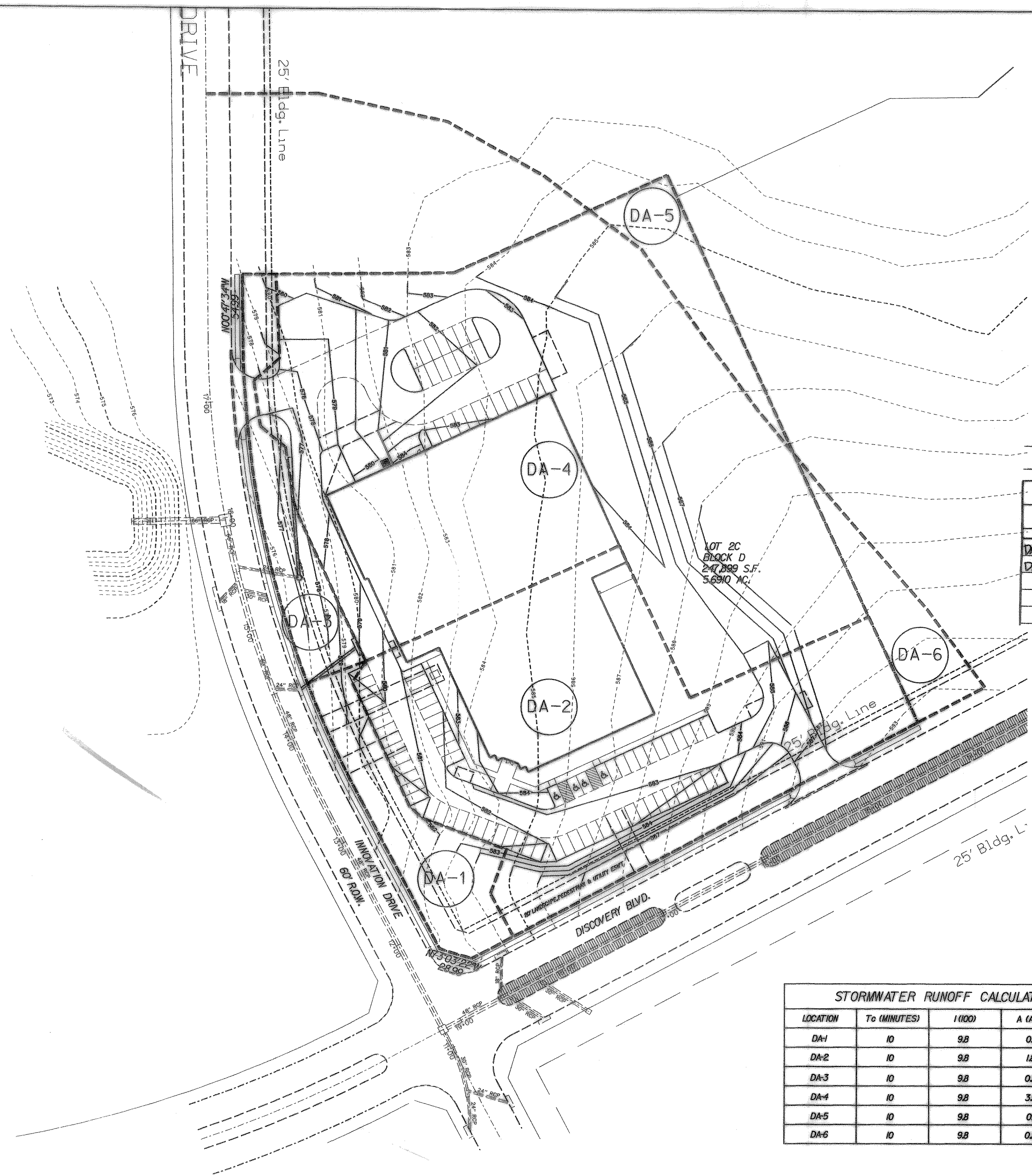
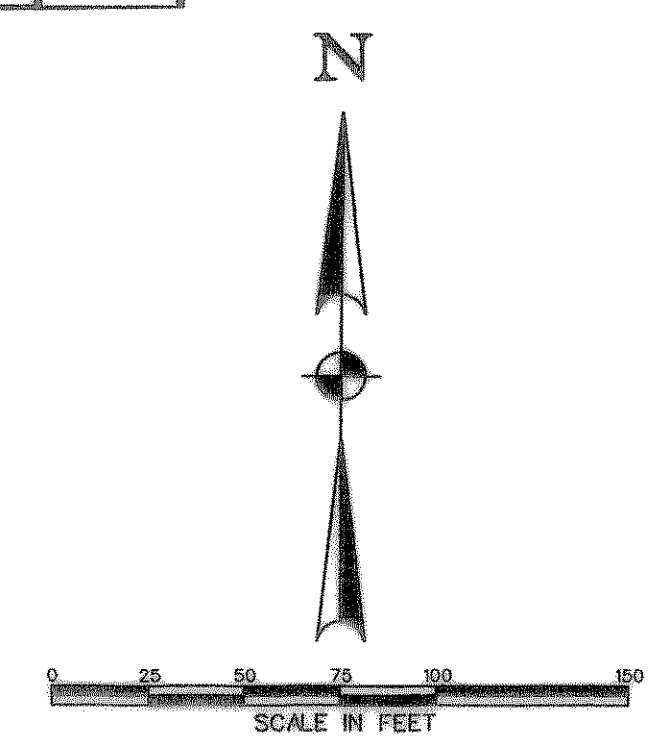




INLET DESIGN CALCULATIONS

BY _____
DATE _____

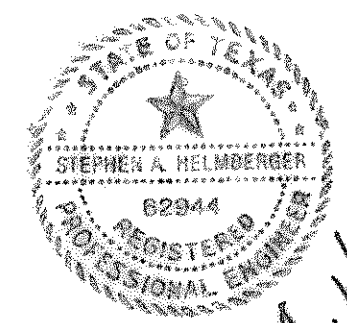
INLET		Design Storm Frequency (yrs.)	AREA RUNOFF Q = CIA					Carry-Over From Upstream Inlet (c.f.s.)	Total Gutter Flow (c.f.s.)	Gutter Capacity (c.f.s.)	Gutter Slope (ft./100ft.)	Crown Type	SELECTED INLET		Carry-Over To Downstream Inlet (c.f.s.)
No.	Location	3	Time Of Conc. (min.)	Intensity (in./hr.)	Runoff Coeff. C	Area (Ac.)	Q (c.f.s.)	8	10	11	12	13	Length "L" (Feet)	Type	16
DA-2	PIPELINE SWILL	100	10	9.8	0.10	1.88	12.9	0	12.9	32	0.02	1/4" PT	15'	STD	0
DA-4	PIPELINE SWILL	100	10	9.8	0.10	3.04	20.9	0	20.9	32	0.02	1/4" PT	15'	STD	0



AS-BUILT 03-11-02

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STORMWATER RUNOFF CALCULATIONS (100 YR STORM)					
LOCATION	To (MINUTES)	I (100)	A (ACRES)	C	Q100
DA-1	10	9.8	0.31	0.70	21 CFS
DA-2	10	9.8	1.88	0.70	129 CFS
DA-3	10	9.8	0.26	0.70	18 CFS
DA-4	10	9.8	3.04	0.70	209 CFS
DA-5	10	9.8	0.19	0.70	13 CFS
DA-6	10	9.8	0.20	0.70	14 CFS



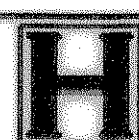
Stephen A. Helms
2/14/01

DRAINAGE AREA MAP

LOT 2C, BLOCK D, ROCKWALL TECHNOLOGY PARK

POWER MAINTENANCE INTERNATIONAL

ROCKWALL, TEXAS

 **HELMBERGER ASSOCIATES, INC.**
CIVIL AND ENVIRONMENTAL ENGINEERS
124 HOOPER ROAD, WYLLIE, TEXAS 75088 (972) 442-7459

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
HELM	CADD	FEBRUARY 2001	1"=50'	DABORDER	2065	C4

Benchmark: Square cut in center of 4' headwall located at the northeast corner of FM 549 and SH 276
Elevation = 592.75