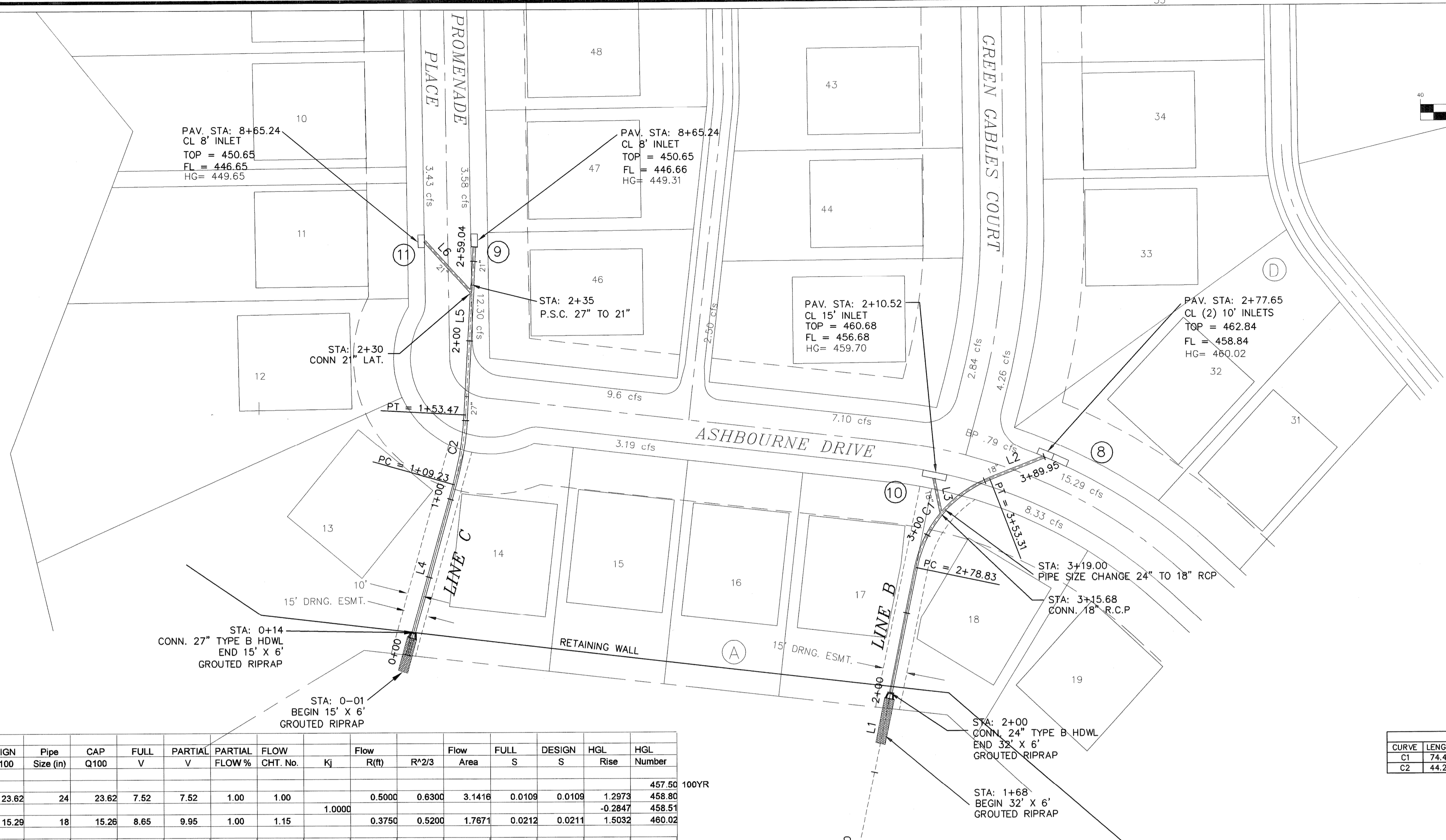
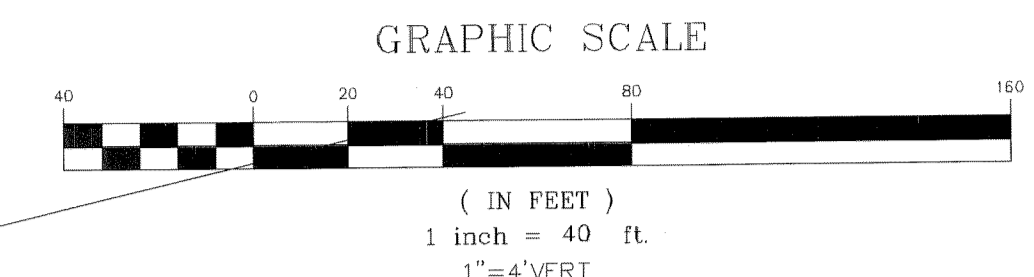


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY W.L. DOUPHRATE II TEXAS P.E. NO. 60102 ON

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 B & C
 PROMENADE HARBOR
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

REVISION
 CHECKED W.L.D.
 DRAWN K.E.B.
 DATE 9/01
 PROJECT 0050STM-1



LINE	LENGTH	BEARING
L1	178.83	N11°49'09"E
L2	36.64	S68°42'59"W
L3	22.50	S11°24'09"E
L4	109.23	S15°50'40"W
L5	105.57	S03°10'13"W
L6	43.94	S42°03'34"E

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH DIST	CH BRG
C1	74.48	75.00	56°53'50"	40.63	71.46	S40°16'04"W
C2	44.24	200.00	12°40'27"	22.21	44.15	N09°30'27"E

From	To	Length	Box Height	Width	DESIGN Q100	Pipe Size (in)	CAP Q100	FULL V	PARTIAL V	PARTIAL FLOW %	FLOW CHT. No.	Flow KJ	Flow R(ft)	Flow R^2/3	Flow Area	FULL S	DESIGN S	HGL Rise	HGL Number
STMB 100YR																			
319.00	200	119			23.62	24	23.62	7.52	7.52	1.00	1.00		0.5000	0.6300	3.1416	0.0109	0.0109	1.2973	457.50
Junction Loss																			
389.95	319	70.95			15.29	18	15.26	8.65	9.95	1.00	1.15	1.0000	0.3750	0.5200	1.7671	0.0212	0.0211	1.5032	458.51
STMC 100YR																			
230	14	216			23.3	27	23.3	5.86	5.86	1.00	1.00		0.5625	0.6814	3.9761	0.0057	0.0057	1.2215	447.98
Junction Loss																			
259.04	230	29.04			16.67	21	16.67	6.93	7.97	1.05	1.15	1.0000	0.4375	0.5763	2.4053	0.0111	0.0111	0.3214	449.31

