

THE SEAL APPEARING ON THIS DRAWING IS THE PROPERTY OF W.L. DOUPHRATE, P.E. NO. 80102 ON 11/05/02

DOUPHRATE & ASSOCIATES, INC.

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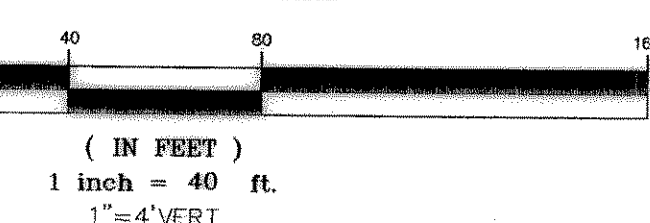
STORM SEWER PLAN & PROFILE
LINE 7 & LATERAL G
LAKEVIEW SUMMIT PHASE 1A
CITY OF ROCKWALL, COUNTY OF ROCKWALL

6-18-01
CHANGED 7x2 BOX TO 7x3 BOX

REVISION
W.L.D.
CHECKED
K.E.B.
DRAWN
8/15/00
DATE
9919-1ASTM4
PROJECT

40
OF

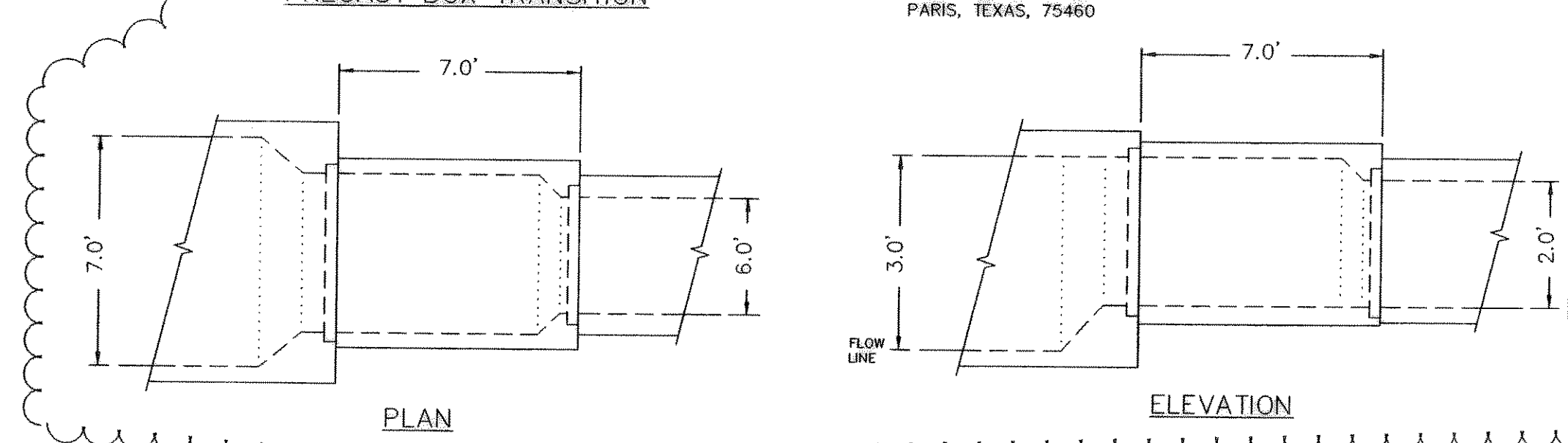
GRAPHIC SCALE



NOTE:

- ANY COMBINATION OF SPAN AND RISE TRANSITION CAN BE MANUFACTURED, PROVIDED THERE IS ONE COMMON WALL. EXAMPLE: SAME FLOW LINE AS SHOWN IN ABOVE DETAIL.
- DETAIL PROVIDED BY: CSR WALL, 1569 CHURCH STREET, PARIS, TEXAS, 75460

PRECAST BOX TRANSITION



From	To	Length	Box	DESIGN	PIPE	CAP	FULL	PARTIAL	PARTIAL	FLOW	Flow	Flow	FULL	DESIGN	HGL	HGL				
			Height	Flow	Size (in)	Q100	V	V	FLOW %	CHT. No.	Kj	R(H)	Area	S	Rise	Number				
STM7	325.00	150	175	3	7	63.69	140.28	3.03	2.94	1.00	1.15	1.0500	1.0331	21.0000	0.0007	0.0032	0.1154	466.48		
Junction Loss	437.00	325	112	2	6	57.4	53.11	4.78	4.78	1.00	1.08	1.0000	0.7500	0.8295	12.0000	0.0026	0.0026	-0.2125	466.38	
Junction Loss	517.05	437	80.05	2	4	28.54	32.73	3.57	3.57	0.87	1.13	1.0000	0.6667	0.7631	8.0000	0.0017	0.0017	-0.9262	465.74	
Junction Loss	728.83	517.05	211.78	2	4	28.54	24	38.52	9.08	9.36	1.03	1.0000	0.5000	0.6300	3.1416	0.0159	0.0290	3.3707	469.12	
Junction Loss	728.83	728.83	21.17	2	4	28.54	24	69.43	5.93	5.76	0.27	0.97	1.0000	0.5000	0.6300	3.1416	0.0068	0.0942	0.1437	469.99
Junction Loss	870.00	728.83	141.17	2	4	28.54	24	11.38	10.55	11.92	1.64	1.13	1.0000	0.3750	0.5200	1.7671	0.0127	0.0117	-1.1610	468.81
Junction Loss	870.00	870.00	38.94	2	4	28.54	18	11.38	6.71	6.98	1.04	1.04	1.0000	0.3750	0.5200	1.7671	0.0127	0.0117	1.0283	473.57
Junction Loss	908.94	870.00	38.94	2	4	28.54	18	11.38	6.71	6.98	1.04	1.04	1.0000	0.3750	0.5200	1.7671	0.0127	0.0117	0.4585	474.55
Junction Loss	945.19	908.94	36.25	2	4	28.54	18	11.38	3.94	4.10	0.61	1.04	1.0000	0.3750	0.5200	1.7671	0.0044	0.0117	0.1591	474.71

LINE	LENGTH	BEARING
L1	104.68'	N13°08'51"E
L2	262.37'	S72°47'46"E
L3	16.74'	S47°12'14"W
L4	16.74'	S12°47'46"E
L5	172.25'	N18°44'32"E
L6	46.47'	N20°55'10"E
L7	18.57'	N69°50'49"W
L8	109.25'	S19°01'11"W
L9	71.42'	N45°15'13"W
L10	29.31'	N63°32'34"W
L11	22.73'	N56°27'26"E
L12	33.90'	S74°44'47"W
L13	16.74'	S12°47'46"E

CURVE	LENGTH	RADIUS	TANGENT	CH BRG	CH DIST	DELTA
C1	150.00	100.00	93.16	S29°49'28"E	136.33	85°56'37"
C2	3.80	100.00	1.90	N19°40'51"E	3.80	02°10'39"
C3	3.32	100.00	1.66	S19°58'11"W	3.32	01°53'59"
C4	65.34	100.00	33.88	N37°44'19"E	64.18	37°26'15"

REVISED TO CONFORM TO CONSTRUCTION RECORDS.

DATE: 11-05-2002

BENCHMARK:
BRASS CAP MONUMENT NO. 10 SET IN CONCRETE IN THE CENTER OF GRASS MEDIAN IN MASTERS DRIVE BETWEEN NORTH LAKESHORE & SHORES BLVD.
N 7032464.6317, E 2589554.1518
ELEV. = 524.62

X=2,593,254.26
Y=7,034,757.30
Z=469.79
ROCKWALL CONTROL

INLET 44 = 10' CURB INLET
PAV. STA. 1+64.64 CL
TOP = 469.22
FL = 465.22
Q 100 = 6.29
HG @ INLET = 466.80

INLET 42 = 10' SAG INLET
PAV. STA. 1+36.43 CL
TOP = 468.66
FL = 464.66
Q 100 = 16.47
CONN. 18" LAT. LT & RT
HG @ INLET = 467.12

INLET 43 = 10' SAG INLET
PAV. STA. 2+76.99 CL
TOP = 468.66
FL = 464.36
Q 100 = 12.39
HG @ INLET = 467.08

INLET 35 = 3X3 DROP INLET
PAV. STA. 4+04.85 CL
THROAT = 475.60
FL = 472.60
Q 100 = 9.90
HG @ INLET = 470.66

INLET 32 = 5' CURB INLET
PAV. STA. 4+04.85 CL
TOP = 489.97
FL = 485.97
Q 100 = 2.11
HG @ INLET = 486.30

INLET 30 = 15' REC. INLET
PAV. STA. 7+16.54 CL
TOP = 493.07
FL = 489.07
Q 100 = 6.96
HG @ INLET = 475.16

INLET 31 = 12' REC. INLET
PAV. STA. 7+18.51 CL
TOP = 492.94
FL = 488.94
Q 100 = 4.80
HG @ INLET = 486.71

INLET 33 = 5' CURB INLET
PAV. STA. 4+04.85 CL
TOP = 489.97
FL = 485.97
Q 100 = .83
HG @ INLET = 486.18

LATERAL G

