



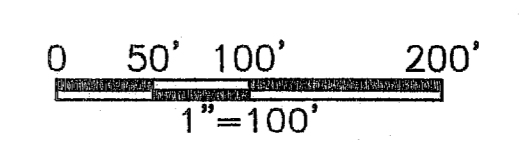
**FREE • NICHOLS**  
 1341 W. Washington Lane • Suite 230-E  
 Dallas, Texas 75247  
 214-920-2500

OMNIPLAN ARCHITECTS  
**SOJOURN OFFICE CENTER**  
 ADDISON, TEXAS  
 SITWORK PLANS  
**OFFSITE DRAINAGE AREA MAP**

NO. REVISION	DATE	BY	CHKD.	FILE	DATE	DESIGNED	MDW	SAAM	THH
1	4/25/99	MDW		208dmap01f	7-26-99				
PER CONTRACTOR REF. 1" AND 3"									
SHEET					C-4				
SEQ.					7 of 16				

**RECORD DRAWING**  
 BASED ON THE INFORMATION  
 SUPPLIED BY THE CLIENT  
 DATED 5-2-00 TO: THH

THE SEAL APPROVED ON THIS DOCUMENT  
 WAS SIGNED, SCALED AND DATED BY  
 ENGINEER THOMAS M. HATFIELD  
 ENGINEER REGISTRATION NO. 83283  
 DATE: OCT. 6, 1999



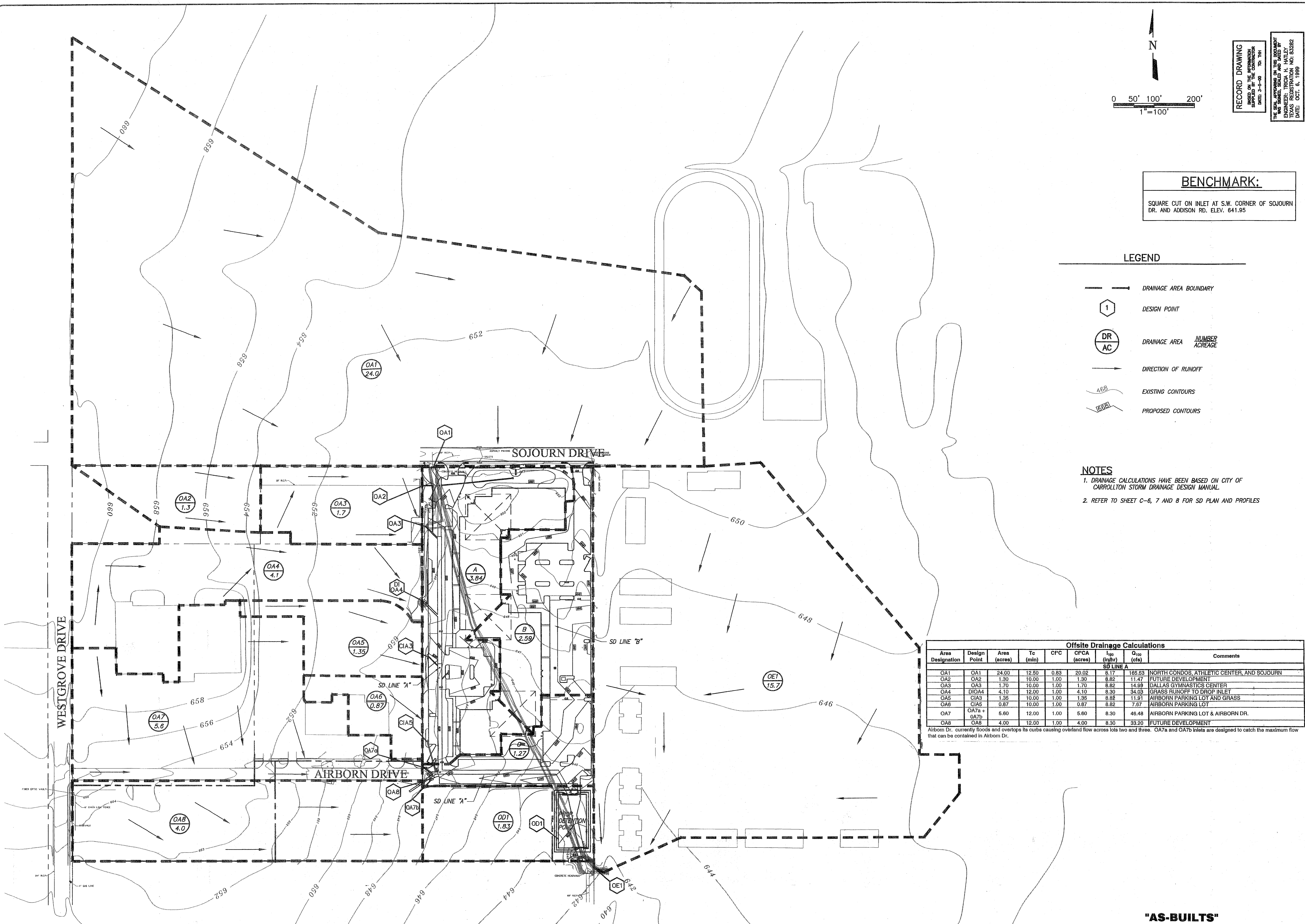
**BENCHMARK:**  
 SQUARE CUT ON INLET AT S.W. CORNER OF SOJOURN  
 DR. AND ADDISON RD. ELEV. 641.95

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

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

Offsite Drainage Calculations								Comments
Area Designation	Design Point	Area (acres)	Tc (min)	CFC	CFA (acres)	Tsp (in/hr)	Q <sub>100</sub> (cfs)	
SD LINE A								
OA1	OA1	24.00	12.50	0.83	20.02	8.17	165.53	NORTH CONDOS, ATHLETIC CENTER, AND SOJOURN
OA2	OA2	1.30	10.00	1.00	1.30	8.82	11.47	FUTURE DEVELOPMENT
OA3	OA3	1.70	10.00	1.00	1.70	8.82	14.99	DALLAS GYMNASIUMS CENTER
OA4	DIOA4	4.10	12.00	1.00	4.10	8.30	34.03	GRASS RUNOFF TO DROP INLET
OA5	CIA3	1.35	10.00	1.00	1.35	8.82	11.91	AIRBORN PARKING LOT AND GRASS
OA6	CIA5	0.87	10.00	1.00	0.87	8.82	7.87	AIRBORN PARKING LOT
OA7	OA7a + OA7b	5.60	12.00	1.00	5.60	8.30	46.48	AIRBORN PARKING LOT & AIRBORN DR.
OA8	OA8	4.00	12.00	1.00	4.00	8.30	33.20	FUTURE DEVELOPMENT

Airborn Dr. currently floods and overtops its curbs causing overland flow across lots two and three. OA7a and OA7b inlets are designed to catch the maximum flow that can be contained in Airborn Dr.



**"AS-BUILTS"**