

**BENCHMARKS**  
 TEXAS DEPT. OF TRANSPORTATION GPS MONUMENT "COC 6"  
 STATION IS A 2" BRASS DISK SET IN CONCRETE ON TOP OF  
 CURB INLET LOCATED 42' WEST OF THE CL OF MIDWAY RD. &  
 520' SOUTH OF TRINITY MILLS ROAD.  
 LAT. 32°59'09.23628"N, LONG. 96°50'32.20897"W, ELEV. 664.710'  
 TOWN OF ADDISON GPS MONUMENT "AA-6"  
 STATION IS A 3" ALUMINUM DISK SET IN CONCRETE AT THE  
 SOUTH RADIUS POINT OF A 3' WIDE TRAFFIC ISLAND IN THE  
 TOWN OF ADDISON SERVICE CENTER COMPOUND.  
 LAT. 32°58'51.522"N, LONG. 96°50'23.8757"W, ELEV. 652.26'



**ABBREVIATIONS LEGEND**  
 MIN. FF = MINIMUM FINISHED FLOOR ELEV.  
 RCP = REINFORCED CONCRETE PIPE (DRAINAGE)  
 TR = TELEPHONE RISER  
 WV = WATER VALVE  
 FH = FIRE HYDRANT  
 SSMH = SANITARY SEWER MANHOLE  
 PP = POWER OR UTILITY POLE  
 OHE = OVERHEAD POWER OR UTILITY LINE  
 ROW = RIGHT-OF-WAY  
 CL = CENTERLINE  
 PL = PROPERTY LINE  
 BL = BUILDING LINE  
 DE = DRAINAGE EASEMENT  
 UE = UTILITY EASEMENT  
 SSE = SANITARY SEWER EASEMENT  
 WE = WATER LINE EASEMENT  
 TUE = T.U. UTILITY EASEMENT

**PRELIMINARY**  
 NOT FOR CONSTRUCTION!!!

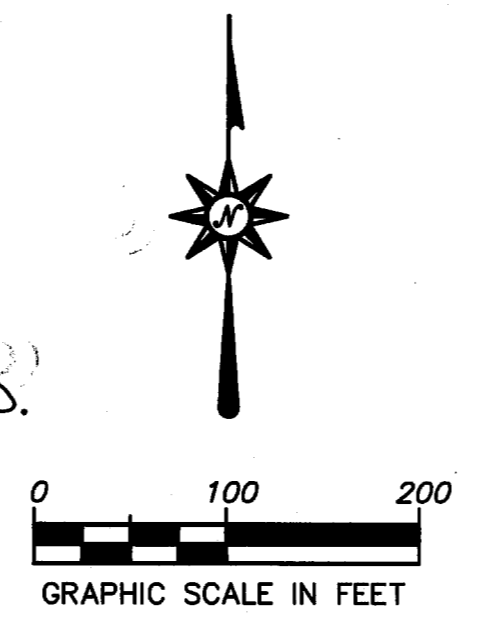
**DRAINAGE CALCULATIONS**

AREA NO.	ACRES	C	Tc	I <sub>so</sub>	Q <sub>so</sub>	I <sub>100</sub>	Q <sub>100</sub>	PICK-UP POINTS		
								Inlet 1	Inlet 2	To DA
A	2.73	0.40	15	5.46	6.0	7.52	8.2	A-7		
B	1.68	0.90	10	6.36	9.6	8.74	13.2	A-6		
C	0.91	0.90	10	6.36	5.2	8.74	7.2	A-3		
D	1.49	0.90	10	6.36	8.6	8.74	11.8	A-5		
E	1.56	0.90	10	6.36	8.9	8.74	12.2	A-4		
F	1.45	0.90	10	6.36	8.3	8.74	11.4	A-1		
G	1.61	0.90	10	6.36	9.2	8.74	12.7	A-2		
H	0.55	0.90	10	6.36	3.1	8.74	4.3			C

526

STORM SEWER SYSTEMS THAT CROSS LOTS WILL NEED A DEDICATED EASEMENT.

IF RETENTION IS NOT PROVIDED, A FLOOD STUDY OF HUTTON BRANCH FROM THE ELM FORK OF THE TROTON RIVER TO THE UPPER LIMITS WILL BE REQUIRED.



**RATIONAL METHOD**  
 Q=CIA  
 Q ~ Flow (c.f.s.)  
 C ~ Runoff Coefficient  
 I ~ Intensity (in./hr.)  
 A ~ Drainage Area (Acres)

**OWNER & DEVELOPER**  
**S & B INVESTMENTS**  
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 CONTACT: VIC SAHM

**LEGEND**

- (X) 5.3 PROPOSED AREA DESIGNATION
- 100-yr POST-DEVELOPMENT RUNOFF (C.F.S.)
- PROPOSED DRAINAGE AREA DIVIDE
- (X-1) DESIGN POINT/INLET NUMBER
- 460--- EXISTING CONTOURS
- >--- DIRECTION OF FLOW
- EASEMENT
- >--- PROPOSED DRAINAGE SWALE
- [ ]--- PROPOSED STORM SEWER W/ INLET
- [ ]--- EXISTING STORM SEWER W/ INLET

NO.	REVISIONS NUMBER	BY	DATE
1	Submitted to the Town of Addison	CAC	07/26/07

**PEAK XV**  
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 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY  
 CECIL A. CHESHER, P.E. #92674

**PRELIMINARY DRAINAGE PLAN**  
 (LOT 2, BLOCK A) RE-PLAT OF  
 BELTWOOD NORTH - AIRPORT ADDITION  
 TOWN OF ADDISON, DALLAS COUNTY, TEXAS

JOB NUMBER: 18-0701  
 SHEET NUMBER: 1

2007-12