

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		McHENRY	75	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 46343	
*MORAIN HILLS-MCHENRY/LAKE SEGMENT-WEST SECTION				

INDEX OF SHEETS

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PLANS FOR PROPOSED FEDERAL AID PROJECT

GRAND ILLINOIS TRAIL - MORAIN HILLS
SECTION *GIT-MORAIN HILLS*
FEDERAL PROJECT NO. *TAP-000V(006)*
McHENRY COUNTY
IDNR PROJECT NO. 2-15-012
JOB NO. C-30-001-15

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-08 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-08 PAVEMENT JOINTS
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTIONS
- 542406-01 METAL END SECTION FOR PIPE CULVERTS
- 601101-02 CONCRETE HEADWALL FOR PIPE DRAINS
- 640001-01 SIGHT SCREEN CHAIN LINK FENCE
- 664001-02 CHAIN LINK FENCE
- 665001-02 WOVEN WIRE FENCE
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO EOP-45 MPH ±
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY-45 MPH ±
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701901-04 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 780001-05 TYPICAL PAVEMENT MARKINGS

DESCRIPTION OF PROJECT

THIS IMPROVEMENT CONSISTS OF EARTH EXCAVATION, PRECAST MODULAR RETAINING WALLS, BIKE TRAIL EMBANKMENT AND HMA PAVEMENT, CONSTRUCTION OF DRAINAGE STRUCTURES, FENCING, PAVEMENT MARKING, SIGNING, LANDSCAPING AND WETLAND MITIGATION.

0 200' 400' 1" = 200' (MAINTENANCE OF TRAFFIC)

0 50' 100' 1" = 50' (ALIGNMENTS)

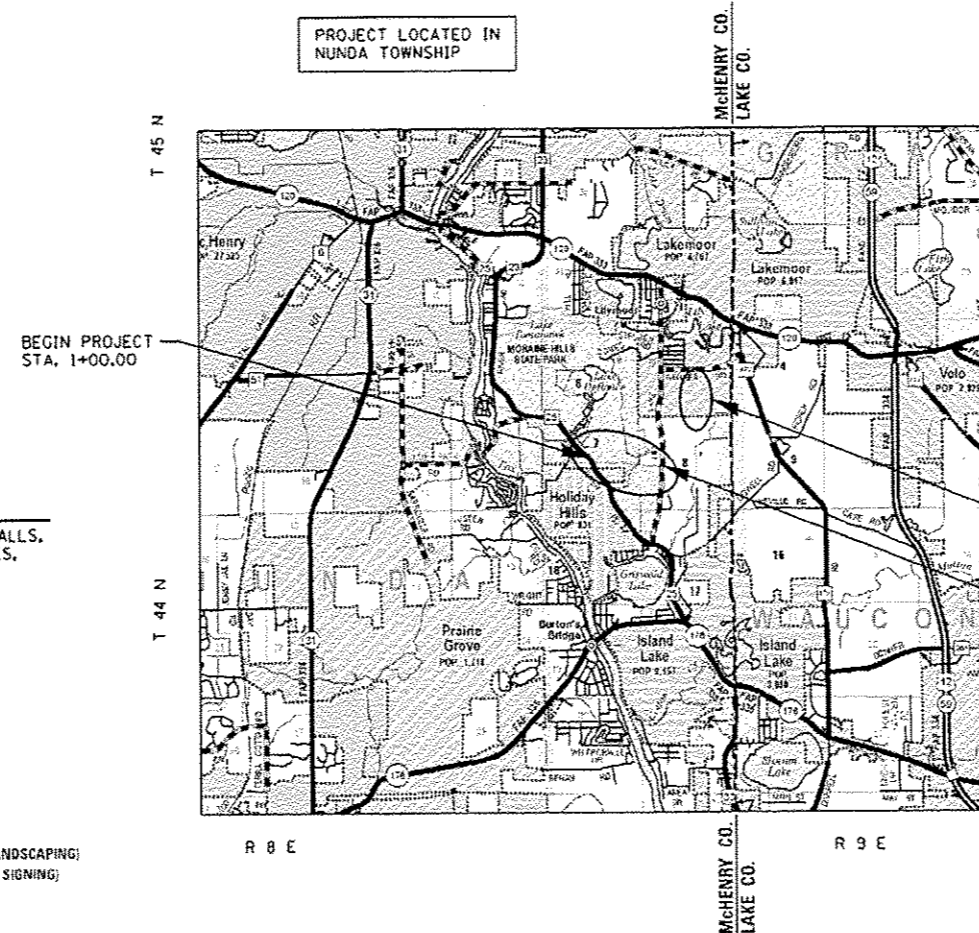
0 20' 50' 100' 1" = 20' (PLAN AND PROFILE)
(EROSION CONTROL AND LANDSCAPING)
(PAVEMENT MARKING AND SIGNING)

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

IDOT PROJECT MANAGER: MIKE BRAND (217) 782-7651
CONTRACT NO. 46343

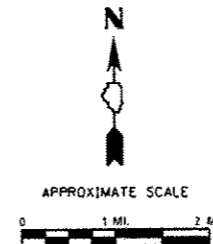
PROJECT LOCATED IN
NUNDA TOWNSHIP



LOCATION MAP

PROJECT LENGTH:
GRAND ILLINOIS TRAIL GROSS & NET LENGTH - 4,567 FT (0.86 MILES)

DESIGN SPEEDS:
GRAND ILLINOIS TRAIL - 20 MPH



SIGNATURE: *Kristin Timmons*
DATE SIGNED: 10/24/14
LICENSE EXPIRATION DATE: 11/30/15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEB. 4, 2015

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

JAN 30 2015
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

JAN 30 2015
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE CONTRACTOR SHALL CONFINE OPERATIONS AND MINIMIZE IMPACTS OF CONSTRUCTION ACTIVITIES OUTSIDE THE PROPOSED GRADING LIMITS DUE TO CULTURAL AND ENVIRONMENTAL SENSITIVITY WITHIN THE PARK.
2. ALL EXISTING ITEMS, INCLUDING BUT NOT LIMITED TO SIGNS, BENCHES, KIOSKS, ETC., NOT MARKED FOR REMOVAL SHALL REMAIN AND BE PROTECTED BY THE CONTRACTOR FROM CONSTRUCTION OPERATIONS.
3. TREE REMOVALS AND PRUNING SHOWN IN THE PLANS SHALL BE MARKED IN THE FIELD AND VERIFIED BY THE ENGINEER PRIOR TO REMOVAL OR PRUNING BY THE CONTRACTOR. ALL TREES REMOVED SHALL BE REPLACED AT A 1:1 RATIO WITH THE SPECIES AND DISTRIBUTIONS AS SPECIFIED IN THE SUMMARY OF QUANTITIES. ALL REMAINING TREES SHALL BE PROTECTED BY THE CONTRACTOR FROM DAMAGE DUE TO HIS OPERATIONS.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES LANDSCAPE ARCHITECT BARRY HART (847-894-3039) AT LEAST 14 DAYS IN ADVANCE OF TREE PLANTING. TREE PLANTING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE LANDSCAPE ARCHITECT AND IDNR SITE SUPERINTENDANT GREG KELLY.
5. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT CONSTRUCTION JOINT. SAW CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM BEING CONSTRUCTED.
7. THE CROSS SLOPE OF ALL PROPOSED TRAILS AND SIDEWALKS SHALL NOT EXCEED 2%.
8. FINAL PROPOSED SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER AND ILLINOIS DEPARTMENT OF NATURAL RESOURCES MORaine HILLS STATE PARK SITE SUPERINTENDANT GREG KELLY (815-385-1624).
9. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

10. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS (NON-PUGGED)	1.89 TONS / CU YD
(PUGGED)	2.05 TONS / CU YD
HOT-MIX ASPHALT PAVEMENT	112 LBS / SY YD / IN
BITUMINOUS MATERIALS:	
PRIME COAT ON EXISTING PAVEMENT	0.05 LB / SQ FT
PRIME COAT ON NEW PAVEMENT	0.025 LB / SQ FT
PRIME COAT ON AGGREGATE	0.25 LB / SQ FT

11. THE CONTRACTOR SHALL NOTIFY THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES MORaine HILLS STATE PARK SITE SUPERINTENDANT GREG KELLY (815-385-1624) AND NATIONAL HERITAGE BIOLOGIST BRAD SEMEL AT (630-399-3242) AT LEAST TWO WEEKS IN ADVANCE OF MOVING EQUIPMENT, MATERIALS, OR WORK FORCES TO EACH SITE. ACCESS TO THE PARK SHALL BE COORDINATED WITH THE SUPERINTENDANT.
12. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT PERMISSION FROM THE DEPARTMENT.
13. LOCATION FOR WASHING AND CLEANING OF EQUIPMENT SHALL BE DONE OFF-SITE (SEE SPECIAL PROVISIONS).
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A DETERMINING PLAN IN COMPLIANCE WITH NPDES REGULATIONS AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
15. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AND COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT, AND AS LISTED BELOW FOR MCHENRY COUNTY. THIS SHALL INCLUDE COORDINATION AND SUBMITTAL OF THE NECESSARY DOCUMENTATION AND FEES. ANY COST INCURRED FOR THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.

McHENRY COUNTY SEDIMENTATION AND EROSION CONTROL REQUIREMENTS:

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
4. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENGINEER SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.
5. EROSION CONTROL BLANKET SHALL BE REQUIRED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN NORMAL WATER LEVEL AND HIGH WATER LEVEL.
6. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
8. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
9. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
10. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF MCHENRY COUNTY.
11. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED.
12. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

COMMITMENTS

1. THE CONTRACTOR IS TO BE AWARE THAT THE BLANDING'S TURTLE (STATE ENDANGERED AND PROTECTED BY THE ILLINOIS ENDANGERED SPECIES ACT (520 ILCS 10/11)) IS LOCATED WITHIN MORaine HILLS STATE PARK AND PIKE MARSH AND BLACK CROWN MARSH UNITS OF THE KETTLE MORaine NATURE PRESERVES AND POSSIBLY WITHIN THE CONSTRUCTION LIMITS OF THE PROPOSED IMPROVEMENTS AND THEREFORE THE FOLLOWING PRECAUTIONARY MEASURES SHALL BE REQUIRED BY THE CONTRACTOR DURING ALL CONSTRUCTION OPERATIONS.
 - A. AT THE PRECONSTRUCTION MEETING, EDUCATE AND INFORM CONSTRUCTION CREWS AND ALL ON-SITE PERSONNEL ABOUT BLANDING'S TURTLES. DISTRIBUTE PHOTOS OF THE TURTLE (ADULT AND JUVENILE) AND DISCUSS THE SITE MANAGEMENT PLAN FOR RESPONDING TO POTENTIAL ENCOUNTERS.
 - B. THE BLANDING'S TURTLE IS MOST ACTIVE BETWEEN MARCH 15 AND OCTOBER 15 AND CONSTRUCTION SHOULD BE MINIMIZED AS MUCH AS POSSIBLE WITHIN THIS TIME FRAME. IF WORK IS COMPLETED DURING THIS PERIOD, EXCLUSIONARY FENCING (THIS CAN BE IN THE FORM OF PERIMETER EROSION BARRIER) SHOULD BE PUT UP AROUND THE WORK SITE AND CHECKED DAILY FOR THE FIRST TWO WEEKS, AND WEEKLY THEREAFTER BY TRAINED PERSONNEL. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT THE PRECAUTIONARY MEASURES AS DIRECTED BY THE ENGINEER. ANY QUESTIONS OR TRAINING FOR ON-SITE WORKERS WITH IDENTIFYING SPECIES DURING CONSTRUCTION CAN BE COORDINATED THROUGH THE ENGINEER AND THE FOLLOWING INDIVIDUALS TRAINED IN THE OVERSIGHT OF IMPLEMENTING THESE MEASURES:

JOHN NELSON NATURAL AREAS PRESERVATION SPECIALIST ILLINOIS NATURE PRESERVE COMMISSION MCHENRY, IL 60051 PHONE 815-385-1573	BRAD SEMEL NATURAL HERITAGE BIOLOGIST ILLINOIS DEPARTMENT OF NATURAL RESOURCES 8916 WILMOT ROAD SPRING GROVE, IL 60081 PHONE 630-399-3242
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 - C. ANY TRENCHES OR EXCAVATIONS MUST ALSO BE IMMEDIATELY AND PERMANENTLY SURROUNDED BY TEMPORARY CONSTRUCTION FENCING, AND SECURELY COVERED AT THE END OF EVERY WORK DAY.
 - D. EACH MORNING BEFORE WORK IS INITIATED, TRENCHES SHOULD BE INSPECTED, AND ANY NON-LISTED REPTILES OR AMPHIBIANS SHOULD BE REMOVED. TRENCHES SHOULD ALSO BE CHECKED BEFORE BEING BACKFILLED, COVERED AT THE END OF EACH WORK DAY AND RETURNED TO ORIGINAL GRADE WHEN THE PROJECT IS DONE.
 - E. IF A BLANDING'S TURTLE IS ENCOUNTERED ON SITE:
 1. WORK SHOULD BE STOPPED IMMEDIATELY.
 2. THE TURTLE SHOULD NOT BE MOVED OR TOUCHED, AS IT IS A CRIMINAL ACT TO HANDLE AN ENDANGERED SPECIES.
 3. CONTACT BRAD SEMEL, IDNR'S NATURAL HERITAGE BIOLOGIST AT 630-399-3242 OR CONTACT JOHN NELSON AT: 815-385-1573
 4. THE TURTLE SHOULD BE MONITORED UNTIL THE CONTACTED PERSONNEL ARRIVES.

2. THE CONTRACTOR SHALL COMPLY WITH THE WORK TIME RESTRICTIONS LISTED IN THE SPECIAL PROVISIONS:
 - A. NATURE PRESERVE. NO WORK SHALL OCCUR WITHIN THE PIKE MARSH UNIT OF THE KETTLE MORaine NATURE PRESERVE (STA. 23+25 TO STA. 32+50) FROM MARCH 1 AND JULY 15.
 - B. WETLANDS A AND B. NO WORK SHALL OCCUR WITHIN 100 FEET OF WETLAND A (STA. 6+50 TO STA. 18+50) OR WETLAND B (STA. 29+25 TO STA. 34+00) UNTIL SUCH TIME AS THE U.S. ARMY CORPS OF ENGINEERS HAS APPROVED THE SURVEY FOR THE EASTERN PRAIRIE FRINGED ORCHID. THE SURVEY WILL BE COMPLETED BY THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES IN ACCORDANCE WITH U.S. FISH AND WILDLIFE SERVICE REQUIREMENTS. THE APPROXIMATE TIME FRAME IN WHICH THE SURVEY CAN BE CONDUCTED IS FROM JUNE 28 TO JULY 11, 2015.
3. IDOT WILL UTILIZE AN INDEPENDENT SESC INSPECTOR (ISI) TO:
 - A. PERFORM WEEKLY INSPECTIONS OF THE IMPLEMENTED SESC MEASURES TO ENSURE PROPER INSTALLATION AND REGULAR MAINTENANCE OF THE APPROVED METHODS.
 - B. SUBMIT TO THE CHICAGO DISTRICT COE OFFICE, AN INSPECTION REPORT WITH DIGITAL PHOTOGRAPHS OF THE SESC MEASURES ON A WEEKLY BASIS DURING THE ACTIVE AND NON-ACTIVE PHASES OF CONSTRUCTION. AN INSPECTION REPORT WILL ALSO BE SUBMITTED AT THE COMPLETION OF THE PROJECT ONCE THE SESC MEASURE HAVE BEEN REMOVED AN FINAL STABILIZATION HAS BEEN COMPLETED.

AS REQUIRED BY THE U. S. ARMY CORPS OF ENGINEERS IN THE LRC-2014-00087 PERMIT.

FILE NAME *	USER NAME * Kristin Timmons	DESIGNED - MJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, SEDIMENT AND EROSION CONTROL NOTES AND COMMITMENTS GRAND ILLINOIS TRAIL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\1007\1286681\Draw\CA00_Sheets\Di-shi- an Notes & Commitments.dgn	DRAWN - RAH	REVISED -	REVISED -		SCALE: N.T.S.	SHEET 1	OF 1 SHEETS	STA.	TO STA.	MCHENRY	75	2
Default	PLOT SCALE * 2.0000' / in.	CHECKED - KLT	REVISED -		CONTRACT NO. 46343							
	PLOT DATE * 1/21/2015	DATE - 10/24/2014	REVISED -		ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES					MCHENRY COUNTY		
					BICYCLE / PEDESTRIAN TRAIL	SPECIAL BRIDGE	WETLAND
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				0028	0040	0020	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	807	807			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	386	386			
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	8	8			
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	3	3			
20200100	EARTH EXCAVATION	CU YD	8,728	3,058		5,670	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	271			271	
20300100	CHANNEL EXCAVATION	CU YD	1,118	1,118			
20400800	FURNISHED EXCAVATION	CU YD	322	322			
20700220	POROUS GRANULAR EMBANKMENT	CU YD	338	338			
20800150	TRENCH BACKFILL	CU YD	7.2	7.2			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	50 YD	11,232	6,514		4,718	
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4,978	1,149		3,829	
* 21101610	TOPSOIL FURNISH AND PLACE, 3"	50 YD	3,246			3,246	
* 25100115	MULCH, METHOD 2	ACRE	0.75	0.75			

80% FED / 20% STATE

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* Specialty Hems

SUMMARY OF QUANTITIES				McHENRY COUNTY		
				BICYCLE / PEDESTRIAN TRAIL	SPECIAL BRIDGE	WETLAND
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0028	0040	0020
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,250	350		900
28000305	TEMPORARY DITCH CHECKS	FOOT	328	312		16
28000400	PERIMETER EROSION BARRIER	FOOT	8,807	5,725		3,082
28000500	INLET AND PIPE PROTECTION	EACH	5	4		1
28100101	STONE RIPRAP, CLASS A1	SO YD	89	89		
28100105	STONE RIPRAP, CLASS A3	SO YD	96	88		8
28200200	FILTER FABRIC	SO YD	96	88		8
35101400	AGGREGATE BASE COURSE, TYPE B	TON	215.5	215.5		
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	6,632	6,632		
35800100	PREPARATION OF BASE	SO YD	1,232	1,232		
40200300	AGGREGATE SURFACE COURSE, TYPE A 4"	SO YD	1,807	1,807		
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7.2	7.2		
40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	909.7	909.7		
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SO YD	541	541		

801.FED./201-STATE

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SUMMARY OF QUANTITIES					MCHENRY COUNTY		
					BICYCLE / PEDESTRIAN TRAIL	SPECIAL BRIDGE	WETLAND
					CONSTRUCTION TYPE CODE		
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0028	0040	0020	
66500105	WOVEN WIRE FENCE, 4'	FOOT	2,589	2,589			
66500500	WOVEN WIRE GATES, 4' X 6' SINGLE	EACH	1	1			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
* 72000100	SIGN PANEL - TYPE 1	50 FT	41	41			
* 72900100	METAL POST - TYPE A	FOOT	128	128			
* 73000100	WOOD SIGN SUPPORT	FOOT	150	150			
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,406	3,406			
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	104	104			
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	145	145			
* A2000116	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11			
* A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11			
* A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6			
* A2002716	TREE, CARYA OVATA (SHAGBARK HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6			

80% FED. / 20% STATE

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* Specialty Items

SUMMARY OF QUANTITIES				MCHENRY COUNTY		
				BICYCLE / PEDESTRIAN TRAIL	SPECIAL BRIDGE	WETLAND
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0028	0040	0020
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURRLAPPED	EACH	11	11		
* A2006414	TREE, QUERCUS ALBA (WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	27	27		
* A2006712	TREE, QUERCUS MACROCARPA (BUR OAK), 1-1/2" CALIPER, BALLED AND BURLAPPED	EACH	16	16		
* A2006814	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	11	11		
* A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11		
* K0013055	PERENNIAL PLANTS, WETLAND EMERGENT	ACRE	0.50			0.50
* K1005884	TREE TRUNK PREDATOR PROTECTION	EACH	105	105		
X0301852	DEWATERING STRUCTURE NO. 1	EACH	1	1		
X0323359	WASHING AND CLEANING	L SUM	1	1		
X0323443	PRECAST MODULAR RETAINING WALL	SO FT	2,020		2,020	
X0324062	ENTRANCE SIGN	L SUM	1	1		
X0327009	REMOVE SIGN (SPECIAL)	EACH	1	1		
X0327301	RELOCATE EXISTING MAILBOX	EACH	1	1		
X0795800	COARSE AGGREGATE	TON	3,220.0			3,220.0

80% FED. / 20% STATE

14

* Specialty Items

SUMMARY OF QUANTITIES					MCHENRY COUNTY		
					BICYCLE / PEDESTRIAN TRAIL	SPECIAL BRIDGE	WETLAND
					CONSTRUCTION TYPE CODE		
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0028	0040	0020	
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	132	132			
* X2501700	SEEDING, CLASS 3 (MODIFIED)	ACRE	3.50	3.50			
X2511630	EROSION CONTROL BLANKET (SPECIAL)	50 YD	23,966		12,431	11,535	
X5010205	REMOVAL OF EXISTING STRUCTURE, SPECIAL	EACH	1	1			
X6640535	CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	FOOT	284	284			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	7	7			
Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1			
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	50 YD	547	340		207	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0022800	FENCE REMOVAL	FOOT	799	799			
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	153		153		
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	5,815	1,325		4,490	
Z0077803	REMOVE WOOD POST	EACH	1	1			

80% FED. / 20% STATE

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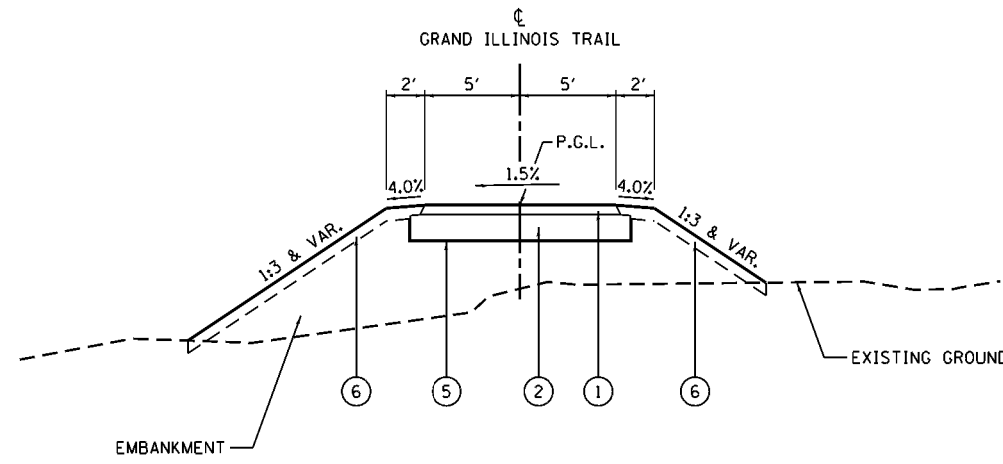
*Specialty Items

SUMMARY OF QUANTITIES				McHENRY COUNTY		
				BICYCLE / PEDESTRIAN TRAIL	SPECIAL BRIDGE	WETLAND
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0028	0040	0020
* X2502100	SEED MIXTURE ZONE A	ACRE	0.50			0.50
* X2502102	SEED MIXTURE ZONE B	ACRE	1.25			1.25
* X2502104	SEED MIXTURE ZONE C	ACRE	1.25			1.25
* X2502106	SEED MIXTURE ZONE D	ACRE	6.25			6.25
* K0039001	PERENNIAL PLANTS, SEDGE MEADOW	ACRE	1.25			1.25

80% FED / 20% STATE

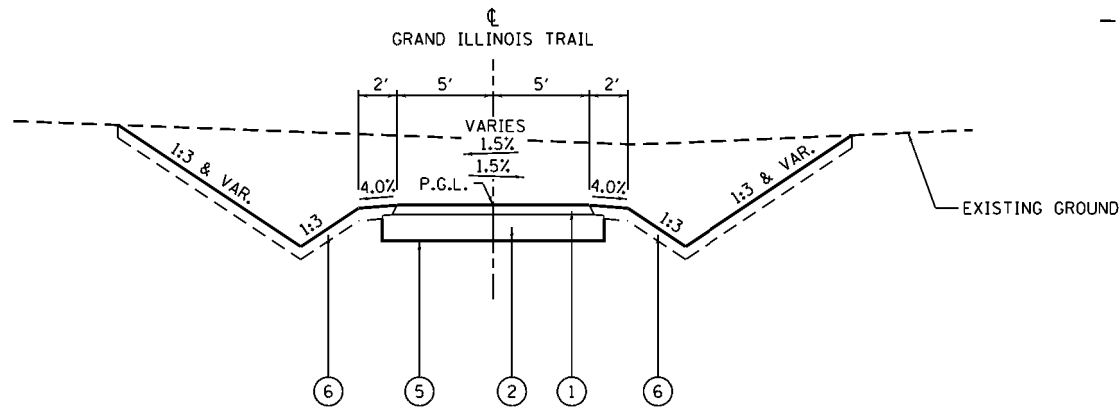
5

*Specialty Items



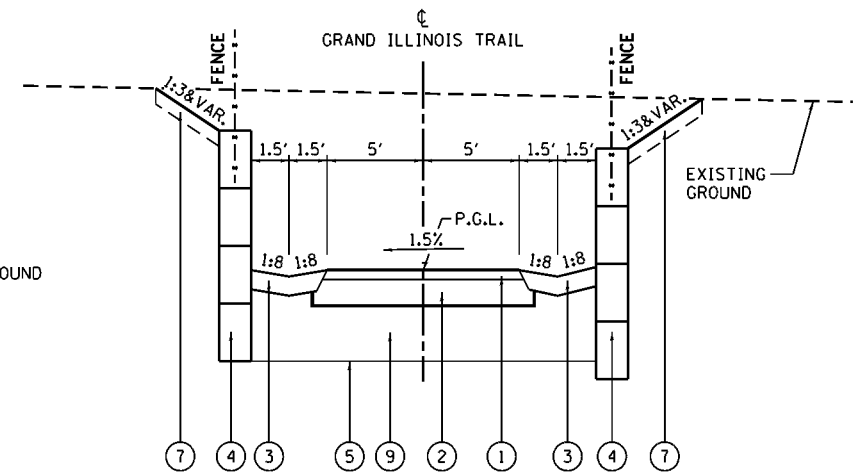
TRAIL - TYPICAL #1

N.T.S.
 STA. 6+50 TO STA. 8+00
 STA. 23+50 TO STA. 26+05



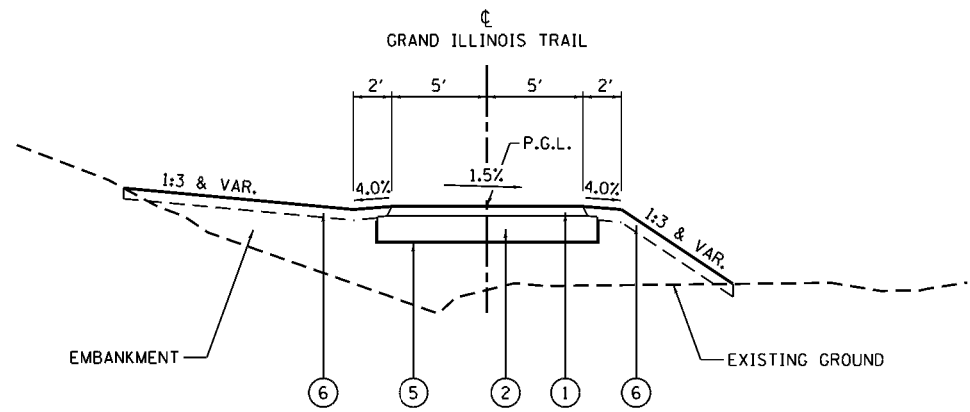
TRAIL - TYPICAL #3

N.T.S.
 STA. 1+00 TO STA. 1+50
 STA. 4+00 TO STA. 6+50
 STA. 8+00 TO STA. 10+00
 STA. 19+50 TO STA. 21+00
 STA. 21+50 TO STA. 23+50
 STA. 27+47.22 TO STA. 28+50
 STA. 33+00 TO STA. 36+50



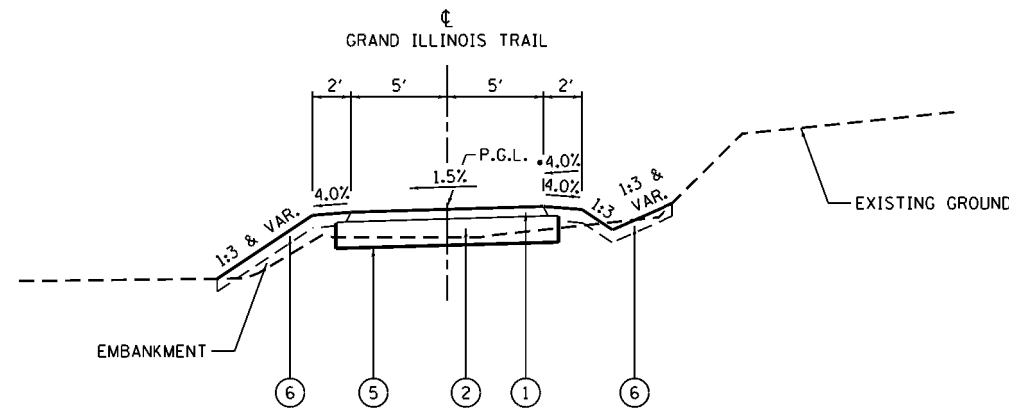
TRAIL - TYPICAL #5

N.T.S.
 STA. 26+05.00 TO STA. 27+47.22



TRAIL - TYPICAL #2

N.T.S.
 STA. 1+50 TO STA. 4+00
 STA. 28+50 TO STA. 33+00
 STA. 36+50 TO STA. 46+00

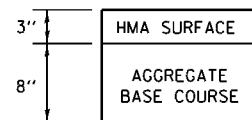


TRAIL - TYPICAL #4

N.T.S.
 STA. 10+00 TO STA. 16+50
 STA. 16+50 TO STA. 18+50 (NO RT. DITCH)
 STA. 18+50 TO STA. 19+50

NOTE: SEE PLAN AND PROFILE SHEETS FOR PAVEMENT CROSS SLOPE AND TRANSITION LIMITS.

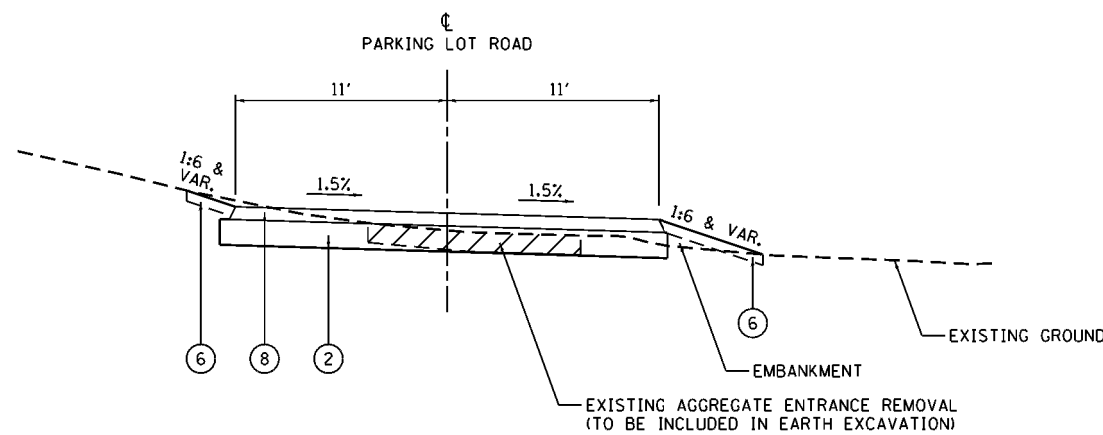
LIFT DIAGRAM



MIXTURE REQUIREMENTS

LOCATION	GRAND ILLINOIS TRAIL
MIXTURE USE	SURFACE
AC/PG#	PG 58-28
DESIGN AIR VOIDS	4.0% @ Ndesign = 30 (Note 1)
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5
FRICTION AGGREGATE	MIX "C"
MIXTURE WEIGHT	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM	OC/OA

NOTE 1: SEE SPECIAL PROVISION FOR INFORMATION REGARDING HMA PRODUCTION.



PARKING LOT ROAD TYPICAL

N.T.S.
 STA. 10+13.32 TO STA. 11+94.29

EXISTING LEGEND

- (1) EXISTING PAVEMENT
- (2) EXISTING SHOULDERS

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30 (3")
- (2) AGGREGATE BASE COURSE, TYPE B 8"
- (3) TYPE "B" GUTTER
- (4) PRECAST MODULAR BLOCK RETAINING WALL (SEE DETAIL)
- (5) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (6) TOPSOIL EXCAVATION AND PLACEMENT (4") AND SEEDING, WITH MULCH METHOD 2 (SLOPES <3:1); EROSION CONTROL BLANKET (SLOPES >3:1)
- (7) TOPSOIL EXCAVATION AND PLACEMENT (8") AND SEEDING, WITH MULCH METHOD 2 (SLOPES <3:1); EROSION CONTROL BLANKET (SLOPES >3:1)
- (8) AGGREGATE SURFACE COURSE, TYPE A 4"
- (9) POROUS GRANULAR EMBANKMENT

FILE NAME = L:\1007\1206601\Draw\CA00_Sheets\DI.shd	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
Default	typicalSection.dgn	DRAWN - RAH	REVISED -
	PLOT SCALE = 10.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 8/22/2014	DATE - 8/22/2014	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND MIXTURE REQUIREMENTS

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	10
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

TREE REMOVAL

STATION/LOCATION	TREE REMOVAL (6 TO 15 UNITS DIA.)	TREE REMOVAL (OVER 15 UNITS)	TREE PRUNING (1 TO 10 INCH DIA.)	TREE PRUNING (OVER 10 INCH DIA.)
GRAND IL TRAIL BIKE PATH				
3+56.91	5.93'	LT	9	
3+64.90	5.80'	LT	10	
3+95.27	12.96'	LT		1
23+72.20	14.61'	LT		1
24+42.45	3.28'	LT	7	
24+63.22	7.78'	RT		15
24+68.75	4.46'	RT	7	
24+77.96	7.23'	LT		15
24+85.09	16.23'	LT		1
25+49.41	7.85'	LT	11	
25+64.42	4.92'	RT	7	
25+67.88	13.44'	RT	8	
25+72.48	6.33'	RT	9	
25+72.80	9.11'	LT	9	
25+72.80	9.11'	LT	11	
25+74.96	7.17'	RT	7	
25+79.68	7.41'	LT	10	
25+80.51	8.60'	LT	8	
25+81.40	8.04'	RT	7	
25+89.67	0.27'	RT	6	
25+91.79	9.76'	LT	7	
25+98.52	6.30'	LT	12	
26+10.17	3.31'	RT		16
26+11.58	5.20'	LT	6	
26+12.66	10.87'	LT	6	
26+23.89	4.37'	LT	7	
26+23.89	4.37'	LT	7	
26+43.37	5.74'	LT	8	
26+43.37	5.74'	LT	7	
26+50.03	15.51'	RT	7	
26+50.58	15.36'	LT	8	
26+57.80	10.33'	RT	9	
26+61.47	11.69'	LT	6	
26+62.93	11.61'	LT	9	
26+67.18	1.88'	RT	7	
26+67.18	1.88'	RT	9	
26+67.18	1.88'	RT	9	
26+68.99	0.72'	LT	6	
26+68.99	17.71'	LT	7	
26+86.36	8.01'	LT	13	
27+10.98	1.45'	RT	12	

TREE REMOVAL (CONT.)

STATION/LOCATION	TREE REMOVAL (6 TO 15 UNITS DIA.)	TREE REMOVAL (OVER 15 UNITS)	TREE PRUNING (1 TO 10 INCH DIA.)	TREE PRUNING (OVER 10 INCH DIA.)
GRAND IL TRAIL BIKE PATH				
27+23.73	4.37'	RT		24
27+52.35	8.86'	LT	6	
27+62.90	14.75'	LT		1
27+63.59	5.91'	RT	15	
27+67.16	11.17'	LT	8	
27+84.86	11.46'	RT	15	
27+87.52	11.31'	LT	7	
27+95.29	11.94'	RT		26
28+04.87	2.20'	RT	12	
28+05.40	1.01'	RT		16
28+11.71	2.79'	LT	11	
28+28.05	8.92'	RT		21
28+28.21	1.63'	LT	13	
28+39.18	5.50'	LT	10	
28+33.09	18.04'	LT		1
28+42.42	6.93'	RT	6	
24+49.67	6.02'	LT	6	
28+50.75	9.79'	LT	9	
28+56.69	9.53'	LT	7	
28+57.57	13.52'	LT	8	
28+57.91	5.73'	RT	15	
28+69.01	7.21'	LT	8	
28+85.18	5.20'	RT	14	
28+87.18	3.66'	LT		18
28+91.34	5.99'	RT	6	
28+95.33	9.08'	RT		20
28+97.35	1.89'	LT		22
28+99.42	16.53'	LT		1
29+04.57	15.98'	LT		1
29+12.25	11.43'	RT	5	
29+12.25	11.47'	RT	7	
30+14.90	13.74'	RT	9	
29+20.41	7.00'	RT		20
29+21.69	20.15'	RT	7	
30+26.75	14.49'	RT		1
29+45.92	16.50'	RT		19
29+47.93	4.10'	LT		19
29+55.24	12.58'	RT	8	
29+59.56	13.33'	RT	9	
29+66.70	13.39'	LT	9	
29+73.55	15.48'	RT	10	

TREE REMOVAL (CONT.)

STATION/LOCATION	TREE REMOVAL (6 TO 15 UNITS DIA.)	TREE REMOVAL (OVER 15 UNITS)	TREE PRUNING (1 TO 10 INCH DIA.)	TREE PRUNING (OVER 10 INCH DIA.)
GRAND IL TRAIL BIKE PATH				
29+83.76	14.10'	RT	7	
29+84.63	10.93'	LT	8	
29+99.40	18.02'	LT		1
30+08.51	9.91'	LT	10	
30+12.82	11.48'	LT	9	
30+14.15	8.90'	LT	9	
30+17.86	12.08'	LT	9	
30+18.50	13.70'	RT	9	
30+29.26	11.10'	RT	9	
30+32.84	14.46'	LT		1
30+81.44	8.27'	RT	13	
30+94.74	6.72'	RT	15	
31+09.78	5.64'	RT	15	
31+15.16	16.81'	LT		1
31+22.80	7.19'	LT	6	
31+31.77	11.75'	LT	10	
31+24.41	7.07'	RT	9	
31+42.34	4.45'	LT	11	
31+69.97	1.08'	RT		20
31+82.09	3.86'	LT		24
31+90.98	8.83'	RT	7	
32+00.37	5.89'	LT	6	
32+06.66	8.02'	LT		25
39+43.86	18.23'	RT		30
40+71.24	14.45'	RT		36
46+18.65	9.89'	RT	12	
PARKING AREA / ENTRANCE ROAD				
10+42.19	8.66'	RT	12	
10+56.95	3.19'	RT	6	
10+64.82	7.59'	RT	8	
10+67.21	11.22'	RT	6	
10+67.21	11.22'	RT	7	
10+67.21	11.22'	RT	8	
10+67.21	11.22'	RT	8	
10+79.76	15.72'	RT	6	
10+79.76	15.72'	RT	10	
10+79.76	15.72'	RT	9	
10+79.76	15.72'	RT	9	
10+79.76	15.72'	RT	8	
10+79.76	15.72'	RT	8	
TOTALS				
	807	386	8	3

PAVING

STATION / LOCATION	CONCRETE GUTTER, TYPE B	AGGREGATE BASE COURSE, TYPE B 8"	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	BITUMINOUS MATERIALS (PRIME COAT)	PORTLAND CEMENT CONCRETE PAVEMENT 8"	HOT-MIX ASPHALT SURFACE COURSE, MIX "C"
	(FOOT)	(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(TON)
GRAND IL TRAIL BIKE PATH						
0+00.00 - 6+50.00		746	801	0.9	61	110.2
6+50.00 - 12+50.00		778	868	0.9		119.3
12+50.00 - 18+50.00		768	857	0.9		117.8
18+50.00 - 24+50.00		780	870	0.9	23	119.6
24+50.00 - 30+50.00	286	805	861	1.0	196	118.4
30+50.00 - 36+50.00		818	875	1.0	216	120.2
36+50.00 - 42+50.00		779	869	0.9		119.5
42+50.00 - 46+10.00		460	513	0.6		70.5
TOTALS	286	5,934	6,514	7.1	496	895.5

PAVEMENT MARKING

STATION / LOCATION	PAINT PAVEMENT MARKING-LINE 4"	PAINT PAVEMENT MARKING-LINE 6"	PAINT PAVEMENT MARKING-LINE 12"
	FOOT	FOOT	FOOT
GRAND IL TRAIL BIKE PATH			
0+00.00 - 6+50.00	573	104	145
6+50.00 - 12+50.00	490		
12+50.00 - 18+50.00	151		
18+50.00 - 24+50.00	579		
24+50.00 - 30+50.00	604		
30+50.00 - 36+50.00	588		
36+50.00 - 42+50.00	153		
42+50.00 - 46+10.00	178		
TOTALS	3,316	104	145

EARTHWORK

STATION / LOCATION	STRUCTURE EXCAVATION	EARTH EXCAVATION	FOR INFORMATION ONLY			TOPSOIL EXCAVATION AND PLACEMENT
			EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT*	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
GRAND IL TRAIL BIKE PATH						
0+00.00 - 6+50.00		215	161	223	-62	74
6+50.00 - 12+50.00		435	326	279	47	148
12+50.00 - 18+50.00		62	47	172	-126	94
18+50.00 - 24+50.00		473	355	63	292	122
24+50.00 - 30+50.00	418	1,177	1,196	595	601	132
30+50.00 - 36+50.00	123	416	404	336	68	146
36+50.00 - 42+50.00		127	95	1,039	-944	180
42+50.00 - 46+10.00		7	5	533	-528	81
TOTALS	541	2,912	2,590	3,240	-650	977

* ADDITIONAL EMBANKMENT MATERIAL SHALL BE OBTAINED FROM THE WETLAND MITIGATION AREA

SEEDING

STATION / LOCATION		SEEDING, CLASS 3 (MODIFIED)	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	EROSION CONTROL BLANKET (SPECIAL)	
		(ACRE)	(ACRE)	(POUND)	(SQ YD)	
GRAND IL TRAIL BIKE PATH						
0+00.00	-	6+50.00	0.35		35	1,506
6+50.00	-	12+50.00	0.40	0.05	40	1,580
12+50.00	-	18+50.00	0.25	0.15	25	508
18+50.00	-	24+50.00	0.40		40	1,882
24+50.00	-	30+50.00	0.35		35	1,729
30+50.00	-	36+50.00	0.40		40	1,903
36+50.00	-	42+50.00	0.50		50	2,318
42+50.00	-	46+30.00	0.85*	0.55*	85*	1,005*
TOTALS			3.50**	0.75	350	12,431

- * INCLUDES QUANTITY FOR PARKING AREA AND ENTRANCE ROAD
- ** INCLUDES MOWED SHOULDER MIX = 0.42 ACRE AND SLOPE MIX = 3.08 ACRE (SEE SHEET 45 FOR SEED MIXES)

FENCING

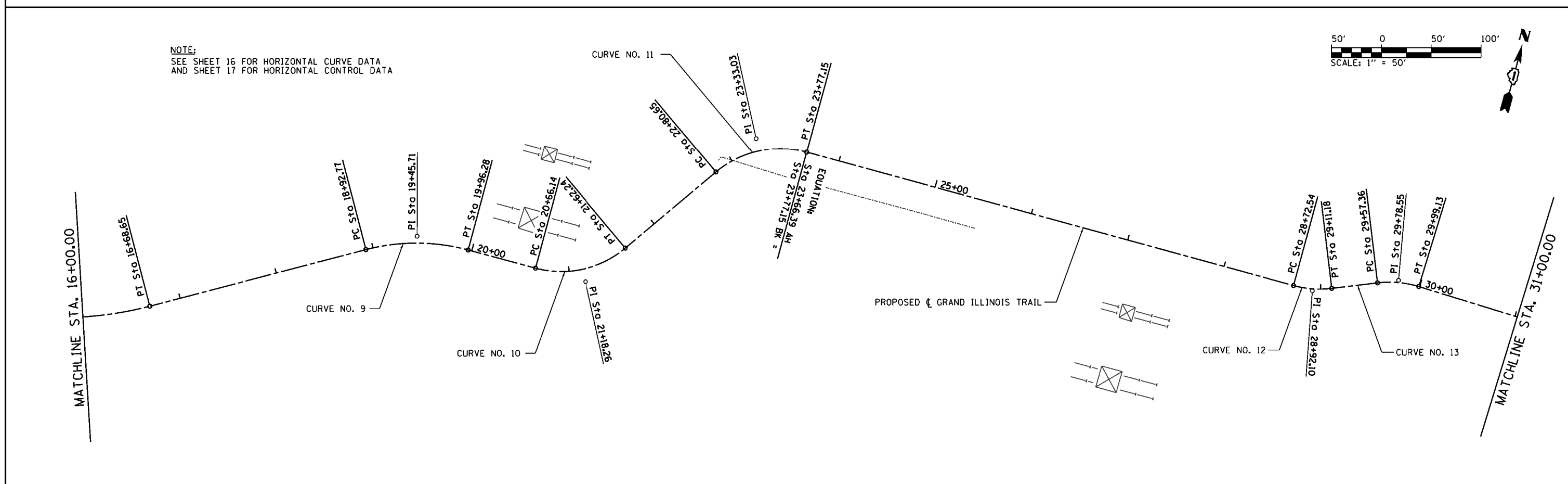
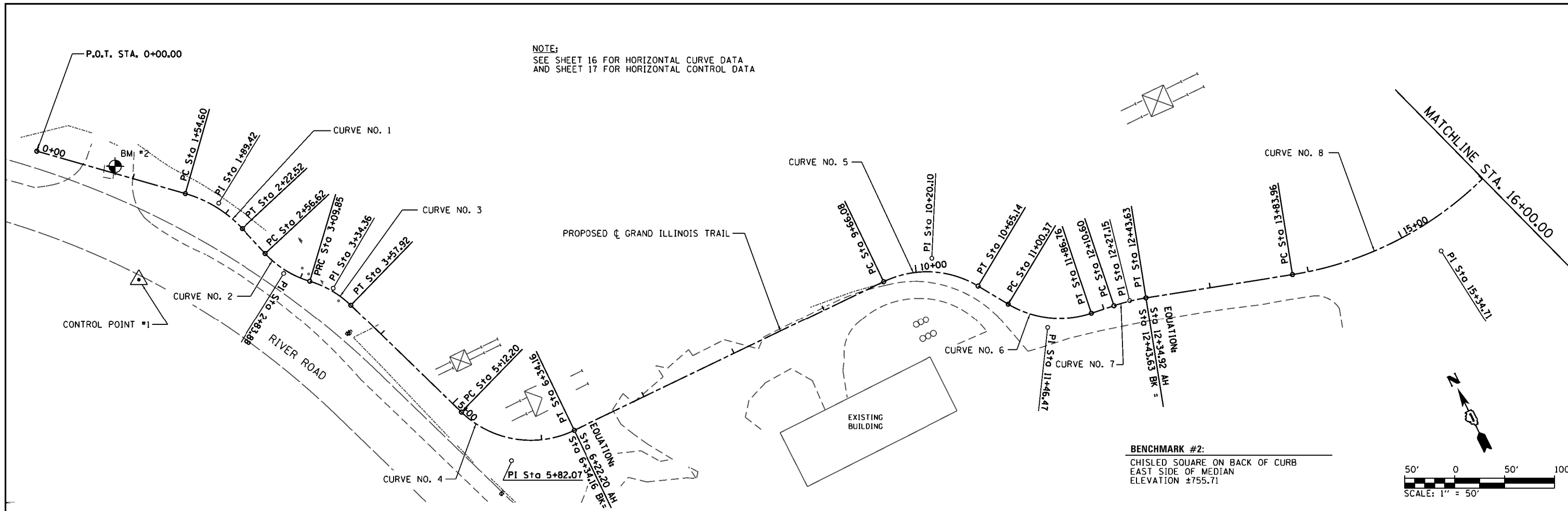
STATION / LOCATION		FENCE REMOVAL	WOVEN WIRE FENCE, 4'	CHAIN LINK FENCE, 6'	CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	SIGHT SCREEN (CHAIN LINK FENCE) 6'	WOVEN WIRE GATES, 4'x6' SINGLE	TEMPORARY CONSTRUCTION FENCE	
		FOOT	FOOT	FOOT	(FOOT)	FOOT	EACH	FOOT	
GRAND IL TRAIL BIKE PATH									
0+00	TO	6+50	29	170	94		56		
6+50	TO	12+50	76				604		
12+50	TO	18+50					609		
18+50	TO	24+50	44	174	42		124		
24+50	TO	30+50		452		284		325	
30+50	TO	36+50	153	574			1		
36+50	TO	42+50	80	614					
42+50	TO	46+30	360	534					
TOTALS			742	2,518	136	284	1,393	1	325

EROSION CONTROL

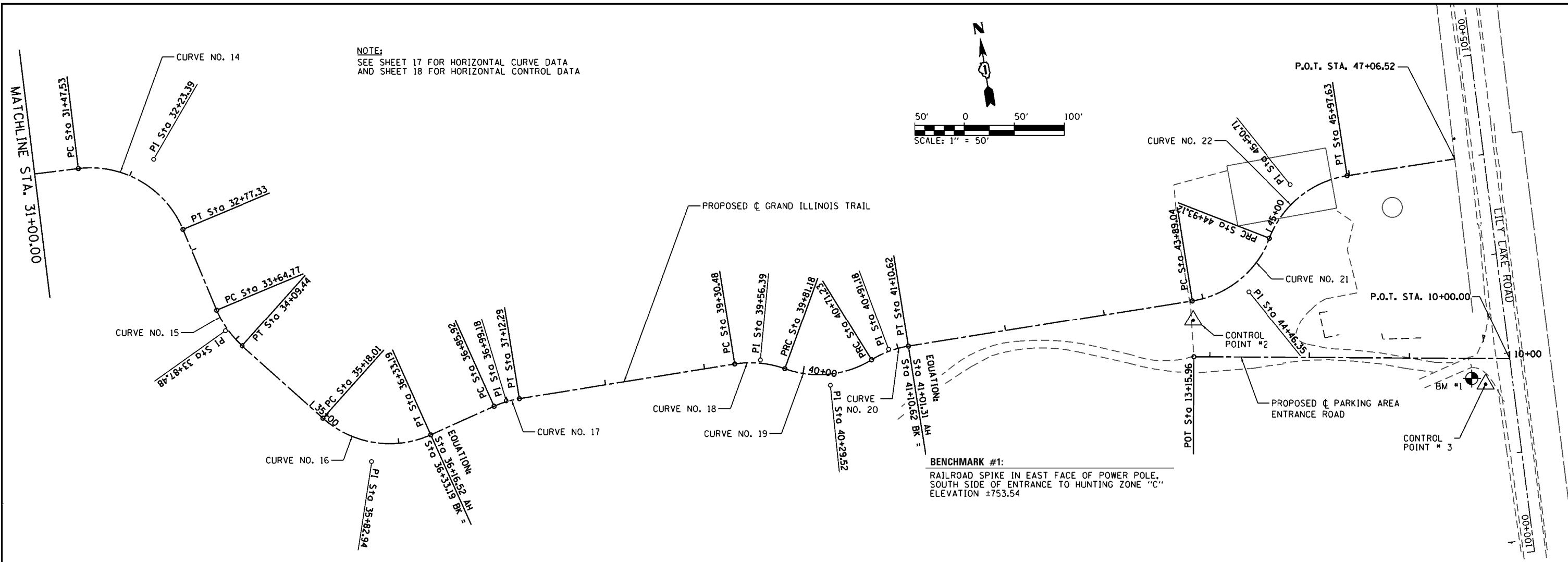
STATION / LOCATION				TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
				FOOT	FOOT	EACH
GRAND IL TRAIL BIKE PATH						
0+00	TO	6+50	LT		185	
0+00	TO	6+50	RT		305	
6+50	TO	12+50	LT	16	620	
6+50	TO	12+50	RT	24		1
12+50	TO	18+50	LT		593	
12+50	TO	18+50	RT			
18+50	TO	24+50	LT	56	330	
18+50	TO	24+50	RT	56	254	1
24+50	TO	30+50	LT	8	469	
24+50	TO	30+50	RT	8	457	1
30+50	TO	36+50	LT	56	199	1

EROSION CONTROL (CONT.)

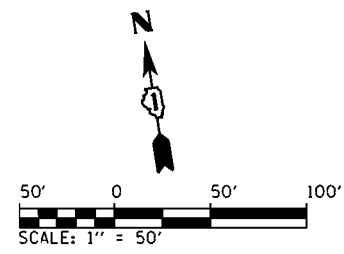
STATION / LOCATION				TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
				FOOT	FOOT	EACH
GRAND IL TRAIL BIKE PATH						
30+50	TO	36+50	RT	40	470	
36+50	TO	42+50	LT	48	50	
36+50	TO	42+50	RT		610	
42+50	TO	46+00	LT		464	
42+50	TO	46+30	RT		719	
TOTALS				312	5,725	4



FILE NAME = L:\1007\1206601\Draw\CA00_Sheets\01.shd	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT GRAND ILLINOIS TRAIL			F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	ALIGNMENT01.dgn	DRAWN - RAH	REVISED -		SCALE: 1" = 50'	SHEET 1	OF 4 SHEETS	STA. 0+00	TO STA. 31+00	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75
Default	PLOT SCALE = 100.0000' / in.	CHECKED - KLT	REVISED -	CONTRACT NO. 46343								
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -	ILLINOIS FED. AID PROJECT								



NOTE:
SEE SHEET 17 FOR HORIZONTAL CURVE DATA
AND SHEET 18 FOR HORIZONTAL CONTROL DATA



FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
L:\1007\1206601\Draw\CA00_Sheets\01.sht	Alignment02.dgn	DRAWN - RAH	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT
GRAND ILLINOIS TRAIL**

SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. 31+00 TO STA. 48+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	15
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				

CURVE DATA

<p>PROP. C GRAND ILLINOIS TRAIL CURVE-1 DATA PI STA. = 1+89.42 Δ = 31° 08' 03" (RT) D = 45° 50' 12" R = 125.00' T = 34.82' L = 67.92' E = 4.76' P.C. STA. = 1+54.60 P.T. STA. = 2+22.52</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-7 DATA PI STA. = 12+27.15 Δ = 9° 27' 43" (RT) D = 28° 38' 52" R = 200.00' T = 16.55' L = 33.03' E = 0.68' P.C. STA. = 12+10.60 P.T. STA. = 12+43.63</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-13 DATA PI STA. = 29+78.55 Δ = 23° 55' 52" (RT) D = 57° 17' 45" R = 100.00' T = 21.19' L = 41.77' E = 2.22' P.R.C. STA. = 29+57.36 P.T. STA. = 29+99.13</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-19 DATA PI STA. = 40+29.52 Δ = 51° 35' 39" (LT) D = 57° 17' 45" R = 100.00' T = 48.34' L = 90.05' E = 11.07' P.R.C. STA. = 39+81.18 P.R.C. STA. = 40+71.23</p>
<p>PROP. C GRAND ILLINOIS TRAIL CURVE-2 DATA PI STA. = 2+83.88 Δ = 30° 29' 44" (LT) D = 57° 17' 45" R = 100.00' T = 27.26' L = 53.22' E = 3.65' P.C. STA. = 2+56.62 P.R.C. STA. = 3+09.85</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-8 DATA PI STA. = 15+34.71 Δ = 46° 36' 21" (LT) D = 16° 22' 13" R = 350.00' T = 150.76' L = 284.70' E = 31.09' P.C. STA. = 13+83.96 P.T. STA. = 16+68.65</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-14 DATA PI STA. = 32+23.39 Δ = 74° 22' 21" (RT) D = 57° 17' 45" R = 100.00' T = 75.87' L = 129.80' E = 25.52' P.C. STA. = 31+47.53 P.T. STA. = 32+77.33</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-20 DATA PI STA. = 40+91.18 Δ = 22° 33' 56" (RT) D = 57° 17' 45" R = 100.00' T = 19.95' L = 39.38' E = 1.97' P.R.C. STA. = 40+71.23 P.T. STA. = 41+10.62</p>
<p>PROP. C GRAND ILLINOIS TRAIL CURVE-3 DATA PI STA. = 3+34.36 Δ = 27° 32' 49" (RT) D = 57° 17' 45" R = 100.00' T = 24.51' L = 48.08' E = 2.96' P.R.C. STA. = 3+09.85 P.T. STA. = 3+57.92</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-9 DATA PI STA. = 19+45.71 Δ = 29° 39' 10" (RT) D = 28° 38' 52" R = 200.00' T = 52.94' L = 103.51' E = 6.89' P.C. STA. = 18+92.77 P.T. STA. = 19+96.28</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-15 DATA PI STA. = 33+87.48 Δ = 25° 35' 44" (LT) D = 57° 17' 45" R = 100.00' T = 22.72' L = 44.67' E = 2.55' P.C. STA. = 33+64.77 P.T. STA. = 34+09.44</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-21 DATA PI STA. = 44+46.35 Δ = 59° 37' 46" (LT) D = 57° 17' 45" R = 100.00' T = 57.30' L = 104.07' E = 15.26' P.C. STA. = 43+89.04 P.R.C. STA. = 44+93.12</p>
<p>PROP. C GRAND ILLINOIS TRAIL CURVE-4 DATA PI STA. = 5+82.07 Δ = 69° 52' 42" (LT) D = 57° 17' 45" R = 100.00' T = 69.86' L = 121.96' E = 21.99' P.C. STA. = 5+12.20 P.T. STA. = 6+34.16</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-10 DATA PI STA. = 21+18.26 Δ = 55° 03' 26" (LT) D = 57° 17' 45" R = 100.00' T = 52.12' L = 96.09' E = 12.77' P.C. STA. = 20+66.14 P.T. STA. = 21+62.24</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-16 DATA PI STA. = 35+82.94 Δ = 65° 59' 40" (LT) D = 57° 17' 45" R = 100.00' T = 64.93' L = 115.18' E = 19.23' P.C. STA. = 35+18.01 P.T. STA. = 36+33.19</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-22 DATA PI STA. = 45+50.71 Δ = 59° 52' 48" (RT) D = 57° 17' 45" R = 100.00' T = 57.60' L = 104.51' E = 15.40' P.R.C. STA. = 44+93.12 P.T. STA. = 45+97.63</p>
<p>PROP. C GRAND ILLINOIS TRAIL CURVE-5 DATA PI STA. = 10+20.10 Δ = 56° 45' 33" (RT) D = 57° 17' 45" R = 100.00' T = 54.02' L = 99.06' E = 13.66' P.C. STA. = 9+66.08 P.T. STA. = 10+65.14</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-11 DATA PI STA. = 23+33.03 Δ = 55° 17' 29" (RT) D = 57° 17' 45" R = 100.00' T = 52.38' L = 96.50' E = 12.89' P.C. STA. = 22+80.65 P.T. STA. = 23+77.15</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-17 DATA PI STA. = 36+99.18 Δ = 15° 06' 30" (RT) D = 57° 17' 45" R = 100.00' T = 13.26' L = 26.37' E = 0.88' P.C. STA. = 36+85.92 P.T. STA. = 37+12.29</p>	
<p>PROP. C GRAND ILLINOIS TRAIL CURVE-6 DATA PI STA. = 11+46.47 Δ = 49° 30' 07" (LT) D = 57° 17' 45" R = 100.00' T = 46.10' L = 86.40' E = 10.12' P.C. STA. = 11+00.37 P.T. STA. = 11+86.76</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-12 DATA PI STA. = 28+92.10 Δ = 22° 08' 14" (LT) D = 57° 17' 45" R = 100.00' T = 19.56' L = 38.64' E = 1.90' P.C. STA. = 28+72.54 P.R.C. STA. = 29+11.18</p>	<p>PROP. C GRAND ILLINOIS TRAIL CURVE-18 DATA PI STA. = 39+56.39 Δ = 29° 03' 09" (RT) D = 57° 17' 45" R = 100.00' T = 25.91' L = 50.71' E = 3.30' P.C. STA. = 39+30.48 P.R.C. STA. = 39+81.18</p>	

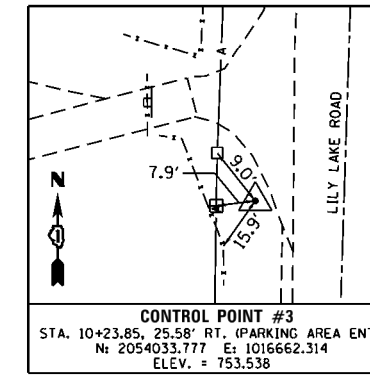
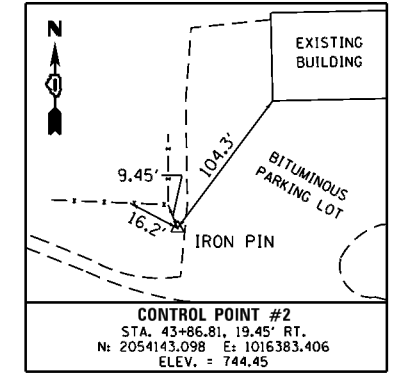
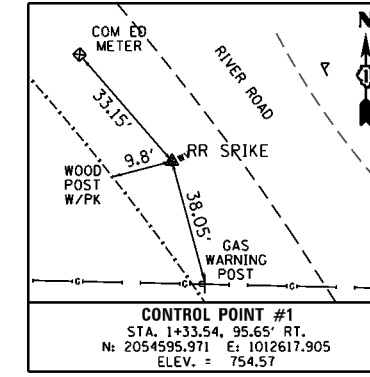
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Default	alignment04.dgn	DRAWN - RAH	REVISED -		SCALE: N.T.S.	SHEET 3 OF 4 SHEETS	STA.	TO STA.	MORAIN HILLS - MCHENRY LAKE SEGMENT - WEST SECTION	MCHENRY	75	16
	PLOT SCALE = 100.0000' / in.	CHECKED - KLT	REVISED -								CONTRACT NO. 46343	
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -								ILLINOIS FED. AID PROJECT	

GRAND IL TRAIL @ COORDINATE DATA

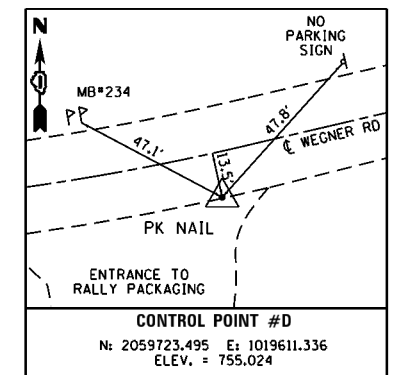
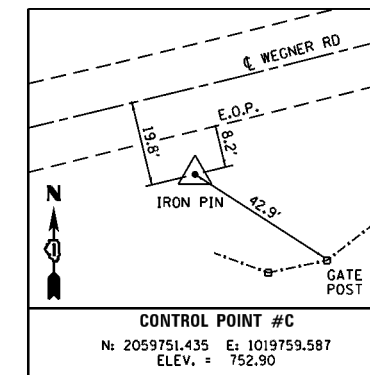
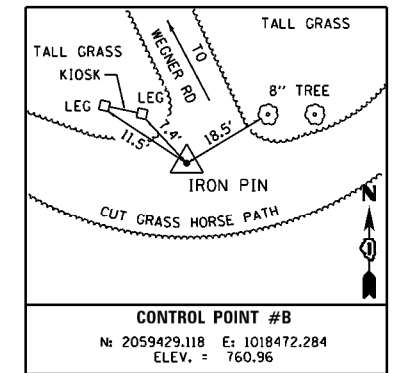
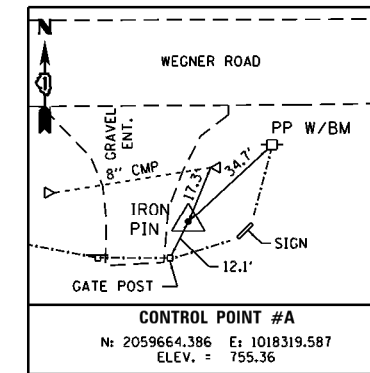
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P.C. STA. 12+10.60 N. : 2054144.406 E. : 1013484.960	P.C. STA. 31+47.53 N. : 2054468.457 E. : 1015306.589	P.R.C. STA. 44+93.12 N. : 2054212.077 E. : 1016471.847
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P.T. STA. 12+43.63 (BK) N. : 2054137.422 E. : 1013517.203	P.T. STA. 32+77.33 N. : 2054392.033 E. : 1015400.247	P.T. STA. 45+97.63 N. : 2054261.604 E. : 1016558.513
		P.O.T. STA. 47+06.52 N. : 2054261.236 E. : 1016667.405

PARKING AREA ENTRANCE ROAD @ COORDINATE DATA

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MIGITATION SITE CONTROL POINTS



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	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

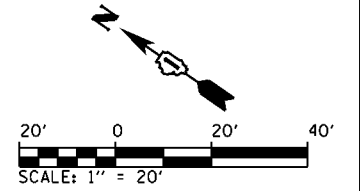
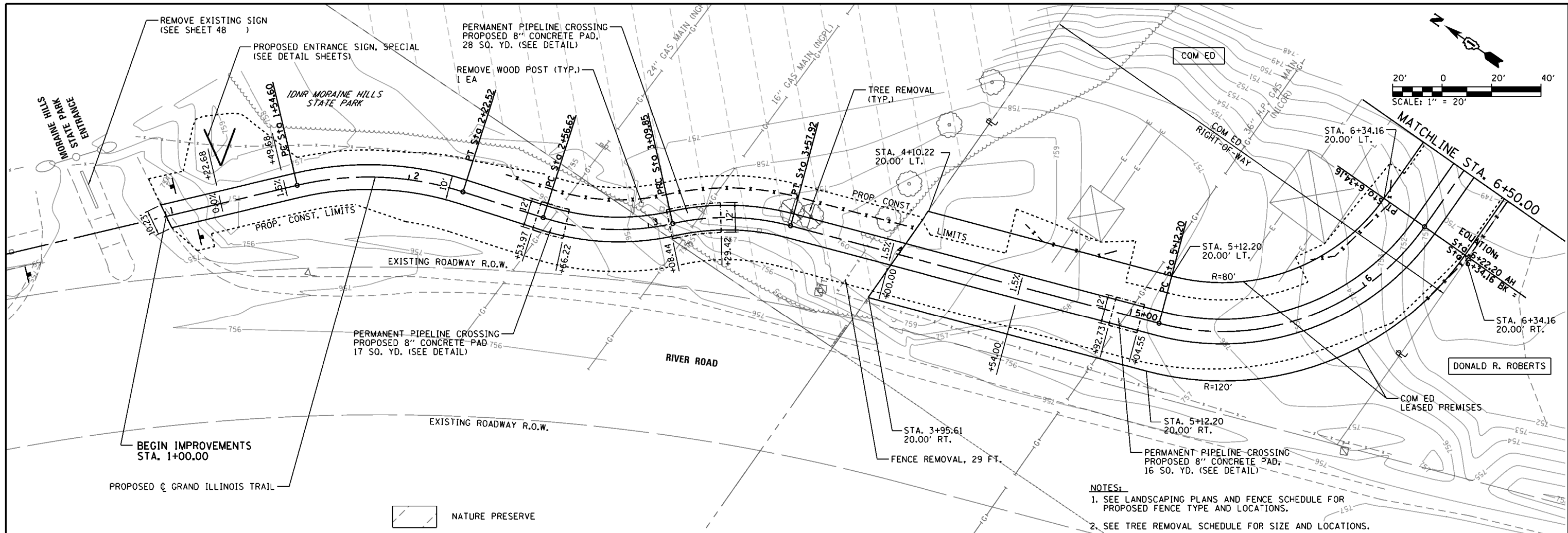
ALIGNMENT - COORDINATE DATA & CONTROL POINTS
GRAND ILLINOIS TRAIL

SCALE: N.T.S. SHEET 4 OF 4 SHEETS STA. TO STA.

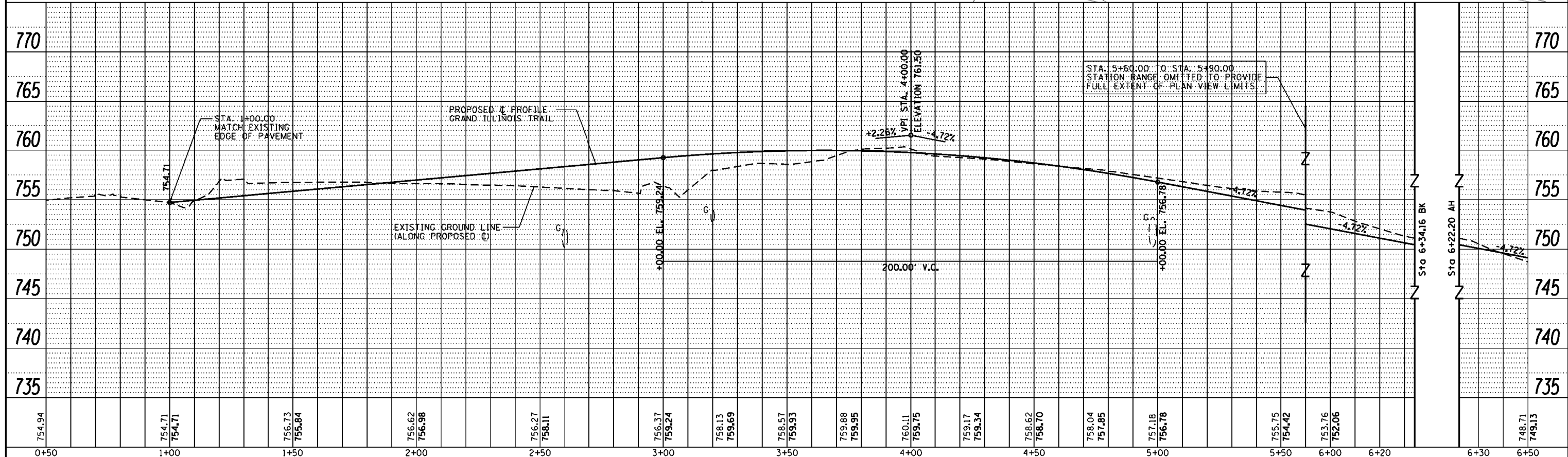
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	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	17
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	



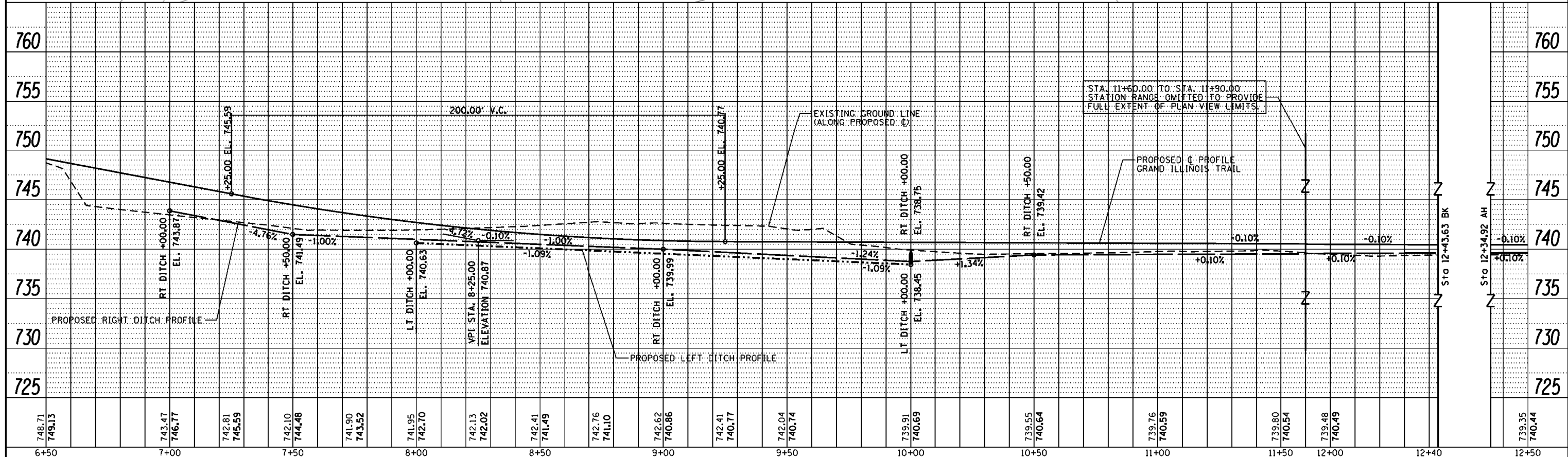
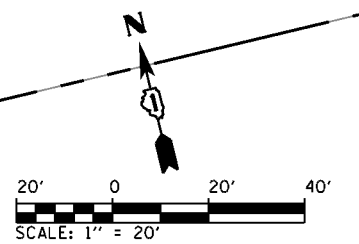
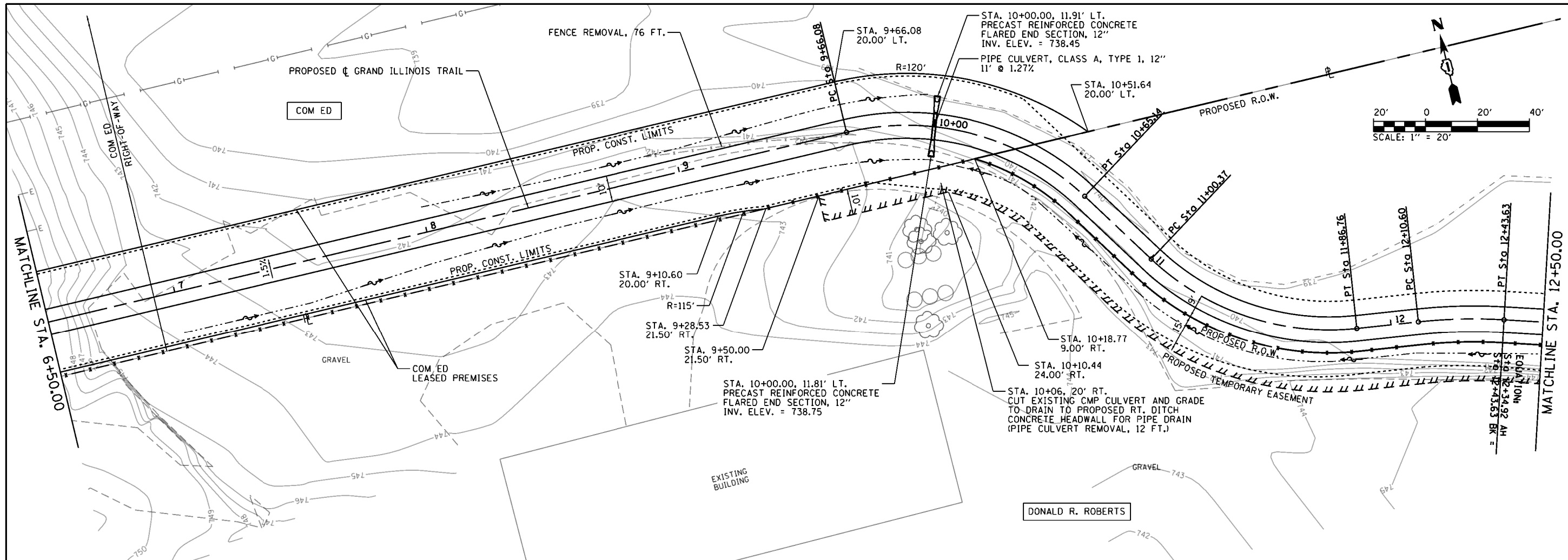
- NOTES:**
1. SEE LANDSCAPING PLANS AND FENCE SCHEDULE FOR PROPOSED FENCE TYPE AND LOCATIONS.
 2. SEE TREE REMOVAL SCHEDULE FOR SIZE AND LOCATIONS.



FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SHEETS GRAND ILLINOIS TRAIL BIKE PATH	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. MORaine HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION MCHENRY 75 18 CONTRACT NO. 46343 ILLINOIS FED. AID PROJECT
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	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -			
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -			

PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
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	NOTE BOOK NO.		
	FILE NAME		

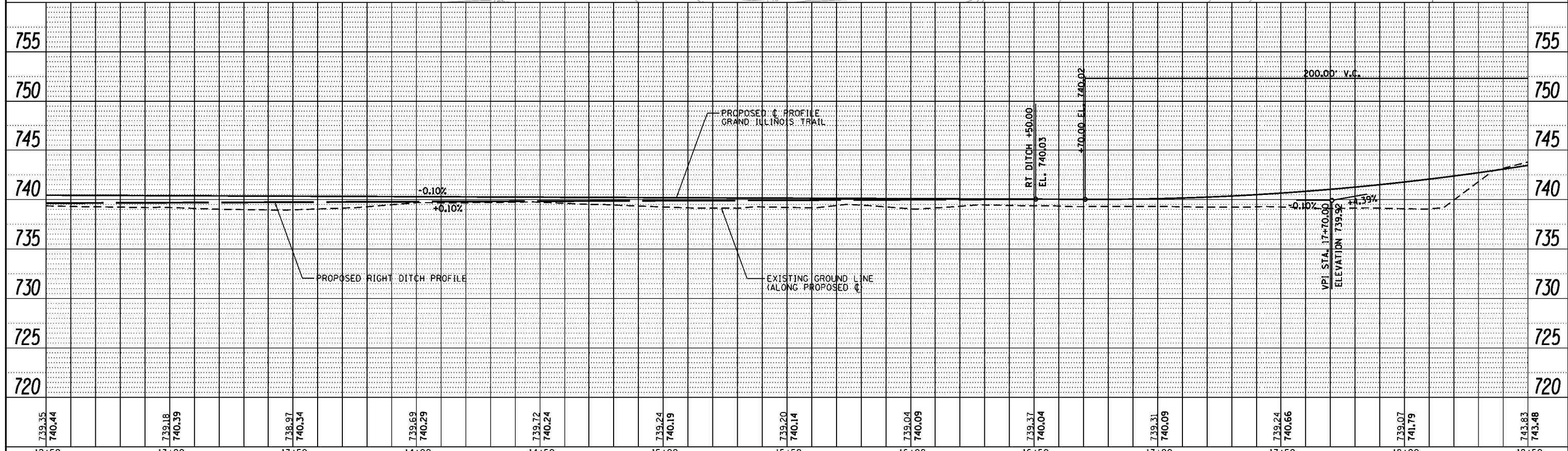
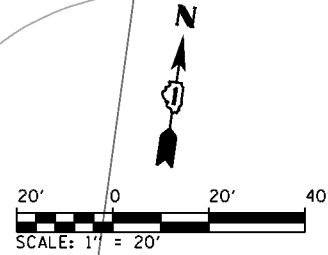
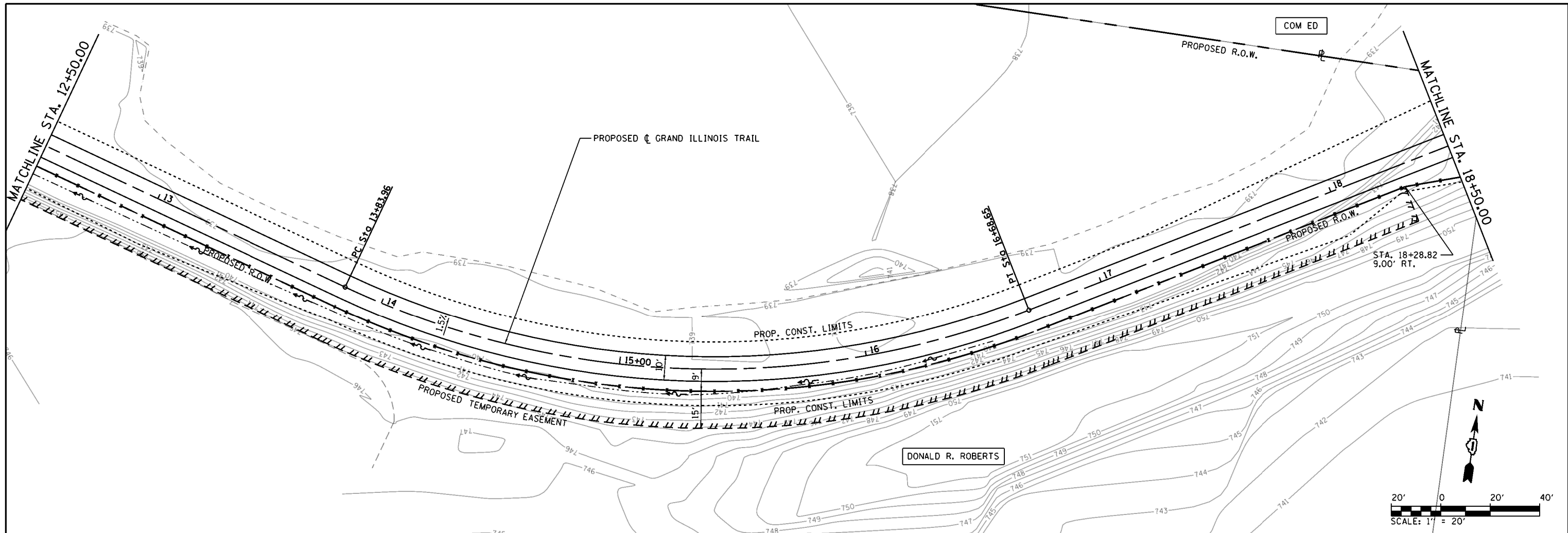
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	FILE NAME		



FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN AND PROFILE SHEETS GRAND ILLINOIS TRAIL BIKE PATH		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
L:\DOT\206601\Draw\CADD_Sheets\01.sht		DRAWN - RAH	REVISED -	SCALE: 1" = 20'		SHEET 2 OF SHEETS		MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION		MCHENRY	75	19
Default	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -	SCALE: 1" = 20'		STA. 6+50 TO STA. 12+50		CONTRACT NO. 46343		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -									

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



739.35 740.44	739.18 740.39	738.97 740.34	739.69 740.29	739.72 740.24	739.24 740.19	739.20 740.14	739.04 740.09	739.37 740.04	739.31 740.09	739.24 740.66	739.07 741.79	743.83 743.48
12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50

FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
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		DATE - 8/22/2014	REVISED -

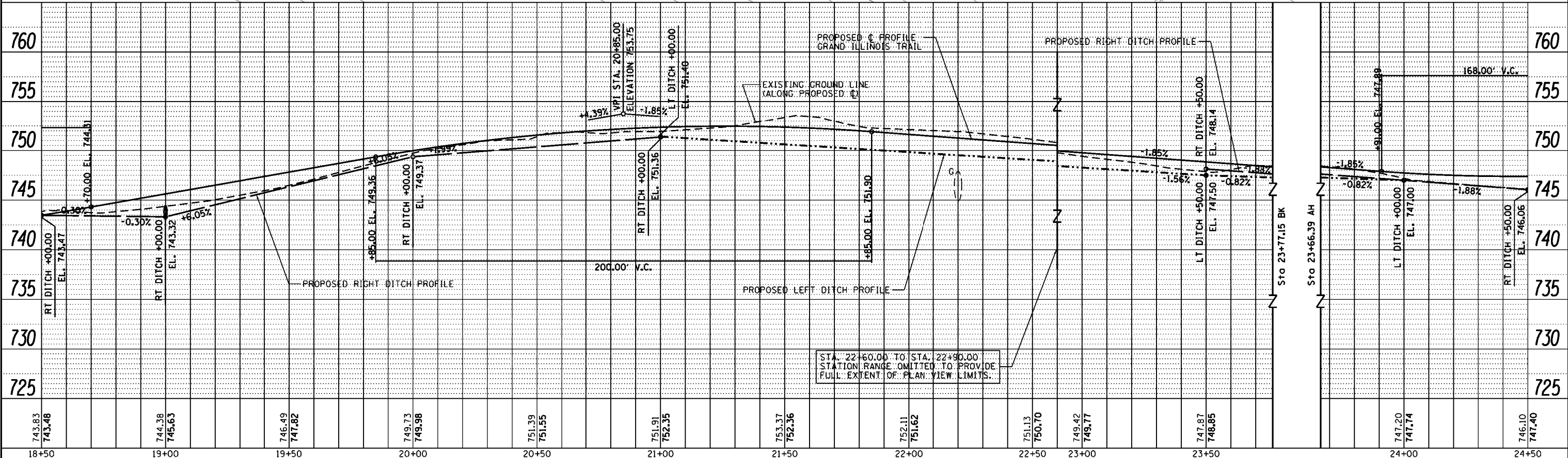
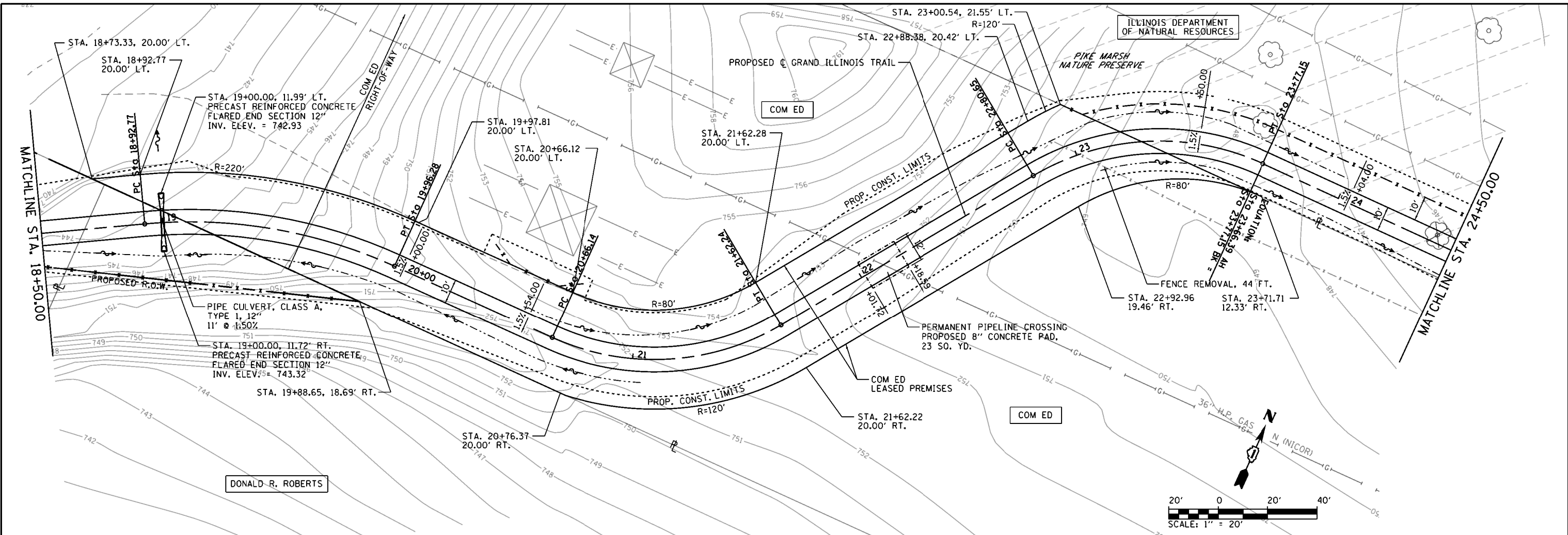
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE SHEET	
GRAND ILLINOIS TRAIL BIKE PATH	
SCALE: 1" = 20'	SHEET 3 OF SHEETS STA. 12+50 TO STA. 18+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINES HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	20
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

DATE	
BY	
PLAN	SUBMITTED
	PLOTTED
	GRADES CHECKED
	ALIGNED
	NOTATIONS CHD
	FILE NAME
	NO.

DATE	
BY	
PROFILE	SUBMITTED
	PLOTTED
	GRADES CHECKED
	ALIGNED
	NOTATIONS CHD
	FILE NAME
	NO.



FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
L:\DOT\206601\Draw\CADD\Sheets\01.sht		DRAWN - RAH	REVISED -
Default		CHECKED - KLT	REVISED -
		DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

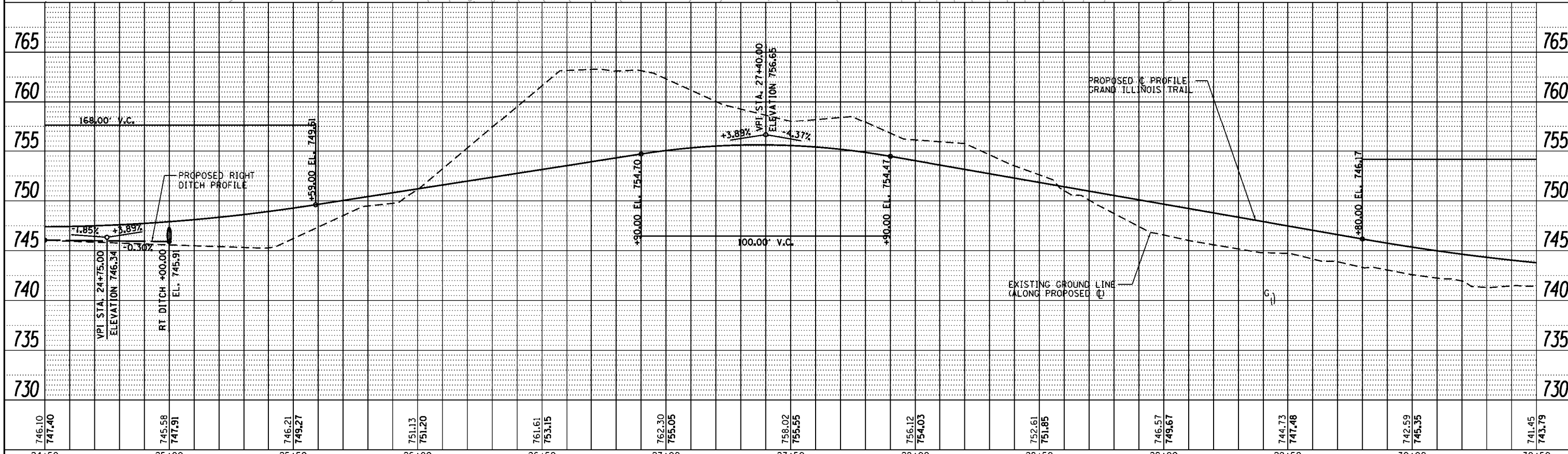
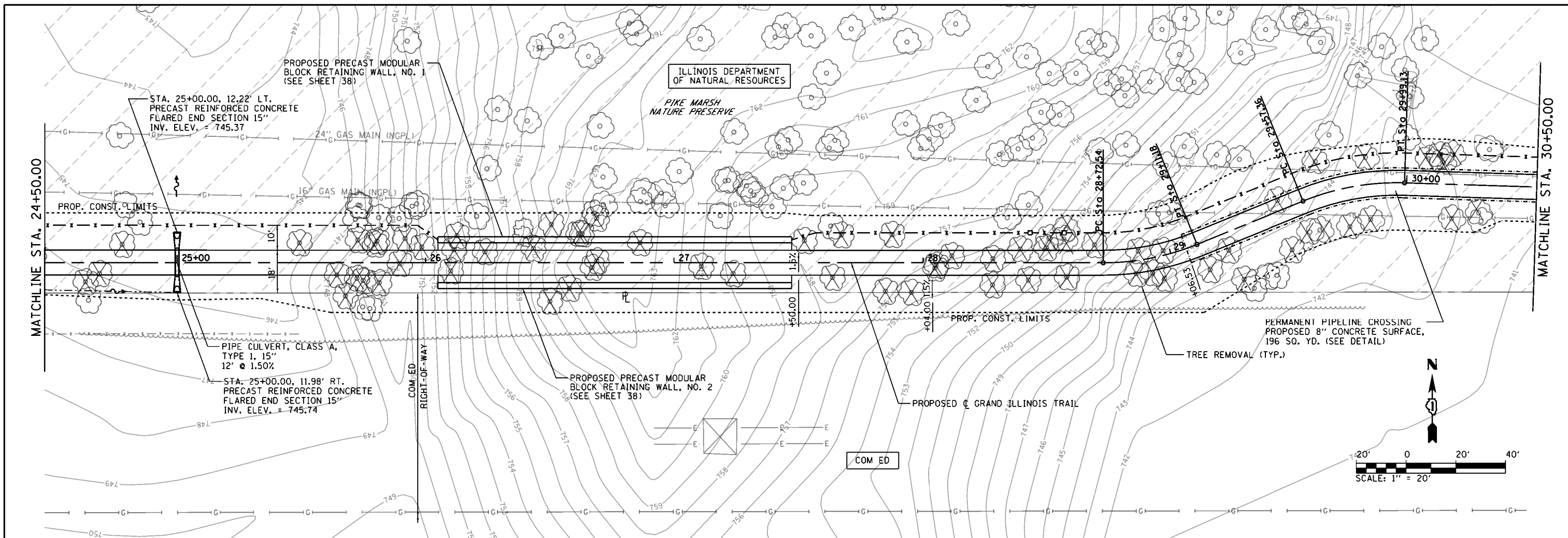
**PLAN AND PROFILE SHEET
GRAND ILLINOIS TRAIL BIKE PATH**

SCALE: 1" = 20' SHEET 4 OF SHEETS STA. 18+50 TO STA. 24+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	BY	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	BY	



FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
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		DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

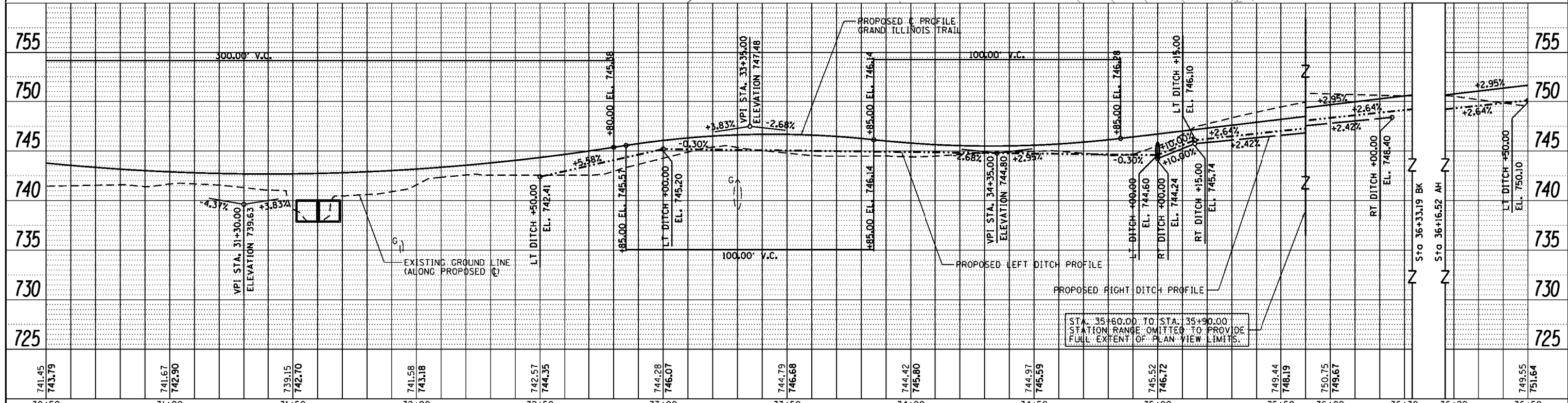
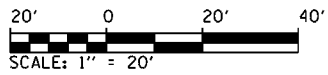
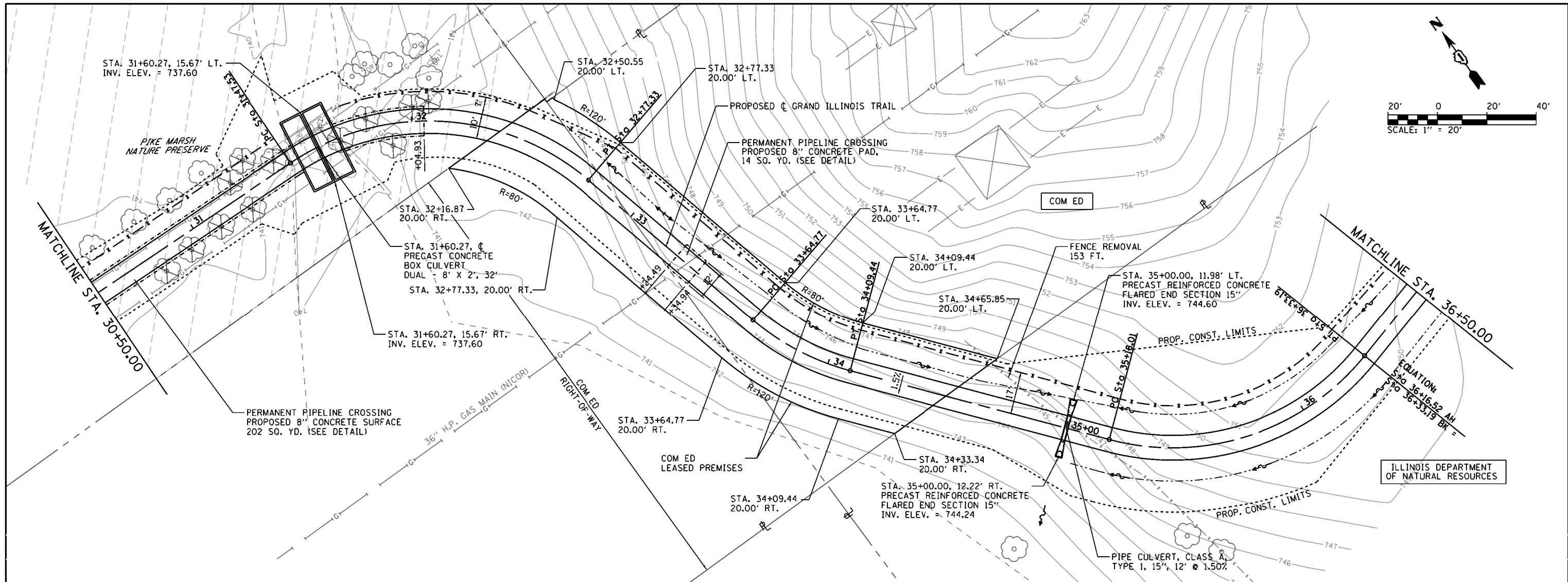
**PLAN AND PROFILE SHEET
GRAND ILLINOIS TRAIL BIKE PATH**

SCALE: 1" = 20' SHEET 5 OF SHEETS STA. 24+50 TO STA. 30+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	22
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	NOTED	
	APPROVED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	NOTED	
	APPROVED	
	FILED	
	FILE NAME	
	NO.	



FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

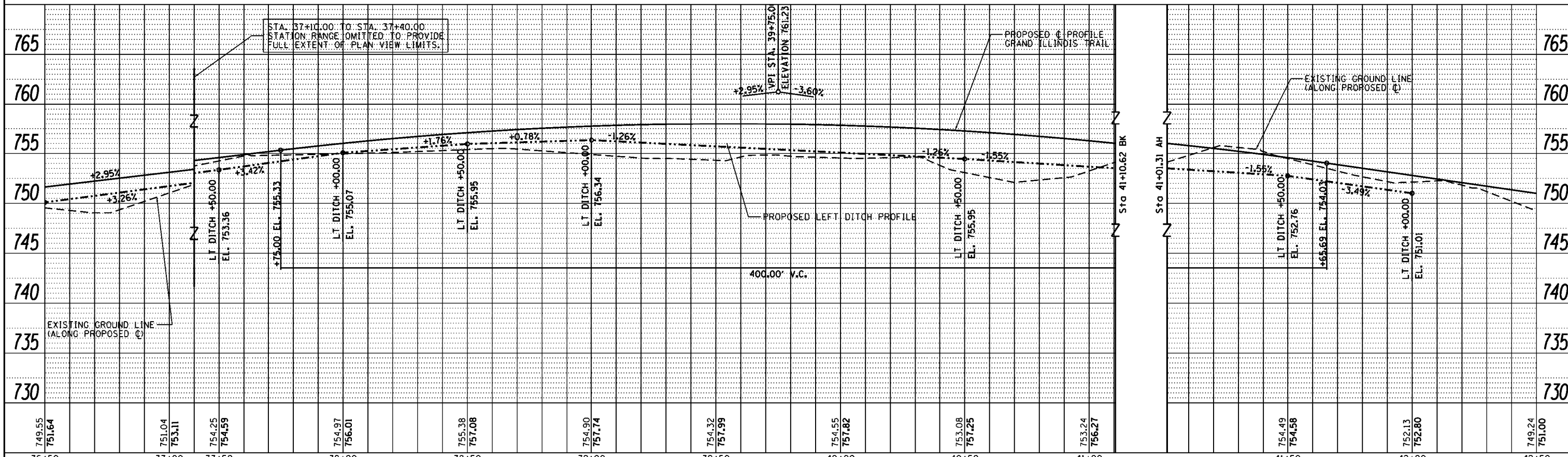
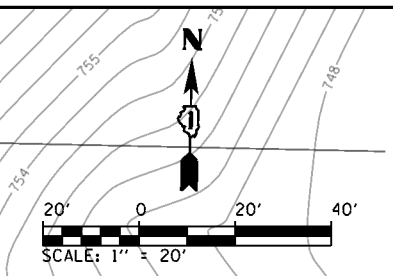
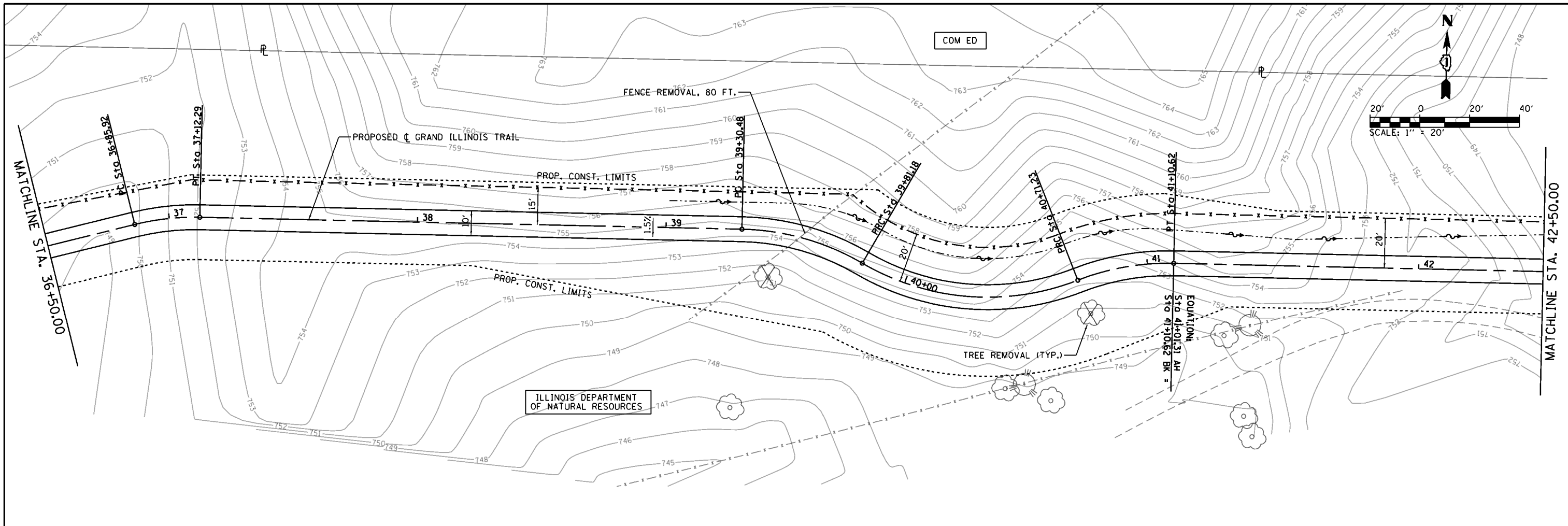
**PLAN AND PROFILE SHEET
GRAND ILLINOIS TRAIL BIKE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINES HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	23
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET 6 OF SHEETS STA. 30+50 TO STA. 36+50

PLAN	SUBMITTED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



749.55 751.64	751.04 753.11	754.25 754.59	754.97 756.01	755.38 757.08	754.90 757.74	754.32 757.99	754.55 757.82	753.08 757.25	753.24 756.27	754.49 754.58	752.13 752.80	749.24 751.00
36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50

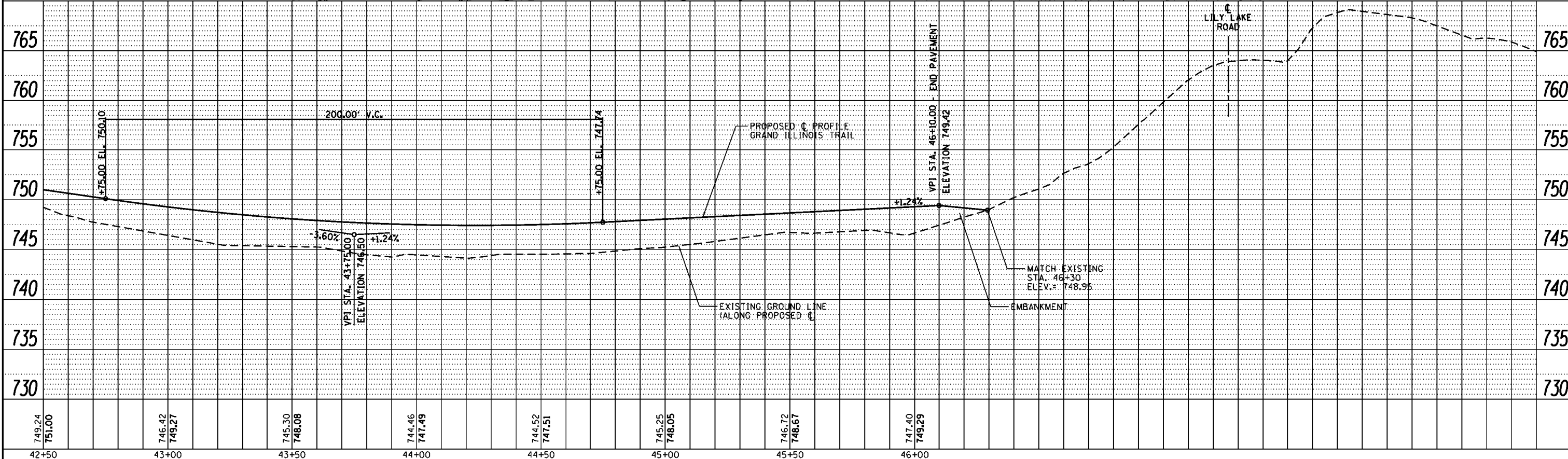
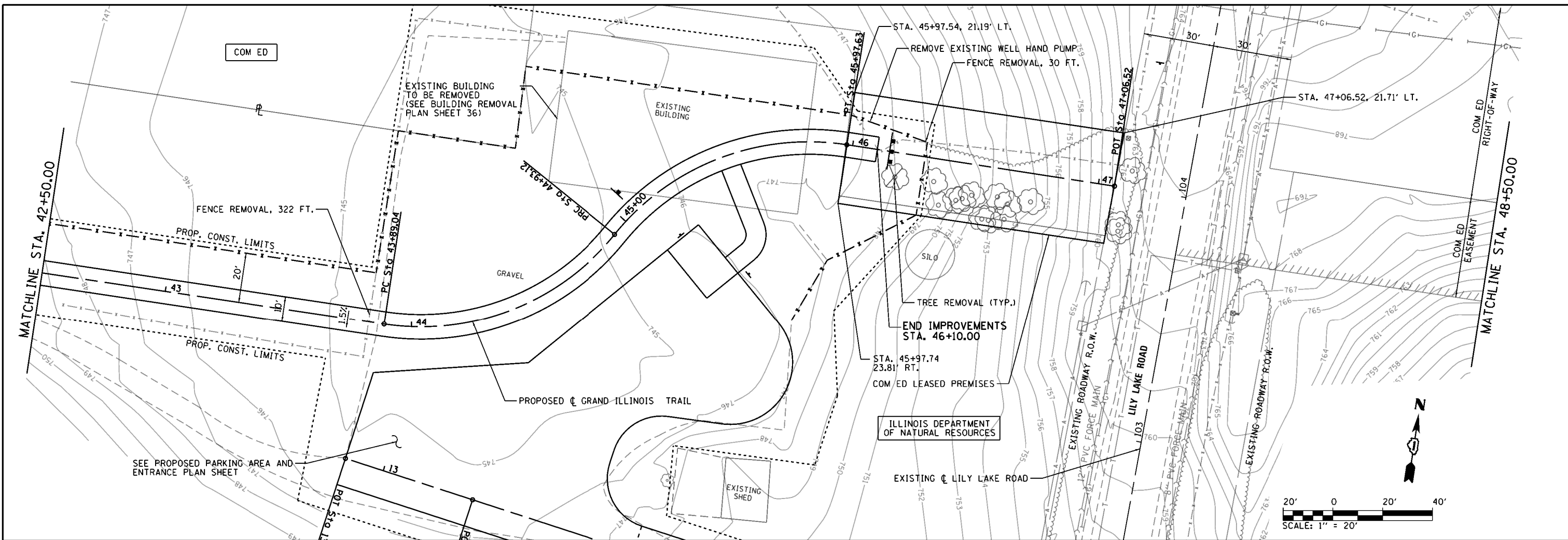
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		DATE - 8/22/2014	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN AND PROFILE SHEET GRAND ILLINOIS TRAIL BIKE PATH	
SCALE: 1" = 20'	SHEET 7 OF SHEETS	STA. 36+50 TO STA. 42+50	CONTRACT NO. 46343

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	24
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
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	NOTE BOOK NO.		
	CADD FILE NAME		



749.24 751.00	746.42 749.27	745.30 748.08	744.46 747.49	744.52 747.51	745.25 748.05	746.72 748.67	747.40 749.29
42+50	43+00	43+50	44+00	44+50	45+00	45+50	46+00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE SHEET
GRAND ILLINOIS TRAIL BIKE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	25
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

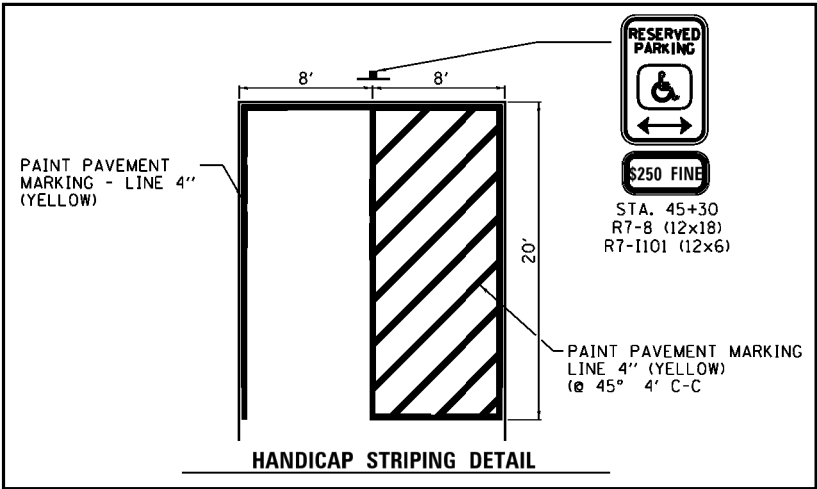
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DRAWN - RAH
CHECKED - KLT
DATE - 8/22/2014

DESIGNED - MJO
DRAWN - RAH
CHECKED - KLT
DATE - 8/22/2014

REVISED -
REVISED -
REVISED -
REVISED -



PARKING AREA LAYOUT POINTS

No.	STATION	OFFSET	EXIST. ELEV.	PROP. ELEV.
1	STA. 10+07.12	39.55' LT.	753.56	---
2	STA. 10+17.76	22.19' LT.	753.93	---
3	STA. 10+45.51	13.56' LT.	754.46	---
4	STA. 10+69.33	11.00' LT.	754.17	---
5	STA. 10+76.22	27.16' LT.	754.00	---
6	STA. 10+81.07	16.18' LT.	754.05	---
7	STA. 11+00.00	11.00' LT.	753.43	753.63
8	STA. 11+75.00	11.00' LT.	749.48	749.24
9	STA. 12+25.00	11.00' LT.	746.88	746.92
10	STA. 12+75.00	11.00' LT.	745.61	746.25
11	STA. 13+15.96	11.00' LT.	745.72	746.05
12	STA. 13+15.96	12.61' RT.	745.01	745.33
13	STA. 13+15.96	36.22' RT.	744.59	744.92
14	STA. 12+86.99	47.73' RT.	744.67	744.97
15	STA. 12+58.02	59.24' RT.	744.75	745.08
16	STA. 12+38.42	89.53' RT.	744.67	745.47
17	STA. 11+97.84	106.23' RT.	745.60	746.35
18	STA. 12+18.83	119.81' RT.	745.55	745.85
19	STA. 11+89.15	119.67' RT.	745.98	746.67
20	STA. 11+95.86	124.01' RT.	745.96	746.51
21	STA. 12+10.14	133.25' RT.	746.13	746.13
22	STA. 12+07.96	156.76' RT.	746.63	748.53
23	STA. 12+01.57	161.59' RT.	746.82	748.64
24	STA. 11+67.32	105.54' RT.	745.99	746.76
25	STA. 11+56.39	79.63' RT.	747.02	747.31
26	STA. 11+76.48	59.95' RT.	746.52	746.88
27	STA. 11+97.83	56.11' RT.	745.46	746.10
28	STA. 12+14.29	36.43' RT.	745.25	745.73
29	STA. 12+14.29	31.00' RT.	745.40	746.57
30	STA. 11+94.29	11.00' RT.	747.41	747.75
31	STA. 11+75.00	11.00' RT.	748.48	748.87
32	STA. 11+00.00	11.00' RT.	751.47	753.30
33	STA. 10+47.71	11.00' RT.	753.87	754.39
34	STA. 10+23.11	31.56' RT.	755.96	---
35	STA. 10+19.79	49.97' RT.	757.04	---

BILL OF MATERIALS - PARKING AREA

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	146
FURNISHED EXCAVATION	CU YD	322
TOPSOIL EXCAVATION AND PLACEMENT	CU YD	172
AGGREGATE BASE COURSE, TYPE B	TON	215.5
AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	698
PREPARATION OF BASE	SQ YD	1,232
AGGREGATE SURFACE COURSE, TYPE A 4"	SQ YD	1,807
BITUMINOUS MATERIALS (PRIME COAT)	TON	0.1
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	14.2
PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	45
WOVEN WIRE FENCE, 4'	FOOT	71
SIGN PANEL - TYPE 1	SQ FT	10
WOOD SIGN SUPPORT	FOOT	38
PAINT PAVEMENT MARKING - LINE 4"	FOOT	90
RELOCATE EXISTING MAILBOX	EACH	1
FENCE REMOVAL	FOOT	57
REMOVE AND RELOCATE EXISTING GATE	EACH	1

NOTE: PROPOSED SIGNS SHALL BE POST MOUNTED ON WOOD SIGN SUPPORTS, UNLESS NOTED OTHERWISE.

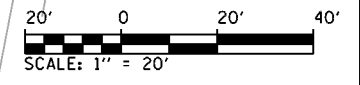
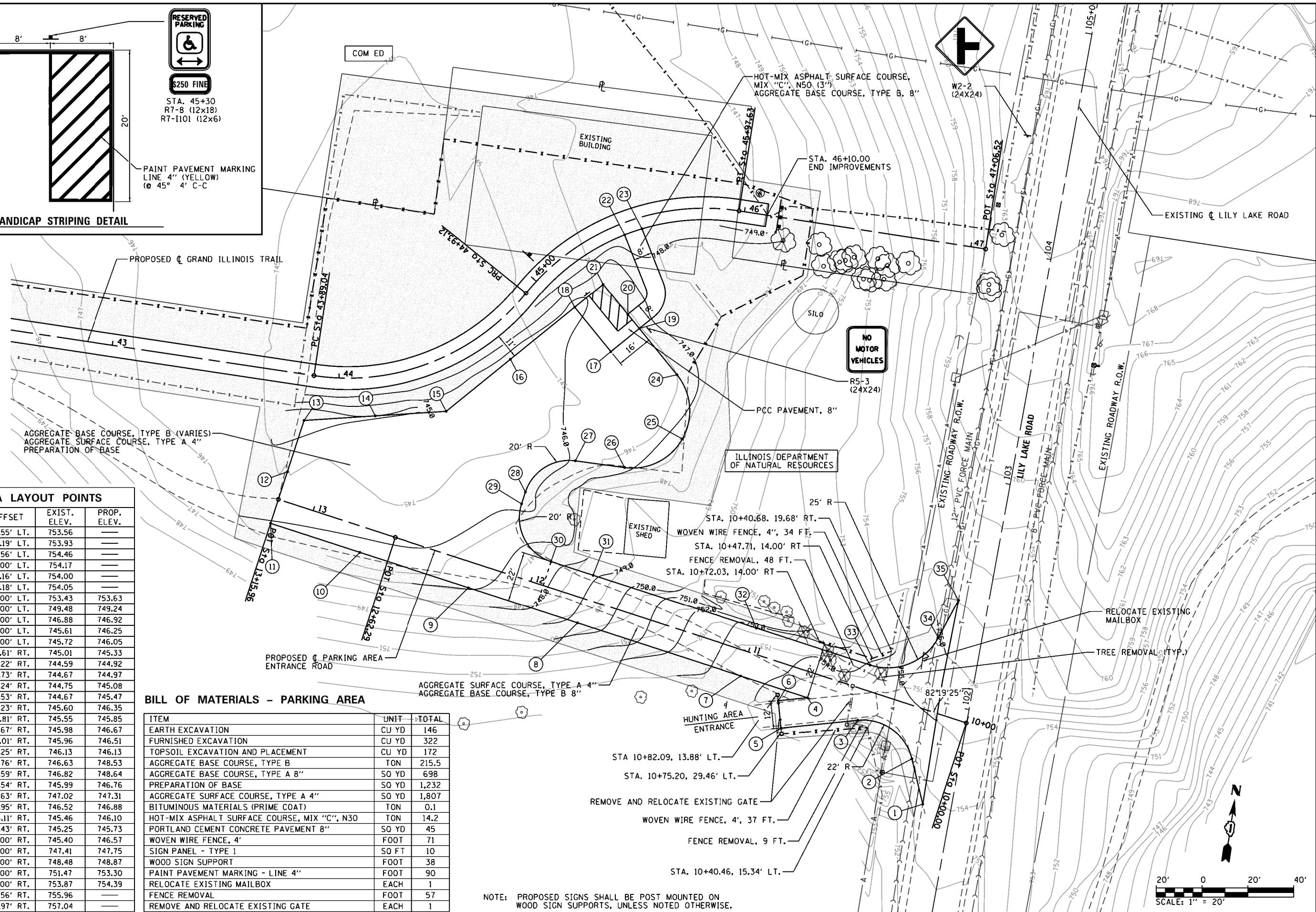
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LILY LAKE ROAD ENTRANCE & PARKING AREA
GRAND ILLINOIS TRAIL BIKE PATH

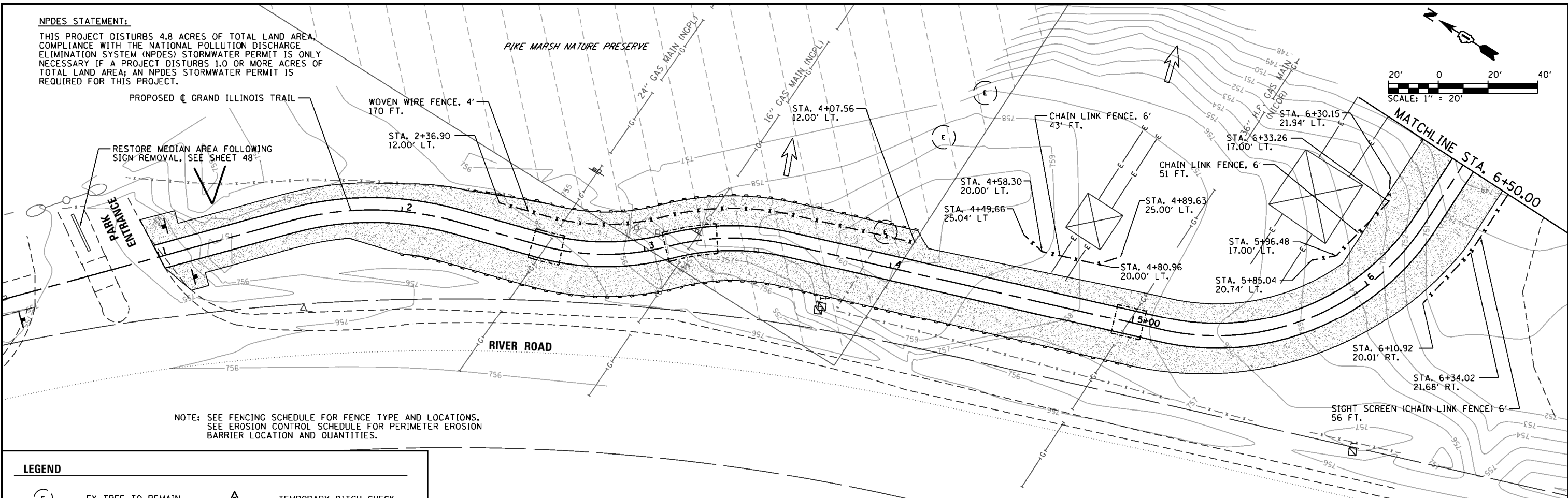
SCALE: SHEET OF SHEETS STA. 42+50 TO STA. 48+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	26
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				



NPDES STATEMENT:

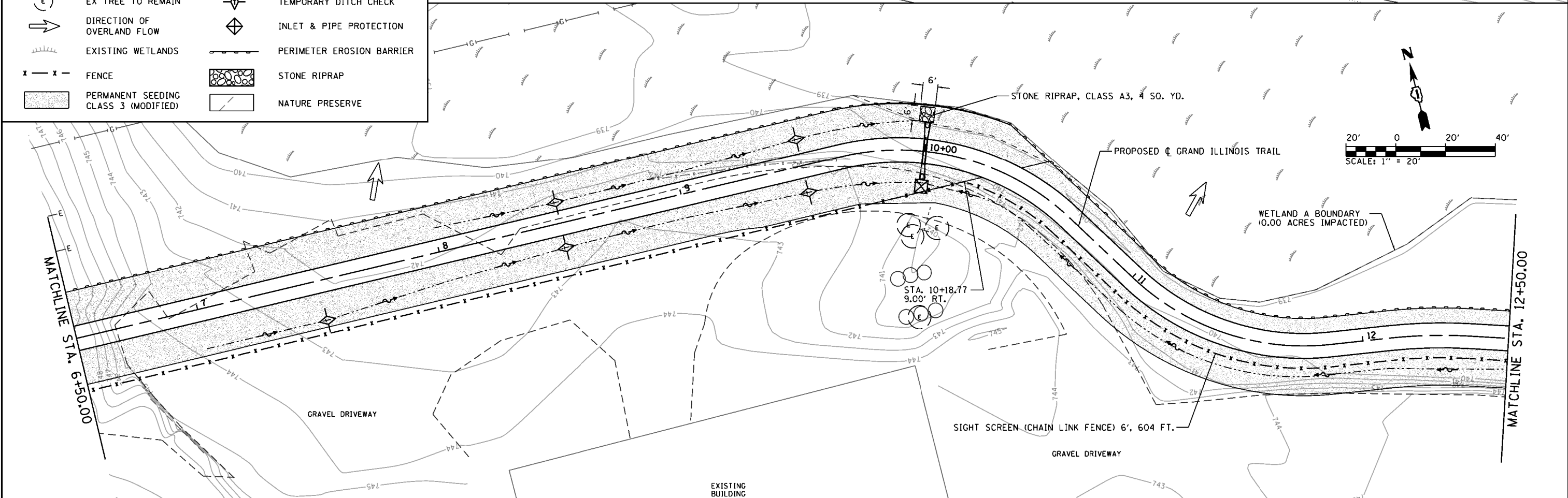
THIS PROJECT DISTURBS 4.8 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.



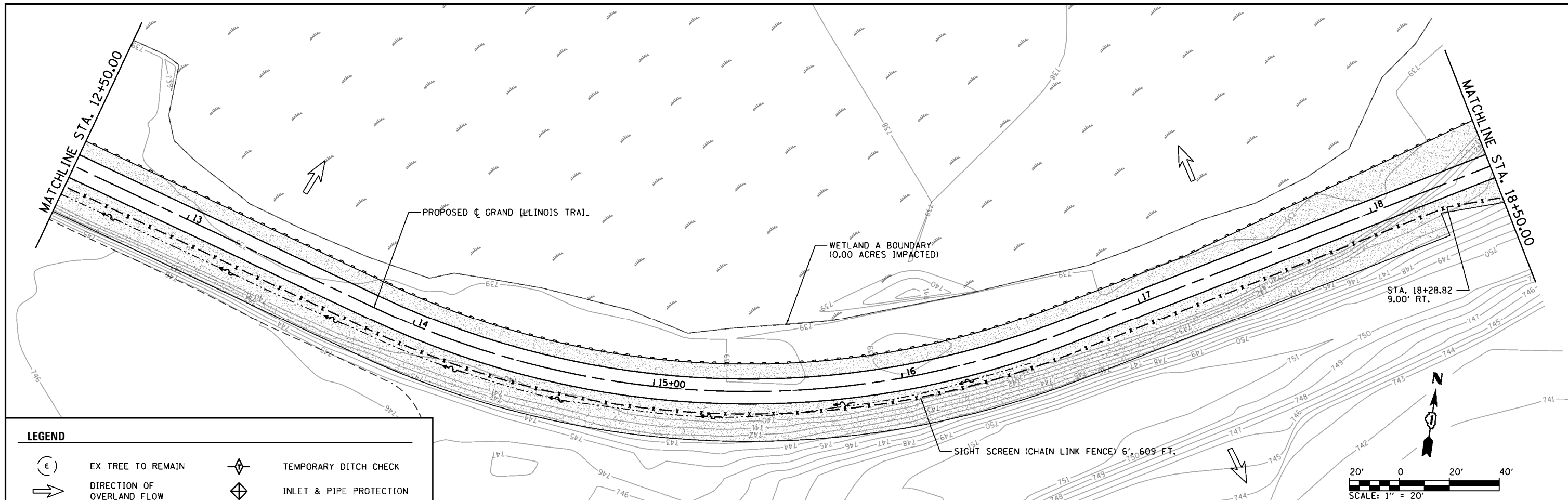
NOTE: SEE FENCING SCHEDULE FOR FENCE TYPE AND LOCATIONS, SEE EROSION CONTROL SCHEDULE FOR PERIMETER EROSION BARRIER LOCATION AND QUANTITIES.

LEGEND

- (E) EX TREE TO REMAIN
- DIRECTION OF OVERLAND FLOW
- Existing Wetlands symbol
- - - FENCE
- Permanent Seeding Class 3 (Modified) symbol
- Temporary Ditch Check symbol
- Inlet & Pipe Protection symbol
- Perimeter Erosion Barrier symbol
- Stone Riprap symbol
- Nature Preserve symbol

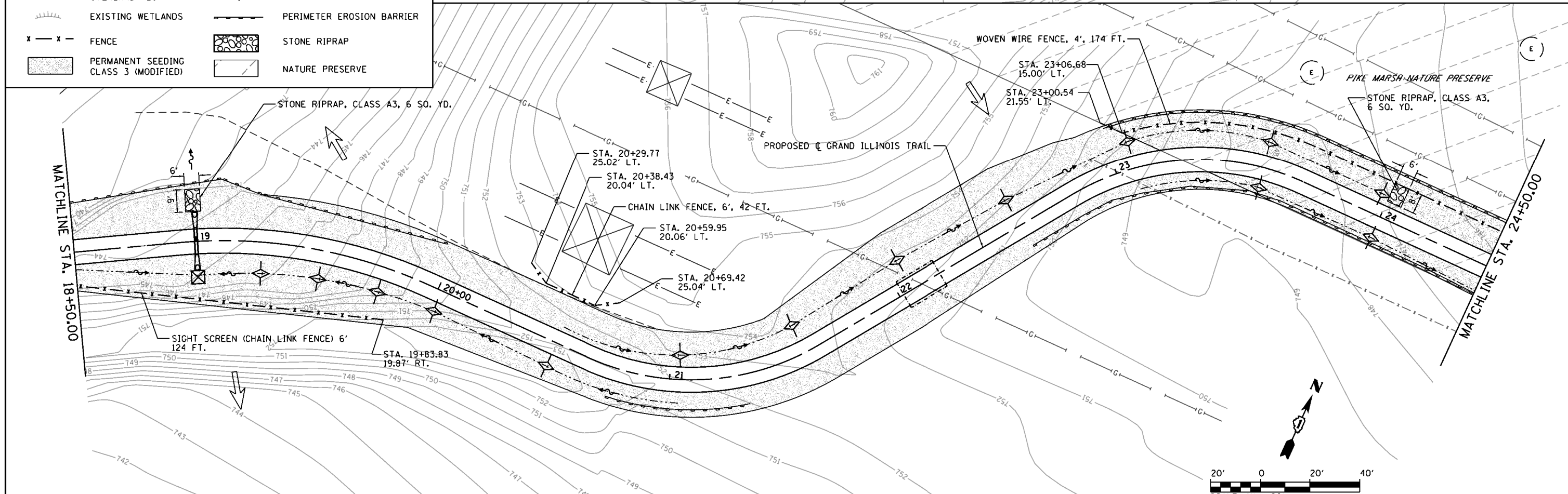
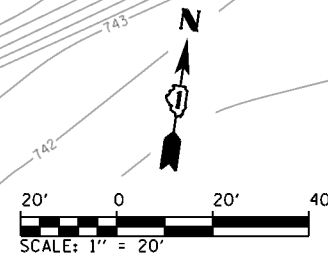


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Default	Fros 01.dgn	DRAWN - RAH	REVISED -		SCALE: 1" = 20'	SHEET 1 OF SHEETS	STA. 0+00 TO STA. 12+50	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	27	
	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -					CONTRACT NO. 46343				
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -					ILLINOIS FED. AID PROJECT				



LEGEND

- (E) EX TREE TO REMAIN
- ➔ DIRECTION OF OVERLAND FLOW
- ⌋ EXISTING WETLANDS
- x - x - FENCE
- █ PERMANENT SEEDING CLASS 3 (MODIFIED)
- ⬠ TEMPORARY DITCH CHECK
- ⬠ INLET & PIPE PROTECTION
- ⌋ PERIMETER EROSION BARRIER
- █ STONE RIPRAP
- ⬠ NATURE PRESERVE



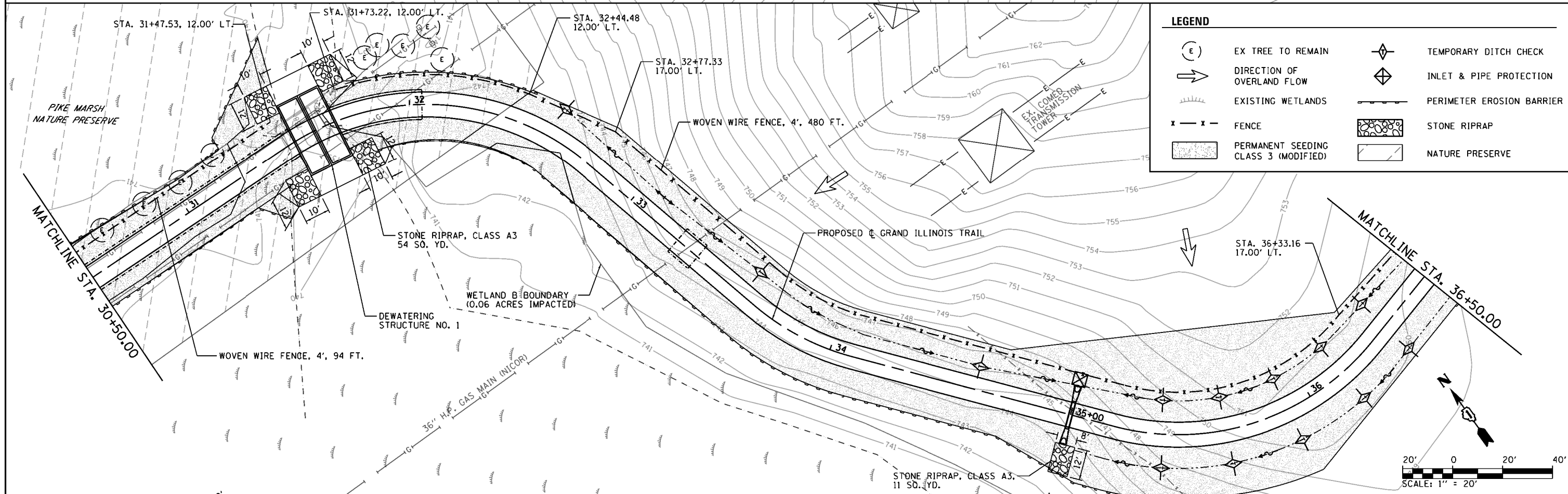
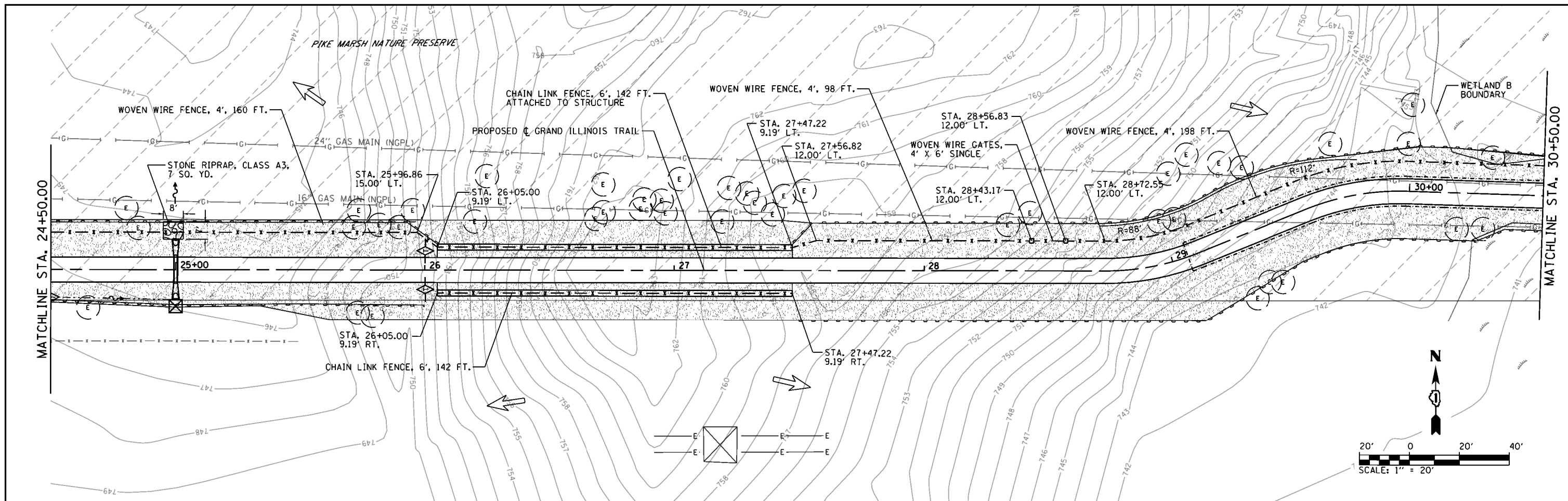
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	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING AND EROSION CONTROL SHEETS
GRAND ILLINOIS TRAIL**

SCALE: 1" = 20' SHEET 2 OF SHEETS STA. 12+50 TO STA. 24+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINNE HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	28
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				



LEGEND

(E)	EX TREE TO REMAIN	◇	TEMPORARY DITCH CHECK
→	DIRECTION OF OVERLAND FLOW	◇	INLET & PIPE PROTECTION
	EXISTING WETLANDS	---	PERIMETER EROSION BARRIER
x - x -	FENCE	▣	STONE RIPRAP
▨	PERMANENT SEEDING CLASS 3 (MODIFIED)	▭	NATURE PRESERVE

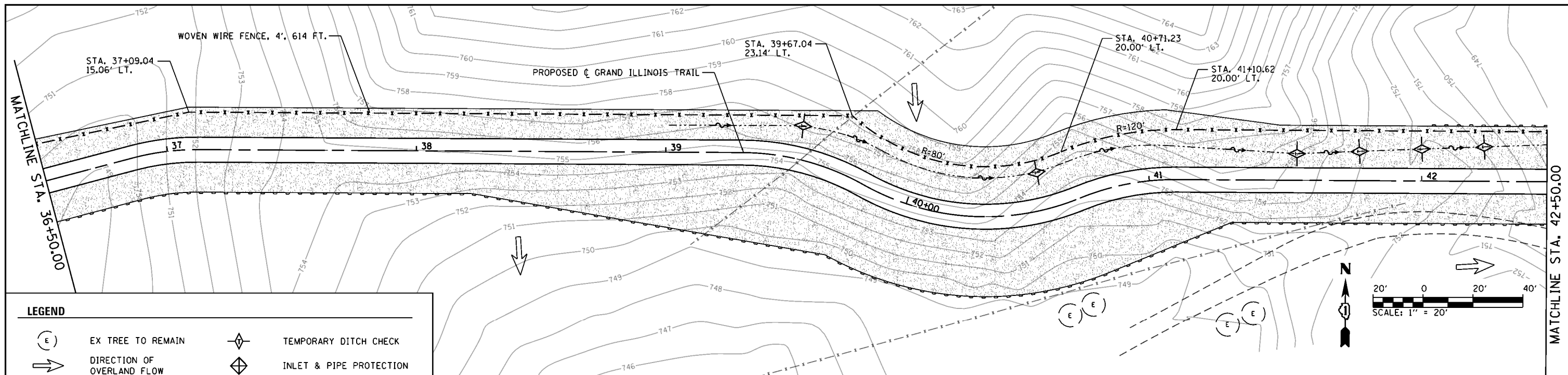
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

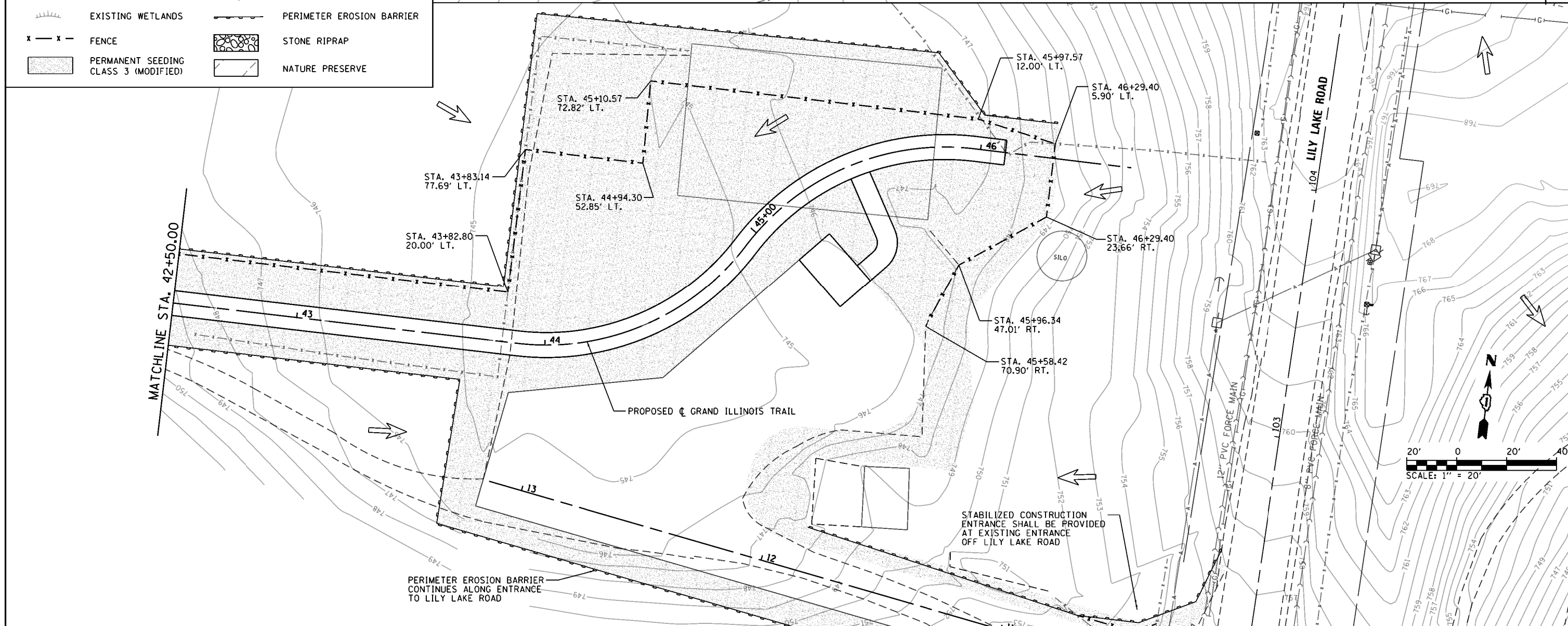
**LANDSCAPING AND EROSION CONTROL SHEETS
GRAND ILLINOIS TRAIL**

SCALE: 1" = 20' SHEET 3 OF SHEETS STA. 24+50 TO STA. 36+50

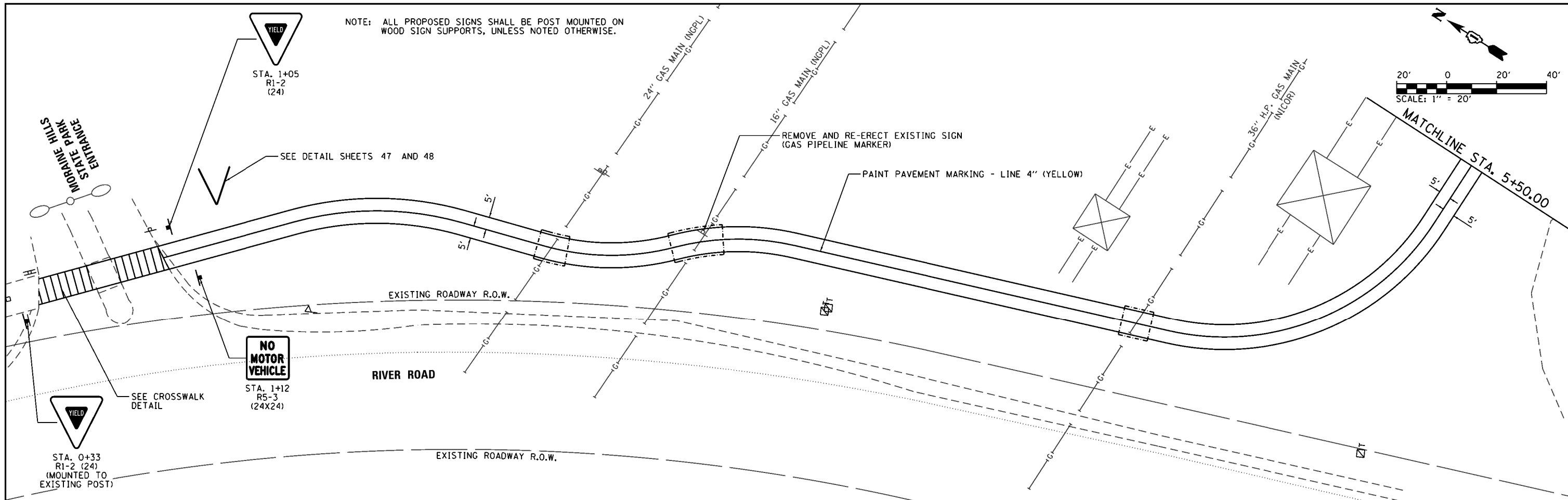
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	29
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				



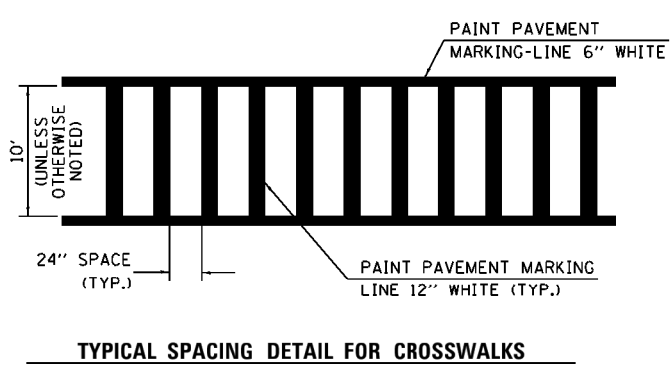
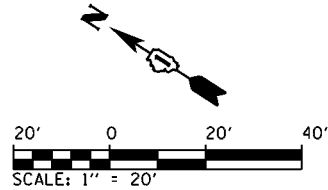
LEGEND	
(E)	EX TREE TO REMAIN
→	DIRECTION OF OVERLAND FLOW
~	EXISTING WETLANDS
x - x -	FENCE
▨	PERMANENT SEEDING CLASS 3 (MODIFIED)
◇	TEMPORARY DITCH CHECK
◇	INLET & PIPE PROTECTION
—	PERIMETER EROSION BARRIER
▨	STONE RIPRAP
▨	NATURE PRESERVE



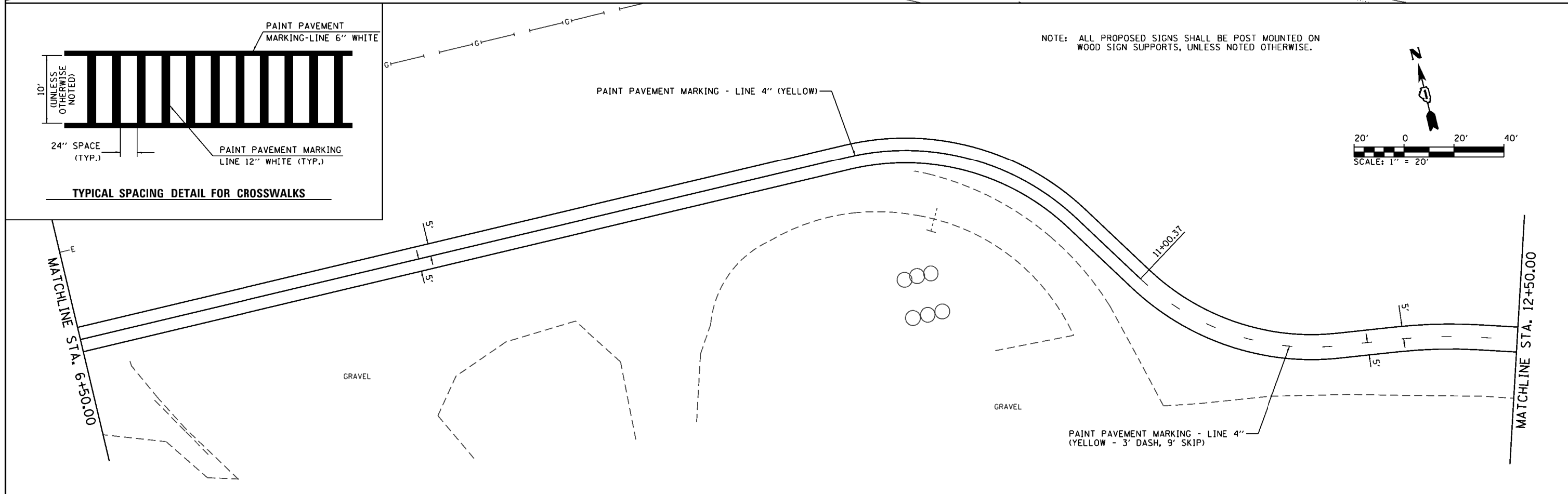
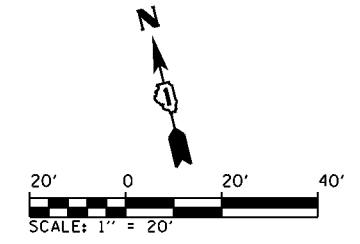
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		MCHENRY							
	PLOT DATE = 8/29/2014	DATE -	REVISED -		CONTRACT NO. 46343							



NOTE: ALL PROPOSED SIGNS SHALL BE POST MOUNTED ON WOOD SIGN SUPPORTS, UNLESS NOTED OTHERWISE.



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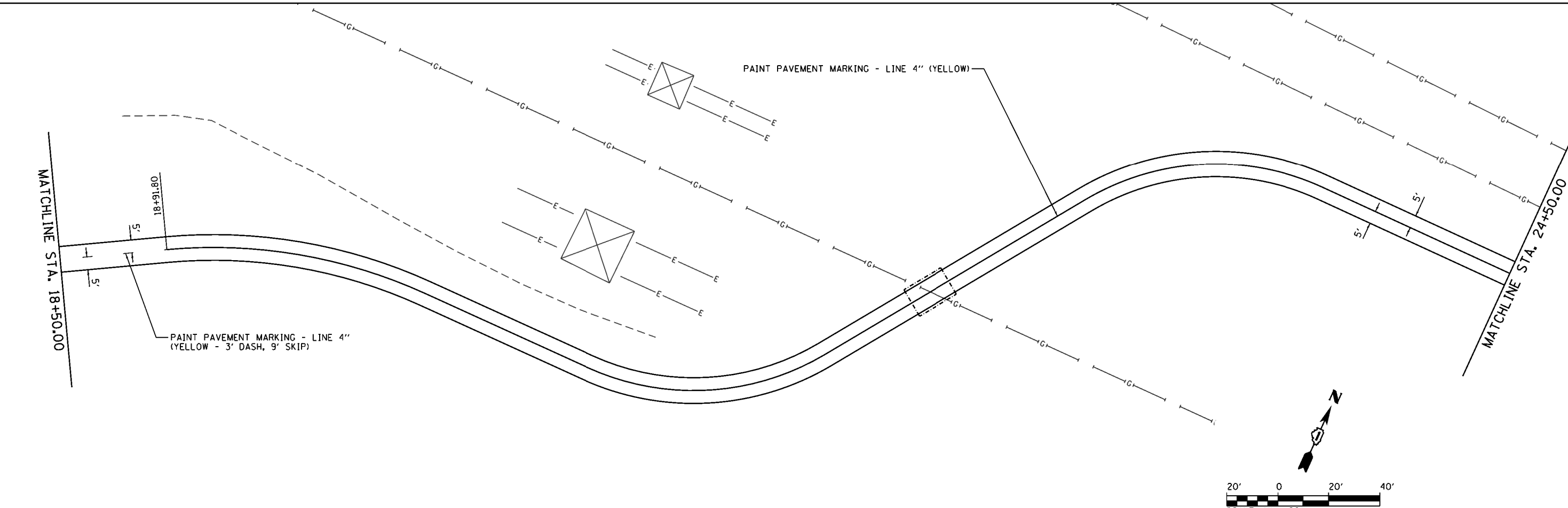
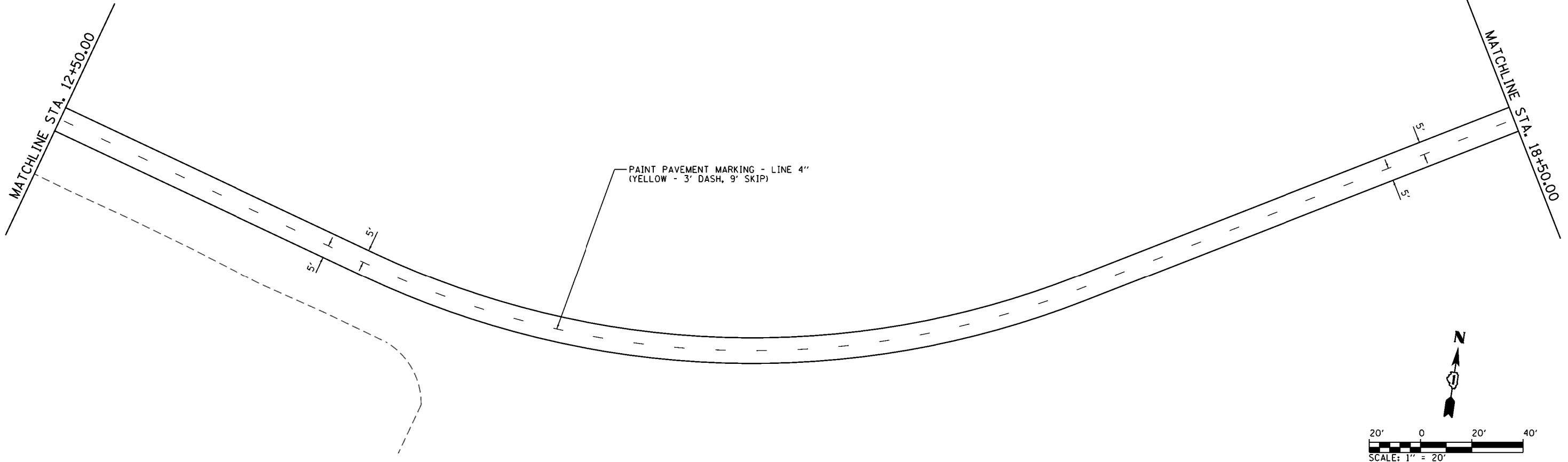
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLANS
GRAND ILLINOIS TRAIL**

SCALE: 1" = 20' SHEET 1 OF SHEETS STA. 0+00 TO STA. 12+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	31
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				



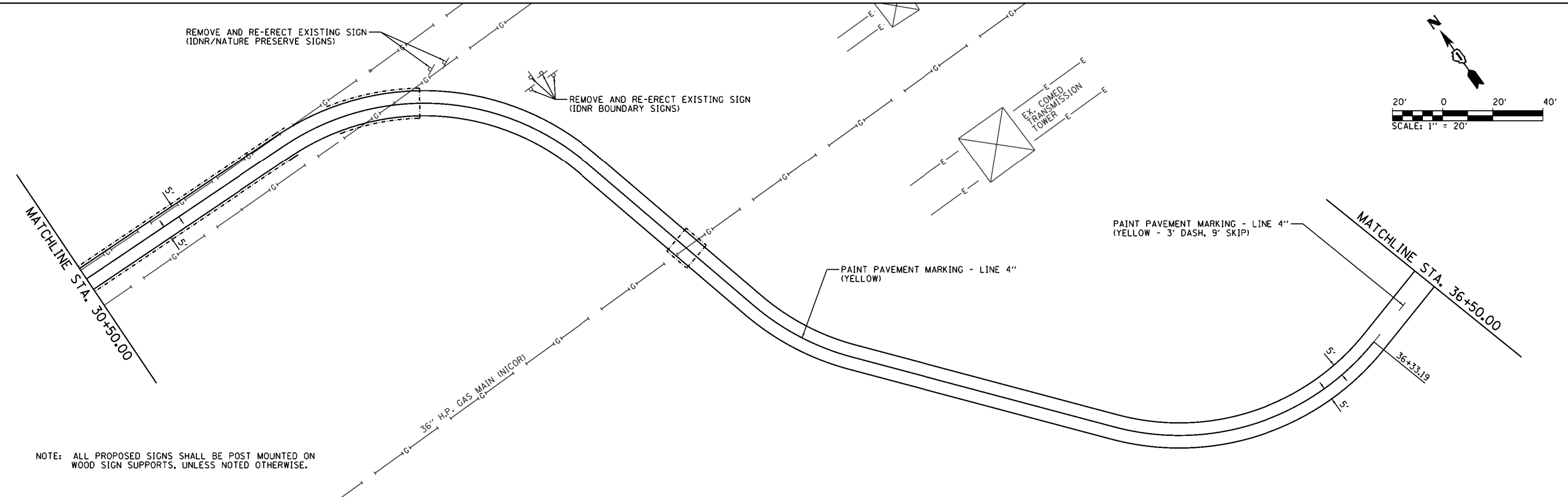
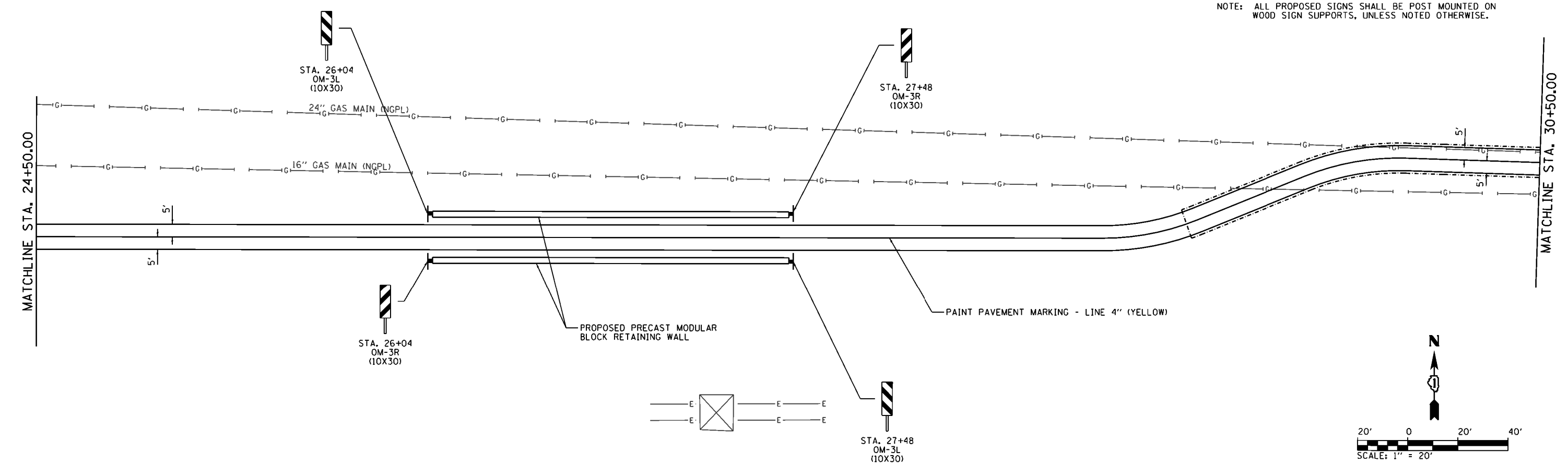
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	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLANS			
GRAND ILLINOIS TRAIL			
SCALE: 1" = 20'	SHEET 2 OF SHEETS	STA. 12+50	TO STA. 24+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINNE HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	32
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				

NOTE: ALL PROPOSED SIGNS SHALL BE POST MOUNTED ON WOOD SIGN SUPPORTS, UNLESS NOTED OTHERWISE.



NOTE: ALL PROPOSED SIGNS SHALL BE POST MOUNTED ON WOOD SIGN SUPPORTS, UNLESS NOTED OTHERWISE.

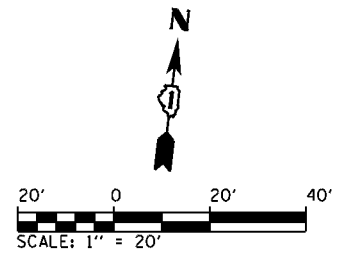
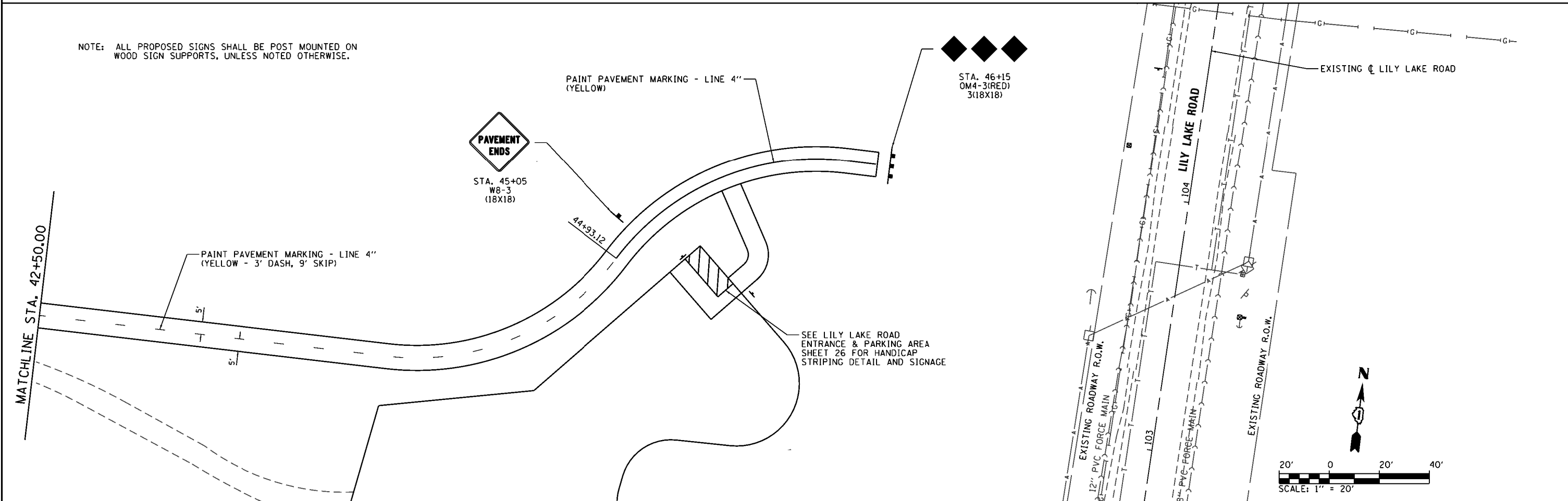
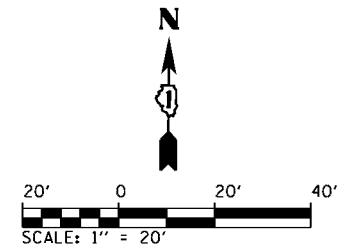
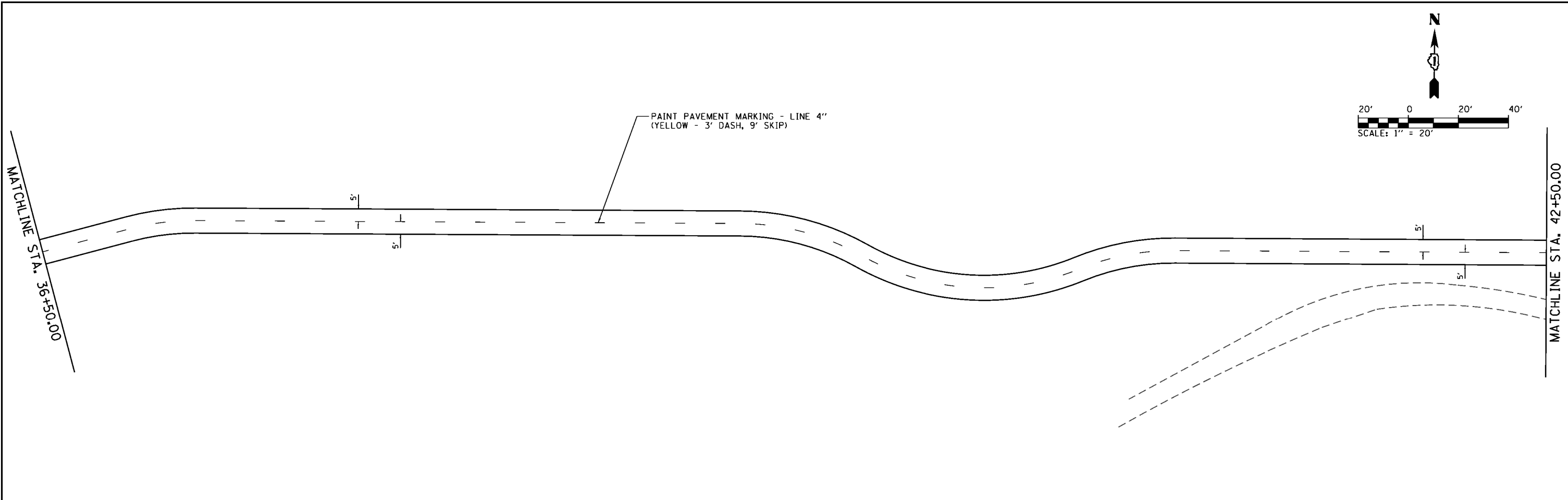
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	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLANS
GRAND ILLINOIS TRAIL**

SCALE: 1" = 20' SHEET 3 OF SHEETS STA. 24+50 TO STA. 36+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	33
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				



NOTE: ALL PROPOSED SIGNS SHALL BE POST MOUNTED ON WOOD SIGN SUPPORTS, UNLESS NOTED OTHERWISE.

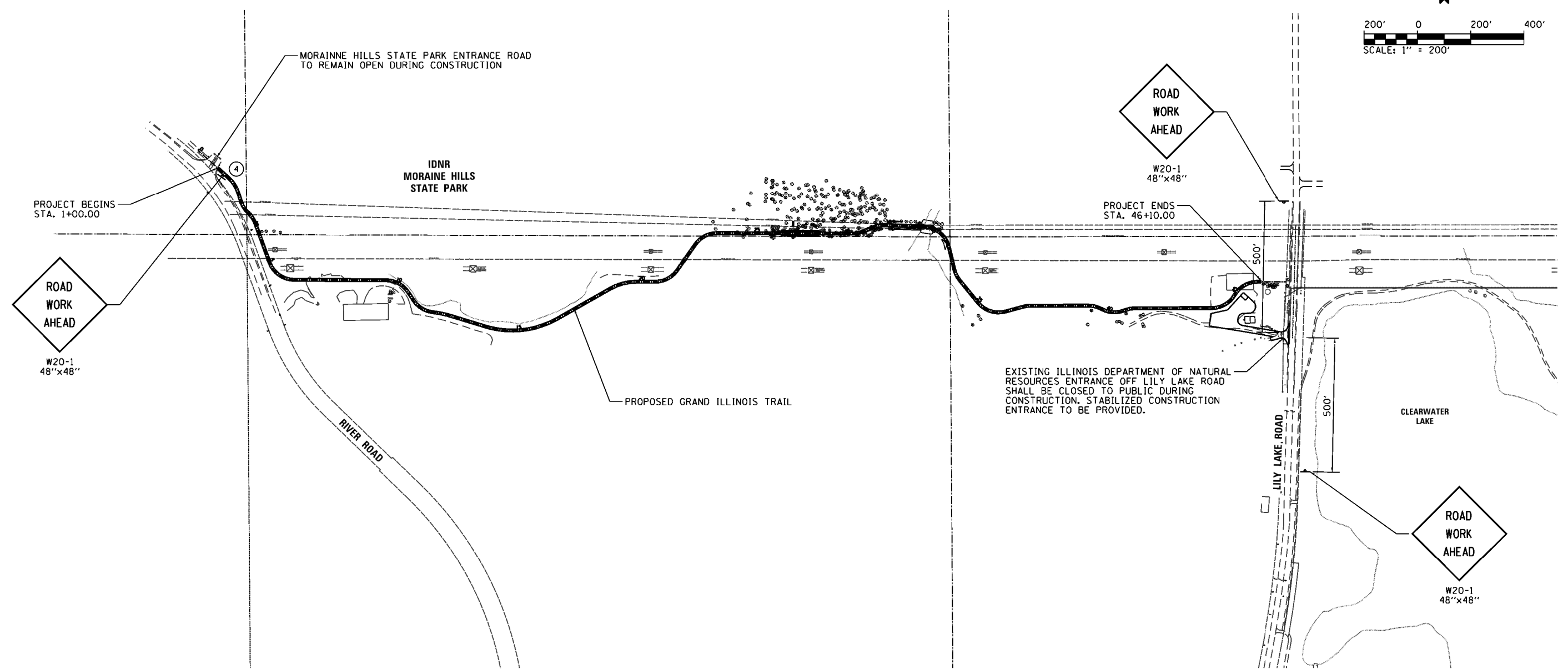
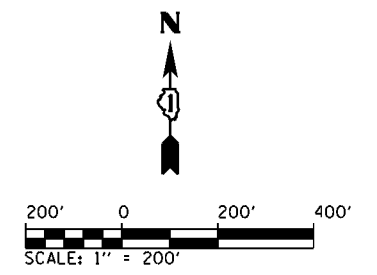
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	PK 04.dgn	DRAWN - RAH	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLANS
GRAND ILLINOIS TRAIL**

SCALE: 1" = 20' SHEET 4 OF SHEETS STA. 36+50 TO STA. 46+15

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINNE HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	34
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				



NOTES:

1. CONTRACTOR SHALL INSTALL "TRUCKS ENTERING AND LEAVING HIGHWAY" BLACK ON ORANGE WARNING SIGNS UNTIL SUCH TIME AS THE TEMPORARY CONSTRUCTION ENTRANCE IS REMOVED. SIGNS SHALL BE INSTALLED 500' IN ADVANCE OF ENTRANCES IN BOTH DIRECTIONS ALONG RIVER ROAD AND LILY LAKE ROAD.
2. ALL TRAFFIC CONTROL SIGNS SHALL BE POST MOUNTED, USING WOODEN POSTS IN ACCORDANCE WITH ARTICLES 701.02 AND 701.14 OF THE STANDARD SPECIFICATIONS.

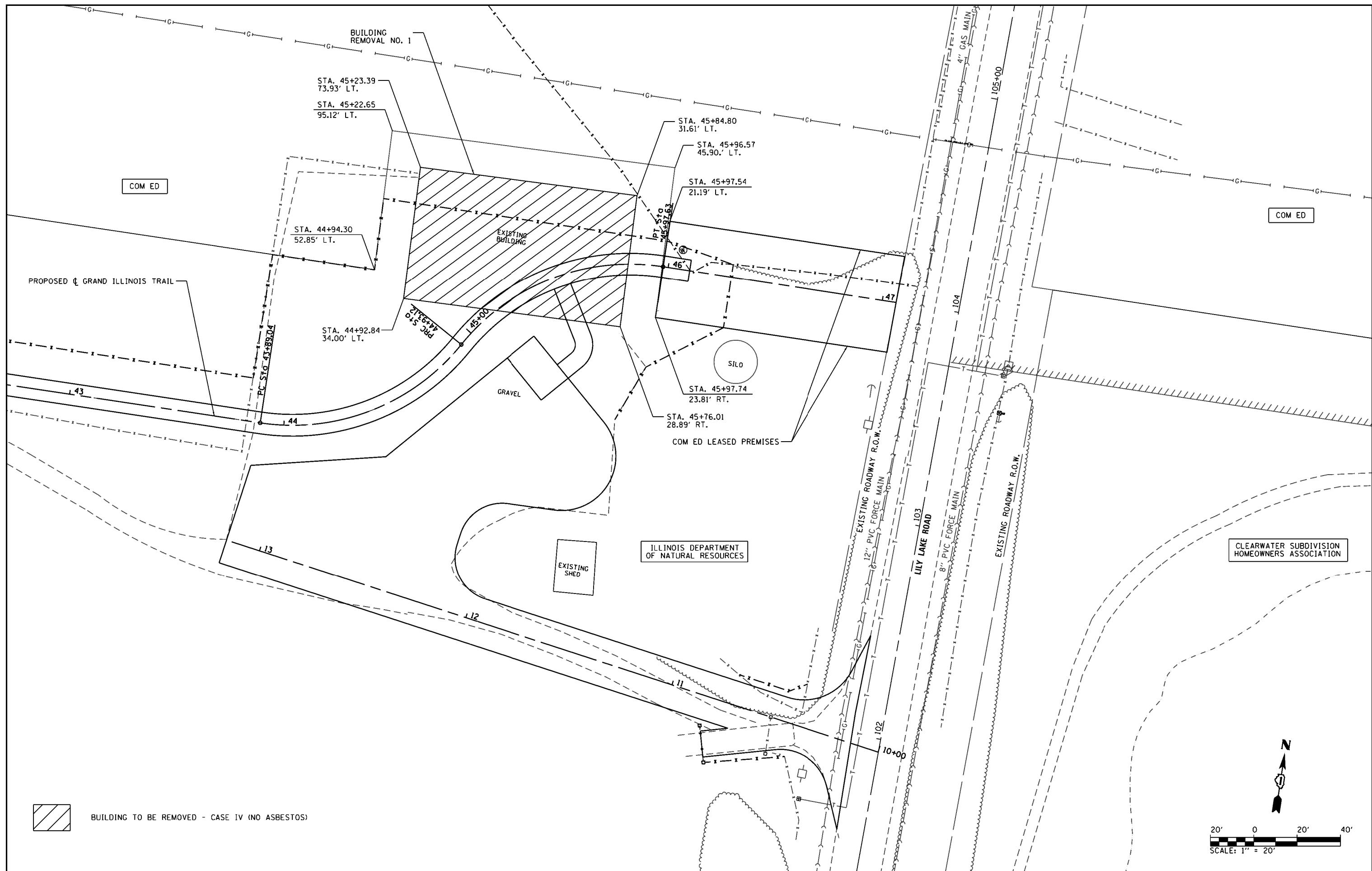
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Default	PLOT SCALE = 400.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

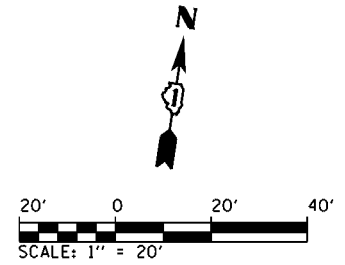
**MAINTENANCE OF TRAFFIC
GRAND ILLINOIS TRAIL**

SCALE: 1"=200' SHEET OF SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINNE HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	35
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				



 BUILDING TO BE REMOVED - CASE IV (NO ASBESTOS)

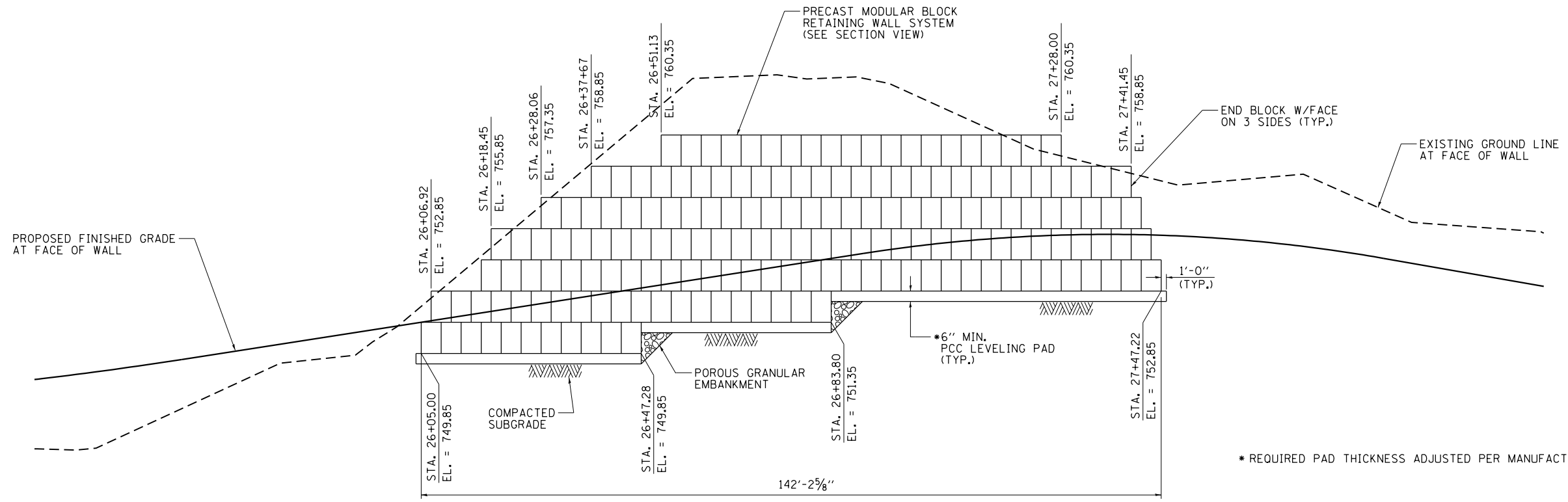


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	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUILDING REMOVAL PLAN			
GRAND ILLINOIS TRAIL BIKE PATH			
SCALE: 1"=20'	SHEET	OF	SHEETS
	STA. 42+50	TO	STA. 48+50

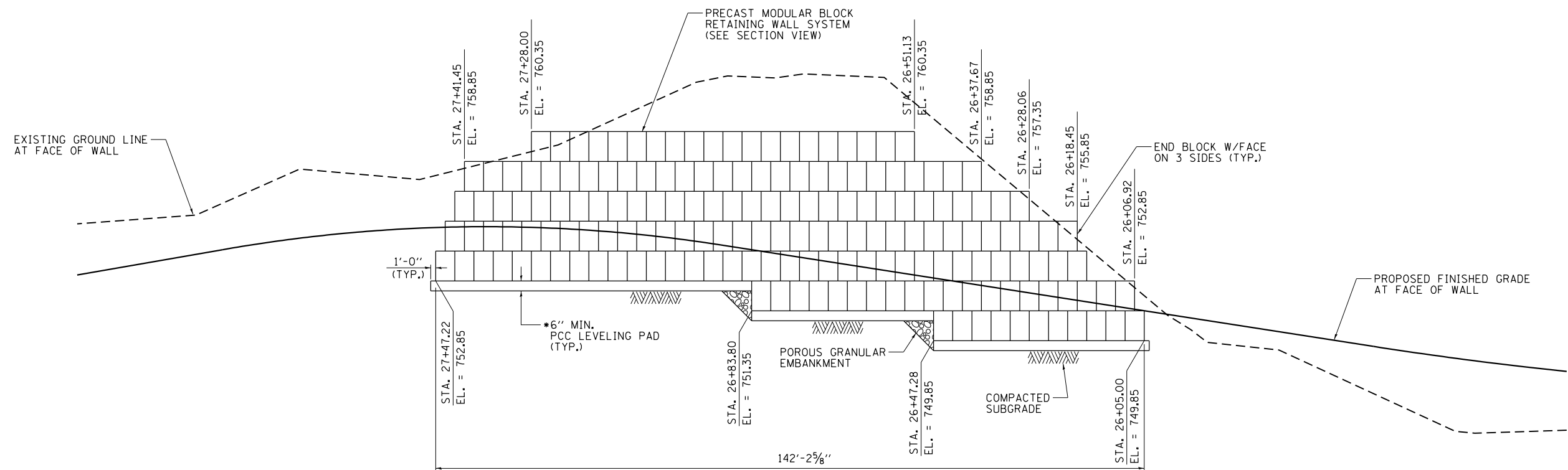
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	36
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				



PRECAST MODULAR BLOCK RETAINING WALL No. 1 ELEVATION

(FRONT FACE OF WALL, LOOKING NORTH)
(N.T.S.)

* REQUIRED PAD THICKNESS ADJUSTED PER MANUFACTURER'S SPECIFICATIONS

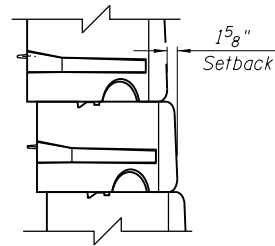


PRECAST MODULAR BLOCK RETAINING WALL No. 2 ELEVATION

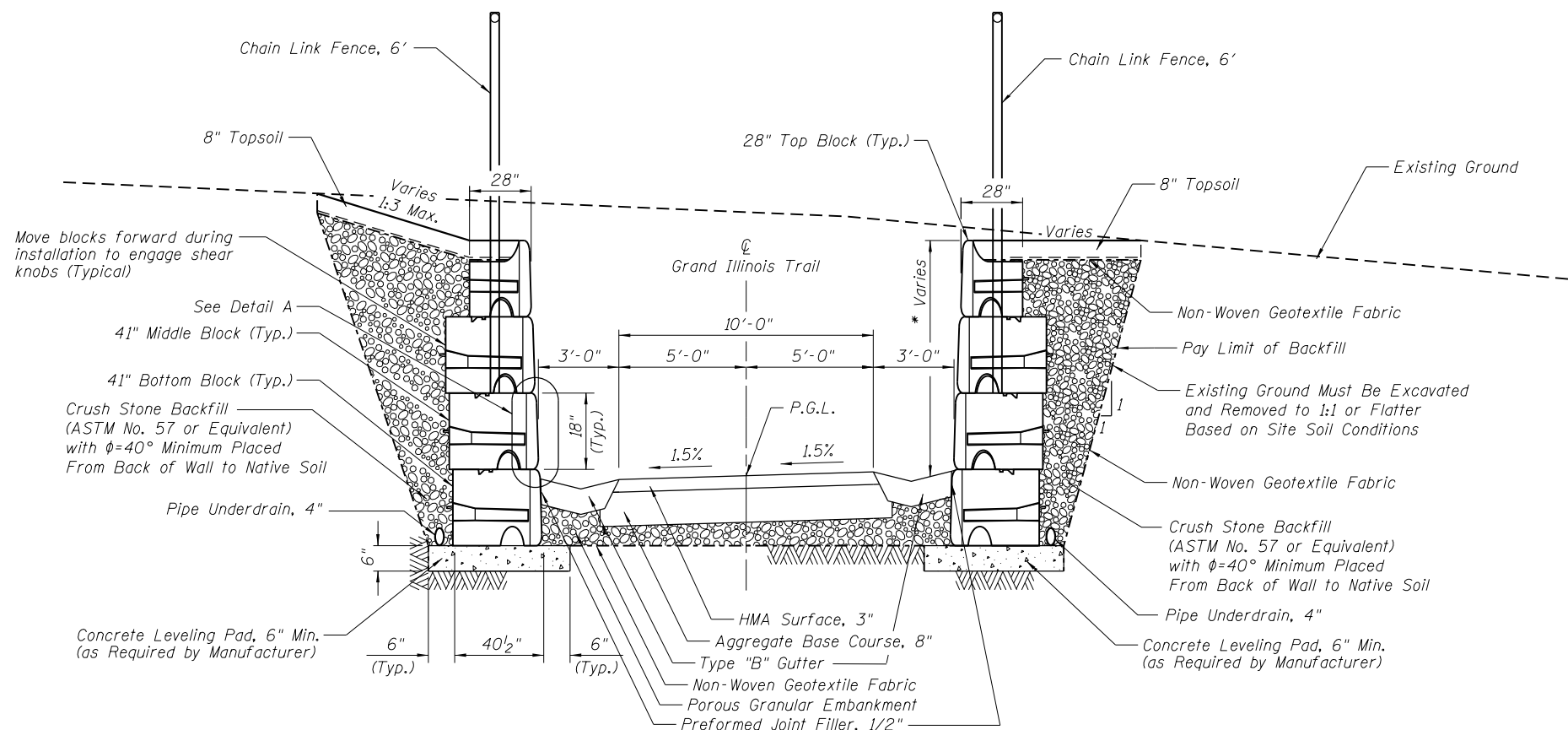
(FRONT FACE OF WALL, LOOKING SOUTH)
(N.T.S.)

* REQUIRED PAD THICKNESS ADJUSTED PER MANUFACTURER'S SPECIFICATIONS

FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST MODULAR RETAINING WALL 1 AND 2 ELEVATION GRAND ILLINOIS TRAIL				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\IDOT\1206601\Draw\CADD_Sheets\01-sh1	BlockRetainingWall 1&2 Elev.dgn	DRAWN - RAH	REVISED -						MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	37	
Default	PLOT SCALE = 24.0000' / in.	CHECKED - KLT	REVISED -		CONTRACT NO. 46343				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

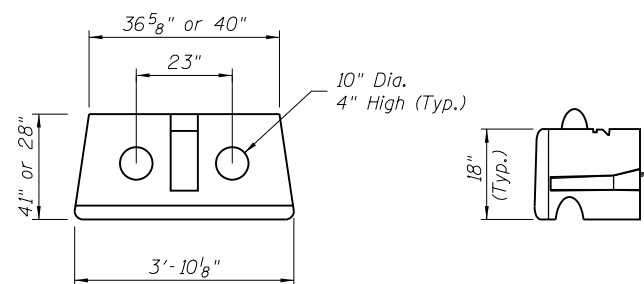


DETAIL A
(N.T.S.)



**PRECAST MODULAR BLOCK
RETAINING WALL SECTION**
(N.T.S.)

* See Elevation Views for
Retaining Wall Heights and Limits



BLOCK DETAIL
(N.T.S.)

NOTES:

1. The wall shall be designed as a free standing gravity block wall. It is assumed that the wall can be designed without the use of soil reinforcing. If the analysis by the Contractor's designer show this not to be possible, the Engineer shall be notified for additional coordination.
2. Block finish shall be a simulated stone/rock pattern, as approved by the Engineer.
3. Chain link fence shall be installed upon completion of the retaining wall.
4. Actual dimensions and measurements may vary depending on block manufacturer, but the block shall meet these minimum requirements for a standard block.
5. Adjustment of wall heights or lengths, to meet the necessary retention areas, based on manufacturer's standard block sizes shall not be cause for additional compensation.

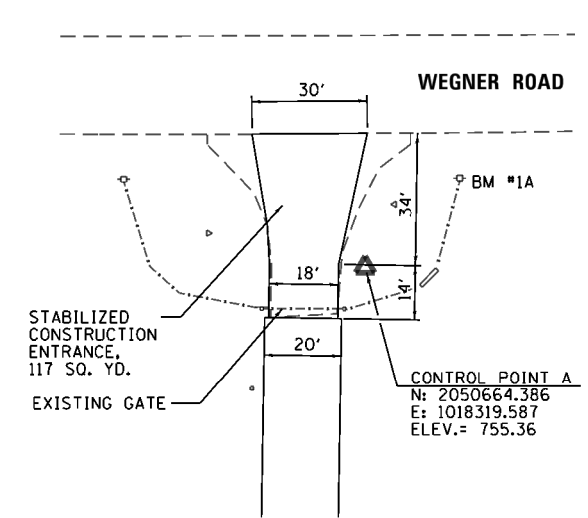
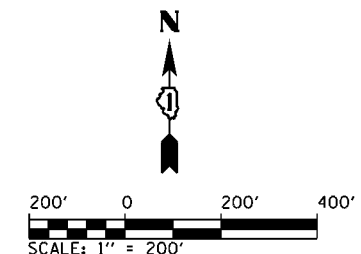
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L:\IDOT\1206601\Draw\CADD_Sheets\01-sh-Details.dgn		DRAWN - RAH	REVISED -
West Wall Detail	PLOT SCALE = 14.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 8/29/2014	DATE - 8/22/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRECAST MODULAR RETAINING WALL DETAIL
GRAND ILLINOIS TRAIL**

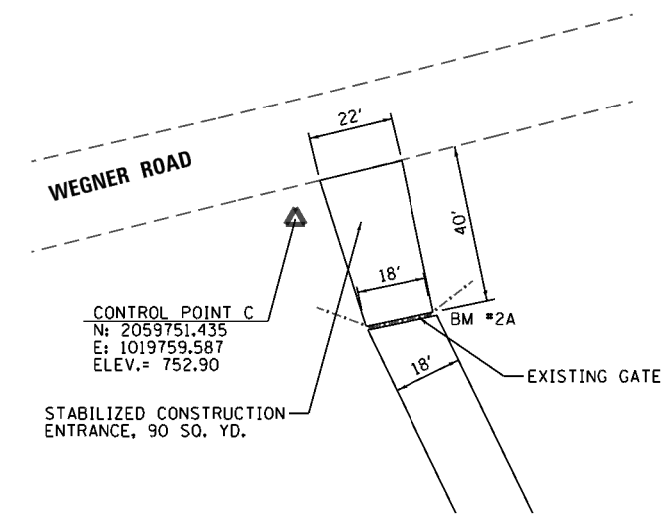
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	38
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				



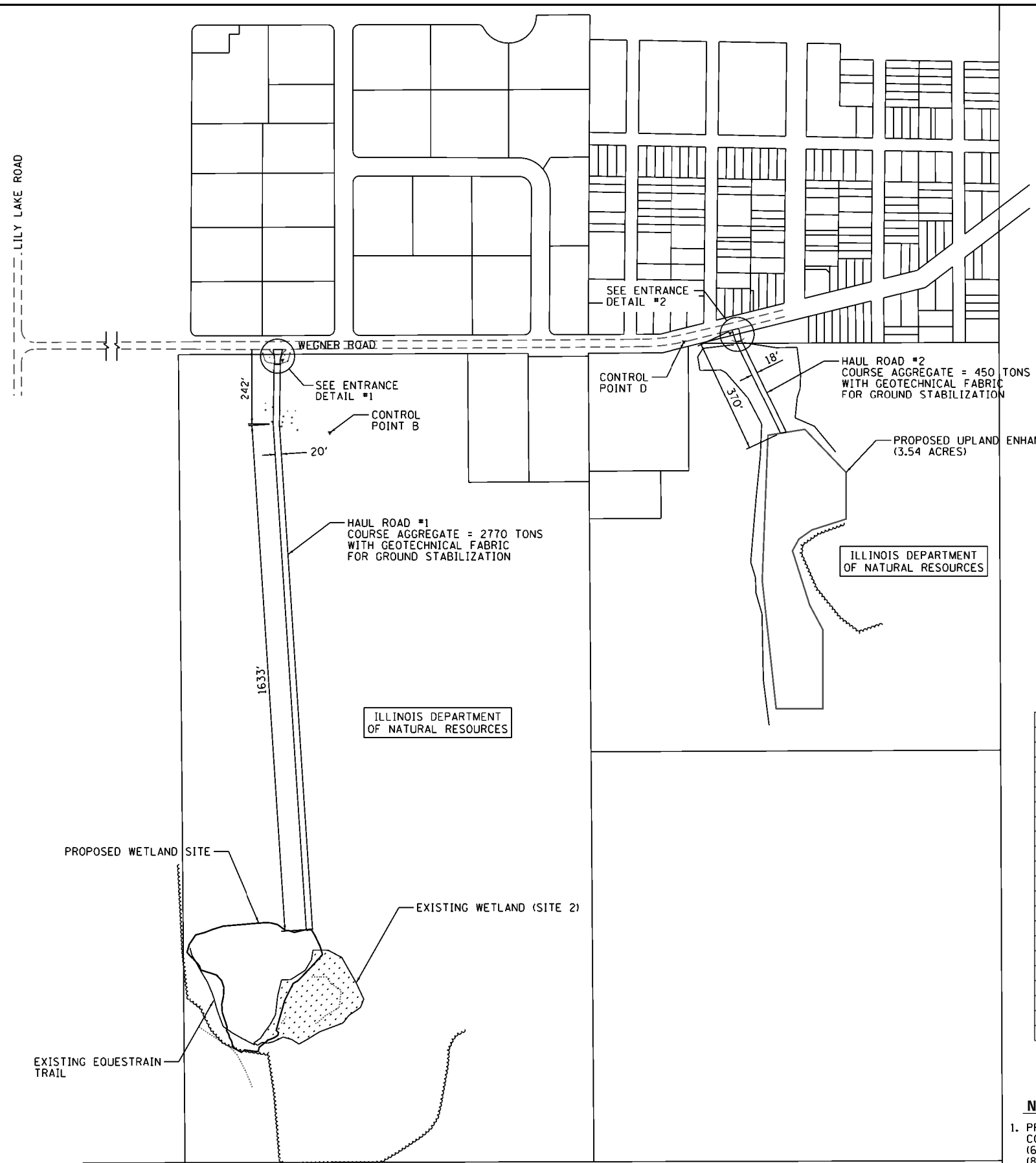
ENTRANCE DETAIL #1
N.T.S.

BENCHMARK #1A:
60 D NAIL IN SOUTHWEST FACE OF POWER POLE,
EAST SIDE OF ENTRANCE TO BLACK CROWN MARSH
EQUESTRIAN AREA
ELEVATION ±757.00



ENTRANCE DETAIL #2
N.T.S.

BENCHMARK #2A:
60 D NAIL IN WEST FACE OF CORNER FENCE POST,
NORTHEAST SIDE OF ENTRANCE #2 (UPLAND
ENHANCEMENT AREA)
ELEVATION ±753.36



BILL OF MATERIALS - WETLAND MITIGATION

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	5,670
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	271
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4,718
TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3,829
TOPSOIL FURNISH AND PLACE, 3"	SQ YD	3,246
TEMPORARY EROSION CONTROL SEEDING	POUND	900
TEMPORARY DITCH CHECKS	FOOT	16
PERIMETER EROSION BARRIER	FOOT	3,082
INLET AND PIPE PROTECTION	EACH	1
STONE RIPRAP, CLASS A3	SO YD	8
FILTER FABRIC	SO YD	8
METAL END SECTIONS 24"	EACH	2
PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	24
COARSE AGGREGATE	TON	3,220
EROSION CONTROL BLANKET (SPECIAL)	SO YD	11,535
STABILIZED CONSTRUCTION ENTRANCE	SO YD	207
TEMPORARY CONSTRUCTION FENCE	FOOT	4,500
SEED MIXTURE ZONE A	ACRE	0.50
SEED MIXTURE ZONE B	ACRE	1.25
SEED MIXTURE ZONE C	ACRE	1.25
SEED MIXTURE ZONE D	ACRE	6.25

- NOTES:**
- PRIOR TO STARTING WORK IN MITIGATION SITE, CONTRACTOR SHALL COORDINATE WITH BRAD SEMEL, NATURAL HERITAGE BIOLOGIST (630-399-3242) AND GREG KELLY, IDNR SITE SUPERINTENDENT (815-385-1624).
 - CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE OF HAUL ROADS, PROPOSED WETLAND MITIGATION SITE AND UPLAND ENHANCEMENT AREA. ACCESS TO EXISTING WETLAND SITE IS LIMITED TO REMOVAL OF UNSUITABLE MATERIAL AND PROPOSED PLANTING AS SHOWN ON WETLAND PLANTING PLAN.

FILE NAME = L:\1007\120660\Draw\CA00_Sheets\DI-sh1-Mitigation Area Site Plan.dgn	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
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	PLOT DATE = 10/16/2014	DATE - 10/24/2014	REVISED -







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

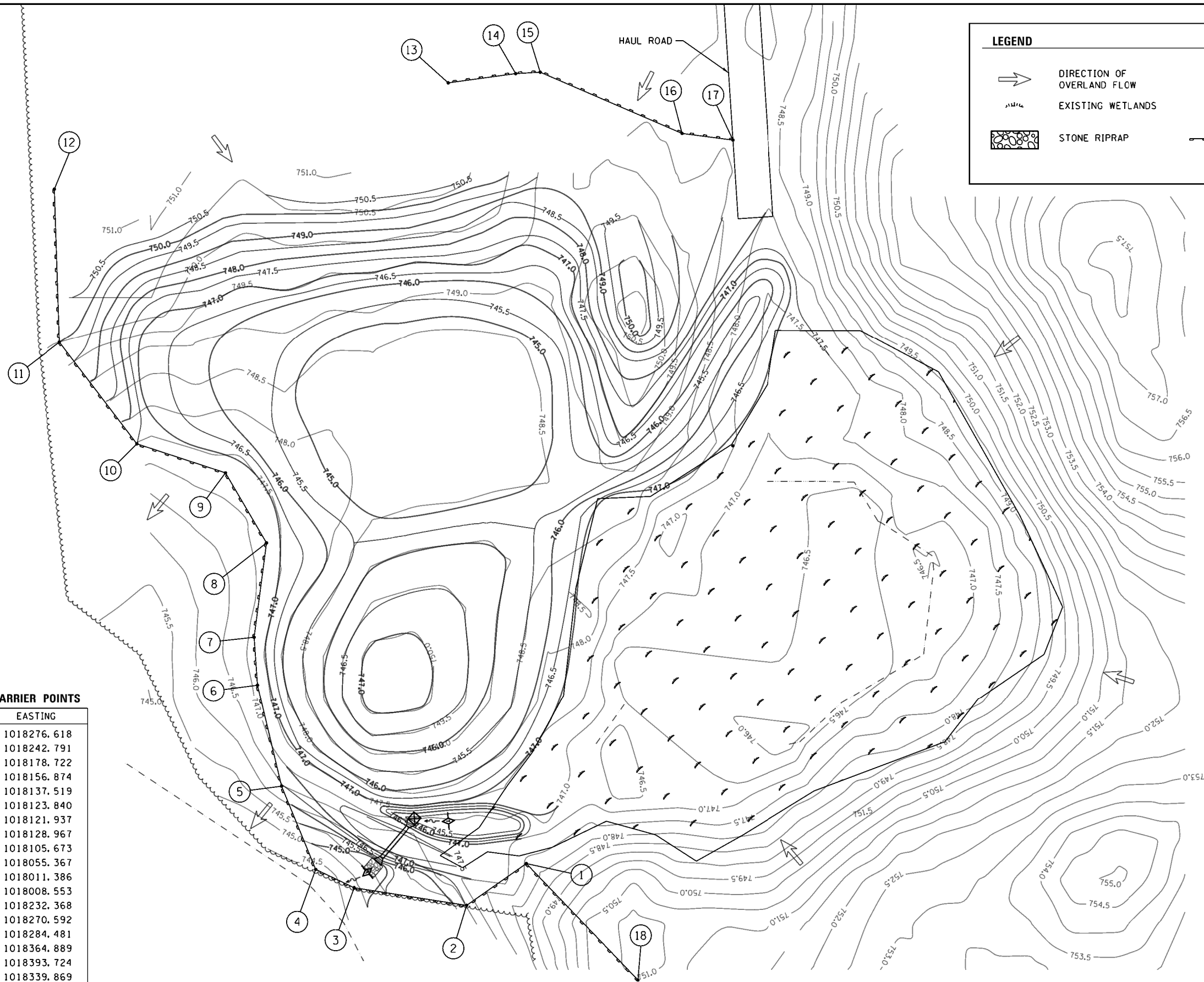
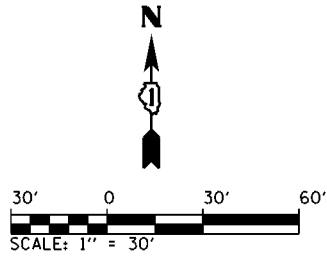
**BLACK CROWN MARSH - WETLAND MITIGATION ACCESS & SITE PLAN
GRAND ILLINOIS TRAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	39
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

LEGEND

	DIRECTION OF OVERLAND FLOW		TEMPORARY DITCH CHECK
	EXISTING WETLANDS		INLET & PIPE PROTECTION
	STONE RIPRAP		PERIMETER EROSION BARRIER (SILT FENCE)



PERIMETER EROSION BARRIER POINTS

No.	NORTHING	EASTING
1	2057461.162	1018276.618
2	2057437.461	1018242.791
3	2057447.453	1018178.722
4	2057457.844	1018156.874
5	2057505.027	1018137.519
6	2057562.537	1018123.840
7	2057589.782	1018121.937
8	2057643.360	1018128.967
9	2057683.118	1018105.673
10	2057699.612	1018055.367
11	2057757.377	1018011.386
12	2057844.467	1018008.553
13	2057904.809	1018232.368
14	2057910.075	1018270.592
15	2057910.878	1018284.481
16	2057876.104	1018364.889
17	2057872.320	1018393.724
18	2057395.167	1018339.869

NOTES:
 1. TEMPORARY SEEDING AND EROSION CONTROL BLANKET, SPECIAL, SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
L:\1007\120660\Draw\CADD_Sheets\DI-sh\Wetland Erosion Control Plan.dgn		DRAWN - RAH	REVISED -
Default	PLOT SCALE = 60.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 10/24/2014	DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

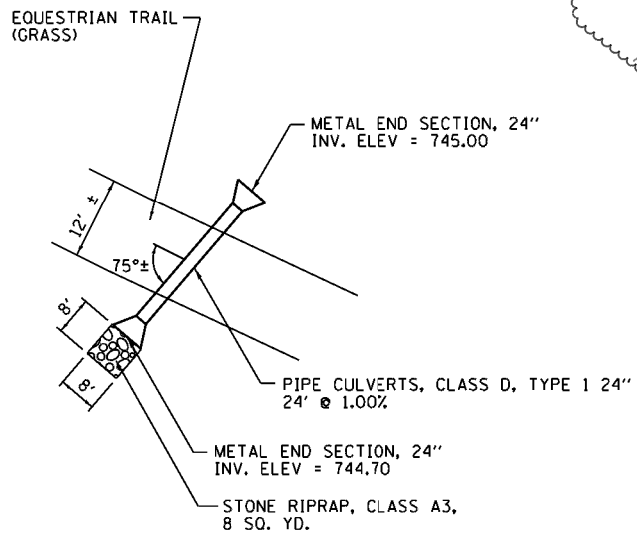
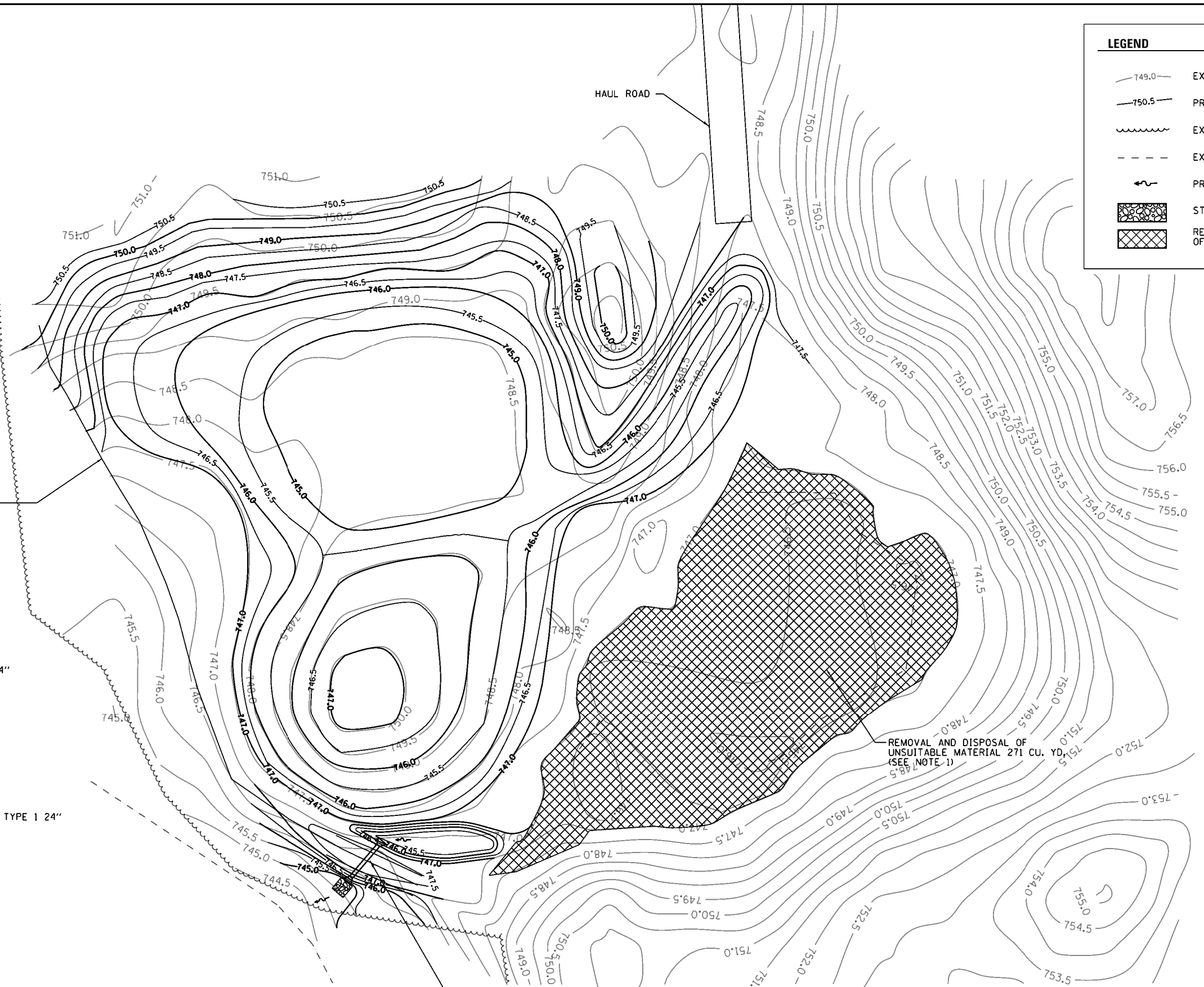
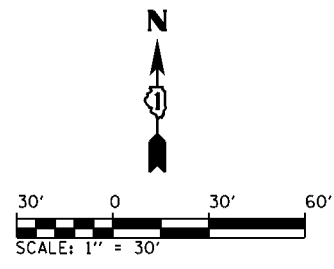
**BLACK CROWN MARSH - EROSION CONTROL PLAN
 GRAND ILLINOIS TRAIL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	40
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

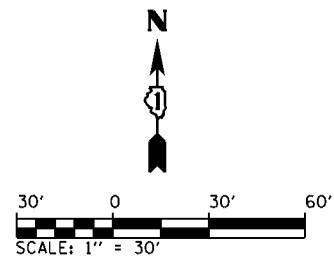
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TREE LINE
- EXISTING WATER LINE
- PROPOSED FLOW ARROW
- STONE RIPRAP
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL



CULVERT DETAIL
N.T.S.

NOTES:
1. SILT LAYER AT EXISTING WETLAND SITE IS ESTIMATED TO BE A MIN. OF 3", FINAL DEPTH OF REMOVAL AND EXCAVATION LIMITS SHALL BE DETERMINED BY THE ENGINEER AND IDNR.

FILE NAME = L:\1007\1206601\Draw\CA00_Sheets\DI-sh... Default	USER NAME = Kristin Timmons Wetland Grading Plan.dgn	DESIGNED - MJO DRAWN - RAH	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BLACK CROWN MARSH - WETLAND GRADING PLAN GRAND ILLINOIS TRAIL BIKE PATH		F.A. RTE.	SECTION MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	COUNTY MCHENRY	TOTAL SHEETS 75	SHEET NO. 41
	PLOT SCALE = 60.0000' / in. PLOT DATE = 10/16/2014	CHECKED - KLT DATE - 10/24/2014		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 46343		ILLINOIS FED. AID PROJECT				



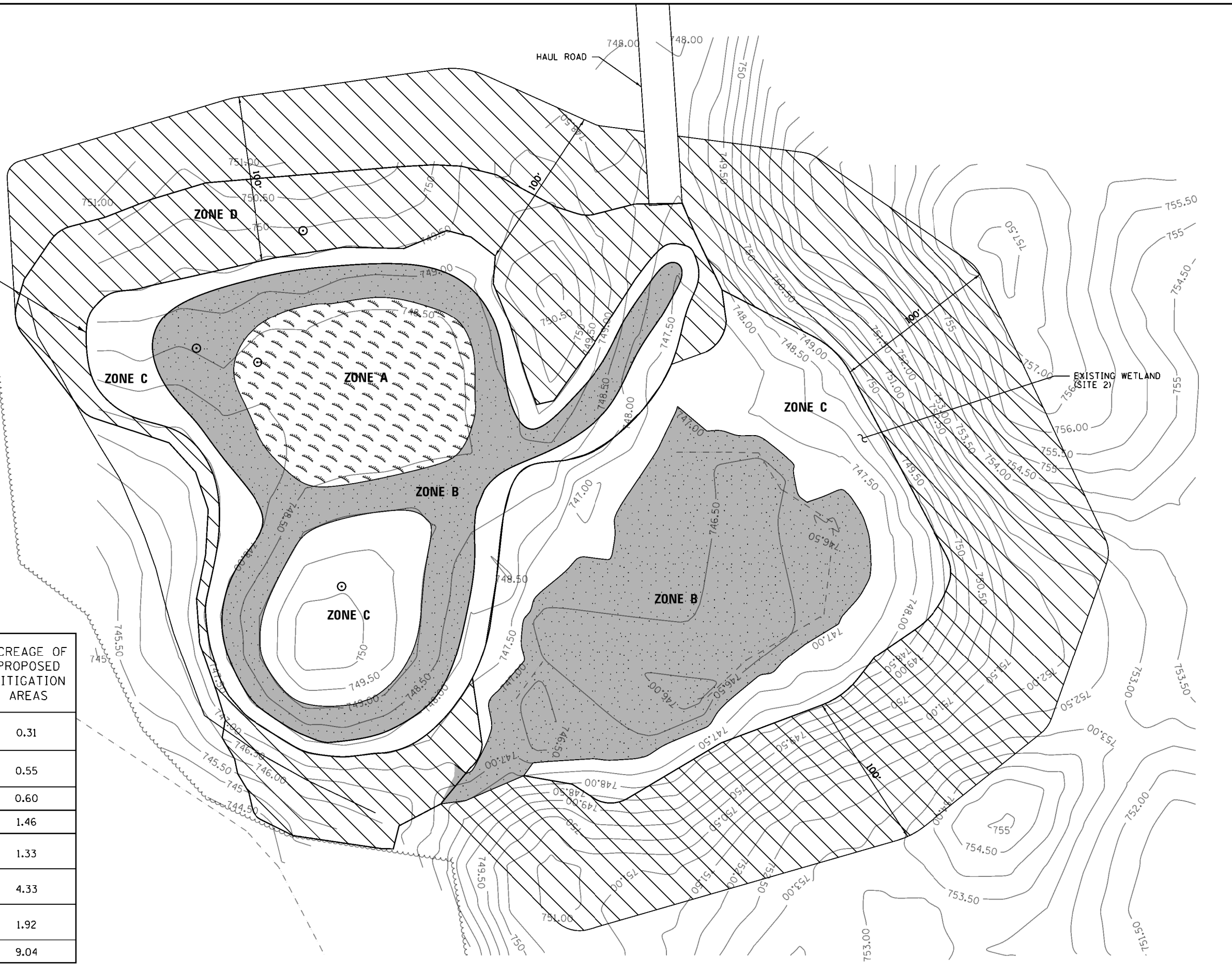
PROPOSED WETLAND
(ZONES A, B & C)

LEGEND

- SEED MIXTURE ZONE A
- SEED MIXTURE ZONE B
- SEED MIXTURE ZONE C
- SEED MIXTURE ZONE D
- PROPOSED MONITORING WELL

- NOTES:**
1. A 100' UPLAND BUFFER SHALL BE PROVIDED OUTSIDE OF ZONE C IN THE AREAS SHOWN.
 2. FINAL LIMITS OF SEED MIX INSTALLATION SHALL BE COORDINATED WITH THE ENGINEER.

HABITAT / WETLAND TYPE	ZONE	ACREAGE OF PROPOSED MITIGATION AREAS
SHALLOW, OPEN-WATER WETLAND / EMERGENT WETLAND	A	0.31
SEDGE MEADOW / WET MEADOW	B	0.55
RIPARIAN FRINGE WETLAND	C	0.60
SUBTOTAL		1.46
EXISTING WETLAND SITE 2 RESTORATION	B & C	1.33
WETLAND BUFFER / UPLAND ENHANCEMENT AREA	D	4.33
ADDITIONAL UPLAND BUFFER AREA	D	1.92
TOTAL		9.04



FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
L:\1007\120660\Draw\CA00_Sheets\DI-shr\Wetland Planting Plan.dgn		DRAWN - RAH	REVISED -
Default		CHECKED - KLT	REVISED -
		DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BLACK CROWN MARSH - WETLAND PLANTING PLAN
GRAND ILLINOIS TRAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

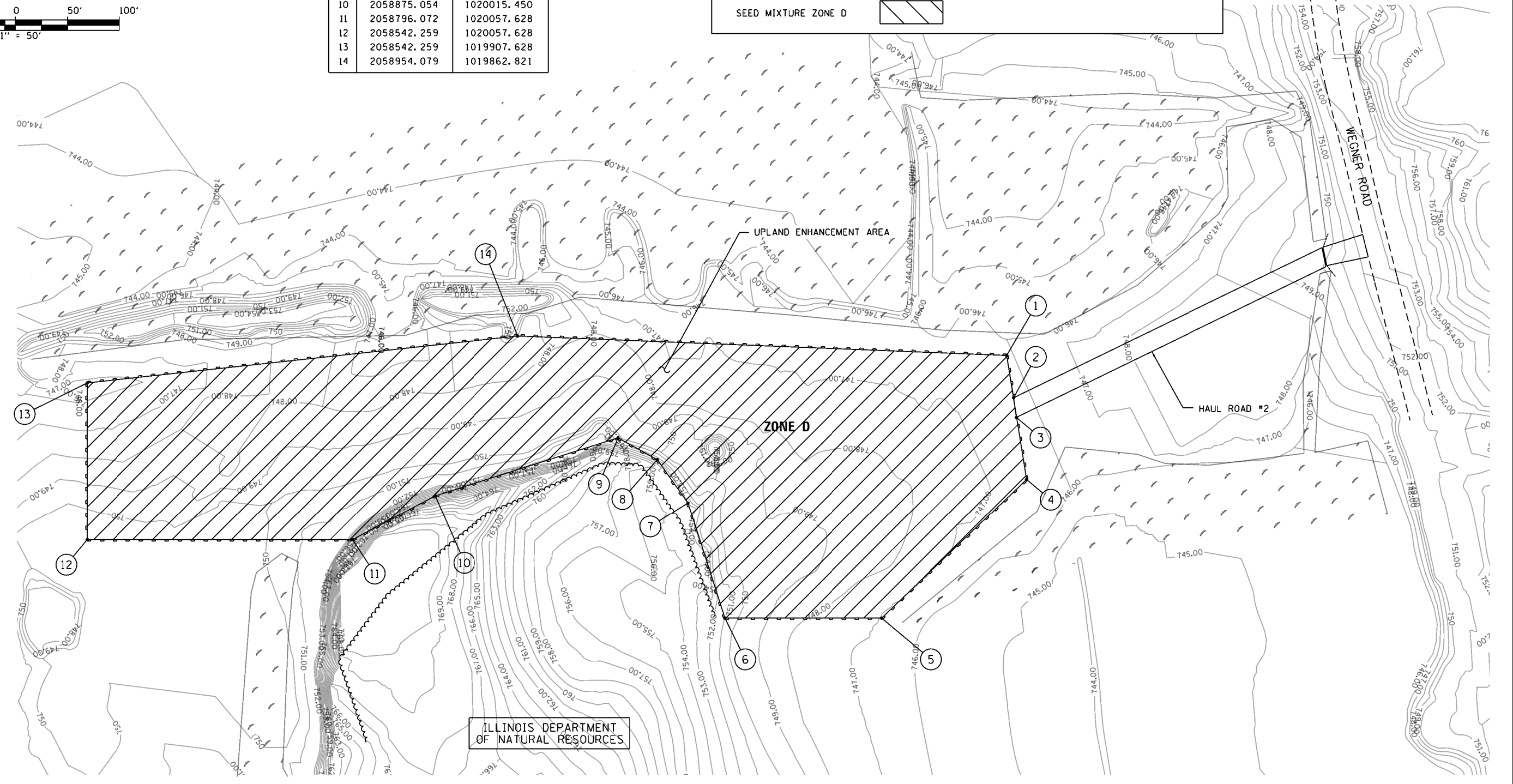
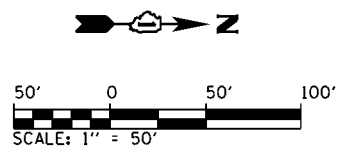
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	42
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				

PERIMETER EROSION BARRIER POINTS

No.	NORTHING	EASTING
1	2059421.010	1019881.356
2	2059427.668	1019921.745
3	2059430.238	1019940.510
4	2059440.051	1019999.836
5	2059301.684	1020132.485
6	2059151.684	1020132.485
7	2059116.491	1020022.318
8	2059087.187	1019980.862
9	2059049.784	1019960.051
10	2058875.054	1020015.450
11	2058796.072	1020057.628
12	2058542.259	1020057.628
13	2058542.259	1019907.628
14	2058954.079	1019862.821

LEGEND

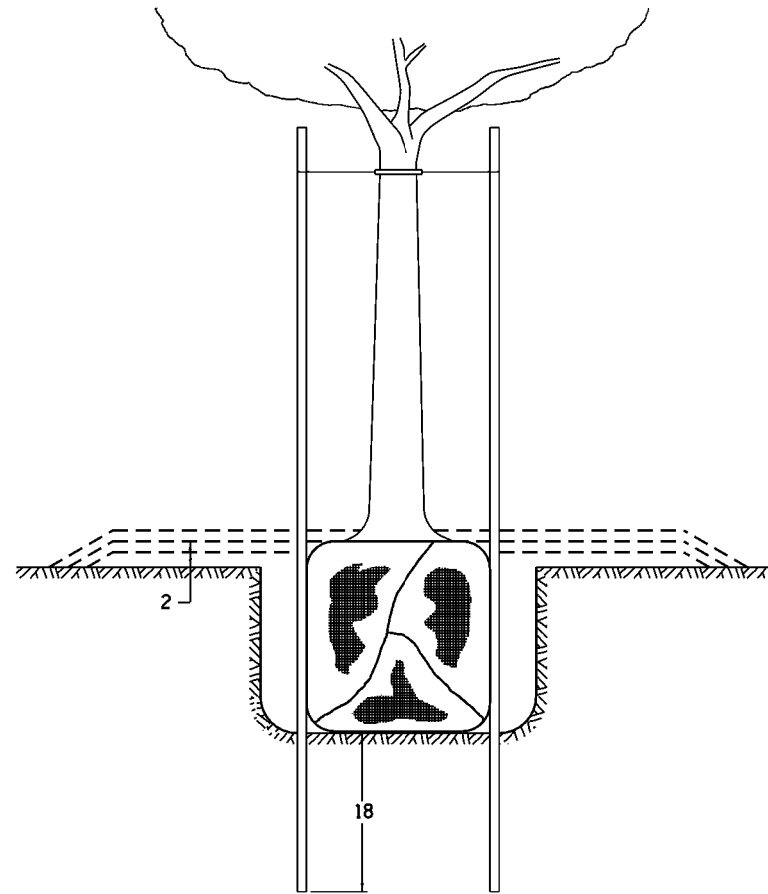
SEED MIXTURE ZONE A		PERIMETER EROSION BARRIER (SILT FENCE)	
SEED MIXTURE ZONE B		EXISTING TREE LINE	
SEED MIXTURE ZONE C		EXISTING WETLANDS	
SEED MIXTURE ZONE D			



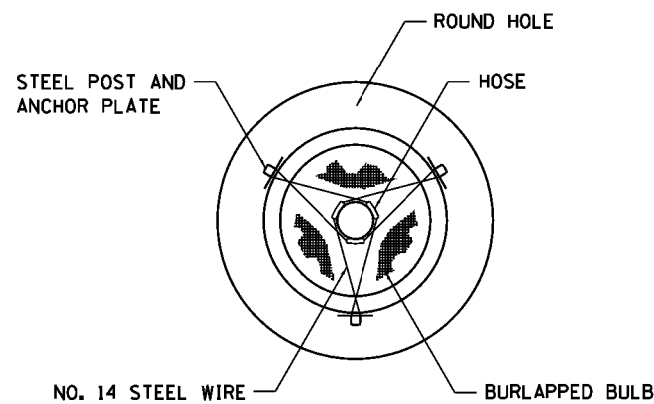
ILLINOIS DEPARTMENT OF NATURAL RESOURCES

FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BLACK CROWN MARSH - UPLAND ENHANCEMENT PLAN GRAND ILLINOIS TRAIL				F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\1007\120660\Draw\CA00_Sheets\DI-sh...Pool SitePlan.dgn		DRAWN - RAH	REVISED -		MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	43					
Default		PLOT SCALE = 100.0000' / in.	REVISED -		CONTRACT NO. 46343								
		CHECKED - KLT	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE - 10/24/2014	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.			

DETAILS OF PLANTING AND BRACING TREES

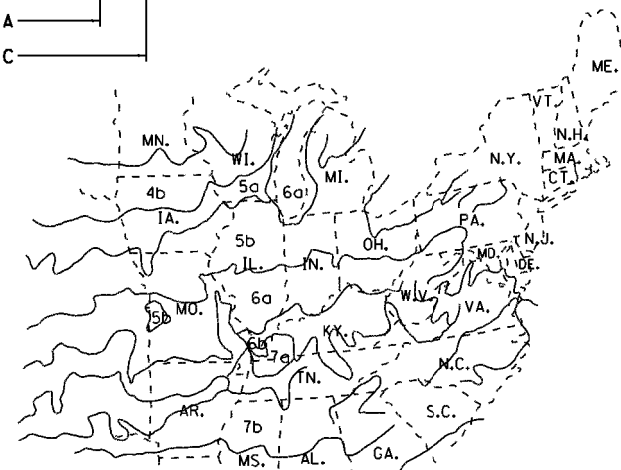
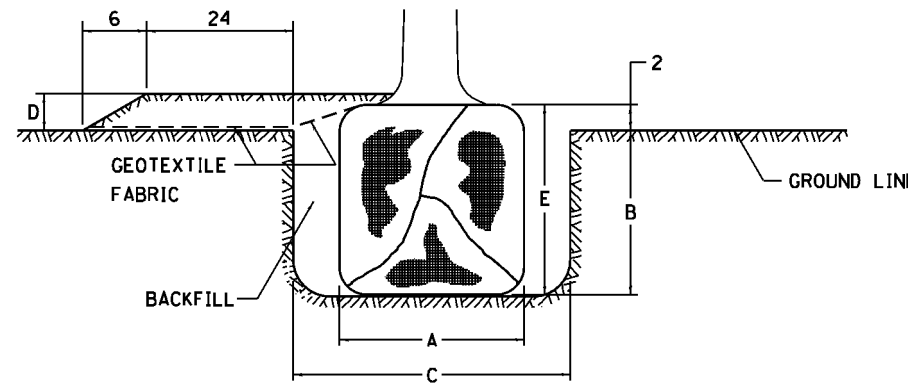


TREES SMALLER THAN 4 1/2 IN DIAMETER

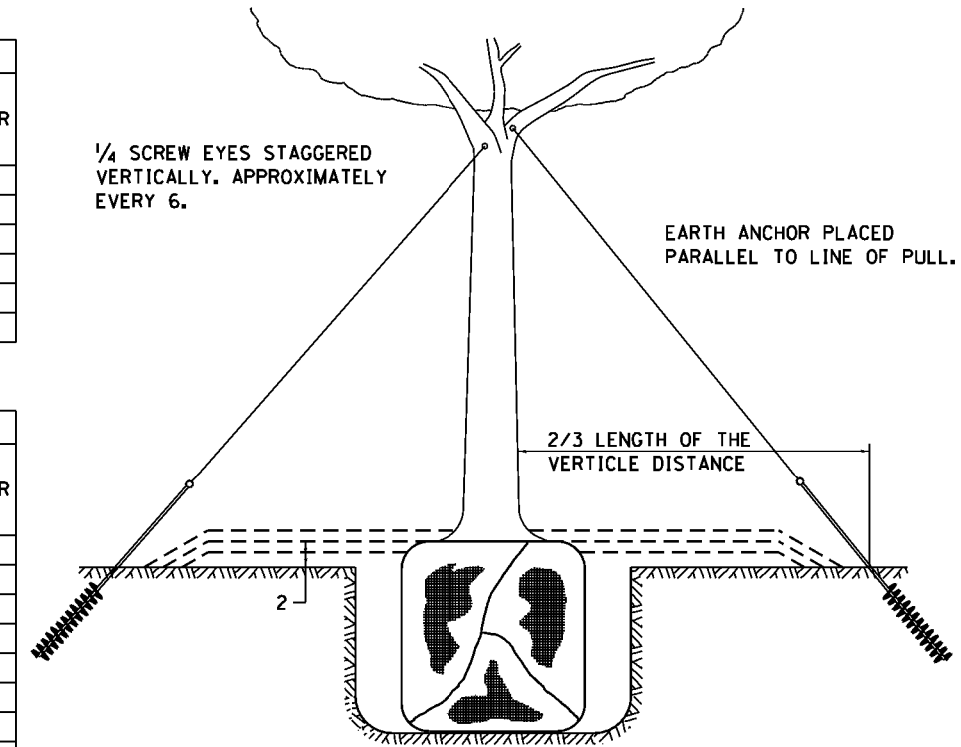


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10'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

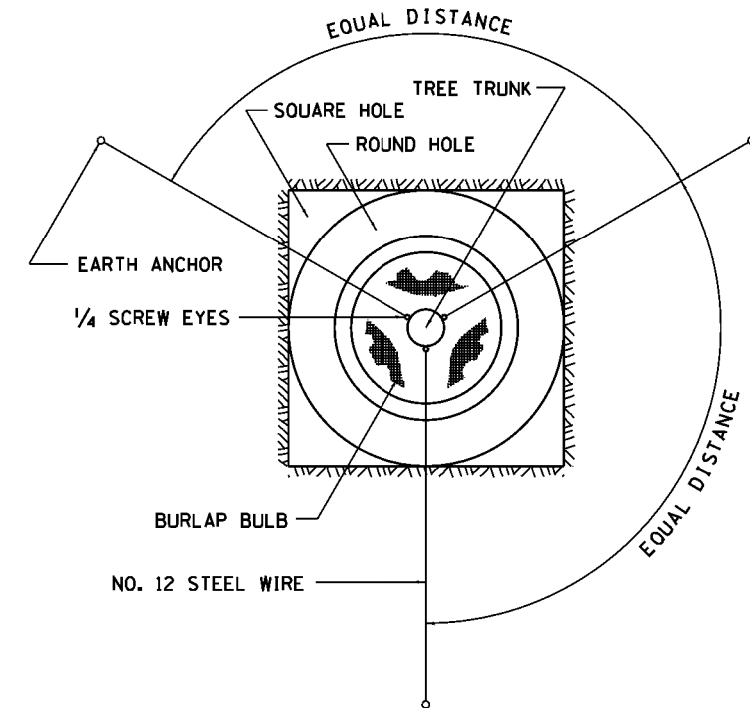
LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96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



PLANT HARDINESS ZONE MAP
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 4 1/2 IN DIAMETER



ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

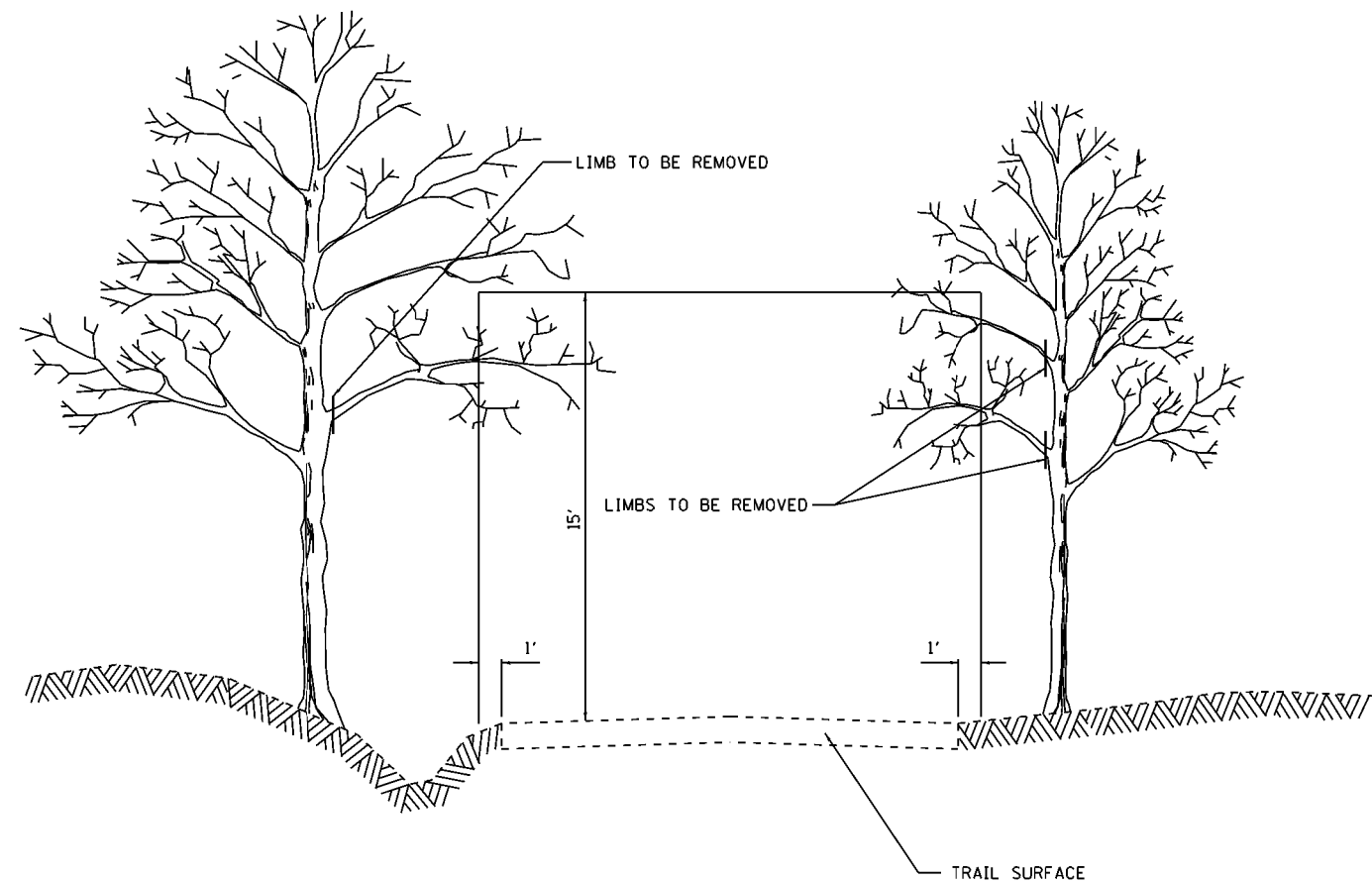
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		DATE - 8/22/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

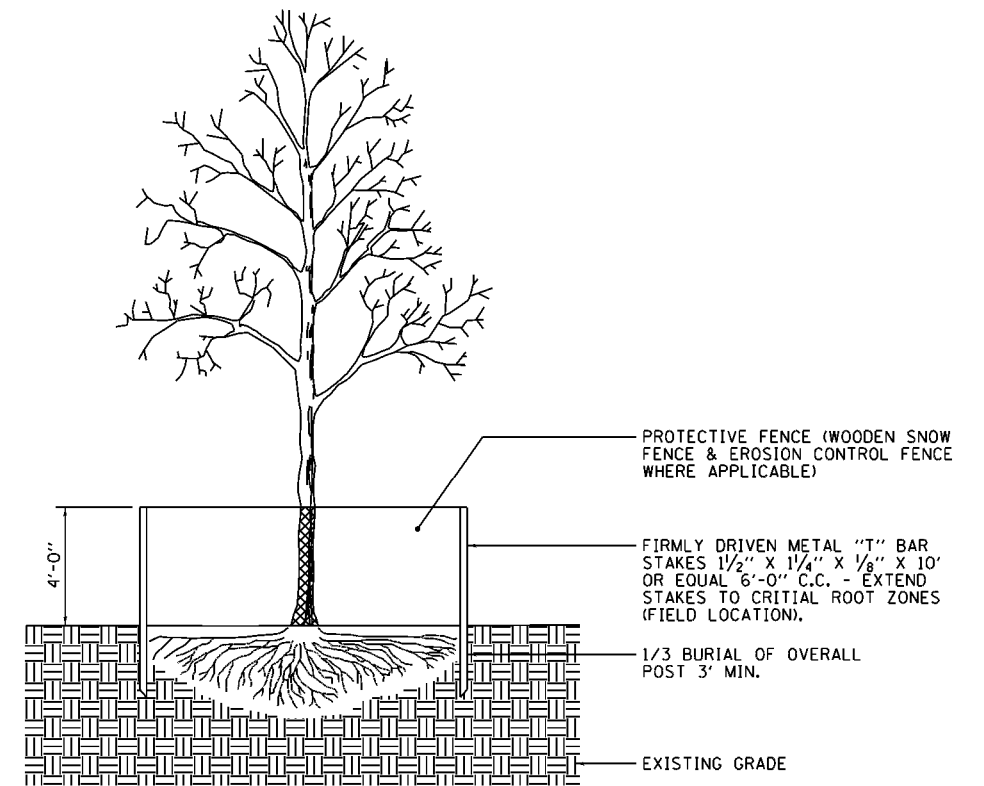
MISCELLANEOUS CONSTRUCTION DETAILS
GRAND ILLINOIS TRAIL

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINES HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	44
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				



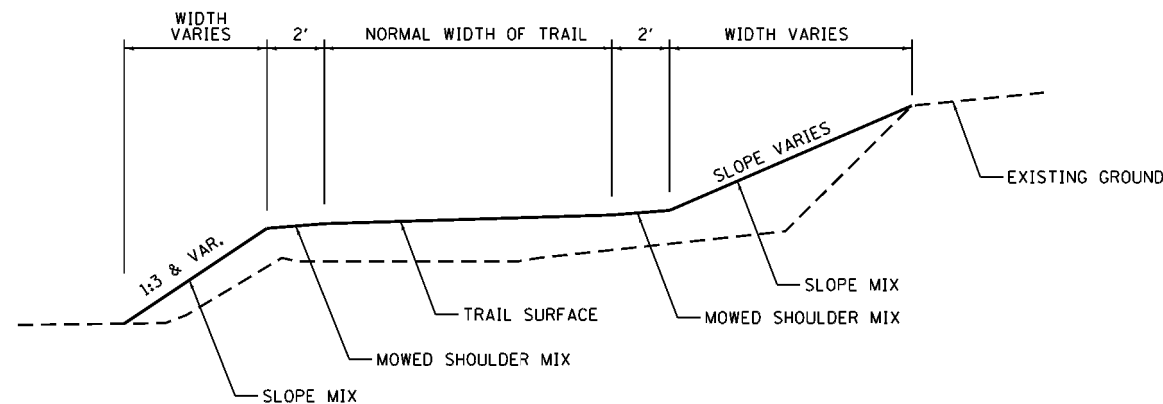
TREE PRUNING



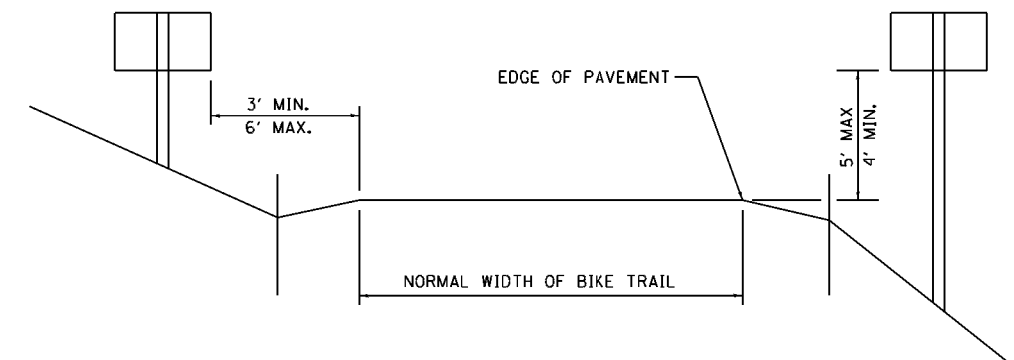
TREE TRUNK PREDATOR PROTECTION

SEEDING CLASS 3 (MODIFIED)

SEEDS	LBS./AC.
SLOPE MIX:	
PERENNIAL RYEGRASS, FORAGE TYPE	40
ALSIKE CLOVER-INNOCULATION REQUIRED	5
LITTLE BLUESTEM	10
SIDE-OATS GRAMA	40
RED TOP	30
ANNUAL OATS OR WINTER WHEAT	30
MOWED SHOULDER MIX:	
PERENNIAL RYEGRASS, FORAGE TYPE	30
ALSIKE CLOVER-INNOCULATION REQUIRED	5
RED TOP	35
ANNUAL OATS OR WINTER WHEAT	30



SEEDING CLASS 3 (MODIFIED)



TYPICAL BICYCLE SIGN PLACEMENT ON A TRAIL

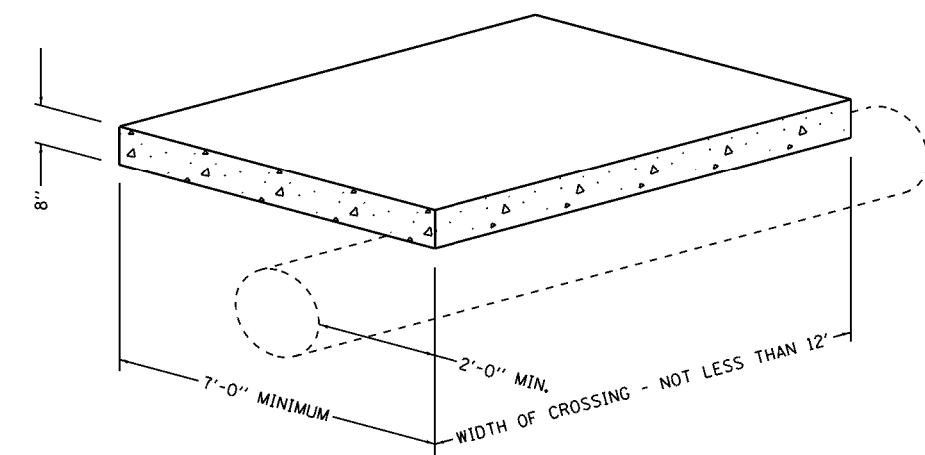
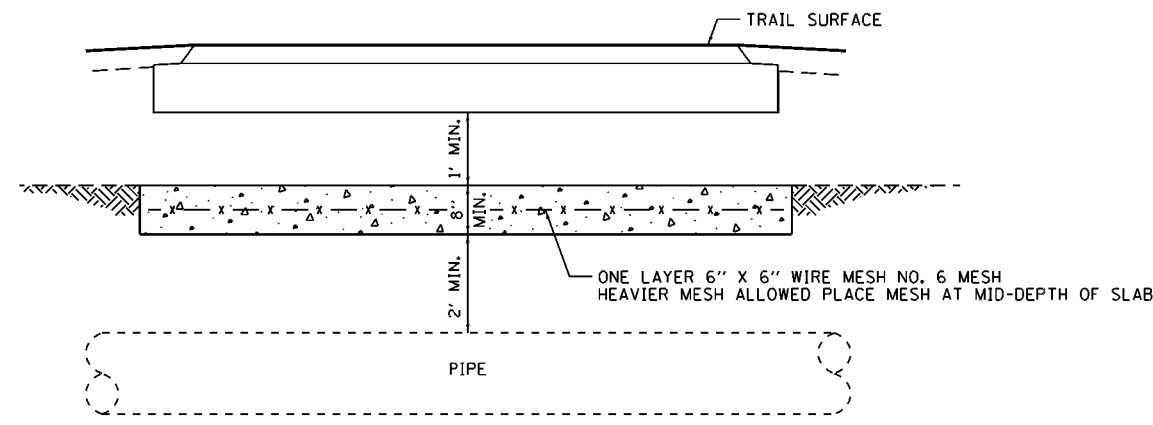
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002	PLOT DATE = 1/29/2015	DATE - 10/24/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS CONSTRUCTION DETAILS
GRAND ILLINOIS TRAIL**

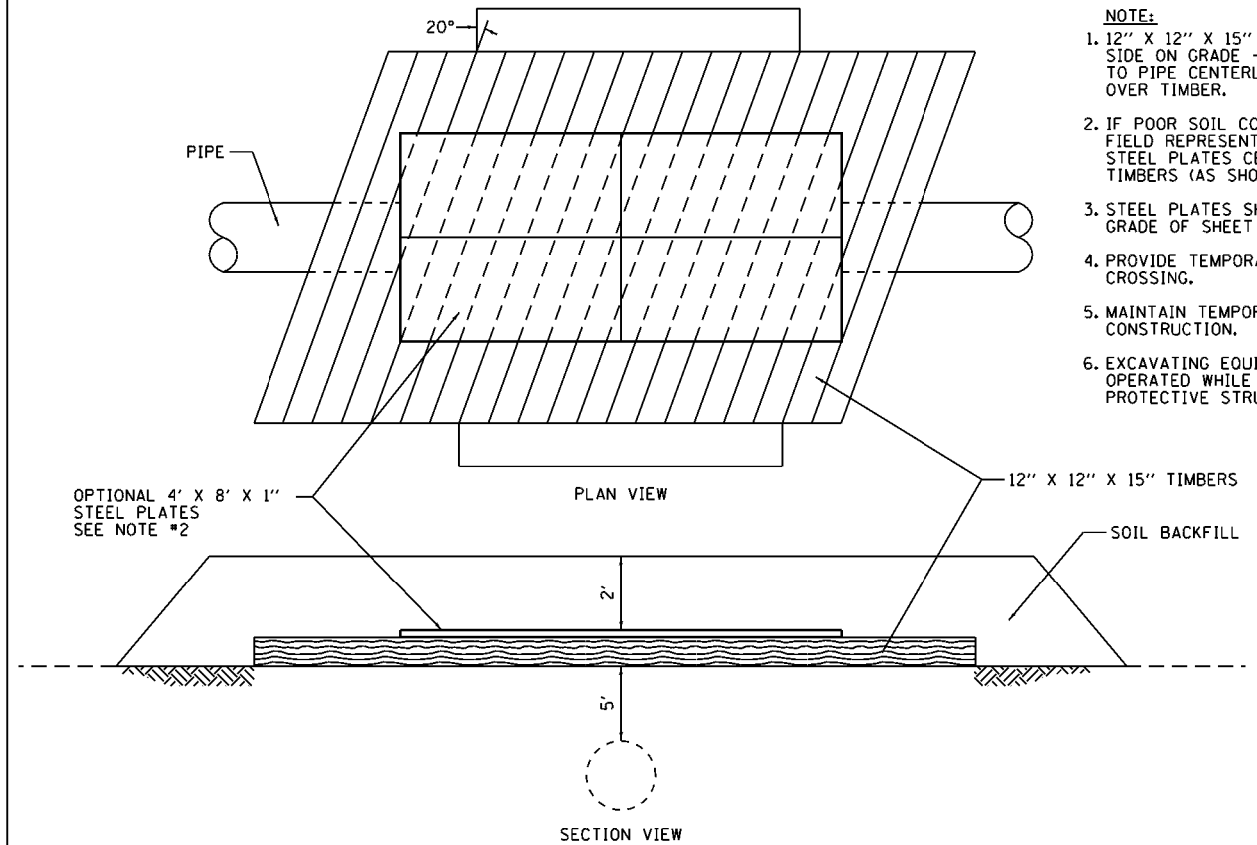
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	45
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				



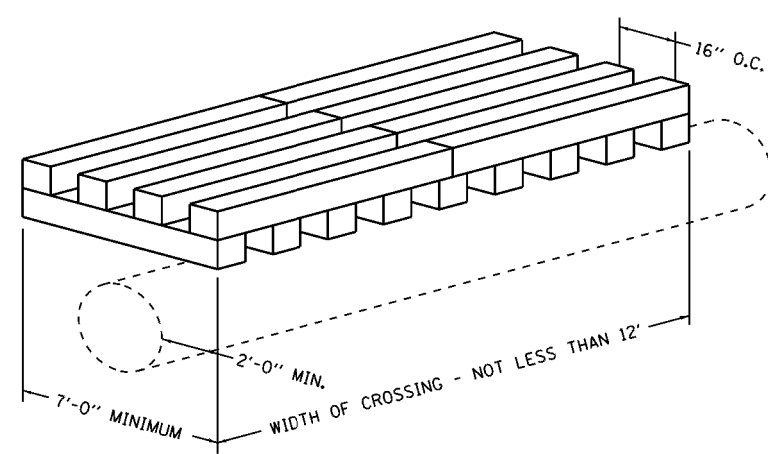
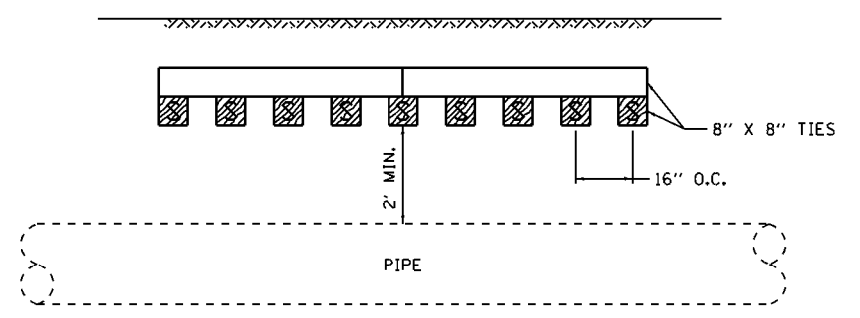
- NOTE:**
1. CONCRETE SLAB TO BE A MINIMUM OF 2 FEET ABOVE PIPE, 7' WIDE, 8" IN DEPTH, AND OF LENGTH EQUAL TO CROSSING WIDTH.
 2. CAST CONCRETE SLAB A MINIMUM OF 7 DAYS IN ADVANCE OF CONSTRUCTION WITH 3000 PSI CONCRETE.
 3. CONCRETE MAY BE EARTH FORMED.
 4. PROVIDE FENCING FOR INDICATING CROSSING LOCATION.
 5. PREVENT CROSSING OF PIPE LINE AT ALL OTHER LOCATIONS.
 6. MAXIMUM LOADING: 15,000 LB. WHEEL LOAD.

DETAIL OF CONCRETE SLAB FOR PERMANENT PIPELINE UTILITY CROSSING



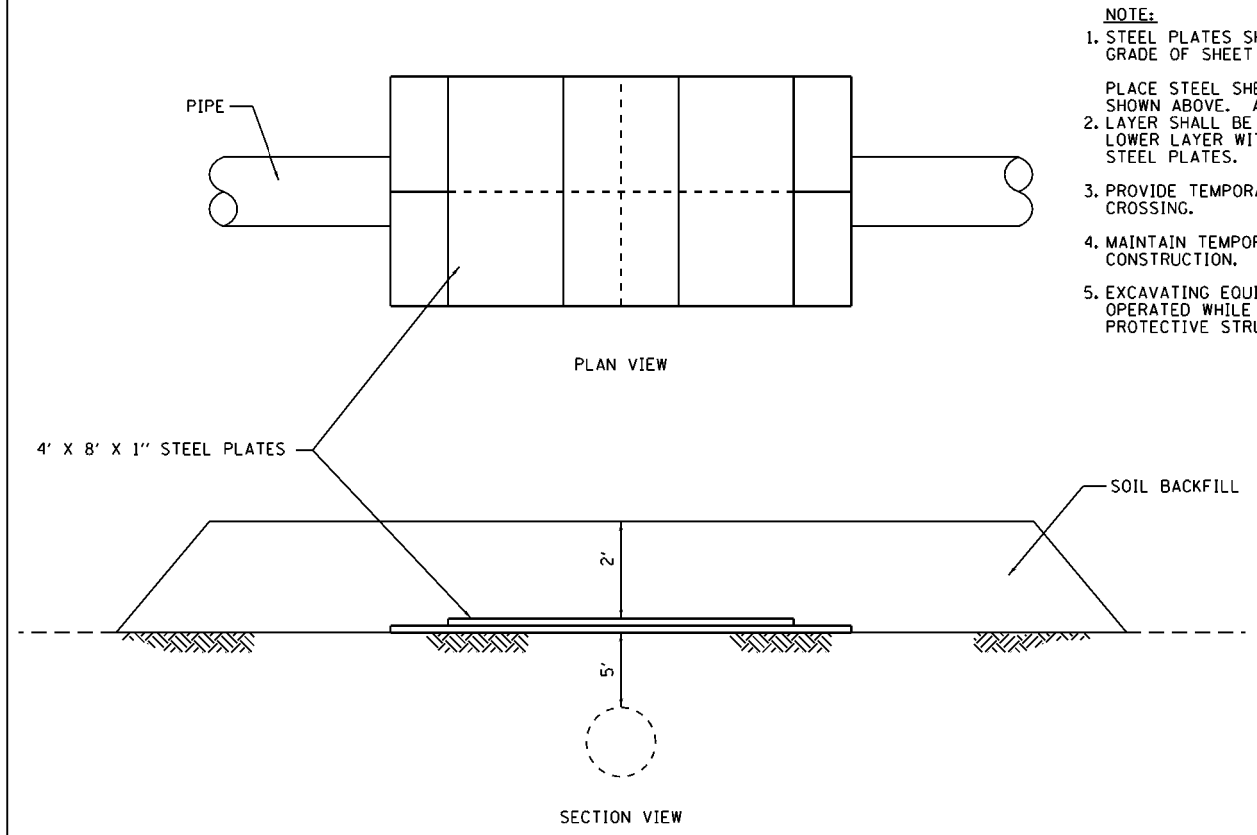
- NOTE:**
1. 12" X 12" X 15" TIMBERS LAND SIDE BY SIDE ON GRADE - 20 OFF PERPENDICULAR TO PIPE CENTERLINE WITH 2' OF COVER OVER TIMBER.
 2. IF POOR SOIL CONDITIONS EXIST, NICOR FIELD REPRESENTATIVE MAY REQUIRE STEEL PLATES CENTERED ON TOP OF TIMBERS (AS SHOWN ABOVE).
 3. STEEL PLATES SHALL BE 4' X 8' X 1", GRADE OF SHEET SHALL BE ASTM A-36.
 4. PROVIDE TEMPORARY FENCE TO DEFINE CROSSING.
 5. MAINTAIN TEMPORARY FENCING DURING CONSTRUCTION.
 6. EXCAVATING EQUIPMENT CAN NOT BE OPERATED WHILE SITTING ON PROTECTIVE STRUCTURE.

TEMPORARY PIPELINE UTILITY CROSSING ALTERNATE NO. 2



- NOTE:**
1. LAY TIES IN TWO LAYERS, SET LOWER TIES AND BACKFILL TO TOP OF TIES; SET SECOND LAYER AND BACKFILL TO GRADE.
 2. PROVIDE TEMPORARY FENCE TO DEFINE CROSSING.
 3. MAINTAIN TEMPORARY FENCING DURING CONSTRUCTION.
 4. MAX LOADING: WHEEL LOAD: 15,000 LBS., TRACK LOAD: 80,000 LBS.

TEMPORARY PIPELINE UTILITY CROSSING ALTERNATE NO. 1



- NOTE:**
1. STEEL PLATES SHALL BE 4' X 8' X 1", GRADE OF SHEET SHALL BE ASTM A-36.
 2. PLACE STEEL SHEETS IN TWO LAYERS AS SHOWN ABOVE. ALIGNMENT OF THE UPPER LAYER SHALL BE PERPENDICULAR TO THE LOWER LAYER WITH 2' OF COVER OVER STEEL PLATES.
 3. PROVIDE TEMPORARY FENCE TO DEFINE CROSSING.
 4. MAINTAIN TEMPORARY FENCING DURING CONSTRUCTION.
 5. EXCAVATING EQUIPMENT CAN NOT BE OPERATED WHILE SITTING ON PROTECTIVE STRUCTURE.

TEMPORARY PIPELINE UTILITY CROSSING ALTERNATE NO. 3

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		CHECKED - KLT	REVISED -
		DATE - 8/22/2014	REVISED -

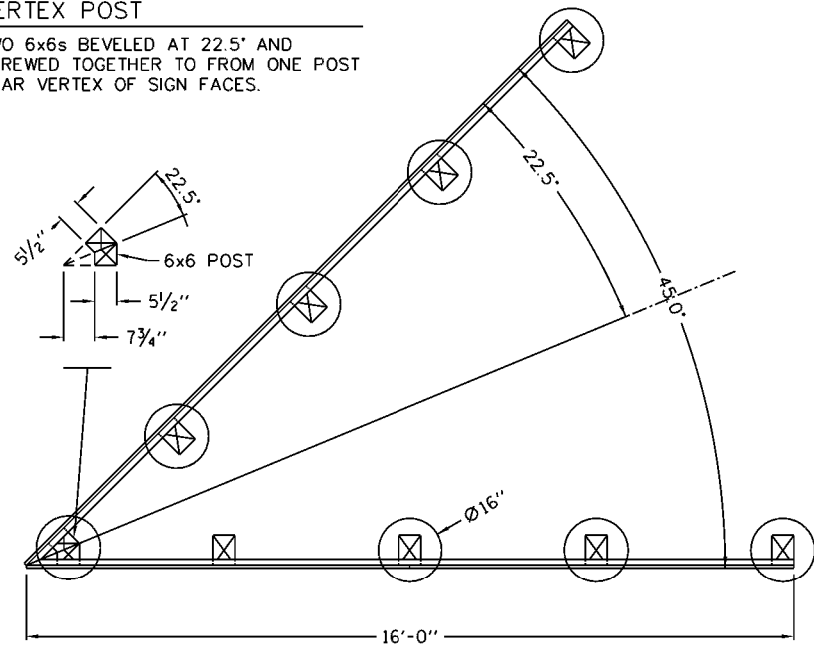
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS CONSTRUCTION DETAILS
GRAND ILLINOIS TRAIL
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	46
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

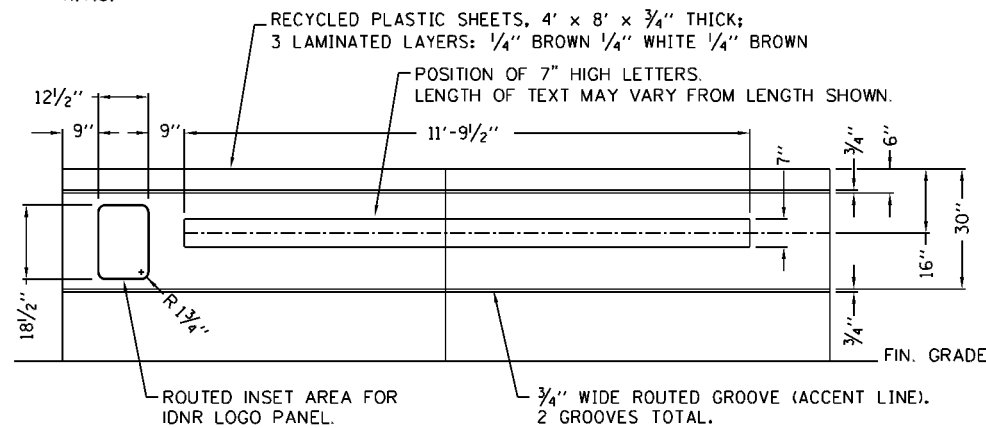
VERTEX POST

TWO 6x6s BEVELED AT 22.5° AND SCREWED TOGETHER TO FORM ONE POST NEAR VERTEX OF SIGN FACES.



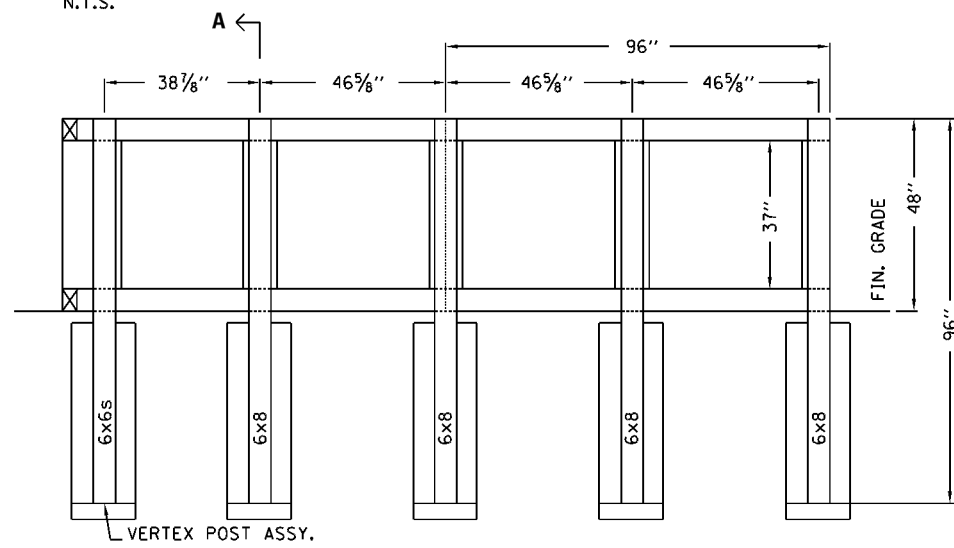
TOP VIEW—SIGN STRUCTURE

N.T.S.



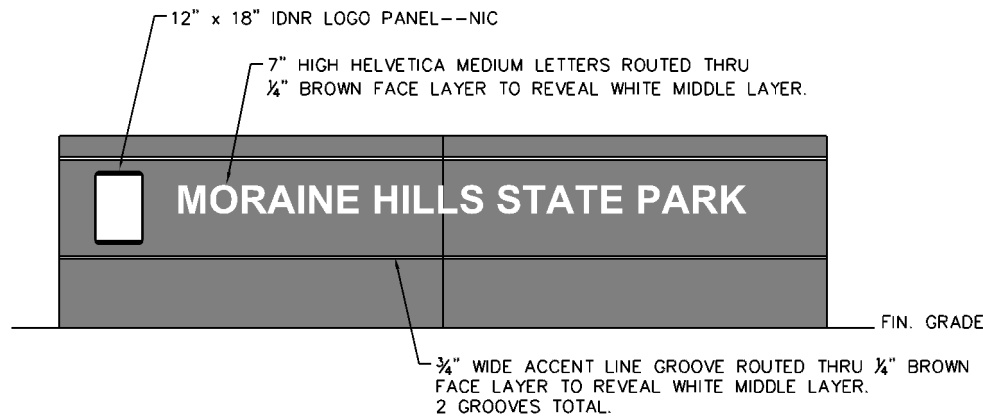
FRONT VIEW—SIGN FACE LAYOUT (4' HIGH x 16' LONG ASSY.)

N.T.S.



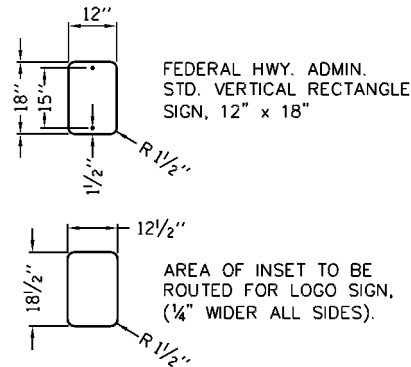
BACKSIDE VIEW—SIGN SUPPORTS/FRAMING

N.T.S.



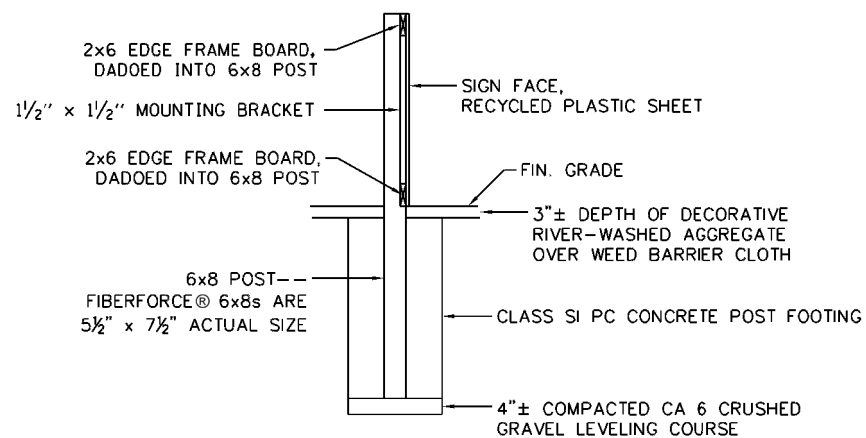
FRONT VIEW—SIGN FACE

N.T.S.



DETAIL—LOGO SIGN PANEL & INSET AREA

N.T.S.



SECT. A-A

N.T.S.

NOTE: SHOP DRAWING IS REQUIRED TO VERIFY SIGN STRUCTURE DESIGN AND THE LAYOUT OF SIGN FACE ELEMENTS, I.E., LETTERING LENGTH, POSITION OF LETTERING AND LOGO PANEL, ACCENT LINE POSITIONS, AND ETC.

MATERIALS LIST

ALL PLASTIC LUMBER ITEMS TO BE STANDARD "BROWN" COLOR

ITEM	LENGTH	QUAN.
FIBERFORCE® REINFORCED PLASTIC LUMBER		
6x8 POST (5 1/2" x 7 1/2" ACTUAL)	8'	8 EA.
6x6 POST (5 1/2" x 5 1/2" ACTUAL)	8'	2 EA.
(TO MAKE 1 VERTEX POST ASSY.)		
2x6 EDGE FRAME BOARD (1 1/2" x 5 1/2" ACTUAL)	16'	4 EA.

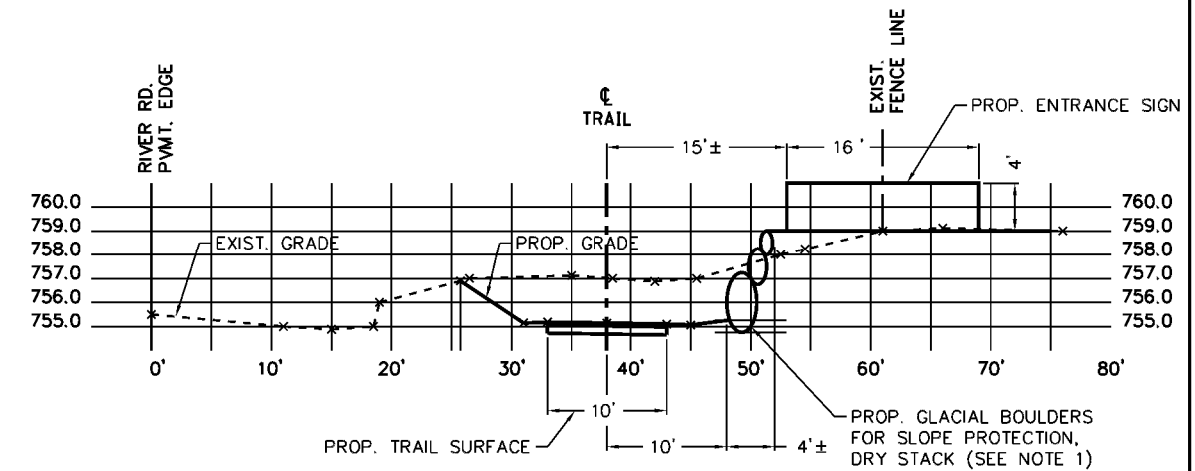
ITEM	QUAN.
RECYCLED PLASTIC SHEETS	
4' x 8' SHEET, 3/4" THICK	4 EA.
3 LAMINATED LAYERS, 1/4" THICK EACH:	
BROWN/WHITE/BROWN	

ITEM	LENGTH	QUAN.
MOUNTING BRACKETS, ALUM. OR STAINLESS STEEL		
1 1/2" x 1 1/2" ANGLE	37"	16 EA.
SPACING OF FASTENER HOLES IS TO BE DETERMINED VIA SHOP DRAWING.		

FASTENERS, STAINLESS STEEL SIZES AND QUANTITIES ARE TO BE DETERMINED VIA SHOP DRAWING.

ITEM	QUAN.
IDNR LOGO PANEL--NIC	
12" x 18" LOGO PANEL TO BE SUPPLIED BY IDNR	2 EA.

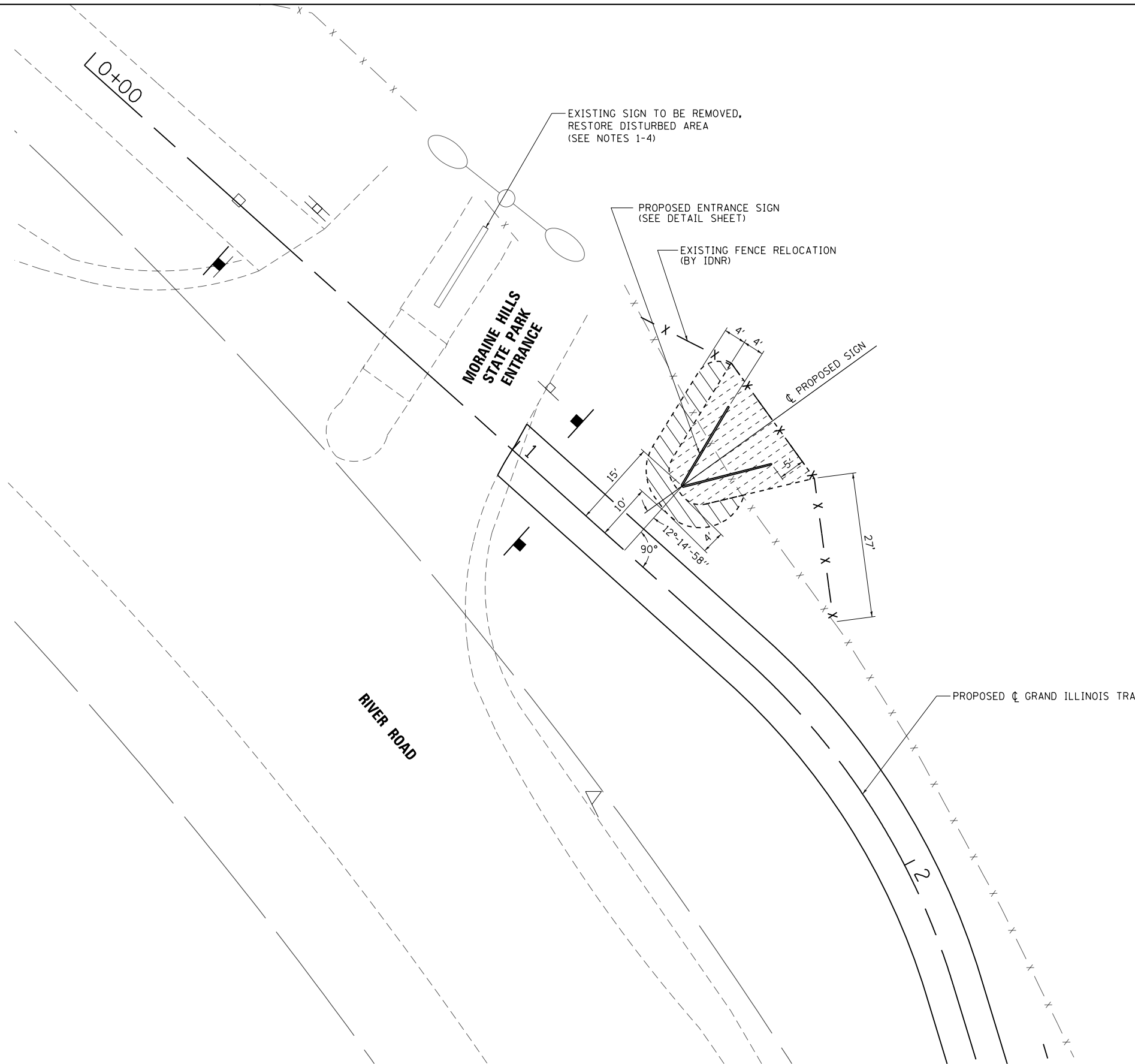
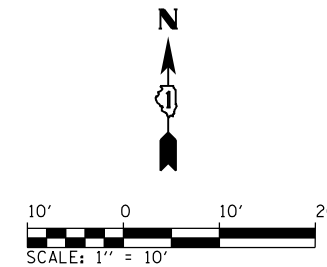
ITEM	QUAN.
FOOTINGS	
CLASS SI PCC POST FOOTING	9 EA.
CA 6 CRUSHED GRAVEL LEVELING COURSE	4"± COMPACTED



CROSS SECTION STA. 1+25±
(LOOKING WEST)
N.T.S.

NOTES:

- PROPOSED GLACIAL BOULDERS SIZING SHALL BE:
LOWER COURSE 30"-36" DIA.
MIDDLE COURSE 18"-24" DIA.
TOP COURSE 12"-18" DIA.



LEGEND

- AGGREGATE MULCH/WEED BARRIER FABRIC
- GLACIAL BOULDERS FOR SLOPE PROTECTION

NOTES:

- EXISTING SIGN TO BE REMOVED (REMOVE SIGN (SPECIAL), 1 EACH) BY CONTRACTOR AS FOLLOWS:
1. DISASSEMBLE RECYCLED PLASTIC FACE BOARDS FROM POSTS, DELIVER THE BOARDS/LETTERING TO THE PARK'S SERVICE CENTER.
 2. CUT OFF WOOD POSTS AND REMOVE CONCRETE TO A DEPTH OF 6 INCHES BELOW FINISH GRADE OF MEDIAN.
 3. PLACE 6 INCH DEPTH OF TOPSOIL TO MATCH ADJOINING FINISH GRADE OF MEDIAN.
 4. SEED WITH IDOT CLASS 1 LAWN MIXTURE AS PER IDOT STD. SPECIFICATIONS SECTION 250.

FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - MJO	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

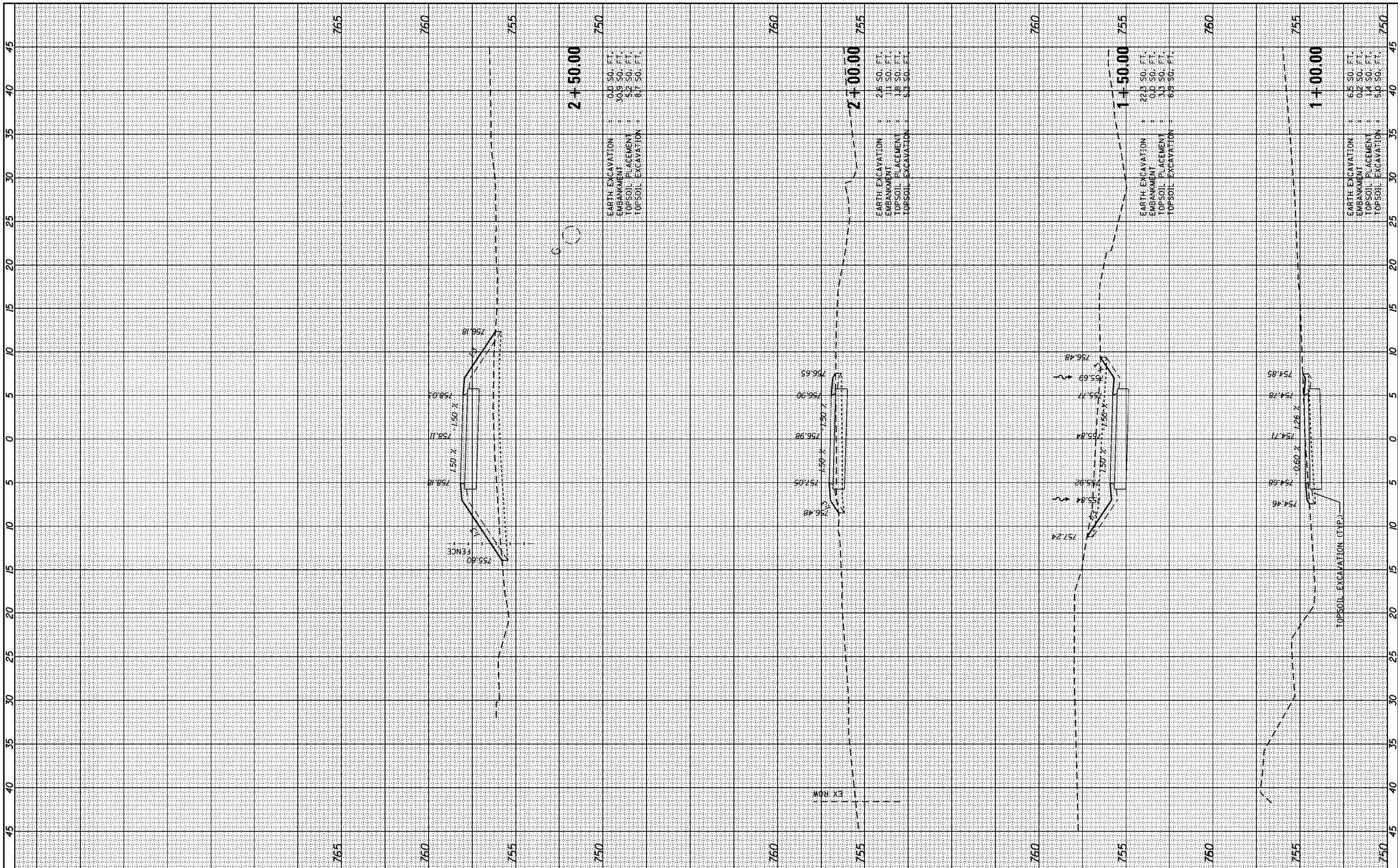
**PROPOSED ENTRANCE SIGN - SITE PLAN
GRAND ILLINOIS TRAIL**

SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORaine HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	48
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2014

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

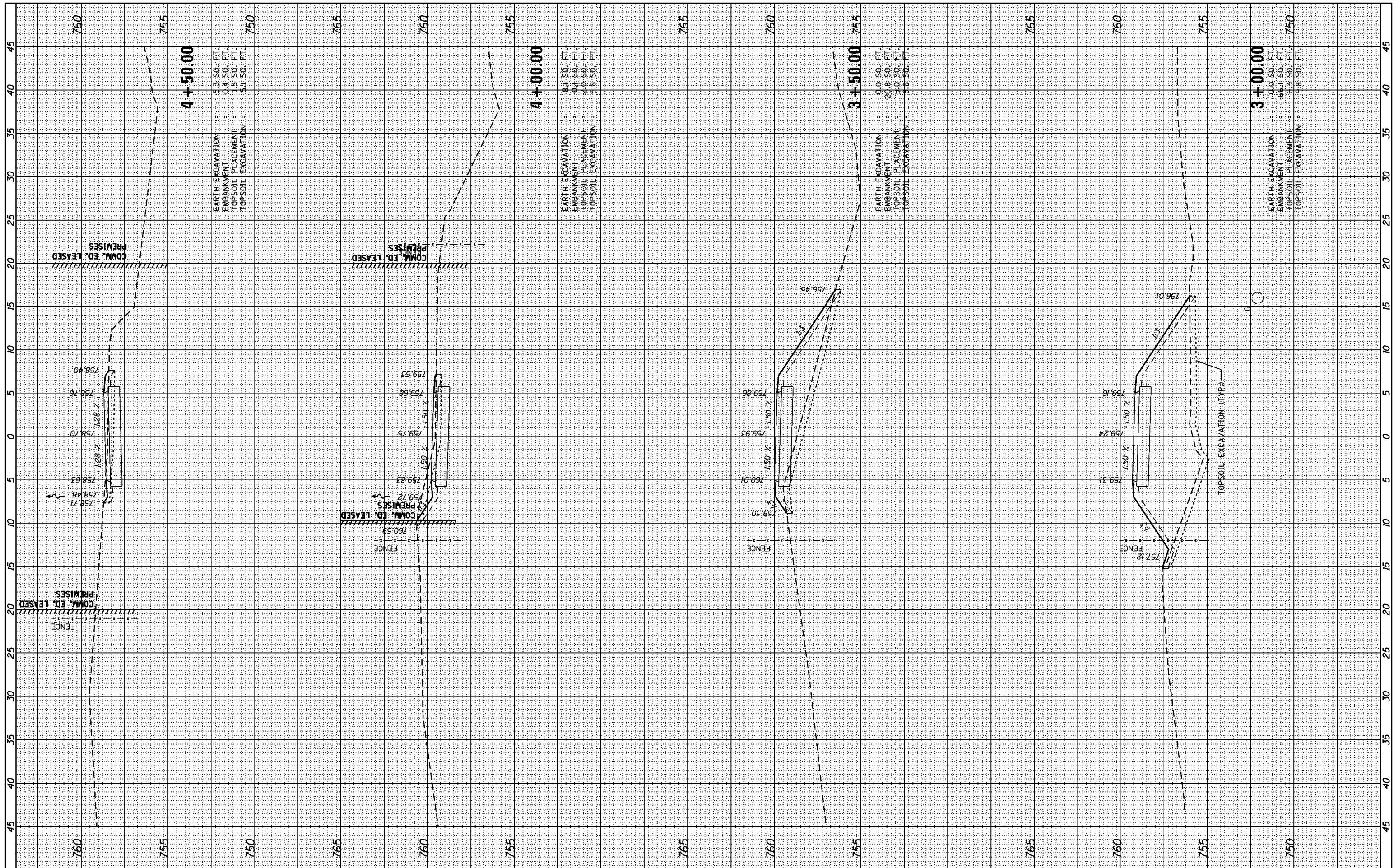
CROSS SECTIONS
GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 1+00.00 TO STA. 2+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	49

CONTRACT NO. 46343
 ILLINOIS FED. AID PROJECT

BY	DATE

BY	DATE



FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2014

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

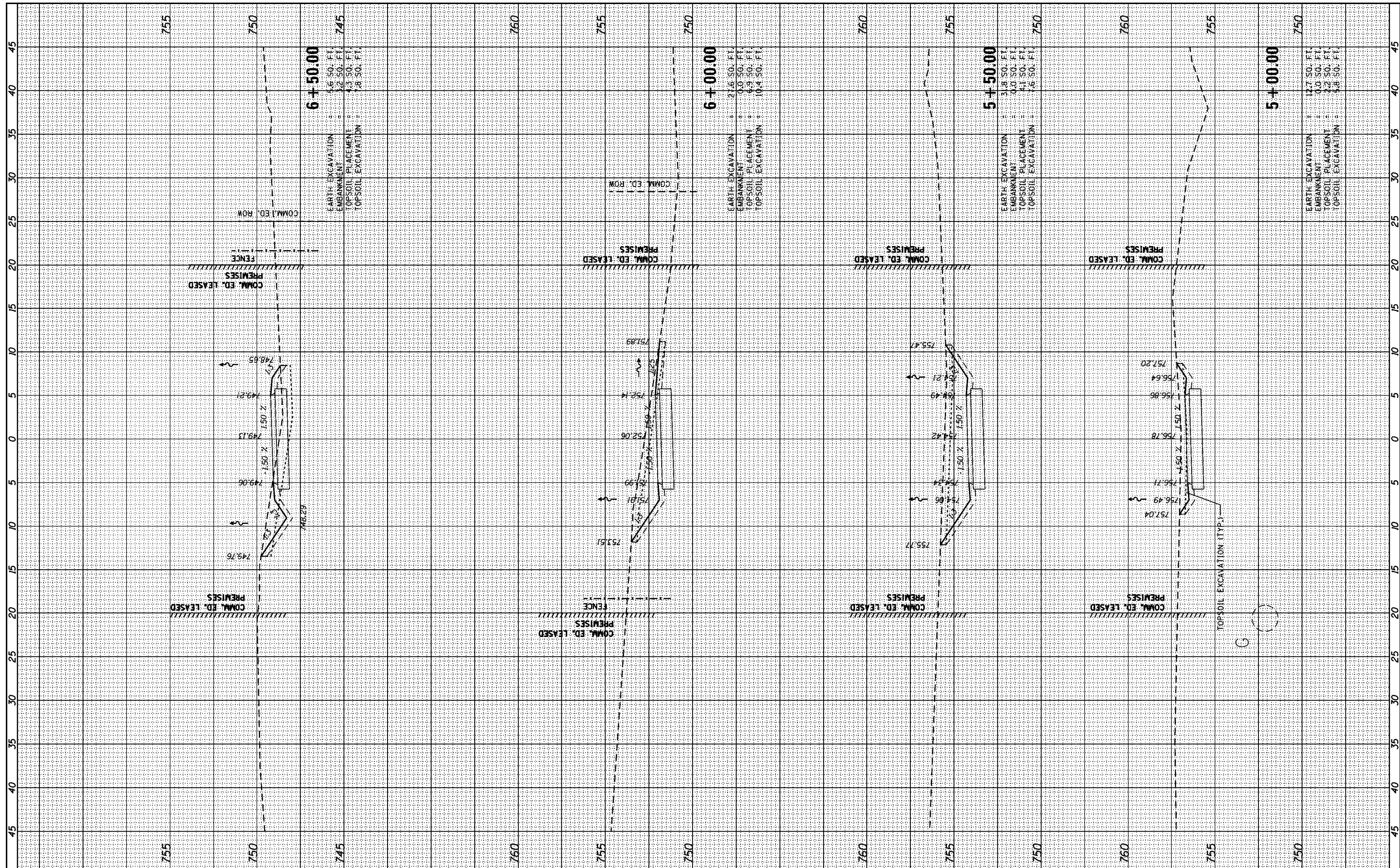
**CROSS SECTIONS
 GRAND ILLINOIS TRAIL**

SCALE: SHEET OF SHEETS STA. 3+00.00 TO STA. 4+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	50
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



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DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

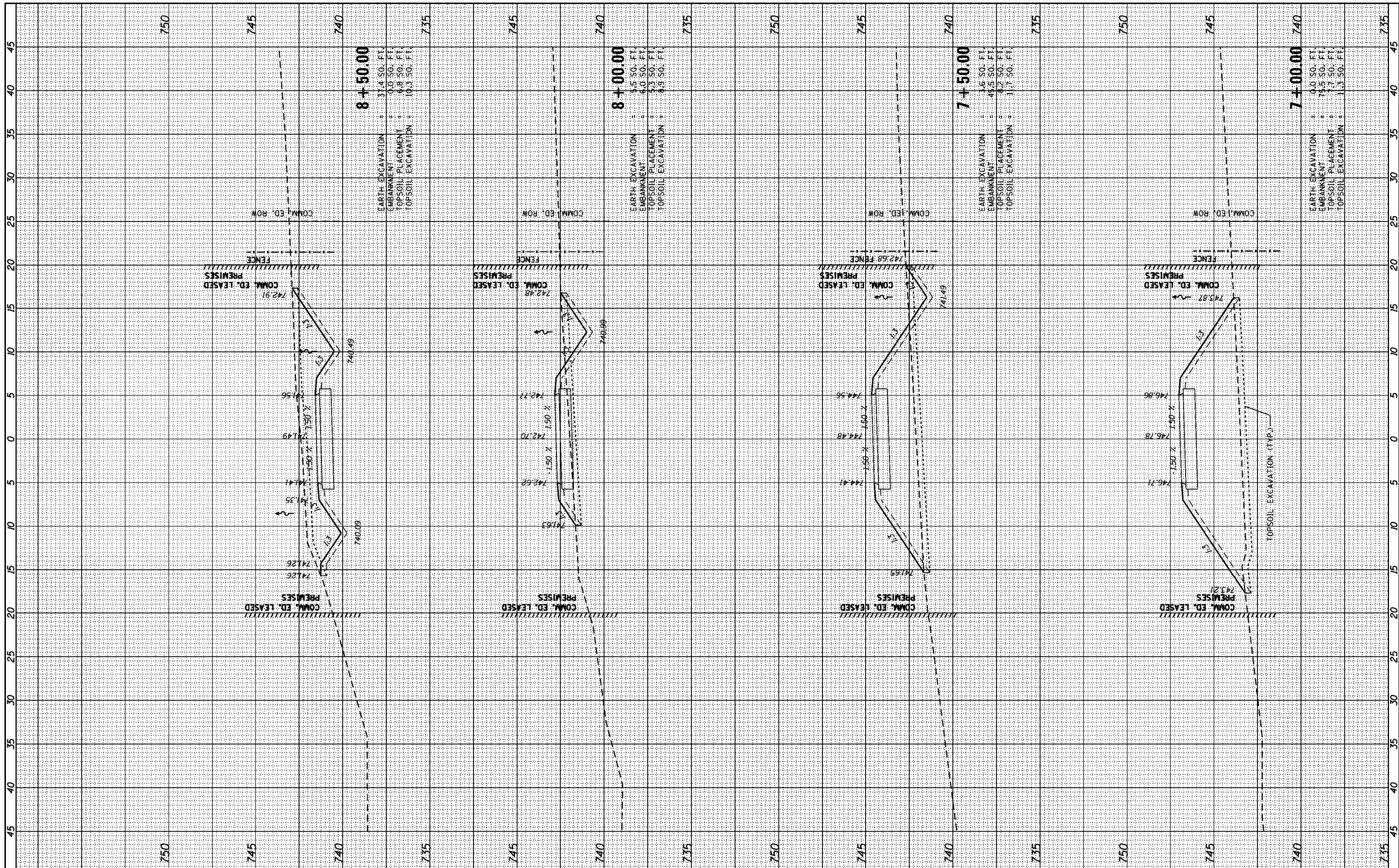
SCALE:	SHEET	OF	SHEETS	STA. 5+00.00	TO	STA. 6+50.00
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CROSS SECTIONS
 GRAND ILLINOIS TRAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	51
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	



8 + 50.00
 EARTH EXCAVATION = 31.4 SO. FT.
 EMBANKMENT = 0.0 SO. FT.
 TOPSOIL PLACEMENT = 6.8 SO. FT.
 TOPSOIL EXCAVATION = 10.3 SO. FT.

8 + 00.00
 EARTH EXCAVATION = 1.5 SO. FT.
 EMBANKMENT = 6.0 SO. FT.
 TOPSOIL PLACEMENT = 5.3 SO. FT.
 TOPSOIL EXCAVATION = 9.9 SO. FT.

7 + 50.00
 EARTH EXCAVATION = 1.6 SO. FT.
 EMBANKMENT = 4.5 SO. FT.
 TOPSOIL PLACEMENT = 8.2 SO. FT.
 TOPSOIL EXCAVATION = 1.7 SO. FT.

7 + 00.00
 EARTH EXCAVATION = 0.0 SO. FT.
 EMBANKMENT = 1.3 SO. FT.
 TOPSOIL PLACEMENT = 1.7 SO. FT.
 TOPSOIL EXCAVATION = 1.3 SO. FT.

FILE NAME = L:\1001\1206601\Draw\CADD_Sheets\DI_sht_XSC.dgn

USER NAME = Kristin Timmons
 DESIGNED -
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 DATE -

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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 7+00.00 TO STA. 8+50.00

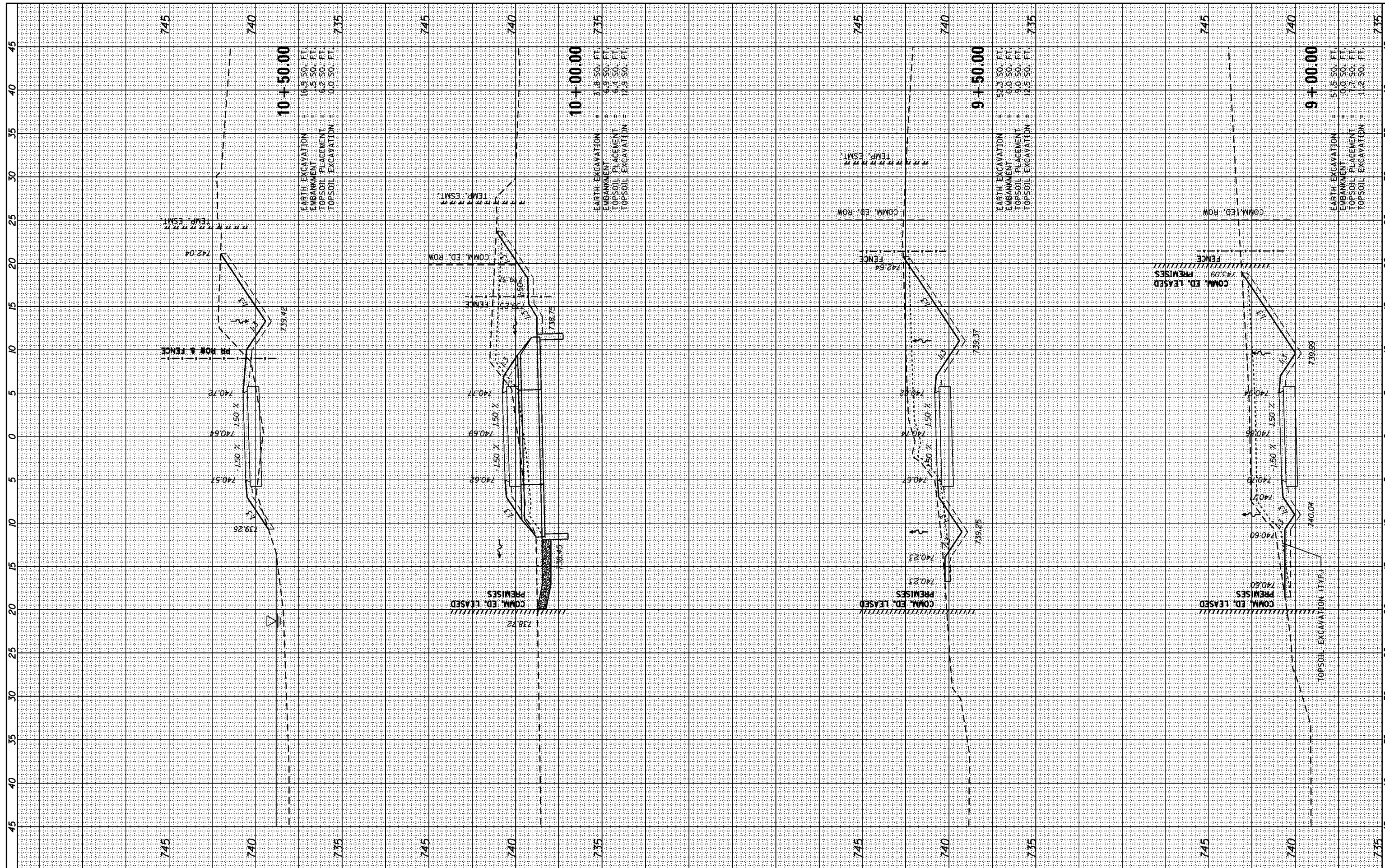
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MORAIN HILLS - MCHENRY LAKE	SEGMENT - WEST SECTION	MCHENRY	75	52
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

BY	DATE

FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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PLOT DATE = 8/29/2014	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

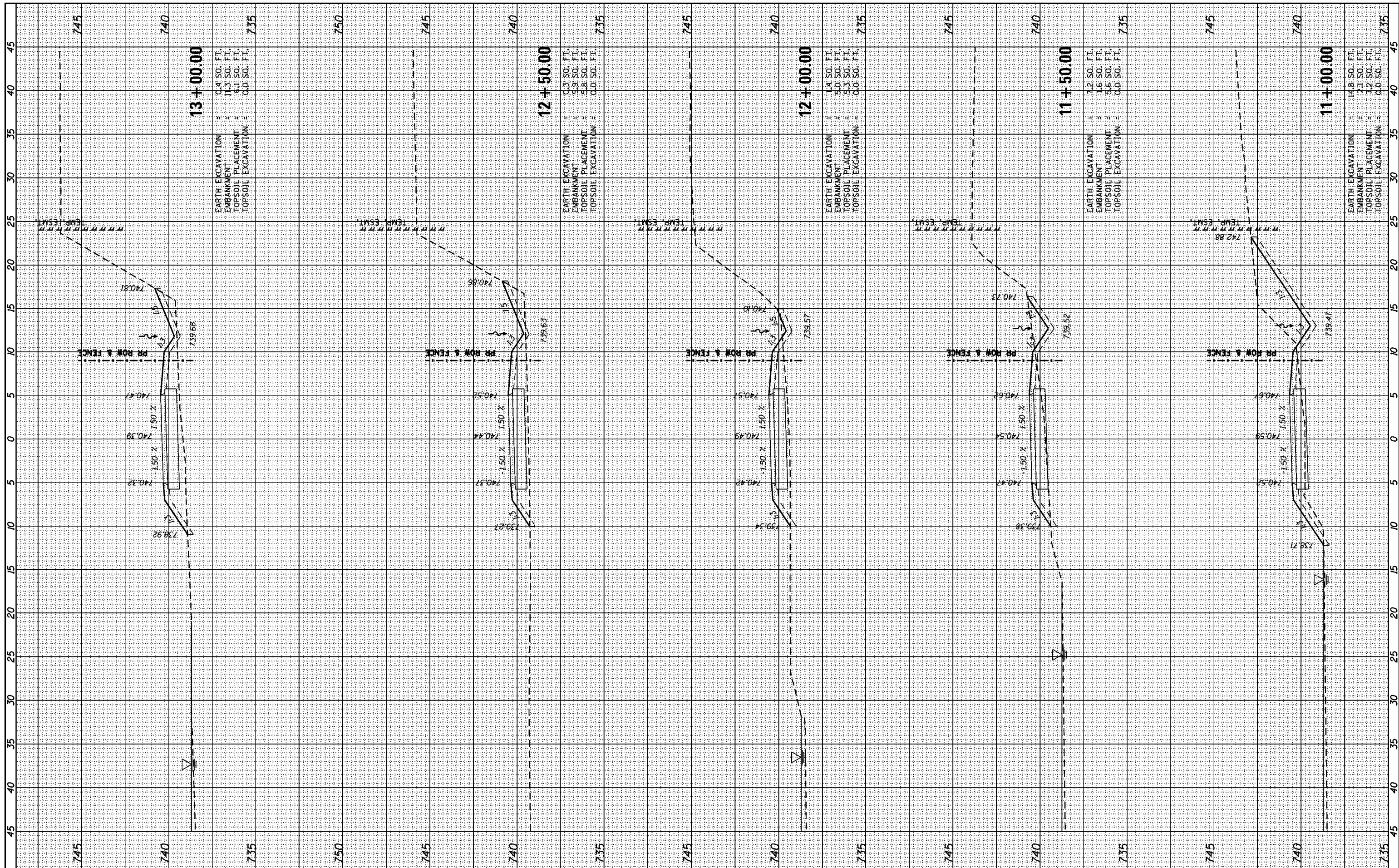
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**CROSS SECTIONS
GRAND ILLINOIS TRAIL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MORAIN HILLS - MCHENRY/LAKE	SEGMENT - WEST SECTION	MCHENRY	75	53
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46343	

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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 PLOT DATE = 8/29/2014

DESIGNED -	REVISD -
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DATE -	REVISD -

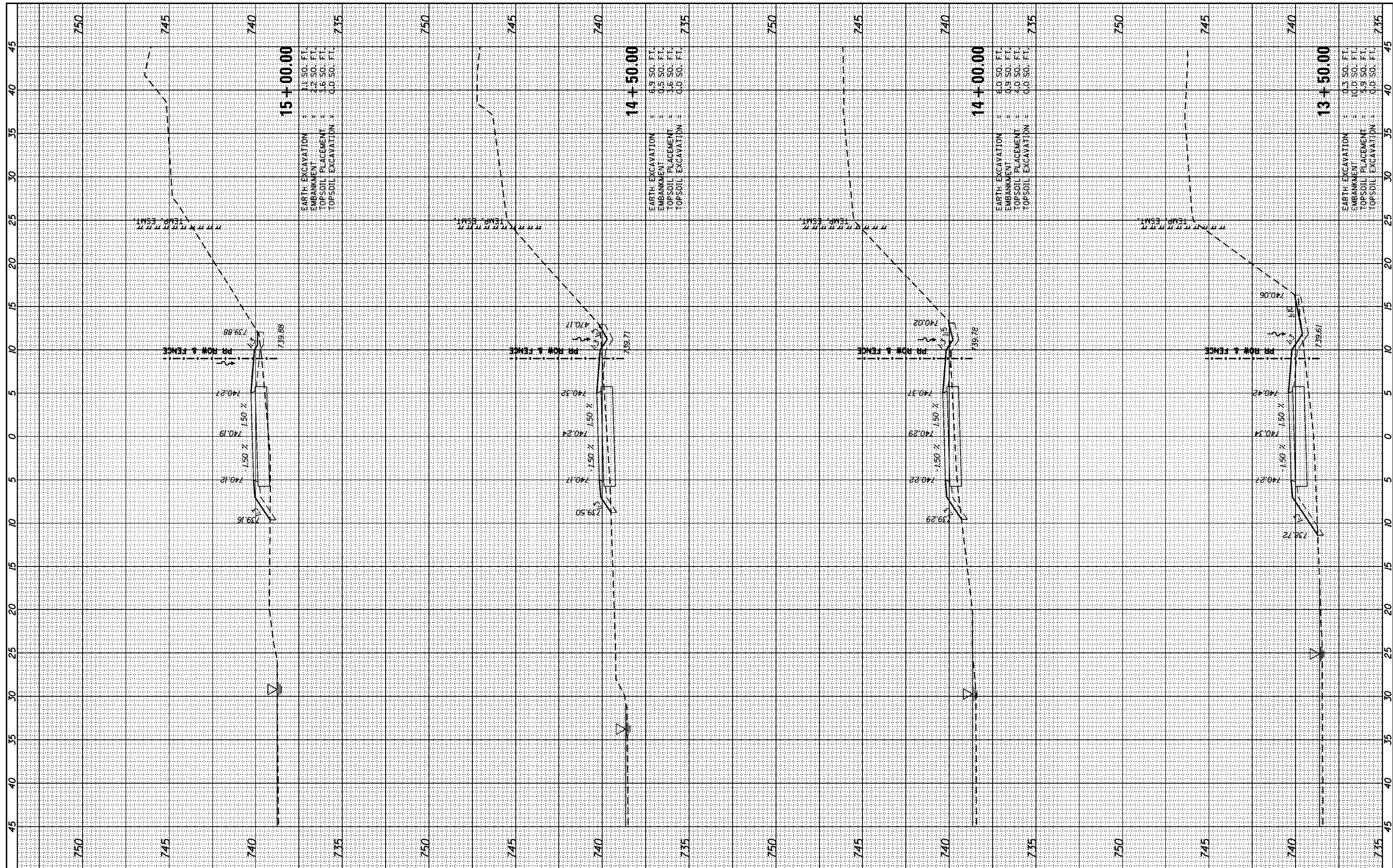
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 11+00.00 TO STA. 13+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY LAKE SEGMENT - WEST SECTION	MCHENRY	75	54
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



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 USER NAME = Kristin Timmons
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2014

DESIGNED -	REVISOR -
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CHECKED -	REVISOR -
DATE -	REVISOR -

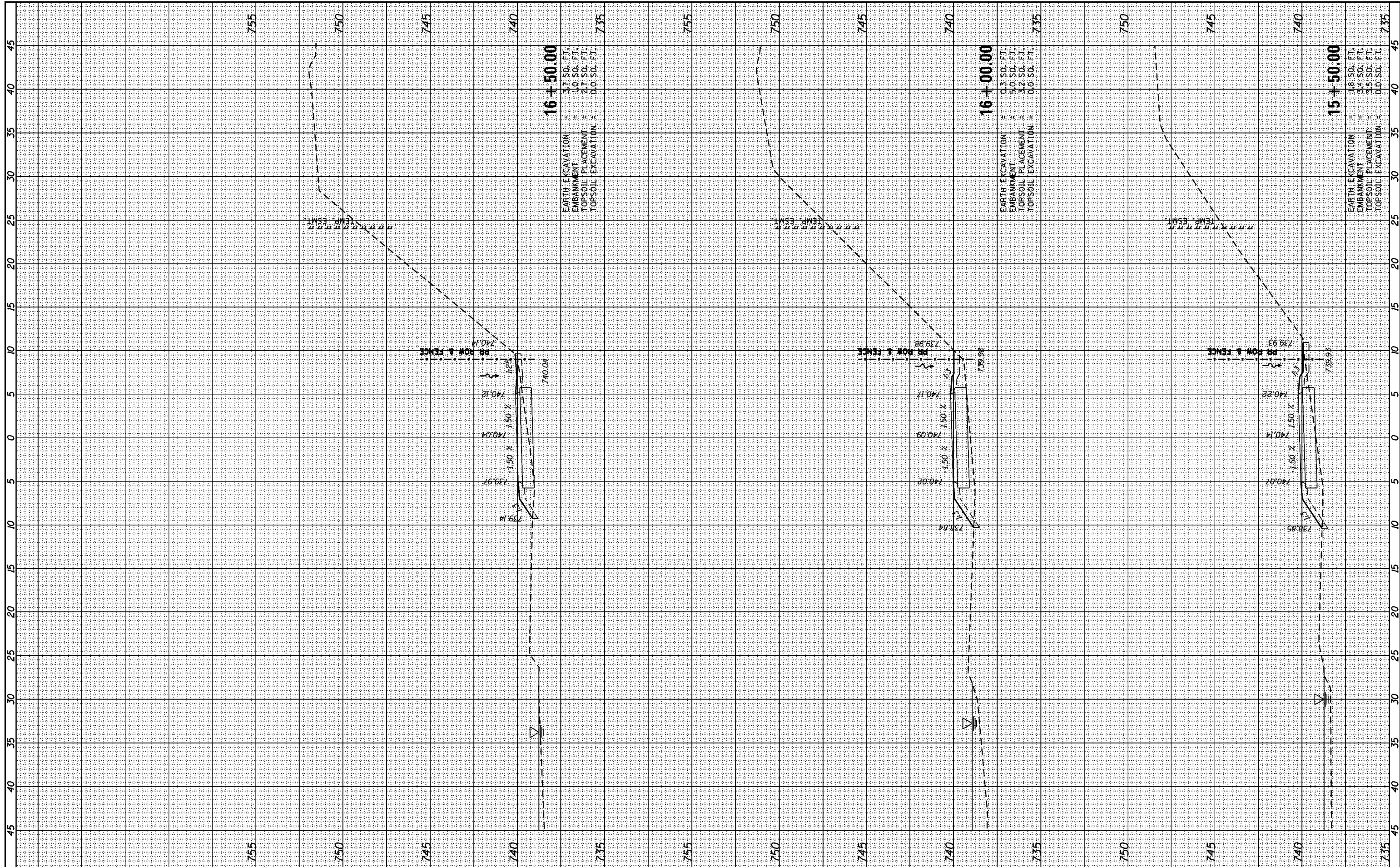
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GRAND ILLINOIS TRAIL**
 SCALE: SHEET OF SHEETS STA. 13+50.00 TO STA. 15+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	55
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

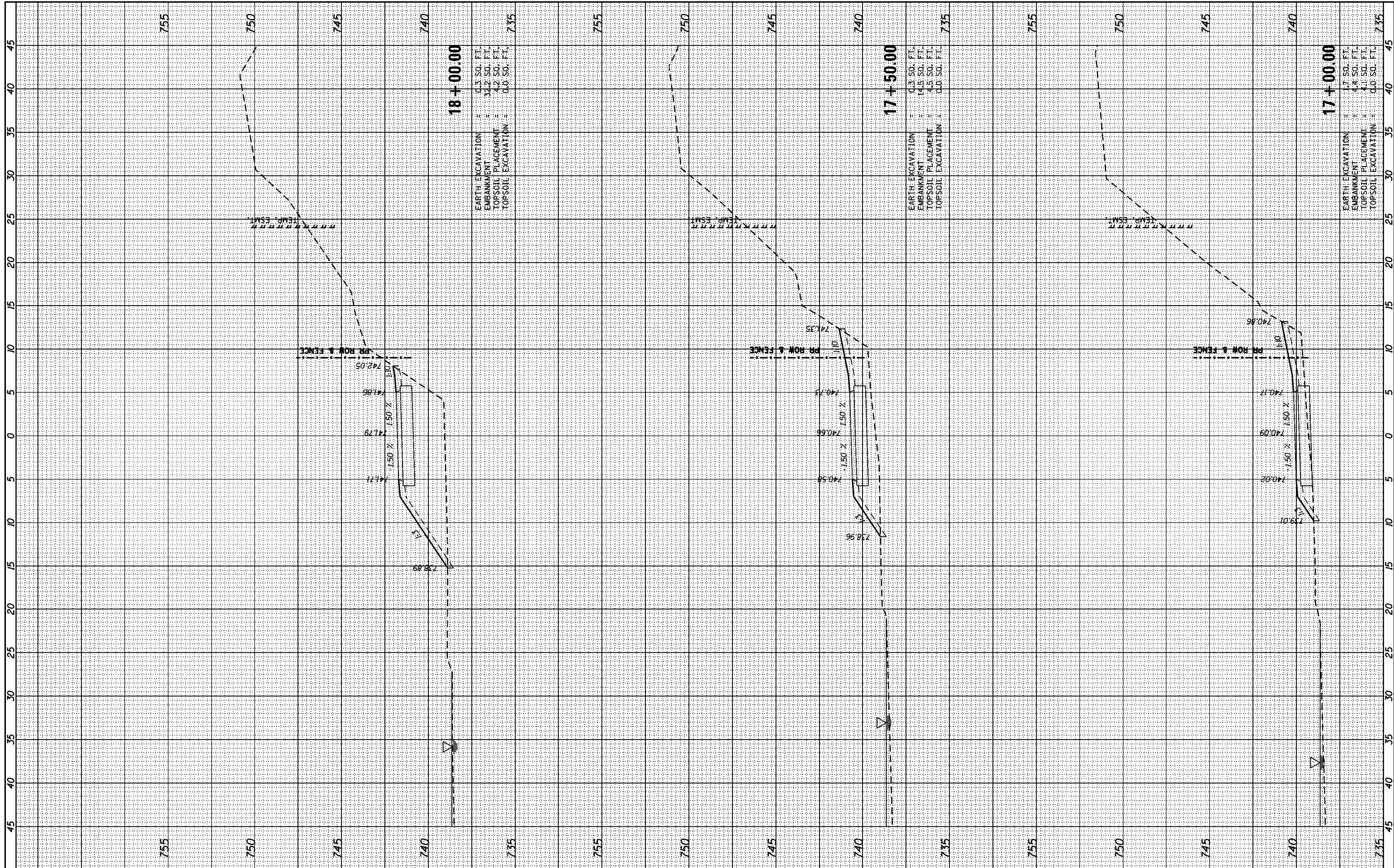
SCALE:	SHEET OF SHEETS	STA. 15+50.00 TO STA. 16+50.00
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CROSS SECTIONS
 GRAND ILLINOIS TRAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	56
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



18+00.00

EARTH EXCAVATION = 0.3 SO. FT.
 EMBANKMENT = 37.2 SO. FT.
 TOPSOIL PLACEMENT = 4.2 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

17+50.00

EARTH EXCAVATION = 0.3 SO. FT.
 EMBANKMENT = 14.5 SO. FT.
 TOPSOIL PLACEMENT = 4.5 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

17+00.00

EARTH EXCAVATION = 1.7 SO. FT.
 EMBANKMENT = 4.4 SO. FT.
 TOPSOIL PLACEMENT = 4.1 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

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USER NAME = Kristin Timmons
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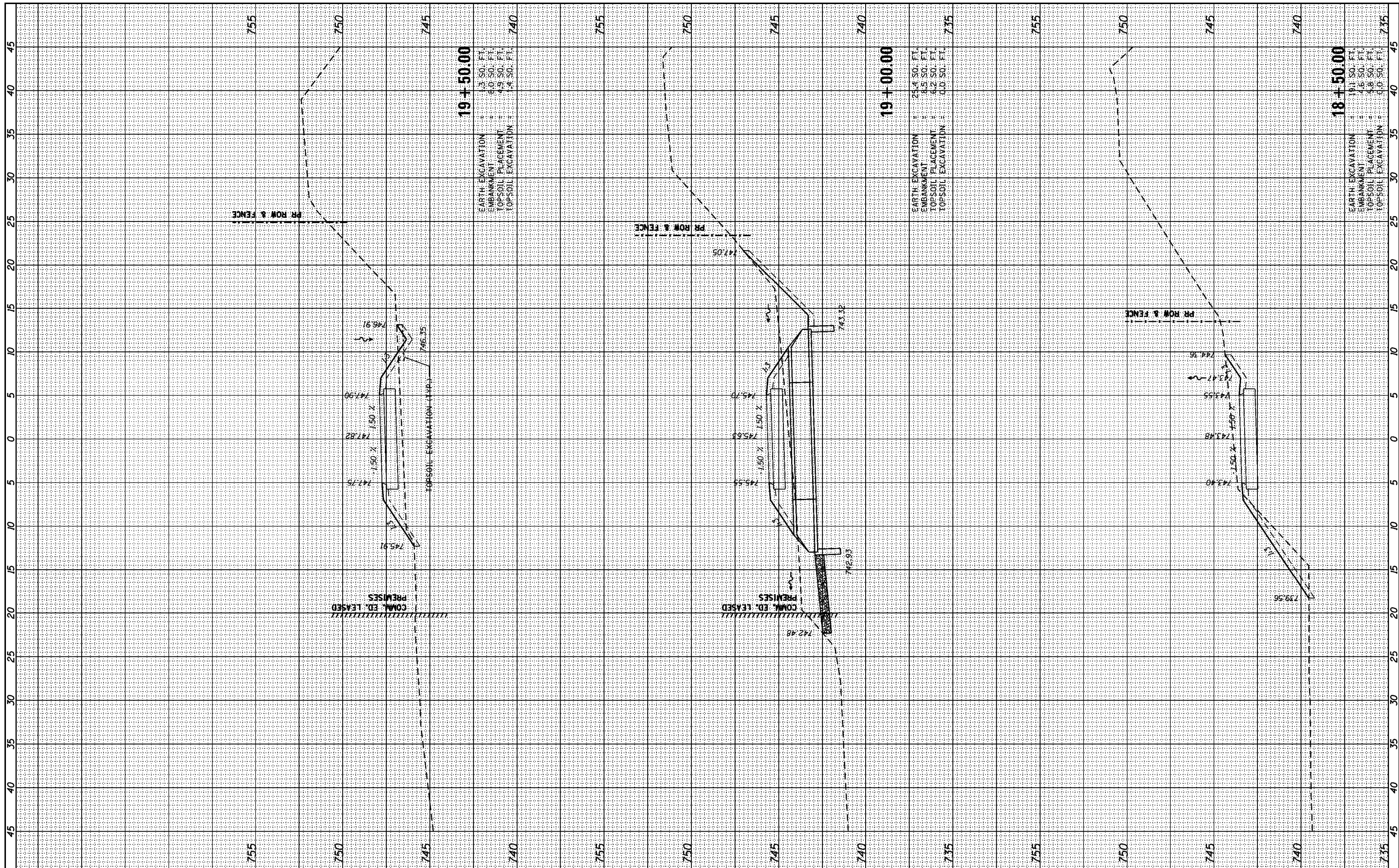
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 17+00.00 TO STA. 18+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MORAIN HILLS - MCHENRY/LAKE	SEGMENT - WEST SECTION	MCHENRY	75	57
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



19+50.00

EARTH EXCAVATION = 3.50 FT.
 EMBANKMENT = 8.0 SO. FT.
 TOPSOIL PLACEMENT = 4.5 SO. FT.
 TOPSOIL EXCAVATION = 4.50 FT.

19+00.00

EARTH EXCAVATION = 25.4 SO. FT.
 EMBANKMENT = 8.5 SO. FT.
 TOPSOIL PLACEMENT = 8.2 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

18+50.00

EARTH EXCAVATION = 19.1 SO. FT.
 EMBANKMENT = 4.6 SO. FT.
 TOPSOIL PLACEMENT = 8.8 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

FILE NAME = L:\1001\1206601\Draw\CADD_Sheets\DI_sht_XSC.dgn
 USER NAME = Kristin Timmons
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2014

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DATE -	REVISED -

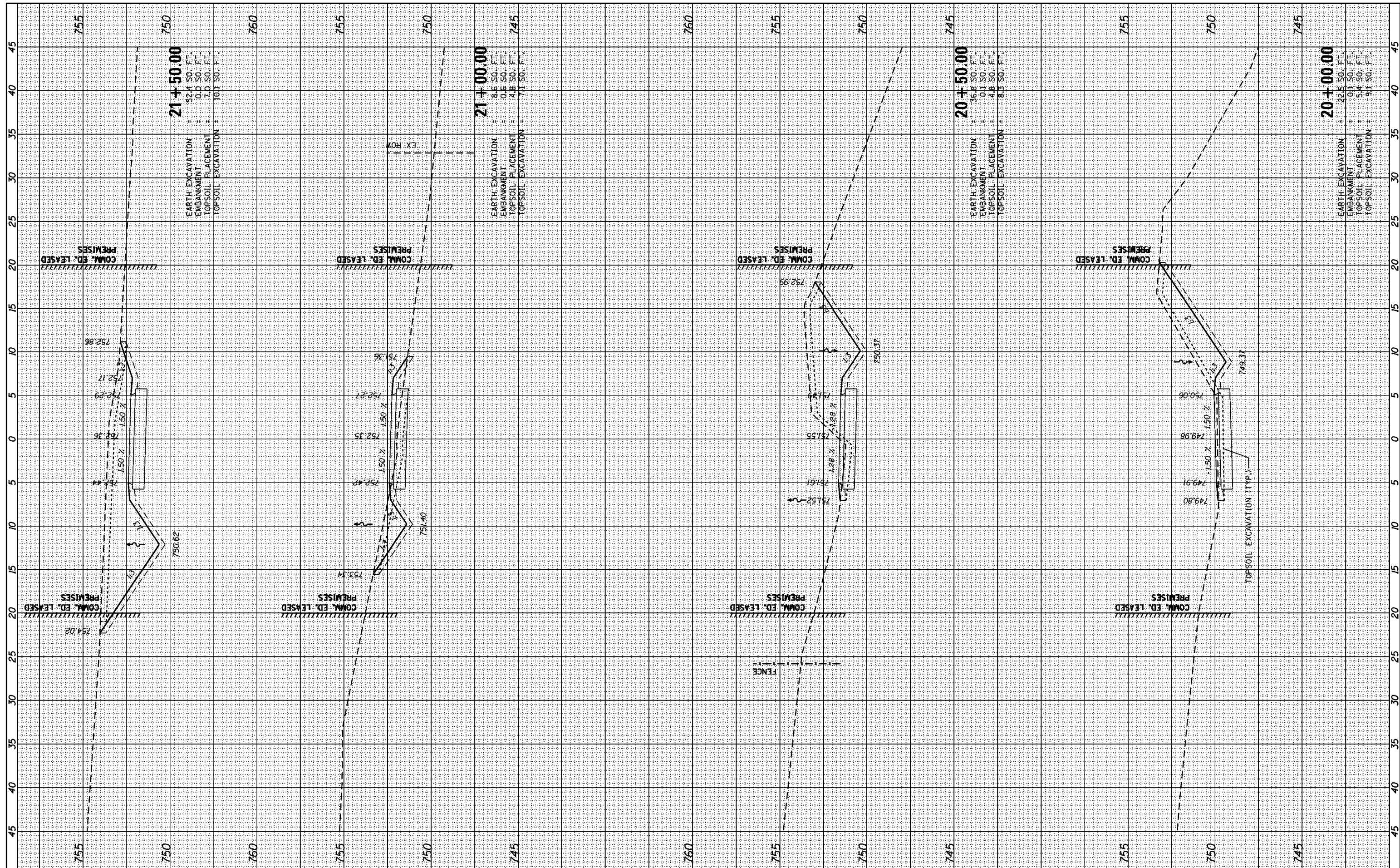
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GRAND ILLINOIS TRAIL**
 SCALE: SHEET OF SHEETS STA. 18+50.00 TO STA. 19+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY LAKE SEGMENT - WEST SECTION	MCHENRY	75	58
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	



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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2014

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CHECKED -	REVISOR -
DATE -	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

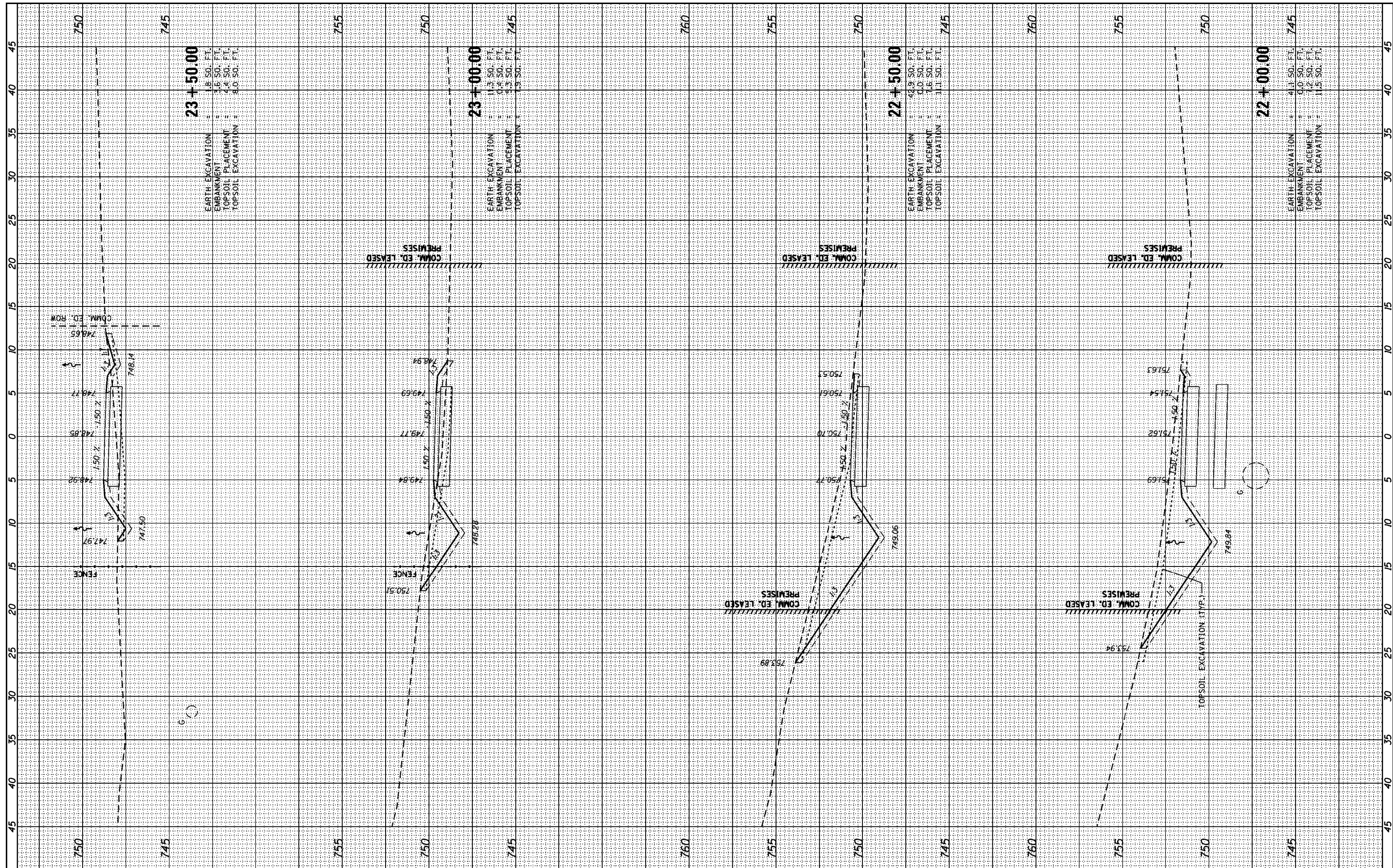
SCALE: SHEET OF SHEETS STA. 20+00.00 TO STA. 21+50.00

**CROSS SECTIONS
 GRAND ILLINOIS TRAIL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	59
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

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

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



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 PLOT DATE = 8/29/2014

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

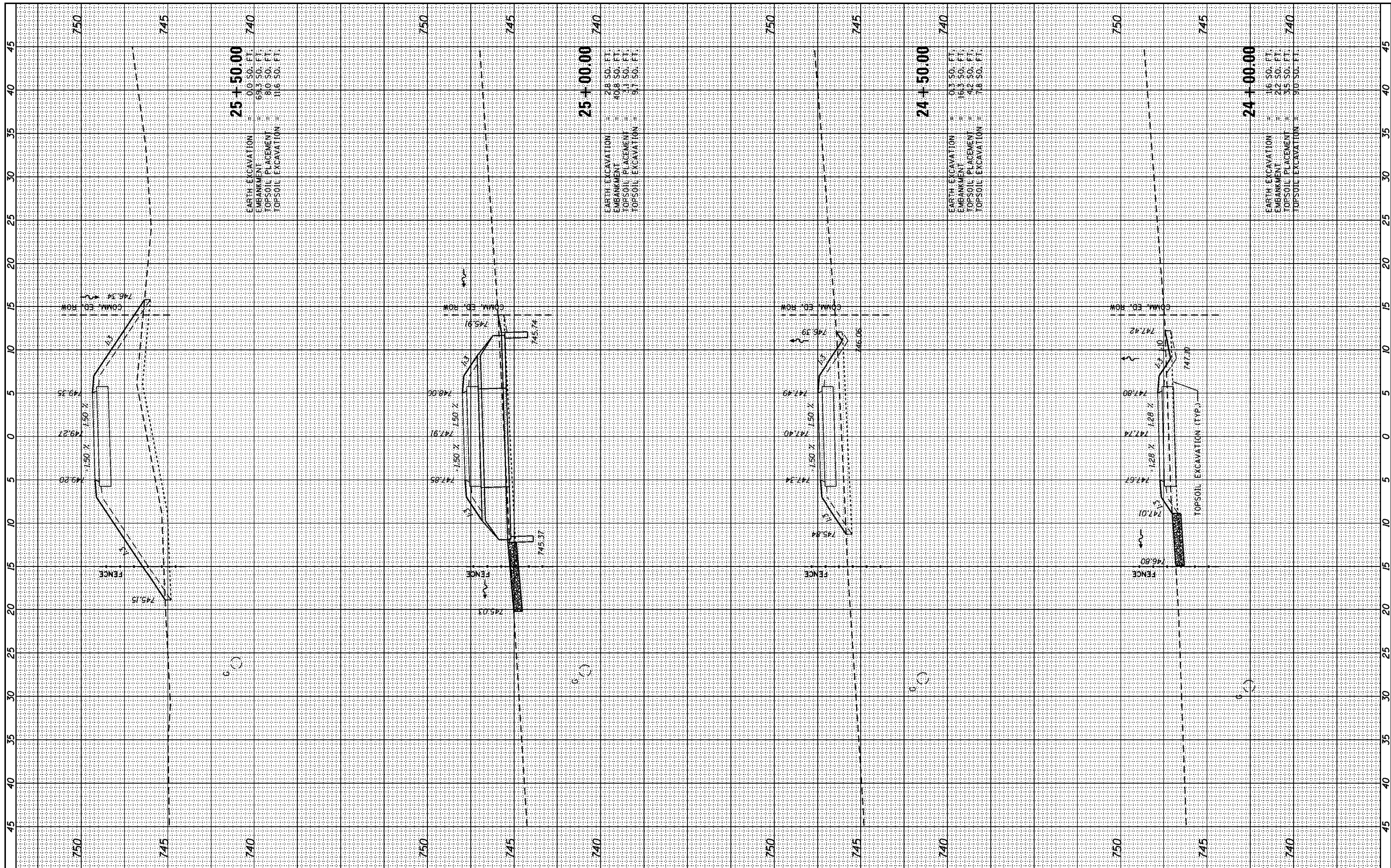
SCALE:	SHEET	OF	SHEETS	STA. 22+00.00	TO STA. 23+50.00
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CROSS SECTIONS
 GRAND ILLINOIS TRAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	60
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

BY	DATE
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	



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 PLOT DATE = 8/29/2014

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REVISED	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

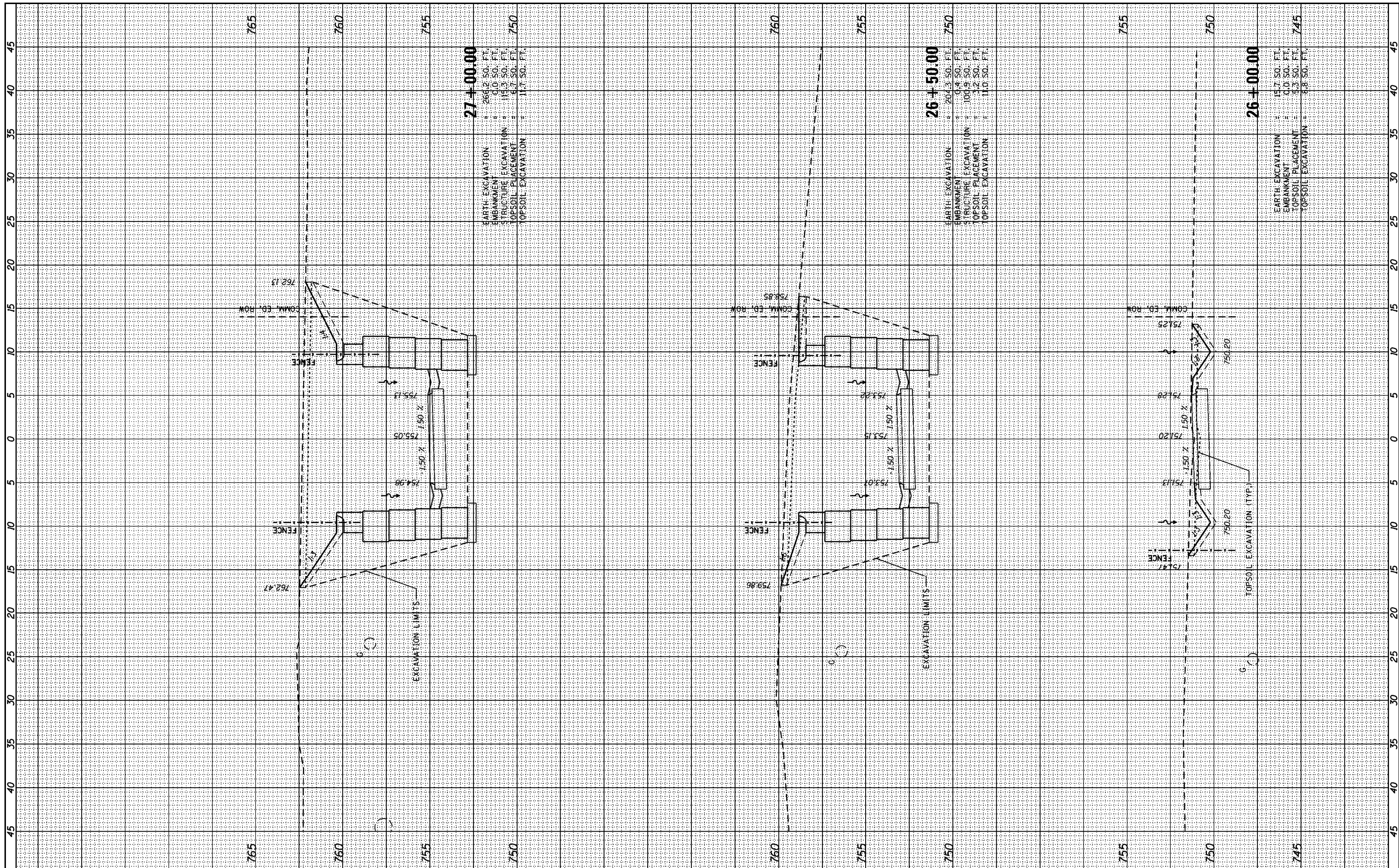
SCALE: SHEET OF SHEETS STA. 24+00.00 TO STA. 25+50.00

CROSS SECTIONS
GRAND ILLINOIS TRAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	61
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



27+00.00
 EARTH EXCAVATION = 266.2 SO. FT.
 EMBANKMENT = 0.0 SO. FT.
 STRUCTURE EXCAVATION = 19.3 SO. FT.
 TOPSOIL PLACEMENT = 6.7 SO. FT.
 TOPSOIL EXCAVATION = 11.7 SO. FT.

26+50.00
 EARTH EXCAVATION = 204.3 SO. FT.
 EMBANKMENT = 0.4 SO. FT.
 STRUCTURE EXCAVATION = 106.9 SO. FT.
 TOPSOIL PLACEMENT = 12.0 SO. FT.
 TOPSOIL EXCAVATION = 11.0 SO. FT.

26+00.00
 EARTH EXCAVATION = 157.7 SO. FT.
 EMBANKMENT = 0.0 SO. FT.
 TOPSOIL PLACEMENT = 5.3 SO. FT.
 TOPSOIL EXCAVATION = 8.8 SO. FT.

FILE NAME = L:\1001\1206601\Draw\CADD_Sheets\DI_sht_XSC.dgn
 USER NAME = Kristin Timmons
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2014

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DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

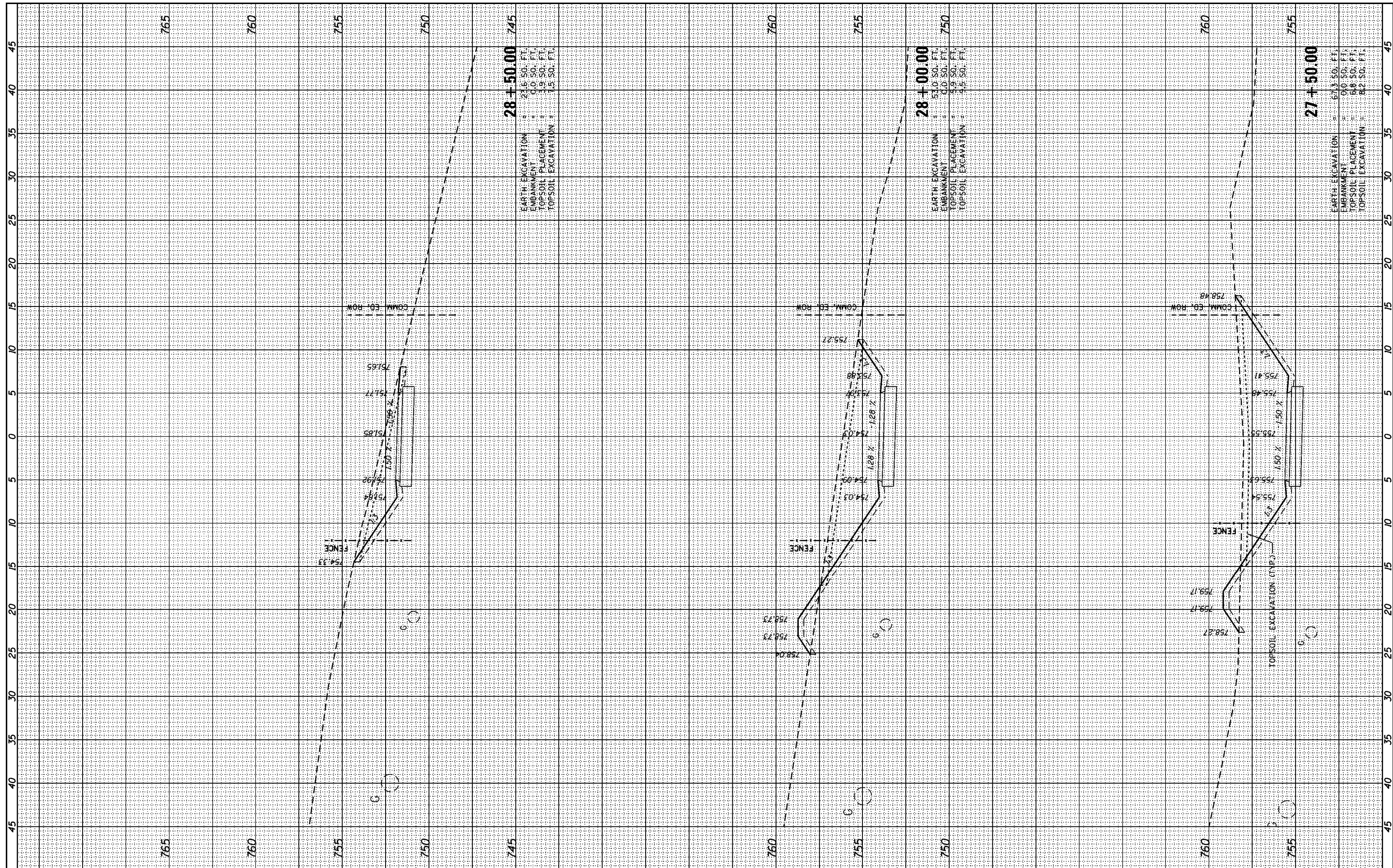
SCALE: SHEET OF SHEETS STA. 26+00.00 TO STA. 27+00.00

**CROSS SECTIONS
 GRAND ILLINOIS TRAIL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORaine HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	62
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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USER NAME : Kristin Timmons	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

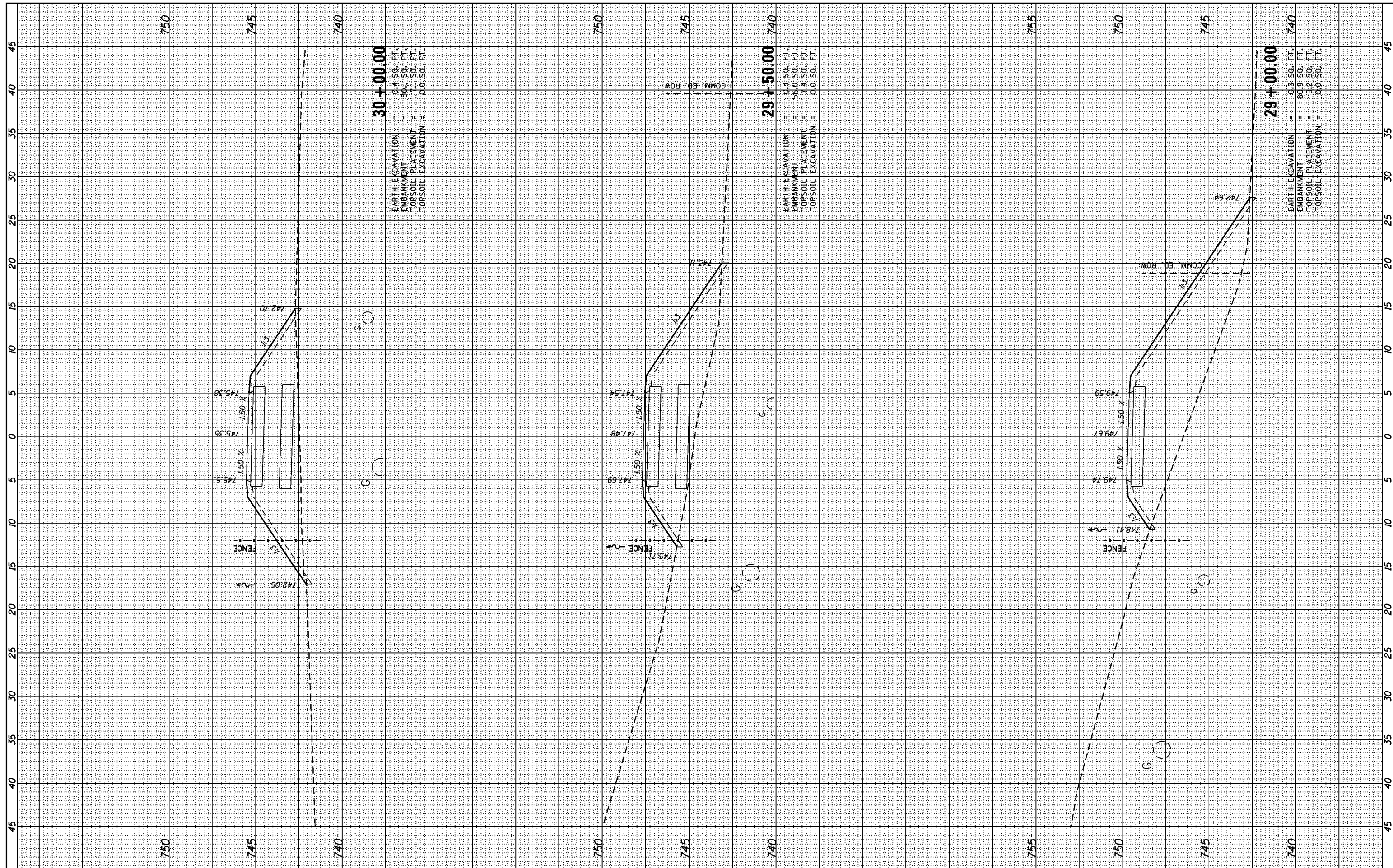
**CROSS SECTIONS
 GRAND ILLINOIS TRAIL**

SCALE: SHEET OF SHEETS STA. 27+50.00 TO STA. 28+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MORaine HILLS - MCHENRY/LAKE	SEGMENT - WEST SECTION	MCHENRY	75	63
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



30+00.00
 EARTH EXCAVATION = 0.4 SO. FT.
 EMBANKMENT = 50.1 SO. FT.
 TOPSOIL PLACEMENT = 1.1 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

29+50.00
 EARTH EXCAVATION = 0.3 SO. FT.
 EMBANKMENT = 58.0 SO. FT.
 TOPSOIL PLACEMENT = 1.3 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

29+00.00
 EARTH EXCAVATION = 0.3 SO. FT.
 EMBANKMENT = 80.9 SO. FT.
 TOPSOIL PLACEMENT = 1.2 SO. FT.
 TOPSOIL EXCAVATION = 0.0 SO. FT.

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USER NAME = Kristin Timmons
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

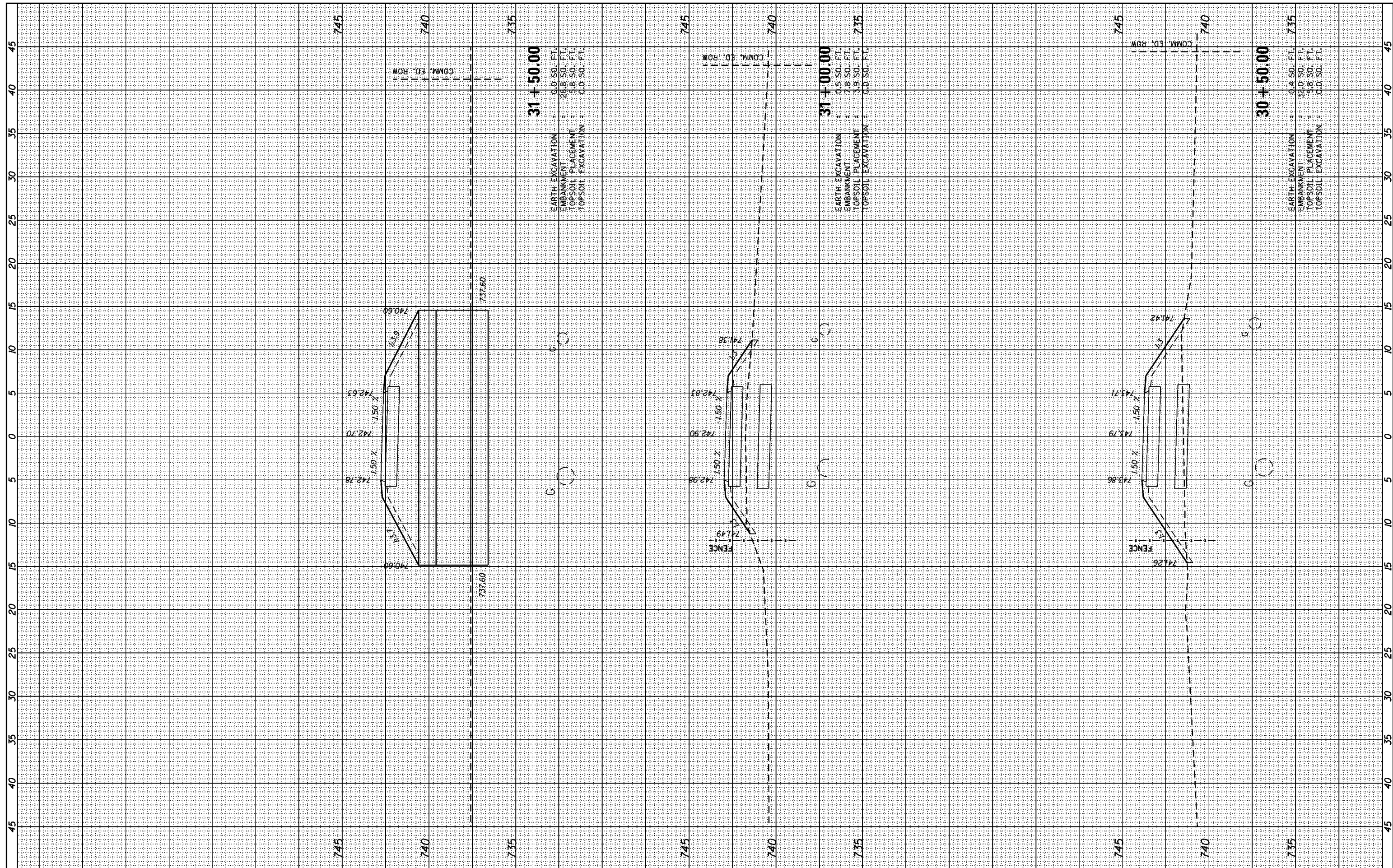
CROSS SECTIONS
 GRAND ILLINOIS TRAIL

SCALE: SHEET OF SHEETS STA. 29+00.00 TO STA. 30+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	64
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



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DATE -	REVISIONS

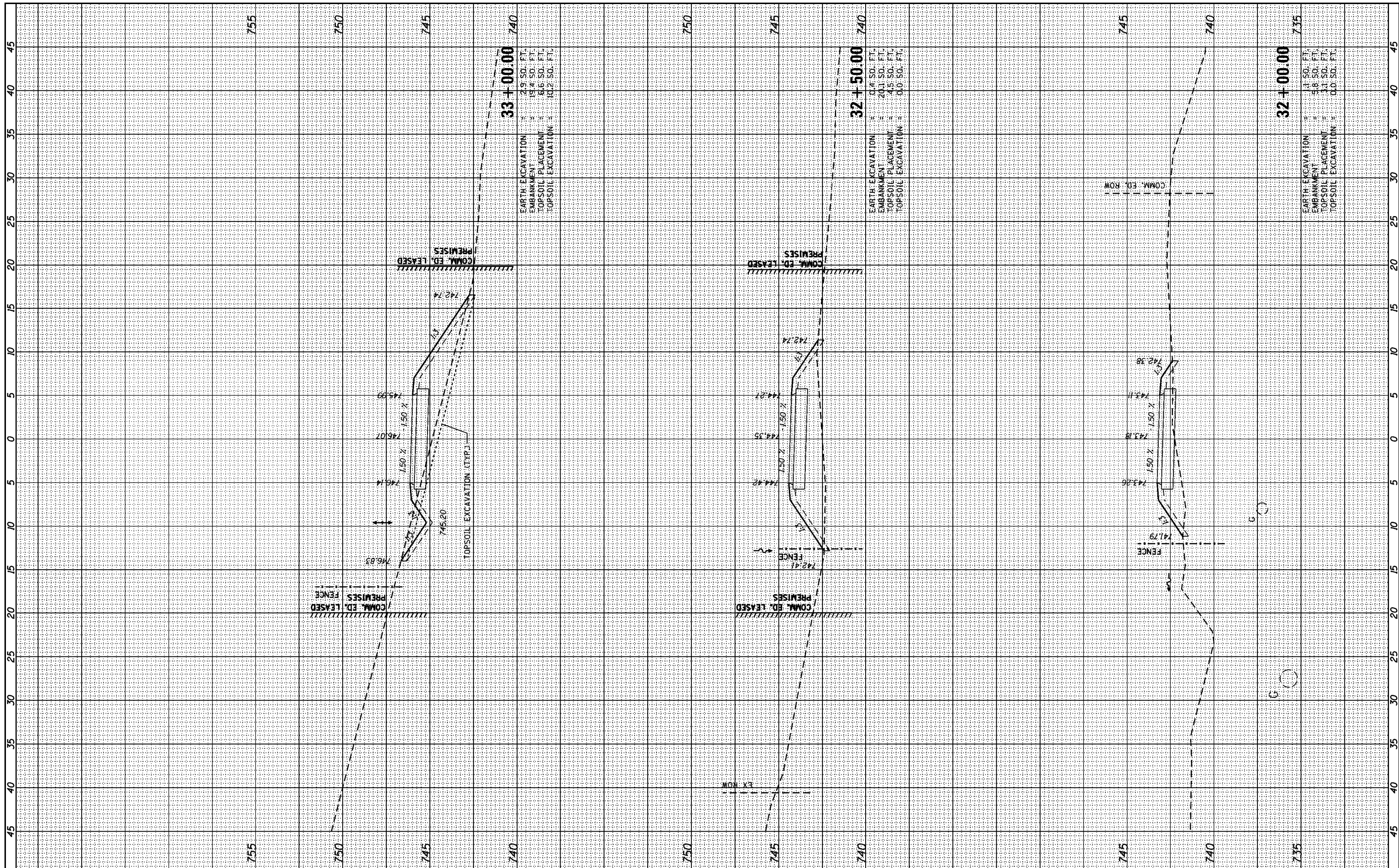
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 30+50.00 TO STA. 31+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	65
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



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CHECKED -	REVISIED -
DATE -	REVISIED -

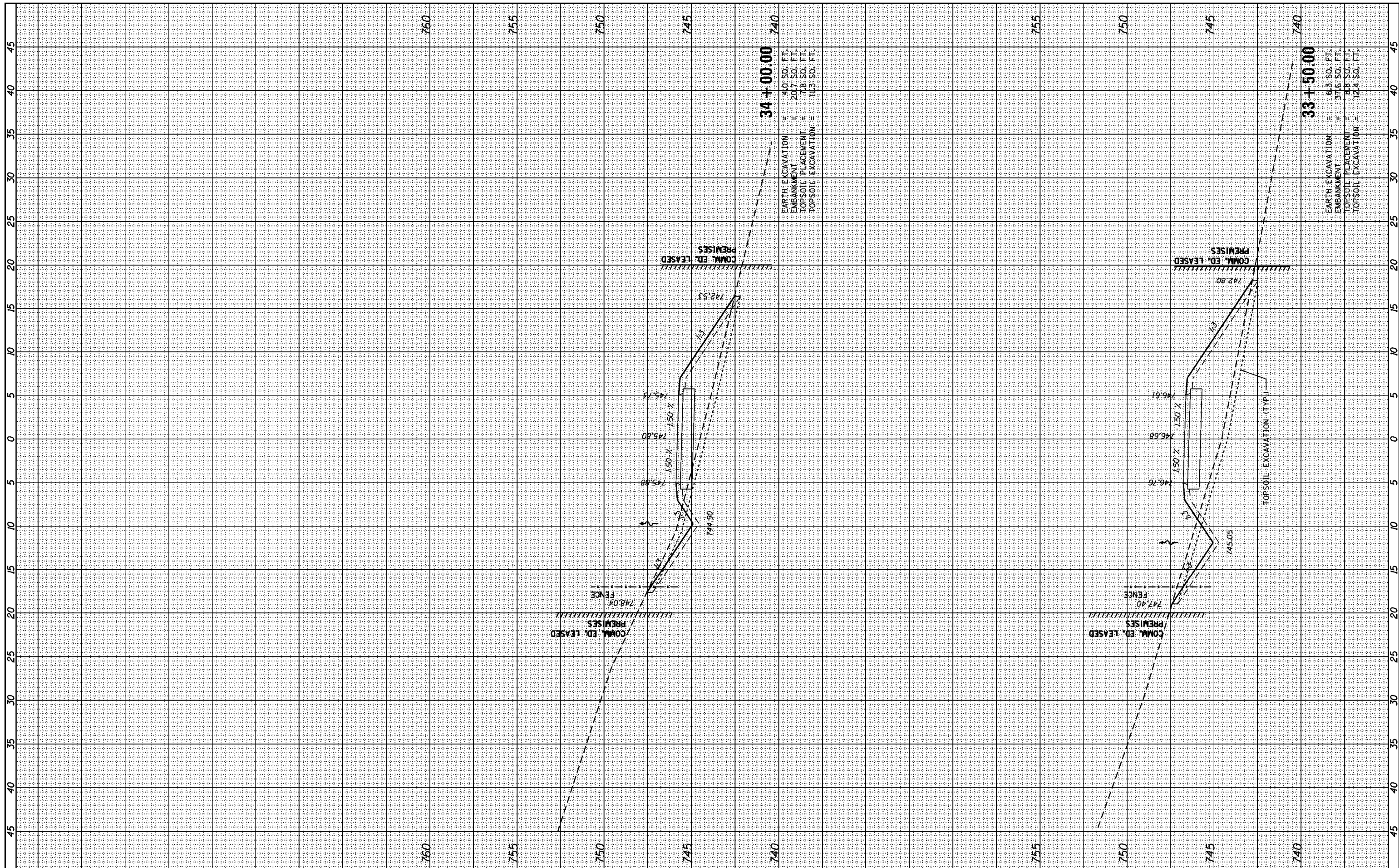
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 32+00.00 TO STA. 33+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORaine HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	66
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



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 PLOT DATE = 8/29/2014

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DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

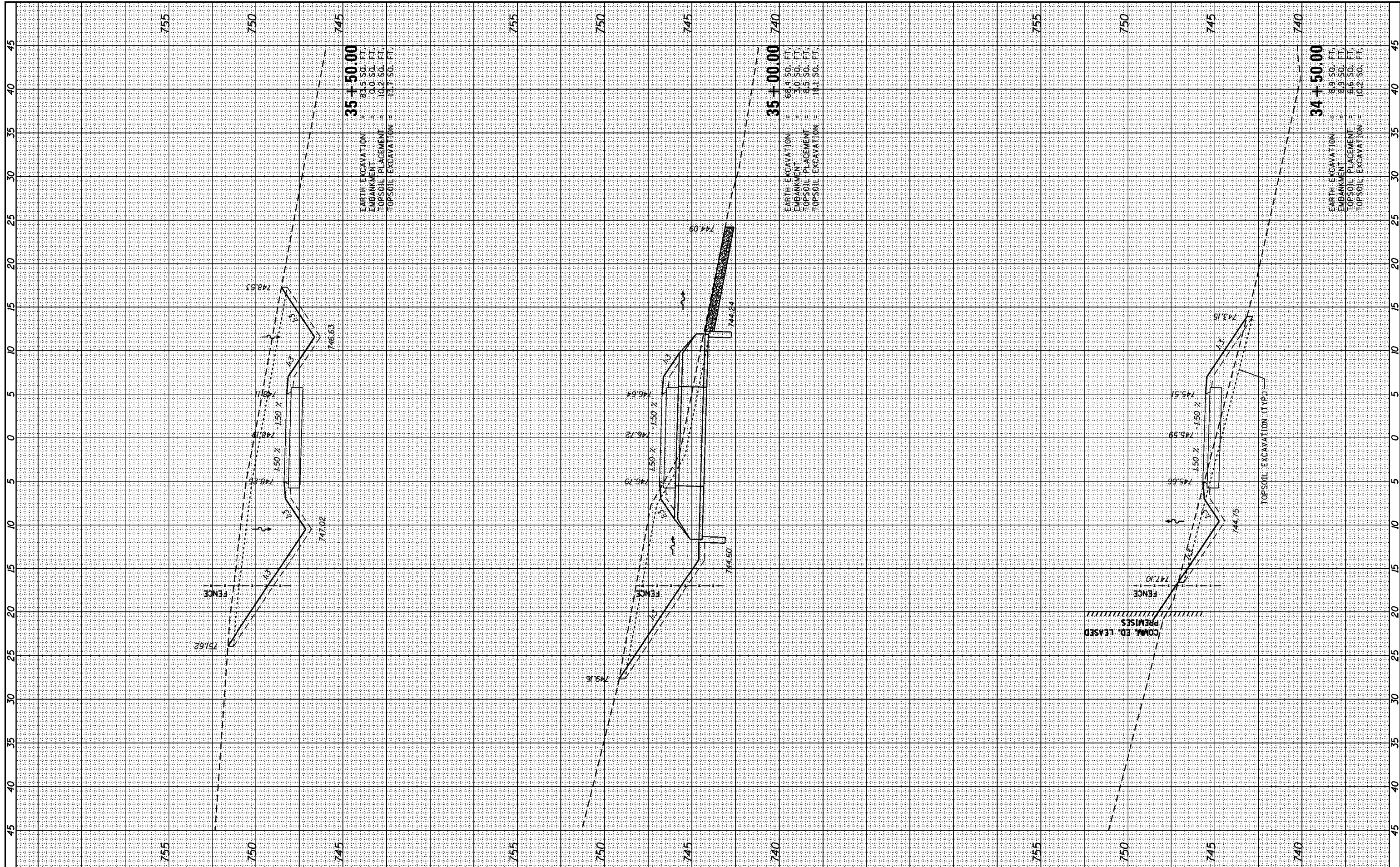
SCALE:	SHEET	OF	SHEETS	STA. 33+50.00	TO	STA. 34+00.00
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**CROSS SECTIONS
 GRAND ILLINOIS TRAIL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	67
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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 PLOT DATE = 8/29/2014

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DATE	-	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

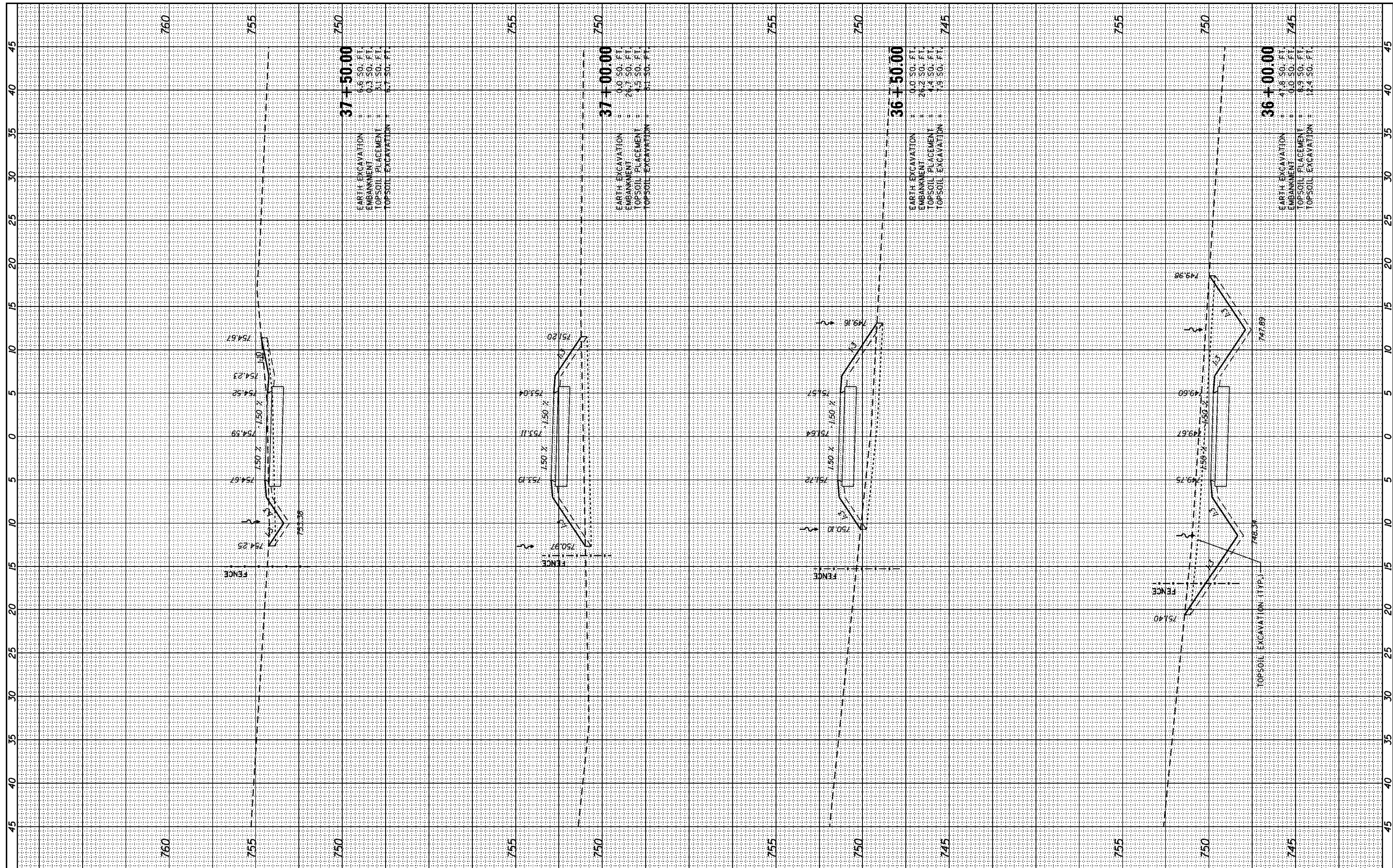
CROSS SECTIONS
 GRAND ILLINOIS TRAIL

SCALE: SHEET OF SHEETS STA. 34+50.00 TO STA. 35+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MORaine HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION		MCHENRY	75	68
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



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DATE -	REVISIED -

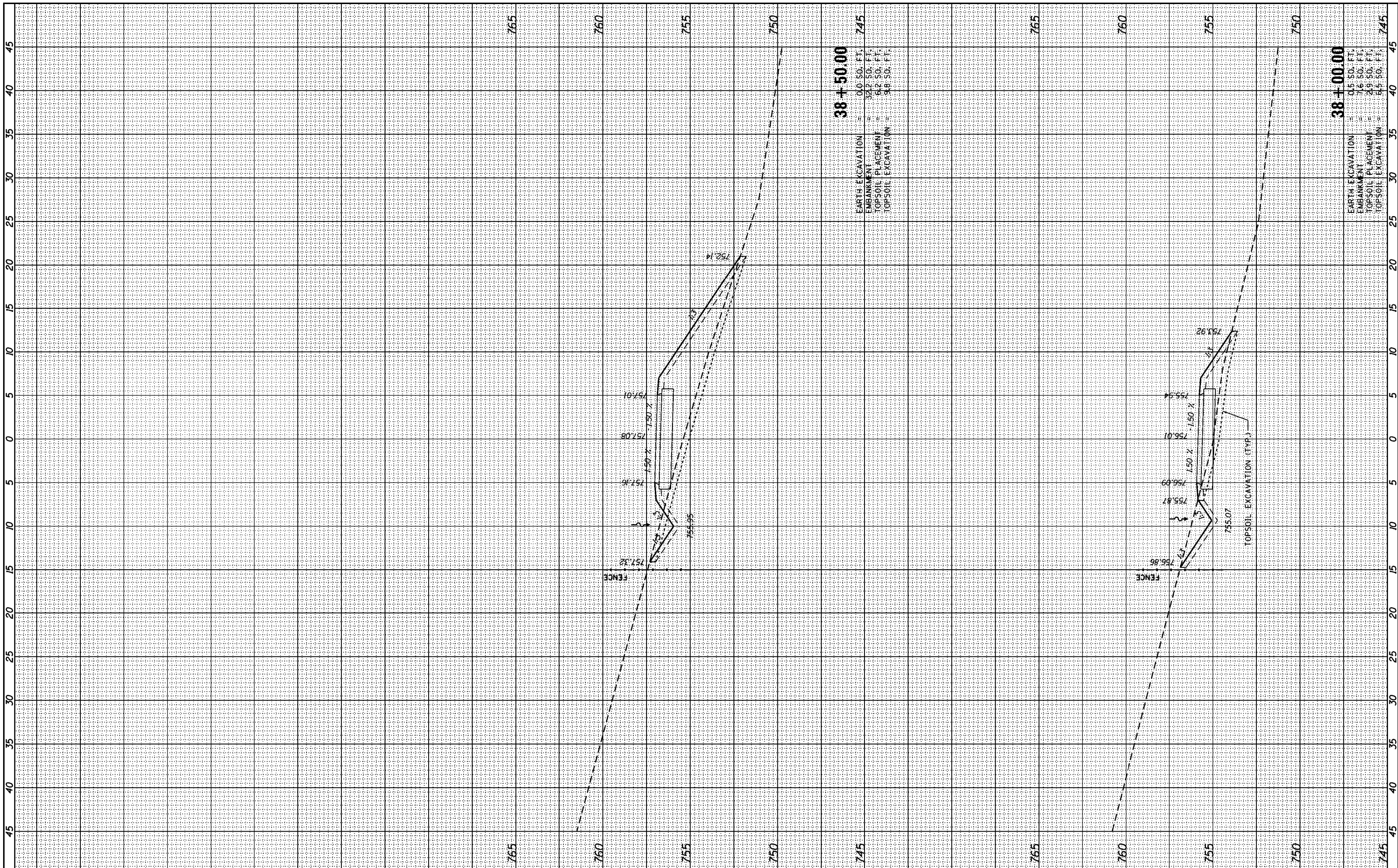
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 36+00.00 TO STA. 37+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORaine HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	69
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



38+50.00
 EARTH EXCAVATION = 0.0 SQ. FT.
 EMBANKMENT = 32.2 SQ. FT.
 TOPSOIL PLACEMENT = 6.2 SQ. FT.
 TOPSOIL EXCAVATION = 98.0 SQ. FT.

38+00.00
 EARTH EXCAVATION = 0.5 SQ. FT.
 EMBANKMENT = 16.0 SQ. FT.
 TOPSOIL PLACEMENT = 2.9 SQ. FT.
 TOPSOIL EXCAVATION = 5.5 SQ. FT.

FILE NAME = L:\1001\1206601\Draw\CADD_Sheets\DI_sht_XSC.dgn

USER NAME = Kristin Timmons
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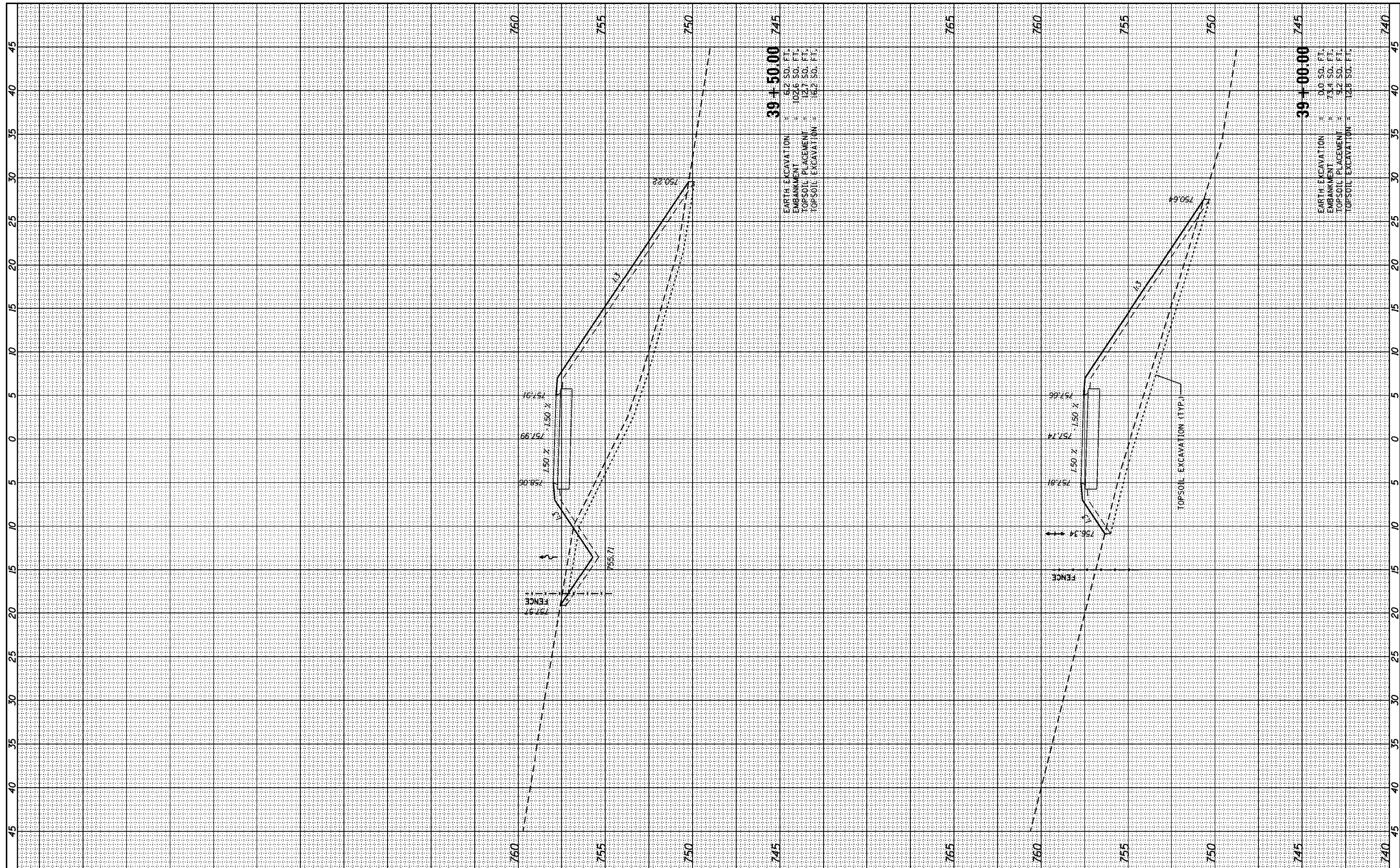
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 38+00.00 TO STA. 38+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY LAKE SEGMENT - WEST SECTION	MCHENRY	75	70
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	



39+50.00 745
 EARTH EXCAVATION = 5.2 SQ. FT.
 EMBANKMENT = 102.6 SQ. FT.
 TOPSOIL PLACEMENT = 12.7 SQ. FT.
 TOPSOIL EXCAVATION = 16.2 SQ. FT.

39+00.00 745
 EARTH EXCAVATION = 0.0 SQ. FT.
 EMBANKMENT = 73.4 SQ. FT.
 TOPSOIL PLACEMENT = 5.2 SQ. FT.
 TOPSOIL EXCAVATION = 12.8 SQ. FT.

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USER NAME = Kristin Timmons
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2014

DESIGNED -
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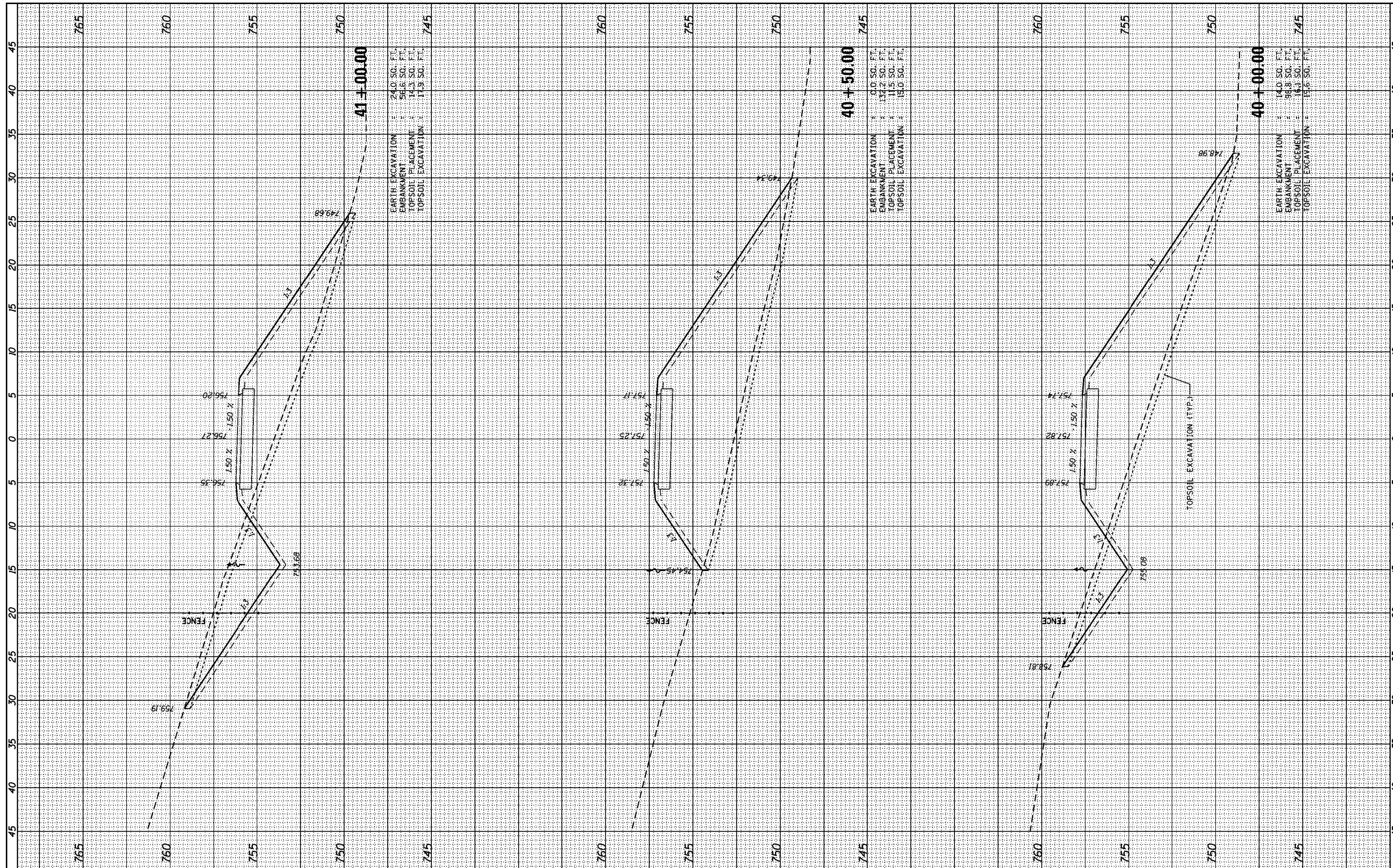
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 39+00.00 TO STA. 39+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAIN HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	71
CONTRACT NO. 46343				
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		



EARTH EXCAVATION = 24.0 SQ. FT.
 EMBANKMENT = 56.6 SQ. FT.
 TOPSOIL PLACEMENT = 14.3 SQ. FT.
 TOPSOIL EXCAVATION = 17.9 SQ. FT.

EARTH EXCAVATION = 10.0 SQ. FT.
 EMBANKMENT = 132.2 SQ. FT.
 TOPSOIL PLACEMENT = 11.5 SQ. FT.
 TOPSOIL EXCAVATION = 15.0 SQ. FT.

EARTH EXCAVATION = 14.0 SQ. FT.
 EMBANKMENT = 98.8 SQ. FT.
 TOPSOIL PLACEMENT = 16.1 SQ. FT.
 TOPSOIL EXCAVATION = 19.6 SQ. FT.

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 USER NAME = Kristin Timmons
 PLOT SCALE = 10.0000 / in.
 PLOT DATE = 8/29/2014

DESIGNED -	REVISÉ -
DRAWN -	REVISÉ -
CHECKED -	REVISÉ -
DATE -	REVISÉ -

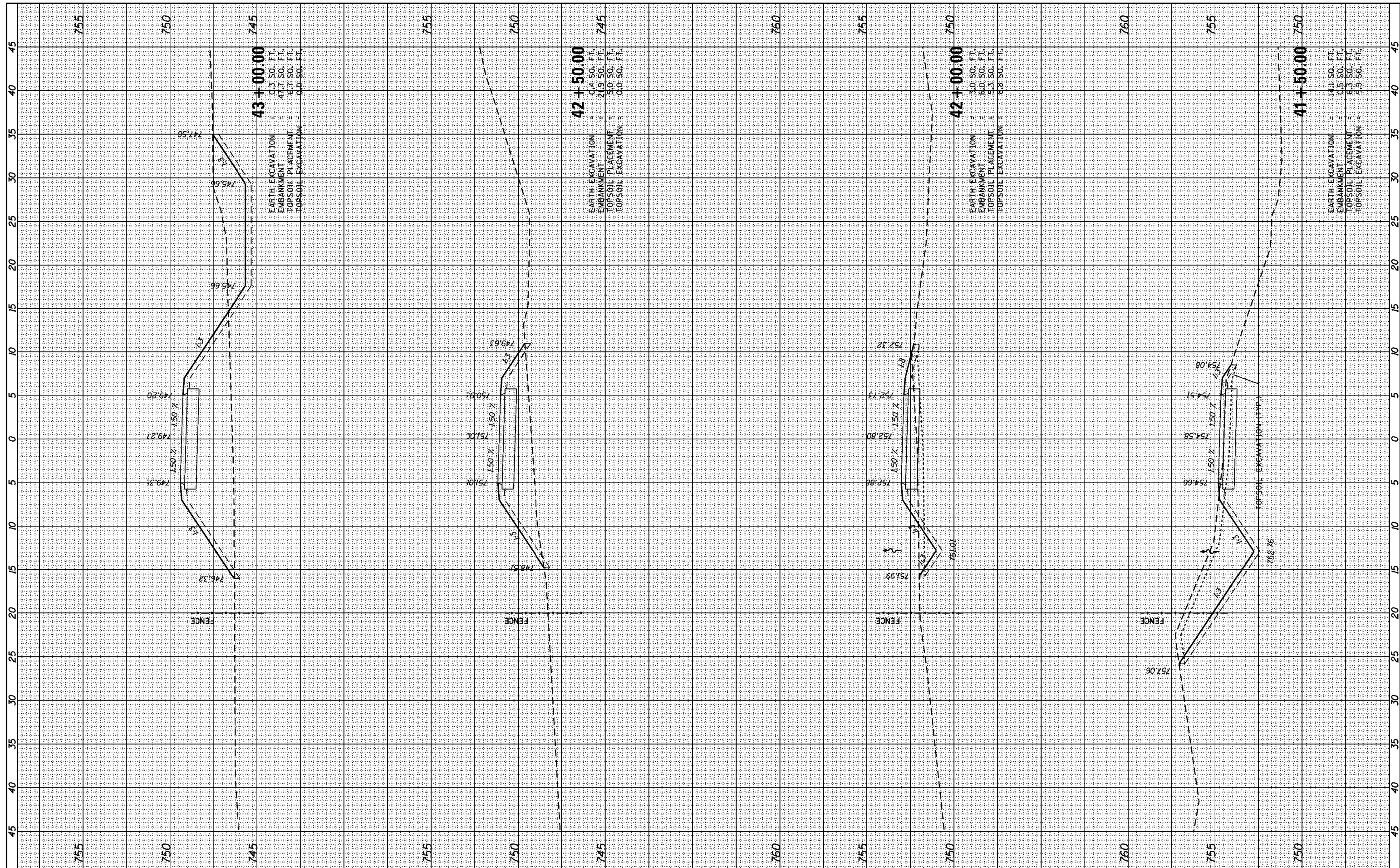
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 40+00.00 TO STA. 41+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINÉ HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	72
			CONTRACT NO. 46343	
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	DATE



FILE NAME = L:\1001\1206601\Draw\CADD_Sheets\DI_sht XSC.dgn
 USER NAME = Kristin Timmons

DESIGNED -	REVISIONS
DRAWN -	REVISIONS
CHECKED -	REVISIONS
DATE -	REVISIONS

DESIGNED -	REVISIONS
DRAWN -	REVISIONS
CHECKED -	REVISIONS
DATE -	REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

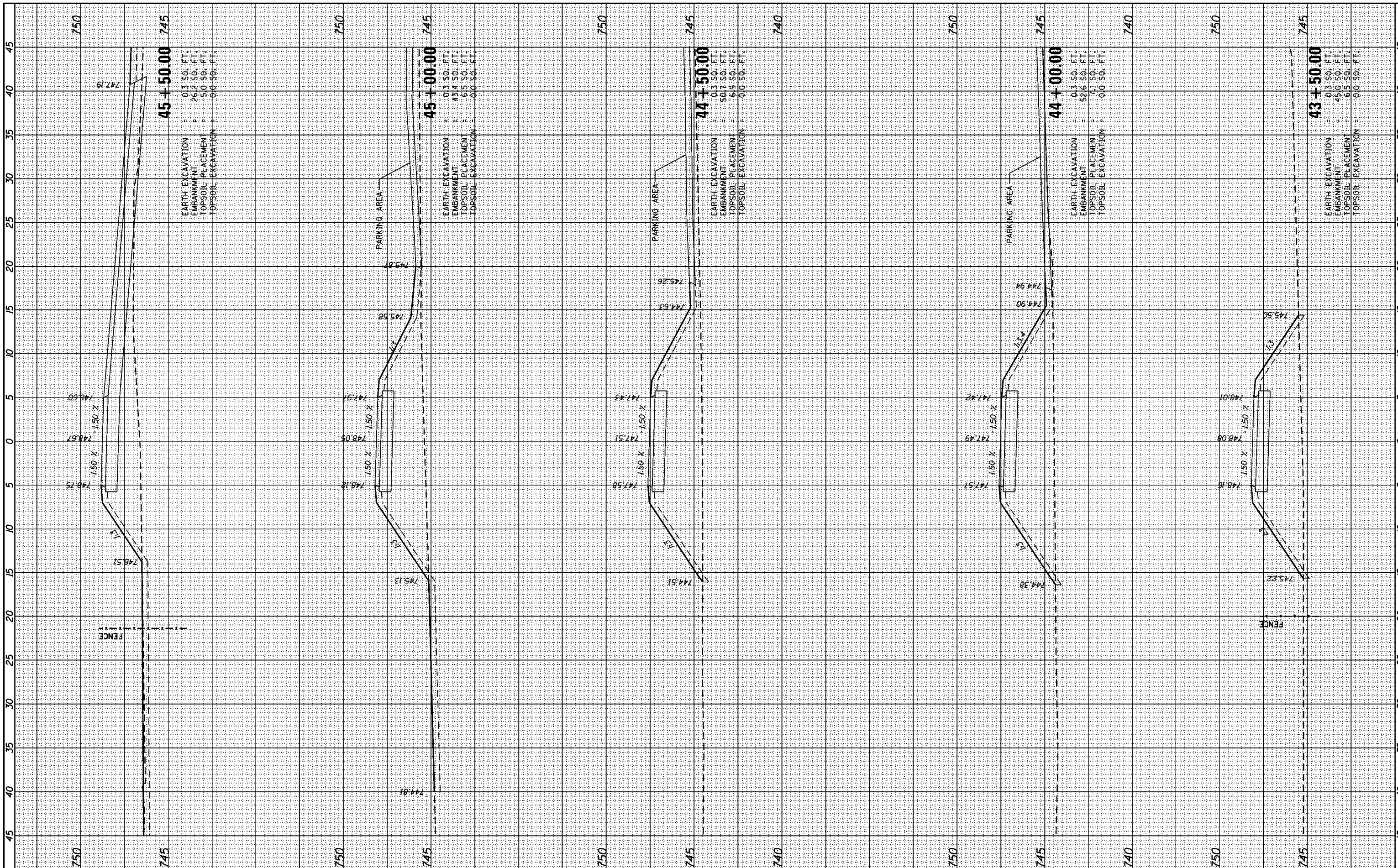
SCALE:	SHEET	OF	SHEETS	STA. 41+50.00	TO STA. 43+00.00
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CROSS SECTIONS
 GRAND ILLINOIS TRAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORaine HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	73
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



45+50.00
 EARTH EXCAVATION = 0.3 SQ. FT.
 EMBANKMENT = 26.2 SQ. FT.
 TOPSOIL PLACEMENT = 5.0 SQ. FT.
 TOPSOIL EXCAVATION = 0.0 SQ. FT.

45+00.00
 EARTH EXCAVATION = 0.3 SQ. FT.
 EMBANKMENT = 43.4 SQ. FT.
 TOPSOIL PLACEMENT = 6.5 SQ. FT.
 TOPSOIL EXCAVATION = 0.0 SQ. FT.

44+50.00
 EARTH EXCAVATION = 0.3 SQ. FT.
 EMBANKMENT = 50.7 SQ. FT.
 TOPSOIL PLACEMENT = 6.5 SQ. FT.
 TOPSOIL EXCAVATION = 0.0 SQ. FT.

44+00.00
 EARTH EXCAVATION = 0.3 SQ. FT.
 EMBANKMENT = 52.6 SQ. FT.
 TOPSOIL PLACEMENT = 7.1 SQ. FT.
 TOPSOIL EXCAVATION = 0.0 SQ. FT.

43+50.00
 EARTH EXCAVATION = 0.3 SQ. FT.
 EMBANKMENT = 45.0 SQ. FT.
 TOPSOIL PLACEMENT = 6.5 SQ. FT.
 TOPSOIL EXCAVATION = 0.0 SQ. FT.

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USER NAME = Kristin Timmons
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 8/29/2014

DESIGNED -
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 DATE -

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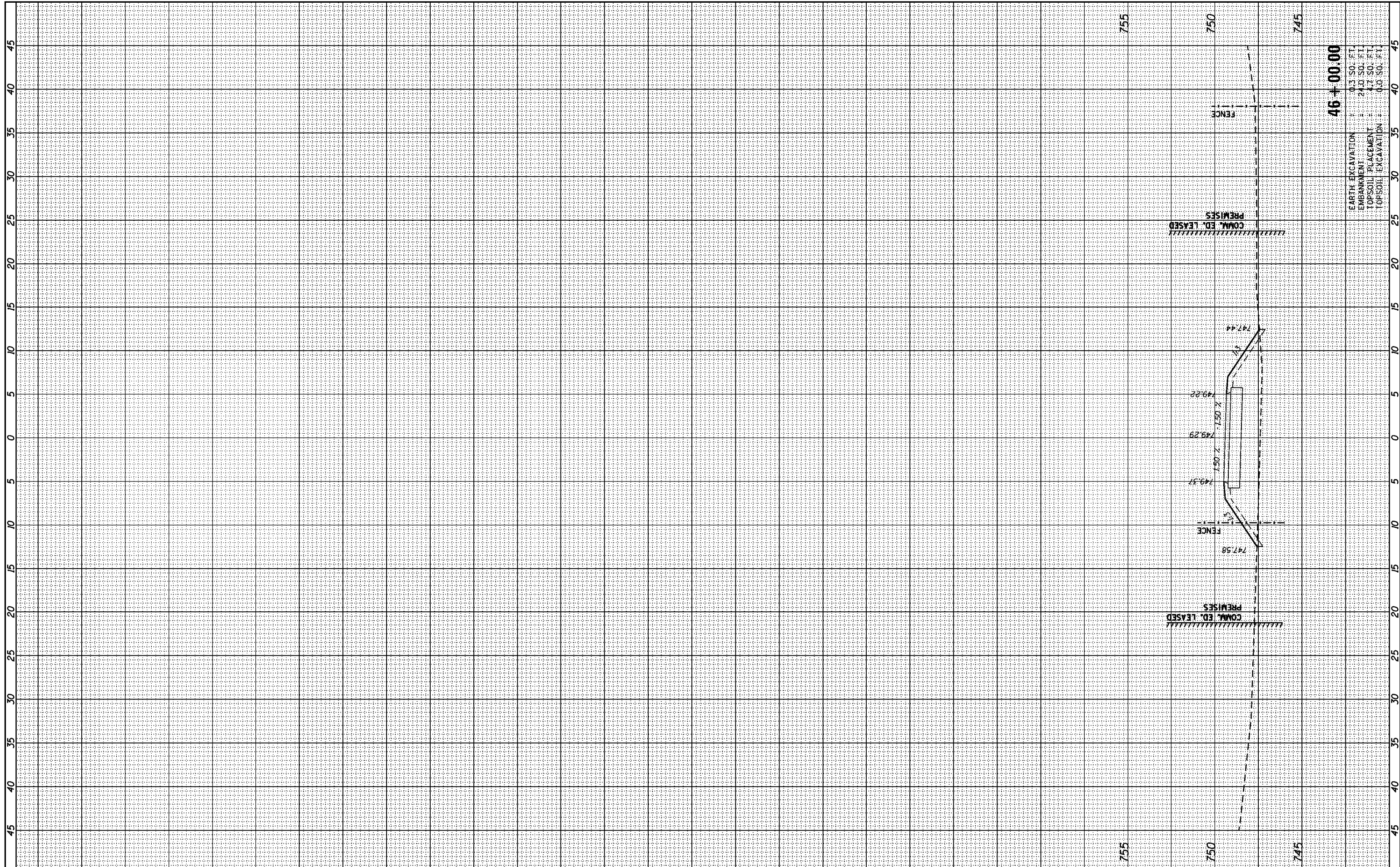
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GRAND ILLINOIS TRAIL
 SCALE: SHEET OF SHEETS STA. 43+05.00 45+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MORaine HILLS - McHENRY/LAKE	SEGMENT - WEST SECTION	McHENRY	75	74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46343	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	



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USER NAME = Kristin Timmons	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
GRAND ILLINOIS TRAIL	
SCALE:	SHEET OF SHEETS STA. 46+00.00 TO STA. 46+53.98

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	MORAINES HILLS - MCHENRY/LAKE SEGMENT - WEST SECTION	MCHENRY	75	75
CONTRACT NO. 46343			ILLINOIS FED. AID PROJECT	

46+00.00

EARTH EXCAVATION	= 0.3 SQ. FT.
EMBANKMENT	= 24.0 SQ. FT.
TOPSOIL PLACEMENT	= 47.5 SQ. FT.
TOPSOIL EXCAVATION	= 0.0 SQ. FT.