

Storm Sewer Design

*Use C=0.75 Q₁₅ + 3.5 * A

Contributing Line	Contributing Area	Additional Drainage Area (Ac)	Total D.A. (Ac)	Tc (min.)	I ₂₅ ("/hr)	Q ₂₅ (cfs)
Existing 2-7x3 Box Culv	E _g (Offsite)	55.8	55.8	15	5.8	243
Line D "2.8"	E _{1/2}	1.3	57.1	"	"	248
Line D "2.9"	E _{1/2}	1.5	58.6	"	"	255
Line D "3.0"	E _{1/2}	1.3	59.9	"	"	261
Line D "3.1"	E _{1/2}	0.25	60.15	"	"	262
Line D "3.2"	E _{1/2} , E _s , E _a , E _{1/10} , E _{1/10}	7.7	67.85	"	"	295
Line D "3.3"	E _{1/2}	0.25	68.10	"	"	296
Line D "3.4"	E _{1/10}	1.24	69.34	"	"	302
Line D "3.5"	E _{1/5}	1.16	70.50	"	"	307
Line D "3.6"	E _{1/10}	1.24	71.74	"	"	312
Line D "3.7"	E _{1/10}	1.24	72.98	"	"	317
Line D "3.8"	E _{1/5}	1.16	74.14	"	"	323
Line D "3.9"	E _{1/10}	1.24	75.38	"	"	328
Line D "4.0"	E _{1/5}	1.24	76.62	"	"	333
Line D "4.1" + D "4.2"	E _{1/10} , E _{1/5}	2.4	79.02	"	"	344
Line D "4.3"	E _{1/10}	1.24	80.26	"	"	349
Line D "4.4"	E _{1/10} , E _{1/10}	2.48	82.74	"	"	360
Line D "4.5"	E _{1/5}	1.16	83.9	"	"	365

Bench Marks

□ Top of Curb at the Center of a 10' Inlet and 75' West of Centerline Commercial at N. Side of Belt Line Road. Elevation: 580.83

□ Top of Concrete Footing at NW Corner, Tower # 12N-3W-T288 Elevation: 605.20

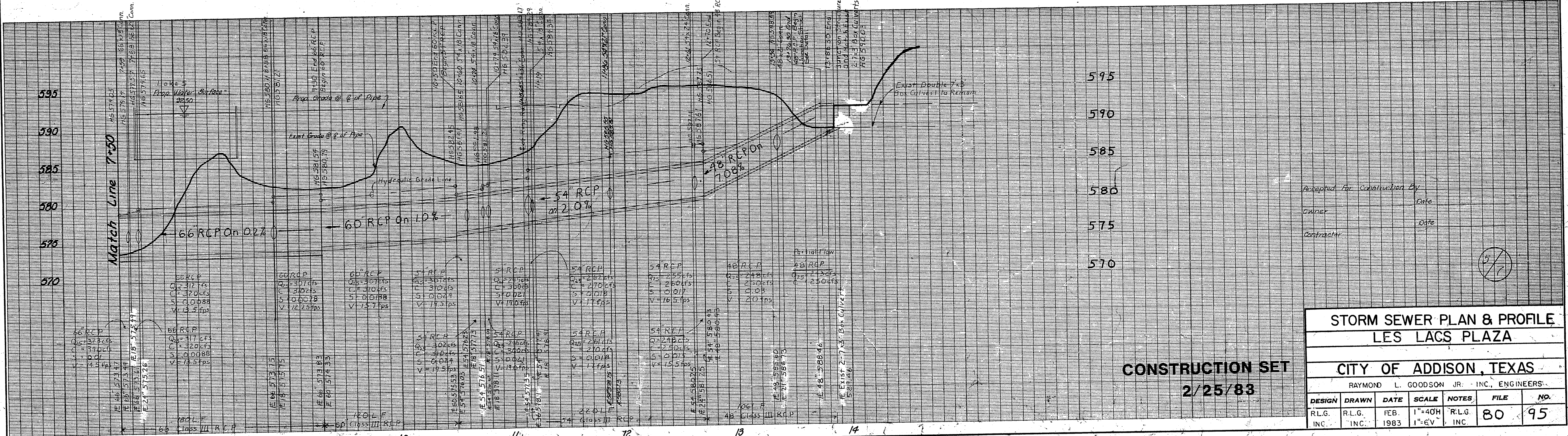
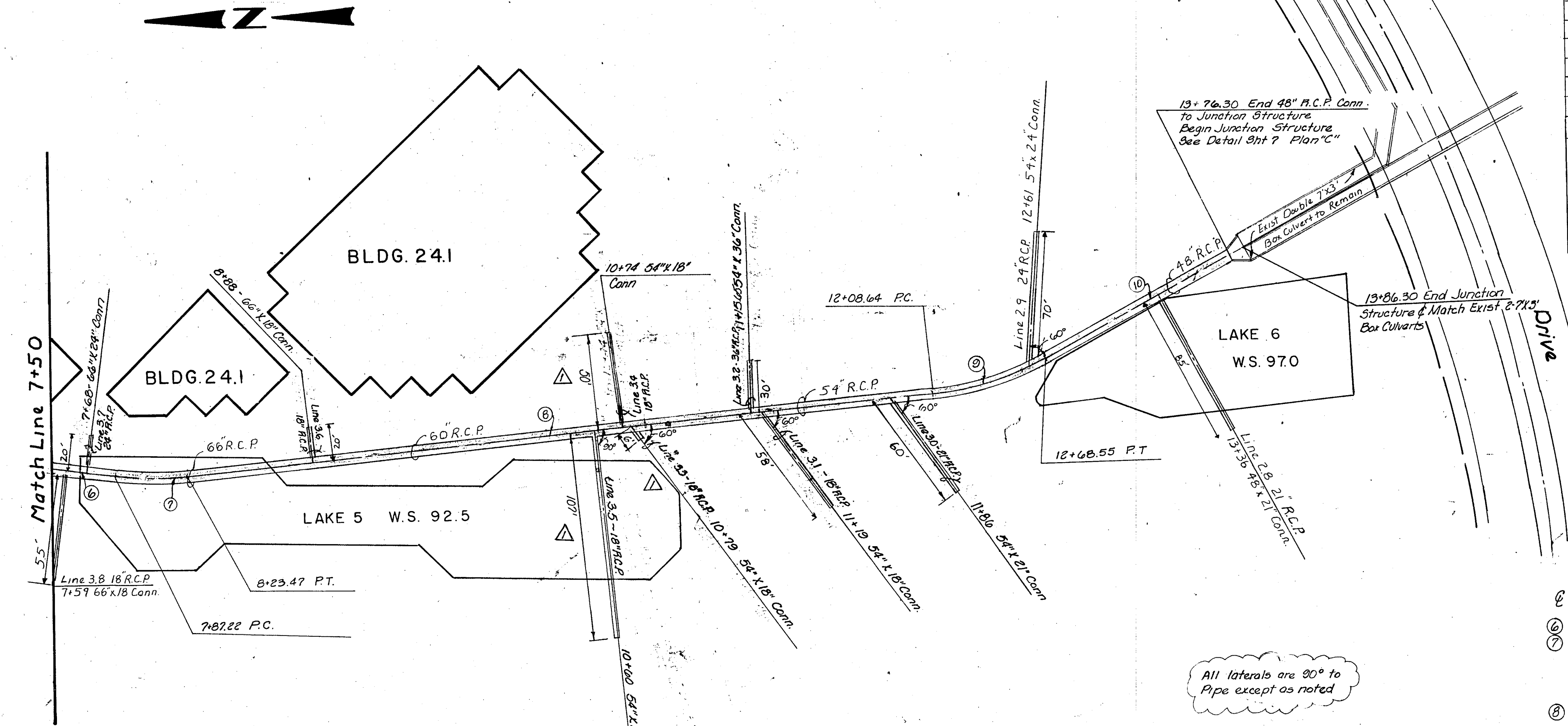
Storm Sewer Data

- ⑥ 90° 45' 01" W 53.78'
- ⑦ A = 13° 50' 40" P = 120.00' T = 18.21' L = 36.85'
- ⑧ 906° 05' 39" E 385.17'
- ⑨ A = 28° 53' 03" P = 150.00' T = 30.36' L = 59.91'
- ⑩ 628° 58' 42" E 117.75'

AS BUILT
DATE 11/23/83

All laterals are 90° to Pipe except as noted

Revision 5/1/83 - Revised Lines "D3.3" "D3.4" & "D3.5" to Avoid Conflict w/ Bldg Road. No Change in 18" Piping Quantities.



Accepted for Construction By
Owner _____ Date _____
Contractor _____ Date _____

STORM SEWER PLAN & PROFILE
LES LACS PLAZA

CONSTRUCTION SET
2/25/83

CITY OF ADDISON, TEXAS
RAYMOND L. GOODSON JR., INC., ENGINEERS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RLG.	RLG.	FEB. 1983	1"=40'	RLG.	80	95
INC.	INC.		1"=6'	INC.		