

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*74	(81-2-2) SLP	ROCK ISLAND	23	1
*1-74		ILLINOIS	CONTRACT NO. 64L89	

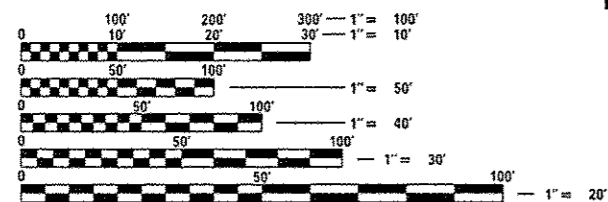
INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULES OF QUANTITIES
- 6-7 HORIZONTAL AND VERTICAL CONTROL
- 8 PLAN SHEET
- 9 PROFILE SHEET
- 10-11 SOIL BORING LOGS
- 12-21 CROSS SECTIONS
- 22 TYPICAL BENCHING ON EXISTING ENBANKMENT (D.S. 50.4)
- 23 DETAILS OF PLANTING AND BRACING TREES (D.S. 92.1)

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-10	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-06	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORTS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

**SOUTH MOLINE TOWNSHIP
SECTION (9)**



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

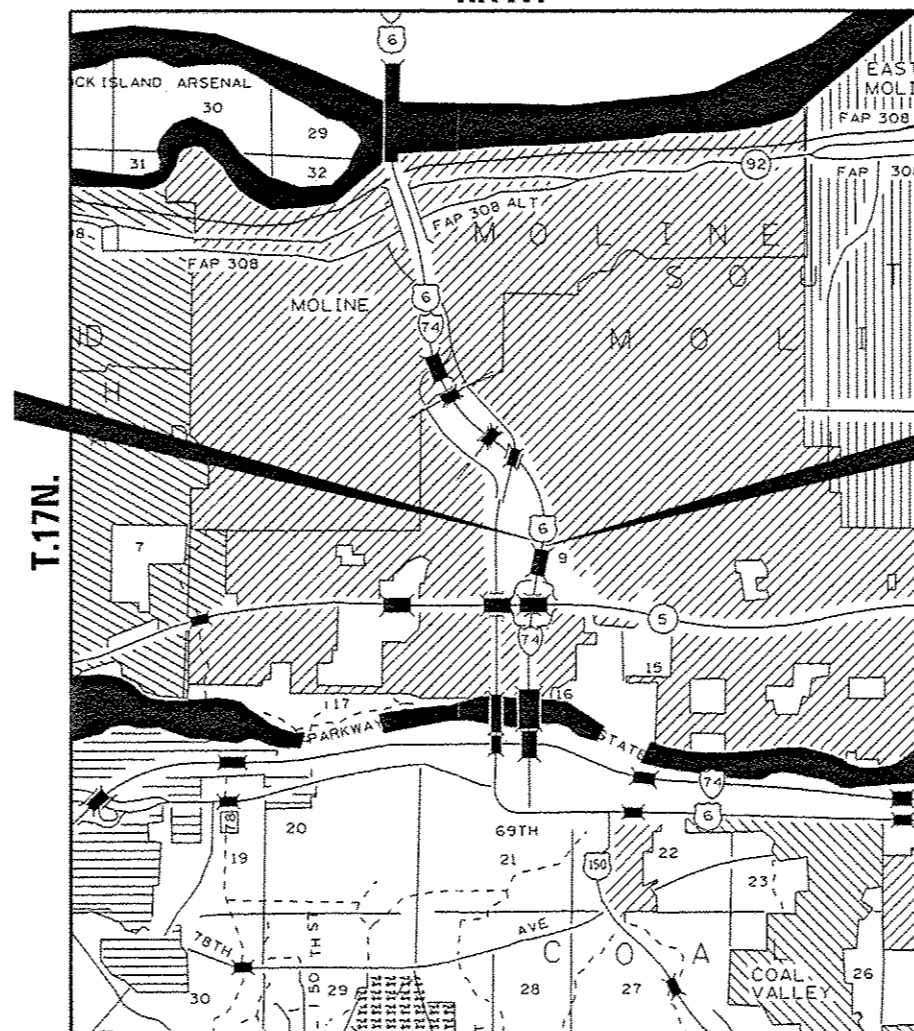
PROJECT ENGINEER: MAT DOBIE
PROJECT MANAGER: MATT MILLER (815)-284-5509

CONTRACT NO. 64L89

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 74 (I-74)
SECTION (81-2-2)SLP
PROJECT NHPP-0074 (325)
SLOPE STABILIZATION PROJECT
ROCK ISLAND COUNTY

C-92-031-17
R.1W.

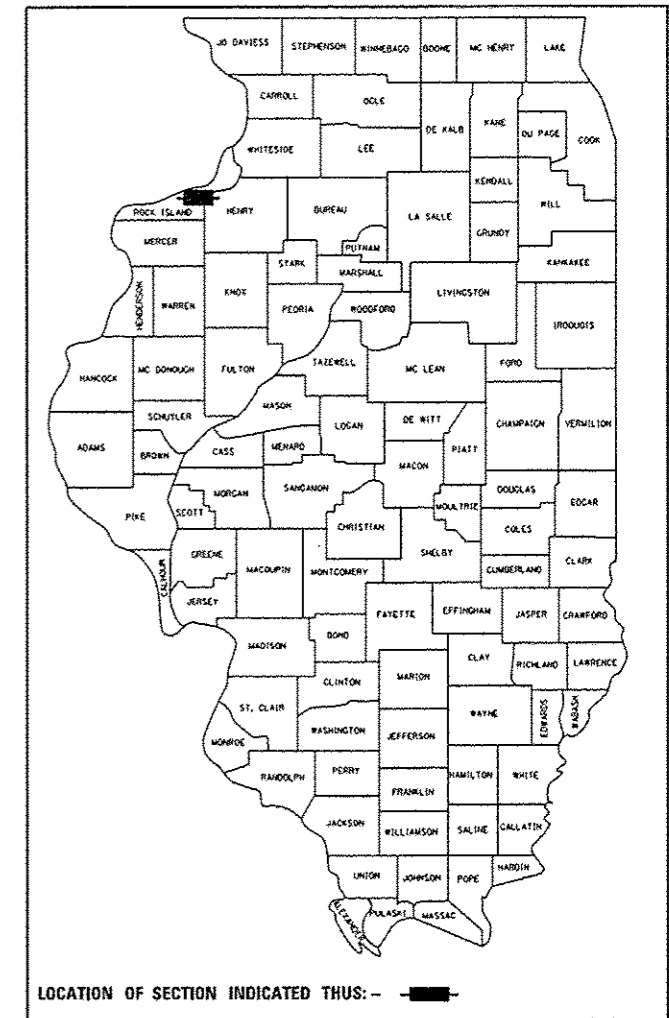


IMPROVEMENT /
PROJECT BEGINS
STA. 169 + 50

IMPROVEMENT/
PROJECT ENDS
STA. 172 + 57

GROSS LENGTH = 307 FT. = 0.06 MILE
NET LENGTH = 307 FT. = 0.06 MILE

D-92-111-16



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 03-24-2017
Kevin Marchetti
REGIONAL ENGINEER

May 12 2017
Mawreen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

GENERAL NOTES

The final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

It is estimated that 1,490 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

All earth excavation shall be removed from the project limits and wasted.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per Cubic Yard for FURNISHED EXCAVATION.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of FURNISHED EXCAVATION.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Geneseo Telephone Company 309-944-8025	MidAmerican Energy Company 563-333-8706
CenturyLink 563-355-6402	Mediacom 309-743-4750
Kentucky Data Link, Inc. 414-313-9032	City of Moline 309-797-0716
AT&T 630-573-5465	

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

Tree planting layout shall be performed by the District Roadside Management Specialist. Mulch shall be placed 4" thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

Excess trees that cannot be planted along I-74 project limits shall be planted at the alternative location of Loud Thunder Forest Preserve in Rock Island County as determined by the District Roadside Management Specialist.

FILE NAME = DOCUMENT 1	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	I-74	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN -	REVISED -			FAI 74 (I-74)	(81-2-2)SLP	Rock Island	23	2	
	PLOT DATE = 3/24/2017 7:14 AM	CHECKED -	REVISED -			CONTRACT NO. 64L89		ILLINOIS	FED. AID PROJECT		
		DATE = 3/24/2017 7:13 AM	REVISED -			SCALE	SHEET NO.	OF	SHEETS	STA	TO STA.

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONST. CODE	
			URBAN	90% FED 10% STATE
20100500	TREE REMOVAL, ACRES	ACRE	1.00	1.00
20200100	EARTH EXCAVATION	CU YD	2258	2258
20400800	FURNISHED EXCAVATION	CU YD	1683	1683
25100630	EROSION CONTROL BLANKET	SQ YD	4464	4464
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500	500
28000305	TEMPORARY DITCH CHECKS	FOOT	775	775
28000400	PERIMETER EROSION BARRIER	FOOT	592	592
52200015	PERMANENT SHEET PILING	SQ FT	8800	8800
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	47	47
67100100	MOBILIZATION	LSUM	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	LSUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1	1
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1
A2006414	TREE, QUERCUS ALBA (WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	40	40
X0700001	GEOSYNTHETIC CONCRETE COMPOSITE MAT	SQ FT	14511	14511

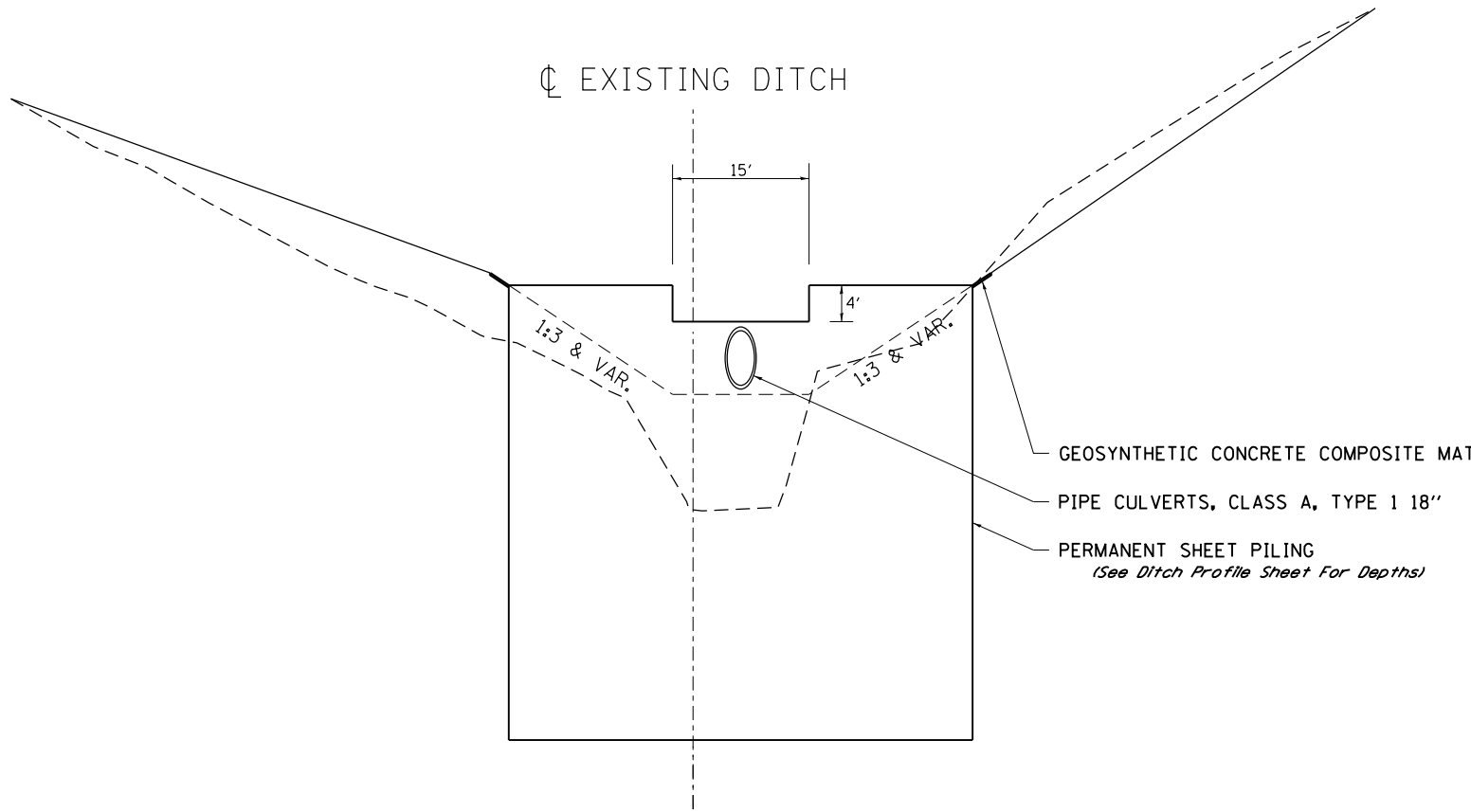
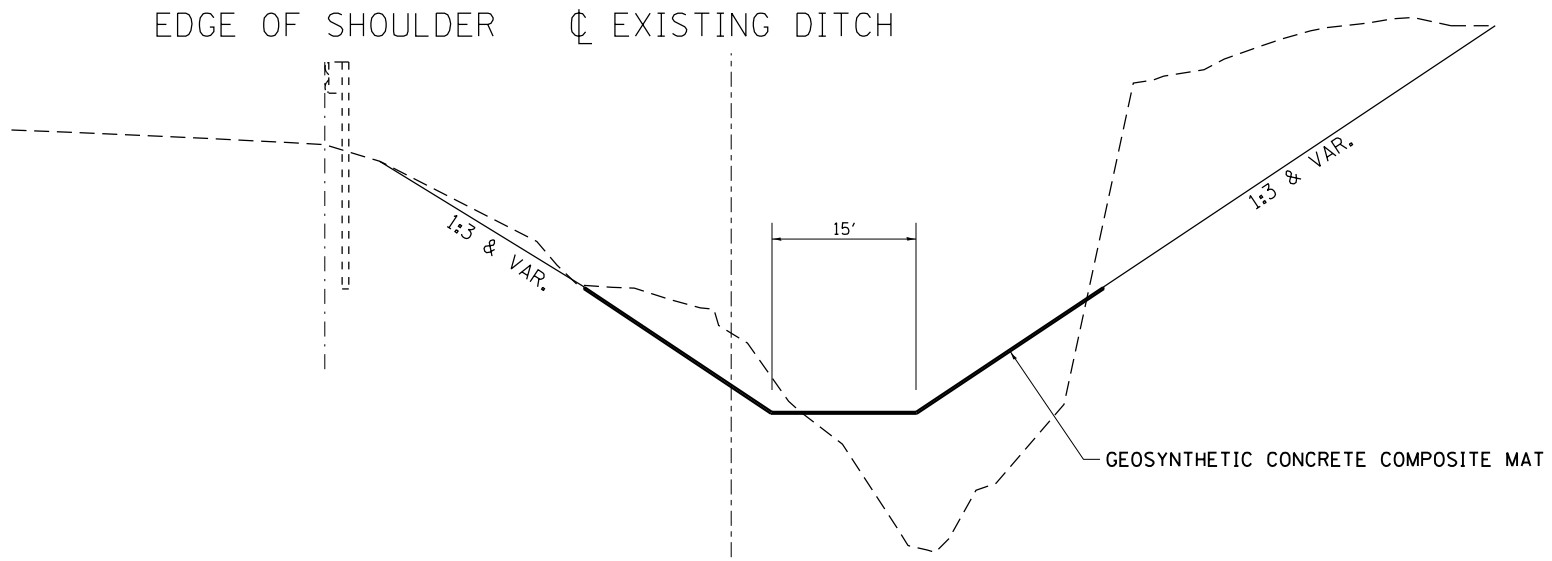
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15

* SPECIALTY ITEM

REV

TYPICAL SECTIONS



FILE NAME =	USER NAME = bates1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = Mar-21-2017 08:48:29 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-2-2) SLP	ROCK ISLAND	23	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64L89	

SCHEDULE OF QUANTITIES

20100500 TREE REMOVAL, ACRES

LOCATION	ACRE	REMARKS
STA 9+90 - 13+27 LT & RT	1.00	ALL TREES TO BE REMOVED WITHIN CONST. LIMITS
TOTAL	1.00	

25100630 EROSION CONTROL BLANKET

LOCATION	SQ YD	REMARKS
STA 9+90 - 13+27 LT & RT	4464	PLACED ON ALL REMAINING DISTURBED SOIL AFTER GCCM PLACEMENT
TOTAL	4464	

28000250 TEMPORARY EROSION CONTROL SEEDING

LOCATION	POUND	REMARKS
STA 9+90 - 13+27 LT & RT	500	
TOTAL	500	

28000305 TEMPORARY DITCH CHECKS

LOCATION	FOOT	REMARKS
STA 10+00 - 13+10	775	SPACED EVERY 10 FT ALONG CHANNEL
TOTAL	775	

28000400 PERIMETER EROSION BARRIER

LOCATION	FOOT	REMARKS
STA 9+90 - 13+27 RT	592	
TOTAL	592	

52200015 PERMANENT SHEET PILING

LOCATION	SQ FT	REMARKS
STA 10+91.25	2120	53 FT WIDE
STA 11+35.25	1925	55 FT WIDE
STA 11+79.25	1830	61 FT WIDE
STA 12+23.20	1275	51 FT WIDE
STA 12+67.25	1650	60 FT WIDE
TOTAL	8800	

542A0223 PIPE CULVERTS, CLASS A, TYPE 1 18"

LOCATION	ION	REMARKS
STA 10+91.25	9	
STA 11+35.25	9	
STA 11+79.25	9	
STA 12+23.20	9	
STA 12+67.25	11	
TOTAL	47	

GEOSYNTHETIC CONCRETE COMPOSITE MAT

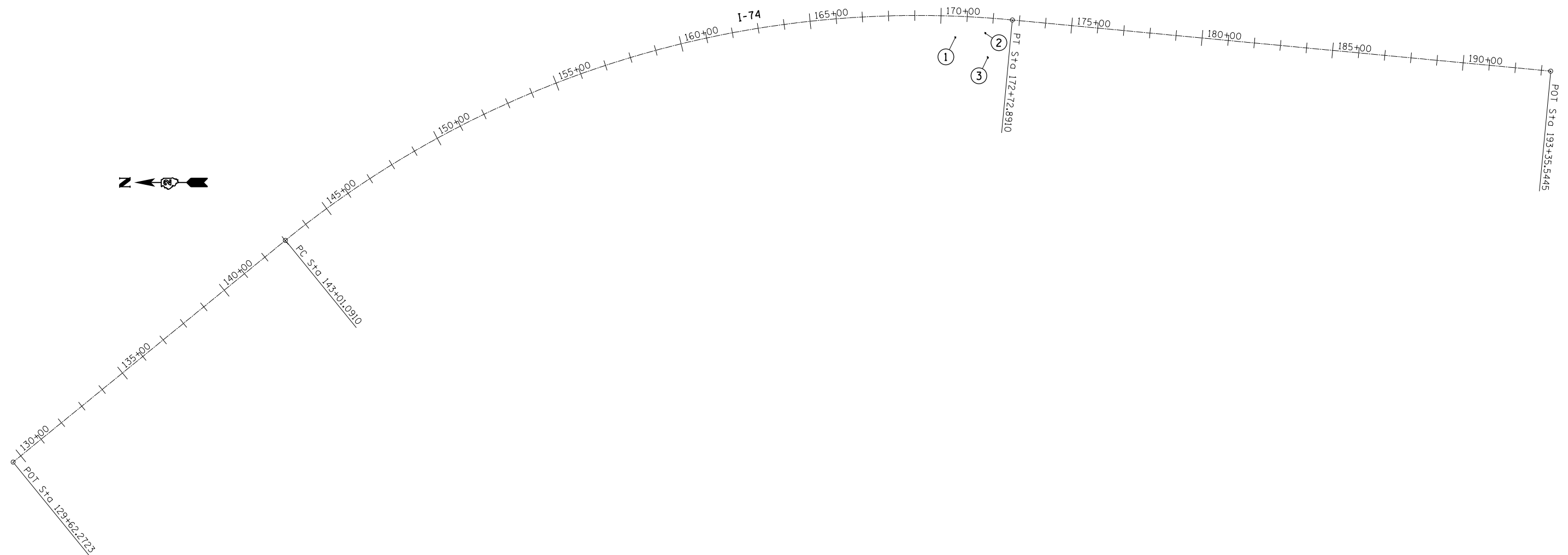
LOCATION	SQ FT	REMARKS
STA 10+00 - 13+10	14511	SEE CROSS SECTION FOR WIDTHS ALONG CHANNEL
TOTAL	14511	

CONTRACT # 64L89					
EARTHWORK SCHEDULE					
LOCATION	20200100 EARTH EX. (CUT) (CU YD)	EARTH EX. ADJ SHRINK 25% (CU YD)	20400800 FURNISHED EX. (FILL) (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)	
10+00 - 10+50	319.9	239.9	10.1	229.8	
10+50 - 11+00	1153.5	865.1	1.5	863.6	
11+00 - 11+50	447.0	335.3	458.7	-123.5	
11+50 - 12+00	124.3	93.2	549.2	-456.0	
12+00 - 12+50	121.7	91.3	333.0	-241.7	
12+50 - 13+10	91.5	68.6	330.1	-261.5	
Total	2257.9	1693.4	1682.6	10.8	

HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1751954.8690	2206787.1783	617.7290	I-74	170+57.58	81.3393' RT	TOPO SURVEY POINT, PIN
2	1751840.6129	2206803.6144	619.3530	I-74	171+72.92	58.823' RT	TOPO SURVEY POINT, PIN
3	1751831.2082	2206709.8215	592.9456	I-74	171+89.37	151.718' RT	TOPO SURVEY POINT, NAIL
KA33	1743331.1184	2196453.0067	589.0529	I-74	OUT OF CHAIN	-----	GPS CONTROL POINT, PERM. SURVEY MARKER

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
I-74	A0401240	0401240	401241	401242	401243



FILE NAME =	USER NAME = bates-1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL SHEETS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\211116\Drawings\CADsheets\0211116-shr-ATB.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					74	81-2-2 (SLP)	ROCK ISLAND	23	6
Default	PLOT DATE = Mar-21-2017 09:22:50 AM	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 64L89				
					ILLINOIS FED. AID PROJECT							

HORIZONTAL & VERTICAL CONTROL

Chain I-74 contains:
A0401223 CUR A0401240 A0401272

Beginning chain I-74 description
=====

Point A0401223 N 1,755,548.53 E 2,205,169.21 Sta 129+62.27

Course from A0401223 to PC A0401240 140° 52' 10.93" Dist 1,338.82'

Curve Data
-----*

Curve A0401240

P.I. Station 158+66.69 N 1,753,295.54 E 2,207,002.15
Delta = 44° 33' 16.76" (RT)
Degree = 1° 29' 57.29"
Tangent = 1,565.60'
Length = 2,971.80'
Radius = 3,821.63'
External = 308.26'
Long Chord = 2,897.49'
Mid. Ord. = 285.25'
P.C. Station 143+01.09 N 1,754,509.99 E 2,206,014.12
P.T. Station 172+72.89 N 1,751,736.95 E 2,206,854.15
C.C. N 1,752,098.21 E 2,203,049.63

Course from PT A0401240 to A0401272 185° 25' 27.69" Dist 2,062.65'

Point A0401272 N 1,749,683.53 E 2,206,659.17 Sta 193+35.54

Ending chain I-74 description
=====

Chain PAVEDDITCH contains:
50000 CUR PAVEDDITCH1 CUR PAVEDDITCH2 CUR PAVEDDITCH3 CUR PAVEDDITCH4 CUR PAVE-
DDITCH5 50001

Beginning chain PAVEDDITCH description
=====

Point 50000 N 1,752,060.06 E 2,206,798.09 Sta 10+00.00

Course from 50000 to PC PAVEDDITCH1 181° 41' 58.64" Dist 35.35'

Curve Data
-----*

Curve PAVEDDITCH1

P.I. Station 10+74.57 N 1,751,985.52 E 2,206,795.88
Delta = 25° 59' 03.61" (RT)
Degree = 33° 42' 12.24"
Tangent = 39.22'
Length = 77.10'
Radius = 170.00'
External = 4.47'
Long Chord = 76.44'
Mid. Ord. = 4.35'
P.C. Station 10+35.35 N 1,752,024.73 E 2,206,797.04
P.T. Station 11+12.45 N 1,751,950.79 E 2,206,777.66
C.C. N 1,752,029.77 E 2,206,627.12

Course from PT PAVEDDITCH1 to PC PAVEDDITCH2 207° 41' 02.26" Dist 10.58'

Curve Data
-----*

Curve PAVEDDITCH2

P.I. Station 11+29.63 N 1,751,935.57 E 2,206,769.67
Delta = 7° 33' 31.94" (RT)
Degree = 57° 17' 44.81"
Tangent = 6.61'
Length = 13.19'
Radius = 100.00'
External = 0.22'
Long Chord = 13.18'
Mid. Ord. = 0.22'
P.C. Station 11+23.03 N 1,751,941.42 E 2,206,772.74
P.T. Station 11+36.22 N 1,751,930.17 E 2,206,765.86
C.C. N 1,751,987.88 E 2,206,684.19

Course from PT PAVEDDITCH2 to PC PAVEDDITCH3 215° 14' 34.20" Dist 18.32'

Curve Data
-----*

Curve PAVEDDITCH3

P.I. Station 11+58.45 N 1,751,912.02 E 2,206,753.03
Delta = 4° 28' 35.75" (LT)
Degree = 57° 17' 44.81"
Tangent = 3.91'
Length = 7.81'
Radius = 100.00'
External = 0.08'
Long Chord = 7.81'
Mid. Ord. = 0.08'
P.C. Station 11+54.54 N 1,751,915.21 E 2,206,755.29
P.T. Station 11+62.35 N 1,751,908.66 E 2,206,751.04
C.C. N 1,751,857.51 E 2,206,836.96

Course from PT PAVEDDITCH3 to PC PAVEDDITCH4 210° 45' 58.45" Dist 54.54'

Curve Data
-----*

Curve PAVEDDITCH4

P.I. Station 12+40.29 N 1,751,841.39 E 2,206,711.68
Delta = 10° 40' 48.83" (LT)
Degree = 22° 53' 28.93"
Tangent = 23.40'
Length = 46.66'
Radius = 250.29'
External = 1.09'
Long Chord = 46.59'
Mid. Ord. = 1.09'
P.C. Station 12+16.90 N 1,751,861.79 E 2,206,723.13
P.T. Station 12+63.55 N 1,751,819.22 E 2,206,704.21
C.C. N 1,751,739.27 E 2,206,941.39

Curve Data
-----*

Curve PAVEDDITCH5

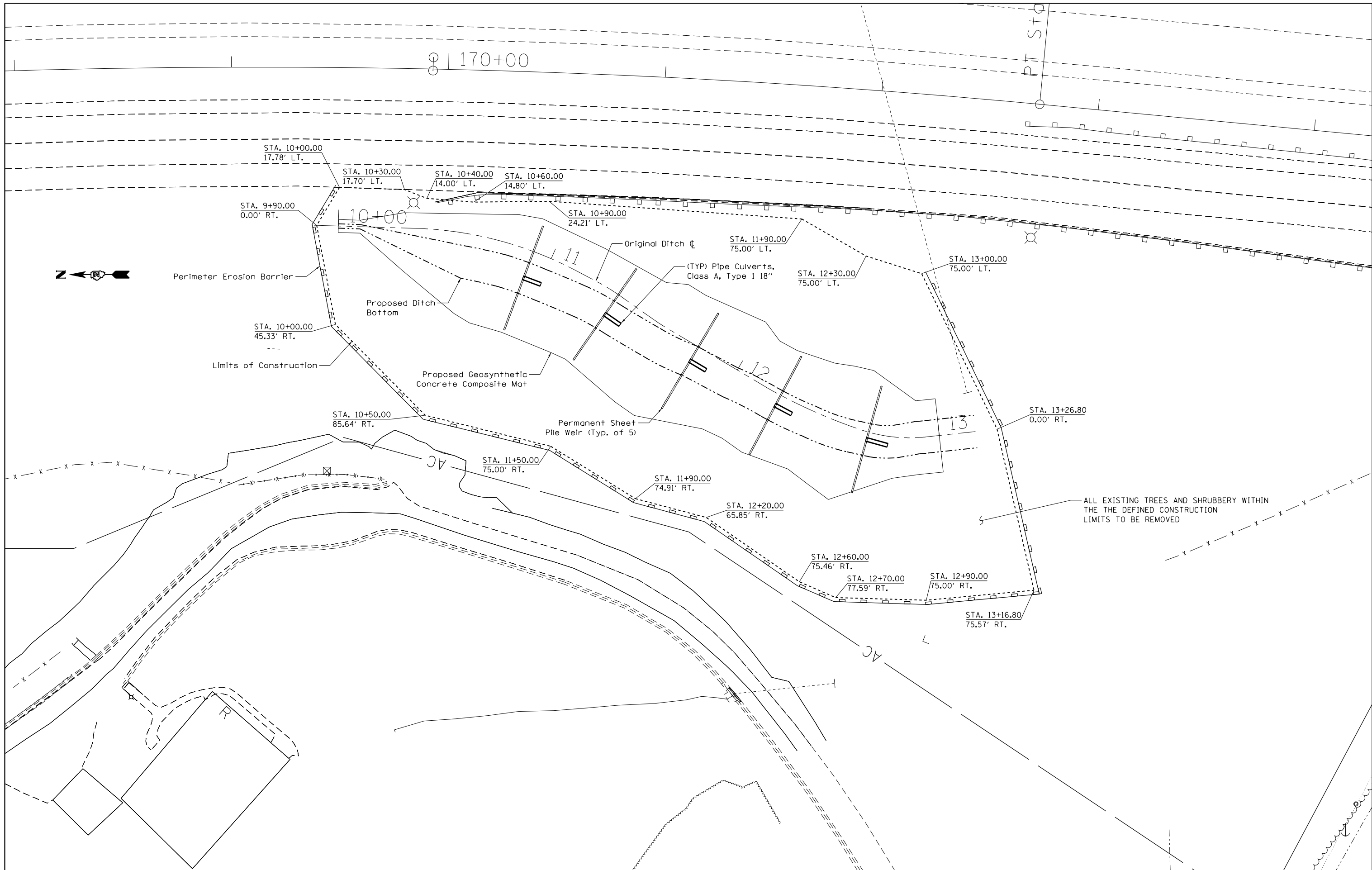
P.I. Station 12+78.98 N 1,751,804.61 E 2,206,699.28
Delta = 24° 51' 18.14" (LT)
Degree = 81° 51' 04.01"
Tangent = 15.43'
Length = 30.37'
Radius = 70.00'
External = 1.68'
Long Chord = 30.13'
Mid. Ord. = 1.64'
P.C. Station 12+63.55 N 1,751,819.22 E 2,206,704.21
P.T. Station 12+93.92 N 1,751,789.27 E 2,206,700.95
C.C. N 1,751,796.86 E 2,206,770.54

Course from PT PAVEDDITCH5 to 50001 173° 46' 30.91" Dist 22.88'

Point 50001 N 1,751,766.53 E 2,206,703.43 Sta 13+16.80

Ending chain PAVEDDITCH description
=====

FILE NAME =	USER NAME = bates-1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL SHEETS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\21111111\DRAWING\CADsheets\0211116-shr-ATB.dgn		CHECKED -	REVISED -					74	81-2-2 (SLP)	ROCK ISLAND	23	7
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	PLOT DATE = Mar-21-2017 09:23:08 AM							SCALE:	SHEET	OF	SHEETS	STA.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

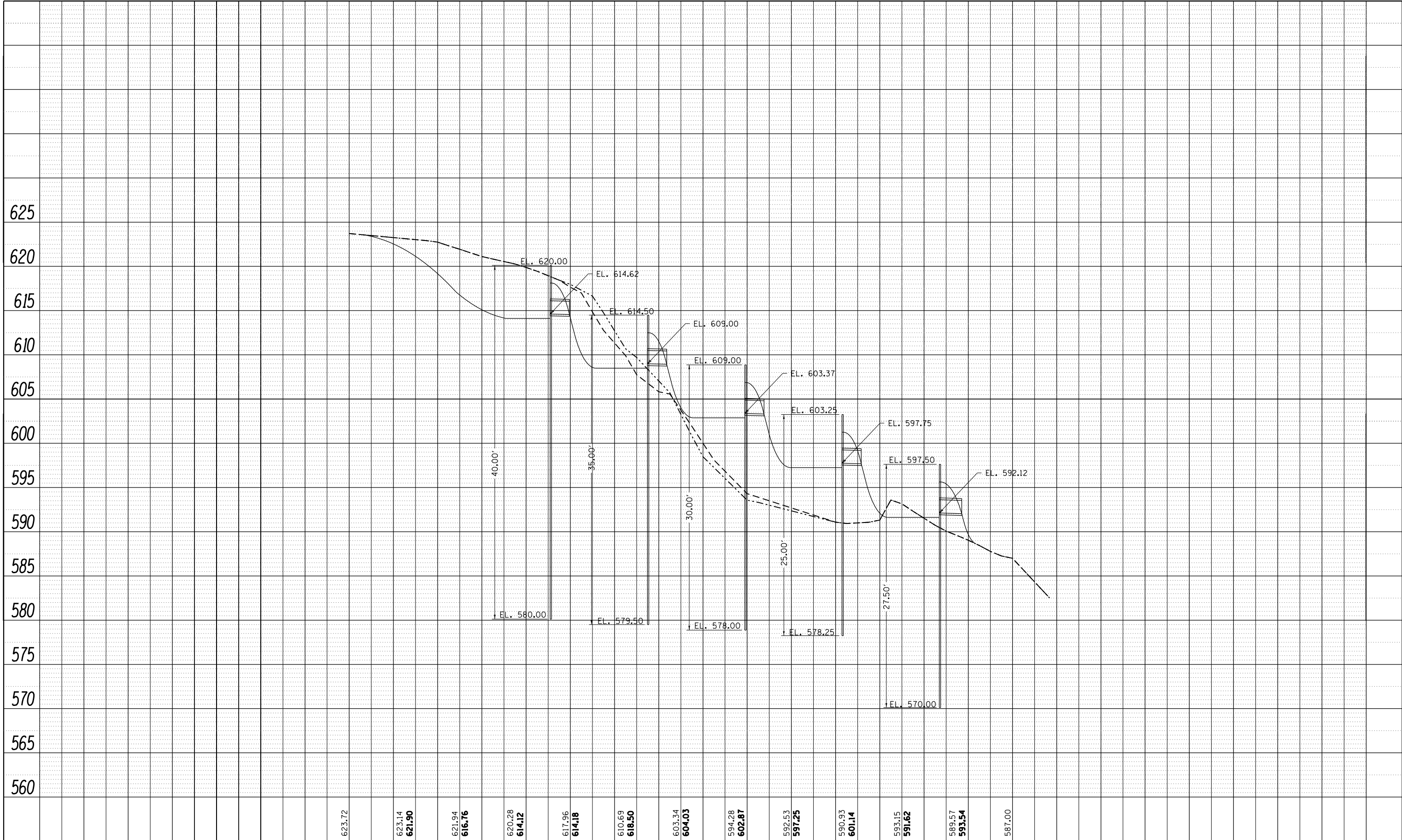
**SLOPE STABILIZATION
PLAN SHEET**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(S1-2-2) SLP	ROCK ISLAND	23	8
CONTRACT NO. 64L89				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
CARD FILE NAME	ALIGNMENT CHECKED	
	STRUCTURE	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	




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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Mar-24-2017 11:24:23 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SLOPE STABILIZATION PROFILE SHEET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-2-2) SLP	ROCK ISLAND	23	9
CONTRACT NO. 64L89				
ILLINOIS FED. AID PROJECT				

BORING LOGS


 Illinois Department of Transportation
 Division of Highways
 IDOT

Page 1 of 1

SOIL BORING LOG

Date 10/29/13


ROUTE FAI 74 DESCRIPTION P92-040-11, .1 m. N. of 38th Avenue LOGGED BY W. Garza
 SECTION - LOCATION S. Moline Twp. - 9SE, SEC. , TWP. 17N, RNG. 1W
 COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. _____ Latitude _____ Northing _____
 Station _____ Longitude _____ Easting _____

BORING NO.	Station	Offset	Ground Surface Elev.	Soil Description				Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After _____ Hrs.
				D P T H (ft)	B L W S (/6")	U C S Qu (tsf)	M O S T (%)						
-90.494238	41.476388		591.50										
DRY brown SILTY CLAY LOAM													
	589.50				11							12.0	
HARD light gray SILTY LOAM													
	588.00				7	4.5						16.0	
					6	P							
VERY STIFF gray SANDY LOAM													
	585.50				6		3.2					9.0	
					7	P							
MEDIUM gray SANDY LOAM with SAND lens													
	582.50				2		0.8					17.0	
					3	P							
LOOSE gray dirty SAND													
	580.00				1								
					2								
					3								
MEDIUM gray SILT with fine SAND lens													
	577.50				1		0.5					26.0	
					2	P							
LOOSE gray dirty SANDY GRAVEL													
	575.00				2								
					2								
					3								
MEDIUM light gray SHALE													
	573.00				4							13.0	
					5								
					16								
					20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)


 Illinois Department of Transportation
 Division of Highways
 IDOT

Page 1 of 2

SOIL BORING LOG

Date 11/5/13

ROUTE FAI 74 DESCRIPTION P92-040-11, .1 m. N. of 38th Avenue LOGGED BY W. Garza
 SECTION - LOCATION S. Moline Twp. - 9SE, SEC. , TWP. 17N, RNG. 1W
 COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. _____ Latitude _____ Northing _____
 Station _____ Longitude _____ Easting _____

BORING NO.	Station	Offset	Ground Surface Elev.	Soil Description				Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After _____ Hrs.
				D P T H (ft)	B L W S (/6")	U C S Qu (tsf)	M O S T (%)						
-90.493441	41.476725		622.50										
11.5" Asphalt Shoulder													
	620.50				7								
VERY STIFF light gray SILTY LOAM													
	619.00				9	3.5						18.0	
					14	P							
VERY DENSE gray CONCRETE? moved to 1171+61													
	616.50				50+								
					45								
					00/6"								
VERY DENSE gray CONCRETE													
	614.00												
					4		2.9					21.0	
					6	B							
Hard Drilling VERY DENSE gray dirty AGGREGATE with CONCRETE													
	611.50				39								
					62		13.0						
					20								
HARD gray CLAY LOAM TILL													
	609.00				9		4.5					14.0	
					11	P							
VERY STIFF tan SILTY LOAM													
	606.50				4		2.8					17.0	
					4	P							
					7								
DENSE wood ORGANICS (tree roots)													
	604.00				7								
					8								
					11								
No Recovery													
					6								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

BORING LOGS



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 11/5/13

ROUTE FAI 74 DESCRIPTION P92-040-11, .1 m. N. of 38th Avenue LOGGED BY W. Garza
SECTION - LOCATION S. Moline Twp. - 9SE, SEC. , TWP. 17N, RNG. 1W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 1172+01 Latitude _____ Northing _____
Station _____ Longitude _____ Easting _____

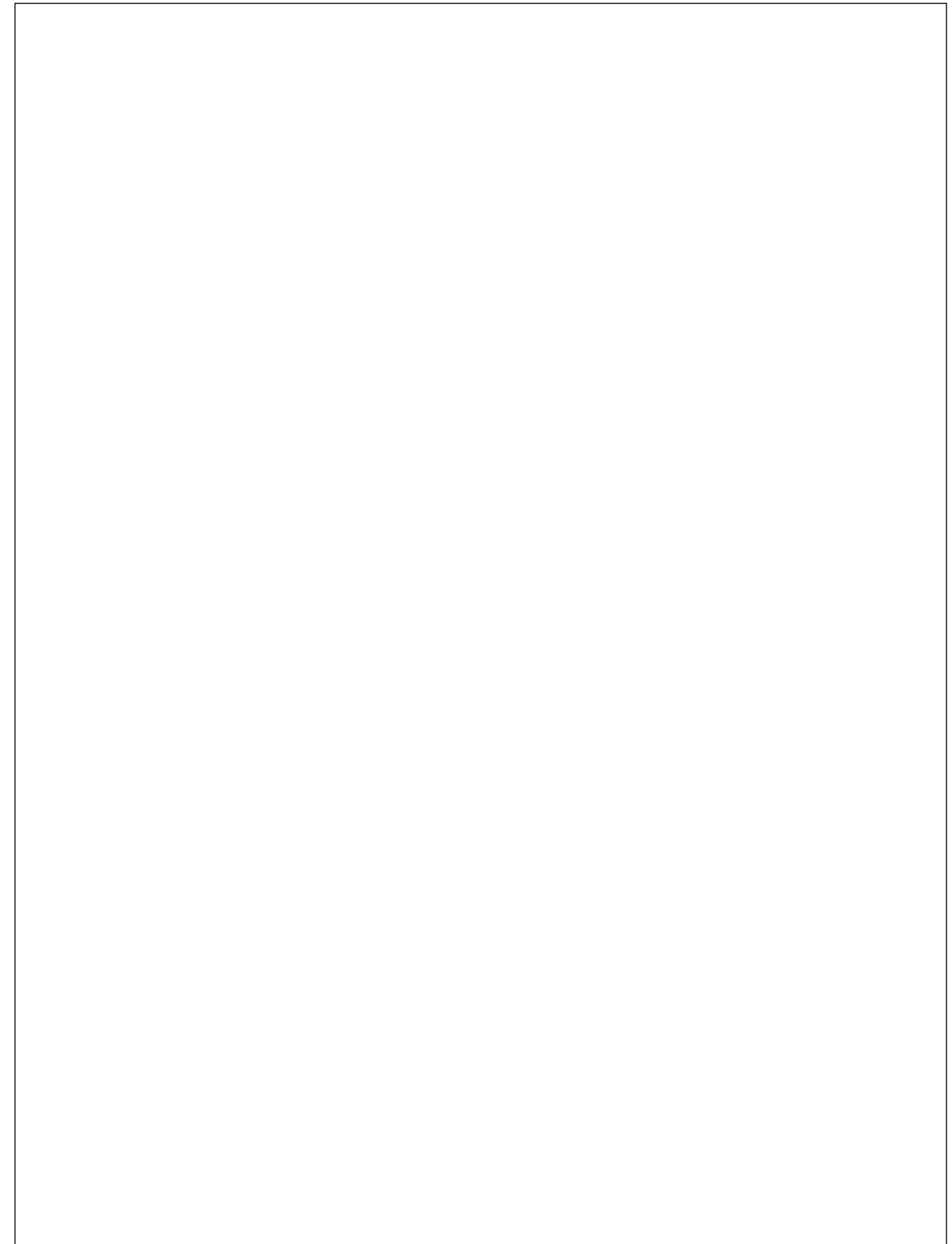
BORING NO. B-2c
Station 1171+61
Offset 20.00ft Lt NB CL
Ground Surface Elev. 622.50 ft

DELTS	U	M	Surface Water Elev.	_____ ft
T W S	Qu	T	Stream Bed Elev.	_____ ft
H S Qu			Groundwater Elev.:	
			First Encounter	<u>583.5</u> ft ▼
			Upon Completion	<u>577.5</u> ft ▼
			After <u>Dry</u> Hrs.	<u>574.5</u> ft ▼

DEPTH (ft)	SOIL DESCRIPTION	DELTA	U	M
(ft)	(/6")	(tsf)	(%)	
581.50	MEDIUM gray SAND with moist ORGANICS (continued)	5 7		
579.00	LOOSE gray dirty fine SAND	1 1 3		
576.00	LOOSE/MEDIUM gray dirty SANDY GRAVEL	∇-45 3 5 5		
574.00	VERY DENSE gray SHALE	52 ∇ 100/10'		
	End of Boring			

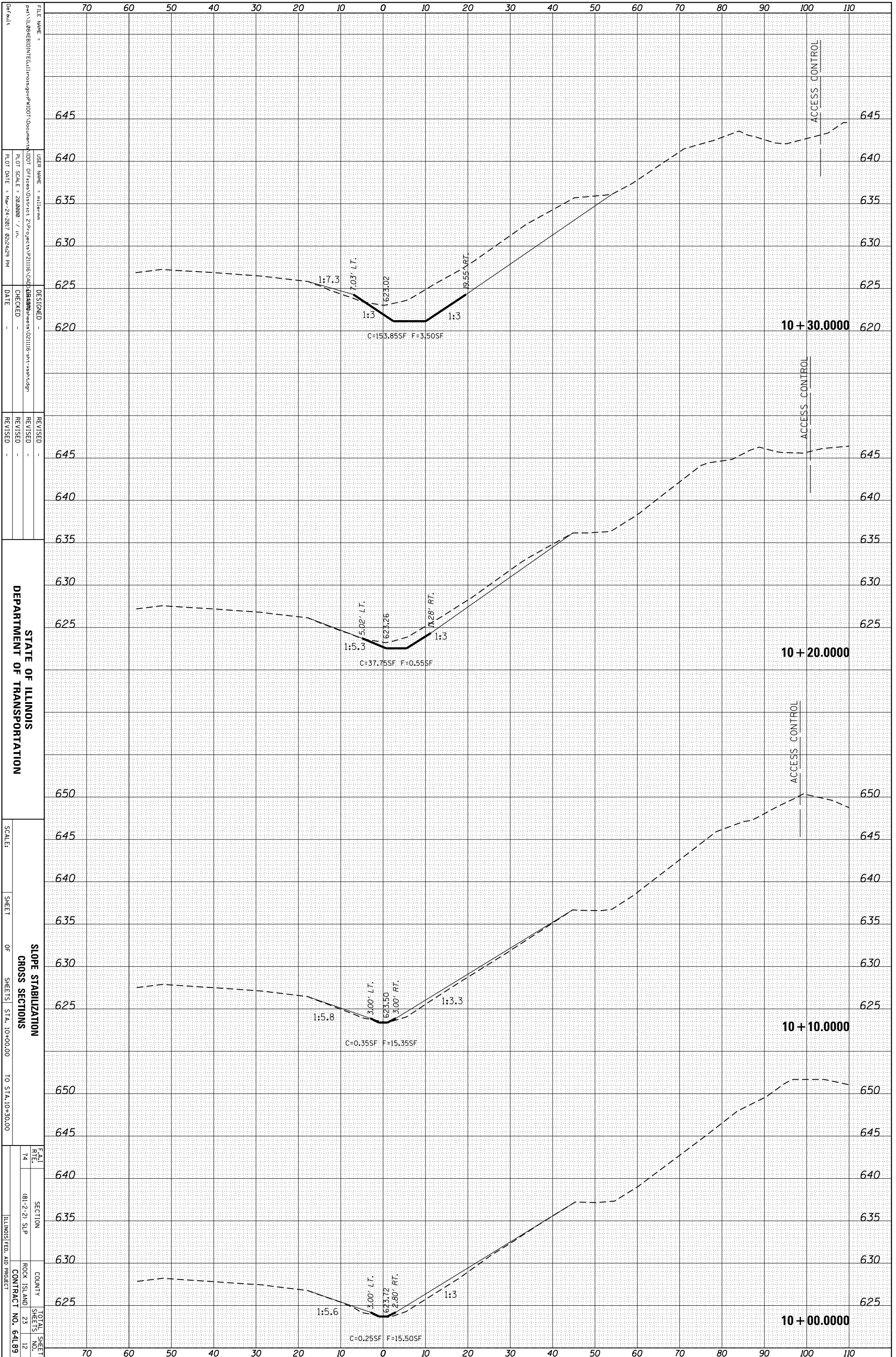
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: _____
SHEET _____ OF _____ SHEETS
STA. 10+00.00 TO STA. 10+30.00

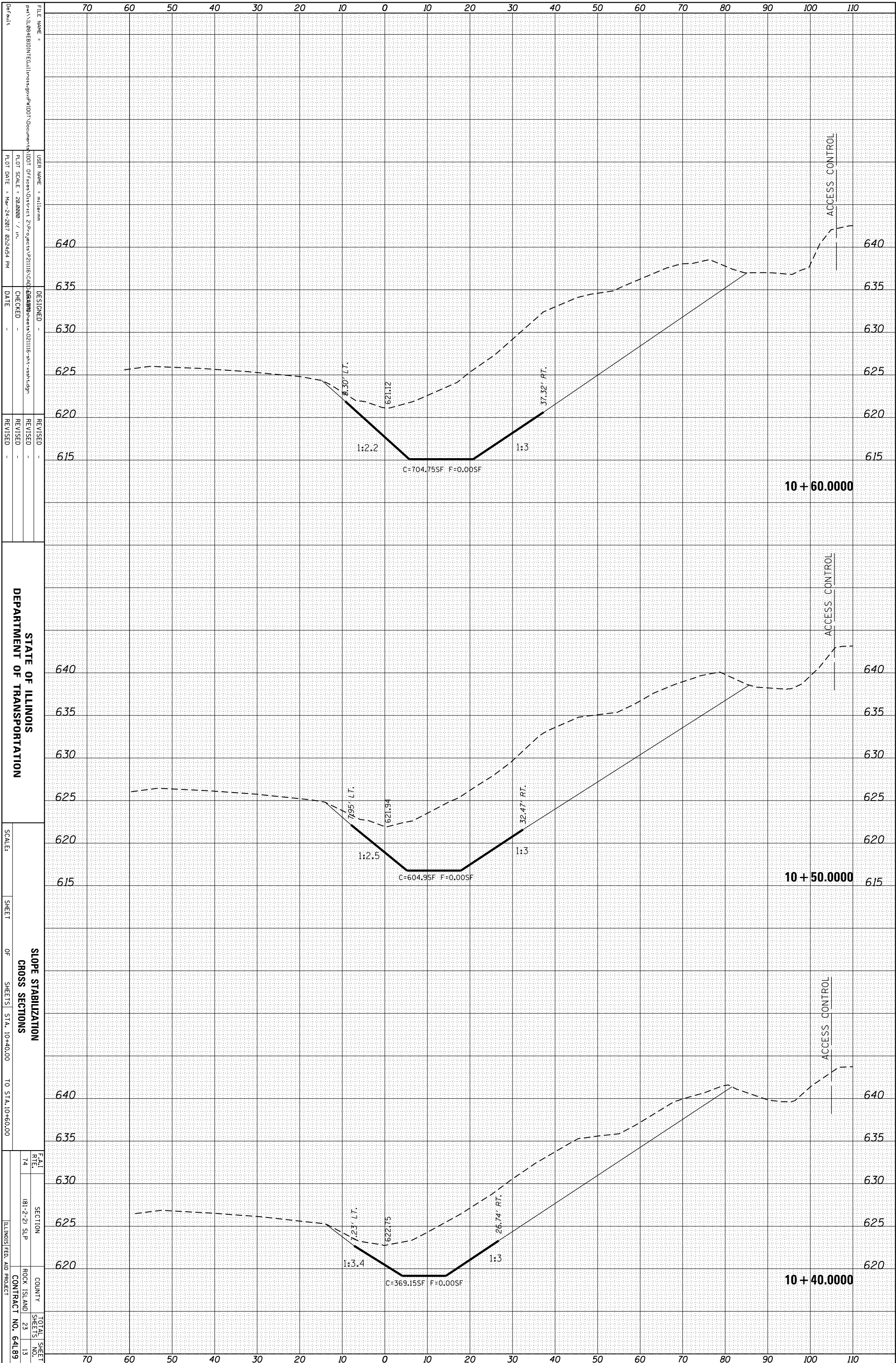
FAI SECTION COUNTY TOTAL SHEET NO.
74 (81-2-2) SLP ROCK ISLAND 23
ILLINOIS FED. AID PROJECT CONTRACT NO. 64L89

FILE NAME: ...
USER NAME: ...
PLOT SCALE: 28,000 / in.
PLOT DATE: Mar-24-2017 02:24:29 PM
DESIGNED: ...
CHECKED: ...
DATE: ...

REVISIONS:
REVISION NO. _____
DATE _____

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: _____
SHEET _____ OF _____ SHEETS
STA. 10+40.00 TO STA. 10+60.00

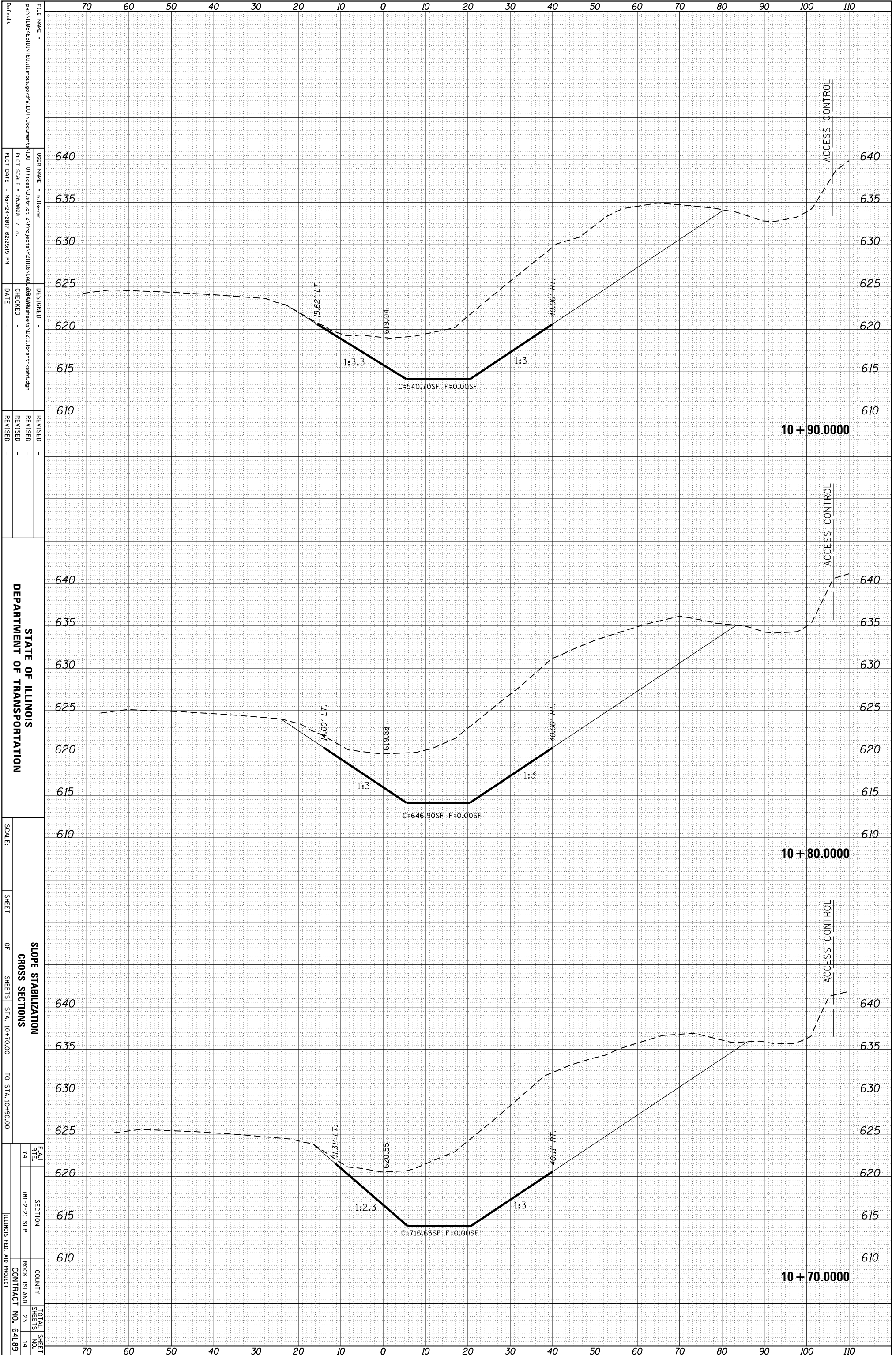
FAI
RTE. 74
SECTION (81-2-2) SLP
COUNTY ROCK ISLAND
CONTRACT NO. 64L89
TOTAL SHEET NO. 23
SHEETS 13

FILE NAME:
PROJECT:
DESIGNED:
CHECKED:
DATE:
REVISIONS:
REVISED:
REVISOR:
DATE:

USER NAME:
PLOT SCALE:
PLOT DATE:

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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 USER NAME = mlherm
 PLOT SCALE = 28.0000' / in.
 PLOT DATE = Mar-24-2017 02:25:15 PM

DESIGNED -
 CHECKED -
 DATE -

REVISID -
 REVISID -
 REVISID -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:
 SHEET OF SHEETS STA. 10+70.00 TO STA. 10+90.00

SLOPE STABILIZATION
 CROSS SECTIONS

FAI
 RTE
 74

SECTION
 (81-2-2) SLP

COUNTY
 ROCK ISLAND

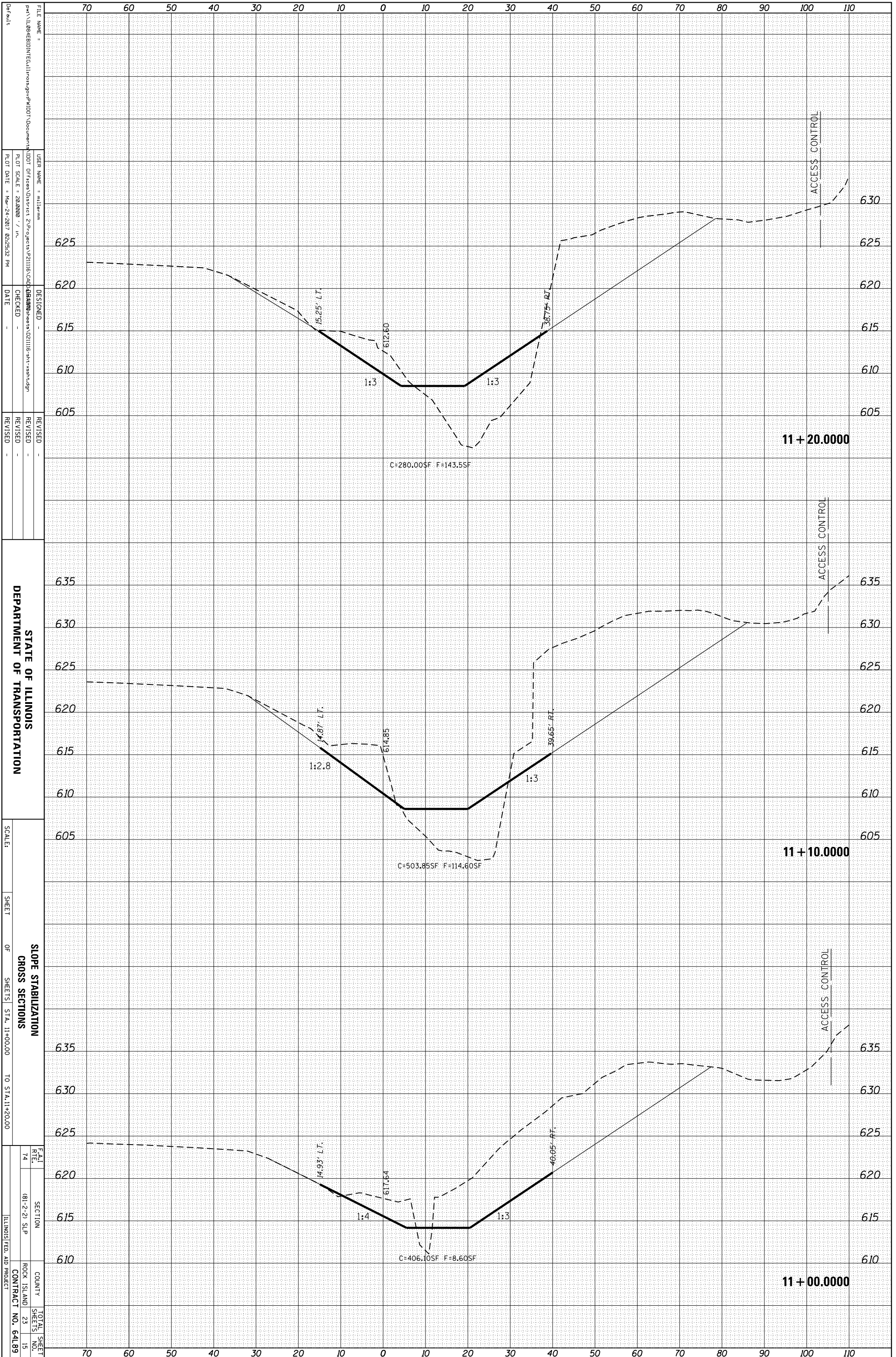
TOTAL SHEET
 SHEETS NO.
 23 14

CONTRACT NO. 64L89

ILLINOIS FED. AID PROJECT

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: _____
 SHEET _____ OF _____ SHEETS
 STA. 11+00.00 TO STA. 11+20.00

SLOPE STABILIZATION
 CROSS SECTIONS

F.A.I. RTE. 74	SECTION (81-2-2) SLP	COUNTY	TOTAL SHEET NO. 23
		ROCK ISLAND	SHEETS 15
		CONTRACT NO. 64L89	

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 DESIGNER = ...
 CHECKED = ...
 DATE = ...
 REVISIONS:

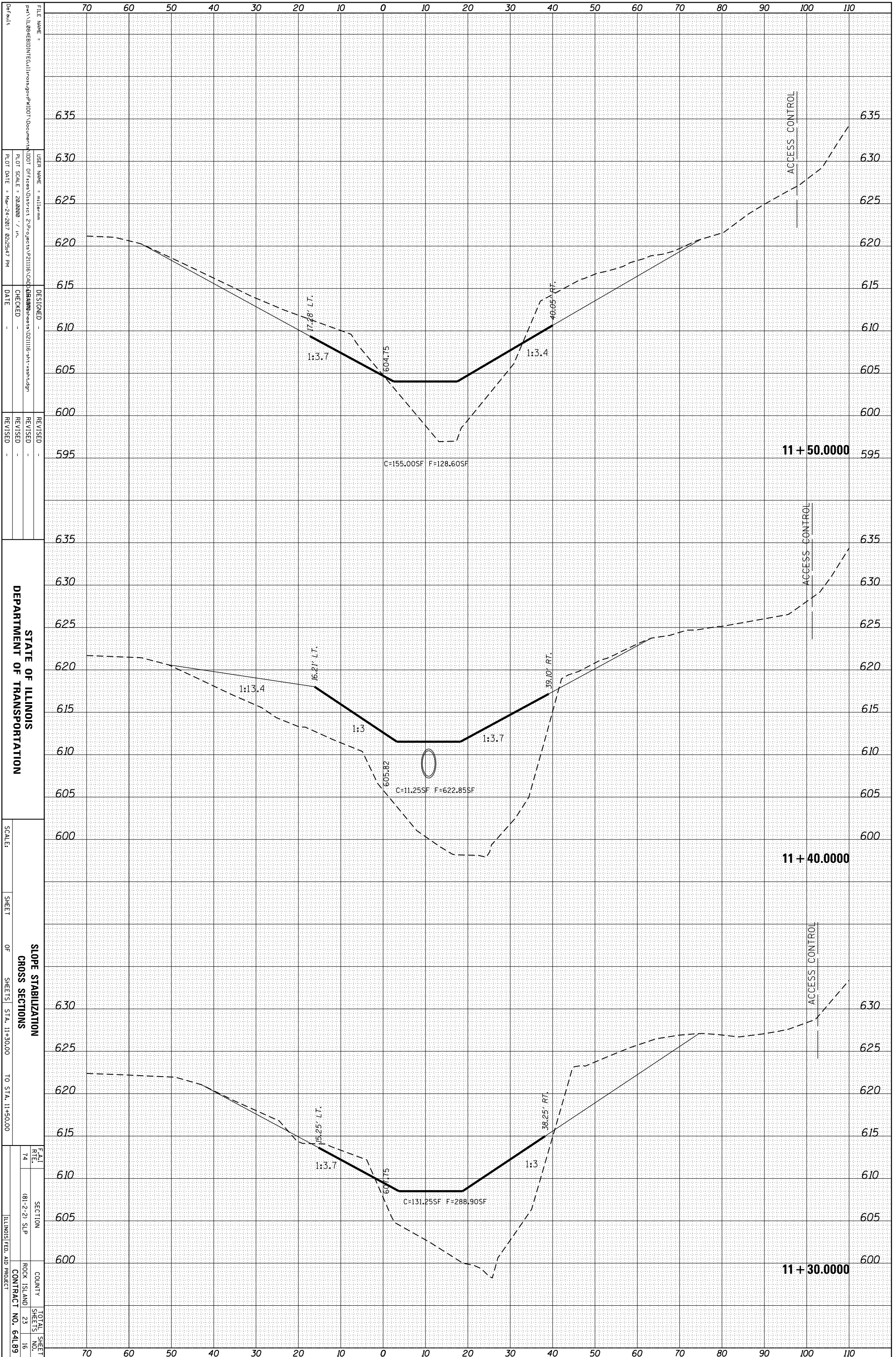
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 CHECKED = ...
 DATE = ...
 REVISIONS:

DESIGNED = ...
 CHECKED = ...
 DATE = ...
 REVISIONS:

DESIGNED = ...
 CHECKED = ...
 DATE = ...
 REVISIONS:

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

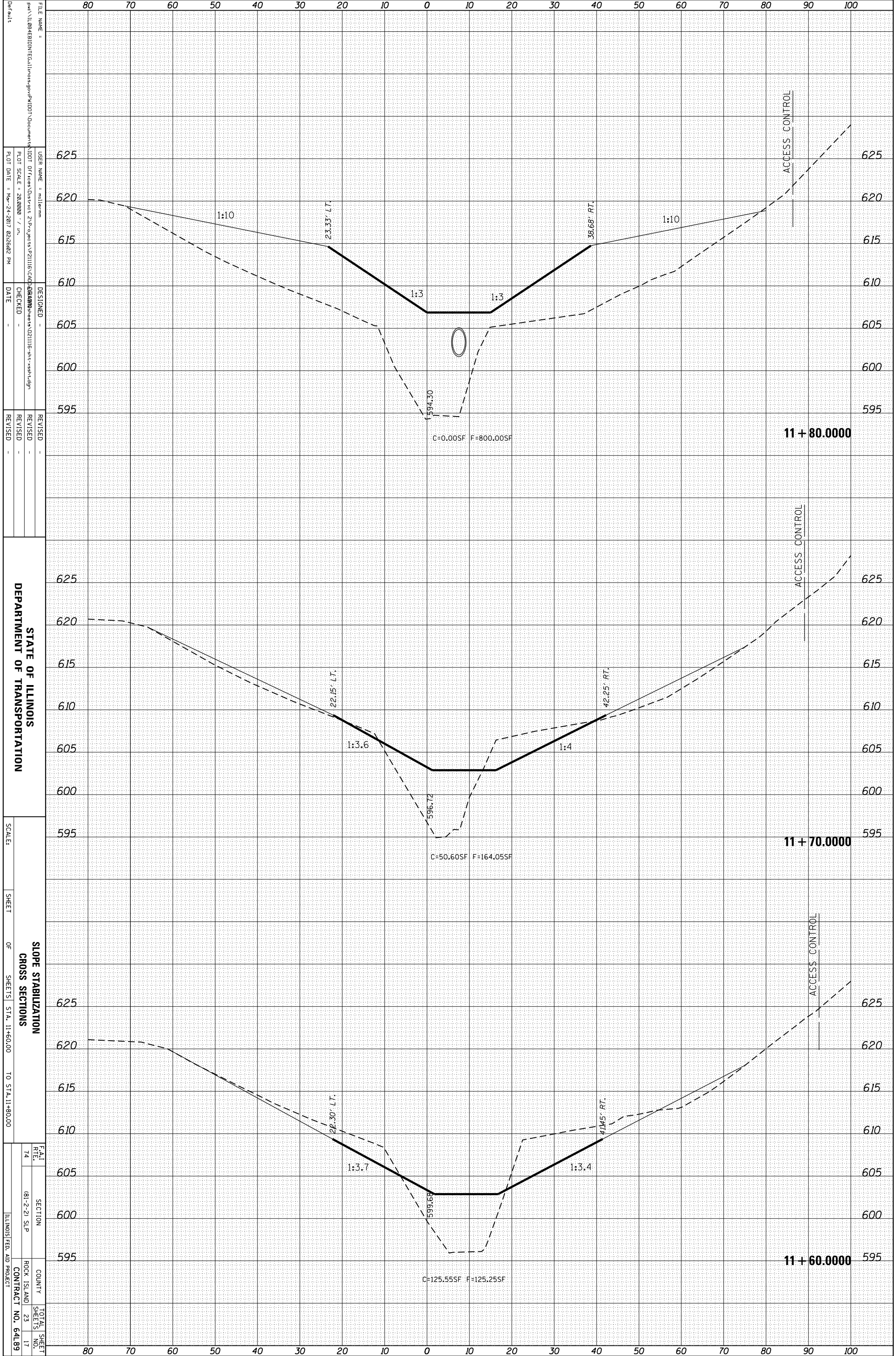
SCALE: _____
SHEET _____ OF _____ SHEETS
STA. 11+30.00 TO STA. 11+50.00

FAI RTE 74
SECTION (81-2)-SLP
COUNTY ROCK ISLAND
CONTRACT NO. 64L89
TOTAL SHEET NO. 23

FILE NAME: ...
USER NAME: ...
DESIGNED: ...
CHECKED: ...
DATE: ...
REVISIONS: ...

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



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 PLOT SCALE = 28.0000 / in.
 PLOT DATE = Mar-24-2017 02:26:02 PM

DESIGNED -
 CHECKED -
 DATE -

REVISOR -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:
 SHEET OF SHEETS STA. 11+60.00 TO STA. 11+80.00

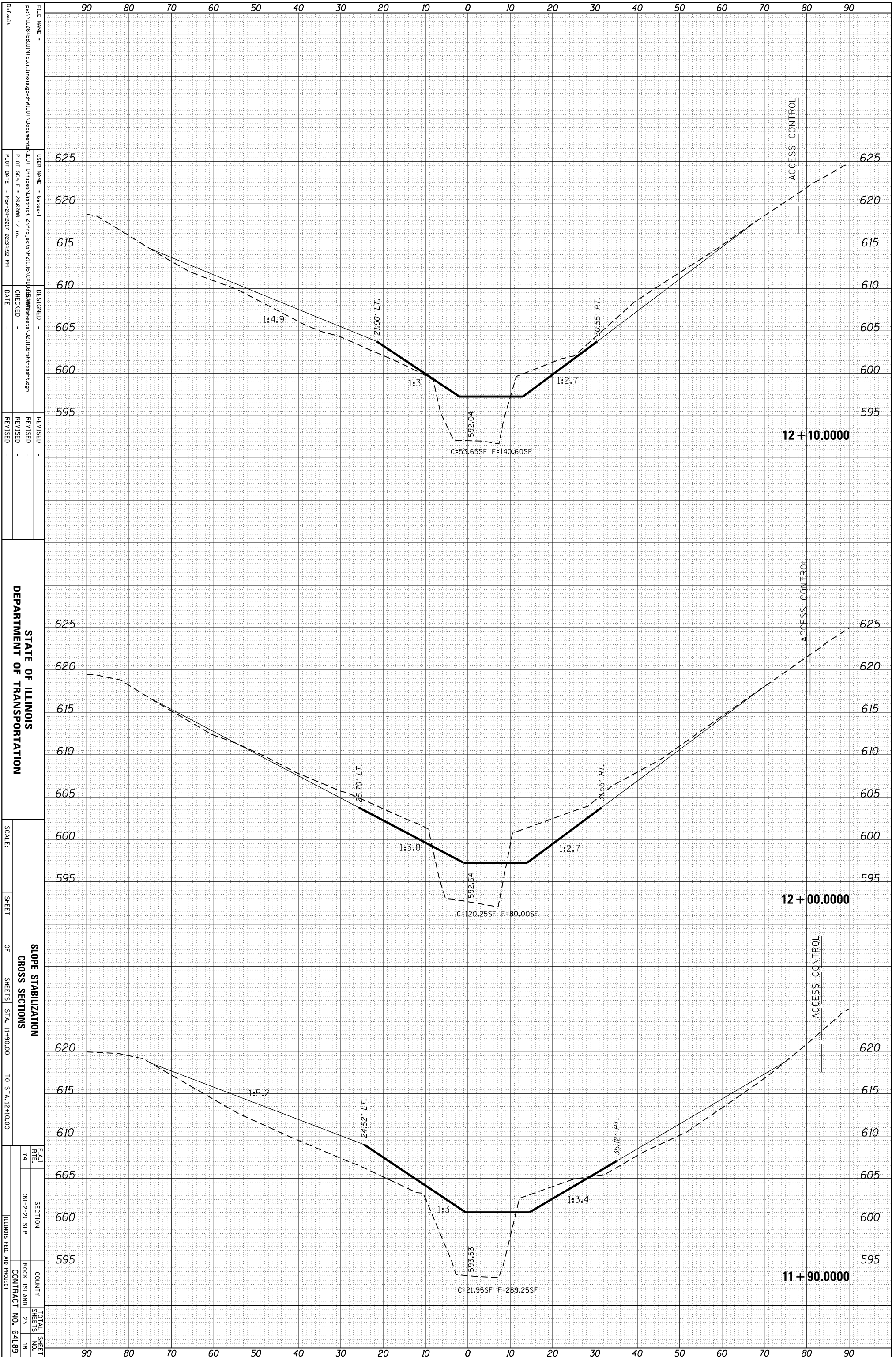
SLOPE STABILIZATION
 CROSS SECTIONS

SECTION (81-2-2) SLP
 COUNTY ROCK ISLAND
 CONTRACT NO. 64L89

TOTAL SHEET NO. 23
 SHEET NO. 17

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 11+90.00 TO STA. 12+10.00

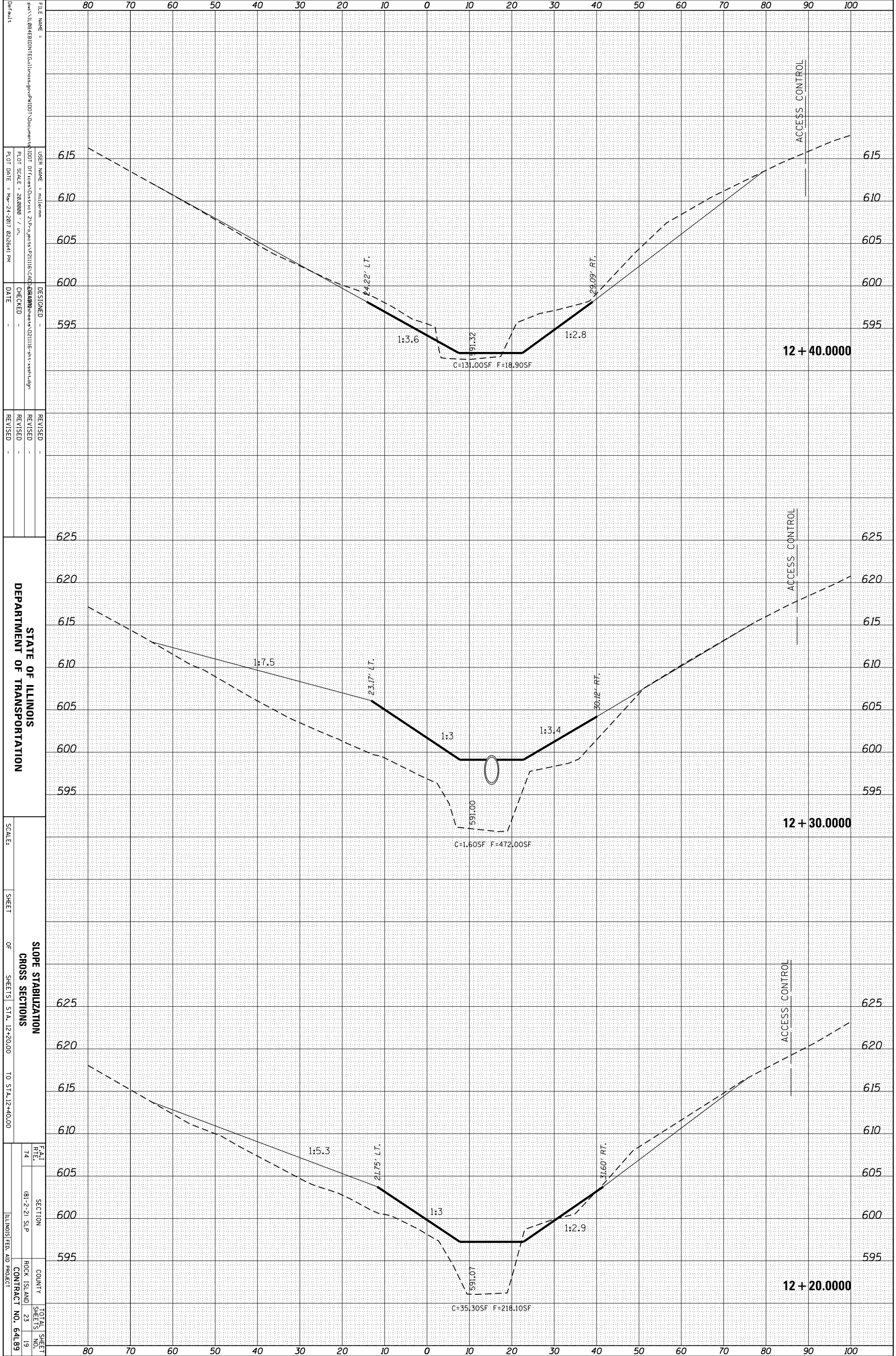
SLOPE STABILIZATION
CROSS SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
74	(81-2)-SLP	ROCK ISLAND	23
		CONTRACT NO.	64189

FILE NAME = ...
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DESIGNED - ...
CHECKED - ...
DATE - ...
REVISIONS - ...

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



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 PLOT SCALE = 28.0000 / in.
 PLOT DATE = Mar-24-2017 02:26:41 PM

DESIGNED -
 CHECKED -
 DATE -

REVISID -
 REVISID -
 REVISID -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:
 SHEET OF SHEETS STA. 12+20.00 TO STA. 12+40.00

SLOPE STABILIZATION
 CROSS SECTIONS

F.A.I. SECTION
 74 (81-2-2) SLP

COUNTY ROCK ISLAND
 CONTRACT NO. 64L89

TOTAL SHEET NO. 23
 SHEETS 19

12 + 40.0000

12 + 30.0000

12 + 20.0000

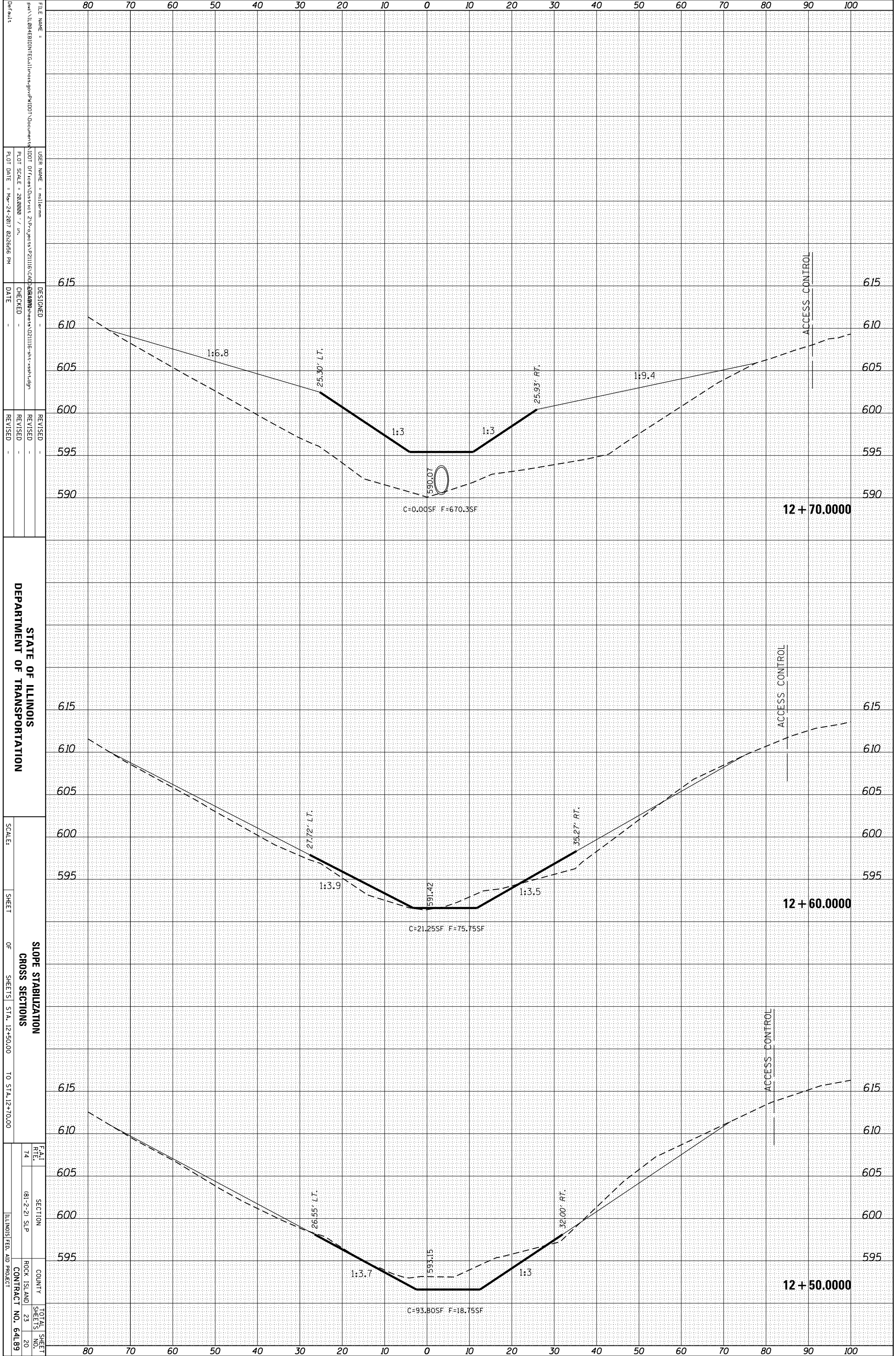
ACCESS CONTROL

ACCESS CONTROL

ACCESS CONTROL

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 12+50.00 TO STA. 12+70.00

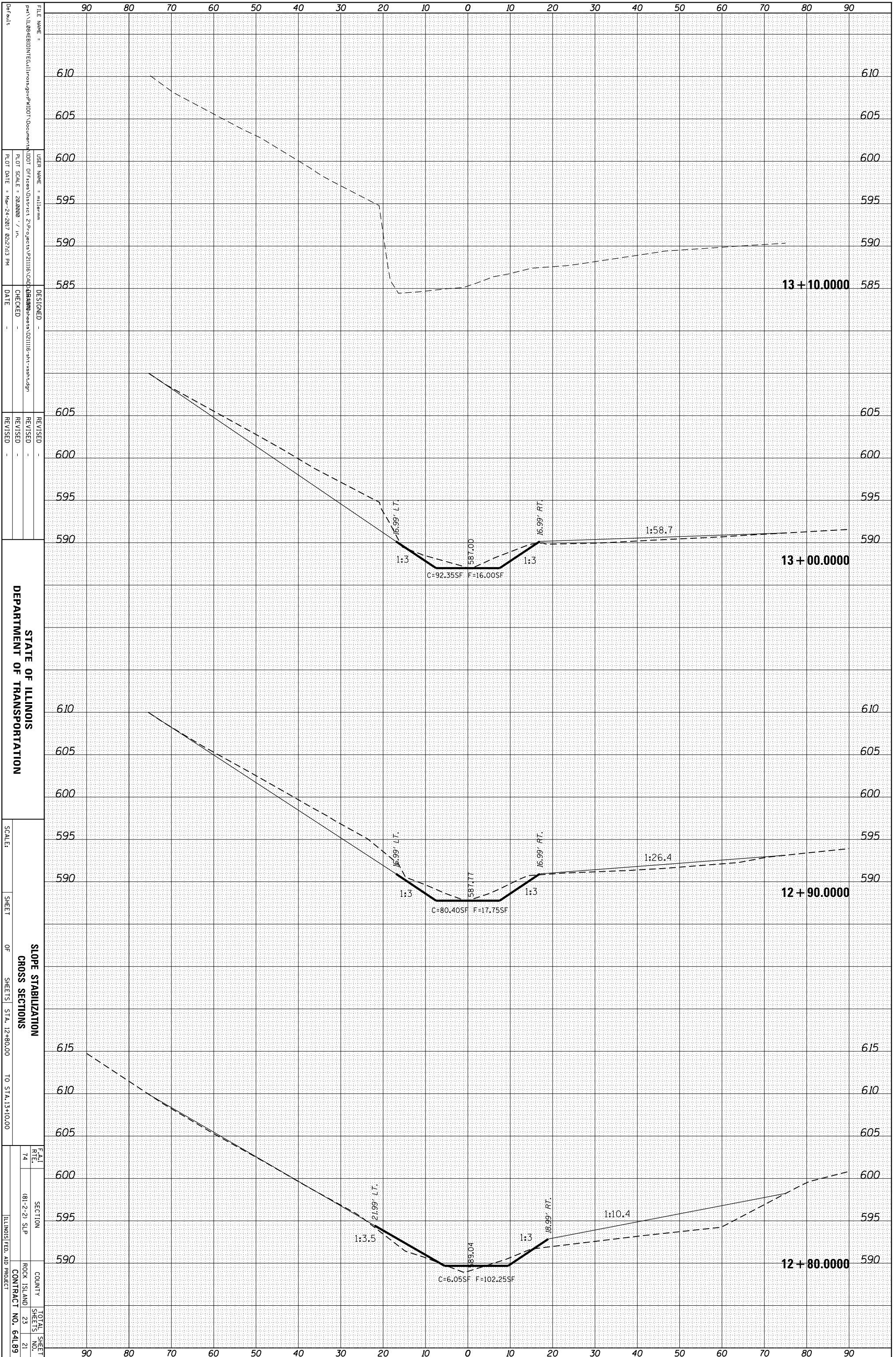
SLOPE STABILIZATION
CROSS SECTIONS

FILE NAME: ...
USER NAME: millerm
DESIGNED: ...
CHECKED: ...
DATE: ...
REVISIONS: ...

F.A.I. R.T.E. 74
SECTION (81-2-2) SLP
COUNTY ROCK ISLAND
CONTRACT NO. 64L89
TOTAL SHEET NO. 23
SHEETS 20

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 12+80.00 TO STA. 13+10.00

SLOPE STABILIZATION
CROSS SECTIONS

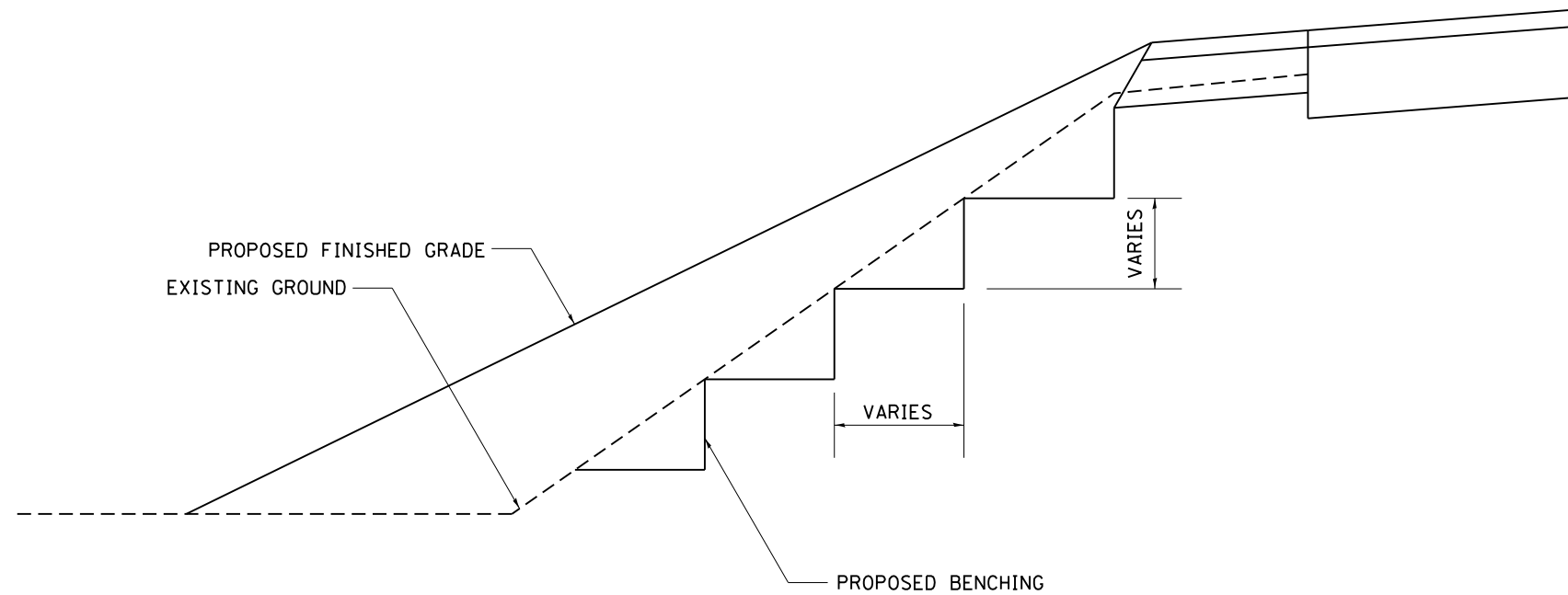
FEA1	SECTION	COUNTY	TOTAL SHEETS
RT4	(81-2-2) SLP	ROCK ISLAND	23
		CONTRACT NO.	64L89

FILE NAME: ...
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PLOT SCALE: 28.0000 / in.
PLOT DATE: Mar-24-2017 02:27:13 PM
DESIGNED: ...
CHECKED: ...
DATE: ...

REVISIONS

NO.	DATE	DESCRIPTION

TYPICAL BENCHING ON EXISTING EMBANKMENT



FILE NAME =	USER NAME = batesr1	DESIGNED -	REVISED - 2-02-06
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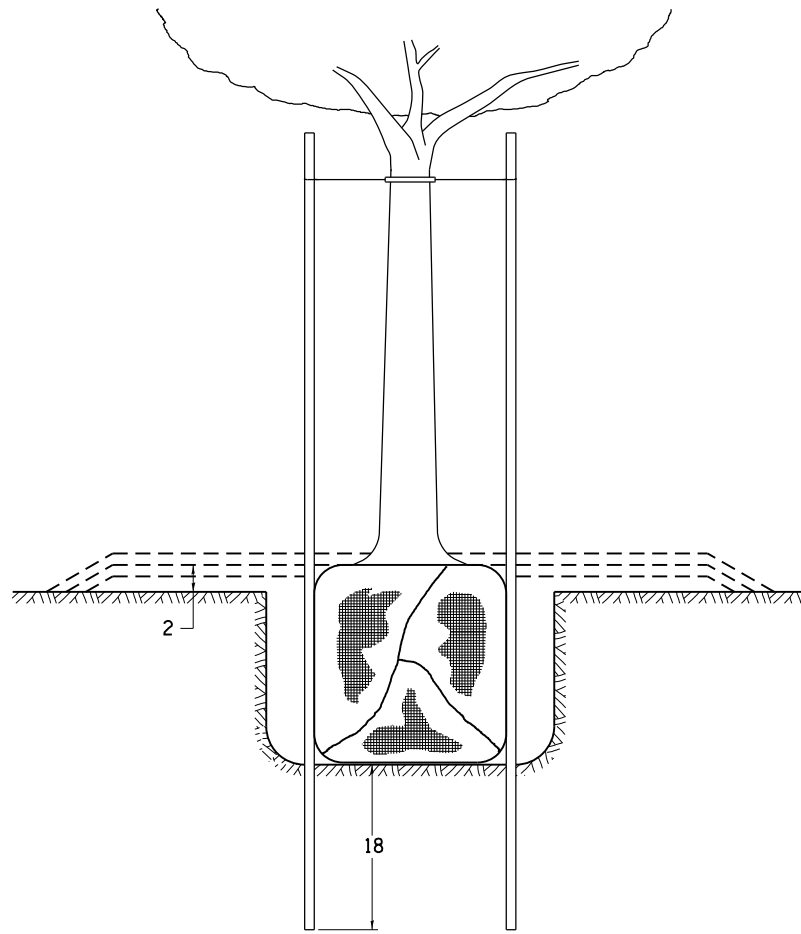
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD
TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4**

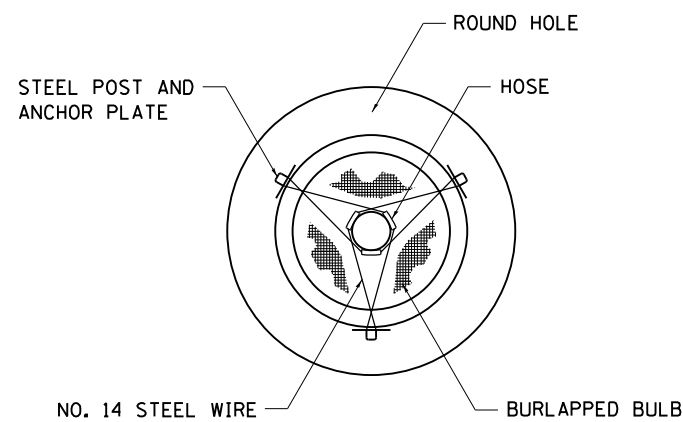
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-2-2) SLP	ROCK ISLAND	23	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64L89	

DETAILS OF PLANTING AND BRACING TREES

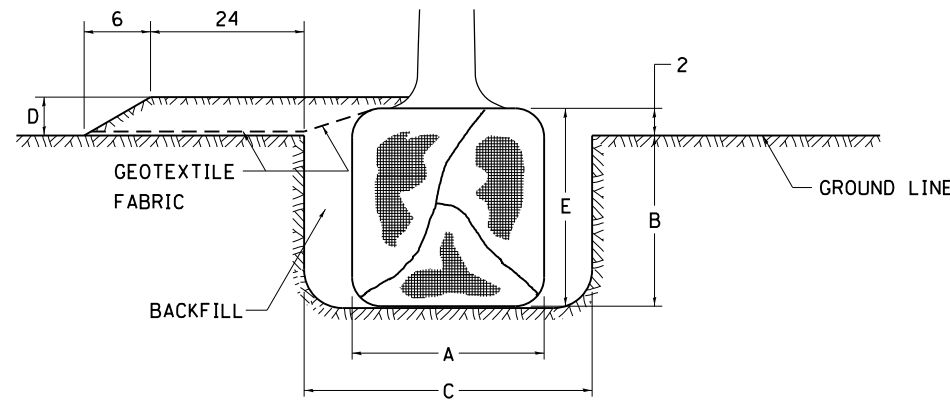


TREES SMALLER THAN 4 1/2 IN DIAMETER

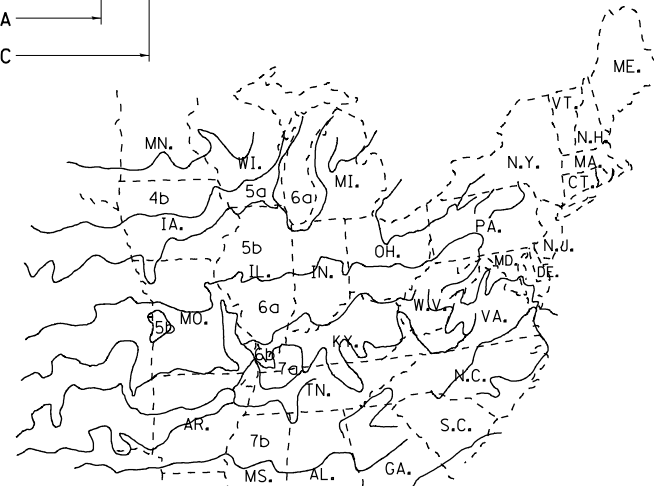
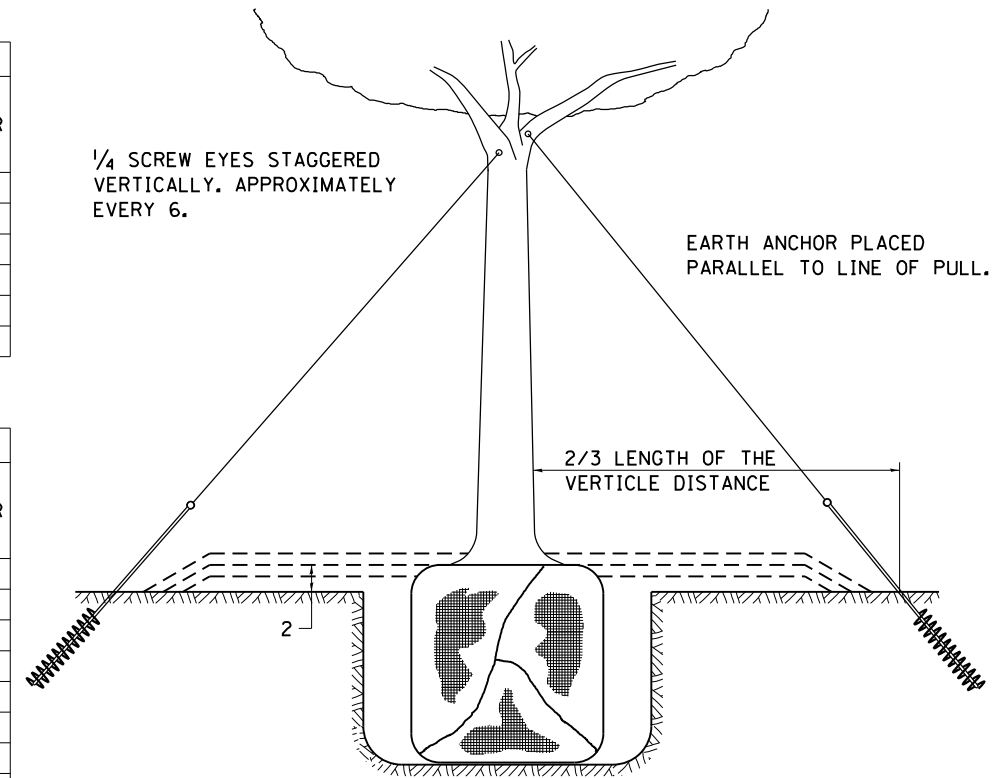


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38

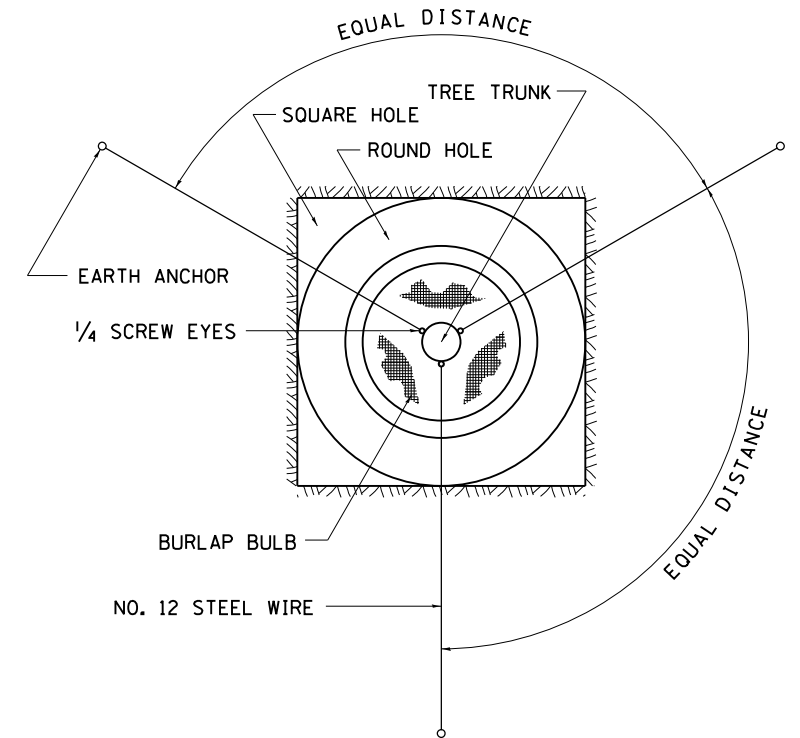


TREES OVER 4 1/2 IN DIAMETER



PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL RESEARCH SERVICE
 PUBLICATION NO. 814



ALL DIMENSIONS ARE IN INCHES
 UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = bates-1	DESIGNED -	REVISED - 10-18-11
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
 DETAILS OF PLANTING AND BRACING TREES 92.1

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-2-2)SLP	ROCK ISLAND	23	23
CONTRACT NO. 64L89				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				