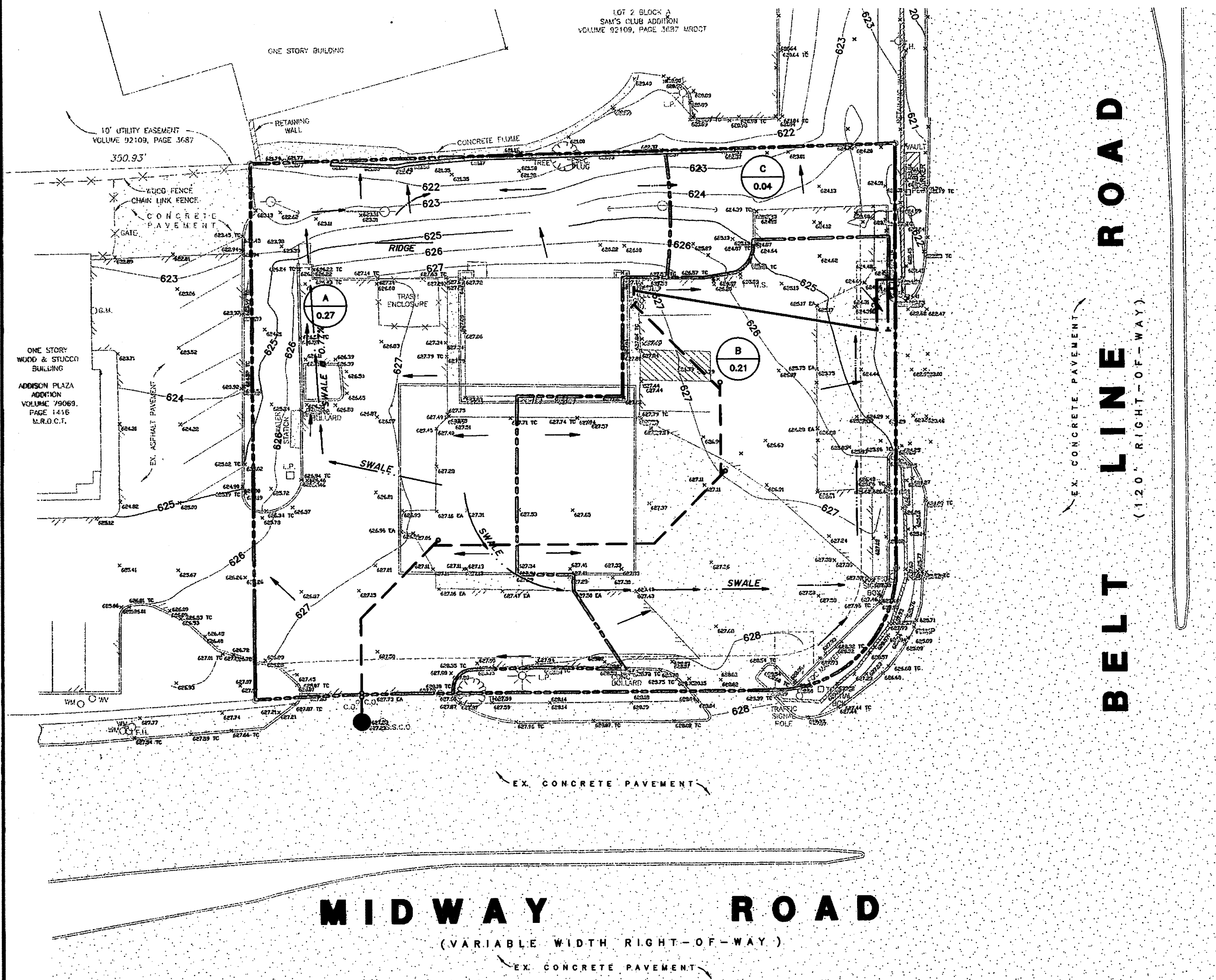


EXISTING DRAINAGE AREAS



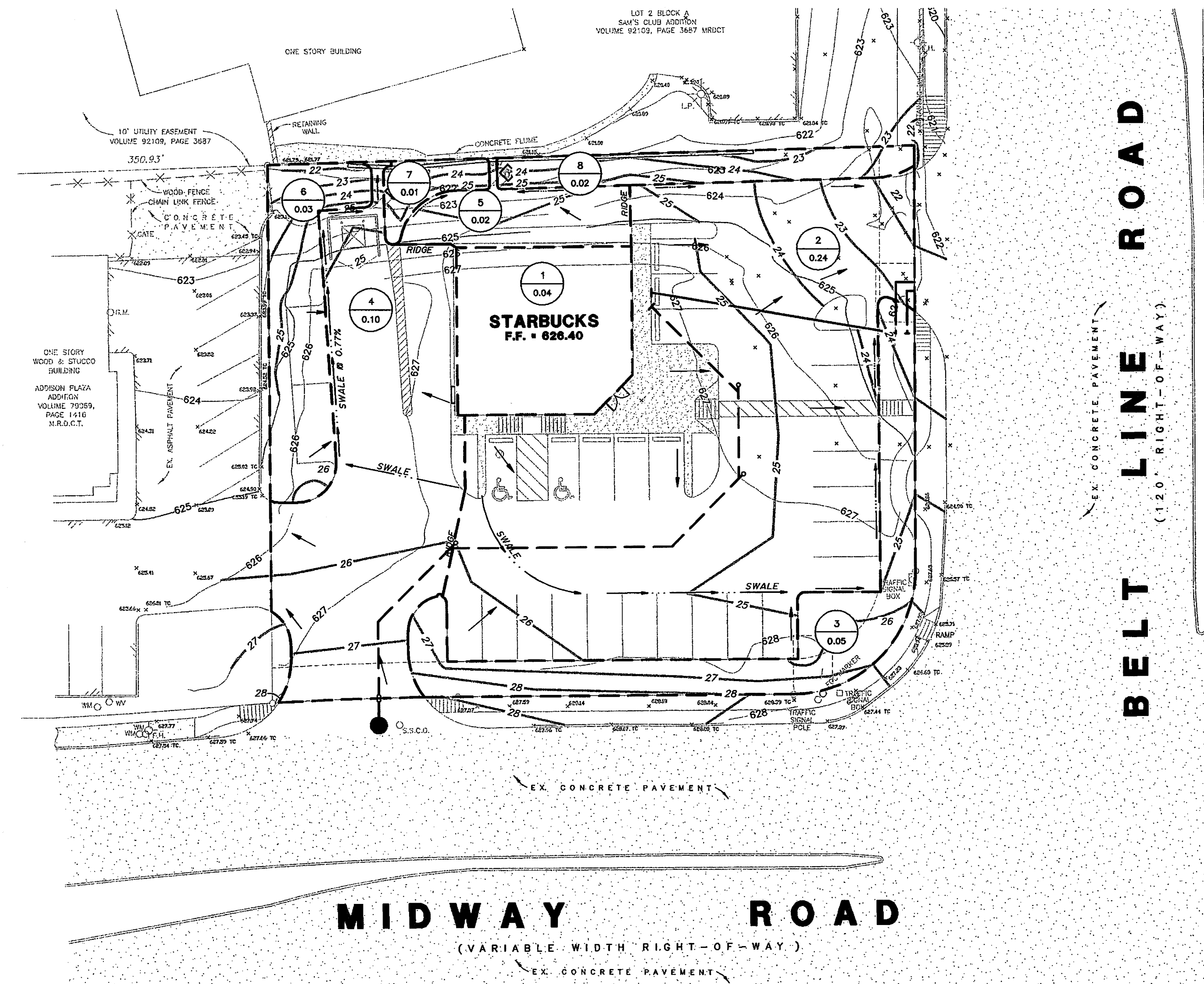
EXISTING HYDRAULIC DATA
 $Q = C \times I_{100} \times A$

DRAINAGE AREA DESIG.	AREA (ACRES) A	RUNOFF COEFF. C	TIME OF CONC. T _c	INTENSITY 100 I ₁₀₀	QUANTITY 100 Q ₁₀₀	REMARKS
A	0.27	0.90	10.0	8.88	2.16	EX. CONC. FLUME AT SWC PROPERTY
B	0.21	0.90	10.0	8.88	1.68	SHEET FLOW TO BELT LINE RD.
C	0.04	0.90	10.0	8.88	0.32	SHEET FLOW TO DUKE'S PROPERTY

LEGEND

- 677 EXIST. CONTOURS
- 53 PROP. CONTOURS
- EXIST. DRAINAGE DIVIDE
- PROP. DRAINAGE DIVIDE
- EXIST. DRAINAGE AREA NO. ACREAGE
- PROP. DRAINAGE AREA NO. ACREAGE
- DIRECTION OF FLOW

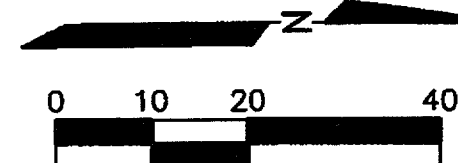
PROPOSED DRAINAGE AREAS



PROPOSED HYDRAULIC DATA
 $Q = C \times I_{100} \times A$

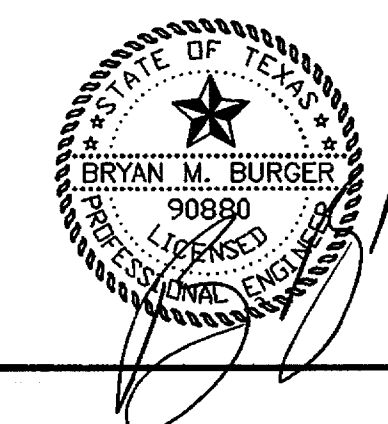
DRAINAGE AREA DESIG.	AREA (ACRES) A	RUNOFF COEFF. C	TIME OF CONC. T _c	INTENSITY 100 I ₁₀₀	QUANTITY 100 Q ₁₀₀	REMARKS
1	0.04	0.90	10.0	8.88	0.32	ROOF DRAINS
2	0.24	0.90	10.0	8.88	1.92	SHEET FLOW TO BELT LINE RD.
3	0.05	0.35	10.0	8.88	0.16	SHEET FLOW TO R.O.W.
4	0.10	0.90	10.0	8.88	0.80	3' CONCRETE FLUME
5	0.02	0.90	10.0	8.88	0.16	2' CONCRETE FLUME
6	0.03	0.35	10.0	8.88	0.09	EXIST. CONCRETE FLUME
7	0.01	0.35	10.0	8.88	0.03	EXIST. CONCRETE FLUME
8	0.02	0.35	10.0	8.88	0.06	EXIST. CONCRETE FLUME

BENCHMARK:
 CUT ON VAULT AT NORTHEAST CORNER OF THE INTERSECTION OF BELTLINE ROAD & MIDWAY ROAD. ELEVATION= 627.93'



AS BUILT
 DATE 3.17.06

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY
 BRYAN M. BURGER, P.E. 90880
 ON 7/22/05



REV.	DATE	REMARKS				
DRAINAGE AREA MAP						
STARBUCKS - ADDISON PLAZA ADDITION						
S.W.C. BELT LINE RD. & MIDWAY RD.						
THE TOWN OF ADDISON, TEXAS						
LAWRENCE A. CATES & ASSOC., LLP 14800 QUORUM DRIVE, SUITE 200 DALLAS, TEXAS		CONSULTING ENGINEERS (972) 385-2272				
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RM	RM	6/04	1"=20'	D.P.	23113 DAMAP	C-7