

RALPH HALL PARKWAY
85' R.O.W

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY W.L. DOUPHRATE II TEXAS P.E. NO. 60102 ON 3/17/10

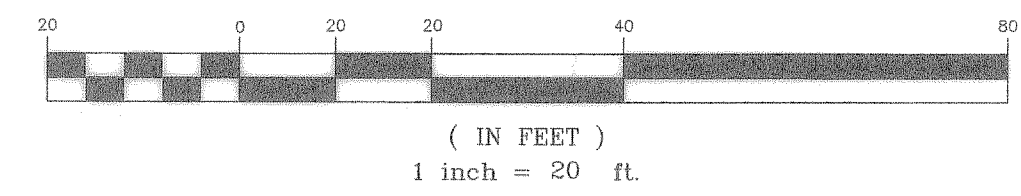
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ENGINEERING - PROJECT MANAGEMENT - SURVEYING
2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087
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DRAINAGE AREA MAP
LOT 1, BLOCK 1 - 2.4325 AC.
ROCKWALL MEDICAL CENTER
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS



FUTURE COMMERCIAL DEVELOPMENT

GRAPHIC SCALE



LEGEND

- 1 AREA REFERENCE NUMBER
- DRAINAGE AREA BOUNDARIES
- 555- PROPOSED CONTOURS
- - - - - EXISTING CONTOURS
- ====> FLOW DIRECTION

REVISED TO CONFORM TO CONSTRUCTION RECORDS
W. H. H. H. DATE 3/15/10

100YR STORM CALCULATIONS

INLET No.	AREAS	DESIGN TIME FREQ.	TIME TC	INTEN I	DEV. RUNOFF	DRAIN AREA	DEV Q	BYPASS FROM INLET	TOTAL Q	INLET LENGTH	Y0 INLET	CAP. INLET	BYPASS TO NEXT INLET
					C								
1	1	100	10	9.80	0.90	1.46	12.88		12.88	10' CURB INLET	0.51	15	
2	2,4	100	10	9.80	0.90	0.84	7.41		7.41	5' CURB SAG	0.50	7.5	
3	3	100	10	9.80	0.90	0.07	0.62		0.62	3'x3' WYE INLET	0.50	13.5	
4	5	100	10	9.80	0.90	0.11	0.97		0.97	10' CURB INLET	0.50	6.00	

SEE FLAGSTONE ESTATES INLET #4
(Q = 3.28 cfs w/ Qcap = 6.00 cfs)

DRAINAGE TABLE

AREA	ACRES	PROPOSED				EXISTING		
		C	I-100	Q-100		EX-C	EX-I	EXIST 100 YR
1	1.48	0.9	9.8	12.88	TO INLET #1	0.35	8.3	4.30
2	0.70	0.9	9.8	6.17	TO INLET #2	0.35	8.3	2.03
3	0.14	0.9	9.8	1.23	TO INLET #3	0.35	8.3	0.41
4	0.07	0.9	9.8	0.62	TO INLET #2	0.35	8.3	0.20
5	0.11	0.9	9.8	0.97	TO FLAGSTONE	0.35	8.3	0.32

REVISION

W.L.D.
CHECKED

K.E.B.

DRAWN

11/07

DATE

0601DAM

PROJECT

7

OF