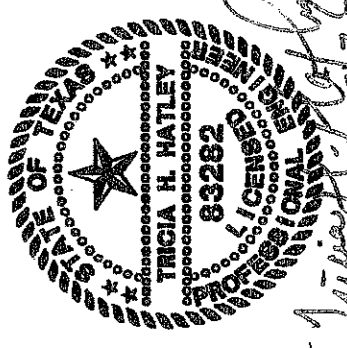


RECORD DRAWING
 BASED ON THE INFORMATION CONTAINED ON THE TITLE SHEET.
 DATE: 7-26-99
 NO. THH

THE SEAL APPEARING ON THIS DOCUMENT HAS BEEN SIGNED AND DATED BY THE ENGINEER, TRICK H. HATLEY, LICENSE NO. 63262, DATE: OCT. 6, 1988.



LEGEND

- DRAINAGE AREA BOUNDARY
- DESIGN POINT
- DRAINAGE AREA NUMBER / ACREAGE
- DIRECTION OF RUNOFF
- EXISTING CONTOURS
- PROPOSED CONTOURS

NOTES

1. DRAINAGE CALCULATIONS HAVE BEEN BASED ON CITY OF CARROLLTON STORM DRAINAGE DESIGN MANUAL.
2. REFER TO SHEET C-6, C-7 AND C-8 FOR SD PLAN AND PROFILES.

SYSTEM DRAINAGE CALCULATIONS

Design Point	Drainage Area	Area (acres)	Roughness Coef.	Incl. CA (acres)	Accum. CA (acres)	Storm Frequency	Tc (min)	Intensity (in/hr)	Flow (cfs)	Comments
SD LINE A										
OA1	OA1	24.00	0.83	20.02	20.02	100	12.90	8.17	164.87	NORTH CONDOS, ATHLETIC CENTER, AND SOJOURN
A1	OA1+GIA1	0.93	1.00	0.93	20.95	100	12.82	8.14	171.86	GRATE INLET
OA2-3	OA2+OA3+A1	3.00	1.00	3.00	23.95	100	13.01	8.04	194.06	OFFSITE W/VE INLET
A2	ClA2+OA1+OA2-3	4.89	1.50	6.06	28.81	100	13.87	7.87	234.77	CURB INLET + OFFSITE W/VE INLET
A3	ClA3+OA1+OA2	1.52	1.00	1.52	31.15	100	14.02	7.77	243.84	CURB INLET + OFFSITE SHEET FLOW
A4	ClA4+A3	0.49	1.00	0.49	31.62	100	14.14	7.74	246.85	CURB INLET
A6	ClA5+OA6+OA7a+OA7b+OA8+AA	11.21	1.00	11.21	42.83	100	14.90	7.54	325.74	CURB INLET + AIRBORNE DRIVE + FUTURE DEVELOPMENT
A7	A6	0.00	1.00	0.00	42.83	100	15.81	7.42	320.51	OUTLET TO DETENTION POND
SD LINE B										
B1	B1	1.17	1.00	1.17	1.17	100	10.00	8.82	10.40	CURB INLET
B2	B2+B1	1.36	1.00	1.36	2.53	100	10.87	8.59	21.92	CURB INLET
B3	B2	0.00	1.00	0.00	2.53	100	11.89	8.94	21.19	OUTLET TO DETENTION POND

On-Site Inlet Calculations

Area Designation	Design Point	Area (acres)	Tc (min)	CFC	CFCa (acres)	I _a (in/hr)	Q ₁₀₀ (cfs)	Comments
SD Line A								
A1	GIA1	0.93	10	1.00	0.93	8.82	8.27	GRATE INLET
A2	GIA2	1.96	10	1.00	1.96	8.82	13.87	CURB INLET
A3	ClA3	1.52	10	1.00	1.52	8.82	13.51	CURB INLET
A4	ClA4	0.49	10	1.00	0.49	8.82	4.36	CURB INLET
A5	ClA5	1.61	10	1.00	1.61	8.82	14.31	CURB INLET
SD Line B								
B1	CIB1	1.17	10	1.00	1.17	8.82	10.40	CURB INLET
B2	BB2	1.36	10	1.00	1.36	8.82	12.09	CURB INLET
Sheet-Flow to Pond								
C	C	1.27	10	1.00	1.27	8.82	11.20	FLOW TO POND
Flow to Sojourn Drive								
D	OA1	0.01	10	1.00	0.01	8.82	0.09	FLOW TO SOJOURN DR.
E	OA1	0.04	10	1.00	0.04	8.82	0.35	FLOW TO SOJOURN DR.

OMNIPLAN ARCHITECTS
SOJOURN OFFICE CENTER
 ADDISON, TEXAS

SITWORK PLANS
ONSITE DRAINAGE AREA MAP

NO. REVISION	DATE	BY	FILE	DATE	DESIGNED	DRAWN	CHECKED	THH
1	4/30/99	MW	206Dannap	7-26-99				
2	6/3/99	MW						

NO. REVISION: 1 PER CONTRACTOR REV. 1" AND 2" REVISIONS PER FINISHING FF 1 FOOT

NO. REVISION: 2 PER CONTRACTOR REV. 1" AND 2" REVISIONS PER FINISHING FF 1 FOOT

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"AS-BUILTS"