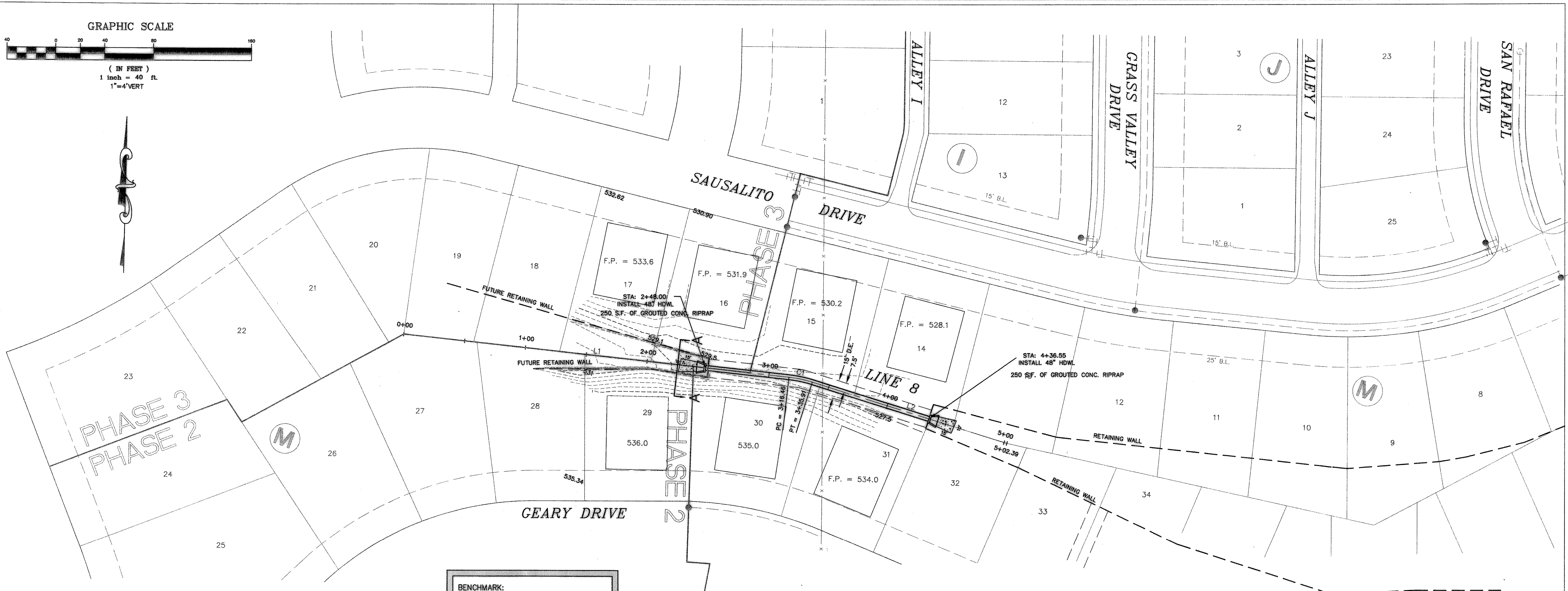
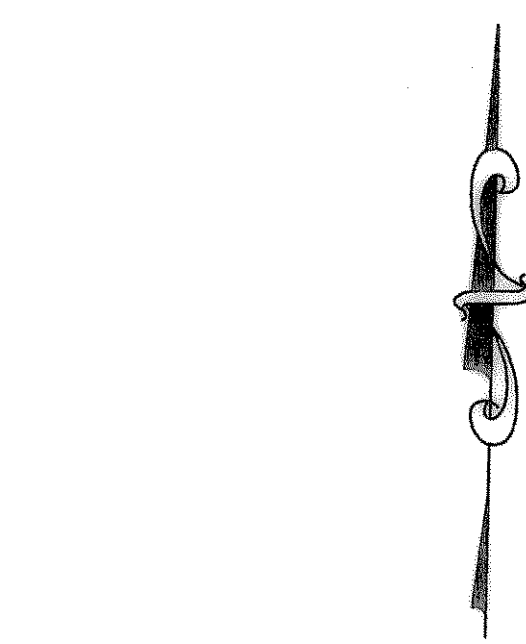


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY W.L. DOUPHRADE II TEXAS P.E. NO. 60102 ON 10/1/01

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



**BENCHMARK:**  
 BRASS CAP MONUMENT NO. 10 SET IN CONCRETE IN THE CENTER OF GRASS MEDIAN IN MASTERS DRIVE BETWEEN NORTH LAKESHORE & SHORES BLVD.  
 N 7032464.6317, E 2589554.1518  
 ELEV. = 524.62

**A-A**  
 @ STA: 2+25

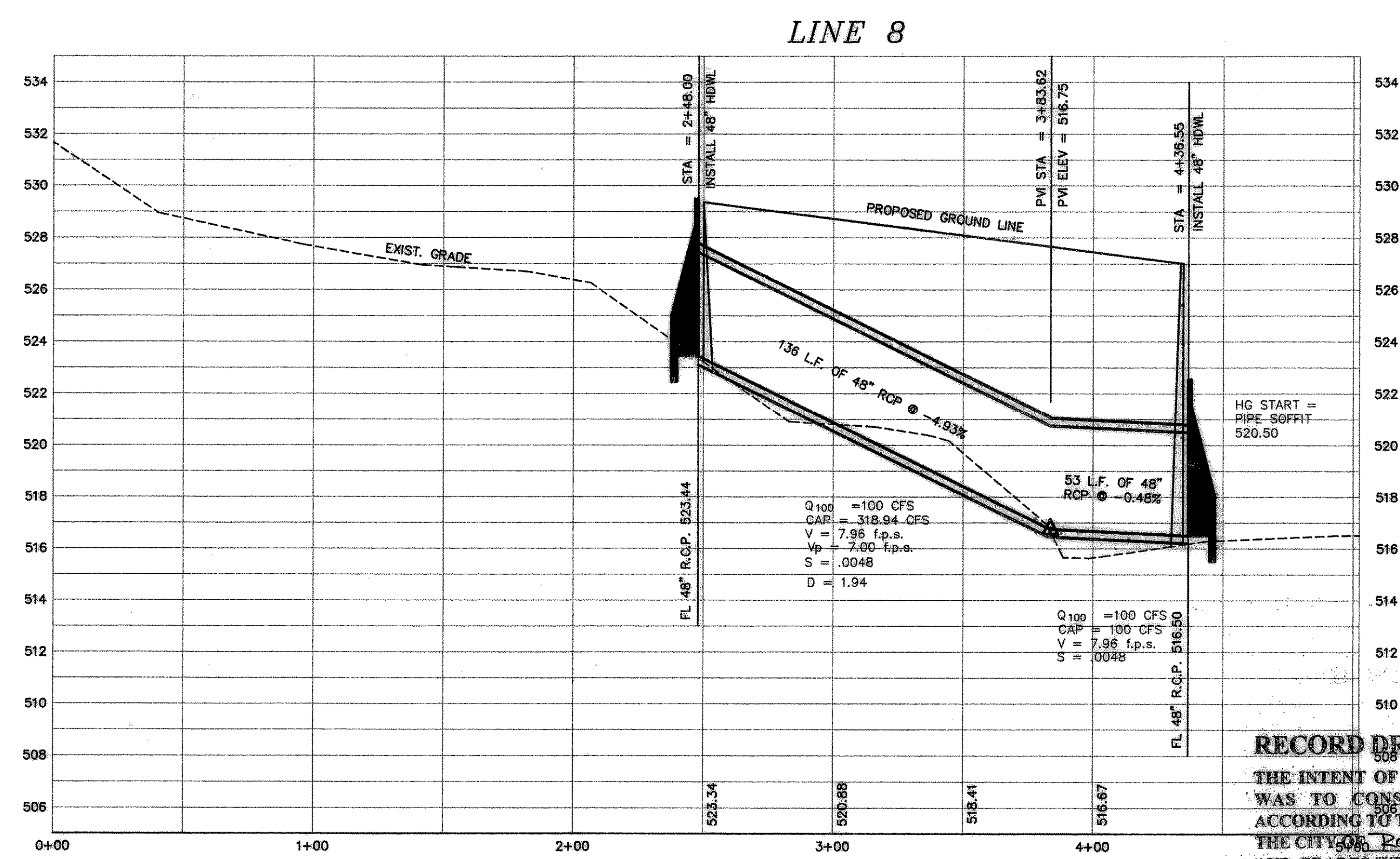
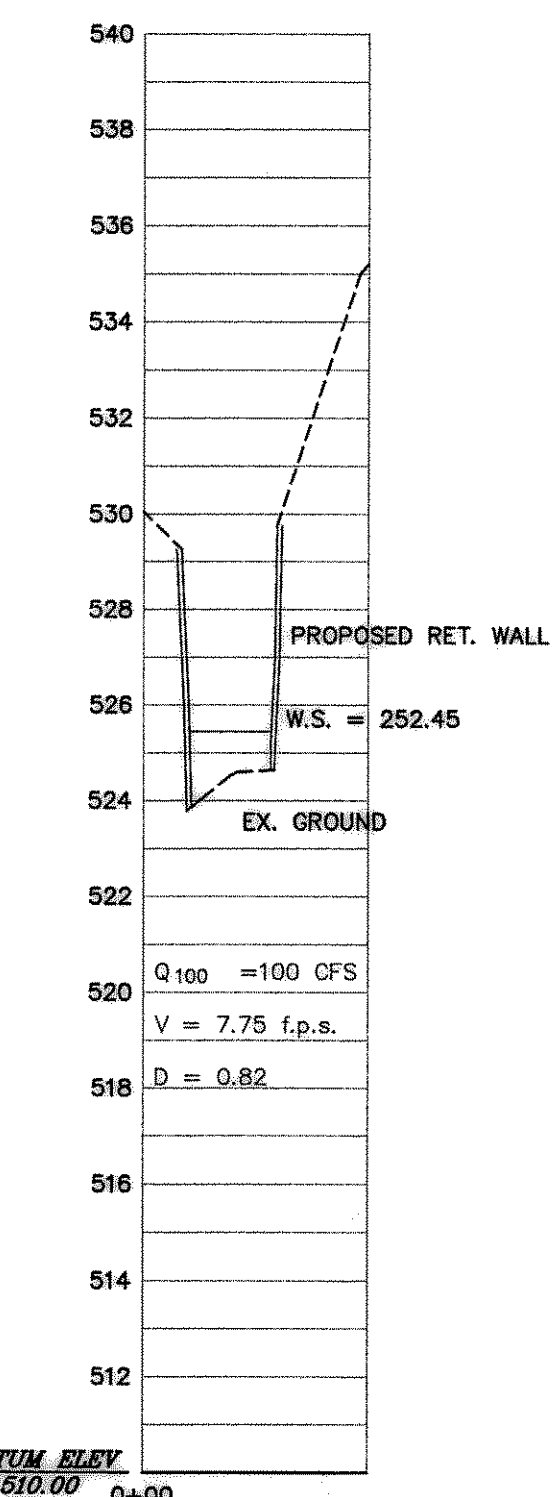
From	To	Length	Box Height	Width	DESIGN Q100	Pipe Size (in)	CAP Q100	FULL V	PARTIAL V	PARTIAL FLOW %	FLOW CHY. No.	K	R(ft)	R <sup>2</sup> /3	Flow Area	FULL S	DESIGN HGL Rise	HGL Number	
LINE 8	283.62	248	35.62		100	48	318.94	7.96	7.00	0.31	0.88	1.0000	1.0000	1.0000	12.5664	0.0048	0.0493	0.1726	520.50
Junction Loss	436.55	283.62	152.93		100	48	99.52	7.96	7.96	1.00	1.00	1.0000	1.0000	1.0000	12.5664	0.0048	0.0048	0.7412	521.41

**LINE TABLE**

LINE	LENGTH	BEARING
L1	316.46'	N84°46'44"W
L2	166.47'	N73°37'47"W

**CURVE TABLE**

CURVE	LENGTH	RADIUS	TANGENT	CH BRG	CH DIST	DELTA
C1	19.46	100.00	9.76	N78°12'16"W	19.43	11°08'57"



**RECORD DRAWINGS:**  
 THE INTENT OF THE OWNER AND ENGINEER WAS TO CONSTRUCT THESE FACILITIES ACCORDING TO THESE PLANS AS APPROVED BY THE CITY OF ROCKWALL. THE LINES AND GRADES WERE SET ON THE GROUND FOR CONSTRUCTION ACCORDING TO SAID PLANS. THE CITY OF ROCKWALL INSPECTED THE CONSTRUCTION. THE OWNER NOR ENGINEER DID NOT VERIFY LINES OR GRADES AFTER CONSTRUCTION. WE ARE NOT AWARE OF ANY CHANGES OR REVISIONS TO THESE PLANS DURING CONSTRUCTION EXCEPT AS NOTED 4/16/02

**STORM SEWER PLAN & PROFILE**  
**LINE 8**  
**LAKEVIEW SUMMIT PHASE 1A**  
 CITY OF ROCKWALL, COUNTY OF ROCKWALL

REVISION
W.L.D.
CHECKED
K.E.B.
DRAWN
8/21/00
DATE
9910-1ASTM5
PROJECT