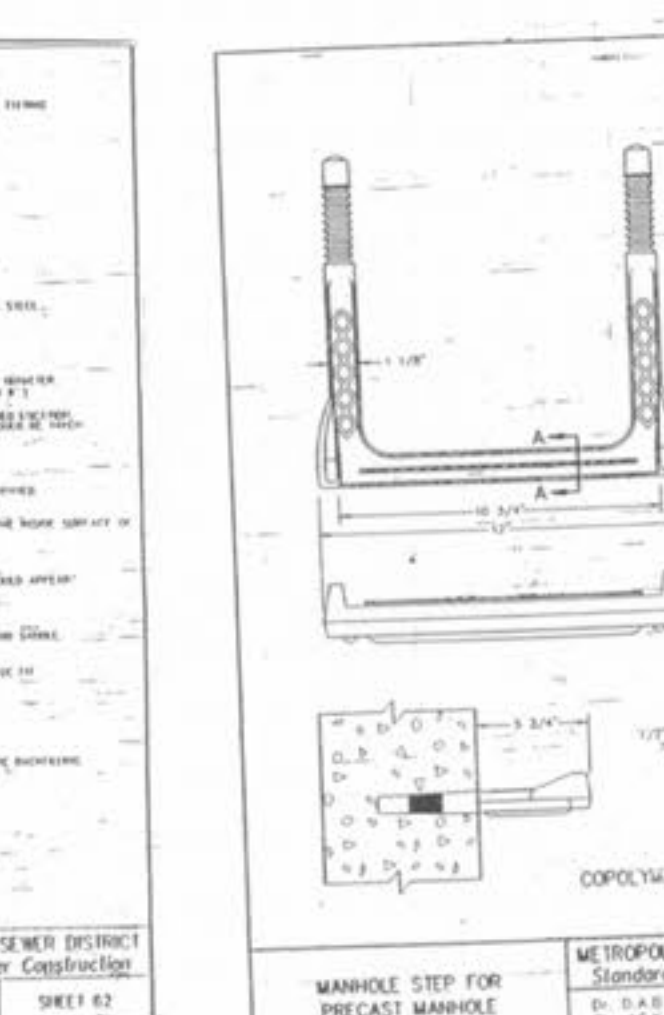
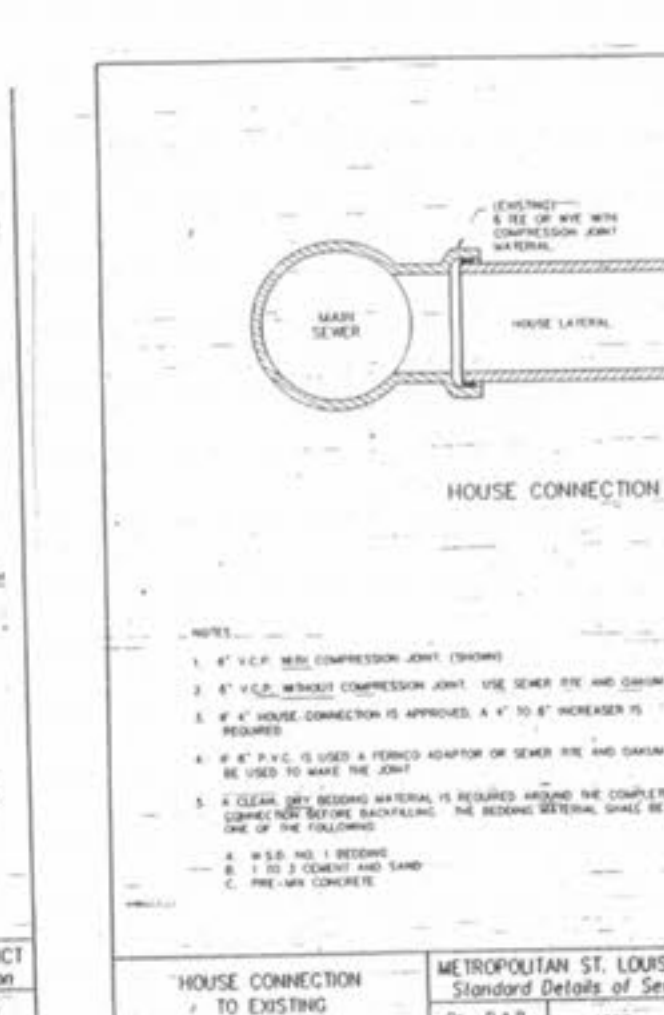
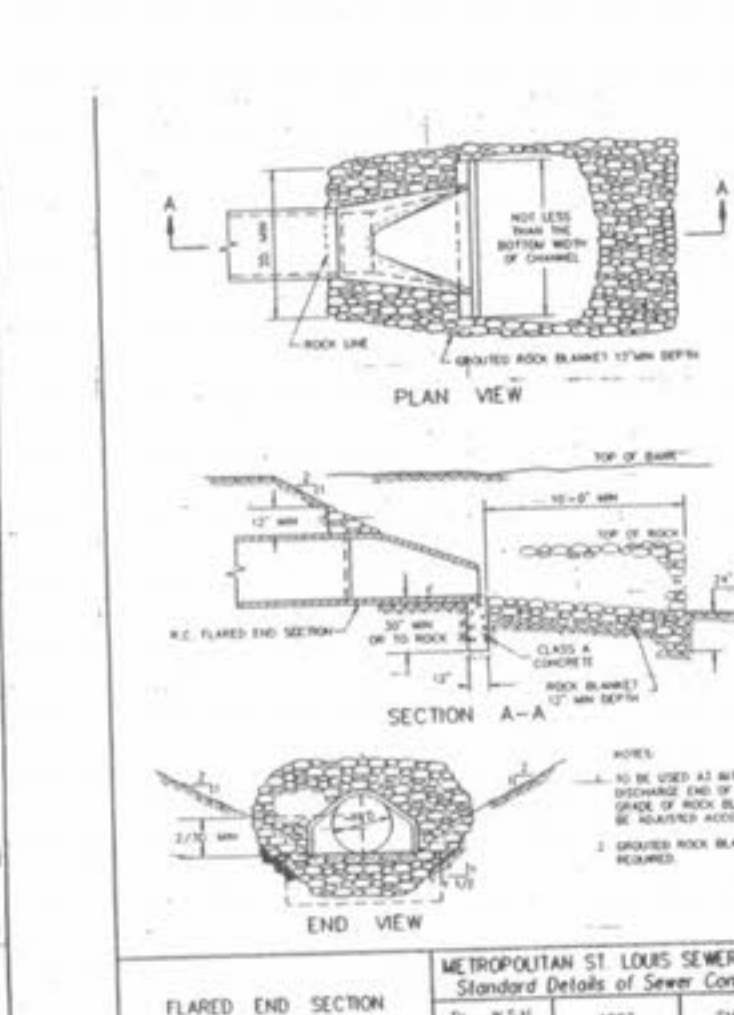
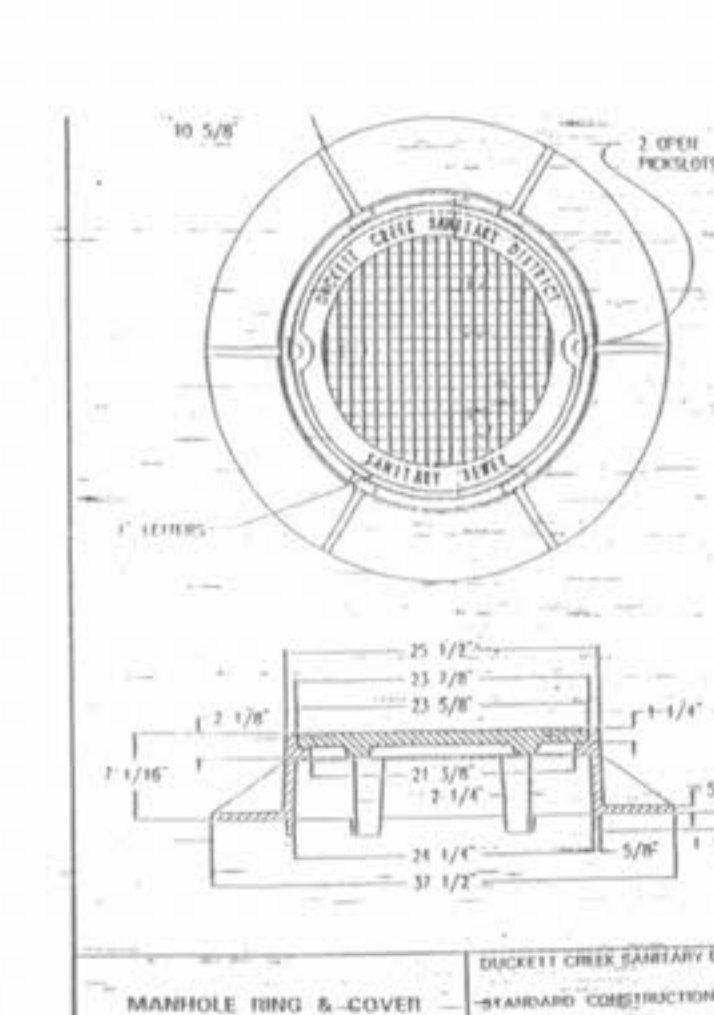
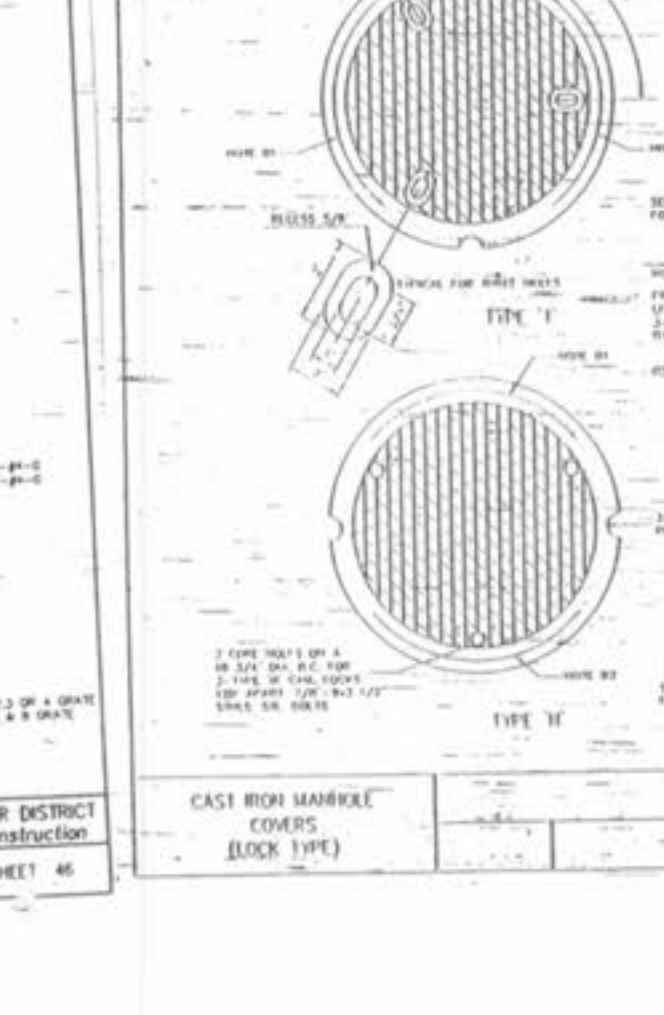
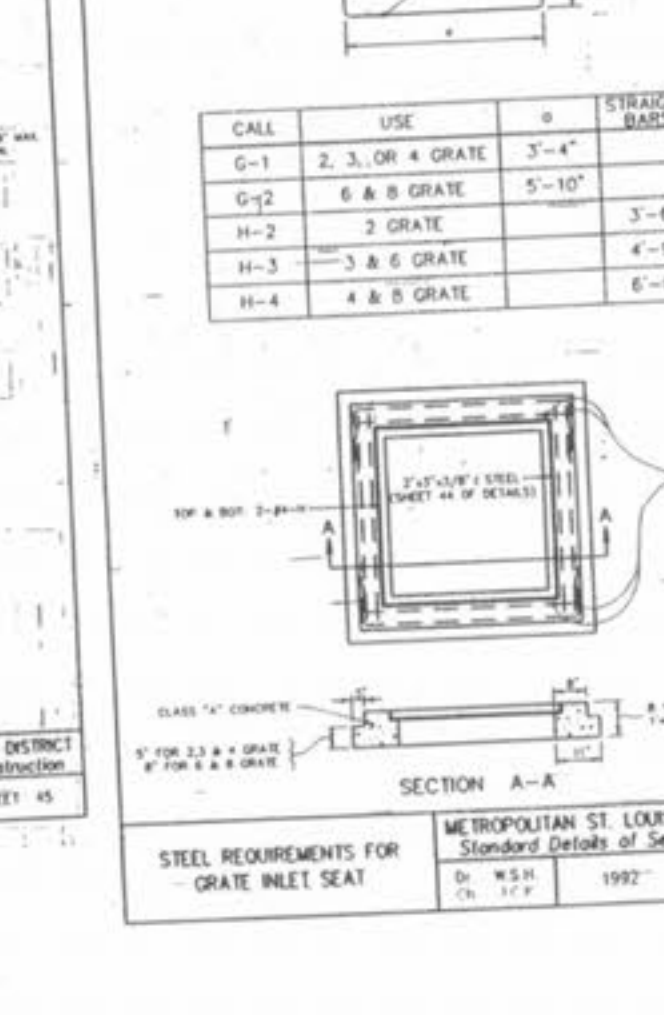
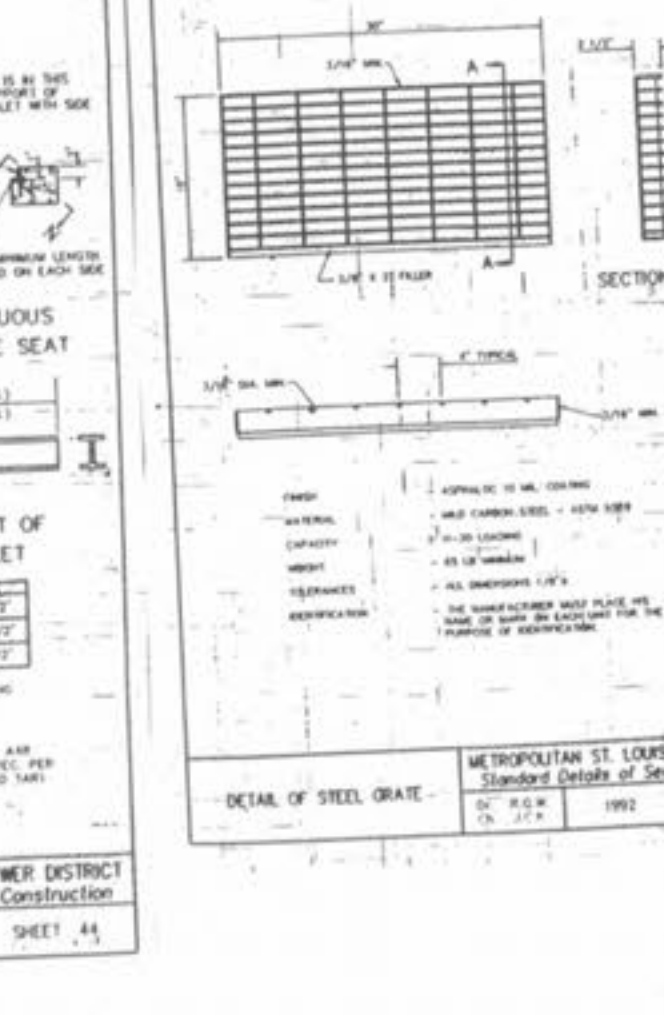
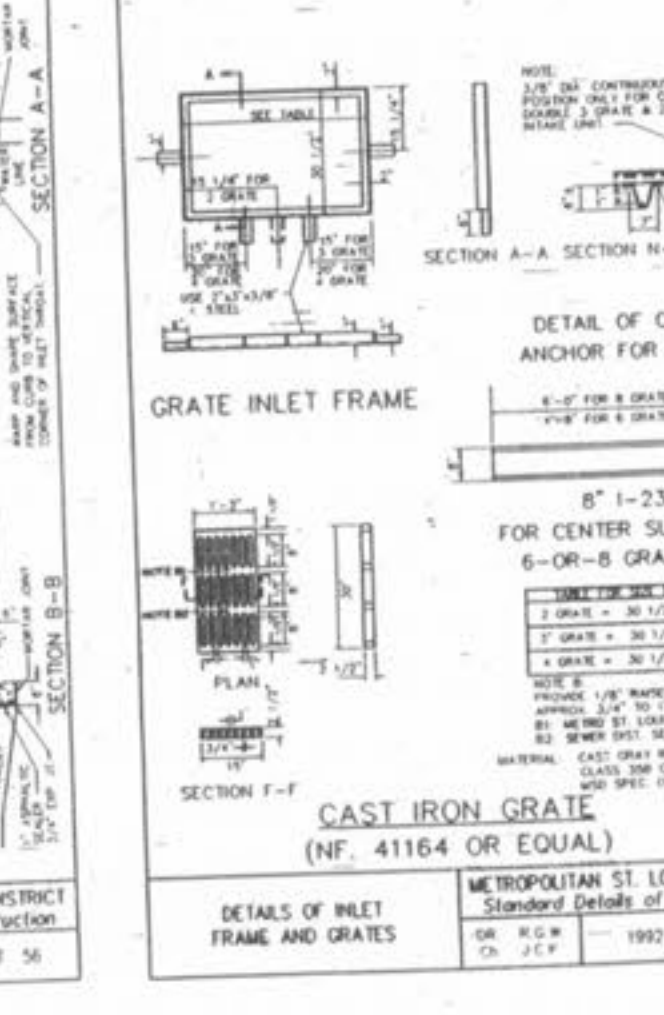
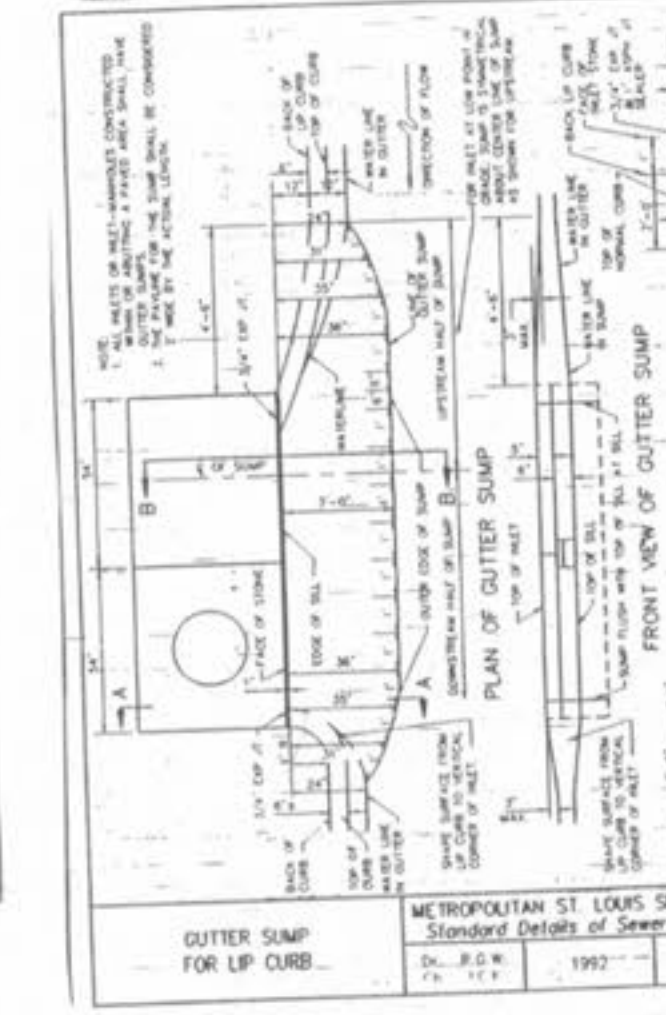
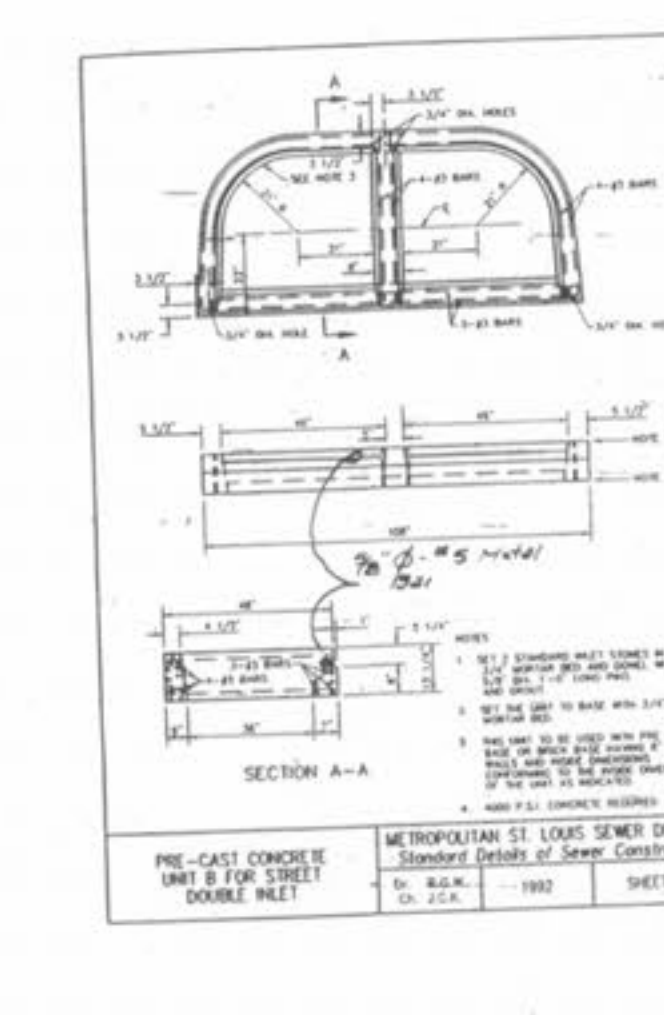
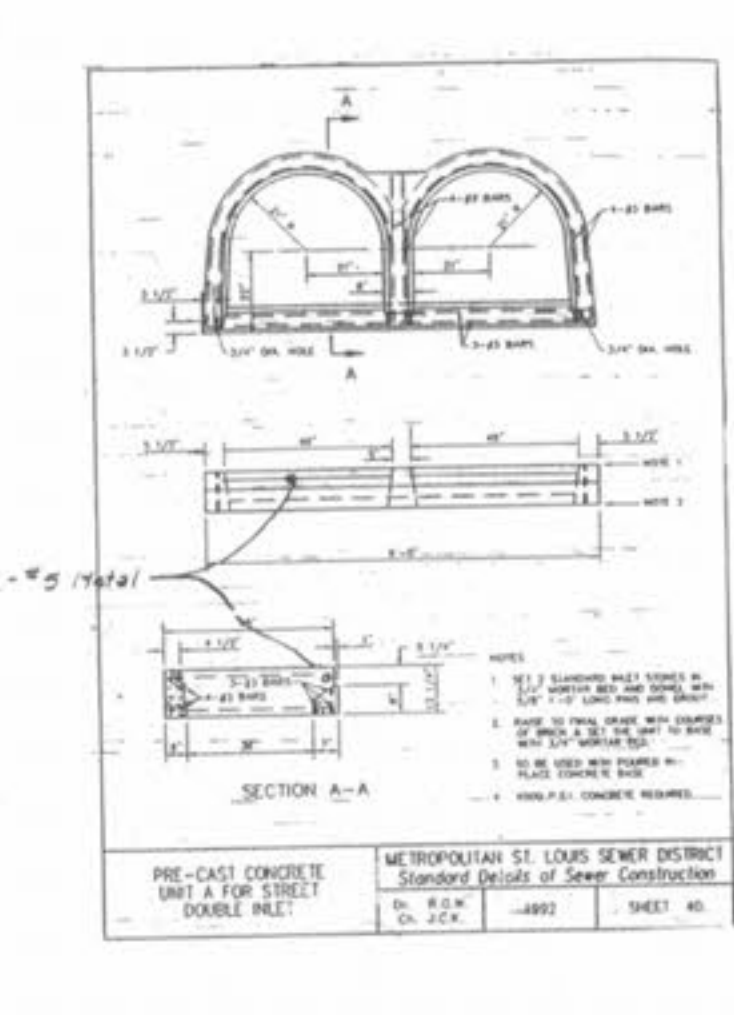
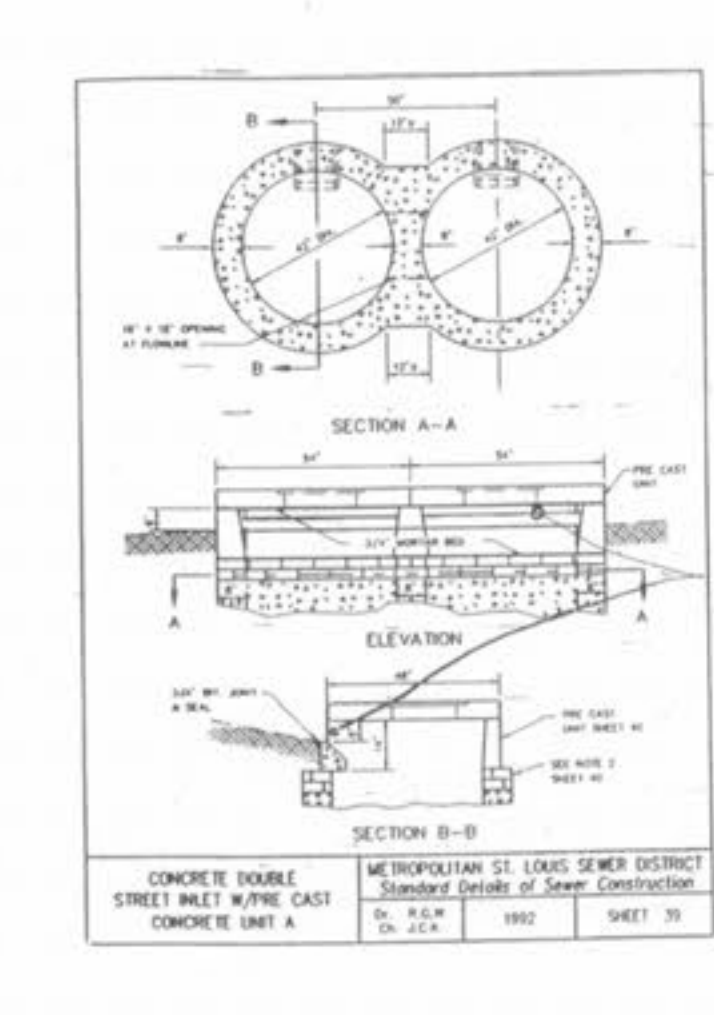
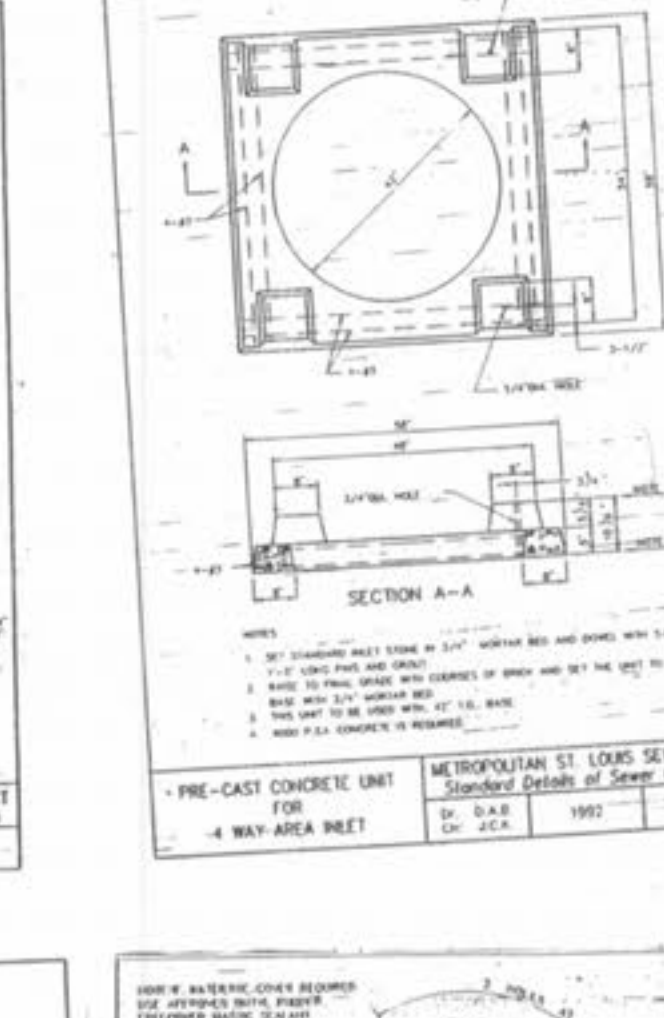
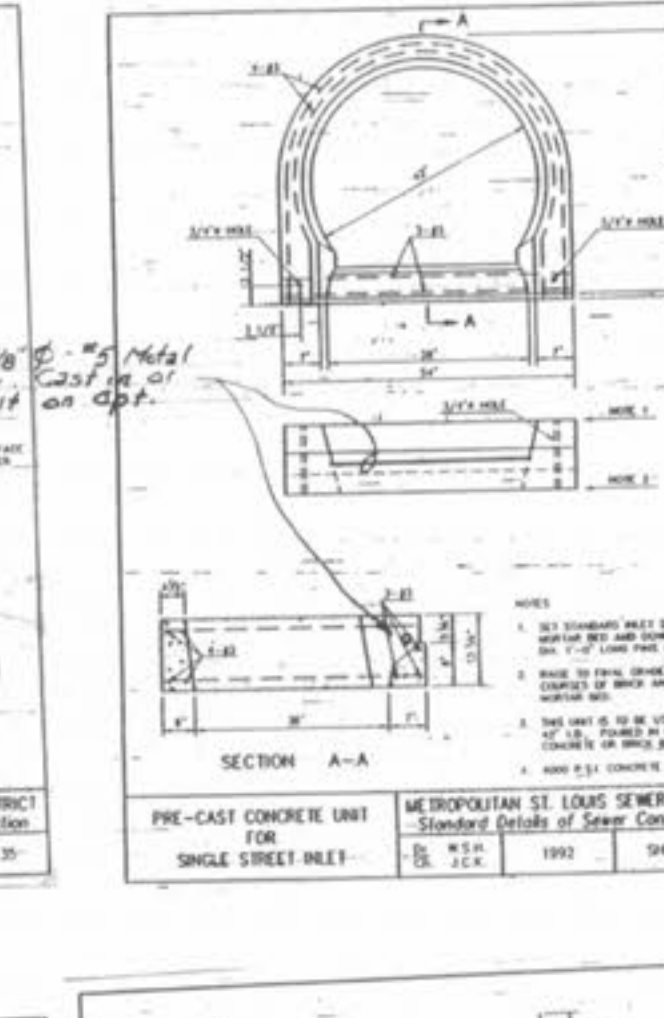
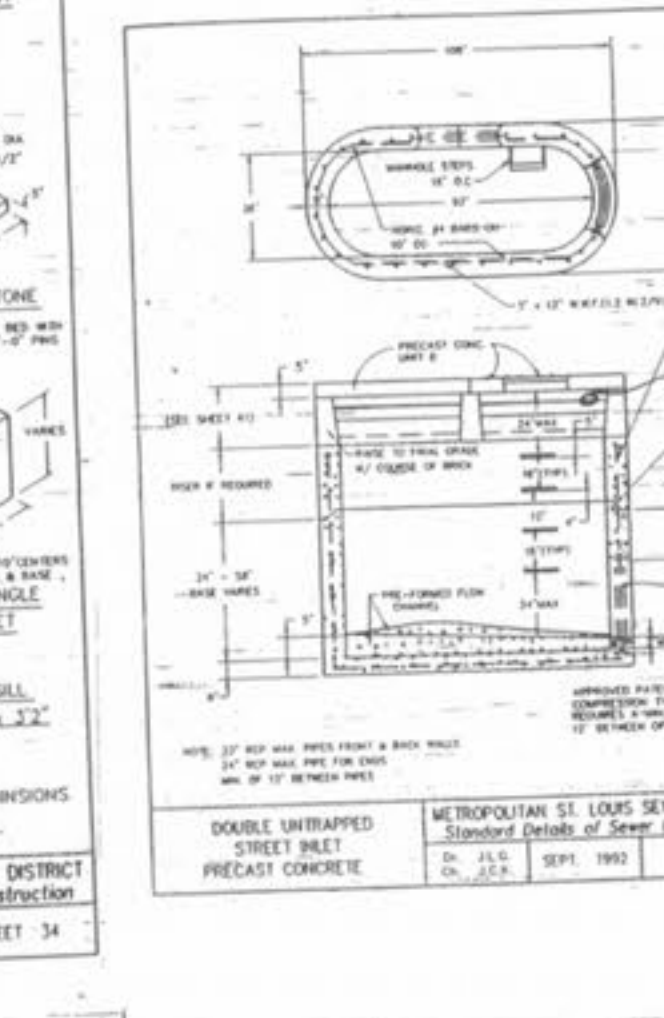
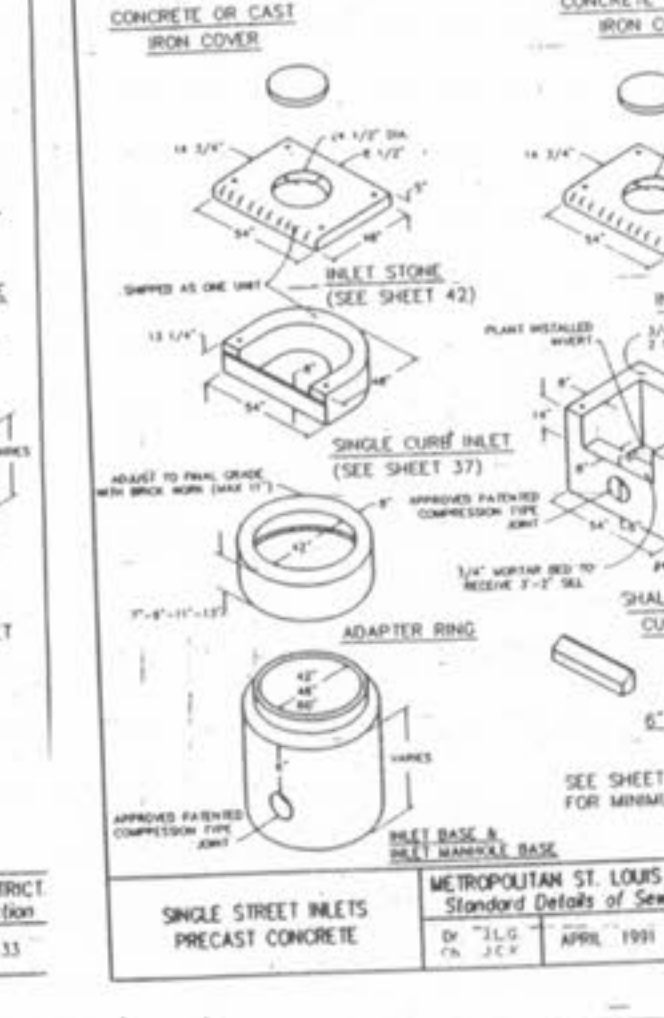
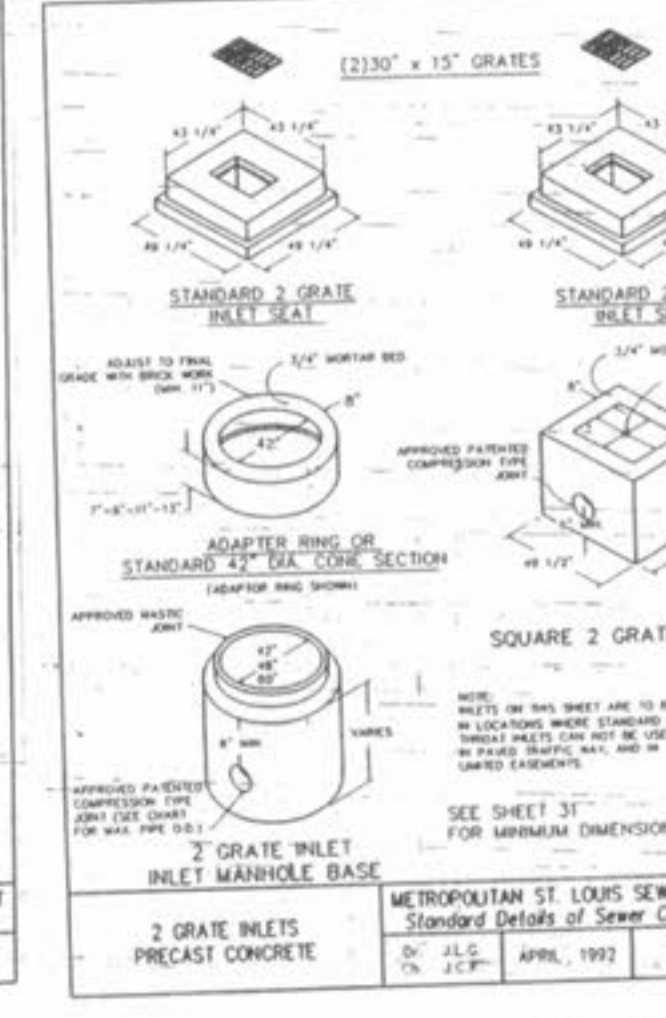
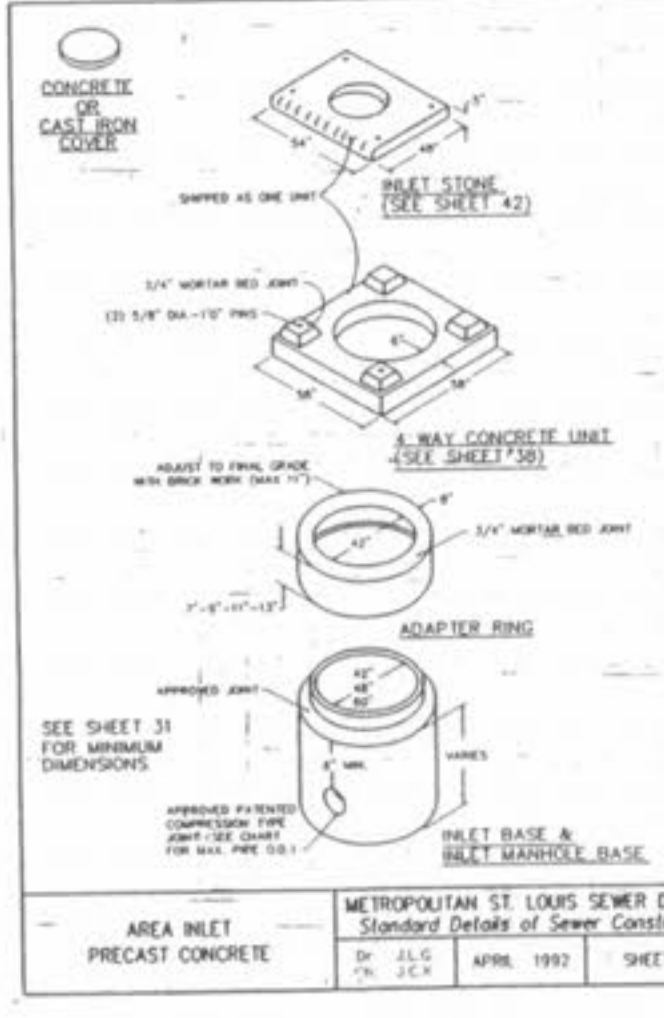
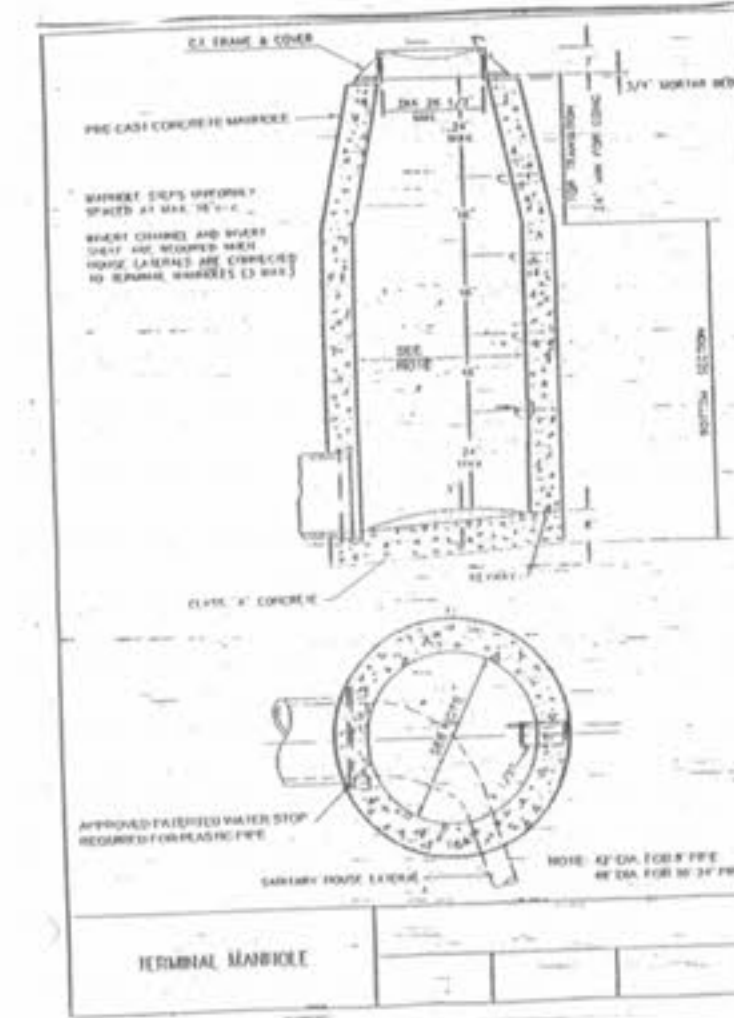
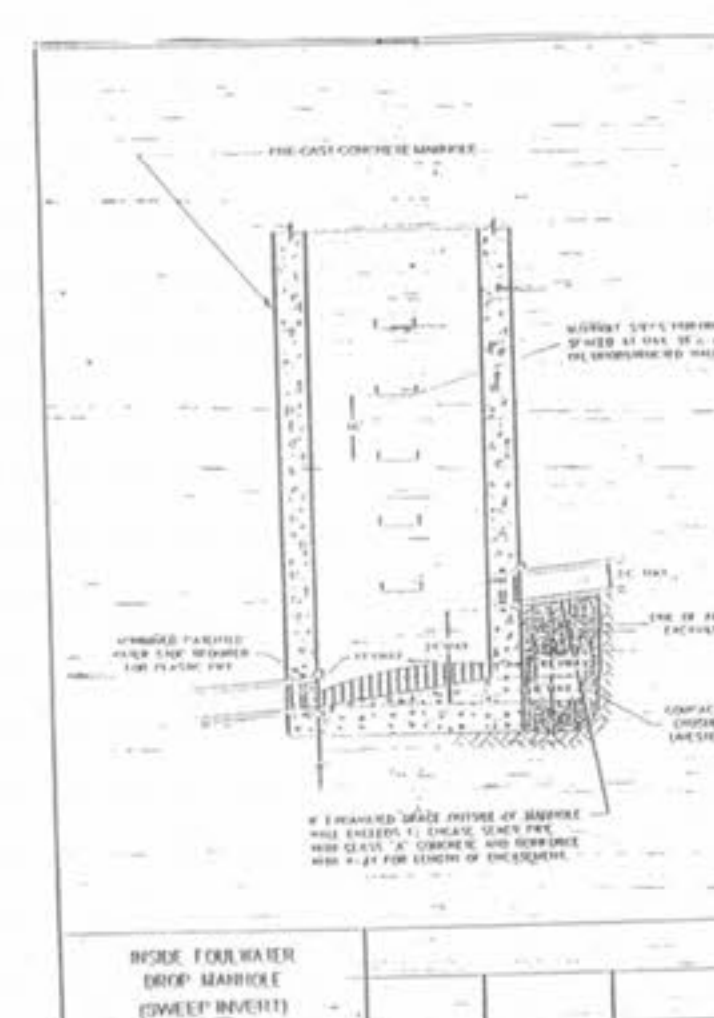
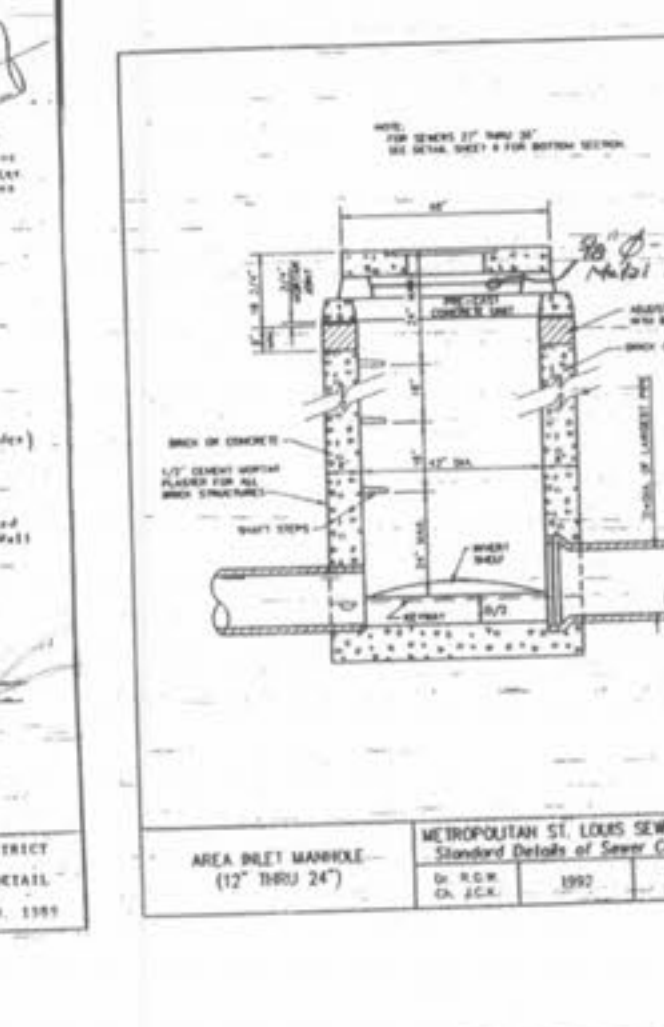
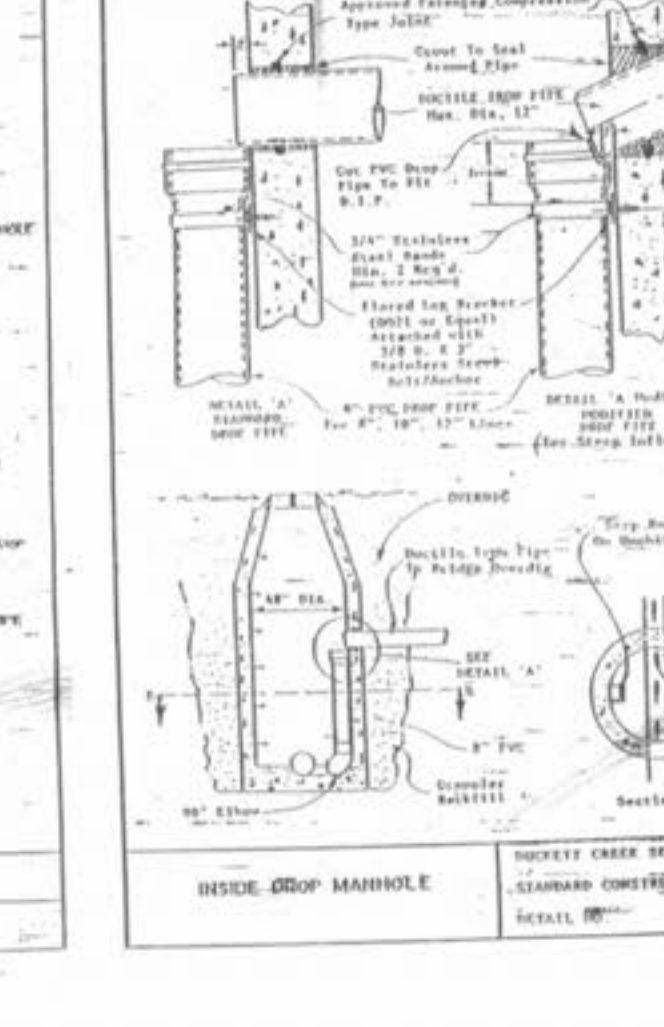
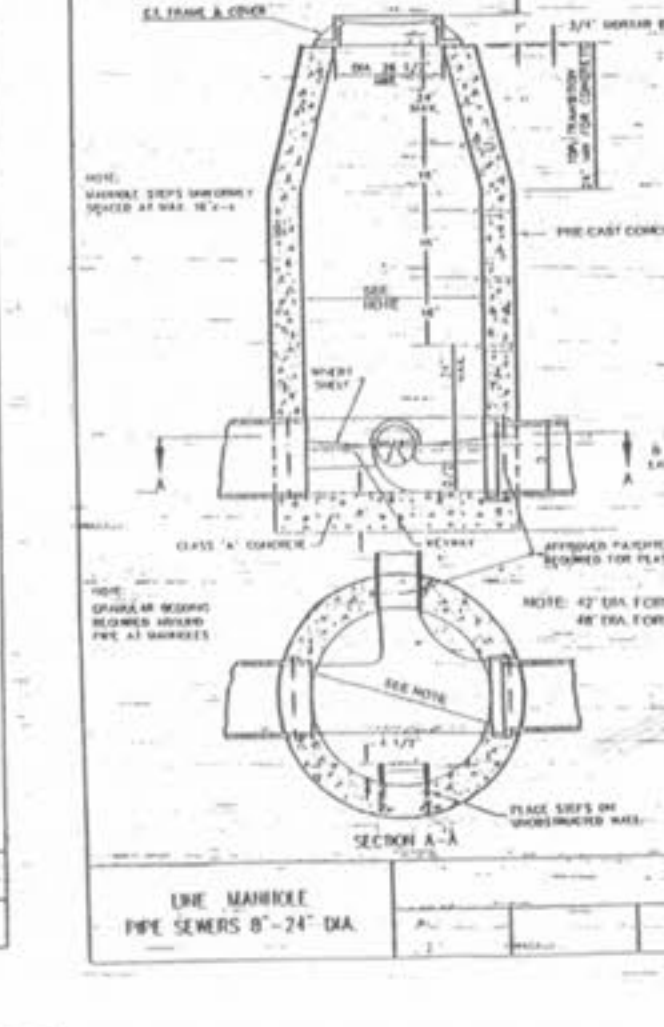
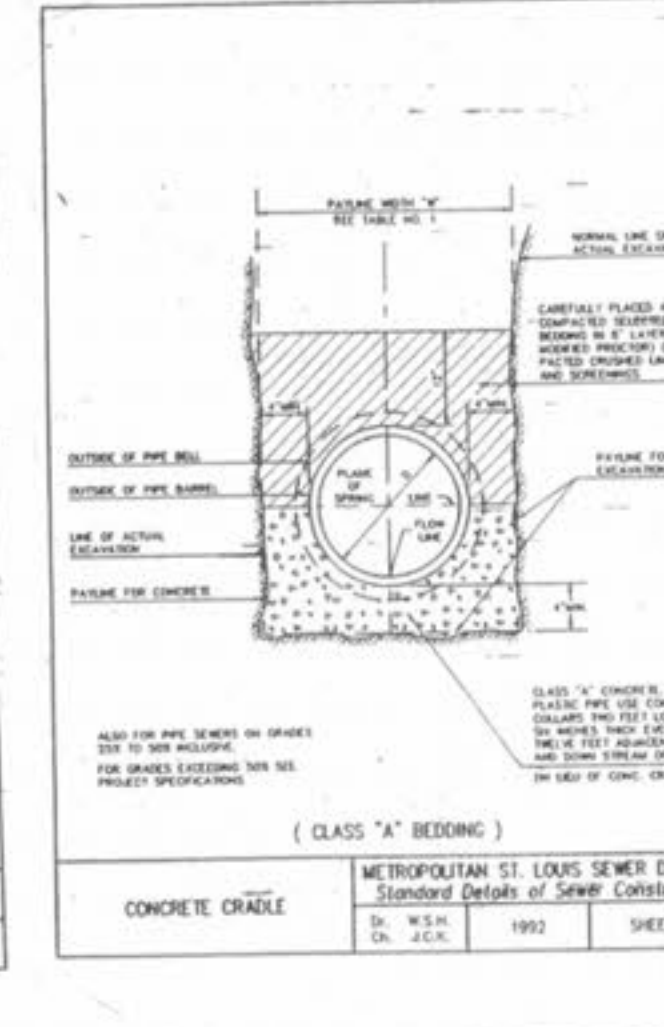
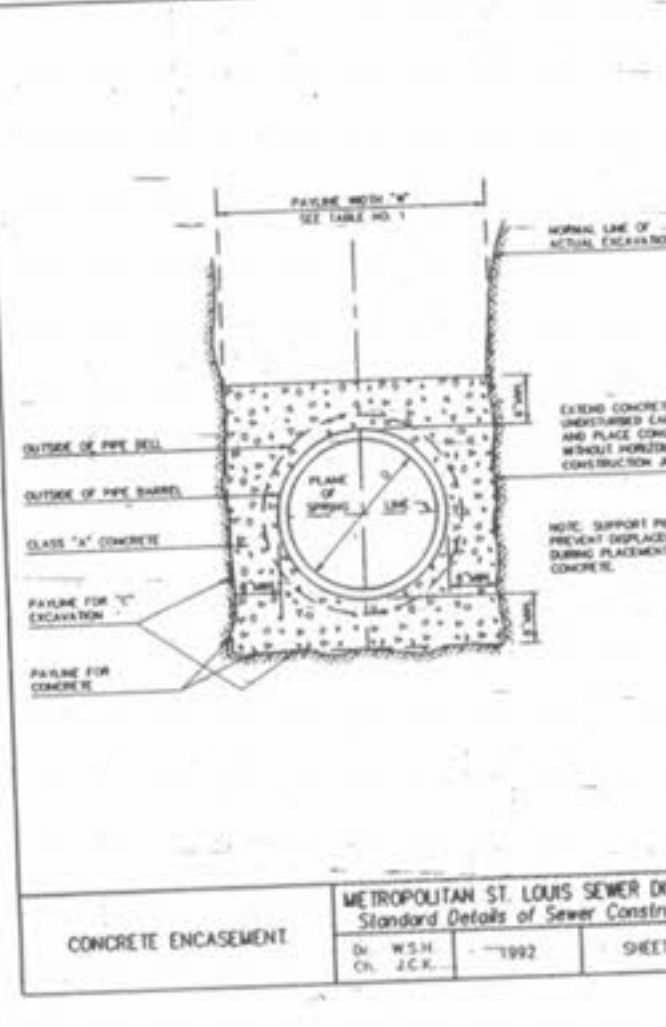
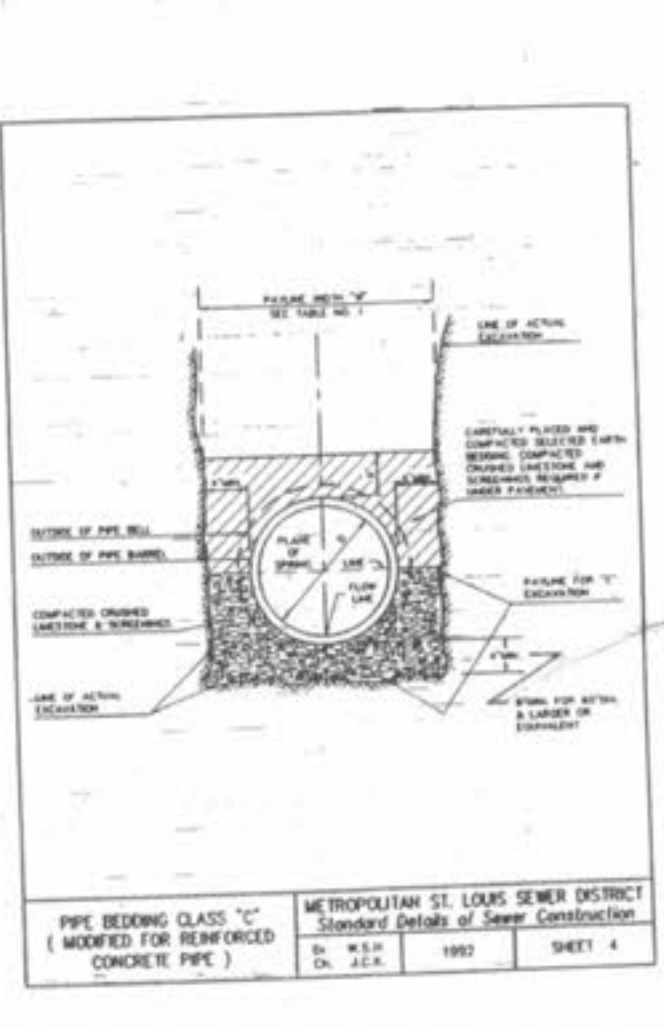
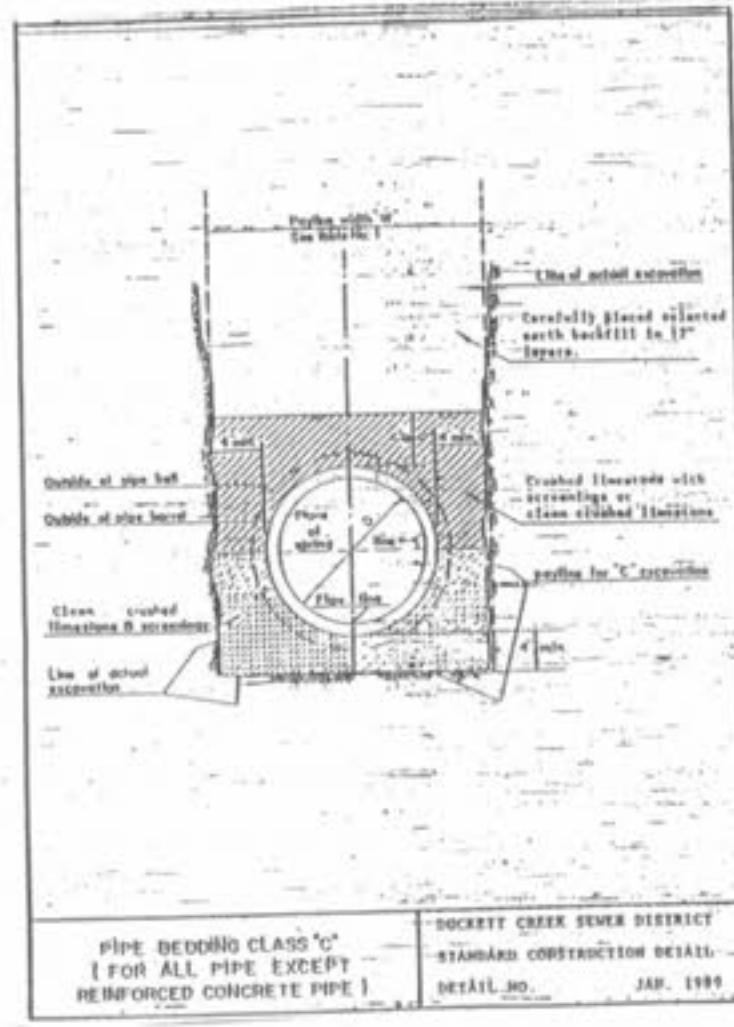


ROUND PIPE DIAMETER (INCHES)	PIPE WALL THICKNESS (INCHES)	CONCRETE ENCASUREMENT		CONCRETE ENCASUREMENT	
		MINIMUM THICKNESS (INCHES)	MINIMUM THICKNESS (INCHES)	MINIMUM THICKNESS (INCHES)	MINIMUM THICKNESS (INCHES)
18	3/8	1.5	1.5	1.5	1.5
20	3/8	1.5	1.5	1.5	1.5
22	3/8	1.5	1.5	1.5	1.5
24	3/8	1.5	1.5	1.5	1.5
26	3/8	1.5	1.5	1.5	1.5
28	3/8	1.5	1.5	1.5	1.5
30	3/8	1.5	1.5	1.5	1.5
32	3/8	1.5	1.5	1.5	1.5
34	3/8	1.5	1.5	1.5	1.5
36	3/8	1.5	1.5	1.5	1.5
38	3/8	1.5	1.5	1.5	1.5
40	3/8	1.5	1.5	1.5	1.5
42	3/8	1.5	1.5	1.5	1.5
44	3/8	1.5	1.5	1.5	1.5
46	3/8	1.5	1.5	1.5	1.5
48	3/8	1.5	1.5	1.5	1.5
50	3/8	1.5	1.5	1.5	1.5
52	3/8	1.5	1.5	1.5	1.5
54	3/8	1.5	1.5	1.5	1.5
56	3/8	1.5	1.5	1.5	1.5
58	3/8	1.5	1.5	1.5	1.5
60	3/8	1.5	1.5	1.5	1.5
62	3/8	1.5	1.5	1.5	1.5
64	3/8	1.5	1.5	1.5	1.5
66	3/8	1.5	1.5	1.5	1.5
68	3/8	1.5	1.5	1.5	1.5
70	3/8	1.5	1.5	1.5	1.5
72	3/8	1.5	1.5	1.5	1.5
74	3/8	1.5	1.5	1.5	1.5
76	3/8	1.5	1.5	1.5	1.5
78	3/8	1.5	1.5	1.5	1.5
80	3/8	1.5	1.5	1.5	1.5
82	3/8	1.5	1.5	1.5	1.5
84	3/8	1.5	1.5	1.5	1.5
86	3/8	1.5	1.5	1.5	1.5
88	3/8	1.5	1.5	1.5	1.5
90	3/8	1.5	1.5	1.5	1.5
92	3/8	1.5	1.5	1.5	1.5
94	3/8	1.5	1.5	1.5	1.5
96	3/8	1.5	1.5	1.5	1.5
98	3/8	1.5	1.5	1.5	1.5
100	3/8	1.5	1.5	1.5	1.5
102	3/8	1.5	1.5	1.5	1.5
104	3/8	1.5	1.5	1.5	1.5
106	3/8	1.5	1.5	1.5	1.5
108	3/8	1.5	1.5	1.5	1.5
110	3/8	1.5	1.5	1.5	1.5
112	3/8	1.5	1.5	1.5	1.5
114	3/8	1.5	1.5	1.5	1.5
116	3/8	1.5	1.5	1.5	1.5
118	3/8	1.5	1.5	1.5	1.5
120	3/8	1.5	1.5	1.5	1.5
122	3/8	1.5	1.5	1.5	1.5
124	3/8	1.5	1.5	1.5	1.5
126	3/8	1.5	1.5	1.5	1.5
128	3/8	1.5	1.5	1.5	1.5
130	3/8	1.5	1.5	1.5	1.5
132	3/8	1.5	1.5	1.5	1.5
134	3/8	1.5	1.5	1.5	1.5
136	3/8	1.5	1.5	1.5	1.5
138	3/8	1.5	1.5	1.5	1.5
140	3/8	1.5	1.5	1.5	1.5
142	3/8	1.5	1.5	1.5	1.5
144	3/8	1.5	1.5	1.5	1.5
146	3/8	1.5	1.5	1.5	1.5
148	3/8	1.5	1.5	1.5	1.5
150	3/8	1.5	1.5	1.5	1.5

TABLE 1  
PAYING MIXTURE OF CONCRETE  
AND PAY-QUANTITIES  
OF CONCRETE

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
REV. 10/92 SHEET 1



WINGHAVEN  
RESIDENTIAL L.L.C.  
4114 W. BROADWAY  
ST. LOUIS, MISSOURI 63105  
PHONE: (314) 537-2000

**VOLZ**

REGISTERED PROFESSIONAL ENGINEER  
STATE OF MISSOURI  
No. 16146  
EXPIRES 12/31/92

**WINGHAVEN**

CONSTRUCTION DETAILS

Design By: R.L.M.  
Drawn By: M.E.K.  
Checked By: E.A.K.

6-08-92  
27

B-6603