

TEST HOLE DATA SUMMARY

PROJECT NO: MN02502001
 CLIENT: BOLTON & MENK
 PROJECT: GRAND FORKS 42ND & DEMARS
 SUE CREW: SM, LM, DK
 TRUCK NO: 551715
 CITY/COUNTY: GRAND FORKS, ND GRAND FORKS COUNTY
 LOCATION/INTERSECTION: HWY 297 (DEMERS AVE) & S 42ND ST



7157 Commerce Circle W
 Fridley, Minnesota 55432
 TEL: 763-203-6170
 www.T2ue.com

SURFACE TYPE				REFERENCE MARKER (RM)				UTILITY TYPE										UTILITY MATERIAL						
ASPHALT	A	OTHER	O	CUT X	X	ROD & CAP	RC	BURIED ELECTRIC	BE	EXPLORATORY	EXP	GAS SERVICE	GS	STREET LIGHT	SL	WATER MAIN	WM	ASBESTOS	AC	PLASTIC (PVC, PE, HDPE)	PL	OTHER	O	
CONCRETE	C	ASPHALT/CONCRETE	AC	LATHIE	L	SLEEVE	S	BURIED TELECOM	BT	FIBER OPTIC CABLE	FOC	OTHER	O	TRAFFIC SIGNAL	TS	RECLAIMED WATER	RW	CLAY	CL	METALLIC (IRON, STEEL, COATED)	MET	UNKNOWN	UNK	
INTERLOCK BRICK	I			NAIL & DISK	ND	WOODEN STAKE	W	CABLE TV	CATV	FORCE MAIN	FM	SANITARY SEWER	SAN	UNKNOWN	UNK	FUEL LINE	FL	CORRUGATED METAL PIPE	CMP	CONCRETE	CONC	WOOD	WD	
NATURAL GROUND	NG			OTHER	O	PK NAIL	PK	COMBINED SEWER	COMB	GAS MAIN/PIPELINE	GM	STORM SEWER	STM	WATER SERVICE	WS	PIPELINE	PL	DIRECT BURIED CABLE	DBC	COPPER	CU	FIBERGLASS	FIBG	
TH NO	TH DATE	UTILITY TYPE	UTILITY MATERIAL	UTILITY DIRECTION	UTILITY WIDTH (FIELD)	APPARENT UTILITY OWNER	CROSS SECTION	RM NORTHING	RM EASTING	RM ELEVATION	RM LOCATION	RM MARKED BY	RM OFFSET	DEPTH RM TO TOP OF UTILITY	ELEV. TOP OF UTILITY	SURFACE TYPE	REMARKS							
1A	8/24/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	352714.33	2805043.50	833.72'	SOUTH EDGE	RC	52.70 LEFT OF EDGE OF PAVEMENT	9.56'	824.16'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
1B	8/24/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	352718.47	2805042.46	833.75'	CENTER OF UTILITY	RC	54.5 LEFT OF BACK OF CURB	9.18'	824.57'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 14" PLASTIC PER RECORDS							
1C	8/25/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	352720.89	2805041.56	833.80'	CENTER OF UTILITY	RC	56 RIGHT OF BACK OF CURB	9.58'	824.22'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
2A	8/23/2024	WM	-	NORTH - SOUTH	-	CITY OF GRAND FORKS	*	353393.77	2805011.09	834.54'	CENTER OF UTILITY	RC	79.8 RIGHT OF EDGE OF PAVEMENT	11.91'	822.63'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
2B	8/23/2024	WM	-	NORTH - SOUTH	-	CITY OF GRAND FORKS	*	353394.43	2805014.90	834.59'	CENTER OF UTILITY	RC	78.60 RIGHT OF BACK OF CURB	11.84'	822.75'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 14" PLASTIC PER RECORDS							
2C	8/23/2024	WM	-	NORTH - SOUTH	-	CITY OF GRAND FORKS	*	353395.15	2805019.56	834.54'	EAST EDGE	RC	78.90 RIGHT OF EDGE OF PAVEMENT	11.98'	822.56'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
3A	8/21/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353468.19	2805225.84	834.31'	CENTER OF UTILITY	RC	25.7 RIGHT OF BACK OF CURB	8.19'	826.12'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
3B	8/21/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353473.34	2805225.73	834.35'	CENTER OF UTILITY	RC	20.20 RIGHT OF BACK OF CURB	7.98'	826.37'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 14" PLASTIC PER RECORDS							
3C	8/21/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353477.96	2805224.67	834.63'	CENTER OF UTILITY	RC	15.70 RIGHT OF BACK OF CURB	8.40'	826.23'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
4A	8/21/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353490.36	2805573.93	833.27'	CENTER OF UTILITY	RC	21.50 RIGHT OF EDGE OF PAVEMENT	6.93'	826.34'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
4B	8/21/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353493.85	2805574.39	833.74'	CENTER OF UTILITY	RC	18.1 RIGHT OF BACK OF CURB	7.20'	826.54'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 14" PLASTIC PER RECORDS							
4C	8/22/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353497.72	2805573.41	834.30'	CENTER OF UTILITY	RC	14.00 RIGHT OF BACK OF CURB	8.45'	825.85'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
5A	8/22/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353508.22	2805986.67	834.27'	CENTER OF UTILITY	RC	19.40 RIGHT OF BACK OF CURB	8.05'	826.22'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
5B	8/22/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353511.78	2805985.86	834.39'	CENTER OF UTILITY	RC	15.80 RIGHT OF BACK OF CURB	7.84'	826.55'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 14" PLASTIC PER RECORDS							
5C	8/22/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353515.40	2805985.41	834.51'	CENTER OF UTILITY	RC	12.10 RIGHT OF BACK OF CURB	8.09'	826.42'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS							
6	8/25/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353577.97	2805462.00	835.03'	CENTER OF UTILITY	RC	0.9 RIGHT OF BACK OF CURB	8.05'	826.98'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 20" ASBESTOS PER RECORDS							
7	8/26/2024	WM	-	NORTH - SOUTH	-	CITY OF GRAND FORKS	*	353718.34	2805206.76	834.79'	CENTER OF UTILITY	NC	53 LEFT OF BACK OF CURB	5.74'	829.05'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 20" ASBESTOS PER RECORDS							

REMARKS:
 DUE TO HIGH LEVELS OF GROUNDWATER INFILTRATION, T2UE WAS UNABLE TO VISUALLY VERIFY ANY OF THE UTILITIES FOR TYPE, MATERIAL, SIZE.
 T2UE WAS SUCCESSFUL IN PROBING THE INFILTRATED HOLES TO FEEL THE EDGES AND TOP OF THE UTILITIES AND DERIVE THE ABOVE INFORMATION USING THIS METHOD.

REVISION NOTES:

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CONCRETE	C	ASPHALT/CONCRETE	AC	LATHE	L	SLEEVE	S	BURIED TELECOM	BT	FIBER OPTIC CABLE	FOC	OTHER	O	TRAFFIC SIGNAL	TS	RECLAIMED WATER	RW	CLAY	CL	METALLIC (IRON, STEEL COATED)	MET	UNKNOWN	UNK
INTERLOCK BRICK	I			NAIL & DISK	ND	WOODEN STAKE	W	CABLE TV	CATV	FORCE MAIN	FM	SANITARY SEWER	SAN	UNKNOWN	UNK	FUEL LINE	FL	CORRUGATED METAL PIPE	CMP	CONCRETE	CONC	WOOD	WD
NATURAL GROUND	NG			OTHER	O	PK NAIL	PK	COMBINED SEWER	COMB	GAS MAIN/PIPELINE	GM	STORM SEWER	STM	WATER SERVICE	WS	PIPELINE	PL	DIRECT BURIED CABLE	DBC	COPPER	CU	FIBERGLASS	FIBG

TH NO	TH DATE	UTILITY TYPE	UTILITY MATERIAL	UTILITY DIRECTION	UTILITY WIDTH (FIELD)	APPARENT UTILITY OWNER	CROSS SECTION	RM NORTHING	RM EASTING	RM ELEVATION	RM LOCATION	RM MARKED BY	RM OFFSET	DEPTH RM TO TOP OF UTILITY	ELEV. TOP OF UTILITY	SURFACE TYPE	REMARKS
8	8/25/2024	WM	-	NORTH - SOUTH	-	CITY OF GRAND FORKS	*	353895.31	2805200.15	838.28'	CENTER OF UTILITY	RC	48 RIGHT OF BACK OF CURB	8.62'	829.66'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 20" ASBESTOS PER RECORDS
9	8/26/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353554.65	2805001.16	836.47'	CENTER OF UTILITY	NC	1.6 LEFT OF BACK OF CURB	7.01'	829.46'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 20" ASBESTOS PER RECORDS
10	8/26/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353547.18	2804767.51	835.97'	CENTER OF UTILITY	NC	0.4 LEFT OF BACK OF CURB	7.40'	828.57'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 20" ASBESTOS PER RECORDS
11	8/21/2024	WM	-	NORTH - SOUTH	-	CITY OF GRAND FORKS	*	353453.23	2804779.63	836.02'	CENTER OF UTILITY	RC	22.80' OF BACK OF CURB	9.66'	826.36'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 16" PVC PER RECORDS
15A	8/27/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353509.82	2806478.71	833.03'	CENTER OF UTILITY	NC	18 LEFT OF BACK OF CURB	6.92'	826.11'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS
15B	8/27/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353512.89	2806478.42	833.14'	CENTER OF UTILITY	NC	15 LEFT OF BACK OF CURB	6.78'	826.36'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 14" PLASTIC PER RECORDS
15C	8/26/2024	WM	-	EAST - WEST	-	CITY OF GRAND FORKS	*	353516.18	2806478.73	833.29'	CENTER OF UTILITY	NC	11 LEFT OF BACK OF CURB	6.96'	826.33'	NG	UNABLE TO VERIFY SIZE AND MATERIAL DUE TO HIGH GROUNDWATER INFILTRATION. 30" METALLIC PER RECORDS

REMARKS:
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 T2UE WAS SUCCESSFUL IN PROBING THE INFILTRATED HOLES TO FEEL THE EDGES AND TOP OF THE UTILITIES AND DERIVE THE ABOVE INFORMATION USING THIS METHOD.

REVISION NOTES:



Photo No. 1



Photo No. 2



Photo No. 3

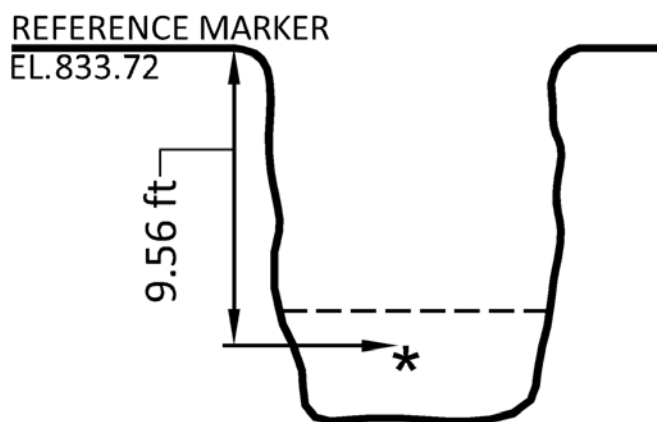


Photo No. 4
Cross Section - Auto



Photo No. 1



Photo No. 2

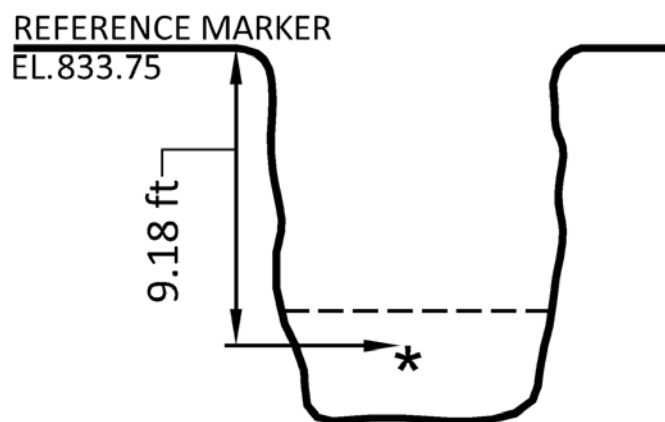


Photo No. 3
Cross Section - Auto



Photo No. 1



Photo No. 2

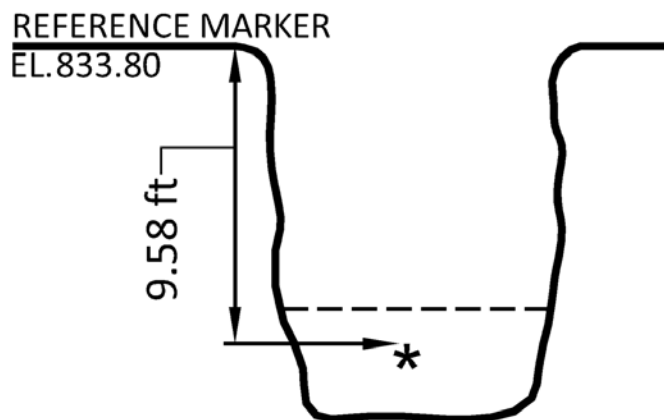


Photo No. 3
Cross Section - Auto



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4

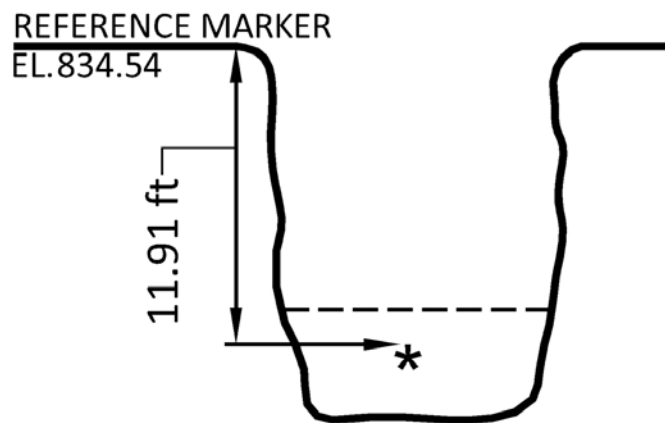


Photo No. 5
Cross Section - Auto



Photo No. 1



Photo No. 2



Photo No. 3

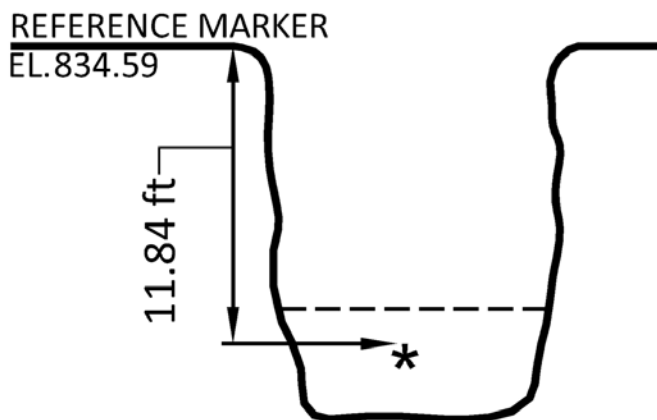


Photo No. 4
Cross Section - Auto



Photo No. 1



Photo No. 2

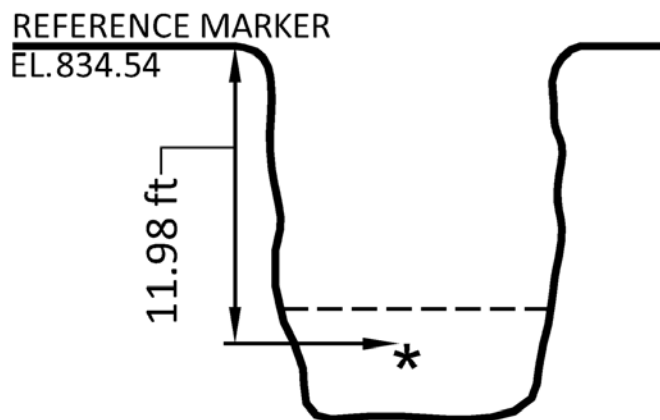


Photo No. 3
Cross Section - Auto



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4

Test Hole 3A

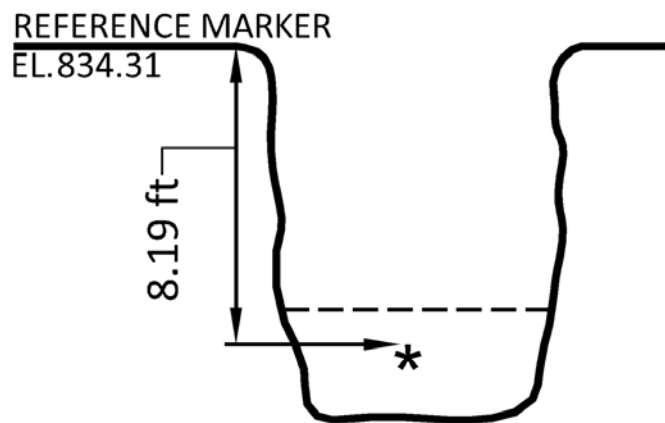


Photo No. 5
Cross Section - Auto



Photo No. 1



Photo No. 2



Photo No. 3

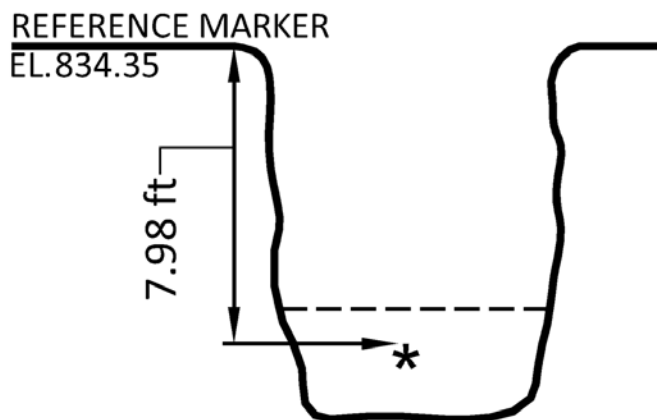


Photo No. 4
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Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4

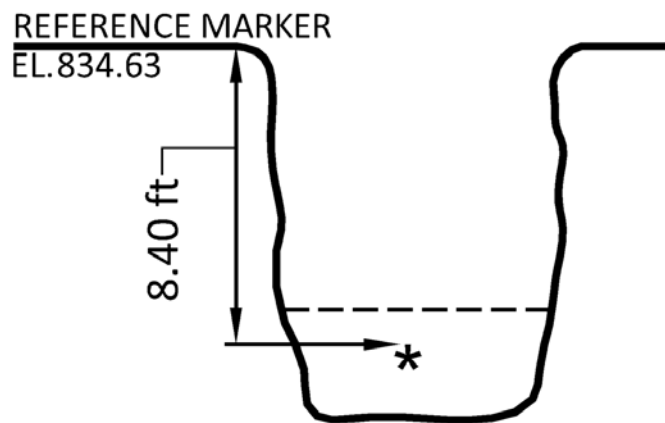


Photo No. 5
Cross Section - Auto



Photo No. 1



Photo No. 2



Photo No. 3

Site Photo - After Photo - South

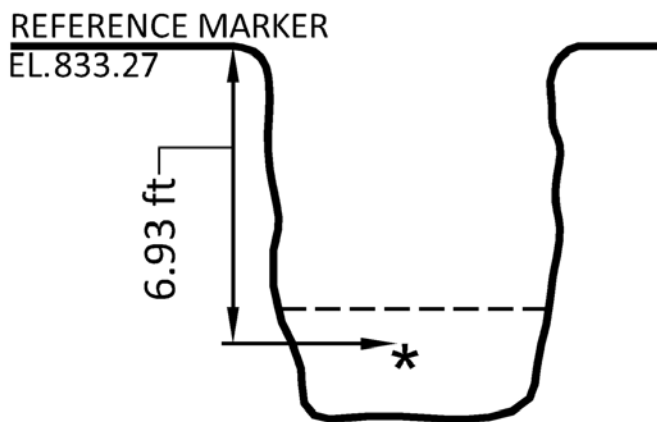


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Photo No. 1



Photo No. 2



Photo No. 3
Site Photo - After Photo - South

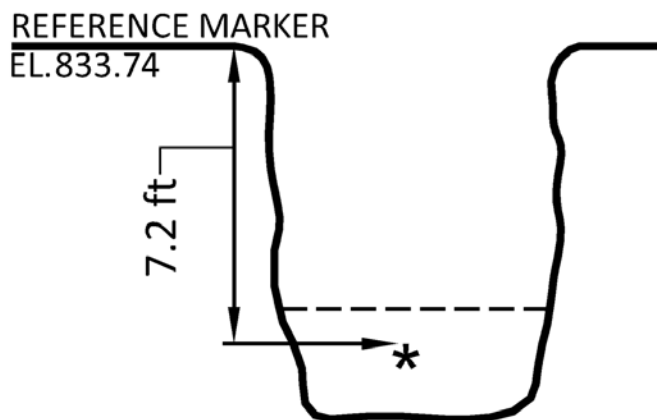


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Cross Section - Auto



Photo No. 1
Pre Photo

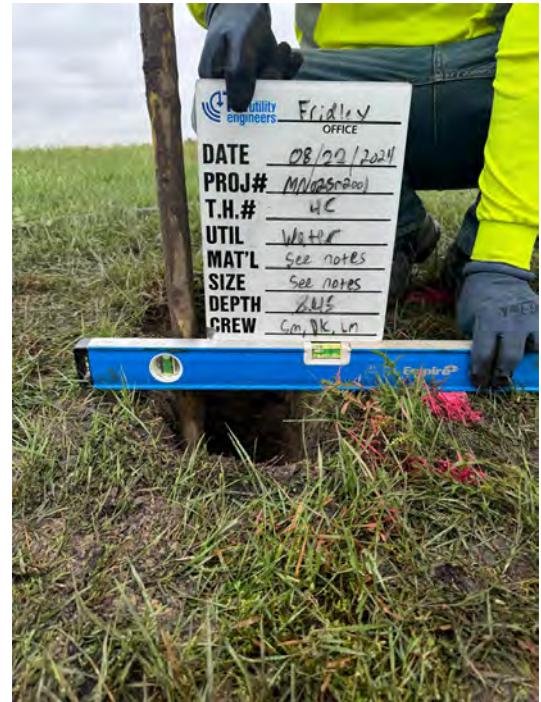


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Photo No. 3
Site Photo - After Photo - South

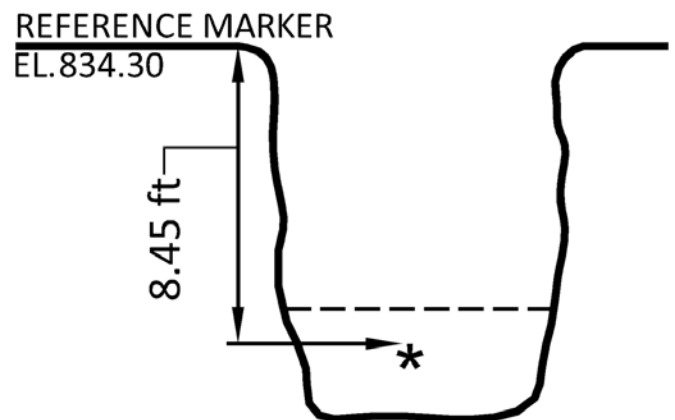


Photo No. 4
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Photo No. 1



Photo No. 2

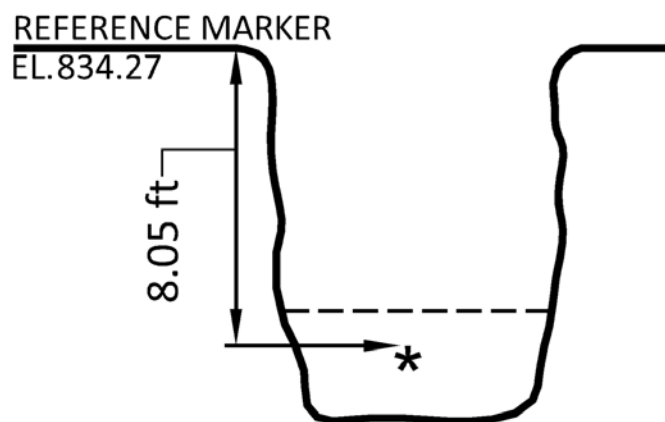


Photo No. 3
Cross Section - Auto



Photo No. 1



Photo No. 2

Site Photo - After Photo - North

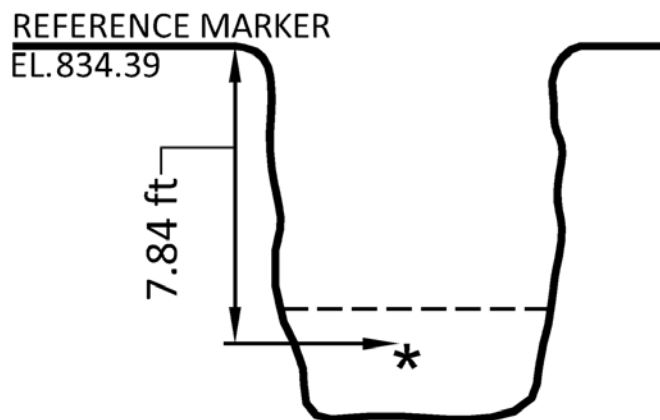


Photo No. 3

Cross Section - Auto



Photo No. 1



Photo No. 2

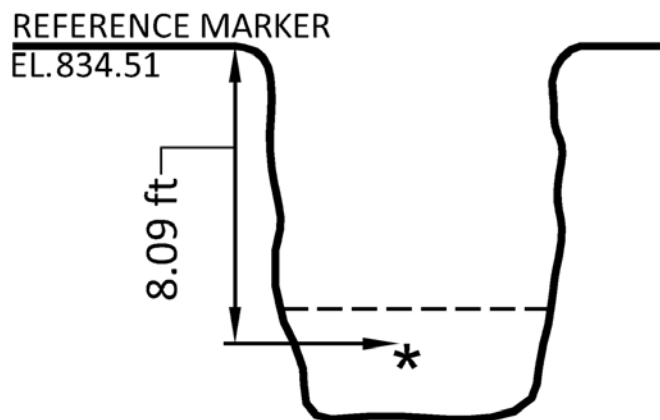


Photo No. 3
Cross Section - Auto



Photo No. 1



Photo No. 2



Photo No. 3

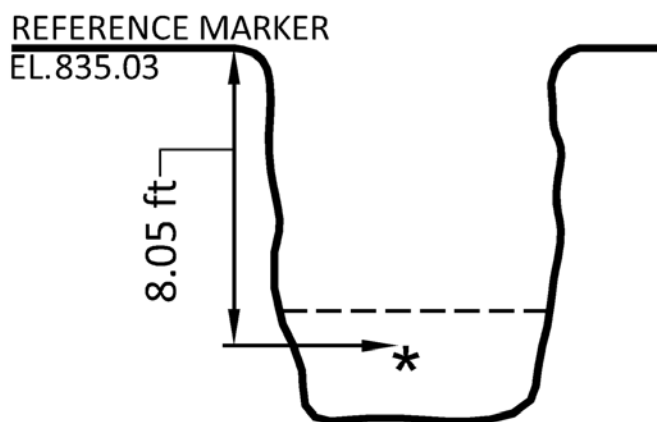


Photo No. 4
Cross Section - Auto



Photo No. 1
Pre Photo



Photo No. 2
Test Hole Photo - North



Photo No. 3
Site Photo - After Photo - North

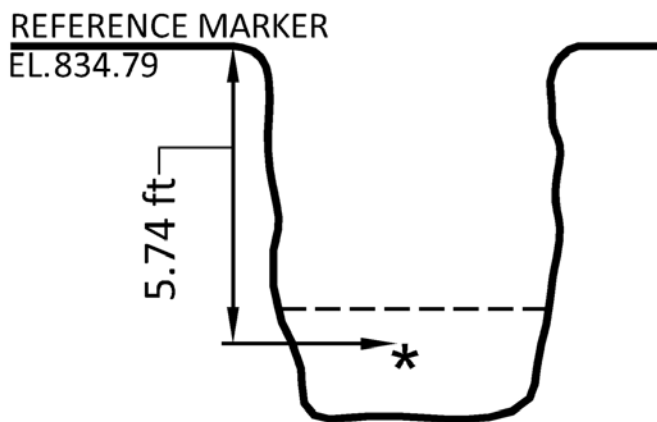


Photo No. 4
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Photo No. 1



Photo No. 2



Photo No. 3

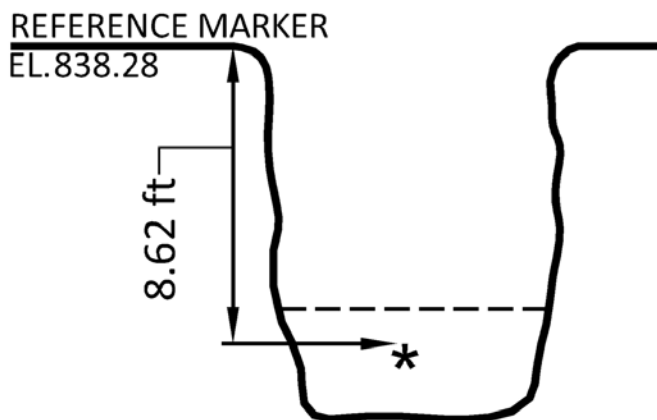


Photo No. 4
Cross Section - Auto

Test Hole 9



Photo No. 1
Test Hole Photo - North



Photo No. 2
Test Hole Photo - North



Photo No. 3
Board Photo



Photo No. 4
Site Photo - After Photo - North

Test Hole 9

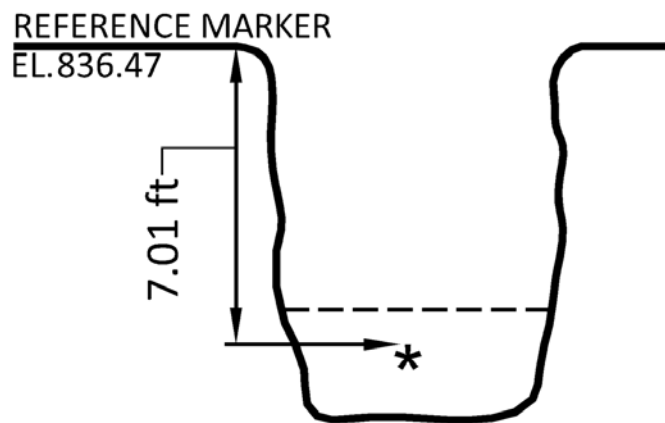


Photo No. 5
Cross Section - Auto



Photo No. 1
Pre Photo



Photo No. 2
Test Hole Photo - North



Photo No. 3
Board Photo



Photo No. 4
Site Photo - After Photo - North

Test Hole 10

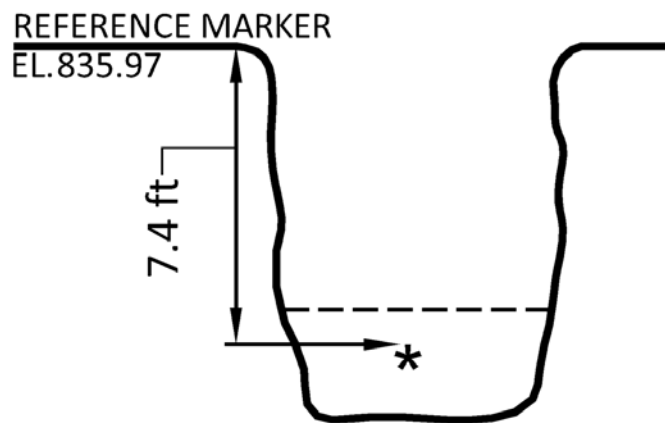


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Photo No. 1



Photo No. 2

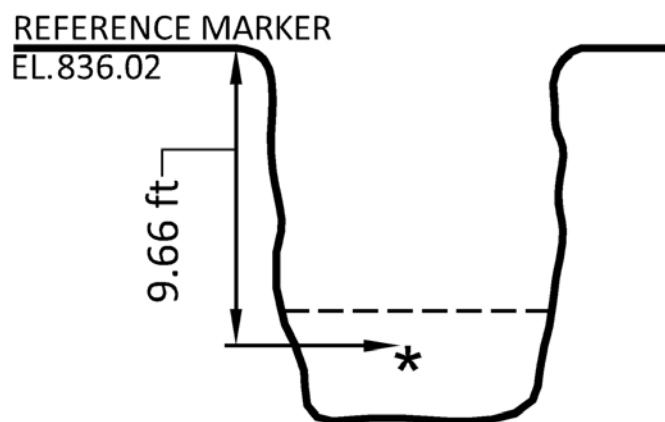


Photo No. 3
Cross Section - Auto



Photo No. 1
Pre Photo



Photo No. 2
Test Hole Photo - North



Photo No. 3
Board Photo



Photo No. 4
Site Photo - After Photo - South

Test Hole 15A

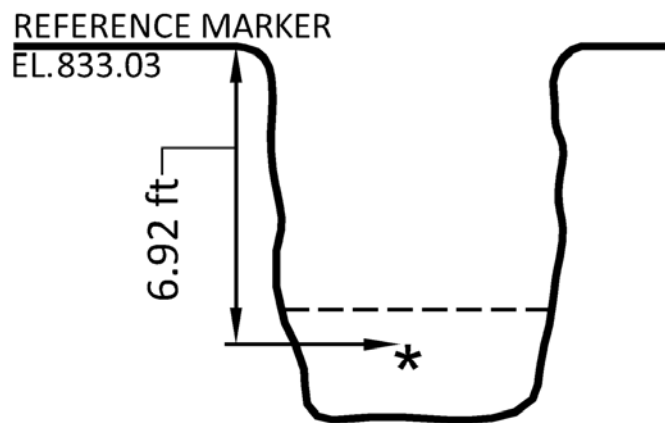


Photo No. 5
Cross Section - Auto



Photo No. 1
Pre Photo



Photo No. 2
Test Hole Photo - North



Photo No. 3
Board Photo



Photo No. 4
Site Photo - After Photo - South

Test Hole 15B

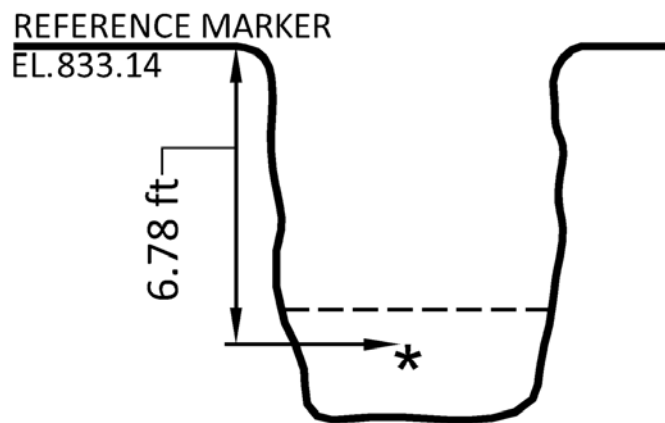


Photo No. 5
Cross Section - Auto

Test Hole 15C



Photo No. 1
Pre Photo



Photo No. 2
Test Hole Photo - North



Photo No. 3
Board Photo



Photo No. 4
Site Photo - After Photo - South

Test Hole 15C

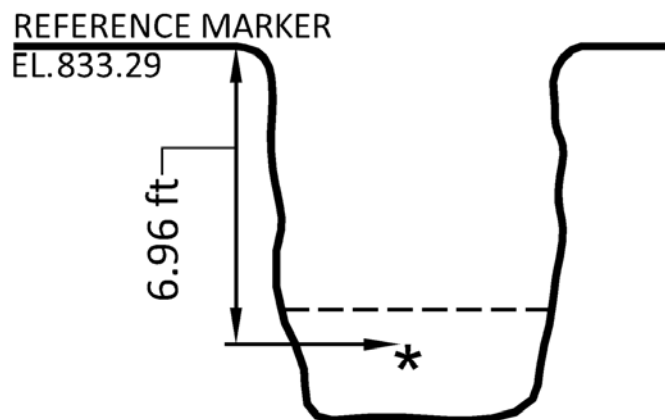


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