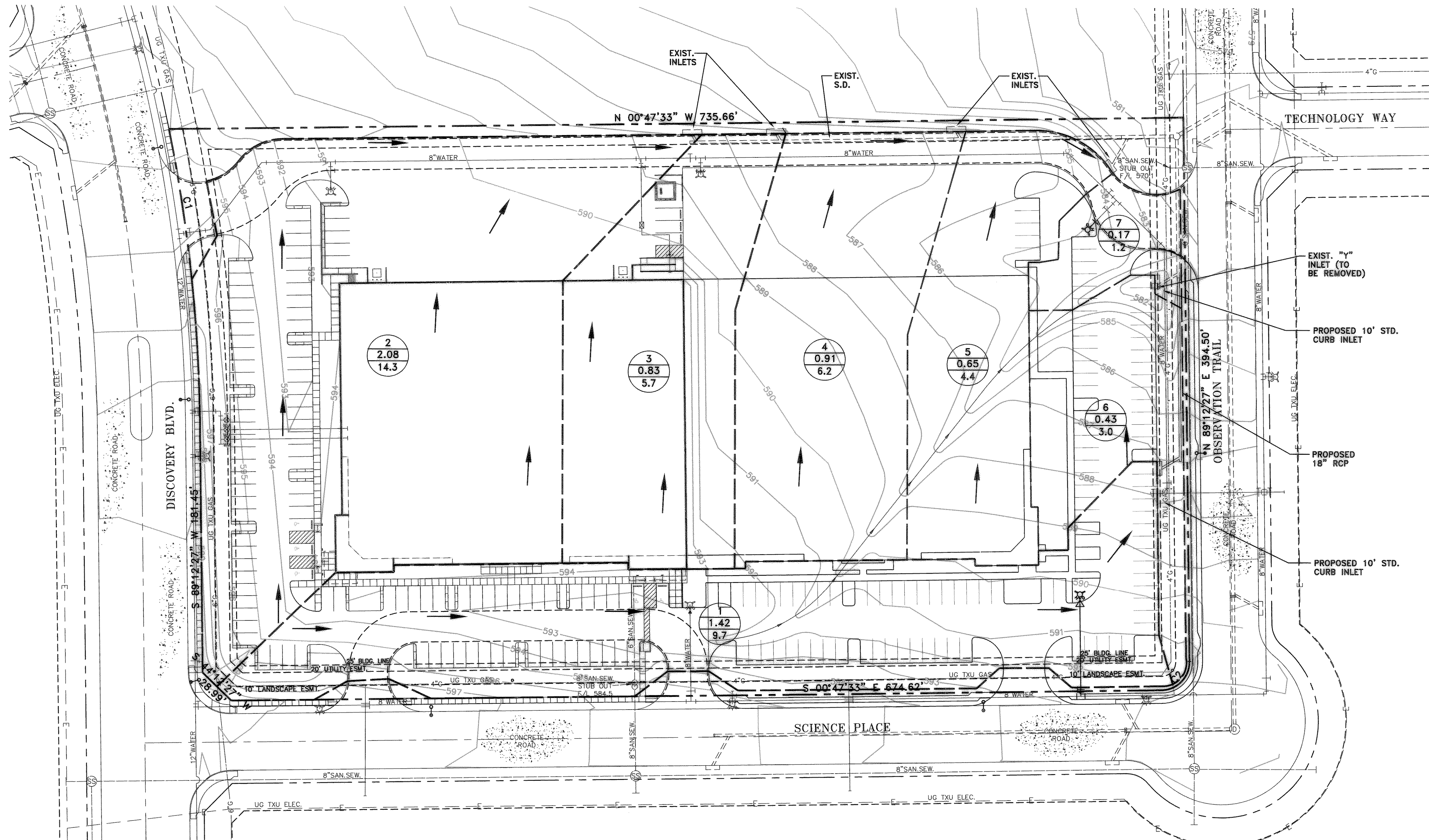
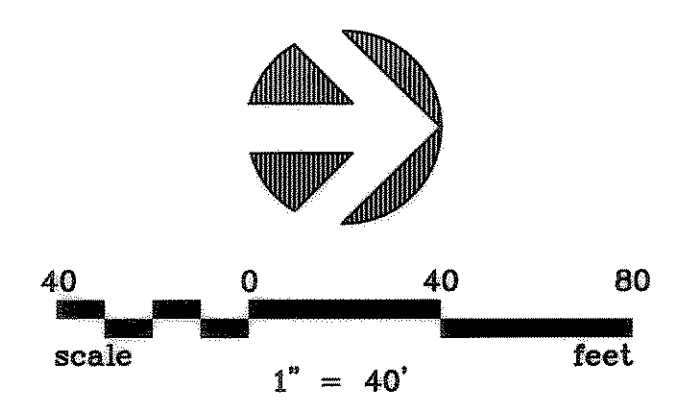


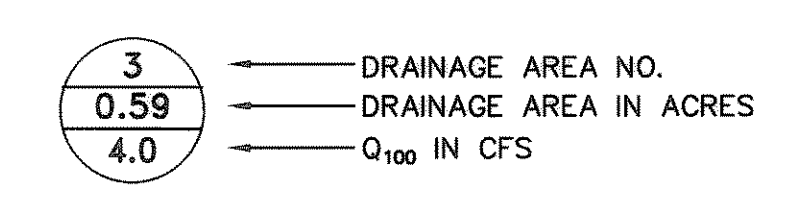
NO.	DATE	REVISION	APPROV.
1	10/09/01	REVISED PER CONSTRUCTION RECORDS	JFW
2			
3			



DRAINAGE AREA CALCULATIONS

Drainage Area	Runoff Coeff. "C"	Intensity I (in./hr.)	Area (Ac.)	"Q" (c.f.s.)
1	2	3	4	5
1	0.7	9.8	1.42	9.7
2	0.7	9.8	2.08	14.3
3	0.7	9.8	0.83	5.7
4	0.7	9.8	0.91	6.2
5	0.7	9.8	0.65	4.4
6	0.7	9.8	0.43	3.0
7	0.7	9.8	0.17	1.2

LEGEND

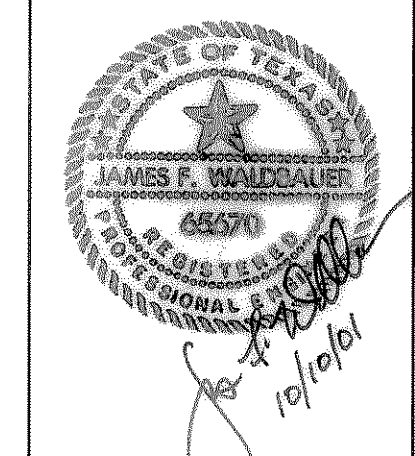


INLET CALCULATIONS

INLET No.	Location	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.)	Cross Slope (ft./ft.)	Crown Type	Inlet Capacity (c.f.s.)	SELECTED INLET		Carry-Over to Downstream Inlet (c.f.s.)
			Time Of Conc. (min.)	Intensity I (in./hr.)	Runoff Coeff. "C"	Area (Ac.)	"Q" (c.f.s.)								Length "L" (Feet)	Type	
1	2	100	10	9.8	0.7	1.39	9.7	0	9.7	13.0	SAG	0.0185	STRAIGHT	14.0	10'	I A	0
2		100	10	9.8	0.7	2.08	14.3	0	14.3	13.0 ⁽¹⁾	0.70	0.0156	STRAIGHT	8.0	EX. 14'	I	6.3
3		100	10	9.8	0.7	0.83	5.7	6.3	12.0	13.0 ⁽¹⁾	0.70	0.0156	STRAIGHT	8.0	EX. 14'	I	4.0
4		100	10	9.8	0.7	0.91	6.2	4.0	10.2	13.0 ⁽¹⁾	0.70	0.0156	STRAIGHT	8.0	EX. 14'	I	2.2
5		100	10	9.8	0.7	0.65	4.4	2.2	6.6	19.0	2.86	0.0417	STRAIGHT	6.2	EX. 10'	I	0.4
6		100	10	9.8	0.7	0.46	3.0	0	3.0	13.0	SAG	0.0185	STRAIGHT	14.0	10'	I A	0
7		100	10	9.8	0.7	0.17	1.2	0.4	1.6								1.6 TO OBSERVATION

(1) GUTTER CAPACITY BASED ON 24' LANE AT 3/16 IN./FT. = 0.375' DEPTH

RECORD DRAWING
BASED ON CONTRACTOR MARKUPS,
NOT FIELD SURVEY.



DATE: DECEMBER 2000 SCALE: 1"=40' JOB NO.: 00-245
 DRAWN: GBW DESIGN: JFW REVIEWED: BRG DWG: DRN-AREA.DWG
OFFICE/WAREHOUSE BUILDING PHASE II DRAINAGE AREA MAP
ROCKWALL ECONOMIC DEVELOPMENT CORPORATION
 Grantham, Burge & Waldbauer
Engineers, Inc.
 1919 S. SHILOH ROAD, SUITE 530, L.B. 27 GARLAND, TEXAS 75042 (972) 840-1916 (TEL) (972) 840-2156 (FAX)
SHT. 4A
OF 6A