

CHANNEL IMPROVEMENTS PART 'A'

CHANNEL IMPROVEMENTS PART 'B'

**100 YEAR STORM
HYDRAULIC COMPUTATION
FOR EXISTING IMPROVEMENTS**

**100 YEAR STORM
HYDRAULIC COMPUTATION
FOR PROPOSED IMPROVEMENTS**

River Sta.	Q Total (CFS)	W.S. Elev. (FT)	E.G. Elev. (FT)	Vel. Chnl. (FT/S)
5+57.2	564.59	579.93	580.10	3.29
5+43.6	564.59	579.90	580.08	3.39
5+29.9	564.59	579.89	580.03	3.03
5+16.8	564.59	579.82	579.99	3.36
5+11.3	564.59	578.99	579.88	7.58
4+93.3	564.59	577.85	578.45	6.30
4+62.9	564.59	577.95	578.13	3.40
4+39.9	564.59	576.76	577.74	7.93
4+31.1	564.59	576.47	576.84	4.86
4+01.7	564.59	575.87	576.63	7.06
3+87.1	564.59	576.17	576.43	4.13
3+50.1	663.59	576.25	576.35	2.61
3+34.4	663.59	574.95	576.18	9.23
3+24.7	663.59	570.83	575.61	17.54
2+94.0	663.59	569.99	573.33	14.66
2+48.6	663.59	569.80	570.29	5.63
2+27.6	663.59	569.97	570.16	3.48
2+04.9	663.59	569.55	570.08	5.85
1+87.9	663.59	569.14	569.96	7.24
1+73.6	663.59	568.78	569.81	8.15
1+67.7	663.59	568.82	569.72	7.64
1+48.6	663.59	568.91	569.51	6.23
1+34.5	663.59	568.73	569.42	6.68
1+31.3	663.59	568.80	569.37	6.05
1+21.9	663.59	568.76	569.32	6.02
0+98.0	695.26	568.87	569.18	4.50
0+80.0	695.26	568.83	569.15	4.52
0+73.8	695.26	568.71	569.12	5.16
0+53.8	695.26	568.72	569.05	4.63
0+36.4	695.26	568.72	569.00	4.20
0+20.0	695.26	568.68	568.97	4.33
0+00.0	766.32	568.67	568.93	4.13

River Sta.	Q Total (CFS)	W.S. Elev. (FT)	E.G. Elev. (FT)	Vel. Chnl. (FT/S)	Rise (FT)
5+57.2	564.59	579.74	580.06	4.56	
5+43.6	564.59	579.79	580.02	3.80	
5+29.9	564.59	579.81	579.99	3.54	
5+16.8	564.59	579.85	579.96	2.70	0.03
5+11.3	564.59	578.99	579.88	7.58	
4+93.3	564.59	577.85	578.45	6.30	No Rise!
4+62.9	564.59	577.95	578.13	3.40	
4+39.9	564.59	576.76	577.74	7.93	
4+31.1	564.59	576.47	576.84	4.86	
4+01.7	564.59	575.87	576.63	7.06	
3+87.1	564.59	576.17	576.43	4.13	
3+50.1	663.59	576.25	576.35	2.61	
3+34.4	663.59	574.95	576.18	9.23	
3+24.7	663.59	572.35	574.39	11.46	1.02
2+94.0	663.59	571.05	572.52	9.74	1.00
2+48.6	663.59	571.11	571.37	4.08	1.31
2+27.6	663.59	571.09	571.34	3.94	1.12
2+04.9	663.59	570.68	571.26	6.08	1.13
1+87.9	663.59	570.46	571.17	6.76	1.32
1+73.6	663.59	569.03	570.93	11.06	0.25
1+67.7	663.59	569.20	570.02	7.25	0.38
1+48.6	663.59	569.11	569.90	7.12	0.20
1+34.5	663.59	569.16	569.78	6.31	0.43
1+31.3	663.59	569.18	569.76	6.07	0.38
1+21.9	663.59	569.17	569.70	5.81	0.44
0+98.0	695.26	569.12	569.61	5.65	0.25
0+80.0	695.26	568.91	569.53	6.33	0.08
0+73.8	695.26	568.67	569.48	7.24	-
0+53.8	695.26	568.95	569.27	4.57	0.23
0+36.4	695.26	568.44	569.18	6.92	-
0+20.0	695.26	568.56	569.03	5.63	-
0+00.0	766.32	568.67	568.93	4.13	-

NOTE:
FILL MATERIAL FOR CHANNEL BOTTOM SHALL
CONSIST OF N.C.T.C.O.G. ITEM 2.11(c)
GRADE 1 COARSE AGGREGATE

COURSE AGGREGATE GRADING
GRADE NO.1-MAXIMUM NOMINAL SIZE 2-1/2 IN. (63 MM)

SIEVE	PERCENT PASSING
3 IN. (75 MM)	100%
2-1/2 IN. (63 MM)	95 - 100%
2 IN. (50 MM)	80 - 100%
1-1/2 IN. (37.5 MM)	50 - 80%
3/4 IN. (19 MM)	20 - 40%
NO. 4 (4.75 MM)	0 - 5%

BENCHMARK NO. 22
CUT ON CURB RETURN WEST SIDE OF
MONTFORT DR. & SAKOWITZ DR., N.E. CORNER.
ELEV. 608.63

T.B.M. NO. K 52
TOP OF MANHOLE RIM AT BELTLINE
ROAD AND LAKE FOREST ROAD.
ELEV. 565.46

T.B.M. TH
TOP OF NUT OF FIRE HYDRANT
AT STA 5+11±, 44' RT.
ELEV. 583.41

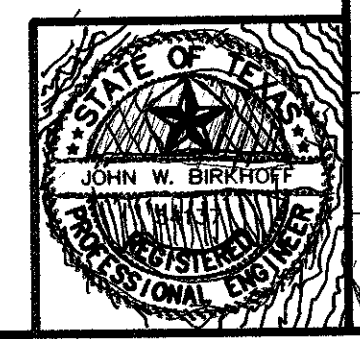
1 = VELOCITY RISE

*Toll
Northwestgroves
17110 Dallas Pkwy
Ste 150*

*Gary Cooper
609-9790
Whitetail Realty*

*Mason
214 350 4238*

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
John W. Bullitt
DATE: 10/13/1997



TOWN OF ADDISON, TEXAS

TOWNHALL STREAM BANK EROSION PROTECTION
WITH GABION WALLS
PROFILE 'A' & 'B'

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: M.H. PROJECT: '97151 SHEET NO. 4
DRAWN BY: R.J.L. DATE: SEPTEMBER, 1997 OF 9 SHEETS