



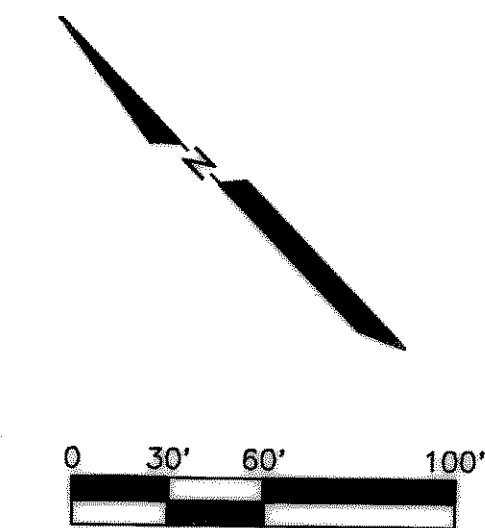
HYDRAULIC DATA

$Q = C \times I \times A$

D.A. No.	AREA (acres)	C (runoff)	TC (min)	I_{100} (in/hr)	Q_{100} (cfs)	Q_{100} (total)	REMARKS
1	0.25	0.8	10	9.8	2.0	2.0	SHEET DRAIN TO D.A. 19A
2	0.47	0.8	10	9.8	3.7	3.7	TO FUTURE INLET
3	0.33	0.8	10	9.8	2.6	6.3	TO 5' CURB INLET
4	1.20	0.8	10	9.8	9.4	9.4	TO 10' CURB INLET
5	0.61	0.8	10	9.8	4.8	20.5	TO 5' CURB INLET
6	1.97	0.8	10	9.8	15.4	47.2	OFF-SITE FROM WALGREENS
7	1.44	0.8	10	9.8	11.3	31.8	TO 10' CURB INLET
8	1.30	0.8	10	9.8	10.2	57.4	TO 10' CURB INLET
9	0.62	0.8	10	9.8	4.9	4.9	TO 5' CURB INLET
10	0.82	0.8	10	9.8	6.4	11.3	TO 10' CURB INLET
11	1.12	0.8	10	9.8	8.8	77.5	TO 5' CURB INLET
12	0.13	0.8	10	9.8	1.0	1.0	LANDSCAPE TO RIDGE ROAD
13A	0.16	0.8	10	9.8	1.3	1.3	SHEET FLOW TO ARISTA ROAD
14	0.16	0.8	10	9.8	1.3	1.3	TO 5' CURB INLET
15	0.43	0.8	10	9.8	3.4	3.4	TO 5' CURB INLET
16	0.15	0.8	10	9.8	1.2	1.2	SHEET FLOW TO ARISTA ROAD
17	0.33	0.8	10	9.8	2.6	2.6	TO 5' CURB INLET
18	0.10	0.8	10	9.8	0.8	0.8	LANDSCAPE TO ARISTA ROAD
19A	0.35	0.8	10	9.8	2.7	4.7	TO 5' CURB INLET (INC. D.A. 1)
19B	0.18	0.8	10	9.8	1.4	6.1	TO 5' CURB INLET
19C	0.09	0.8	10	9.8	0.7	6.8	TO 4"x4" D.I.
20	0.56	0.8	10	9.8	4.4	10.4	TO 5' CURB INLET
21	0.56	0.8	10	9.8	4.4	14.8	TO 5' CURB INLET
22	0.19	0.8	10	9.8	1.5	17.1	TO 5' CURB INLET
23	1.87	0.8	10	9.8	14.7	31.8	TO 10' CURB INLET (INCLUDES AREA 26A)
24	0.63	0.8	10	9.8	4.9	36.7	FROM TRUCK DOCK (INCLUDES AREAS 16B)
25	0.60	0.8	10	9.8	4.7	41.4	TO 10' CURB INLET ON GRADE (INCLUDES AREA 16C)
26	0.49	0.8	10	9.8	3.8	45.2	KROGER ROOF DRAINAGE
27	0.09	0.8	10	9.8	0.7	0.7	SHEET FLOW TO ARISTA ROAD
28	0.56	0.8	10	9.8	4.4	4.4	LANDSCAPE TO EAST
29	0.12	0.8	10	9.8	0.9	0.9	TO LOT 7R PER LCA PLANS
30	0.05	0.8	10	9.8	0.4	0.4	LANDSCAPE TO HORIZON RIDGE

LEGEND

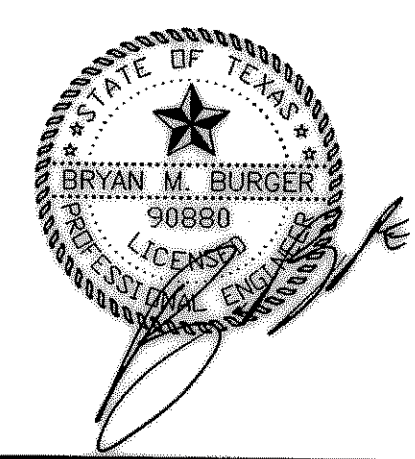
- 1 / 0.00 DRAINAGE AREA NUMBER / ACREAGE
- - - DRAINAGE DIVIDES
- FLOW ARROWS
- - - 545 EXIST. CONTOURS
- - - 545 PROP. CONTOURS
- ===== EXIST. DRAINAGE PIPES
- ===== PROP. STORM SEWER



BENCH MARK:
BOX CUT IN NW CURB RETURN AT THE INTERSECTION OF WESTWOOD AND ROCKWALL PARKWAY.
ELEVATION = 537.56

AS BUILT
DATE 12/14/05

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRYAN M. BURGER, P.E. 90880 ON 9/29/05



1	5-02-05	ISSUED FOR CONSTRUCTION
REV	DATE	REMARKS
DRAINAGE AREA MAP		
LOTS 6, 17, 18 & 19, BLOCK A		
HORIZON RIDGE ADDITION		
THE CITY OF ROCKWALL, TEXAS		
LAWRENCE A. CATES & ASSOC., LLP 14800 QUORUM DRIVE, SUITE 200 (972) 355-2272		
CONSULTING ENGINEERS DALLAS, TEXAS		
DESIGN	DRAWN	DATE
LAC	MCL	01-28-05
SCALE	NOTES	FILE
1" = 60'	D.P.	24104 DAMAP
NO.		
		C-10