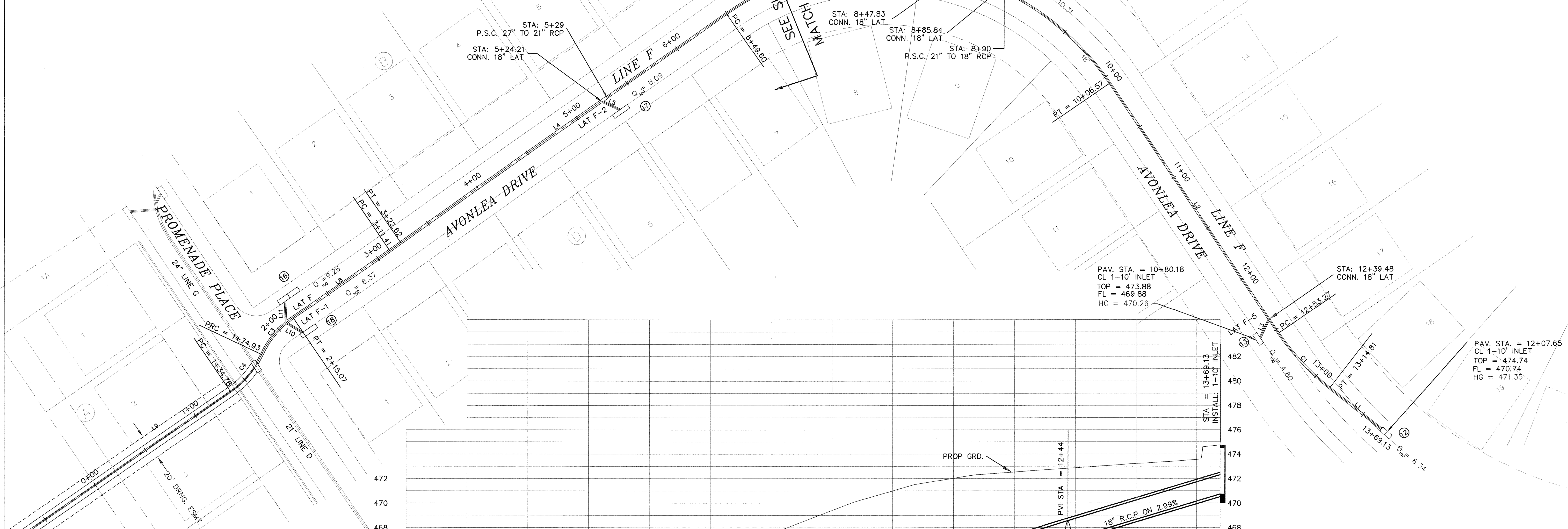
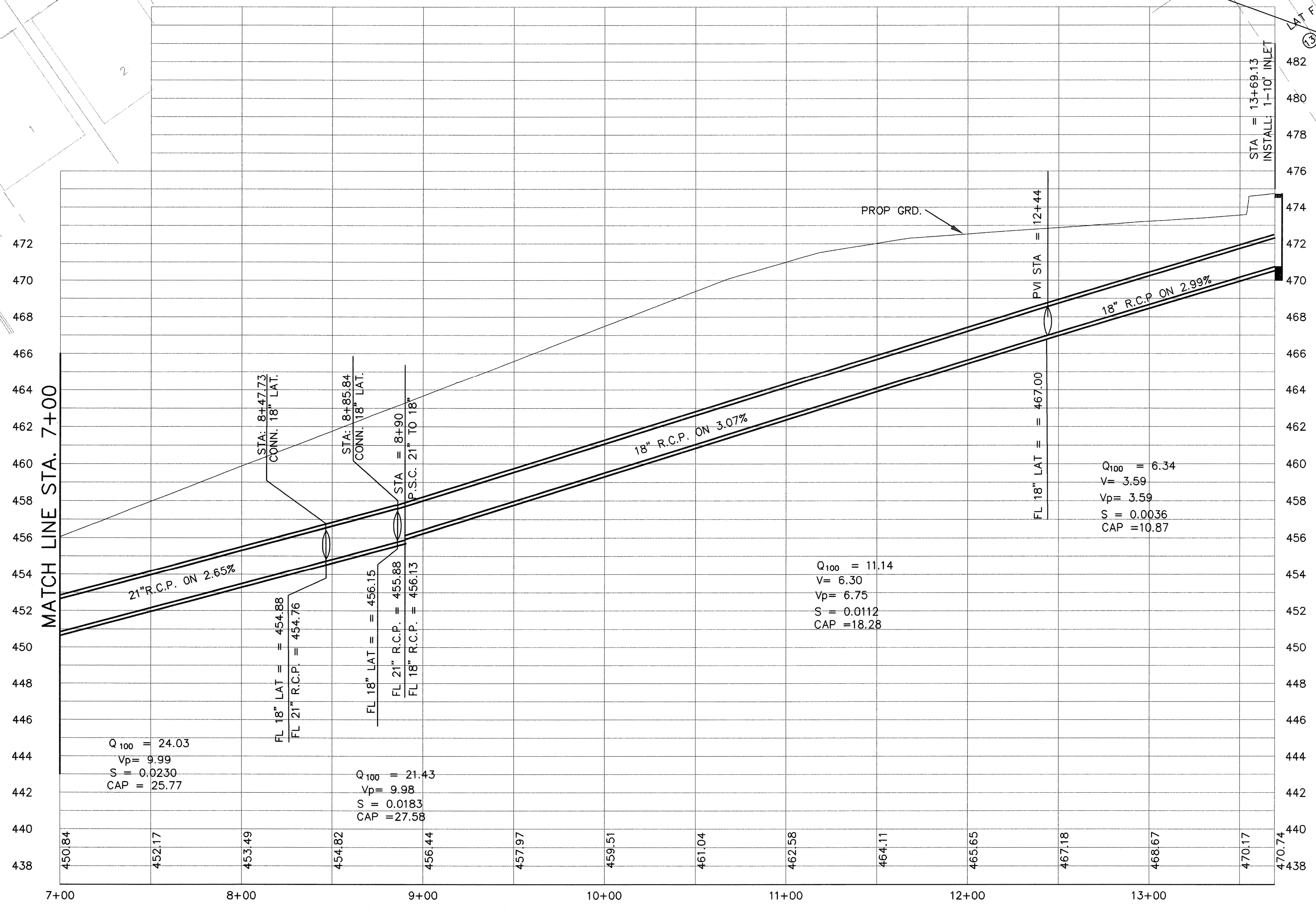


From	To	Length	Box Height	Width	DESIGN Q100	Pipe Size (in)	CAP Q100	FULL V	PARTIAL V	PARTIAL FLOW%	FLOW CHT. No.	Kj	Flow R(f)	Flow R^2/3	Flow Area	FULL S	DESIGN S	HGL Rise	HGL Number	
STM																			435.60	START
164.69	340	504.91			48.86	42	42.69	5.08	5.08	1.14	1.00		0.8750	0.9148	9.6211	0.0024	0.0018	1.1908	436.69	TOP OF PIPE
208.00	164.7	43.31			48.08	27	49.46	12.09	12.09	0.97	1.00	1.0000	0.5625	0.6814	3.9761	0.0241	0.0255	-1.8701	438.77	
529.00	208	321			30.3	27	49.46	7.62	8.08	0.61	1.06	1.0000	0.5625	0.6814	3.9761	0.0096	0.0255	0.7207	440.53	
847.73	529	318.73			24.03	21	25.79	9.99	9.99	0.93	1.00	0.5500	0.4375	0.5763	2.4053	0.0230	0.0265	3.0725	443.61	
890.00	847.7	42.27			21.43	21	27.58	8.91	9.98	0.78	1.12	0.0000	0.4375	0.5763	2.4053	0.0183	0.0303	0.2238	443.83	
1244.00	890	354			11.14	18	18.28	6.30	6.75	0.61	1.07	0.6000	0.3750	0.5200	1.7671	0.0112	0.0303	0.7330	447.87	
1369.13	1244	125.13			6.34	18	18.16	3.59	3.23	0.35	0.90	0.0000	0.3750	0.5200	1.7671	0.0036	0.0299	0.8624	451.05	
																		0.8624	451.05	
																		3.9814	455.03	
																		0.8171	455.65	
																		0.4558	456.10	

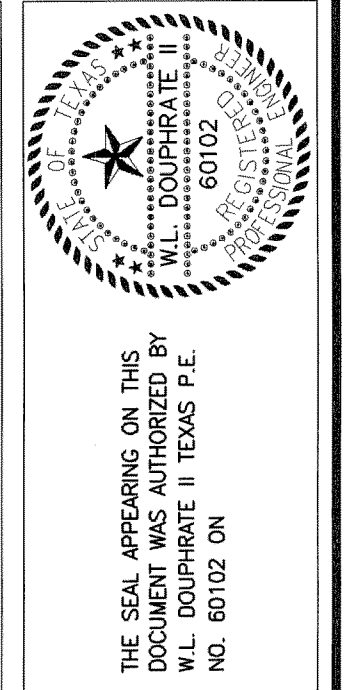
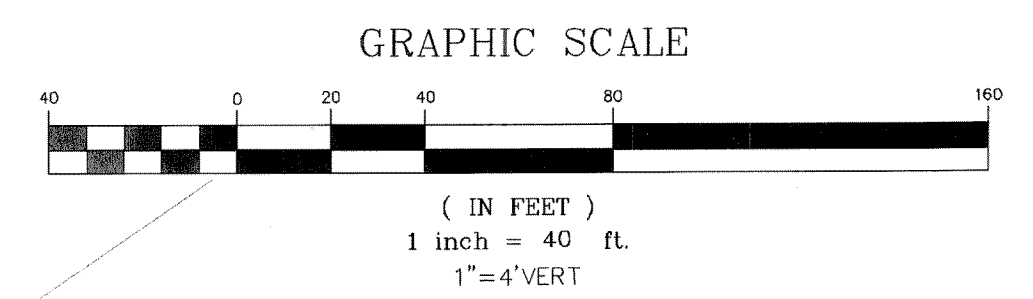


BENCHMARK:
CITY OF DALLAS MONUMENT NO. EE81D
ON NORTH SIDE OF DALTON ROAD 685'±
EAST OF NORTHWEST CORNER OF THIS
TRACT. ELEV=463.08



LINE	LENGTH	BEARING
L1	54.32	N18°01'26\"/>
L2	246.69	S00°23'36\"/>
L3	16.74	N59°36'24\"/>
L4	326.98	N88°42'20\"/>
L5	16.74	N31°17'40\"/>
L6	19.77	N77°05'12\"/>
L7	48.43	S80°06'21\"/>
L8	96.33	S89°19'57\"/>
L9	134.78	N89°19'57\"/>
L10	15.67	N25°51'20\"/>
L11	17.43	S31°04'11\"/>

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH DIST	CH BRG
C1	61.54	200.00	17°37'51\"/>			
C2	356.97	225.00	90°54'04\"/>			
C3	40.15	75.00	30°40'17\"/>			
C4	40.15	75.00	30°40'17\"/>			



DOUPHRATE & ASSOCIATES, INC.
ENGINEERING - PROJECT MANAGEMENT - SURVEYING
2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087
PHONE: (972)771-9004 FAX: (972)771-9005

STORM SEWER PLAN & PROFILE
LINE F
PROMENADE HARBOR
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

REVISION
W.L.D.
CHECKED
K.E.B.
DRAWN
9/01
DATE
0050STM3
PROJECT