



VICINITY MAP

PROPOSED PROFILE OUTPUT TABLE

Profile Output Table - Standard Table 1										
HEC-RAS Plan: Plan 01 River: Farmers Branch C Reach: Greenhill Profile: 100 YR										
# Rivers = 1										
# Hydraulic Reaches = 1										
# River Stations = 14										
# Plans = 1										
# Profiles = 1										
Reach	River Sta	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	
Greenhill	826	1950.00	577.72	582.00	581.99	583.61	0.012372	10.19	191.35	
Greenhill	729	1950.00	575.98	581.25		582.51	0.008624	9.00	216.61	
Greenhill	679	1950.00	574.57	581.15		582.08	0.00534	7.73	252.34	
Greenhill	629	1950.00	574.07	581.08		581.83	0.002941	6.94	251.12	
Greenhill	579	1950.00	573.86	581.08		581.66	0.002003	6.10	319.78	
Greenhill	554	1950.00	573.81	580.85	578.01	581.6	0.001468	6.94	281.02	
Greenhill	516.4	culvert								
Greenhill	479	1950.00	573.66	579.87	577.87	580.83	0.002248	7.89	247.15	
Greenhill	454	1950.00	573.61	580.38		580.58	0.00601	3.63	537.31	
Greenhill	370	1950.00	573.44	580.35		580.53	0.00494	3.37	631.1	
Greenhill	268	1950.00	573.25	580.34		580.47	0.00359	2.97	755.17	
Greenhill	243	1950.00	573.2	579.74	577.02	580.4	0.001407	6.50	300.02	
Greenhill	121.5	culvert								
Greenhill	0	1950.00	569.75	576.00	573.57	576.71	0.00221	6.77	287.94	

CULVERT OUTPUT TABLE 121.5

Plan 01 Farmers Branch C	1950	Culv Full Lngth (ft)	131.79
Greenhill RS: 121.5 Profile: 100 YR Culvert ID: Culvert #1			
Culv Q (cfs)			
# Barrels	4	Culv Vel US (ft/s)	10.83
Q Barrel (cfs)	487.5	Culv Vel DS (ft/s)	10.83
E.G. US (ft)	588.4	Culv Inv El Up (ft)	573.2
W.S. US (ft)	578.74	Culv Inv El Dn (ft)	585.78
E.G. DS (ft)	576.71	Culv Frctn Ls (ft)	2.21
W.S. DS (ft)	576	Culv Ext Lss (ft)	1.11
Delta EG (ft)	3.69	Culv Ext Lss (ft)	0.36
Delta WS (ft)	3.74	Q Weir (cfs)	
E.G. IC (ft)	581.56	Weir Sta Lft (ft)	
E.G. OC (ft)	580.4	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	578.2	Weir Max Depth (ft)	
Culv WS Outlet (ft)	574.78	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	2.77	Wt Flw Area (sq ft)	
Culv Crd Depth (ft)	4.5	Min El Weir Flow (ft)	582.01

CULVERT OUTPUT TABLE 516.5

Plan 01 Farmers Branch C	1950	Culv Full Lngth (ft)	74
Greenhill RS: 516.5 Profile: 100 YR Culvert ID: Culvert #1			
Culv Q (cfs)			
# Barrels	4	Culv Vel US (ft/s)	9.63
Q Barrel (cfs)	487.5	Culv Vel DS (ft/s)	9.63
E.G. US (ft)	581.6	Culv Inv El Up (ft)	573.81
W.S. US (ft)	580.85	Culv Inv El Dn (ft)	573.56
E.G. DS (ft)	580.83	Culv Frctn Ls (ft)	0.21
W.S. DS (ft)	579.87	Culv Ext Lss (ft)	0.3
Delta EG (ft)	0.76	Culv Ext Lss (ft)	0.25
Delta WS (ft)	0.98	Q Weir (cfs)	
E.G. IC (ft)	581.34	Weir Sta Lft (ft)	
E.G. OC (ft)	581.6	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	579.81	Weir Max Depth (ft)	
Culv WS Outlet (ft)	578.66	Weir Avg Depth (ft)	
Culv Nml Depth (ft)		Wt Flw Area (sq ft)	
Culv Crd Depth (ft)	4.5	Min El Weir Flow (ft)	584.01



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NO.	DATE	REVISION

Pacheco Koch Consulting Engineers
8350 N CENTRAL EXPWY SUITE 1000 DALLAS, TEXAS 75206 972.235.3031

FLOODPLAIN STUDY DETAILS
PROPOSED CONDITIONS
GREENHILL SCHOOL
GREENHILL SCHOOL ADDITION
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
BJM	FJM	NOV, 2003				C3.4