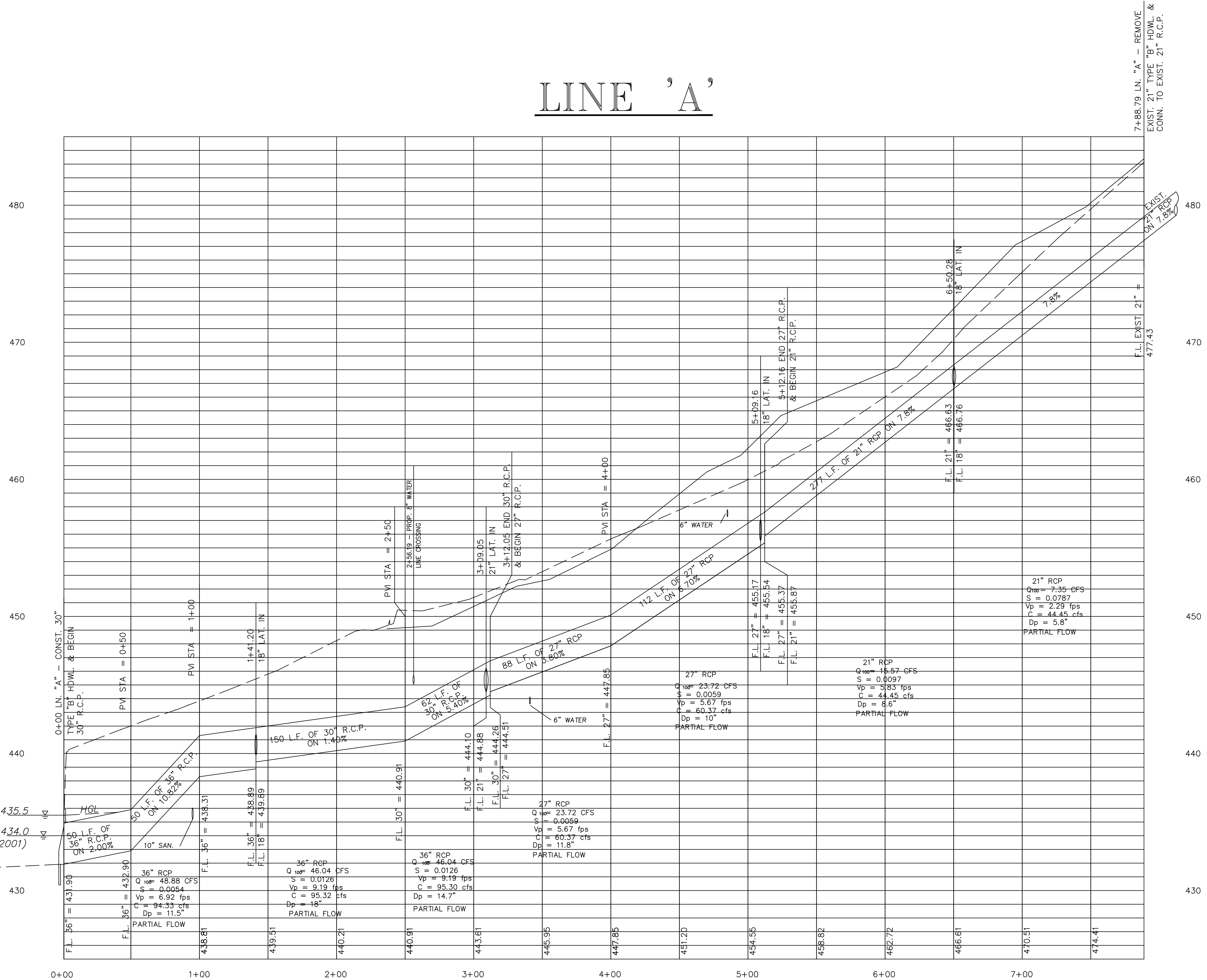
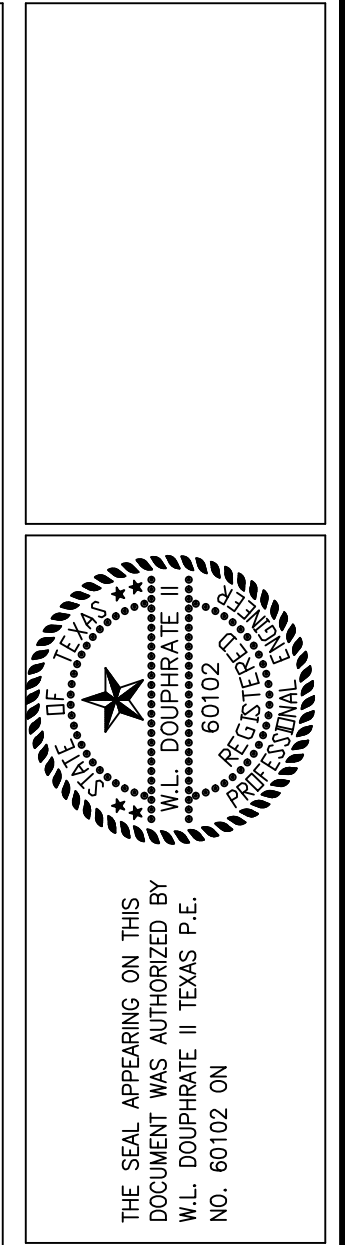
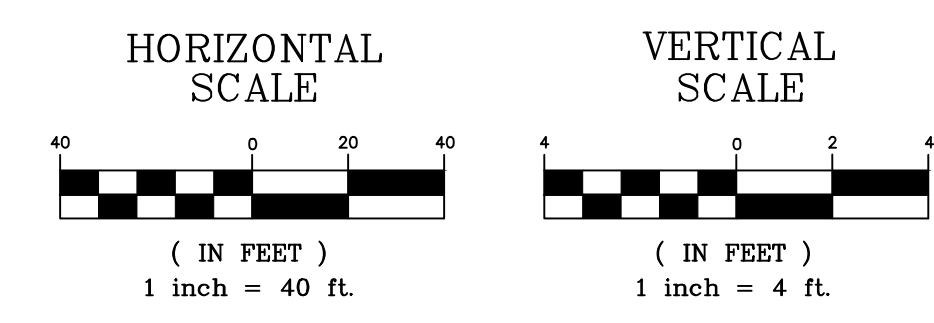


LINE 'A'



PROJECT	9953	DESIGN	Pipe	CAP	FULL	PARTIAL	PARTIAL	DESIGN	HGL	HGL	
From	To	Length	Q100	Size (in)	Q100	V	V	S	Rise	Number	
STM A											
145.20	0	145.2	48.88	36	94.33	6.92	6.92	0.52	1.00		435.50 Starting
Junction Loss											436.28
312.05	145.2	166.85	46.04	30	95.32	9.38	9.19	0.48	0.98	0.9000	0.6250
Junction Loss											0.4000
512.16	312.05	200.11	23.72	27	60.37	5.97	5.67	0.39	0.95	1.0000	0.5625
Junction Loss											0.1738
650.28	512.16	138.12	15.57	21	44.45	6.47	5.83	0.35	0.90	1.0000	0.4375
Junction Loss											0.0097
788.79	650.28	138.51	7.35	21	44.45	3.06	2.29	0.17	0.75	1.0000	0.4375

BENCHMARK: "□" AT SOUTH SIDE OF SANITARY SEWER LIFT STATION, LOCATED 100 FT. EAST, AND 10 FT (+/-) SOUTH FROM THE SOUTHWEST CORNER OF THIS PROPERTY. ELEV 450.45.



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

STORM SEWER LINE 'A'

VILLAS DE PORTOFINO PHASE 2

CITY OF ROCKWALL
 COUNTY OF ROCKWALL

REVISION	PER CITY COMMENTS
07-09-2001	
08-27-2001	
09-20-2001	

CHECKED BY: **WLD.**
 DRAWN BY: **WLD.**
 DATE: **6/12/01**
 PROJECT NO.: **9953**
 DRAWING NAME: **9953PH2SDP1**

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