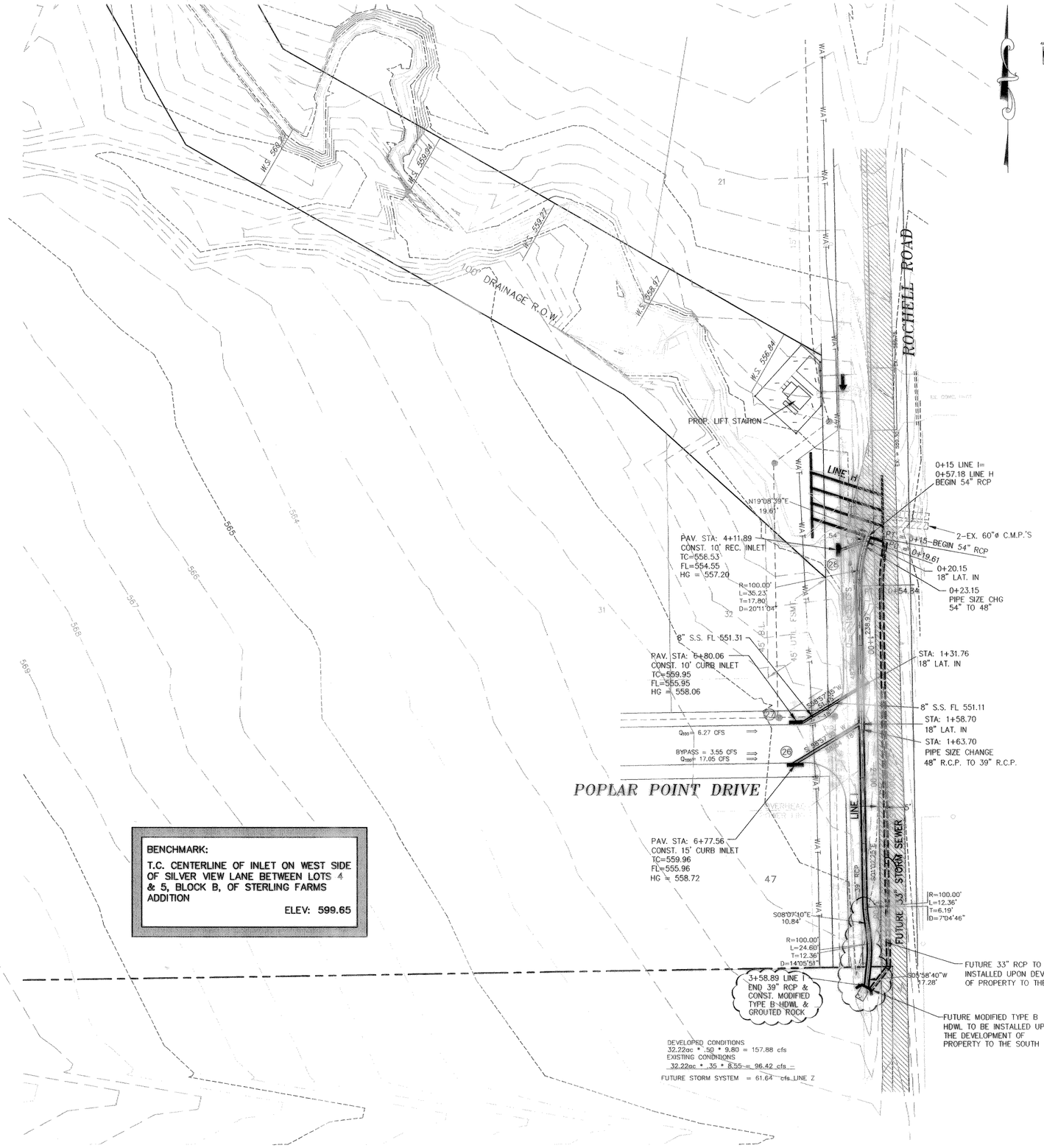


BENCHMARK:

T.C. CENTERLINE OF INLET ON WEST SIDE OF SILVER VIEW LANE BETWEEN LOTS 4 & 5, BLOCK B, OF STERLING FARMS ADDITION

ELEV: 599.65

DEVELOPED CONDITIONS
32.22ac * .50 * 9.80 = 157.88 cfs
EXISTING CONDITIONS
32.22ac * .35 * 8.55 = 96.42 cfs
FUTURE STORM SYSTEM = 61.64 cfs LINE Z

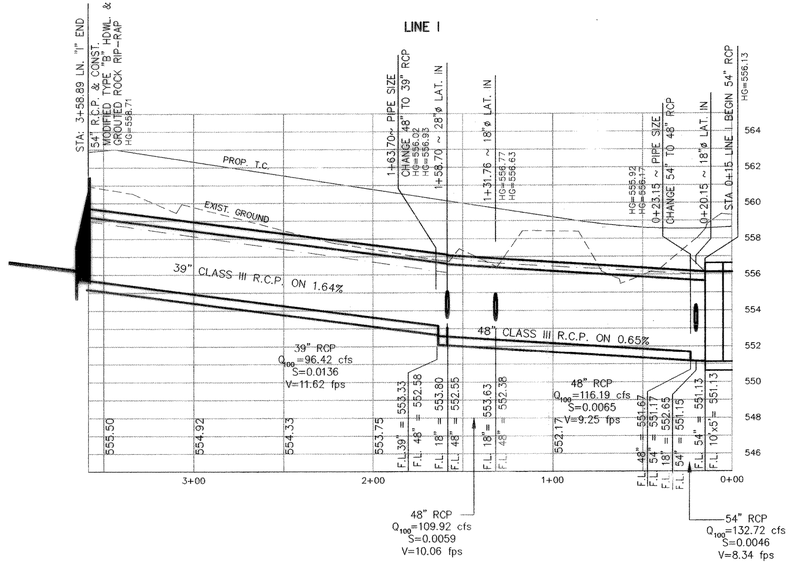
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.
1"=4'VERT

LINE TABLE		
LINE	LENGTH	BEARING
L1	19.61'	N19°08'39"E
L2	19.96'	N70°50'15"E

From	To	Length	Box Height	Box Width	DESIGN Q100	Pipe Size (in)	CAP Q100	FULL V	PARTIAL V	PARTIAL FLOW %	FLOW CHT. No.	KJ	Flow R(ft)	R^2/3	Flow Area	FULL S	DESIGN S	HGL Rise	HGL Number
STM I																			556.13
23.15	15	8.15			132.72	54	212.71	8.34	8.34	0.62	1.00		1.1250	1.0817	15.9043	0.0046	0.0117	0.0371	556.17
Junction Loss												1.0000						-0.2462	555.92
131.76	23.15	108.61			116.19	48	164.41	9.25	10.63	0.71	1.15		1.0000	1.0000	12.5664	0.0065	0.0131	0.7106	556.63
Junction Loss												1.0000						0.1394	556.77
163.70	131.76	31.94			109.92	48	164.41	8.75	10.06	0.67	1.15		1.0000	1.0000	12.5664	0.0059	0.0131	0.1870	556.96
Junction Loss												1.0000						-0.9096	556.05
358.58	163.7	194.88			96.42	39	94.50	11.62	13.37	1.02	1.15		0.8125	0.8707	8.2958	0.0136	0.0131	2.6575	558.71



REVISED TO CONFORM TO CONSTRUCTION RECORDS.
DATE: 7/22/03

DOUPHRATE & ASSOCIATES, INC.
ENGINEERING • PROJECT MANAGEMENT • SURVEYING
2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087
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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY W.L. DOUPHRATE II P.E. NO. 60102 ON 1/8/02

STORM SEWER PLAN + PROFILE
LINE "I" AND FUTURE LINE "Z"
TIMBER CREEK ESTATES
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

REVISION
REV. 10/27/00
REV. 3/21/01
REV. 4/2/01
REV. 12/3/02 CURVED 39" AROUND POWER POLE
W.L.D. CHECKED
A.J.W. DRAWN
1/18/01 DATE
9913 STM8 PROJECT
75 OF