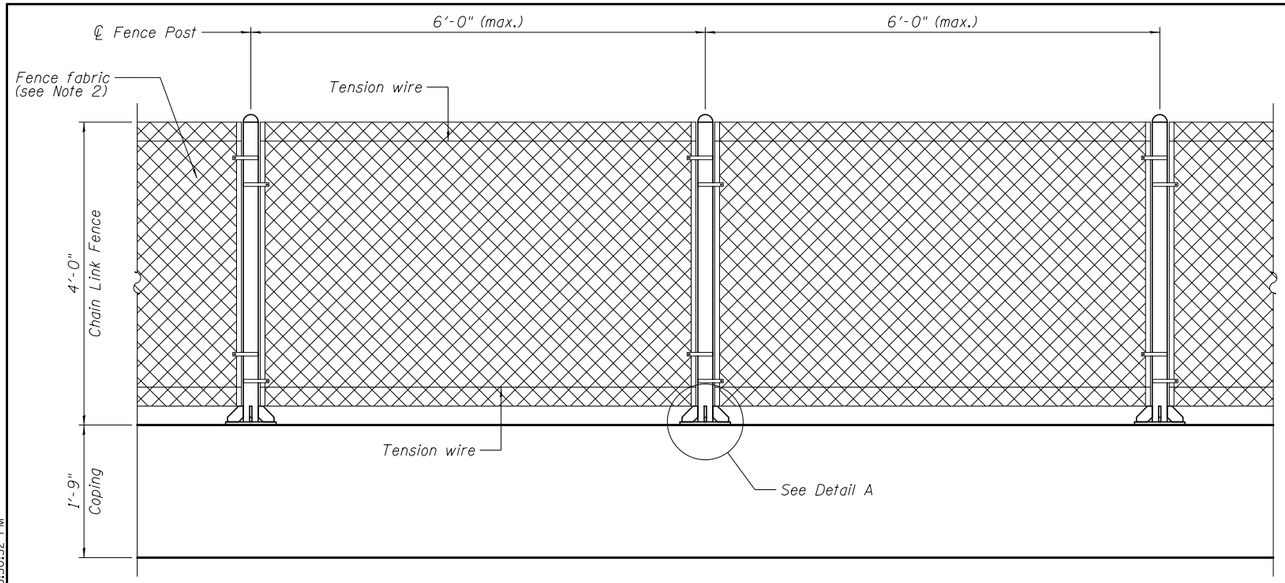
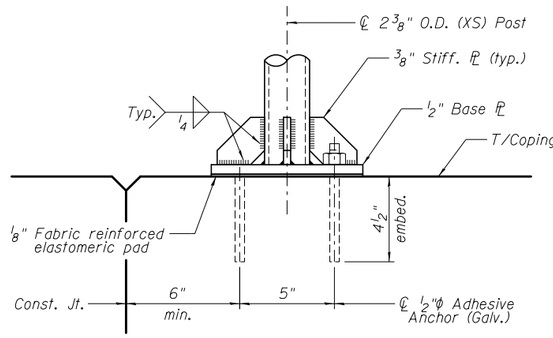
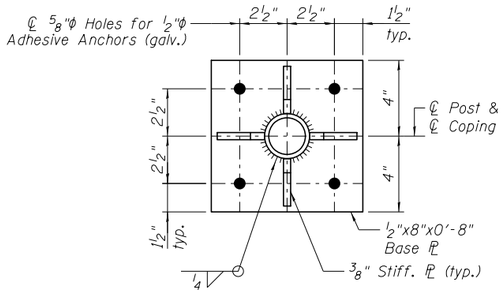


CHAIN LINK FENCE ELEVATION

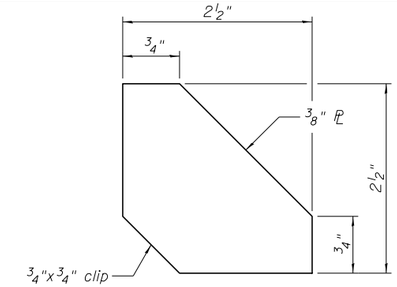
Note: Truss rods and braces are required at terminal (pull) posts per IDOT Standard Spec. 664. These are not shown above for clarity.



DETAIL A - ELEV.



DETAIL A - PLAN



TYP. STIFFENER PLATE

Note: Contractor shall adjust stiffener plate dimensions as required along sloped portions of wall such that the fence posts remain vertical.

NOTES:

1. See Sht. 1 for MSE Wall Plan & Elevation and details of coping.
2. Chain link fence, other than posts, shall be in accordance with Section 664 and Article 1006.27 of the Standard Specifications. All non-aluminum material shall be hot dipped galvanized in accordance with Article 509.05 of the Standard Specifications.
3. Base plates, stiffeners and adhesive anchors for mounting fence posts on wall coping shall be included in the cost of Chain Link Fence.
4. Adhesive anchors shall be Hilti HIT-HY 150 MAX Adhesive Anchors, or an approved equal, and shall be galvanized according to AASHTO M 232.
5. The fence post connection must resist a horizontal loading of 300 lbs. applied at the top of the fencing. The forces these elements induce on the wall must be accounted for in the wall design.
6. The Contractor may, with the Engineer's approval, adjust the size of base plate and location of the adhesive anchors as necessary to miss the coping reinforcement.

PAGE 1 of 1

SOIL BORING LOG

DATE 10/18/2011
LOGGED BY RJ
GSI JOB No. 1019.3

ROUTE FAI 94 DESCRIPTION I-94 Interchange & Bridge Reconstruction, IDOT Job• D-91-019-11
SECTION 49-1(HB&HB-1)R LOCATION Newport Township, Sections 4 & 9, T 46 N, R 11 E, 3rd PM
COUNTY Lake DRILLING METHOD Hand Auger HAMMER TYPE Manual
STRUCT. NO. n/a
Station n/a
BORING NO. FRRW-01
Station 78•97
Offset 49.5' Right
Ground Surface Elev. 723.8
Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
			100	
	PS	3.2B	18	
			103	CLAY LOAM-brown- very stiff to hard (A-6)
	PS	6.2B	14	
			101	
-5				
717.8	PS	6.2B	17	
				CLAY-gray-very stiff (A-6)
	PS	2.9B	23	
714.8				
End Of Boring @ -9.0' Hand Auger				
-10				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS•Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery, PS-1 inch inside diameter push sample.

PAGE 1 of 1

SOIL BORING LOG

DATE 10/18/2011
LOGGED BY RJ
GSI JOB No. 1019.3

ROUTE FAI 94 DESCRIPTION I-94 Interchange & Bridge Reconstruction, IDOT Job• D-91-019-11
SECTION 49-1(HB&HB-1)R LOCATION Newport Township, Sections 4 & 9, T 46 N, R 11 E, 3rd PM
COUNTY Lake DRILLING METHOD Hand Auger HAMMER TYPE Manual
STRUCT. NO. n/a
Station n/a
BORING NO. FRRW-02
Station 78•22
Offset 40.0' Right
Ground Surface Elev. 722.0
Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 717.5
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
3.0" TOPSOIL 721.7				
	PS	0.25B	24	CLAY LOAM-brown- soft (A-6) Possible Fill
720.0				
	PS		NR	
			81	SILTY CLAY-brown & gray- soft (A-6) Wet
-5				
716.0	PS	0.25P	30	
				CLAY-gray-very stiff (A-6)
	PS	2.8B	22	
713.0				
End Of Boring @ -9.0' Hand Auger				
-10				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS•Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery, PS-1 inch inside diameter push sample.

PAGE 1 of 1

SOIL BORING LOG

DATE 10/18/2011
LOGGED BY RJ
GSI JOB No. 1019.3

ROUTE FAI 94 DESCRIPTION I-94 Interchange & Bridge Reconstruction, IDOT Job• D-91-019-11
SECTION 49-1(HB&HB-1)R LOCATION Newport Township, Sections 4 & 9, T 46 N, R 11 E, 3rd PM
COUNTY Lake DRILLING METHOD Hand Auger HAMMER TYPE Manual
STRUCT. NO. n/a
Station n/a
BORING NO. FRRW-03
Station 77•32
Offset 36.5' Right
Ground Surface Elev. 722.0
Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 714.0
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
2.0" TOPSOIL 721.8			***85***	
SILTY CLAY-brown & gray (Fill) 721.0				
	PS	1.8B	25	ORGANIC CLAY-dark brown to black- stiff (A-6) Wet
719.5				
	PS	0.4B	26	SILTY CLAY-brown & gray- soft (A-6) Wet
718.0			***102***	
-5				
	PS	5.5B	16	CLAY LOAM-brown-hard (A-6)
			99	
714.0	PS	5.0B	14	
			79	
CLAY-gray-stiff (A-6)				
712.0 -10	PS	1.2B	17	
End Of Boring @ -10.0' Hand Auger				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS•Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery, PS-1 inch inside diameter push sample.

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

FILE NAME =	USER NAME =	DESIGNED - RTA	REVISED -
		CHECKED - BLU	REVISED -
	PLOT SCALE =	DRAWN - RTA	REVISED -
	PLOT DATE =	CHECKED - BLU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MSE WALL – FENCE DETAILS & SOIL BORING LOGS
STRUCTURE NO. 049-W043
SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1199	49-1(HB & HB-1)R	LAKE	225	114
		CONTRACT NO. 60L76		
	ILLINOIS FED. AID PROJECT			

1/27/2012 3:50:32 PM
S:\IDOT\05_CADD\60L76 Russell Rdwy\60L76 Sheets\60L76-002-MSED.dgn