

DRAINAGE AREA MAP
SCALE : 1" = 100'

- LEGEND**
- G DRAINAGE AREA NO.
 - G INLET NO.
 - STA STATION
 - LT LEFT
 - RT RIGHT
 - RDWY ROADWAY
 - ▣ EXIST. INLET
 - ▣ PROPOSED INLET

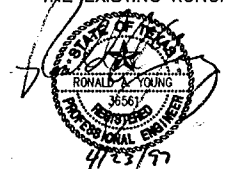
THE AREA OF DISTURBED SOIL ON THIS PROJECT IS LESS THAN 5.0 ACRES. NO STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED. HAY BALES AND SILT FENCES WILL BE UTILIZED AT THE DIRECTION OF THE ENGINEER.

TXDOT CRITERIA
C = 0.9 (COMMERCIAL)
t_c = 10 MIN.
S = 6.89 (DALLAS COUNTY)

* NOTE : EXISTING DRAINAGE PATTERNS ARE NOT BEING CHANGED. THE EXISTING DRAINAGE SYSTEM OF THE TOWN OF ADDISON WILL NOT BE CHANGED. THE EXISTING INLETS AND STORM DRAINS ARE ADEQUATE TO HANDLE THE EXISTING RUNOFF.

RUNOFF & INLET COMPUTATIONS

DRAINAGE AREA NO.	INLET NO.	LOCATION	TOTAL AREA	RDWY C	TOTAL CA	TIME OF CONCEN (min)	STORM YEAR	INTEN. I (iph)	Q (cfs)	ADDED CARRY OVER	TOTAL Q (cfs)	Z	Z/n	S (%)	DEPTH OF FLOW IN GUTTER (ft)	PONDED WIDTH Y*Z	GUTTER DROP AT INLET A (ft)	q _i (cfs/ft)	L _r (ft)	L _a (ft)	L _a /L _r	A/Y	Q _i /Q _a	Q CAPTURED BY INLET	CARRY OVER	REMARKS
A		MIDWAY 8+21.59 RT	1.65	0.9	1.49	10	5	6.89	10.2		10.2	48	3200	2.08	0.29	13.9	0.42	0.60	17.0	20	1.17	1.45	1.0	10.2		NEW 20' REC. INLET
B		MIDWAY 8+50 LT	0.50		0.45	10	5		3.1		3.1	48	3200	2.40	0.18	8.6	0.42	0.52	6.0	10	1.7	2.33	1.0	3.1		EX. 10' REC. INLET
C		BELT LINE RD.	0.80		0.72	10	5		5.0		5.0	48	3200	2.18	0.22	10.6	0.42	0.56	8.4	10	1.19	1.91	1.0	4.7	0.3	EX. 10' REC. INLET
D		BELT LINE RD.	1.85		1.67	10	5		11.5		11.5	48	3200	2.40	0.29	13.9	0.42	0.64	18.0	14	0.78	1.62	0.86	9.9	1.6	EX. 14' REC. INLET *
E		MIDWAY RD.	0.60		0.54	10	5		3.7		3.7	48	3200	0.83	0.24	11.5	0.42	0.58	6.4	10	1.56	1.75	1.0	3.7		EX. 10' REC. INLET
F		MIDWAY RD.	1.0		0.9	10	5		6.2		6.2	48	3200	0.83	0.26	12.4	0.42	0.64	9.7	10	1.03	1.62	1.0	6.2		EX. 10' REC. INLET
G		QUORUM 10+62 RT	0.70		0.63	10	5		4.3		4.3	48	3200	1.68	0.22	10.5	0.42	0.56	7.7	10	1.30	1.91	1.0	4.3		EX. 10' REC. INLET
H		QUORUM 10+45 LT	0.75		0.68	10	5		4.7		4.7	48	3200	1.47	0.23	11.0	0.42	0.60	7.8	10	1.28	1.68	1.0	4.7		EX. 10' REC. INLET
I		BELT LINE RD.	0.90		0.81	10	5		5.6		5.6	48	3200	1.50	0.25	12.0	0.42	0.60	9.3	14	1.08	1.68	1.0	5.6		EX. 10' REC. INLET
J		BELT LINE / QUORUM	1.80		1.62	10	5		11.2		11.2	48	3200	1.50	0.29	13.9	0.42	0.62	17.7	10	0.79	1.45	0.86	9.6	1.6	EX. 14' REC. INLET *
K		BELT LINE RD.	1.0		0.9	10	5		6.2		6.2	48	3200	1.25	0.26	12.4	0.42	0.64	9.7	10	1.03	1.62	1.0	6.2		EX. 10' REC. INLET
L		BELT LINE RD.	1.0		0.9	10	5		6.2		6.2	48	3200	1.25	0.26	12.4	0.42	0.64	9.7	10	1.03	1.62	1.0	6.2		EX. 10' REC. INLET
M		BELT LINE RD.	0.35		0.32	10	5		2.2		2.2	48	3200	0.7	0.22	10.5	0.42	0.56	3.9	10	2.56	1.91	1.0	2.2		EX. 10' REC. INLET
N		BELT LINE RD.	0.40		0.36	10	5		2.5		2.5	48	3200	0.7	0.22	10.5	0.42	0.56	4.5	10	2.22	1.91	1.0	2.5		EX. 10' REC. INLET
O		QUORUM	0.30		0.27	10	5		1.9		1.9	48	3200	1.49	0.17	8.2	0.42	0.56	3.4	10	2.94	2.21	1.0	1.9		EX. 10' REC. INLET
P		QUORUM	0.30		0.27	10	5		1.9		1.9	48	3200	1.46	0.17	8.2	0.42	0.56	3.4	10	2.94	2.21	1.0	1.9		EX. 10' REC. INLET



BARTON-ASCHMAN ASSOCIATES, INC.

**DRAINAGE AREA MAP
RUNOFF & INLET COMPUTATIONS**
ADDISON TRANSIT PASS
ADDISON, TEXAS

Texas Department of Transportation		DART	
REVISION	DATE	FED. ROAD DIV. No.	FEDERAL AID PROJECT NO.
		6	CM 97 (449)
		STATE	STATE DIST.
		TEXAS	DALLAS
		COUNTY	DALLAS
DESIGNED BY:	R.A.Y.	CONTRACT NO.	8050
DRAWN BY:	B-A	SECTION	18
CHECKED BY:	L.M.P.	JOB NO.	034
		HIGHWAY No.	BELT LINE RD
		BA FILE NAME :	
		SHEET No.	32