

NOTE: GRADING SHALL NOT START WITHIN THE TAKE LINE UNTIL THE PERMIT IS RECEIVED FROM THE CITY'S OF DALLAS AND ROCKWALL.

INLET CALCULATION CHART

INLET NO.	DRAIN AREA SERVED	DESIGN FREQ. (YR)	TIME TO INLET (min)	NTEN	DEV. RUNOFF C	DRAIN AREA (ac)	DEV. Q (cfs)	BYPASS FROM INLET	TOTAL Q (cfs)	GUTTER CAP	GUTTER SLOPE	CROWN TYPE	LENGTH INLET (ft)	INLET CAPACITY (cfs)	TYPE	BYPASS TO NEXT INLET
1	OS2	100	10	9.80	0.80	0.281	2.20	---	2.20	45.0	5.0	1/4"/FT.	10	5.0	RECESSED - EXIST.	---
2	OS1	100	10	9.80	0.80	0.657	5.15	---	5.15	65.0	9.4	1/4"/FT.	15	7.6	CURB - EXIST.	---
3	OS3, B4 & B5	100	10	9.80	0.80	1.048	8.22	---	8.22	65.0	9.4	1/4"/FT.	20	10.0	CURB	---
4	OS4 & B3	100	10	9.80	0.80	1.039	8.15	---	8.15	65.0	5.4	1/4"/FT.	15	8.2	CURB (w/ REAR OPENING)	---
5	OS5 & B2	100	10	9.80	0.80	2.847	22.32	---	22.32	60.0	3.0	1/4"/FT.	25	17.0	CURB (w/ REAR OPENING)	5.32
6	OS6 & B1	100	10	9.80	0.80	0.362	2.84	5.32	8.16	45.0	4.0	1/4"/FT.	15	8.3	CURB (w/ REAR OPENING)	---
7	A6	100	10	9.80	0.80	0.430	3.37	---	3.37	25.0	2.0	1/4"/FT.	5	3.8	2 GRATE(SAG)	---
8	A5	100	10	9.80	0.80	0.236	1.86	---	1.86	22.50	2.0	1/4"/FT.	5	7.0	CURB (SAG)	---
9	A4	100	10	9.80	0.80	0.270	2.12	---	2.12	22.50	2.0	1/4"/FT.	5	3.8	2 GRATE(SAG)	---
10	A2 & A3	100	10	9.80	0.80	0.755	5.91	---	5.91	65.0	6.0	1/4"/FT.	12	6.0	CURB	---
11	A1	100	10	9.80	0.80	0.498	3.90	---	3.90	10	7.0	1/4"/FT.	10	4.9	CURB	---
12	A9, A12 & A13	100	10	9.80	0.80	0.965	7.57	---	7.57	10	3.2	1/4"/FT.	10	17.5	CURB (SAG)	---
13	A10 & A11	100	10	9.80	0.80	0.319	2.50	---	2.50	10	4.0	1/4"/FT.	3x3	8.5	Y INLET	---
14	A7 & A8	100	10	9.80	0.80	0.352	2.76	---	2.76	10	1.0	1/4"/FT.	3x3	8.5	Y INLET	---

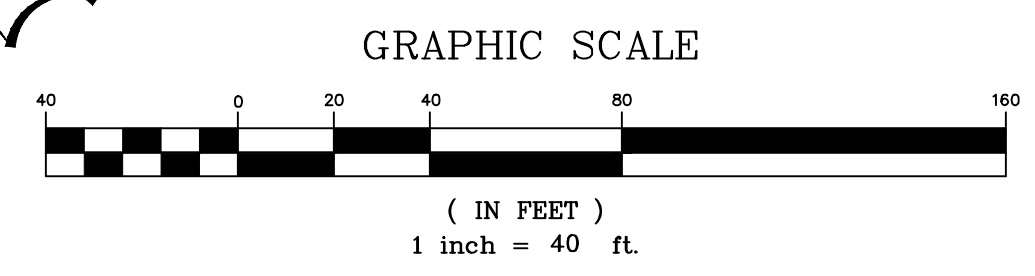
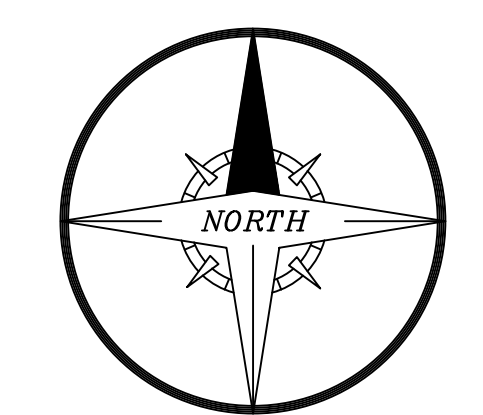
DRAINAGE TABLE

AREA	ACRES	C	$Q_{100}$	$Q_{1.00}$
A1	0.498	0.80	9.8	3.90
A2	0.507	0.80	9.8	3.97
A3	0.248	0.80	9.8	1.94
A4	0.270	0.80	9.8	2.12
A5	0.236	0.80	9.8	1.86
A6	0.430	0.80	9.8	3.37
A7	0.176	0.80	9.8	1.38
A8	0.176	0.80	9.8	1.38
A9	0.279	0.80	9.8	2.19
A10	0.175	0.80	9.8	1.37
A11	0.144	0.80	9.8	1.13
A12	0.413	0.80	9.8	3.24
A13	0.273	0.80	9.8	2.14
B1	0.110	0.80	9.8	0.86
B2	0.627	0.80	9.8	4.92
B3	0.473	0.80	9.8	3.71
B4	0.251	0.80	9.8	1.97
B5	0.482	0.80	9.8	3.78
OS1	0.657	0.80	9.8	5.15
OS2	0.281	0.80	9.8	2.20
OS3	0.315	0.80	9.8	2.47
OS4	0.566	0.80	9.8	4.44
OS5	2.220	0.80	9.8	17.40
OS6	0.252	0.80	9.8	1.98



BENCHMARK: " " AT SOUTH SIDE OF SANITARY SEWER LIFT STATION. LOCATED 100 FT. EAST, AND 10 FT (+/-) SOUTH FROM THE SOUTHWEST CORNER OF THIS PROPERTY. ELEV 450.45.

NOTE: THE CONTRACTOR SHALL NOTIFY DWJ CONSTRUCTION INSPECTION AT (214) 948-4562 FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION FOR ANY WORK INSIDE THE TAKE LINE.



M:\p\c\l\c\l\9953\9953DAM.dwg 09/26/02 04:58:12 PM CDT



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

DOUPHRATE & ASSOCIATES, INC.  
ENGINEERING - PROJECT MANAGEMENT - SURVEYING  
2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087  
PHONE: (972)771-9004 FAX: (972)771-9005

**DRAINAGE AREA MAP**  
**VILLAS DE PORTOFINO PHASE 2**  
CITY OF ROCKWALL  
COUNTY OF ROCKWALL

REVISION	CHECKED BY
-PREL CITY COMMENTS 07-09-2001	WLD.
-PREL CITY COMMENTS 08-27-2001	WLD.
-PREL CITY COMMENTS 09-20-2001	
DATE	PROJECT NO.
6/15/01	9953
DRAWING NAME	
9953DAM	