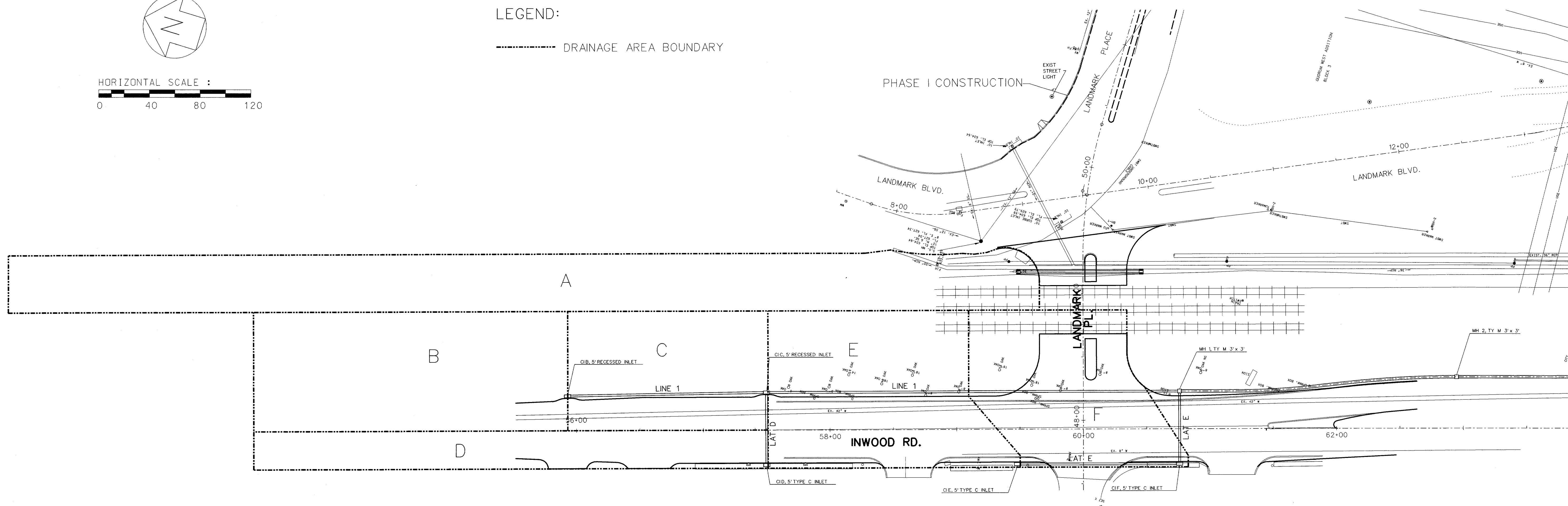


HORIZONTAL SCALE :
0 40 80 120

LEGEND:
----- DRAINAGE AREA BOUNDARY



RUNOFF COMPUTATIONS

DA ID	TOTAL AREA AC	Total CA	WEIGHTED C	SUB-AREA			Tc Min.	I-25 IN/HR	Q-25 CFS
				PAVING C=0.95 AC	COMMERCIAL C=0.95 AC	RAILROAD YARD C=0.40 AC			
A	0.847	0.339	0.40			0.847	15	7.77	2.63
B	0.536	0.284	0.53	0.126		0.410	15	7.77	2.21
C	0.341	0.194	0.57	0.105		0.236	15	7.77	1.51
D	0.280	0.266	0.95	0.219	0.060		15	7.77	2.06
E	0.481	0.314	0.65	0.206	0.015	0.260	15	7.77	2.44
F	0.378	0.314	0.83	0.289	0.007	0.081	15	7.77	2.44

STORM SEWER COMPUTATIONS

LINE	FROM	TO	DRAINAGE AREA NO	TOTAL D.A. (AC)	TOTAL C A	LGTH (FT)	TIME OF CONCENTRATION (MINUTES)		FREQ (YRS)	I-25 (IN/HR)	Q-25 (CFS)	DESIGN			REMARKS		
							ALONG SEWER LINE	INLET TIME				USED IN DES	DIA. (IN)	SLOPE PIPE %		H.G.	CAP. (CFS)
LINE 1	CIB	CIC	B	0.54	0.28	157.08						18	0.82	627.52	10.30	4.73	
	CIC	MH 1	B-D	1.16	0.74	326.00			15.0	25	7.77	18	0.86	627.46	10.53	5.94	
	MH 1	MH 2	B-F	2.02	1.37	216.48			15.0	25	7.77	24	0.60	626.62	18.98	4.93	
	MH 2	EX. MH	B-F	2.02	1.37	292.51			15.0	25	7.77	24	0.85	626.20	22.59	4.93	
LAT D	CID	CIC	D	0.28	0.27	59.33			15.0	25	7.77	18	0.84	627.51	10.43	4.63	
LAT E	CIE	CIF	E	0.48	0.31	128.09			15.0	25	7.77	18	0.46	626.82	7.72	3.83	
	CIF	MH 1	E-F	0.86	0.63	59.33			15.0	25	7.77	18	0.73	626.76	9.72	5.52	
														626.65			

STATE OF TEXAS
WEIDONG LI
84718
LICENSED PROFESSIONAL ENGINEER
Weidong Li
5/12/03

INLET COMPUTATIONS

INLET NO.	LOCATION	DA NO.	CA	RUNOFF COMPUTATIONS				CURB INLET DESIGN														REMARKS		
				TIME OF CONCENTRATION ACTUAL (MIN)	DESIGN (MIN)	DESIGN FREQ. (YRS)	I (IN/HR)	Qa (CFS)	CARRY OVER (CFS)	TOTAL Qa (CFS)	Z	Z/N	S (%)	Y (FT)	PONDED WIDTH Y*Z (FT)	A (FT)	QI (CFS)	La=Qa/QI	L (FT)	L/La	A/Y		Q/Qa	Q (CFS)
B	55+93.00, 25.55' LT	B	0.284	15.0	25	7.77	2.20	0.00	2.20	50	3846	0.80	0.19	9.4	0.42	0.65	3.4	5	1.47	2.25	1.00	2.20	0.00	
C	57+50.00, 28.00' LT	C	0.194	15.0	25	7.77	1.51	0.00	1.51	50	3846	0.80	0.16	8.1	0.42	0.62	2.4	5	2.06	2.59	1.00	1.51	0.00	
D	57+50.00, 28.00' RT	D	0.266	15.0	25	7.77	2.06	0.00	2.06	50	3846	0.80	0.18	9.1	0.42	0.64	3.2	5	1.56	2.30	1.00	2.06	0.00	
E	59+48.00, 28.00' RT	E	0.314	15.0	25	7.77	2.44	0.00	2.44	50	3846	1.18	0.18	9.0	0.42	0.64	3.8	5	1.31	2.32	1.00	2.44	0.00	
F	60+76.00, 27.63' RT	F	0.314	15.0	25	7.77	2.44	0.00	2.44	50	3846	1.18	0.18	9.0	0.42	0.64	3.8	5	1.31	2.33	1.00	2.44	0.00	



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DRAINAGE AREA MAP

INWOOD CONNECTION
DEPARTMENT OF PUBLIC WORKS
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NUMBER
W.L.	C.W.W.	05/12/03				11

File: DAM

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