

DRAINAGE AREA CHART

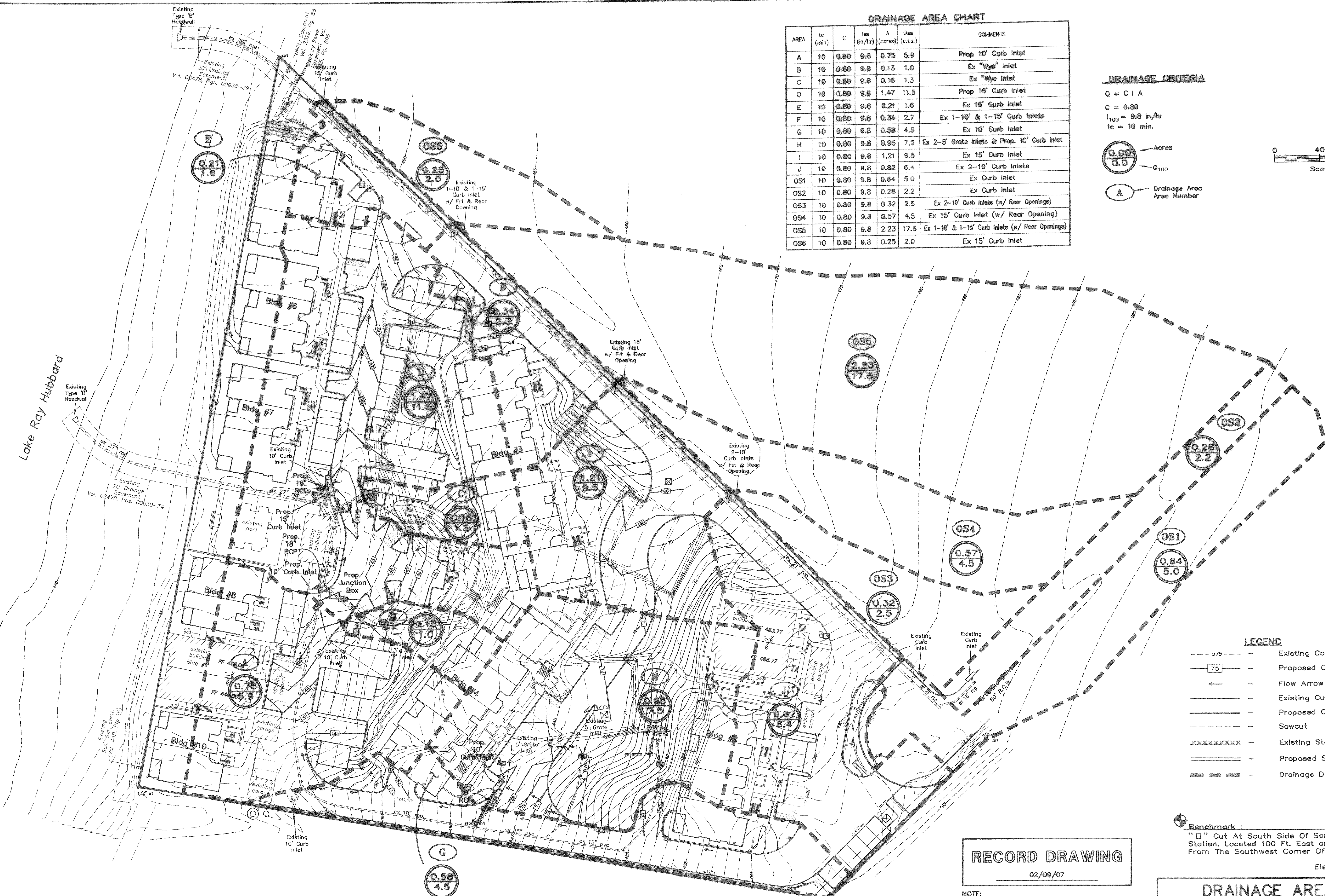
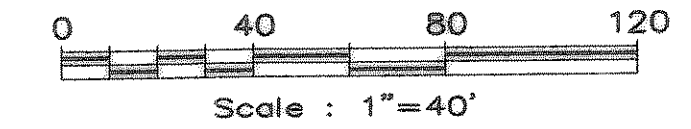
AREA	t _c (min)	C	I ₁₀₀ (in/hr)	A (acres)	Q ₁₀₀ (c.f.s.)	COMMENTS
A	10	0.80	9.8	0.75	5.9	Prop 10' Curb Inlet
B	10	0.80	9.8	0.13	1.0	Ex "Wye" Inlet
C	10	0.80	9.8	0.16	1.3	Ex "Wye" Inlet
D	10	0.80	9.8	1.47	11.5	Prop 15' Curb Inlet
E	10	0.80	9.8	0.21	1.6	Ex 15' Curb Inlet
F	10	0.80	9.8	0.34	2.7	Ex 1-10' & 1-15' Curb Inlets
G	10	0.80	9.8	0.58	4.5	Ex 10' Curb Inlet
H	10	0.80	9.8	0.95	7.5	Ex 2-5' Grate Inlets & Prop. 10' Curb Inlet
I	10	0.80	9.8	1.21	9.5	Ex 15' Curb Inlet
J	10	0.80	9.8	0.82	6.4	Ex 2-10' Curb Inlets
OS1	10	0.80	9.8	0.64	5.0	Ex Curb Inlet
OS2	10	0.80	9.8	0.28	2.2	Ex Curb Inlet
OS3	10	0.80	9.8	0.32	2.5	Ex 2-10' Curb Inlets (w/ Rear Openings)
OS4	10	0.80	9.8	0.57	4.5	Ex 15' Curb Inlet (w/ Rear Opening)
OS5	10	0.80	9.8	2.23	17.5	Ex 1-10' & 1-15' Curb Inlets (w/ Rear Openings)
OS6	10	0.80	9.8	0.25	2.0	Ex 15' Curb Inlet

DRAINAGE CRITERIA

Q = C I A
 C = 0.80
 I₁₀₀ = 9.8 in/hr
 t_c = 10 min.

0.00 — Acres
 0.0 — Q₁₀₀

A — Drainage Area Area Number



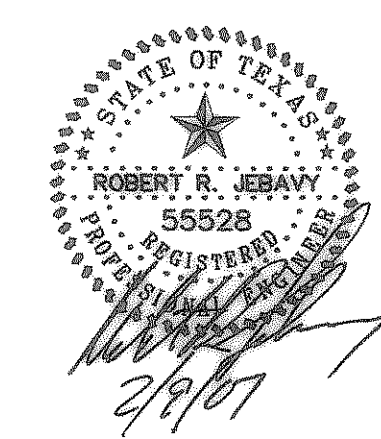
LEGEND

- 575 --- Existing Contour
- 75 --- Proposed Contour
- Flow Arrow --- Flow Arrow
- Existing Curb --- Existing Curb
- Proposed Curb --- Proposed Curb
- Sawcut --- Sawcut
- Existing Storm Sewer Line --- Existing Storm Sewer Line
- Proposed Storm Sewer Line --- Proposed Storm Sewer Line
- Drainage Divide Line --- Drainage Divide Line

Benchmark:
 "□" Cut At South Side of Sanitary Sewer Lift Station. Located 100 Ft. East and 10 Ft.± South From The Southwest Corner of This Property
 Elevation : 450.45

RECORD DRAWING
 02/09/07

NOTE:
 THESE PLANS HAVE BEEN REVISED TO CONFORM WITH CONSTRUCTION RECORDS PROVIDED BY THE CONTRACTOR.



DRAINAGE AREA MAP

WATER'S EDGE RESIDENCES AT LAKE RAY HUBBARD
 CITY OF ROCKWALL, TEXAS

BROCKETTE • DAVIS • DRAKE, INC.
 consulting engineers
 Civil & Structural Engineering • Surveying
 4144 North Central Expressway, Suite 1100 • Dallas, Texas 75204
 (214) 824-3647 • fax (214) 824-7064

DESIGNED	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RRJ	STL	10/04	1"=40'	BDD	C04207	C8

CAUTION!!!
 EXISTING PHONE, GAS, ELECTRICAL & CATV LINES IN PROJECT AREA. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
 TEXAS ONE CALL: 1-800-245-4545

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 Lake Ray Hubbard Record Drawing No. DAL181.DWG, 2/9/07, 2:30 PM, BDD, D:\Draw