

11-08-2019 LETTING ITEM 071

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.L. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	McHENRY	51	1
FED. ROAD DIST. NO 1		ILLINOIS	CONTRACT NO. 61F99	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

TRAFFIC DATA

ADT: LILY LAKE ROAD 2017 TRAFFIC
1,600 VPD

ROADWAY	SPEED POSTED	DESIGN SPEED
LILY LAKE ROAD	40 MPH	40 MPH

DESIGN DESIGNATION

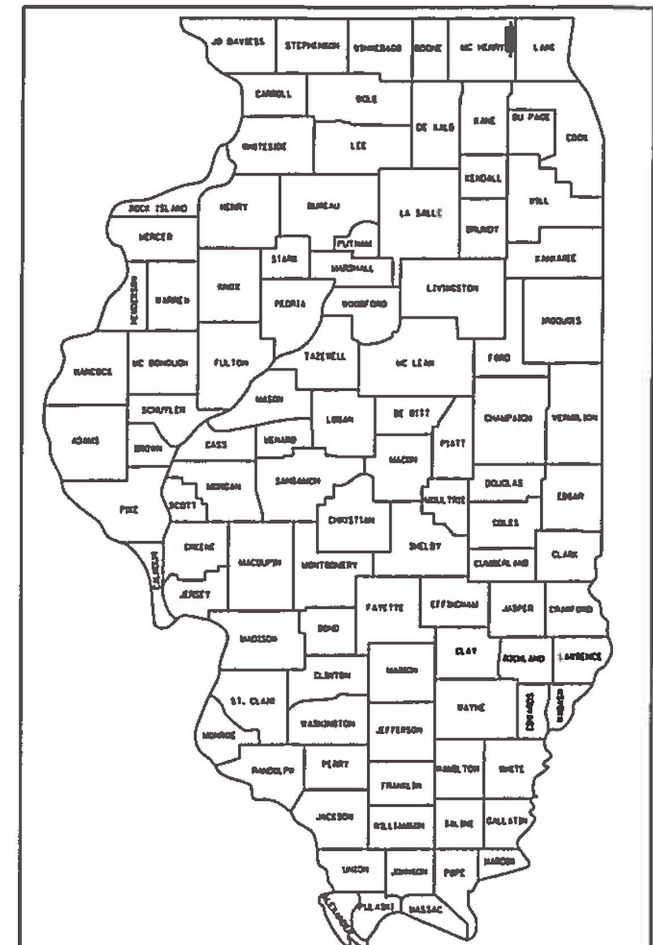
FAU 3858 (LILY LAKE ROAD) - MAJOR COLLECTOR

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 3858 (LILY LAKE ROAD) FROM WEGNER ROAD TO RIVER ROAD ROADWAY AND SAFETY IMPROVEMENTS

SECTION NO.: 17-14172-01-SP PROJECT NO.: IXLX (567) NUNDA TOWNSHIP McHENRY COUNTY C-91-179-17

PROJECT LOCATION MAP
McHENRY COUNTY, ILLINOIS
N.T.S.



LOCATION OF SECTION INDICATED THIS: - [Symbol] -

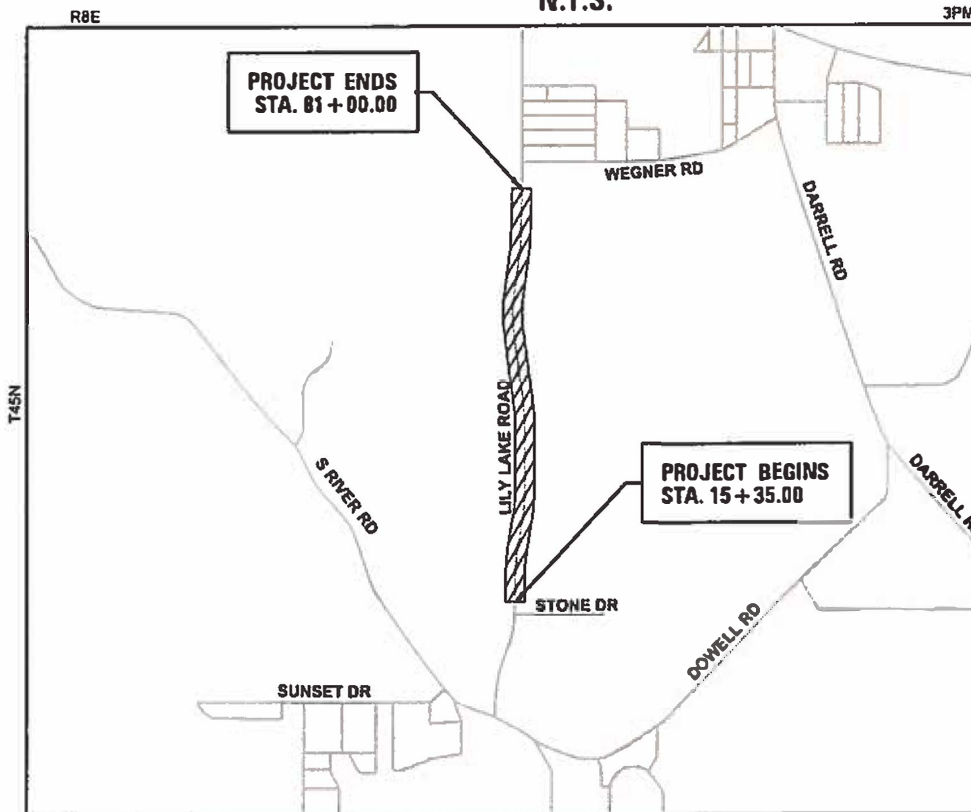
J.U.L.I.E.
JOINT
UTILITY
LOCATION
INFORMATION FOR
EXCAVATION
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FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



SEAL
B. D. Hartman
BENJAMIN D. HARTMAN, P.E.
EXPIRES: 11-30-19

PROJECT ENGINEER: B. HARTMAN
PROJECT MANAGER: A. CHAUDHRY
CONTRACT NO. 61F99

PROJECT LENGTH
NET AND GROSS LENGTH OF PROJECT = 6,565 FT. = 1.243 MILES



420 NORTH FRONT STREET, SUITE 100 | McHENRY, ILLINOIS 60050
Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *7-23-2019*
Mike Stroppe
HIGHWAY COMMISSIONER, NUNDA TOWNSHIP

PASSED *8-28-2019*
Steve McQuinn
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW *August 28 2019*
Anthony J. Deming
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

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

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

INDEX OF SHEETS

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STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542401-03	METAL FLARED END SECTIONS FOR PIPE CULVERTS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE DETAILS

STANDARD NO.	LIST OF DESCRIPTION
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-gbr-01.dgn
 FILE NAME: 160444-srt-gbr-01.dgn
 PEN TABLE: 160444.tbl



USER NAME = bhartha	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND STATE STANDARDS
 LILY LAKE ROAD

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	2
CONTRACT NO.			61F99	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

- ALL REFERENCES TO STANDARD SPECIFICATIONS IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALL REFERENCES TO THE ENGINEER SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT THEM TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
- SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS AND SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE IN THE PORTION REMAINING.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.

EARTHWORK

- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

STORM SEWERS, SANITARY SEWER, AND UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- DRIVEWAY PIPE CULVERT MATERIAL SHALL BE ALUMINIZED STEEL PIPE ARCH OF THE PLAN SPECIFIED DIAMETER.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY THE EXISTING DRAINAGE FACILITIES.

- THE INDISCRIMINATE USE OF FIRE HYDRANTS, EXISTING STREAMS, CREEKS, WETLANDS, OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE CONTRACTOR PRIOR TO THE USE OF THE WATER.

SIGNING AND STRIPING

- SEE IDOT DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING FRESH OIL SIGNS (48 IN X 48 IN MINIMUM) AS NEEDED FOR THE PROJECT. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SIGNS IN THE PARKWAY TWENTY-FOUR (24) HOURS PRIOR TO STARTING WORK. THE SIGNS SHALL READ FRESH OIL, TRAVEL AT YOUR OWN RISK. THE CONTRACTOR SHALL REMOVE THE SIGNS AND REINSTALL THEM AS NEEDED.

SEDIMENTATION AND EROSION CONTROL

- CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE ILLINOIS URBAN MANUAL (WWW.AISWCD.ORG/IUM) UNLESS STATED OTHERWISE.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL STABILIZATION IS ACHIEVED.
- SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.
- NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.
- OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.
- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.
- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW: A) WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; AND B) IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.
- DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKED IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR AN EQUIVALENT CONTROL MEASURE.
- PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.
- THE STORMWATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.
- IF DEWATERING SERVICES ARE USED, DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP OR AN EQUIVALENT CONTROL MEASURE). THE ENFORCEMENT OFFICER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OF THE DEVELOPMENT SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.

- STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN IWMC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.
- EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO: A) MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER; AND B) MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.
- ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE APPLICANT SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL, OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
- THE ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL OR ALTERNATE SOIL EROSION AND SEDIMENT CONTROL MEASURES, BASED ON DEVELOPMENT SITE SPECIFIC CONSIDERATIONS AND THE EFFECTIVENESS OF THE INSTALLED CONTROL MEASURES.
- TEMPORARY EROSION CONTROL SEEDING WILL BE UTILIZED WHERE THE AREA IS NOT READY FOR PERMANENT SEEDING BUT NEEDED FOR TEMPORARY STABILIZATION.

SUGGESTED SEQUENCE OF CONSTRUCTION

- INSTALL PERIMETER EROSION BARRIER (PEB) AT LOCATIONS THAT WILL BE IMPACTED BY CONSTRUCTION. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL AND MAINTAIN PEB AS INDICATED ON THE PLANS PRIOR TO BEGINNING ANY CONSTRUCTION
- INSTALL DETOUR SIGNAGE AND CLOSE ROADWAY TO THRU TRAFFIC. MAINTAIN LOCAL ACCESS TO DRIVEWAYS.
- PERFORM EARTHWORK AND PAVEMENT REMOVAL OPERATION AND RELATED ITEMS
- INITIAL HOT-MIX ASPHALT BINDER COURSE TO BE INSTALLED PER PROPOSED SUPERELEVATION DETAILS
- HOT-MIX ASPHALT BINDER COURSE (2-1/4 IN THICKNESS) TO BE PLACED ALONG ENTIRE WIDTH OF PAVEMENT
- HOT-MIX ASPHALT SURFACE COURSE TO BE PLACED ALONG ENTIRE WIDTH OF PAVEMENT
- PROPOSED SHOULDERS AND DITCHES TO BE INSTALLED AND GRADED AS INDICATED ON THE TYPICAL SECTION AND CROSS SECTION SHEETS
- INSTALL FINAL SEEDING ON FINAL GRADED EARTH. THE SEEDING SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OR CESSATION OF DISTURBANCE FOR 14 DAYS, AND THE INSTALLATION SHALL BE COMPLETED BY THE 14TH DAY AFTER NO DISTURBANCE
- PERFORM ONGOING MAINTENANCE OF EROSION CONTROL DEVICES

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	ALIGNED	
	CHECKED	
	BY	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	
	NOTATIONS	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-gbr-02.dgn
 FILE NAME: 160444-srt-gbr-02.dgn
 PEN TABLE: pof160444.tbl



USER NAME = bhar-ta	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
 LILY LAKE ROAD**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F99	

PLAN	SURVEYED	DATE
	ALIGNED	
NOTE BOOK NO.	CHECKED	BY
	PRT. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PROCESSED	
NOTE BOOK NO.	CHECKED	BY
	STRUCTURE NOTATIONS CHECKED	

HRG PROJECT NO.: 60444
 HRG PROJ. CONTACT: 60444-sht-sum.dgn
 FILE NAME: L_pdr_low.dircfg
 PLOT DRIVER: pdrTab01.tbl
 PEN TABLE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY HSIP 90% FED 10% TWP 0005
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	148	148
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	396	396
20200100	EARTH EXCAVATION	CU YD	10,928	10,928
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	2,718	2,718
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,327	2,327
+ 25000210	SEEDING, CLASS 2A	ACRE	3.50	3.50
+ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	315	315
+ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	315	315
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	329	329
28000305	TEMPORARY DITCH CHECKS	FOOT	450	450
28000400	PERIMETER EROSION BARRIER	FOOT	397	397
* 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100	100
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	11,860	11,860
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	24,461	24,461
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,447	2,447
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,563	1,563
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,247	1,247
44000100	PAVEMENT REMOVAL	SO YD	10,872	10,872
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	763	763
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SO YD	3,810	3,810
52200800	SEGMENTAL CONCRETE BLOCK WALL	SO FT	6,133	6,133
54262815	METAL FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 15"	EACH	8	8
542C5470	PIPE CULVERTS, CLASS C, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	160	160
67100100	MOBILIZATION	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,626	2,626
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	876	876
+ 72000100	SIGN PANEL - TYPE 1	SO FT	126	126
+ 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	90	90
+ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	266	266
+ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	26,260	26,260
+ X0324915	RELOCATE LIGHTING UNITS AND POLES	EACH	1	1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY HSIP 90% FED 10% TWP 0005
* + X2200020	FENCE REMOVAL AND REINSTALLATION	FOOT	1,225	1,225
* + X2511630	EROSION CONTROL BLANKET (SPECIAL)	SO YD	15,915	15,915
* X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	10	10
* X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
* Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SO YD	876	876
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
* Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	156	156
+ XX009335	STEEL-BACKED TIMBER GUARDRAIL	FOOT	421	421
+ XX009336	STEEL-BACKED TIMBER, TL-2 END TERMINAL	EACH	4	4

* SPECIAL PROVISION
 + SPECIALTY ITEM



USER NAME = bhartma	DESIGNED - BH	REVISED -
PLOT SCALE =	DRAWN - DMS	REVISED -
PLOT DATE = 8/26/2019	CHECKED - AC	REVISED -
	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

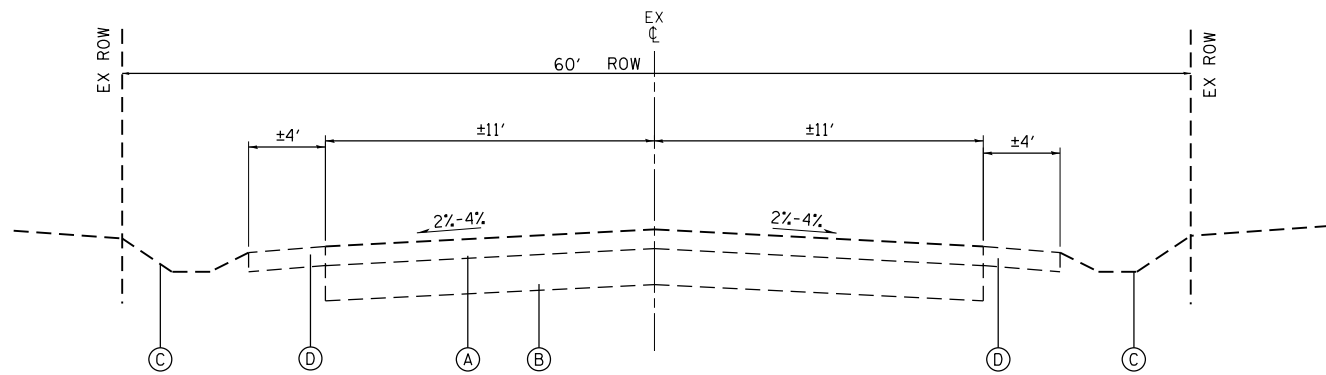
SUMMARY OF QUANTITIES
 LILY LAKE ROAD

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F99	

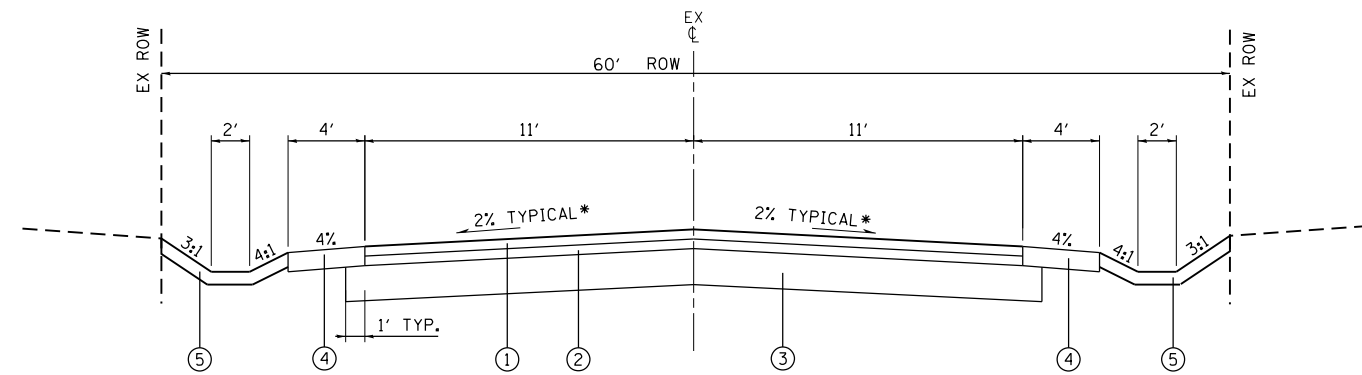
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIS	
	CHKD	
	NO.	



EXISTING TYPICAL SECTION

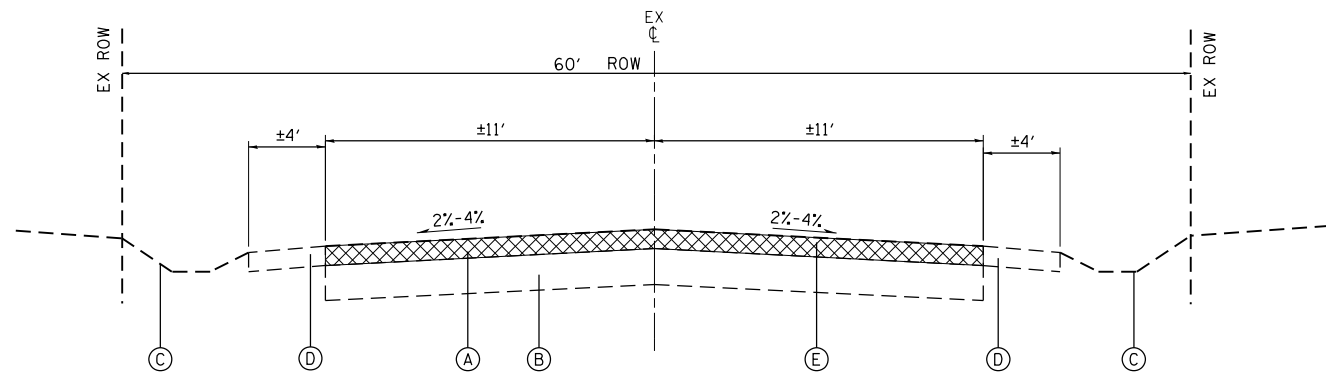
LILY LAKE ROAD
STA 15+35 TO STA 81+00



PROPOSED TYPICAL SECTION

LILY LAKE ROAD
STA 15+35 TO STA 21+00
STA 22+74.15 TO STA 31+35.17
STA 36+00 TO STA 39+19.51
STA 50+00 TO STA 63+80
STA 67+80 TO STA 81+00

* FOR SUPERELEVATION LOCATIONS AND DETAILS SEE "SUPERELEVATION TRANSITION" TABLE



EXISTING TYPICAL SECTION

LILY LAKE ROAD
STA 15+35 TO STA 21+00
STA 22+74.15 TO STA 31+35.17
STA 36+00 TO STA 39+19.51
STA 50+00 TO STA 63+80
STA 67+80 TO STA 81+00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RECONSTRUCTION	
HMA SURFACE COURSE, MIX "D", IL-9.5, N50	4% @ 50 GYR.
HMA BINDER COURSE, IL-19, N50	4% @ 50 GYR.
HMA DRIVEWAY PAVEMENT, 3"	
HMA SURFACE COURSE, MIX "D", N50; (IL-9.5mm); 3" (IN 2 LIFTS)	4% @ 50 GYR.

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

SUPERELEVATION TRANSITIONS							
STATION	SHLD WIDTH	ELEVATIONS AT LOCATIONS					SHLD WIDTH
		A	B	C	D	E	
NORMAL CROWN							
15+35.00	4	768.20	768.28	768.50	768.28	768.20	4
16+88.17	4	767.60	767.68	767.90	767.68	767.60	4
18+58.17	4	763.34	763.06	762.29	761.52	761.24	4
FULL SUPER							
19+30.49	4	759.75	759.47	758.70	757.93	757.65	4
21+00.49	4	752.50	752.58	752.80	752.58	752.50	4
NORMAL CROWN							
22+96.45	4	751.31	751.39	751.61	751.39	751.31	4
23+81.45	4	753.62	753.72	753.99	754.27	754.37	4
FULL SUPER							
29+00.64	4	759.14	759.24	759.51	759.79	759.89	4
29+85.64	4	758.13	758.21	758.43	758.21	758.13	4
NORMAL CROWN							
50+18.67	4	750.29	750.37	750.59	750.37	750.29	4
51+41.67	4	755.36	755.54	756.03	756.53	756.71	4
FULL SUPER							
53+21.74	4	761.24	761.42	761.91	762.41	762.59	4
54+15.93	4	761.71	761.81	762.08	762.36	762.46	4
55+00.93	4	762.15	762.25	762.52	762.80	762.90	4
FULL SUPER							
59+04.02	4	772.63	772.73	773.00	773.28	773.38	4
59+69.85	4	775.73	775.81	776.03	775.81	775.73	4
NORMAL CROWN							
61+21.85	4	781.74	781.50	780.84	780.18	779.94	4
FULL SUPER							
62+25.64	4	780.19	780.43	781.09	780.43	780.19	4
63+77.64	4	777.71	777.79	778.01	777.79	777.71	4
NORMAL CROWN							
69+67.69	4	781.53	781.61	781.83	781.61	781.53	4
70+90.69	4	782.52	782.34	781.84	781.35	781.17	4
FULL SUPER							
72+66.93	4	775.38	775.56	776.05	775.56	775.38	4
73+89.93	4	769.47	769.55	769.77	769.55	769.47	4
NORMAL CROWN							
74+72.18	4	766.86	766.94	767.16	766.61	766.41	4
76+05.18	4	764.57	764.77	765.32	765.87	766.07	4
FULL SUPER							
79+31.20	4	765.27	765.47	766.02	766.57	766.77	4
80+64.20	4	765.61	765.69	765.91	765.69	765.61	4
NORMAL CROWN							

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, 9"-12"
- (B) EXISTING AGGREGATE BASE COURSE, 6"-12"
- (C) EXISTING GROUND
- (D) EXISTING AGGREGATE SHOULDER
- (E) PAVEMENT REMOVAL

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/2"
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) AGGREGATE SHOULDER, TYPE B
- (5) TOPSOIL, 4 INCH SEEDING, CLASS 2A

HRG PROJECT NO.: 160444
HRG PROJ. CONTACT: 160444-srt-1-tp-01.dgn
FILE NUMBER: 160444-160444-160444
PEN TABLE: 160444-160444-160444



USER NAME = bharto	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED TYPICAL SECTIONS
LILY LAKE ROAD

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	5
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61F99	

PLAN	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	ALIGNED	
	FILE NAME	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE	
	NOTATRS CHKD	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-sch.dgn
 FILE NAME: 160444-srt-sch.dgn
 PEN TABLE: p01f06b01.d

EARTHWORK TABLE					
LOCATION		EARTH EXCAVATION (CU YD)	FILL (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (15% SHRINKAGE) (CU YD)	TOPSOIL EXC STRIP DEPTH = VAR 6" (CU YD)
FROM STA	TO STA				
15+50	16+00	57.3	4.4	44.4	15.0
16+00	16+50	174.7	0.4	148.1	23.1
16+50	17+00	346.1	1.5	292.7	26.5
17+00	17+50	466.5	2.9	393.6	24.8
17+50	18+00	463.3	1.9	391.9	21.9
18+00	18+50	348.1	0.4	295.6	23.4
18+50	19+00	187.2	3.5	155.6	24.3
19+00	19+50	59.0	15.4	34.8	19.5
19+50	20+00	7.1	22.5	-16.4	15.3
20+00	20+50	11.1	29.4	-20.0	13.0
20+50	21+00	15.3	23.4	-10.4	8.4
21+00	23+00	67.0	35.2	21.8	42.6
23+00	23+50	88.1	4.3	70.6	19.2
23+50	24+00	142.7	0.2	121.1	22.9
24+00	24+50	99.0	0.5	83.7	21.0
24+50	25+00	47.7	6.4	34.1	18.1
25+00	25+50	23.1	15.3	4.3	18.7
25+50	26+00	13.8	25.2	-13.5	14.5
26+00	26+50	9.6	25.8	-17.6	10.9
26+50	27+00	14.5	14.9	-2.6	11.1
27+00	27+50	79.5	6.6	61.0	18.1
27+50	28+00	146.4	1.6	122.9	26.3
28+00	28+50	199.2	0.0	169.3	26.9
28+50	29+00	293.3	0.1	249.2	27.3
29+00	29+50	336.7	0.1	286.1	26.9
29+50	30+00	296.3	0.0	251.9	24.6
30+00	30+50	181.9	1.0	153.6	20.8
30+50	31+00	55.2	17.6	29.3	16.9
31+00	36+00	304.6	186.1	72.8	177.8
36+00	36+50	101.4	2.1	84.1	21.4
36+50	37+00	153.0	0.1	129.9	21.6
37+00	37+50	147.4	0.1	125.2	22.4
37+50	38+00	111.5	0.2	94.6	21.9
38+00	38+50	57.0	4.5	43.9	16.1
38+50	39+00	19.9	11.5	5.4	8.9
39+00	50+00	407.4	234.3	112.0	287.2
50+00	50+50	49.8	10.7	31.6	20.1
50+50	51+00	80.1	11.4	56.7	20.2
51+00	51+50	114.5	5.6	91.7	22.1
51+50	51+94	210.4	2.4	176.4	20.5
51+94	52+00	42.4	0.3	35.7	2.7
52+00	52+50	525.6	2.8	444.0	26.9
52+50	53+00	670.4	2.8	567.0	30.4
53+00	53+10	125.6	0.6	106.2	5.9
53+10	53+50	394.4	2.2	333.1	24.0
53+50	54+00	275.1	2.9	231.0	27.3
54+00	54+50	100.8	9.4	76.4	23.4
54+50	55+00	26.7	19.3	3.4	21.8
55+00	55+50	11.8	24.9	-14.9	25.3
55+50	56+00	35.9	23.4	7.1	22.0

EARTHWORK TABLE					
LOCATION		EARTH EXCAVATION (CU YD)	FILL (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (15% SHRINKAGE) (CU YD)	TOPSOIL EXC STRIP DEPTH = VAR 6" (CU YD)
FROM STA	TO STA				
56+00	56+20	23.8	6.8	13.5	7.1
56+20	56+50	32.3	13.3	14.2	13.1
56+50	57+00	39.3	22.6	10.8	21.4
57+00	57+50	21.5	15.3	3.0	14.3
57+50	58+00	9.8	21.7	-13.3	13.4
58+00	58+50	4.5	38.1	-34.2	22.6
58+50	59+00	0.6	50.6	-50.2	19.9
59+00	59+50	0.0	63.8	-63.8	14.8
59+50	60+00	0.0	64.4	-64.4	14.5
60+00	60+50	22.7	28.3	-9.1	19.2
60+50	61+00	98.0	1.4	81.9	21.9
61+00	61+25	79.2	0.0	67.2	9.8
61+25	61+50	81.1	0.0	68.9	12.1
61+50	62+00	99.4	2.5	82.0	25.3
62+00	62+50	20.7	15.6	2.1	18.5
62+50	62+90	1.0	19.6	-18.7	12.1
62+90	63+00	0.2	4.4	-4.2	2.3
63+00	63+50	4.2	15.4	-11.8	5.5
63+50	68+00	88.3	99.2	-24.1	40.8
68+00	68+50	46.9	7.2	32.6	15.5
68+50	69+00	114.2	1.0	96.0	27.8
69+00	69+50	133.3	0.2	113.1	28.2
69+50	70+00	81.0	4.4	64.4	23.2
70+00	70+40	27.0	12.8	10.2	16.9
70+40	70+50	5.0	4.4	-0.1	4.5
70+50	71+00	70.2	10.3	49.4	23.1
71+00	71+50	234.4	2.9	196.4	26.1
71+50	72+00	303.3	5.6	252.3	27.0
72+00	72+50	206.6	8.3	167.3	26.1
72+50	73+00	174.3	13.8	134.3	25.5
73+00	73+50	116.9	12.1	87.2	24.9
73+50	74+00	31.0	7.8	18.6	20.9
74+00	74+50	23.2	7.1	12.6	17.9
74+50	75+00	41.8	5.9	29.6	21.4
75+00	75+50	37.8	10.1	22.0	19.1
75+50	76+00	16.9	21.6	-7.3	15.4
76+00	76+50	19.4	21.7	-5.1	13.0
76+50	76+75	16.7	5.1	9.1	8.2
76+75	77+00	18.9	4.5	11.6	10.3
77+00	77+50	23.0	20.1	-0.6	17.5
77+50	78+00	16.3	45.6	-31.7	21.3
78+00	78+50	24.2	61.2	-40.7	26.2
78+50	78+75	15.0	22.4	-9.7	12.9
78+75	79+00	23.0	8.5	11.1	10.8
79+00	79+50	87.8	2.0	72.6	22.5
79+50	80+00	107.5	0.5	90.9	25.6
80+00	80+50	65.8	1.4	54.6	21.9
80+50	81+00	23.7	7.4	12.7	12.4
SUB-TOTAL		10927.2	1636.5	7651.7	2326.8

ENTRANCES								
LOCATION		DESCRIPTION	WIDTH	PAVEMENT TYPE		HMA DVWY PVT (SQ YD)	DVWY CULVERTS	
STA	SIDE			EXIST	PROP		P	CUL
51+92	RT	PE	16	HMA	HMA	256	40	
53+08	RT	PE	12	HMA	HMA	146	20	
56+19	RT	PE	33	HMA	HMA	44		
61+22	RT	PE	33	HMA	HMA	76		
61+24	LT	PE	22	HMA	HMA	58	45	
61+90	LT	PE	24	HMA	HMA	51		
62+89	RT	PE	18	HMA	HMA	34		
70+40	LT	PE	24	HMA	HMA	54		
76+80	RT	PE	33	HMA	HMA	67		
78+76	LT	PE	38	HMA	HMA	90	55	
SUB-TOTAL						876	160	



USER NAME = bhar-tmo	DESIGNED - BH	REVISED -
PLOT SCALE =	DRAWN - DMS	REVISED -
PLOT DATE = 8/26/2019	CHECKED - AC	REVISED -
	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 LILY LAKE ROAD

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

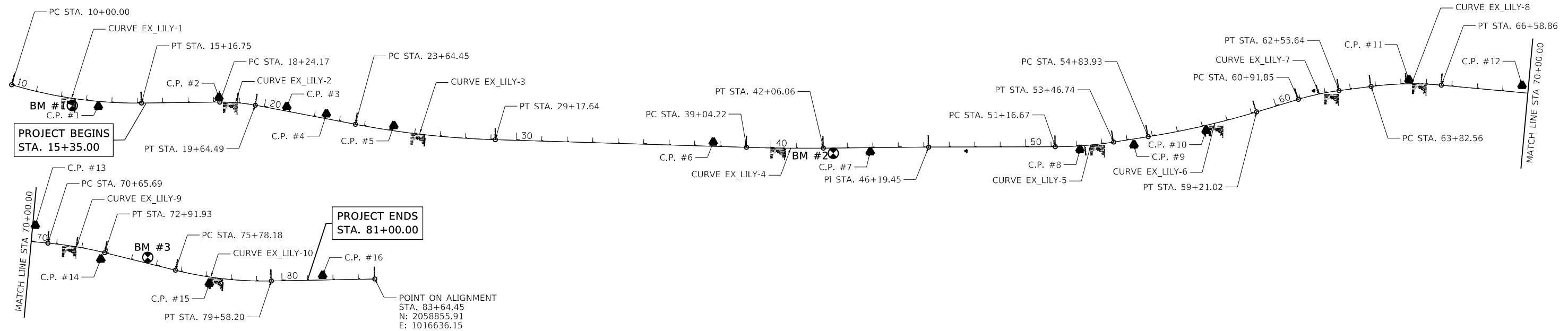
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F99	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	CARD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	NOTATRS CHKD
	NO.	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-179-01.dgn
 FILE NUMBER: 160444.ctb
 PEN TABLE: p01tbl.tbl

EXIST. CURVE EX_LILY-1 Δ = 17° 24' 59" (LT) D = 3° 22' 13" R = 1,700.00' T = 260.38' L = 516.75' E = 19.83' e = NC T.R. = _____ S.E. RUN = _____ P.C. STA. = 10+00.00 N: 2051554.47 E: 1016456.20 PI STA. = 12+60.38 N: 2051803.83 E: 1016531.16 P.T. STA. = 15+16.75 N: 2052043.89 E: 1016528.05	EXIST. CURVE EX_LILY-2 Δ = 11° 29' 07" (RT) D = 8° 11' 06" R = 700.00' T = 70.40' L = 140.32' E = 3.53' e = 7.0% T.R. = 28' S.E. RUN = 132' P.C. STA. = 18+24.17 N: 2052371.59 E: 1016524.38 PI STA. = 18+94.57 N: 2052441.98 E: 1016523.54 P.T. STA. = 19+64.49 N: 2052511.13 E: 1016536.73	EXIST. CURVE EX_LILY-3 Δ = 9° 03' 21" (LT) D = 1° 38' 13" R = 3,500.00' T = 277.17' L = 553.19' E = 10.96' e = 2.5% T.R. = 28' S.E. RUN = 47' P.C. STA. = 23+64.45 N: 2052904.01 E: 1016611.68 PI STA. = 26+41.62 N: 2053176.27 E: 1016663.62 P.T. STA. = 29+17.64 N: 2053453.31 E: 1016672.06	EXIST. CURVE EX_LILY-4 Δ = 2° 18' 21" (LT) D = 0° 45' 50" R = 7,500.00' T = 150.94' L = 301.84' E = 1.52' e = NC T.R. = _____ S.E. RUN = _____ P.C. STA. = 39+04.22 N: 2054439.43 E: 1016702.11 PI STA. = 40+55.16 N: 2054590.30 E: 1016706.70 P.T. STA. = 42+06.06 N: 2054741.24 E: 1016705.23	EXIST. CURVE EX_LILY-5 Δ = 8° 47' 17" (LT) D = 3° 49' 11" R = 1,500.00' T = 115.26' L = 230.07' E = 4.42' e = 4.5% T.R. = 28' S.E. RUN = 85' P.C. STA. = 51+16.67 N: 2055651.82 E: 1016699.75 PI STA. = 52+31.93 N: 2055767.08 E: 1016699.42 P.T. STA. = 53+46.74 N: 2055880.94 E: 1016681.49	EXIST. CURVE EX_LILY-6 Δ = 7° 49' 34" (LT) D = 1° 47' 26" R = 3,200.00' T = 218.88' L = 437.09' E = 7.48' e = 2.5% T.R. = 28' S.E. RUN = 47' P.C. STA. = 54+83.93 N: 2056016.46 E: 1016660.13 PI STA. = 57+02.82 N: 2056232.68 E: 1016626.07 P.T. STA. = 59+21.02 N: 2056442.25 E: 1016562.89	EXIST. CURVE EX_LILY-7 Δ = 9° 23' 03" (RT) D = 5° 43' 46" R = 1,000.00' T = 218.88' L = 163.79' E = 3.36' e = 6.0% T.R. = 28' S.E. RUN = 114' P.C. STA. = 60+91.85 N: 2056605.81 E: 1016479.31 PI STA. = 61+73.93 N: 2056684.39 E: 1016489.88 P.T. STA. = 62+55.64 N: 2056765.78 E: 1016479.31	EXIST. CURVE EX_LILY-8 Δ = 12° 39' 53" (RT) D = 4° 35' 01" R = 1,250.00' T = 138.71' L = 276.30' E = 7.67' e = 5.5% T.R. = 28' S.E. RUN = 104' P.C. STA. = 63+82.56 N: 2056891.65 E: 1016462.98 PI STA. = 65+21.28 N: 2057029.21 E: 1016445.13 P.T. STA. = 66+58.86 N: 2057167.34 E: 1016457.87	EXIST. CURVE EX_LILY-9 Δ = 8° 38' 30" (RT) D = 3° 49' 11" R = 1,500.00' T = 113.33' L = 226.24' E = 4.28' e = 4.5% T.R. = 28' S.E. RUN = 85' P.C. STA. = 70+65.69 N: 2057572.45 E: 1016495.24 PI STA. = 71+79.03 N: 2057685.30 E: 1016505.65 P.T. STA. = 72+91.93 N: 2057795.31 E: 1016532.90	EXIST. CURVE EX_LILY-10 Δ = 15° 00' 59" (LT) D = 3° 57' 05" R = 1,450.00' T = 191.11' L = 380.03' E = 12.54' e = 5.0% T.R. = 28' S.E. RUN = 95' P.C. STA. = 75+78.18 N: 2058073.17 E: 1016601.72 PI STA. = 77+69.29 N: 2058258.67 E: 1016647.67 P.T. STA. = 79+58.20 N: 2058449.74 E: 1016643.98
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BENCHMARKS

BENCHMARK 1: RAILROAD SPIKE IN SOUTHWEST FACE OF LIGHTPOLE.
ELEVATION = 768.89 (NAVD 88)

BENCHMARK 2: RAILROAD SPIKE IN WEST FACE OF LIGHTPOLE.
ELEVATION = 771.79 (NAVD 88)

BENCHMARK 3: RAILROAD SPIKE IN EAST FACE OF LIGHTPOLE.
ELEVATION = 769.26 (NAVD 88)



USER NAME = bhartm	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

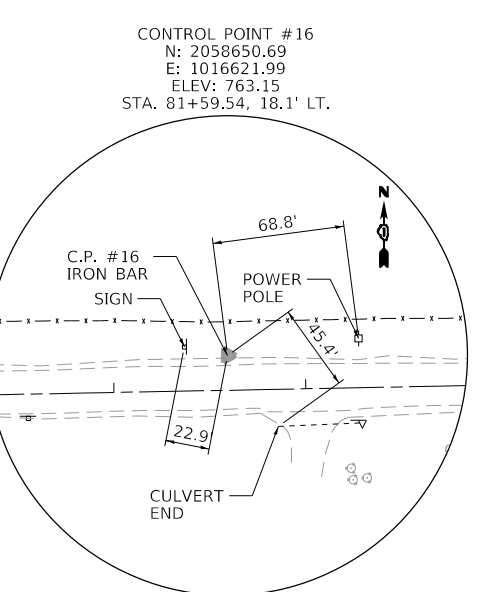
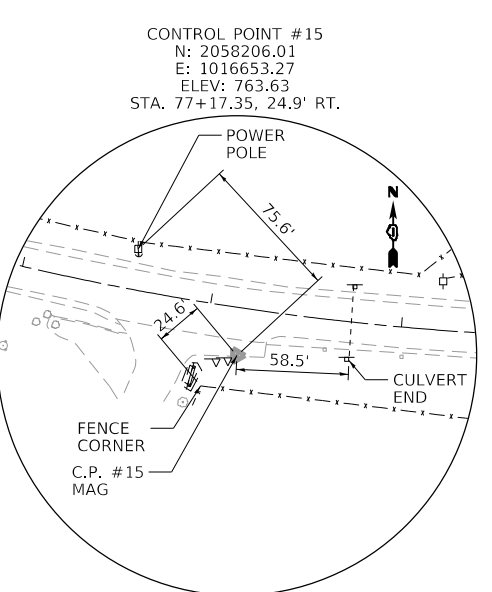
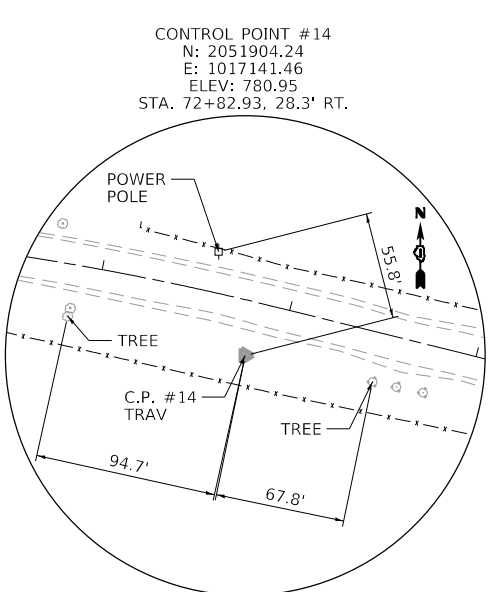
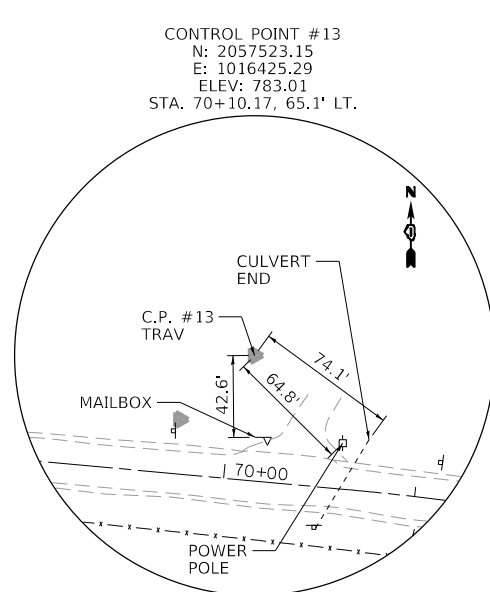
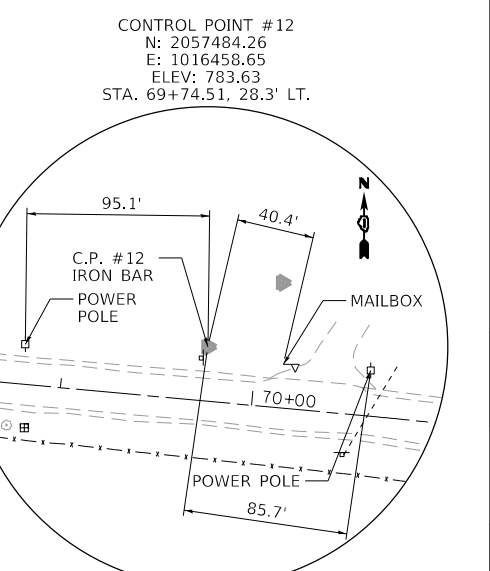
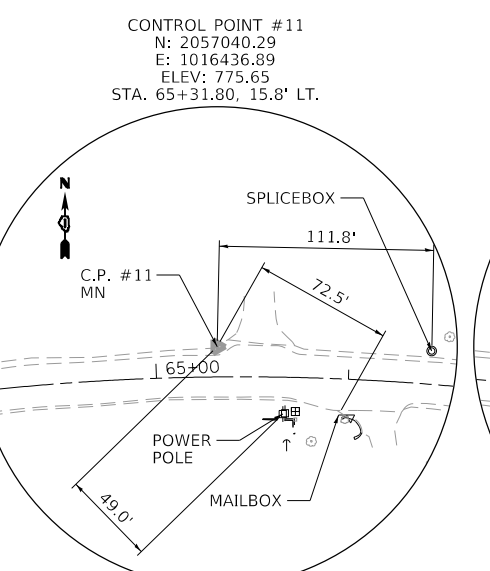
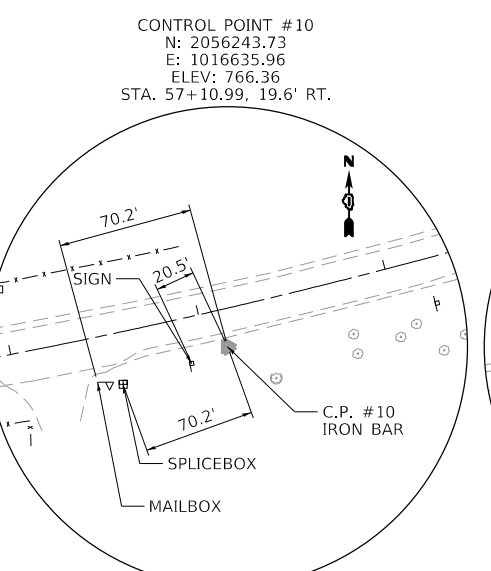
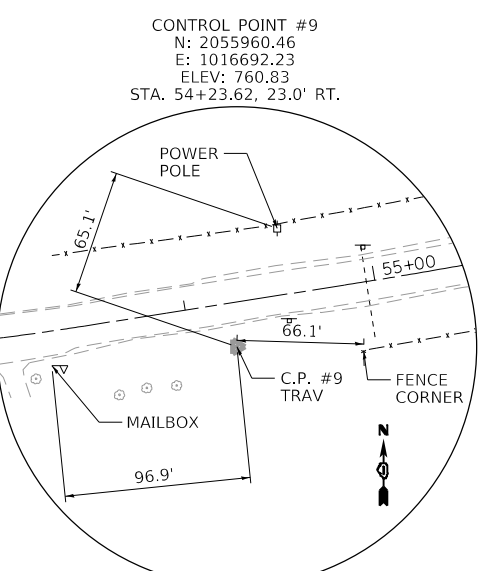
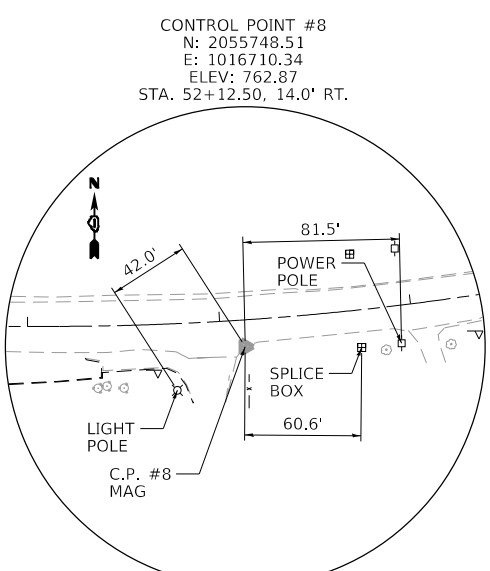
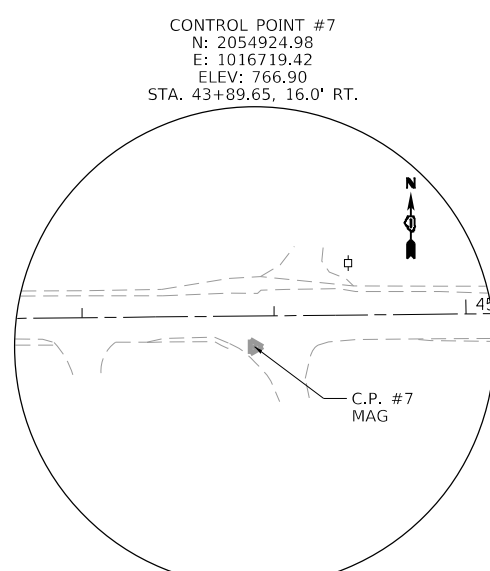
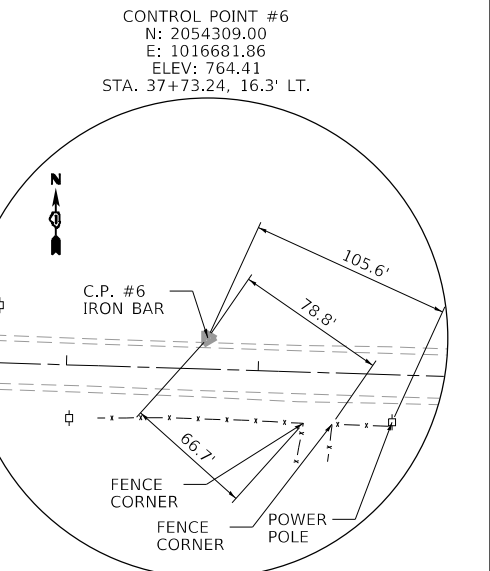
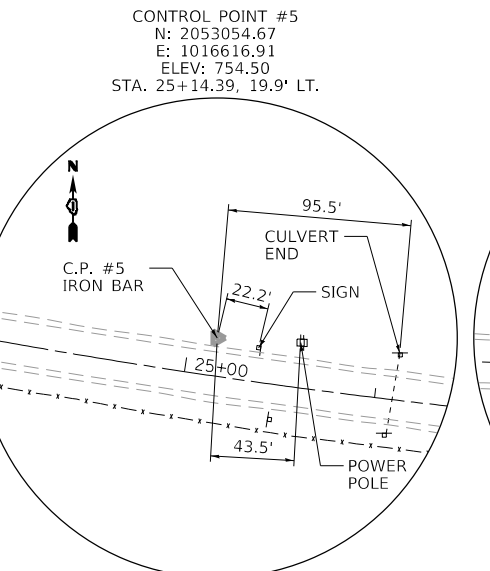
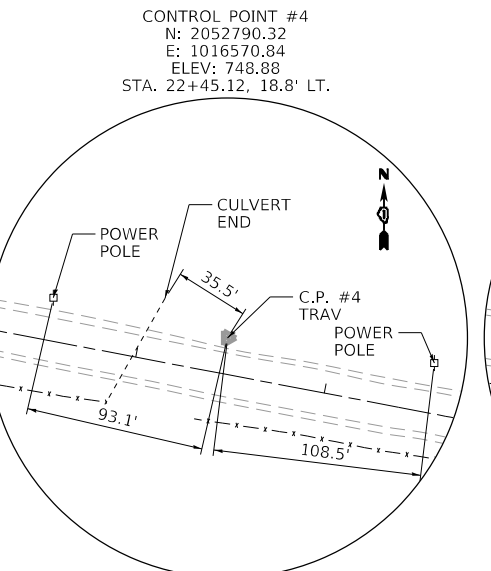
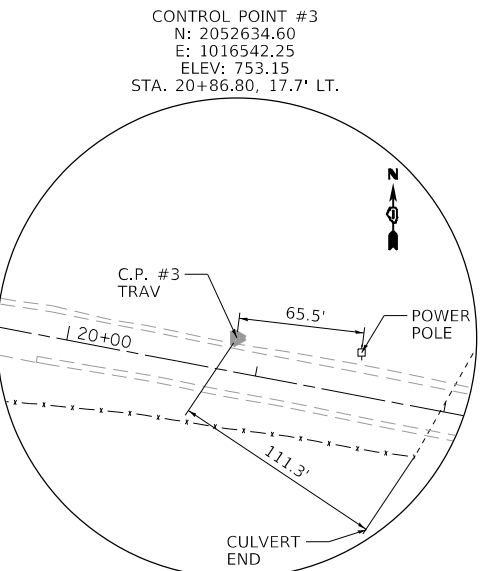
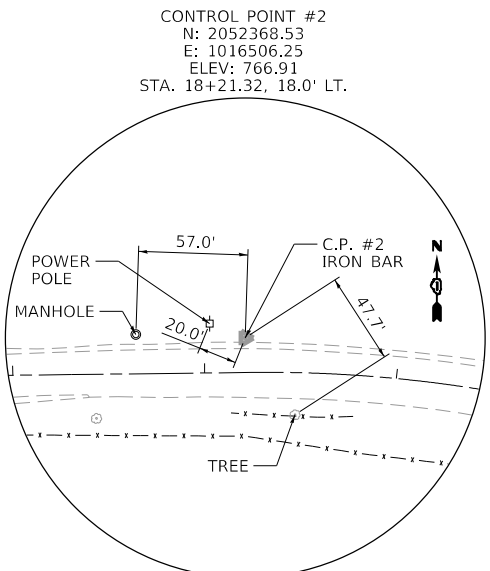
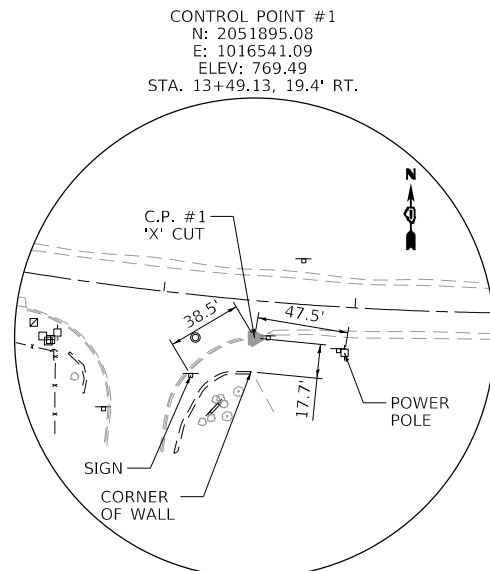
ALIGNMENT AND BENCHMARKS			
LILY LAKE ROAD			
SCALE: N.T.S.	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F99	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
	NO. 9	
	NO. 10	
	NO. 11	
	NO. 12	
	NO. 13	
	NO. 14	
	NO. 15	
	NO. 16	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
	NO. 9	
	NO. 10	
	NO. 11	
	NO. 12	
	NO. 13	
	NO. 14	
	NO. 15	
	NO. 16	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srv-1-19-02.dgn
 FILE NUMBER: 160444.ctb
 PEN TABLE: p01tbl.tbl



USER NAME =	bhar-ta
DESIGNED -	BH
DRAWN -	DMS
CHECKED -	AC
DATE -	8/25/2019
PLOT SCALE =	
PLOT DATE =	8/26/2019

REVISD -	
REVISD -	
REVISD -	
REVISD -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT TIES
 LILY LAKE ROAD**

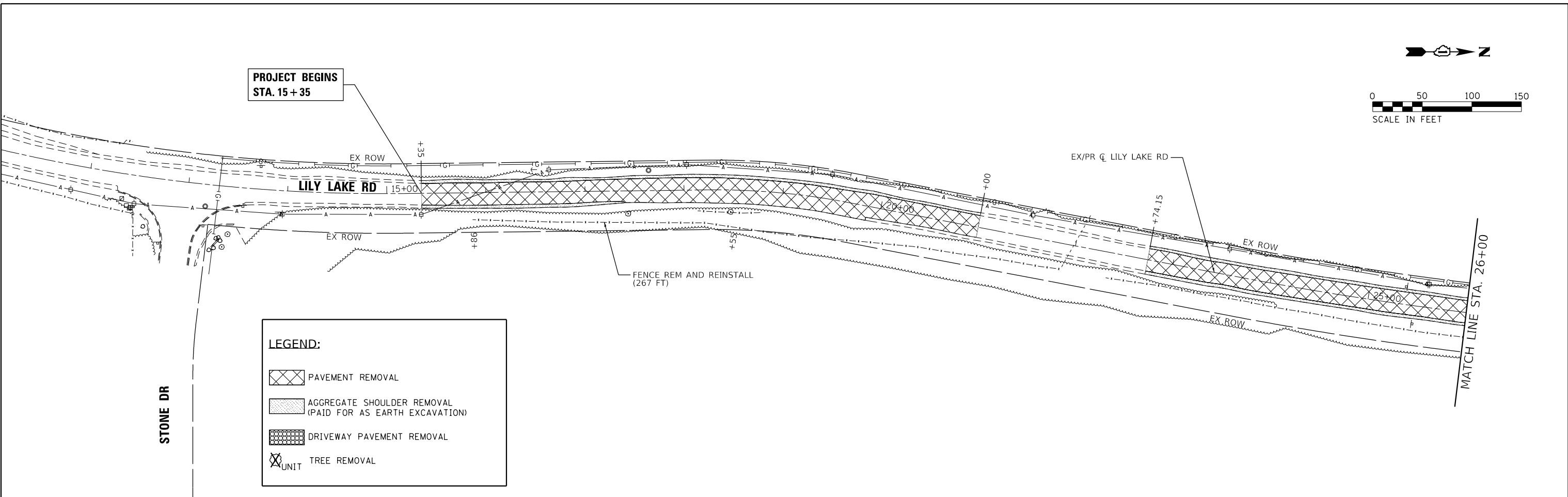
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F99	





PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	FILE NO.	
	BY	
	DATE	

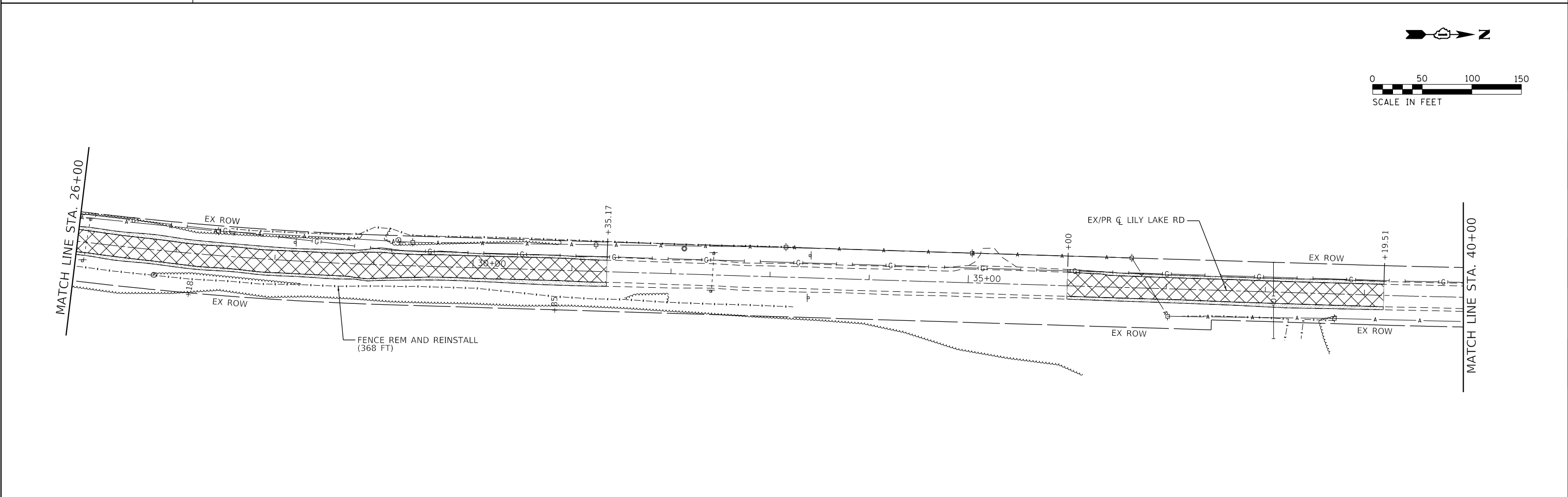
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	FILE NO.	
	BY	
	DATE	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-rbm-01.dgn
 FILE NUMBER: 160444-srt-rbm-01.dgn
 PEN TABLE: pen160444.tbl



LEGEND:

-  PAVEMENT REMOVAL
-  AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
-  DRIVEWAY PAVEMENT REMOVAL
-  TREE REMOVAL UNIT



USER NAME = bhartm	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

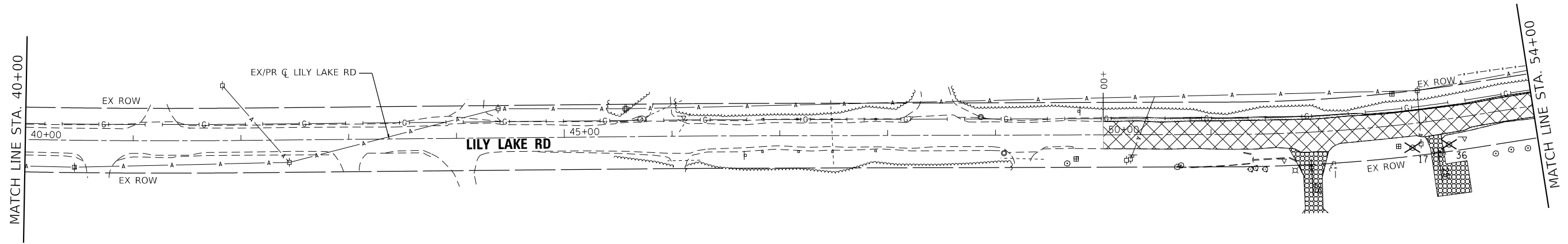
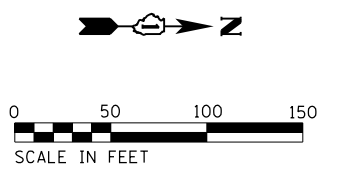
REMOVAL PLAN LILY LAKE ROAD			
SCALE: 1"=50'	SHEET NO. 1	OF 3 SHEETS	STA. 14+00.00 TO STA. 40+00.00

F.A.U. RTE. 3858	SECTION NO. 17-14172-01-5P	COUNTY MCHENRY	TOTAL SHEETS 51	SHEET NO. 9
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61F99		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	FILE NAME		
	FILE NO.		

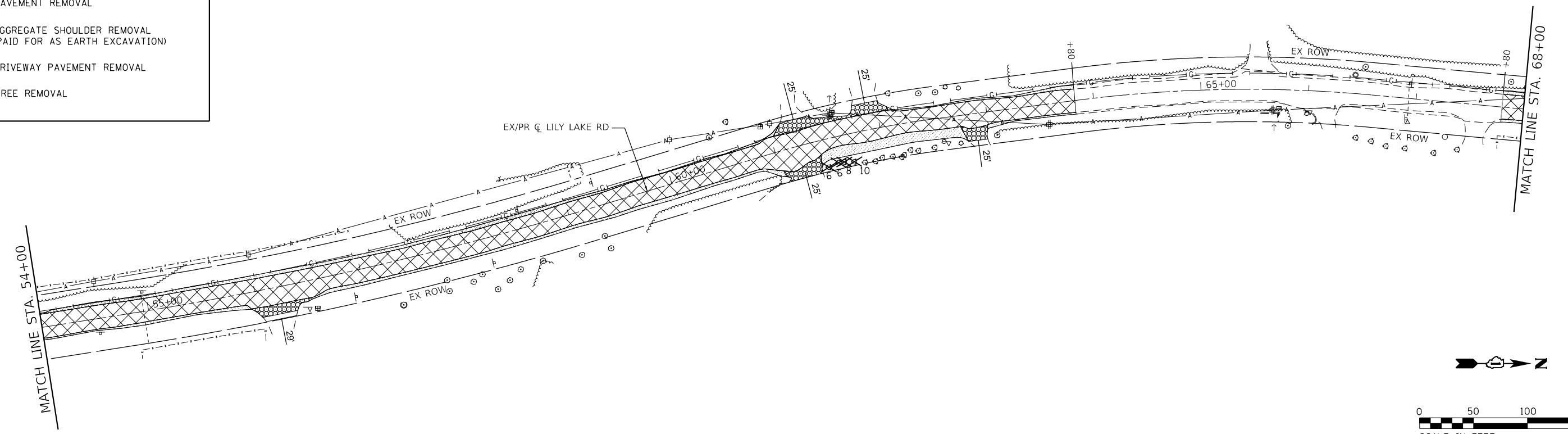
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIS CHKD		
	FILE NAME		
	FILE NO.		

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-rbm-02.dgn
 FILE NAME: 160444-17-14172-01-SP-01.dwg
 PEN TABLE: p01tbl.tbl



LEGEND:

	PAVEMENT REMOVAL
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL UNIT



USER NAME = bhartm	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
 LILY LAKE ROAD**

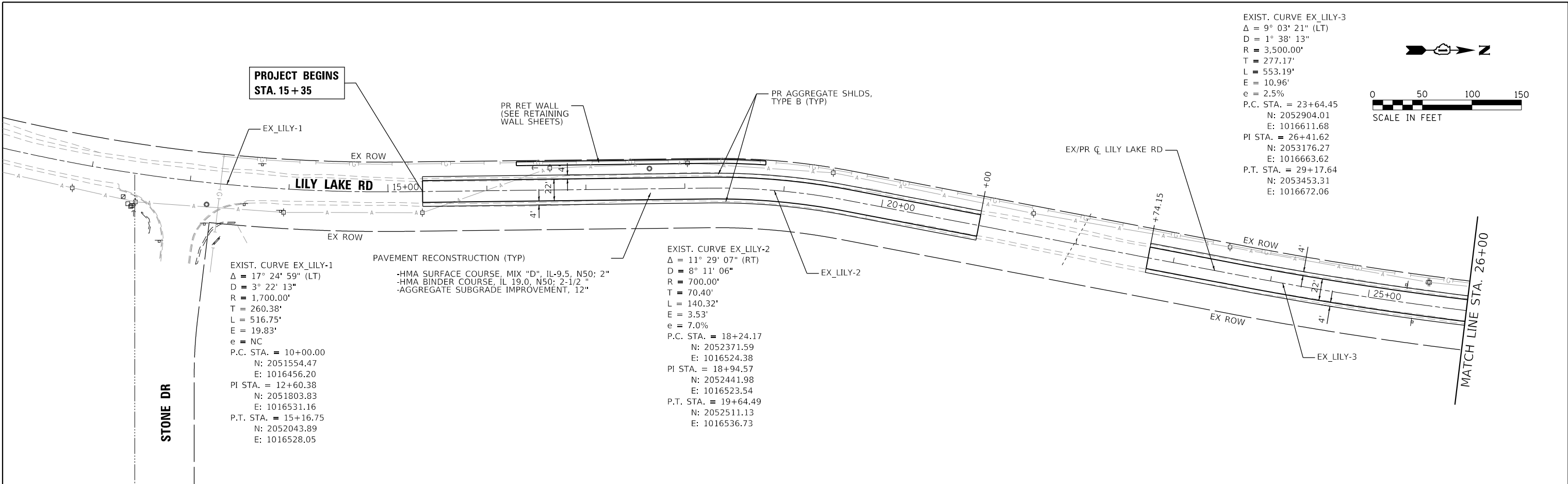
SCALE: 1"=50' SHEET NO. 2 OF 3 SHEETS STA. 40+00.00 TO STA. 68+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	10
FED. ROAD DIST. NO.			CONTRACT NO. 61F99	
ILLINOIS FED. AID PROJECT				

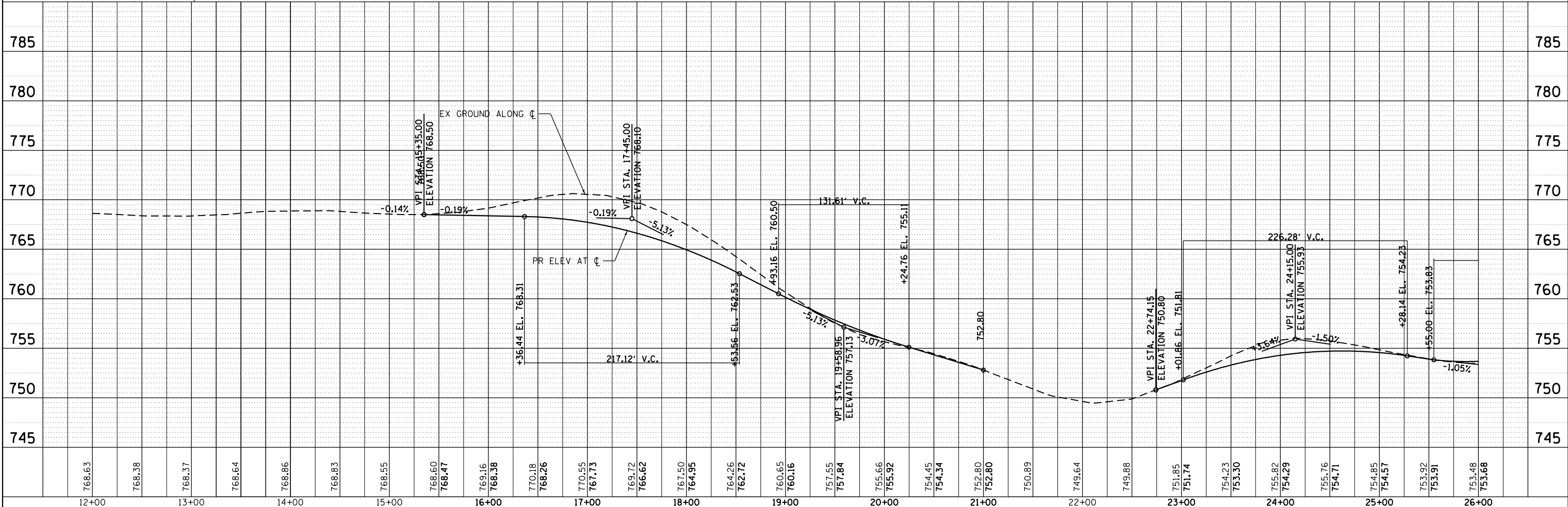
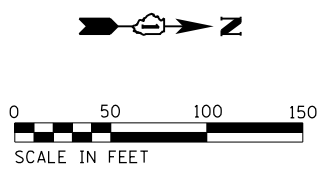
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CARD FILE NAME		
	NO.		

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

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-p1p1p1-f-01.dgn
 FILE NUMBER: 160444-01-SP
 PEN TABLE: p160444.tbl



EXIST. CURVE EX_LILY-3
 $\Delta = 9^\circ 03' 21''$ (LT)
 $D = 1^\circ 38' 13''$
 $R = 3,500.00'$
 $T = 277.17'$
 $L = 553.19'$
 $E = 10.96'$
 $e = 2.5\%$
 P.C. STA. = 23+64.45
 N: 2052904.01
 E: 1016611.68
 PI STA. = 26+41.62
 N: 2053176.27
 E: 1016663.62
 P.T. STA. = 29+17.64
 N: 2053453.31
 E: 1016672.06



12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00	21+00	22+00	23+00	24+00	25+00	26+00														
768.63	768.38	768.37	768.64	768.86	768.83	768.55	768.60 768.47	769.16 768.38	770.18 768.26	770.55 767.73	769.72 766.62	767.50 764.95	764.26 762.72	760.65 760.16	757.55 757.84	755.66 755.92	754.45 754.34	752.60 752.80	750.89	749.64	749.88	751.85 751.74	754.23 753.30	755.82 754.29	755.76 754.71	754.85 754.57	753.92 753.91	753.48 753.68

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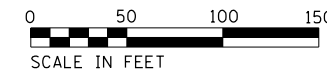
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	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 9/3/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 LILY LAKE ROAD**

SCALE: 1"=50' SHEET NO. 1 OF 5 SHEETS STA. 14+00.00 TO STA. 26+00.00

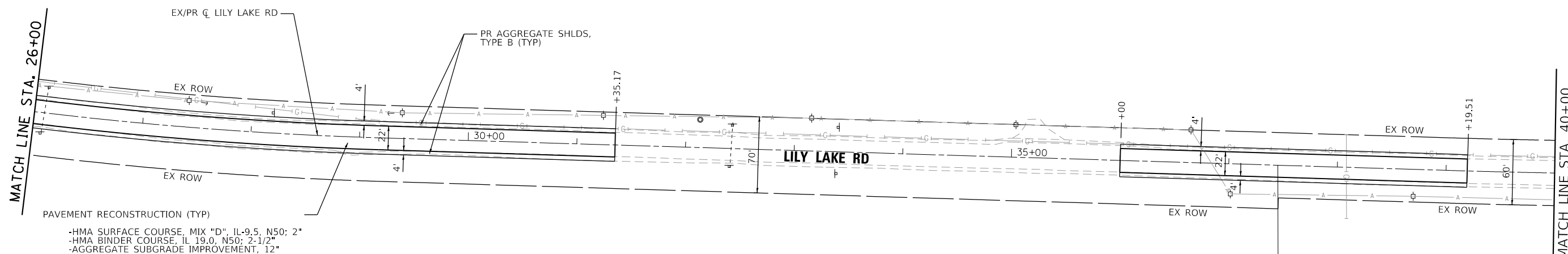
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61F99				



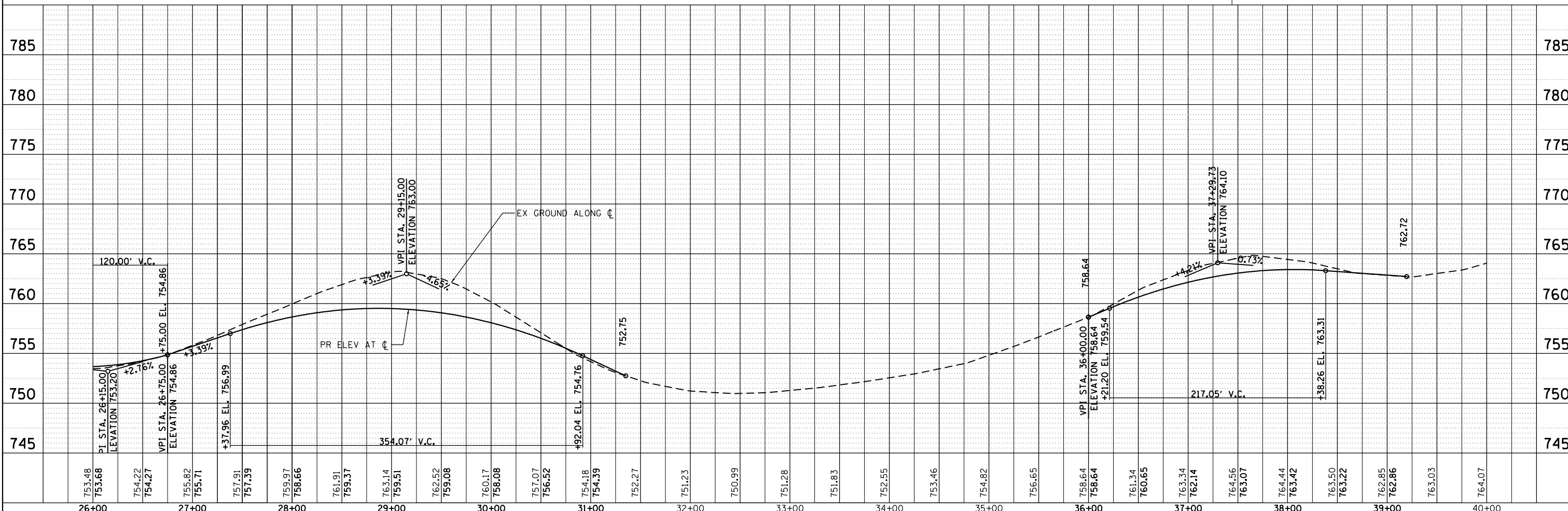
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	FILED		
	NO.		

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-pmp-f-02.dgn
 FILE NAME: 160444.ctb
 PEN TABLE: pcc1tbl.tbl



PAVEMENT RECONSTRUCTION (TYP)
 -HMA SURFACE COURSE, MIX "D", IL-9.5, N50; 2"
 -HMA BINDER COURSE, IL 19.0, N50; 2-1/2"
 -AGGREGATE SUBGRADE IMPROVEMENT, 12"



26+00	27+00	28+00	29+00	30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00																																
753.48	753.68	754.22	754.27	755.82	755.71	757.91	757.39	759.97	758.66	761.91	759.37	763.14	759.51	762.52	759.08	760.17	758.08	757.07	756.52	754.18	754.39	752.27	751.23	750.99	751.28	751.83	752.55	753.46	754.82	756.65	758.64	758.64	761.34	760.65	763.34	762.14	764.56	763.07	764.44	763.42	763.50	763.22	762.85	762.86	763.03	764.07

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USER NAME = bhartha	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 9/3/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE	
LILY LAKE ROAD	
SCALE: 1"=50'	SHEET NO. 2 OF 5 SHEETS
STA. 26+00.00 TO STA. 40+00.00	

F.A.U. RTE. 3858	SECTION NO. 17-14172-01-5P	COUNTY MCHENRY	TOTAL SHEETS 51	SHEET NO. 13
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61F99	



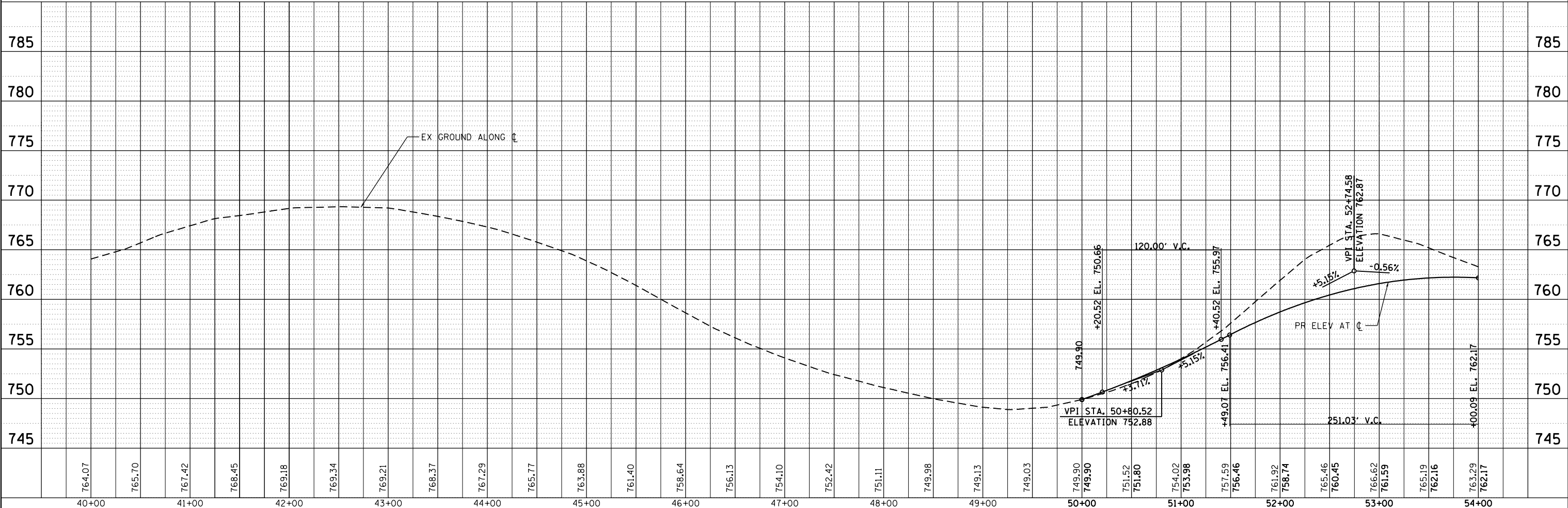
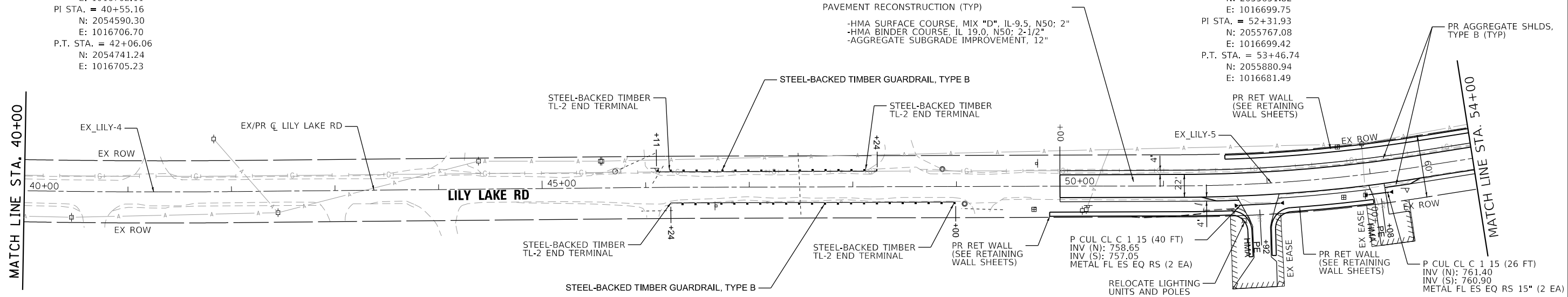
EXIST. CURVE EX_LILY-4
 $\Delta = 2^\circ 18' 21"$ (LT)
 $D = 0^\circ 45' 50"$
 $R = 7,500.00'$
 $T = 150.94'$
 $L = 301.84'$
 $E = 1.52'$
 $e = NC$
P.C. STA. = 39+04.22
N: 2054439.43
E: 1016702.11
PI STA. = 40+55.16
N: 2054590.30
E: 1016706.70
P.T. STA. = 42+06.06
N: 2054741.24
E: 1016705.23

EXIST. CURVE EX_LILY-5
 $\Delta = 8^\circ 47' 17"$ (LT)
 $D = 3^\circ 49' 11"$
 $R = 1,500.00'$
 $T = 115.26'$
 $L = 230.07'$
 $E = 4.42'$
 $e = 4.5\%$
P.C. STA. = 51+16.67
N: 2055651.82
E: 1016699.75
PI STA. = 52+31.93
N: 2055767.08
E: 1016699.42
P.T. STA. = 53+46.74
N: 2055880.94
E: 1016681.49

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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

HRG PROJECT NO.: 160444
HRG PROJ. CONTACT: 160444-srt-pjmgr-f-03.dgn
FILE NUMBER: 160444-01-SP
PEN TABLE: p01tbltbl.tbl

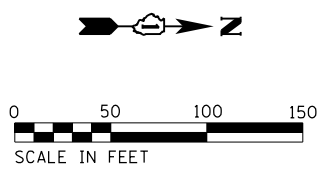
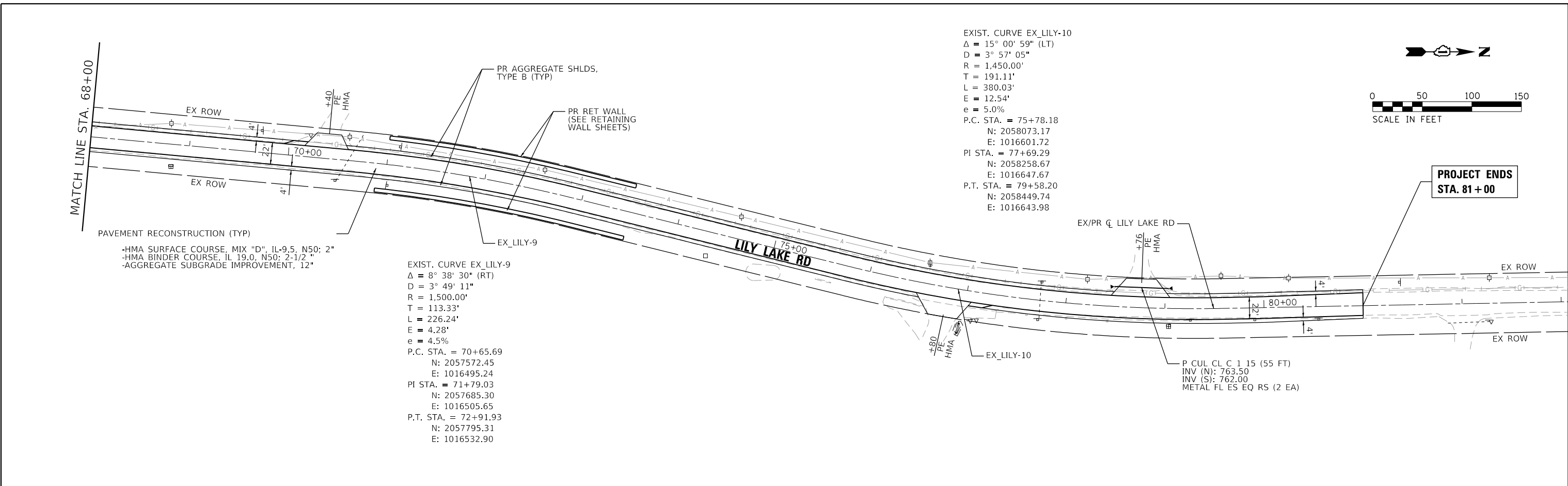


	USER NAME = bharto DESIGNED - BH DRAWN - DMS CHECKED - AC PLOT DATE = 9/3/2019	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE LILY LAKE ROAD	F.A.U. RT. = 3858 SECTION NO. = 17-14172-01-SP COUNTY = MCHENRY ILLINOIS FED. AID PROJECT	TOTAL SHEETS = 51 SHEET NO. = 14 CONTRACT NO. = 61F99
	SCALE: 1"=50' SHEET NO. 3 OF 5 SHEETS STA. 40+00.00 TO STA. 54+00.00					

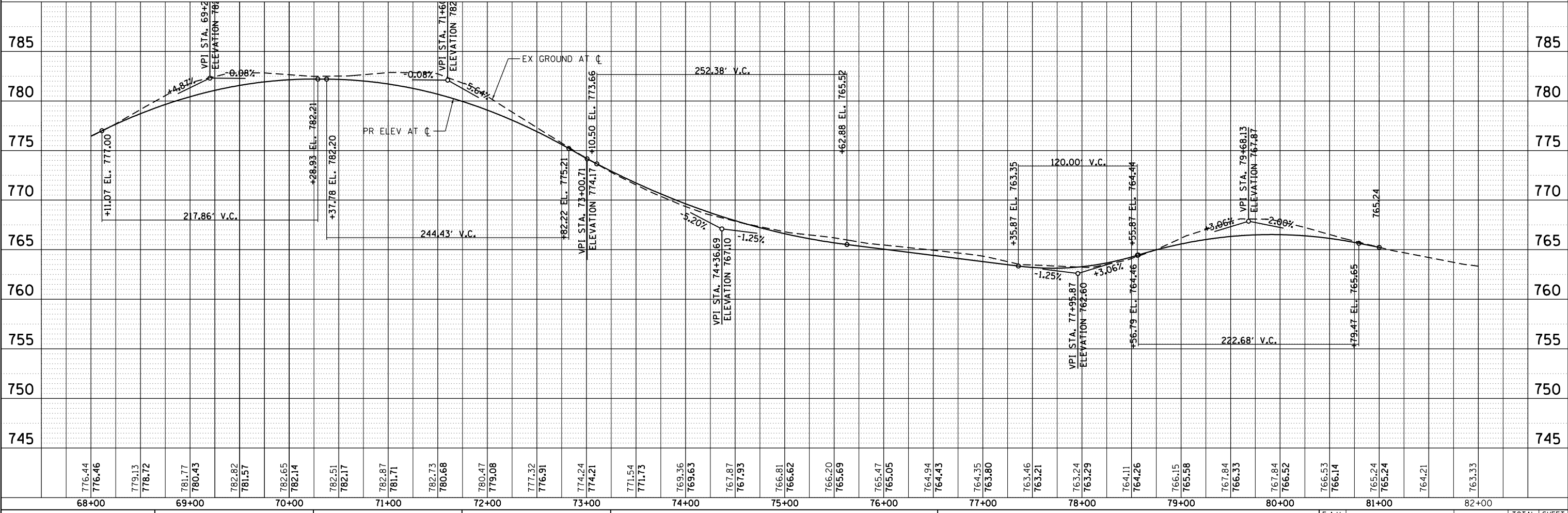
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	CARD FILE NAME	
	NO.	

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

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt+plnprf-05.dgn
 FILE NUMBER: 160444.ctb
 PEN TABLE: penf06tbl.tbl



PROJECT ENDS
STA. 81+00



68+00	69+00	70+00	71+00	72+00	73+00	74+00	75+00	76+00	77+00	78+00	79+00	80+00	81+00	82+00																																									
776.44	776.46	779.13	778.72	781.77	780.43	782.82	781.57	782.65	782.14	782.51	782.17	782.87	781.71	782.73	780.68	780.47	779.08	777.32	776.91	774.24	774.21	771.54	771.73	769.36	769.63	767.87	767.93	766.81	766.62	766.20	765.69	765.47	765.05	764.94	764.43	764.35	763.80	763.46	763.21	763.24	763.29	764.11	764.26	766.15	765.98	767.84	766.33	767.84	766.52	766.53	766.14	765.24	765.24	764.21	763.33

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USER NAME = bhartha	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 9/3/2019	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
LILY LAKE ROAD
SCALE: 1"=50' SHEET NO. 5 OF 5 SHEETS STA. 68+00.00 TO STA. 81+00.00

F.A.U. RTE. 3858	SECTION NO. 17-14172-01-5P	COUNTY MCHENRY	TOTAL SHEETS 51	SHEET NO. 16
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61F99

SIGN LEGEND

<p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p>	<p>13</p> <p>14</p> <p>15*</p> <p>16*</p> <p>17</p> <p>18</p>
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* NOTE: SIGNS ARE TO BE MOUNTED ABOVE BARRICADE RAILS.

DETOUR LEGEND

DETOUR ROUTE

BARRICADE, TYPE III

PLAN	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS CHECKED	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS CHECKED	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-detour-01.dgn
 FILE NUMBER: 160444-srt-detour-01.dgn
 PEN TABLE: p01tbl.tbl



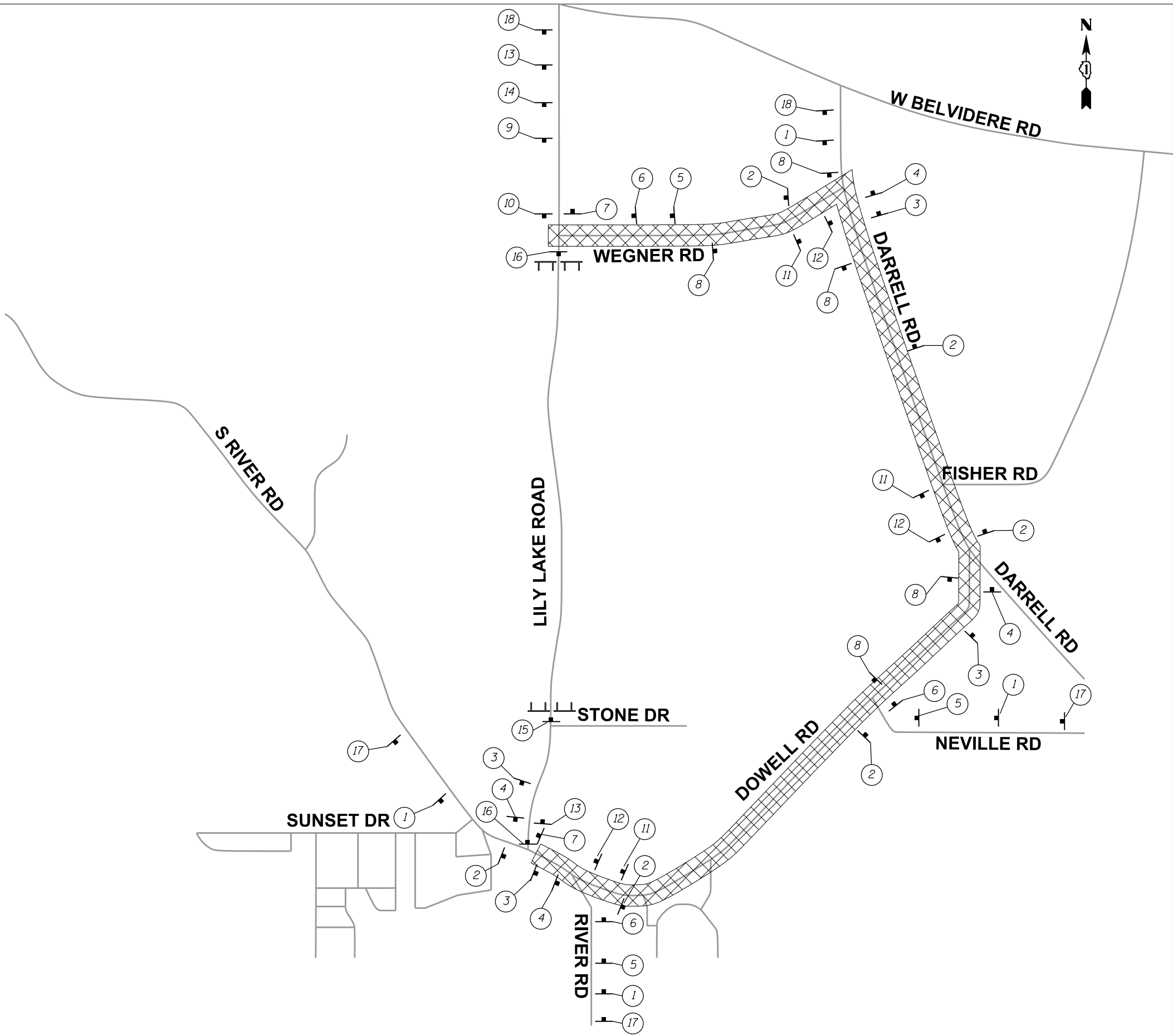
USER NAME = bhartma	DESIGNED - BH	REVISED -
PLOT SCALE =	DRAWN - DMS	REVISED -
PLOT DATE = 8/26/2019	CHECKED - AC	REVISED -
	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N.T.S.	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.
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**DETOUR PLAN
LILY LAKE ROAD**

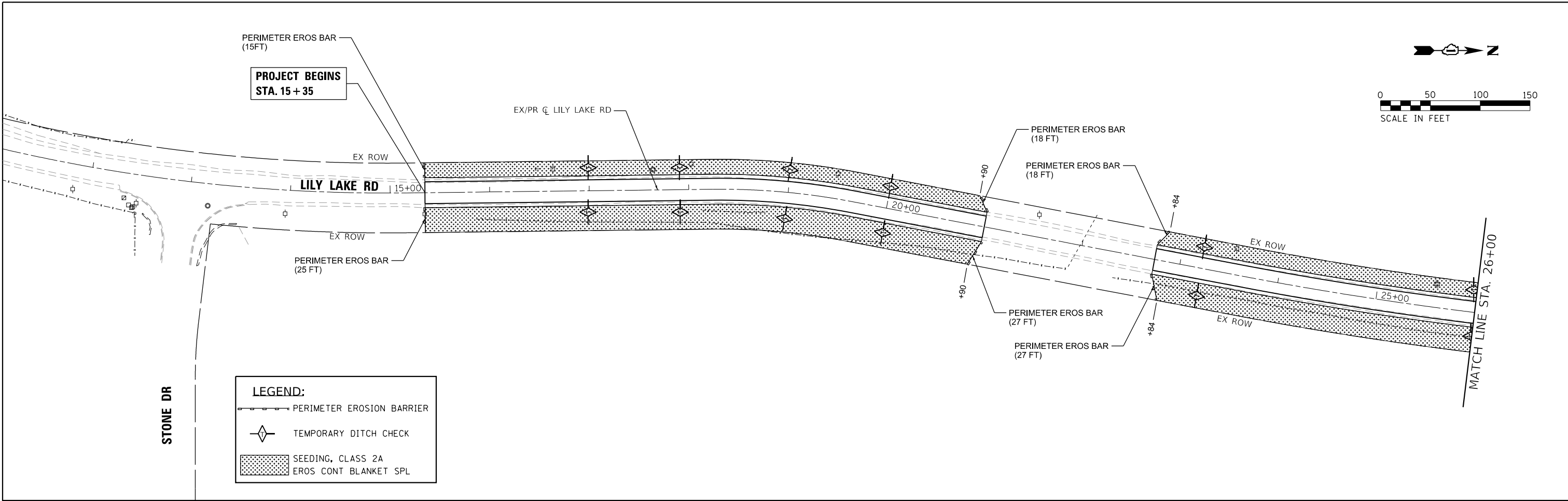
F.A.U. RTE. 3858	SECTION NO. 17-14172-01-5P	COUNTY MCHENRY	TOTAL SHEETS 51	SHEET NO. 17
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61F99



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	BY _____	

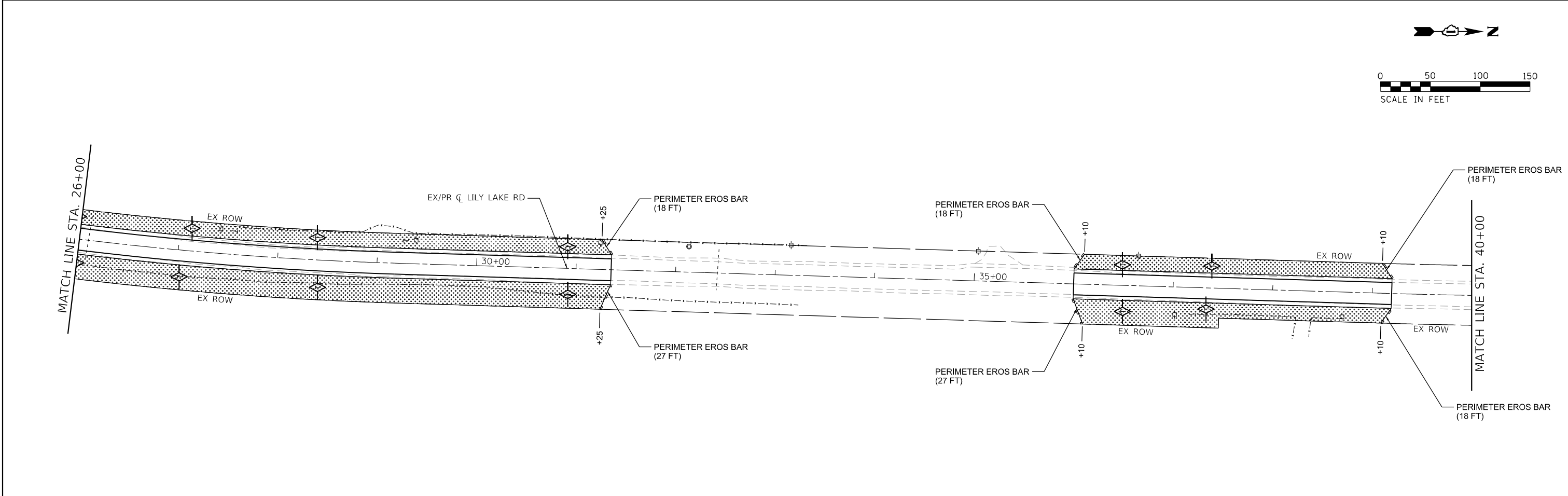
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	BY _____	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-eros-0.dgn
 FILE NUMBER: 160444-srt-eros-0.dgn
 PEN TABLE: p01f00tbl.tbl



LEGEND:

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- SEEDING, CLASS 2A
EROS CONT BLANKET SPL

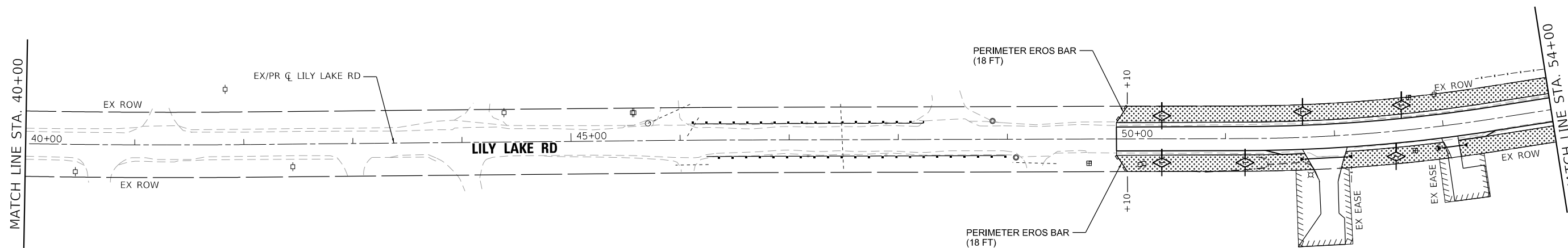
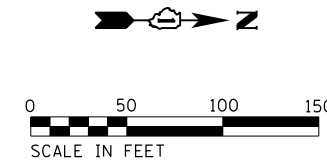


	HRGreen.com <small>Miracle Professional Design Firm #184-001322</small>	USER NAME = bhartma	DESIGNED - BH DRAWN - DMS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN LILY LAKE ROAD	F.A.U. RTE. 3858	SECTION NO. 17-14172-01-SP	COUNTY MCHENRY	TOTAL SHEETS 51	SHEET NO. 18
	PLOT SCALE = PLOT DATE = 8/26/2019					SCALE: 1"=50' SHEET NO. 1 OF 3 SHEETS STA. 14+00.00 TO STA. 40+00.00	CONTRACT NO. 61F99		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO. _____		
	FILE NAME _____		

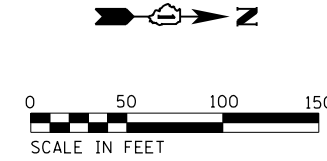
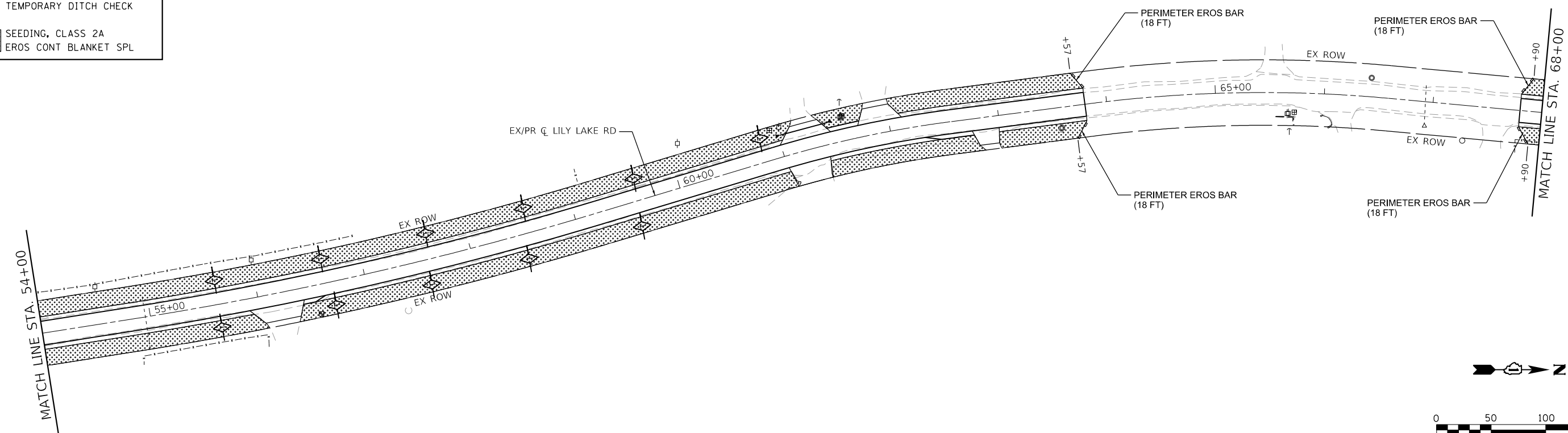
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	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		
	FILE NAME _____		

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-er05-02.dgn
 FILE NUMBER: 17-14172-01-SP
 PEN TABLE: p01f06bkt1b



LEGEND:

	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	SEEDING, CLASS 2A EROS CONT BLANKET SPL



USER NAME = bhartm	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

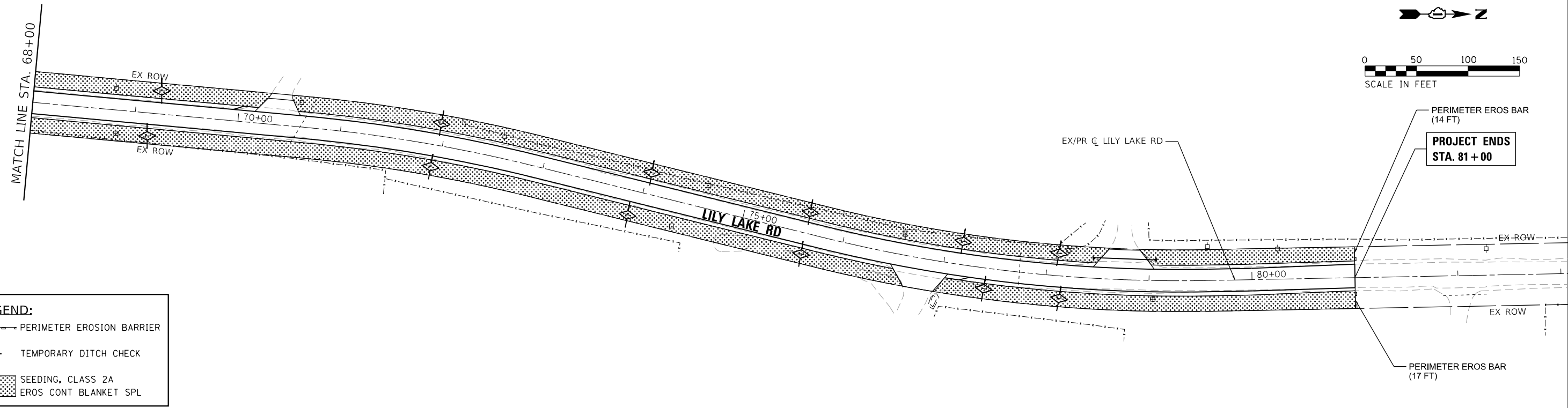
EROSION CONTROL PLAN			
LILY LAKE ROAD			
SCALE: 1"=50'	SHEET NO. 2	OF 3 SHEETS	STA. 40+00.00 TO STA. 68+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F99	

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

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

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-eros-03.dgn
 FILE NUMBER: 160444-03-01-01-01.dwg
 PEN TABLE: 160444.tbl



LEGEND:

	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	SEEDING, CLASS 2A EROS CONT BLANKET SPL



USER NAME = bhartna	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
LILY LAKE ROAD**

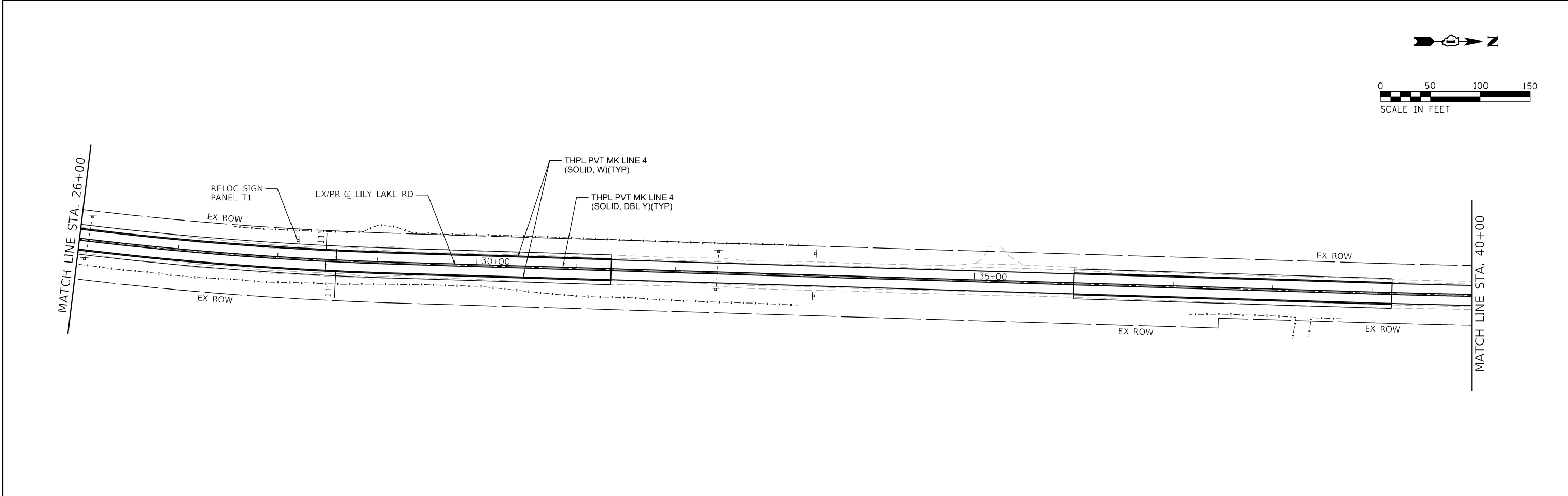
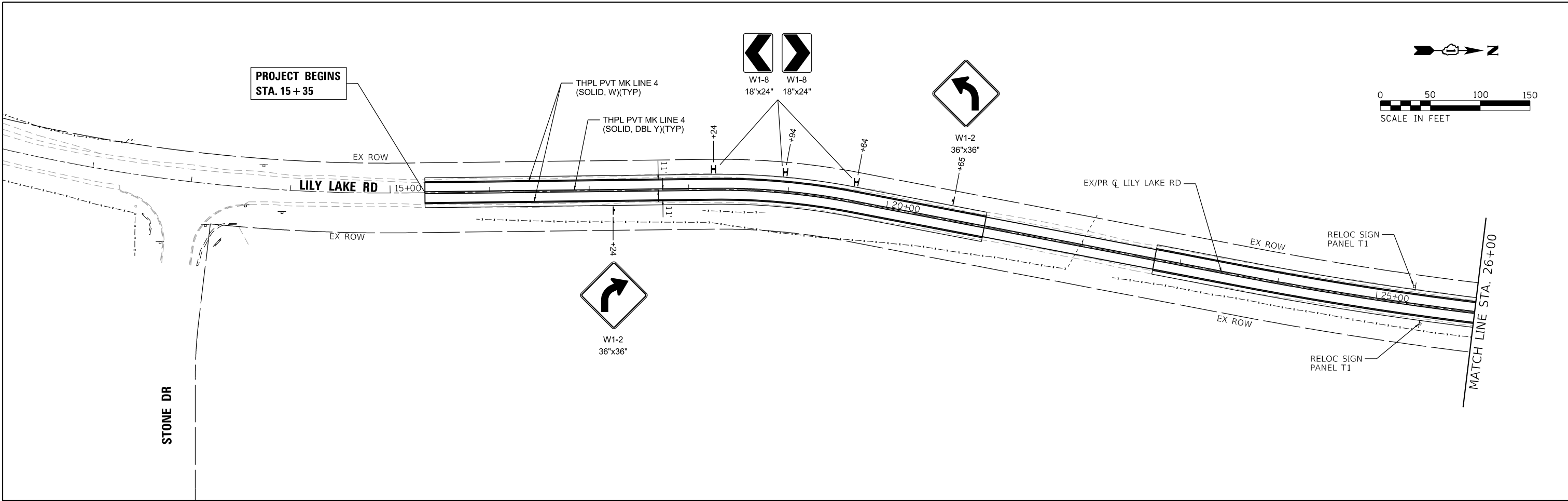
SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. 68+00.00 TO STA. 81+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	20
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F99	

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	
	PEN TABLE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	
	PEN TABLE	

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-pmk-01.dgn
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 PEN TABLE: 160444-srt-pmk-01.tbl

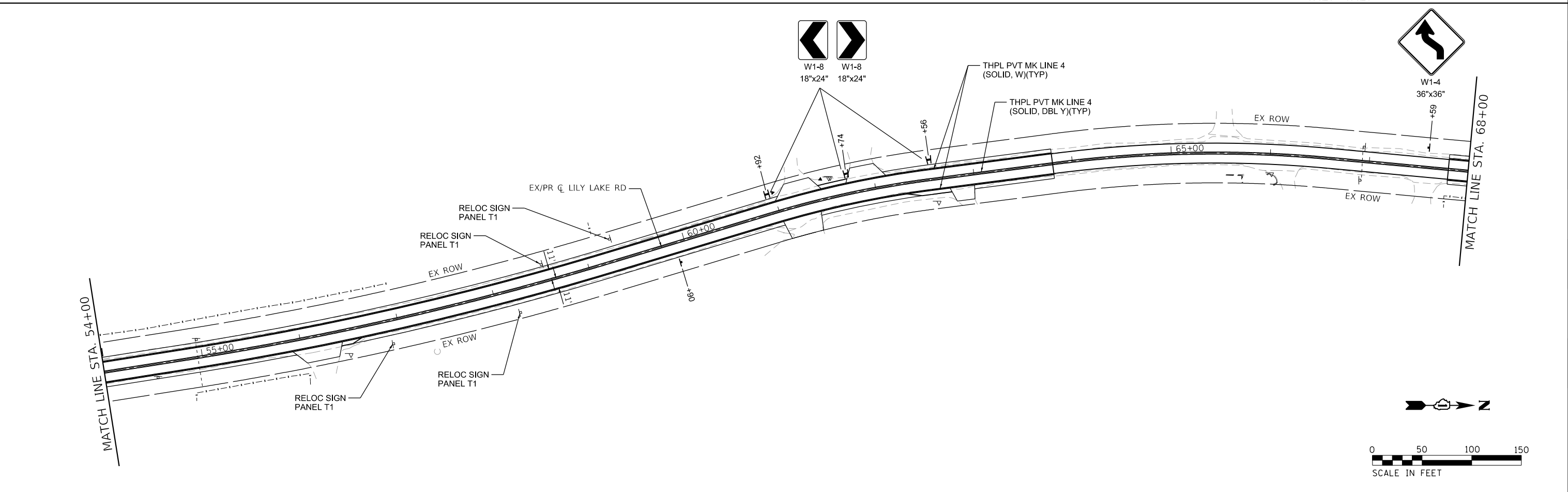
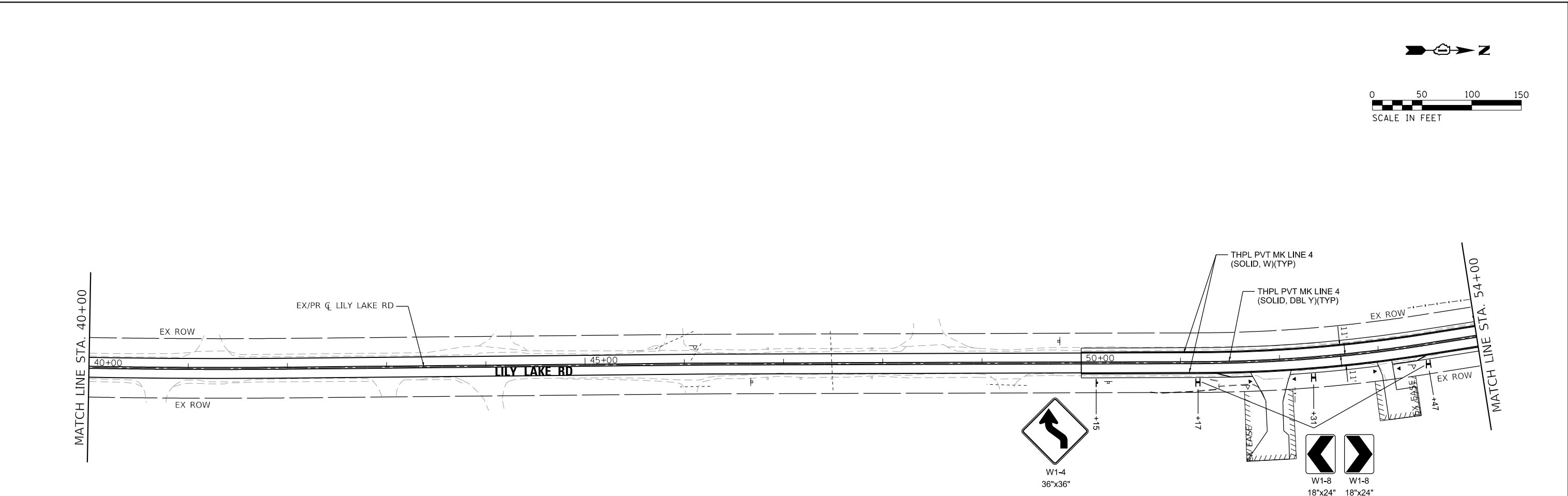


	USER NAME = bhartm PLOT SCALE = PLOT DATE = 8/26/2019	DESIGNED - BH DRAWN - DMS CHECKED - AC DATE - 8/25/2019	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN LILY LAKE ROAD	SCALE: 1"=50' SHEET NO. 1 OF 3 SHEETS STA. 14+00.00 TO STA. 40+00.00	F.A.U. RTE. 3858 SECTION NO. 17-14172-01-5P COUNTY MCHENRY TOTAL SHEETS 51 SHEET NO. 21	CONTRACT NO. 61F99
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	FILE NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOT AT THIS CHKD		
	FILE NAME		
	FILE NO.		

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-pmk-02.dgn
 FILE NUMBER: 160444-01-01-01-01
 PEN TABLE: p01tbl01.tbl



USER NAME = bhartm	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
LILY LAKE ROAD**

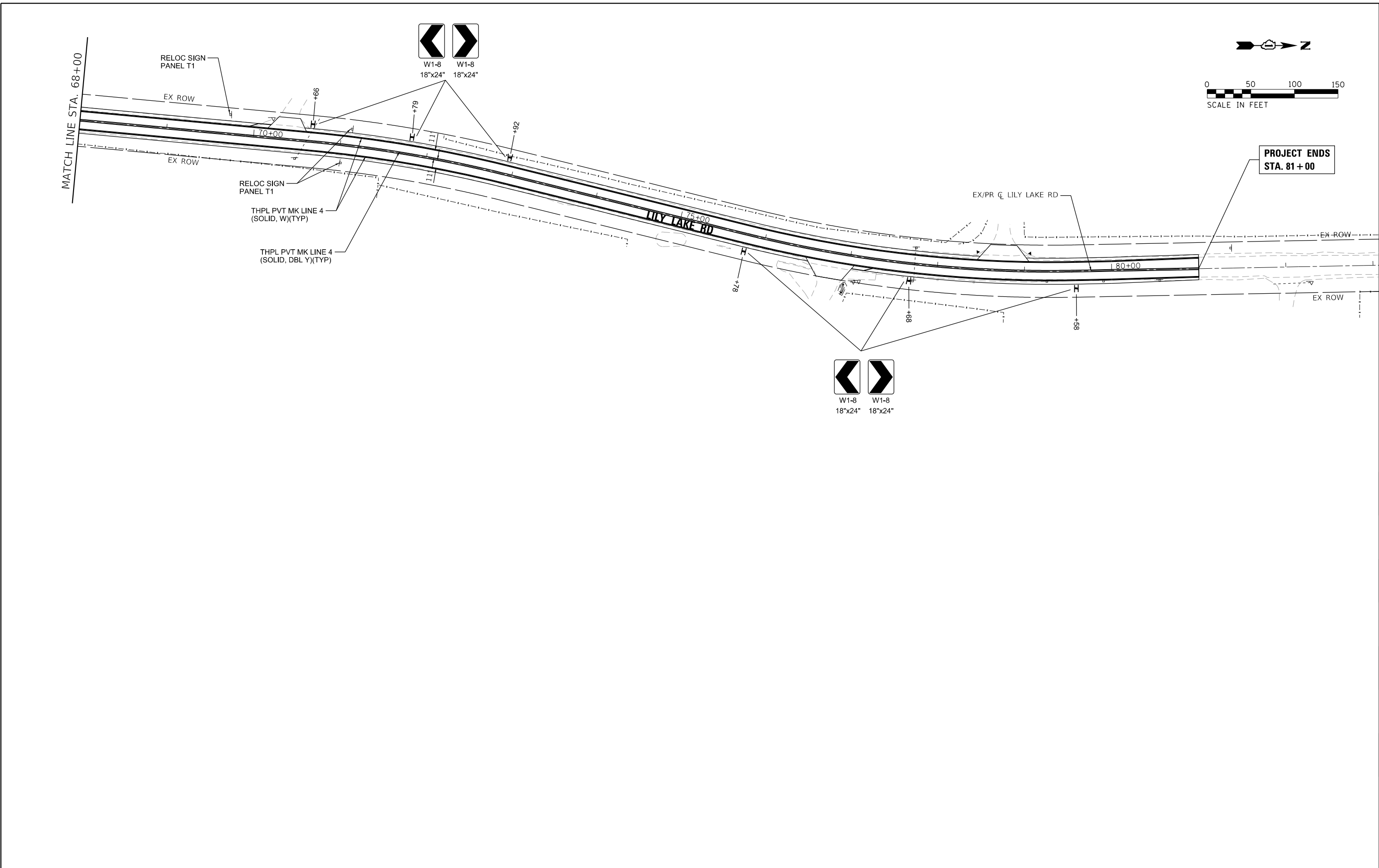
SCALE: 1"=50' SHEET NO. 2 OF 3 SHEETS STA. 40+00.00 TO STA. 68+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F99	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOT AT THIS CHKD		
	NOTE BOOK NO.		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOT AT THIS CHKD		
	NOTE BOOK NO.		
	CARD FILE NAME		

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-srt-pmk-03.dgn
 FILE NUMBER: 160444-srt-pmk-03.dgn
 PEN TABLE: 160444-srt-pmk-03.dgn



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 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = bhartma	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
 LILY LAKE ROAD**

SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. 68+00.00 TO STA. 81+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F99	

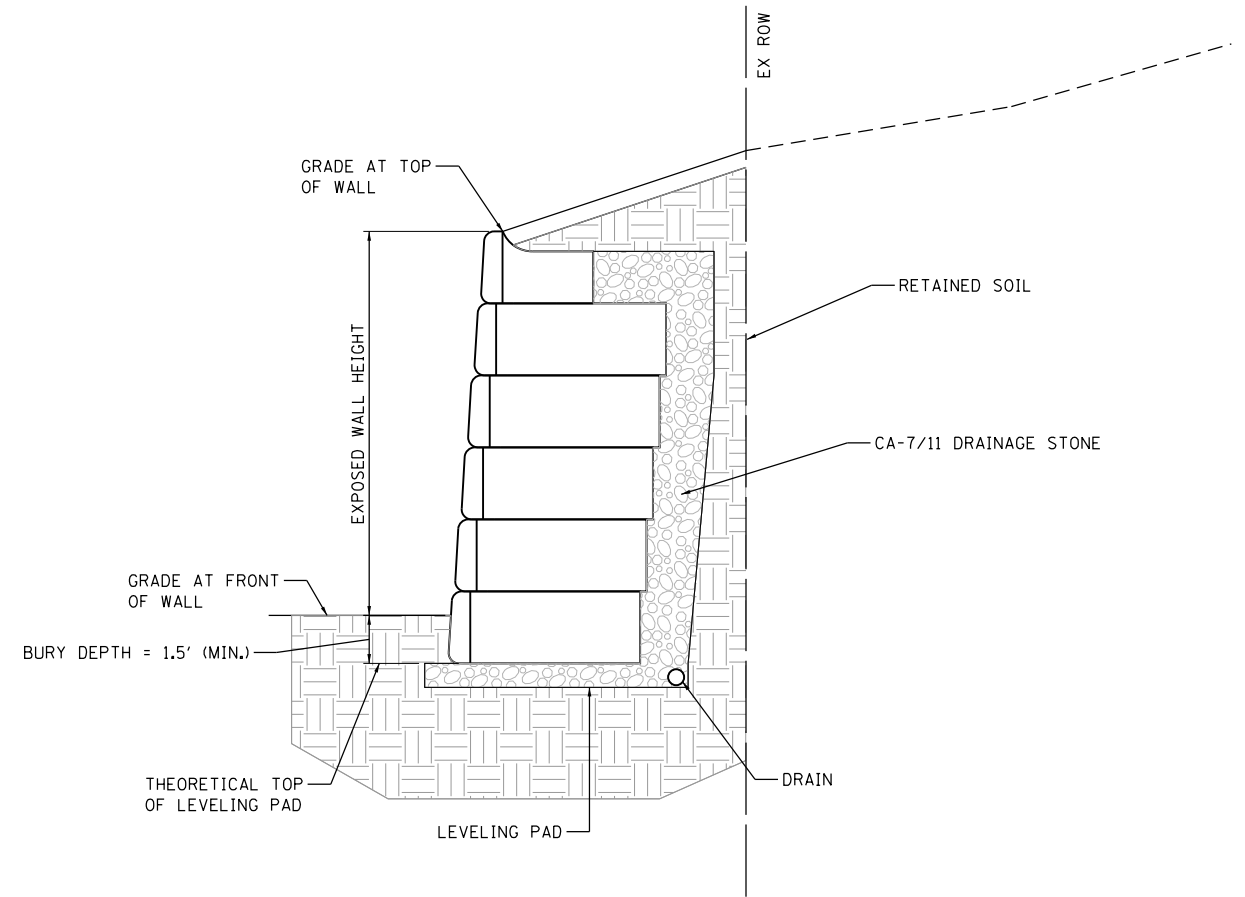
GENERAL NOTES

THE RETAINING WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE PORTIONS OF ARTICLE 522.12 OF THE STANDARD SPECIFICATIONS.

THESE WALLS SHALL BE DESIGNED AS LARGE BLOCK GRAVITY WALLS WITHOUT GEOGRID REINFORCEMENT BY REDI-ROCK OR AS APPROVED BY THE ENGINEER. RETAINING WALL SHALL HAVE A LIMESTONE FINISH ON THE FRONT FACE WITH A TAN COLOR APPROVED BY THE HIGHWAY COMMISSIONER.

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	DATE	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOT AT THIS CHKD	
	NO.	
	FILE NAME	



TYPICAL GRAVITY WALL SECTION

HRG PROJECT NO.: 160444
 HRG PROJ. CONTACT: 160444-st-989-01.dgn
 FILE NUMBER: 160444-st-989-01.ctb
 PEN TABLE: p01tbl.tbl



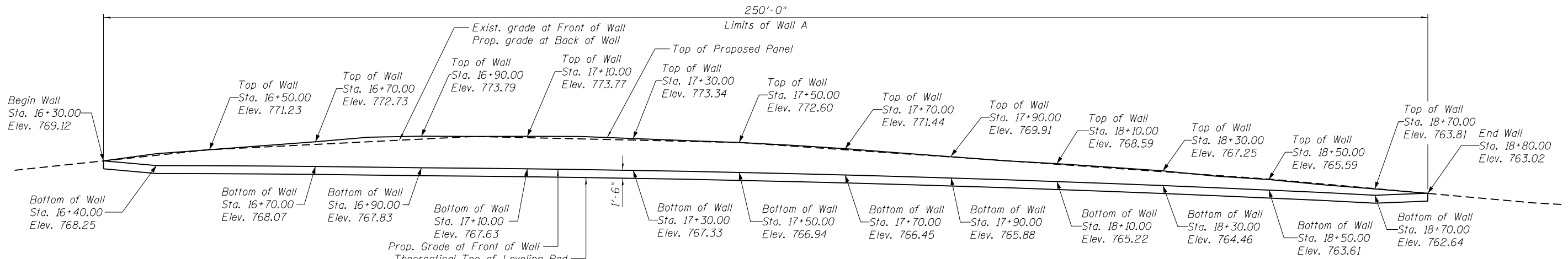
USER NAME = bharto	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 3/6/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL - GENERAL NOTES
 LILY LAKE ROAD**

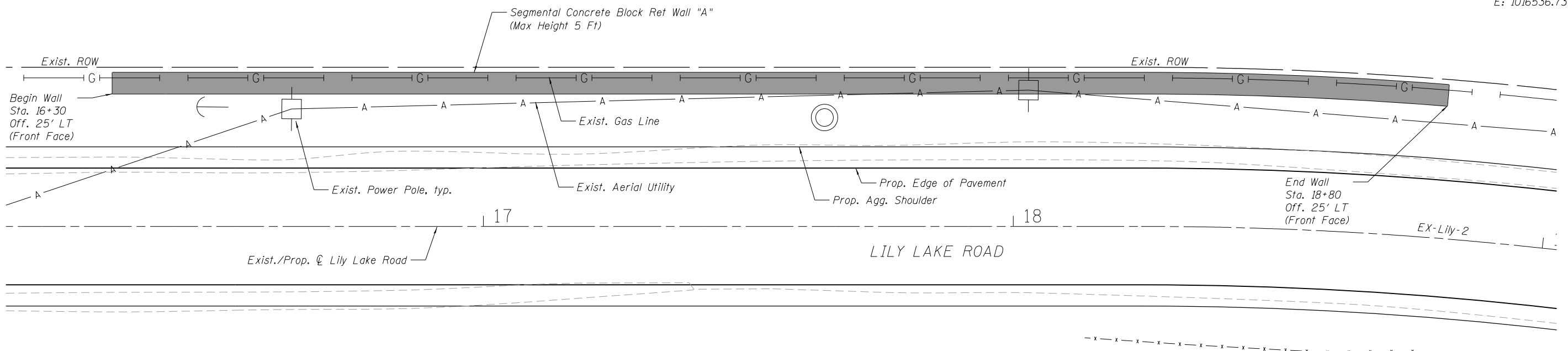
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	24
CONTRACT NO.			61F99	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

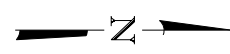


ELEVATION

EXIST. CURVE EX-LILY-2
 $\Delta = 11^\circ 29' 07''$ (RT)
 $D = 8^\circ 11' 06''$
 $R = 700.00'$
 $T = 70.40'$
 $L = 140.32'$
 $E = 3.53'$
P.C. STA. = 18+24.17
N: 2052371.59
E: 1016524.38
P.I. STA. = 18+94.57
N: 2052441.98
E: 1016523.54
P.T. STA. = 19+64.49
N: 2052511.13
E: 1016536.73



PLAN



HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-st-r-wall_4.dgn
 PLOT DRIVER: IL_Pdf.dwg.plt
 PEN TABLE: plotlabel.tbl



USER NAME = bhartma	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

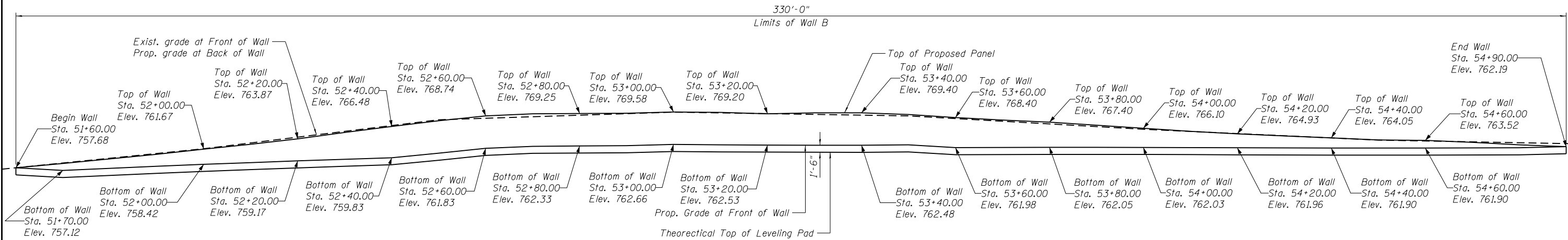
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL "A" - WEST SIDE
LILY LAKE ROAD

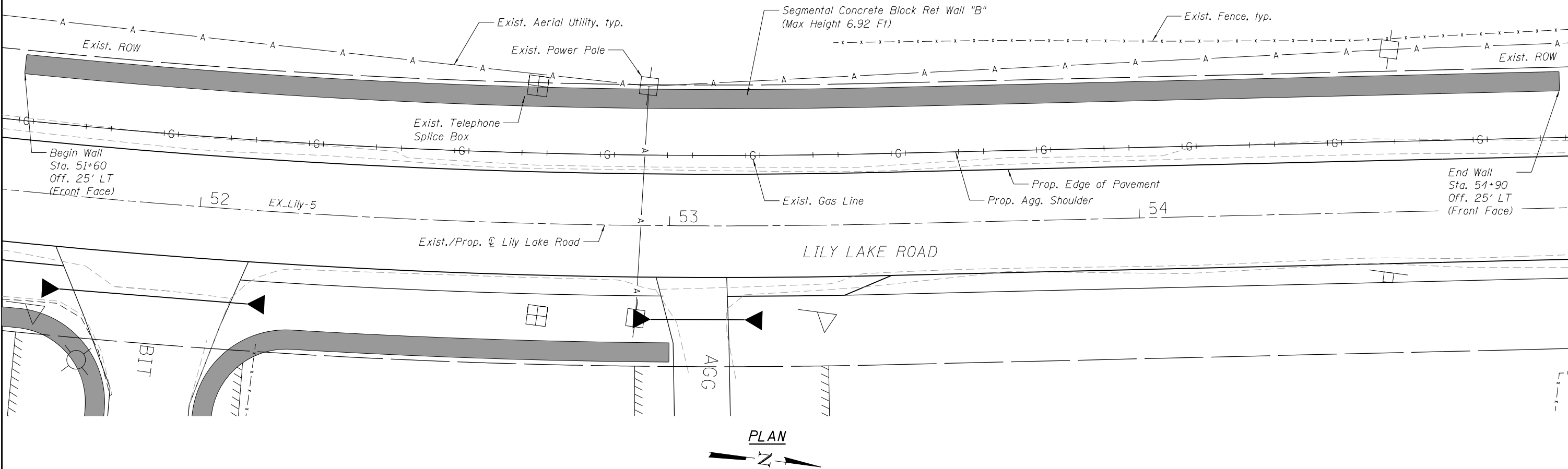
SHEET NO. 1 OF 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	25
CONTRACT NO. 61F99				

ILLINOIS FED. AID PROJECT



EXIST. CURVE EX_LILY-5
 $\Delta = 8^\circ 47' 17''$ (LT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 115.26'$
 $L = 230.07'$
 $E = 4.42'$
P.C. STA. = 51+16.67
N: 2055651.82
E: 1016699.75
P.I. STA. = 52+31.93
N: 2055767.08
E: 1016699.42
P.T. STA. = 53+46.74
N: 2055880.94
E: 1016681.49



HRG PROJECT NO.: 160444
HRG PROJ. CONTACT:
FILE NAME: 160444-str-wall_B.dgn
PLOT DRIVER: IL_Pdf.dwg.plt.ctb
PEN TABLE: plotlabel.tbl



USER NAME = bhartm	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

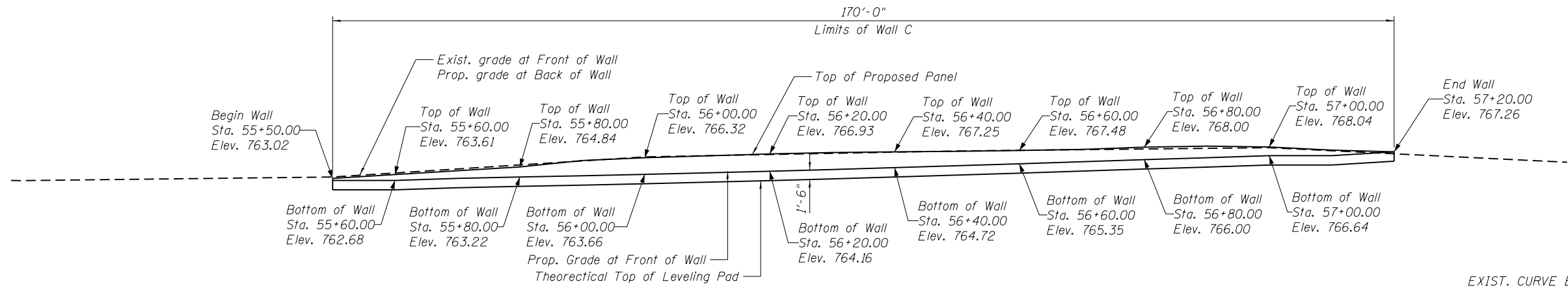
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL "B" - WEST SIDE
LILY LAKE ROAD

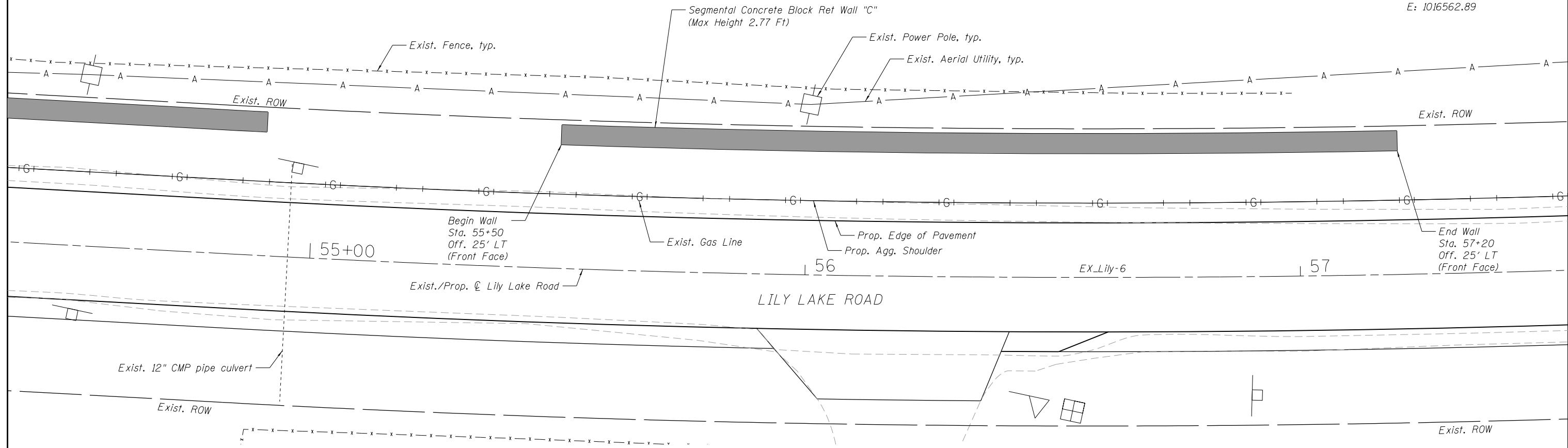
SHEET NO. 2 OF 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	26
CONTRACT NO. 61F99				

ILLINOIS FED. AID PROJECT



EXIST. CURVE EX_LILY-6
 $\Delta = 7^\circ 49' 34''$ (LT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 218.88'$
 $L = 437.09'$
 $E = 7.48'$
P.C. STA. = 54+83.93
N: 2056016.46
E: 1016660.14
P.I. STA. = 57+02.82
N: 2056232.68
E: 1016626.07
P.T. STA. = 59+21.02
N: 2056442.25
E: 1016562.89



HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-str-wall_C.dgn
 PLOT DRIVER: IL_Pdf.dwg.plt
 PEN TABLE: plotlabel.tbl



USER NAME = bhartma	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

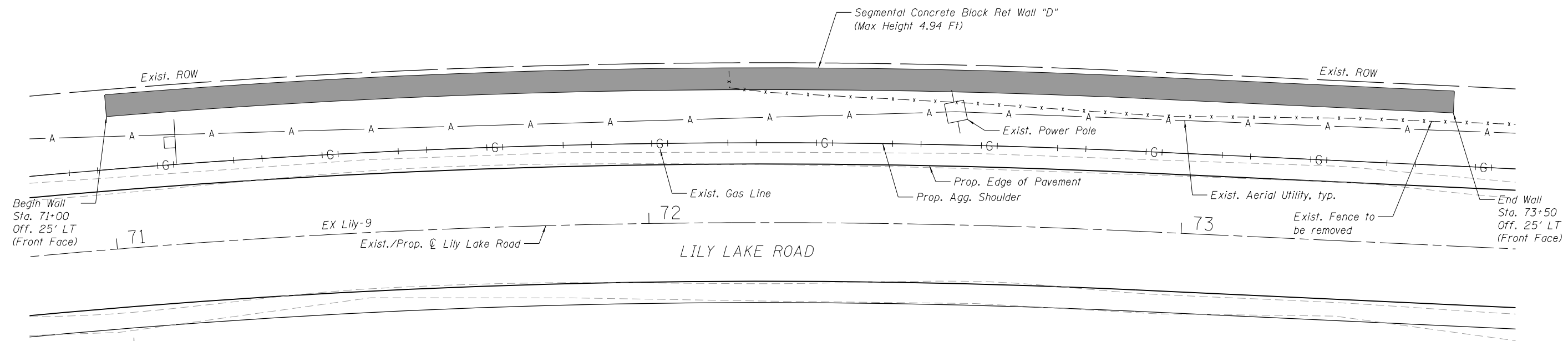
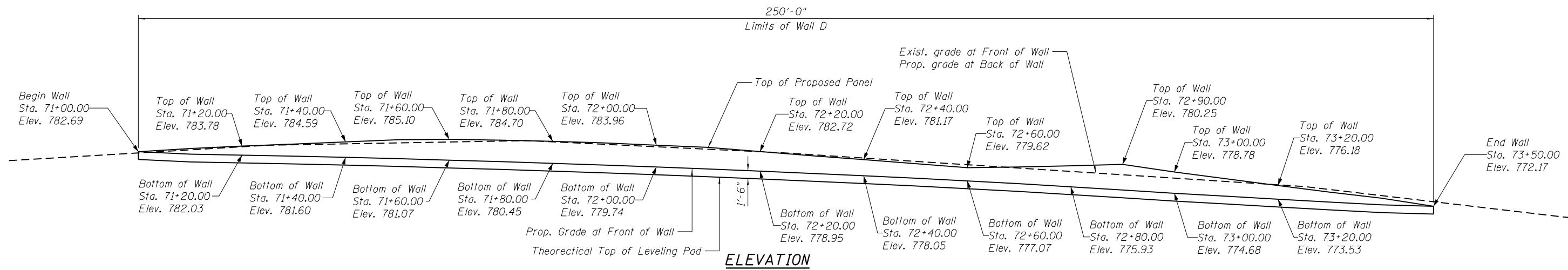
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL "C" - WEST SIDE
 LILY LAKE ROAD**

SHEET NO. 3 OF 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	27
				CONTRACT NO. 61F99

ILLINOIS FED. AID PROJECT



EXIST. CURVE EX_LILY-9
 $\Delta = 8^\circ 38' 30''$ (RT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 113.33'$
 $L = 226.24$
 $E = 4.28'$
P.C. STA. = 70+65.69
 $N = 2057572.45$
 $E = 1016495.24$
P.I. STA. = 71+79.03
 $N = 2057685.31$
 $E = 1016505.65$
P.T. STA. = 72+65.69
 $N = 2057795.31$
 $E = 1016532.90$

HRG PROJECT NO.: 160444
HRG PROJ. CONTACT:
FILE NAME: 160444-str-wall.Dwg
PLOT DRIVER: IL_Pdf.dwg
PEN TABLE: plotlabel.tbl



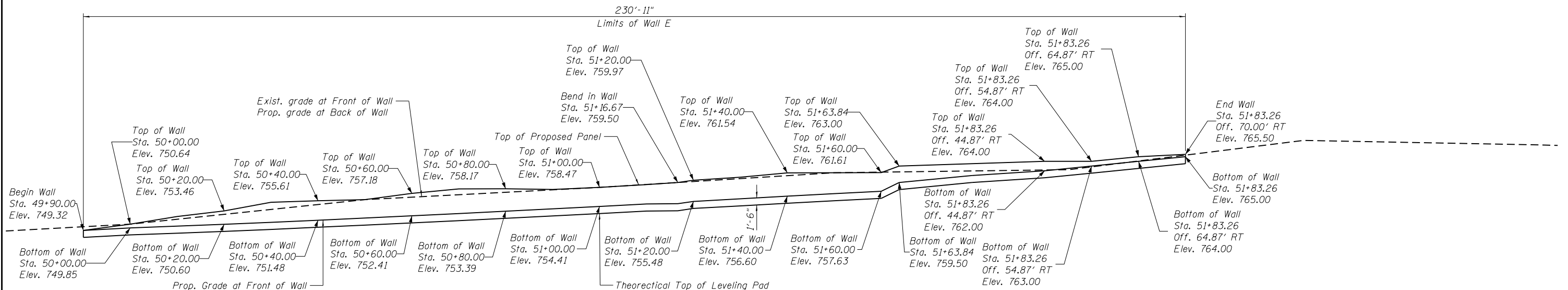
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	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

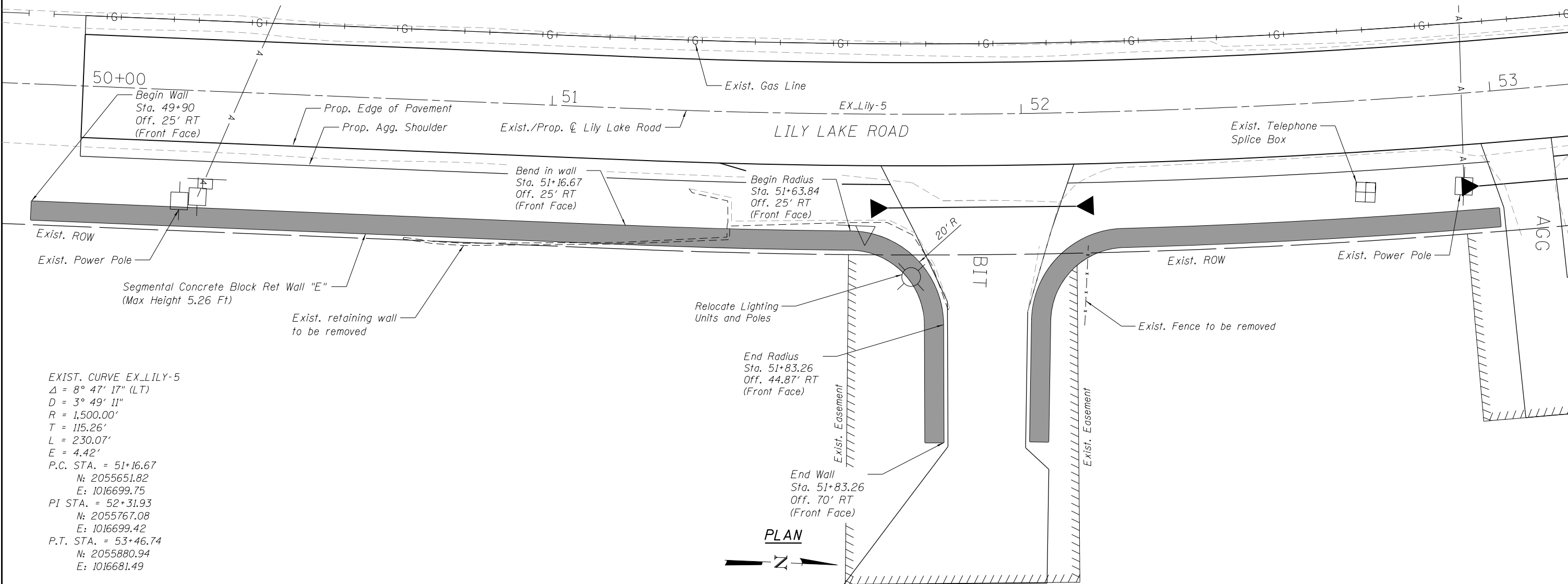
RETAINING WALL "D" - WEST SIDE
LILY LAKE ROAD

SHEET NO. 4 OF 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	28
CONTRACT NO. 61F99			ILLINOIS FED. AID PROJECT	



ELEVATION



PLAN

EXIST. CURVE EX_LILY-5
 $\Delta = 8^\circ 47' 17''$ (LT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 115.26'$
 $L = 230.07'$
 $E = 4.42'$
P.C. STA. = 51+16.67
N: 2055651.82
E: 1016699.75
P.I. STA. = 52+31.93
N: 2055767.08
E: 1016699.42
P.T. STA. = 53+46.74
N: 2055880.94
E: 1016681.49

HRG PROJECT NO.: 160444
HRG PROJ. CONTACT:
FILE NAME: 160444-str-wall_E.dgn
PLOT DRIVER: IL_Pdf.dwg.plt
PEN TABLE: plotlabel.tbl



USER NAME = bhartma	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

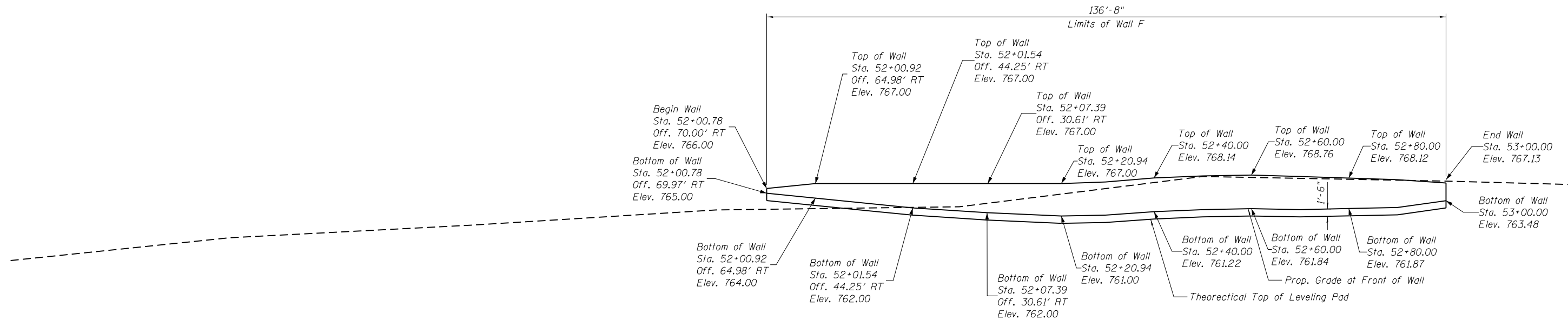
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RETAINING WALLS "E" - EAST SIDE
LILY LAKE ROAD**

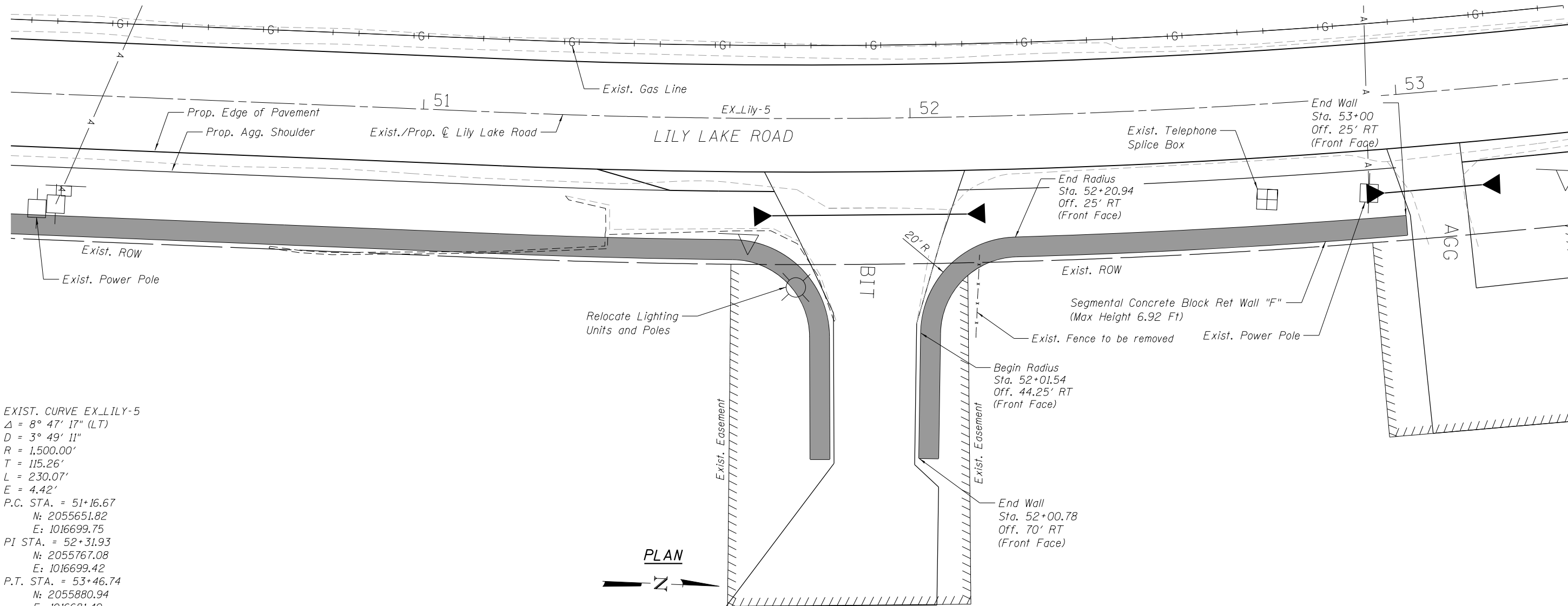
SHEET NO. 5 OF 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	29
CONTRACT NO. 61F99				

ILLINOIS FED. AID PROJECT



ELEVATION



PLAN

EXIST. CURVE EX_LILY-5
 $\Delta = 8^\circ 47' 17''$ (LT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 115.26'$
 $L = 230.07'$
 $E = 4.42'$
P.C. STA. = 51+16.67
N: 2055651.82
E: 1016699.75
P.I. STA. = 52+31.93
N: 2055767.08
E: 1016699.42
P.T. STA. = 53+46.74
N: 2055880.94
E: 1016681.49

HRG PROJECT NO.: 160444
HRG PROJ. CONTACT:
FILE NAME: 160444-st-r-wall-F.dgn
PLOT DRIVER: IL_Pdf.dwg, P1.ctb
PEN TABLE: plotlabel.tbl



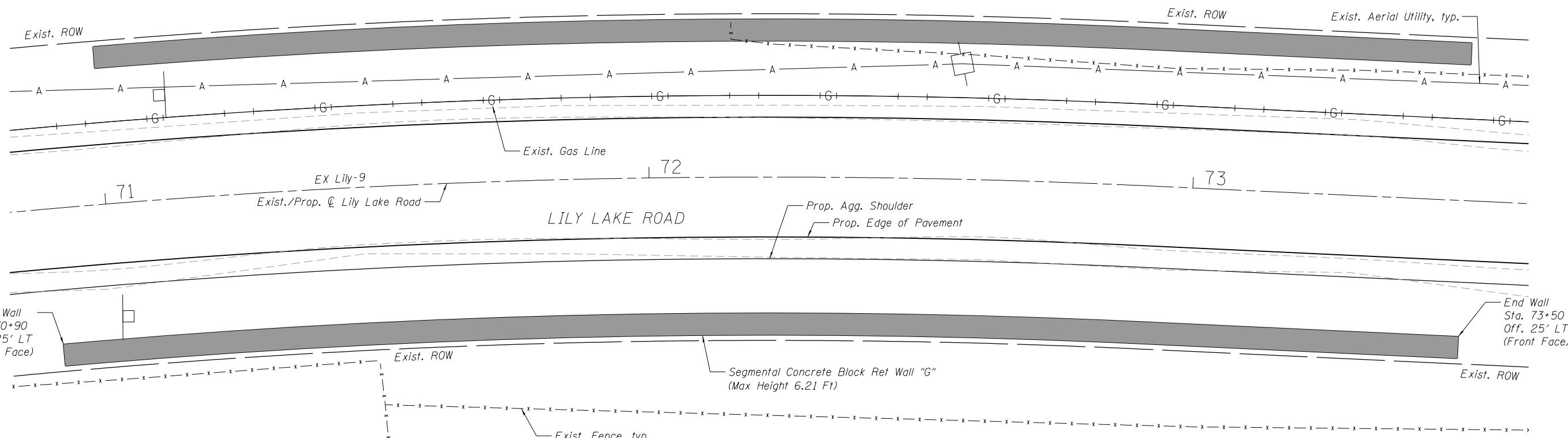
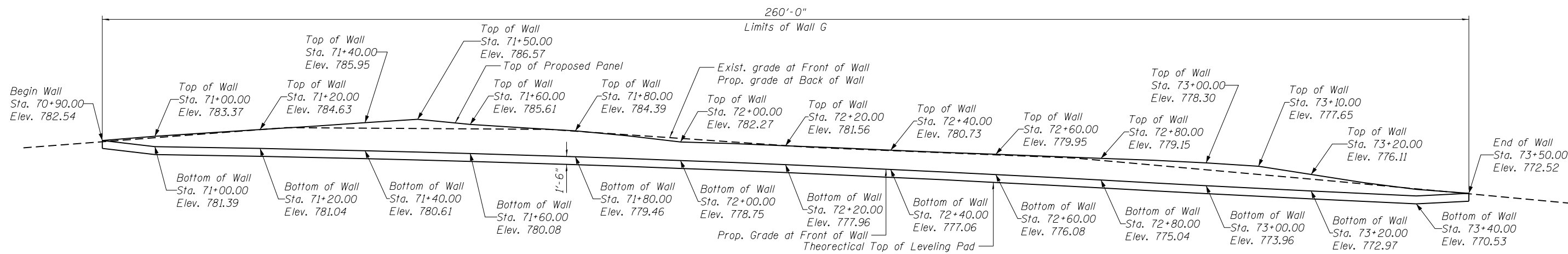
USER NAME = bhartma	DESIGNED - BH	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED - AC	REVISED -
PLOT DATE = 8/26/2019	DATE - 8/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RETAINING WALLS "F" - EAST SIDE
LILY LAKE ROAD**

SHEET NO. 6 OF 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	30
CONTRACT NO. 61F99			ILLINOIS FED. AID PROJECT	



EXIST. CURVE EX_LILY-9
 $\Delta = 8^\circ 38' 30''$ (RT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 113.33'$
 $L = 226.24$
 $E = 4.28'$
P.C. STA. = 70+65.69
N: 2057572.45
E: 1016495.24
PI STA. = 71+79.03
N: 2057685.31
E: 1016505.65
P.T. STA. = 72+65.69
N: 2057795.31
E: 1016532.90



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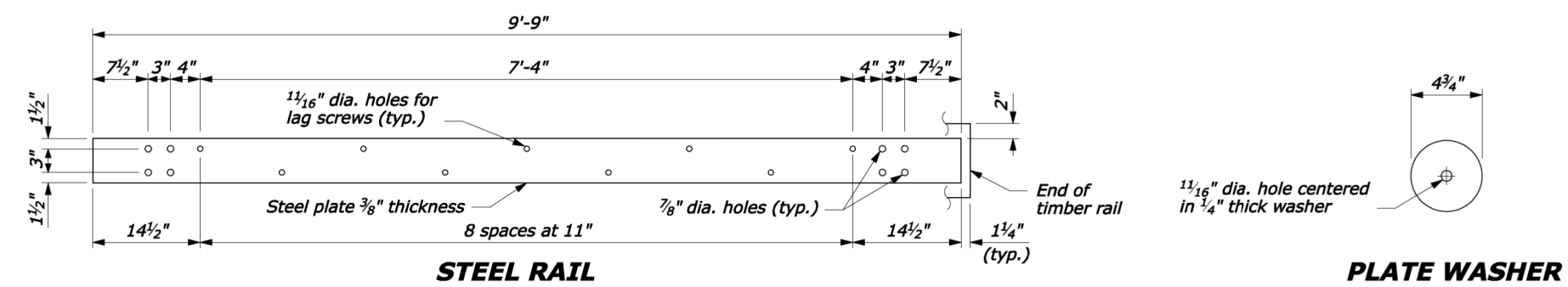


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	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

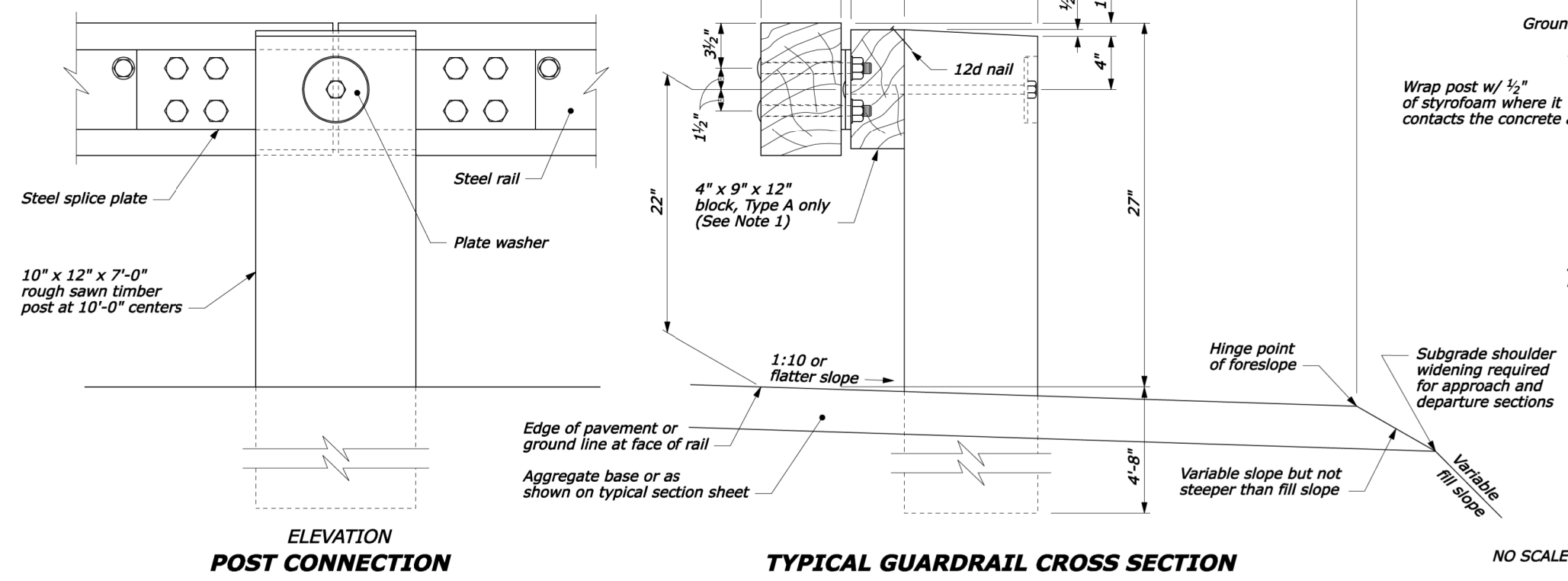
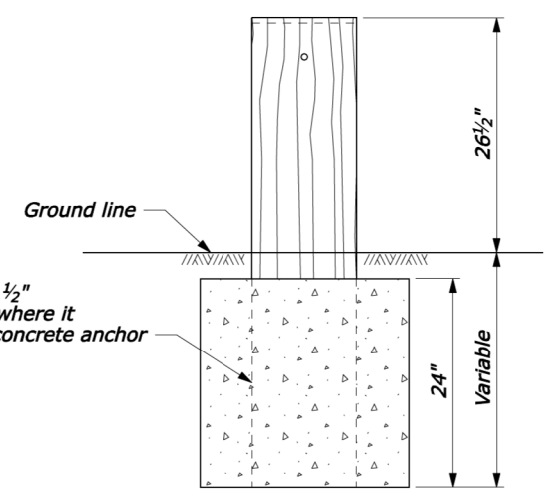
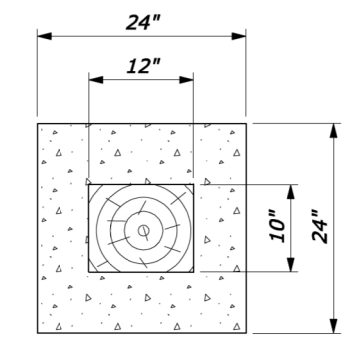
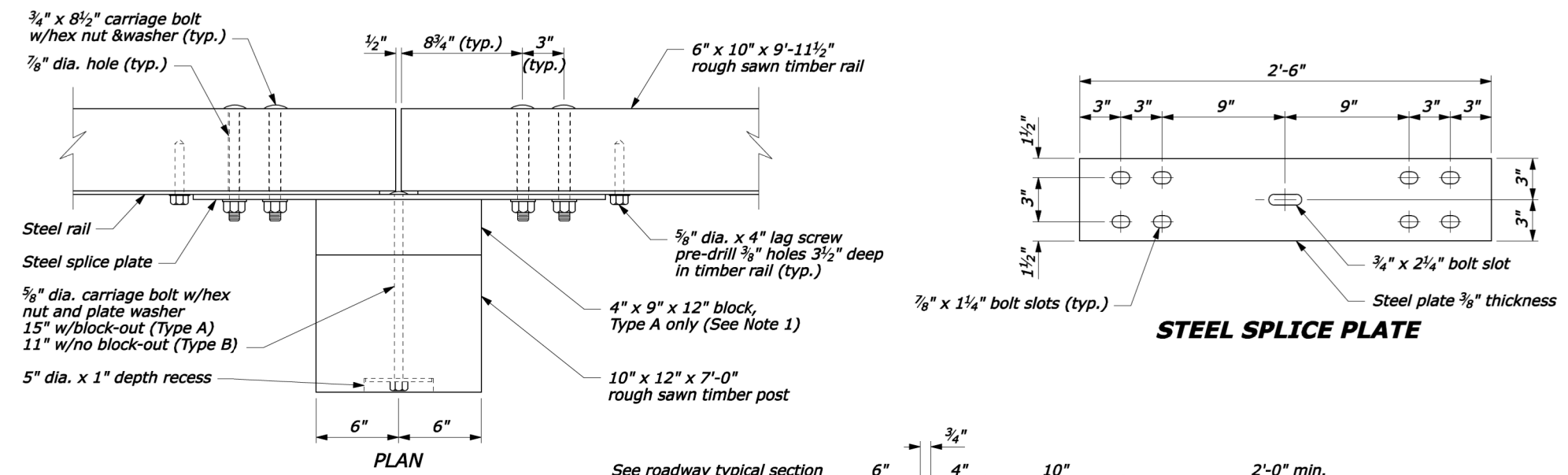
RETAINING WALL "G" - EAST SIDE
LILY LAKE ROAD
SHEET NO. 7 OF 7 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	31
CONTRACT NO. 61F99			ILLINOIS FED. AID PROJECT	



NOTE:

1. Use the Type A, blocked-out, system or the Type B, non-blocked-out, system as specified in the plans.
2. Use weathering steel for all structural steel and fastener hardware as specified.



24" dia. round anchor is an acceptable alternative. Reduced size acceptable in solid rock.

CONCRETE ANCHOR FOR SHORT GUARDRAIL POST

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
STEEL-BACKED TIMBER GUARDRAIL TYPE A & TYPE B	
STANDARD APPROVED FOR USE 3/1990 REVISED: 4/1994 6/2005	STANDARD 617-60

NO SCALE

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	

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PLOT DATE = 8/26/2019	CHECKED - AC	REVISED -
	DATE - 8/25/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIMBER GUARDRAIL DETAILS
LILY LAKE ROAD

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	32
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61F99	

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BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

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BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	
STRUCTURE	
NOTATRS CHKD	
NO.	

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HRGreen.com
 Micro Professional Design Firm
 #184-001322

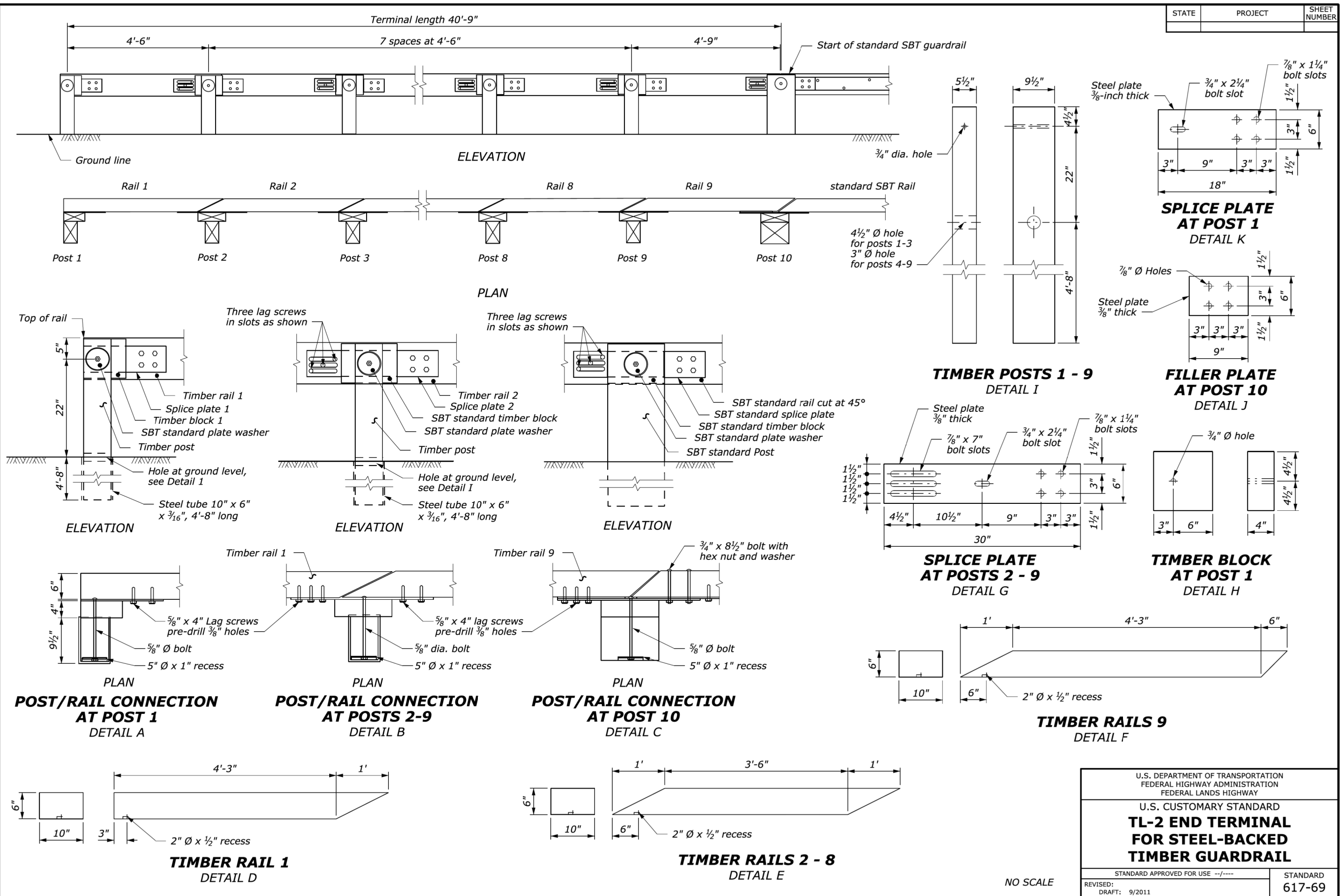
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TIMBER GUARDRAIL DETAILS
 LILY LAKE ROAD

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

STATE	PROJECT	SHEET NUMBER
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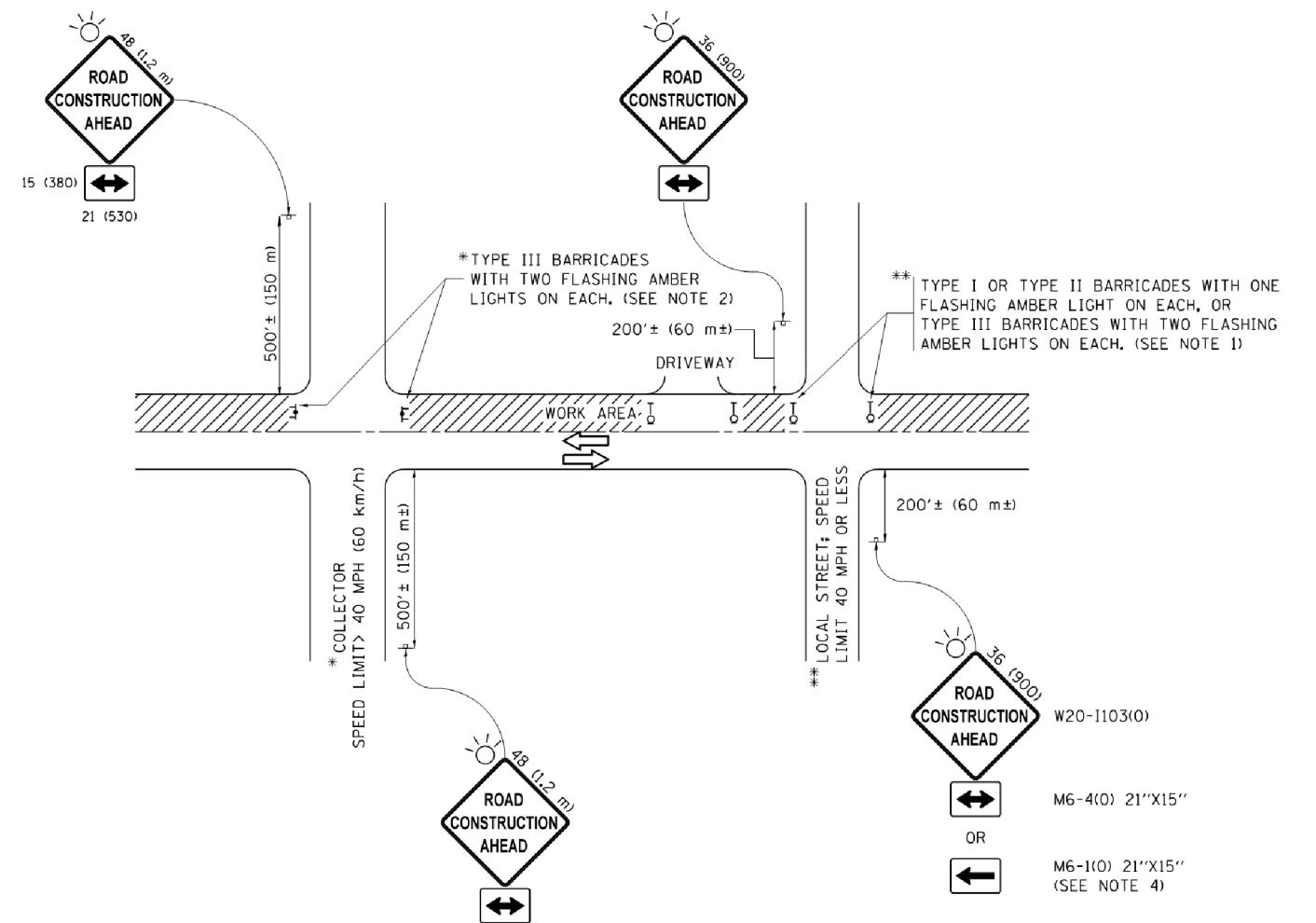
U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD
**TL-2 END TERMINAL
 FOR STEEL-BACKED
 TIMBER GUARDRAIL**

STANDARD APPROVED FOR USE --/----

REVISED:	STANDARD
DRAFT: 9/2011	617-69

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-5P	MCHENRY	51	33
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61F99		



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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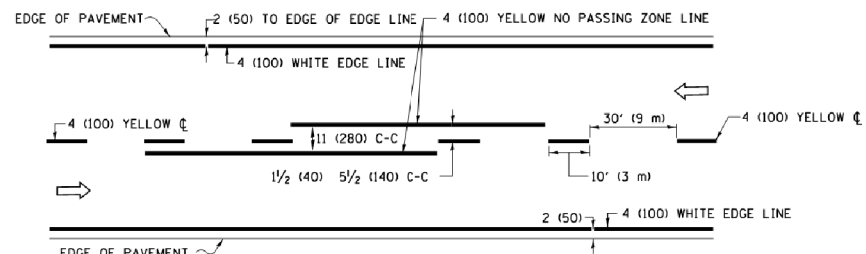
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

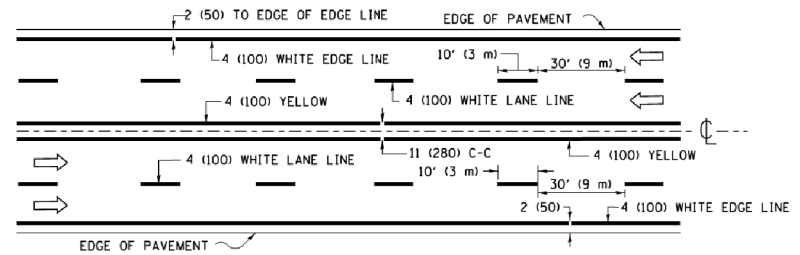
**TRAFFIC CONTROL AND PROTECTION FOR
 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

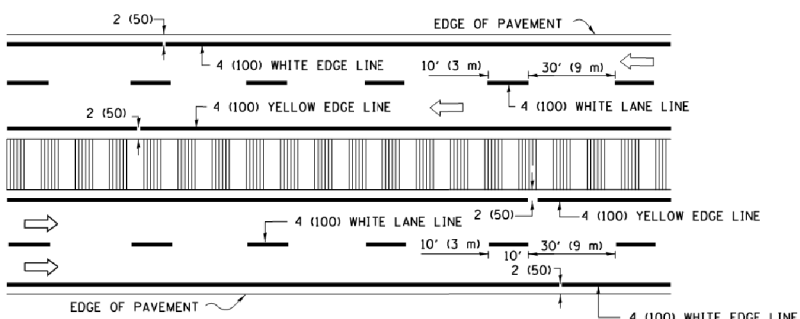
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	34
TC-10			CONTRACT NO. 61F99	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

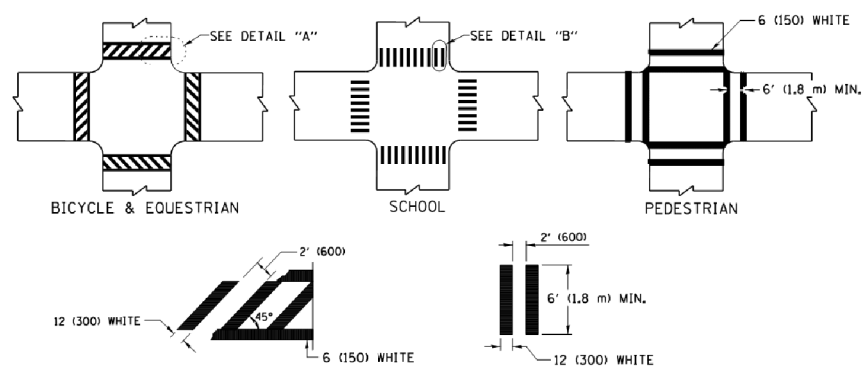


MULTI-LANE UNDIVIDED



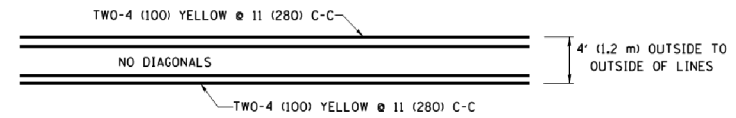
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

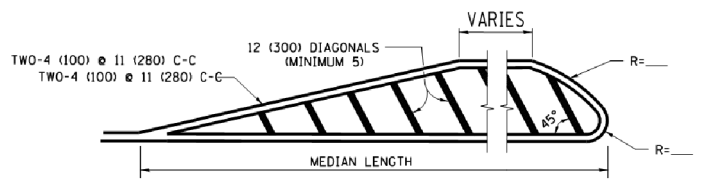


TYPICAL CROSSWALK MARKING

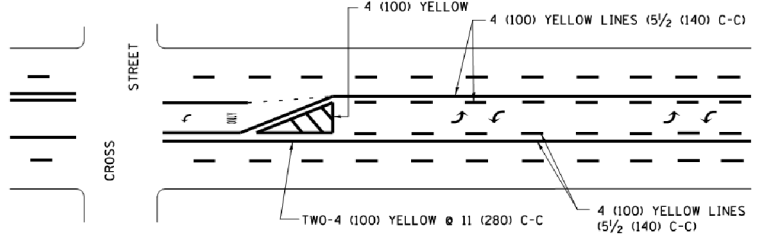
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



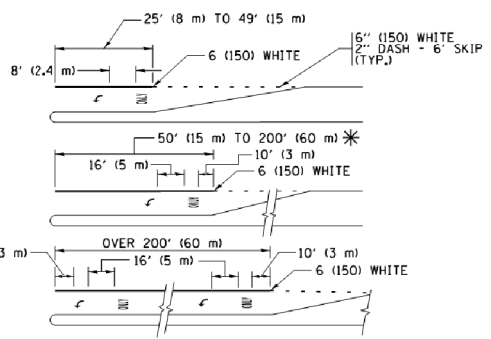
4' (1.2 m) WIDE MEDIANS ONLY



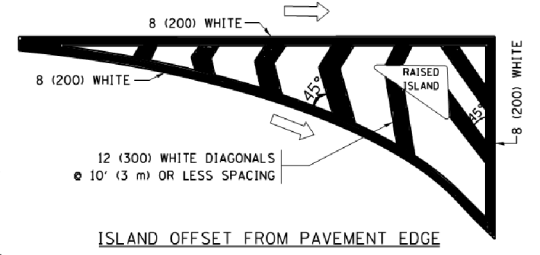
MEDIANS OVER 4' (1.2 m) WIDE



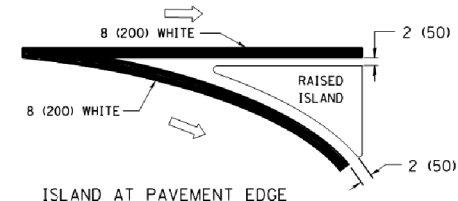
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



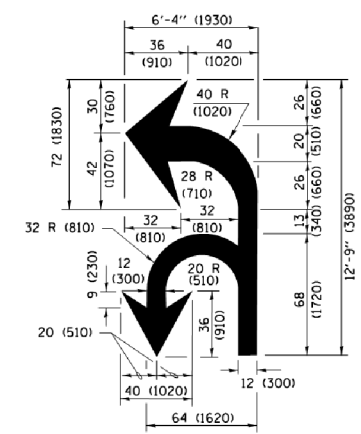
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



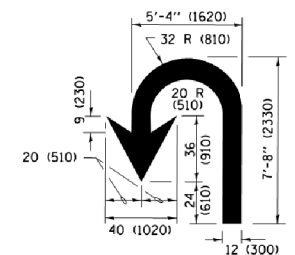
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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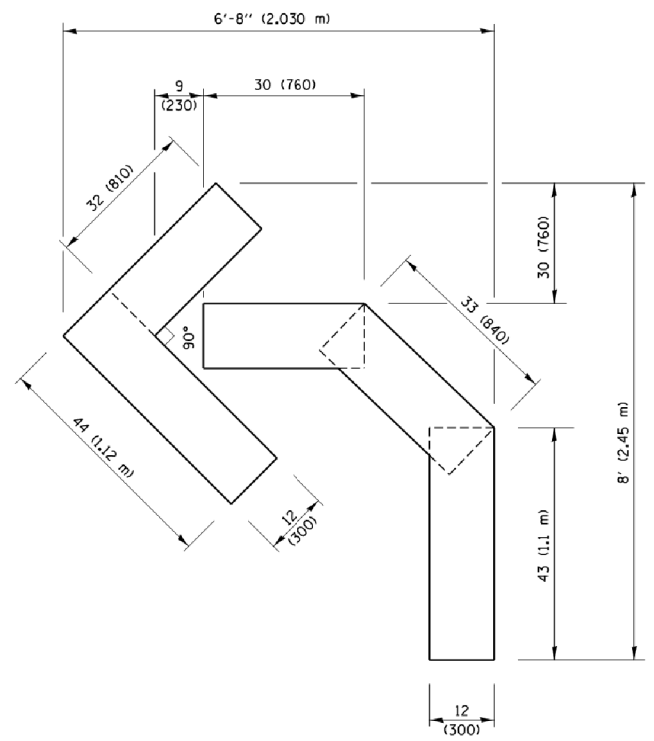
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

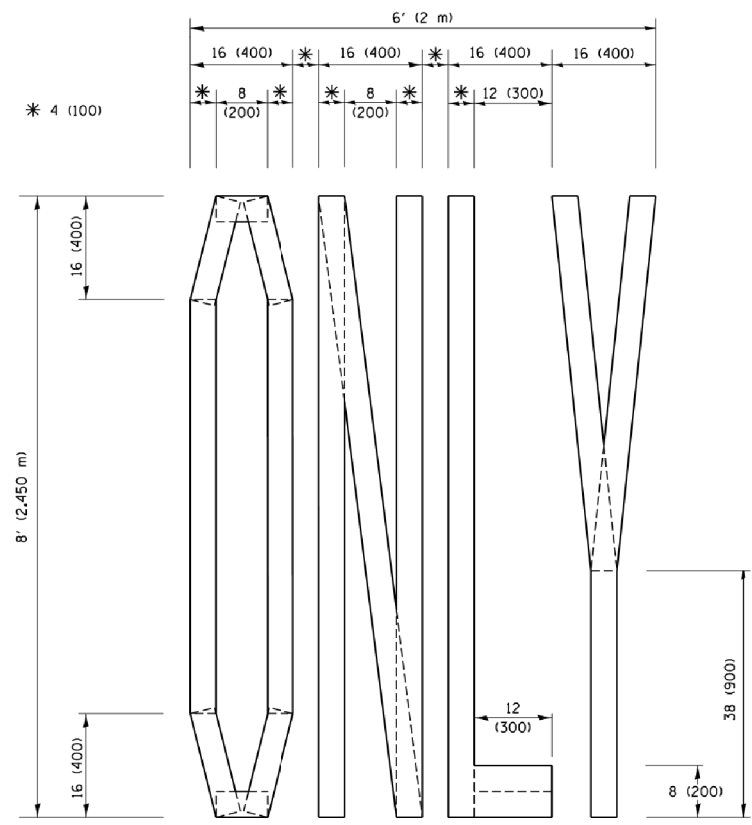
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	35
TC-13			CONTRACT NO.	61F99
ILLINOIS FED. AID PROJECT				

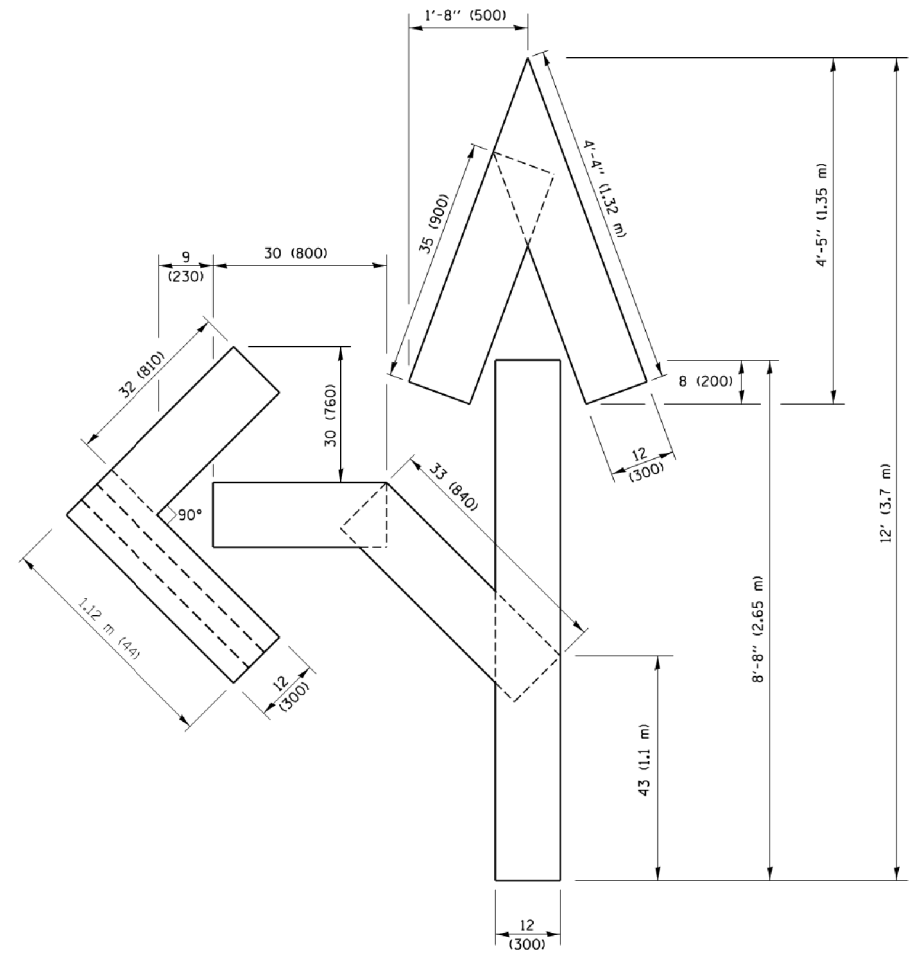
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QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

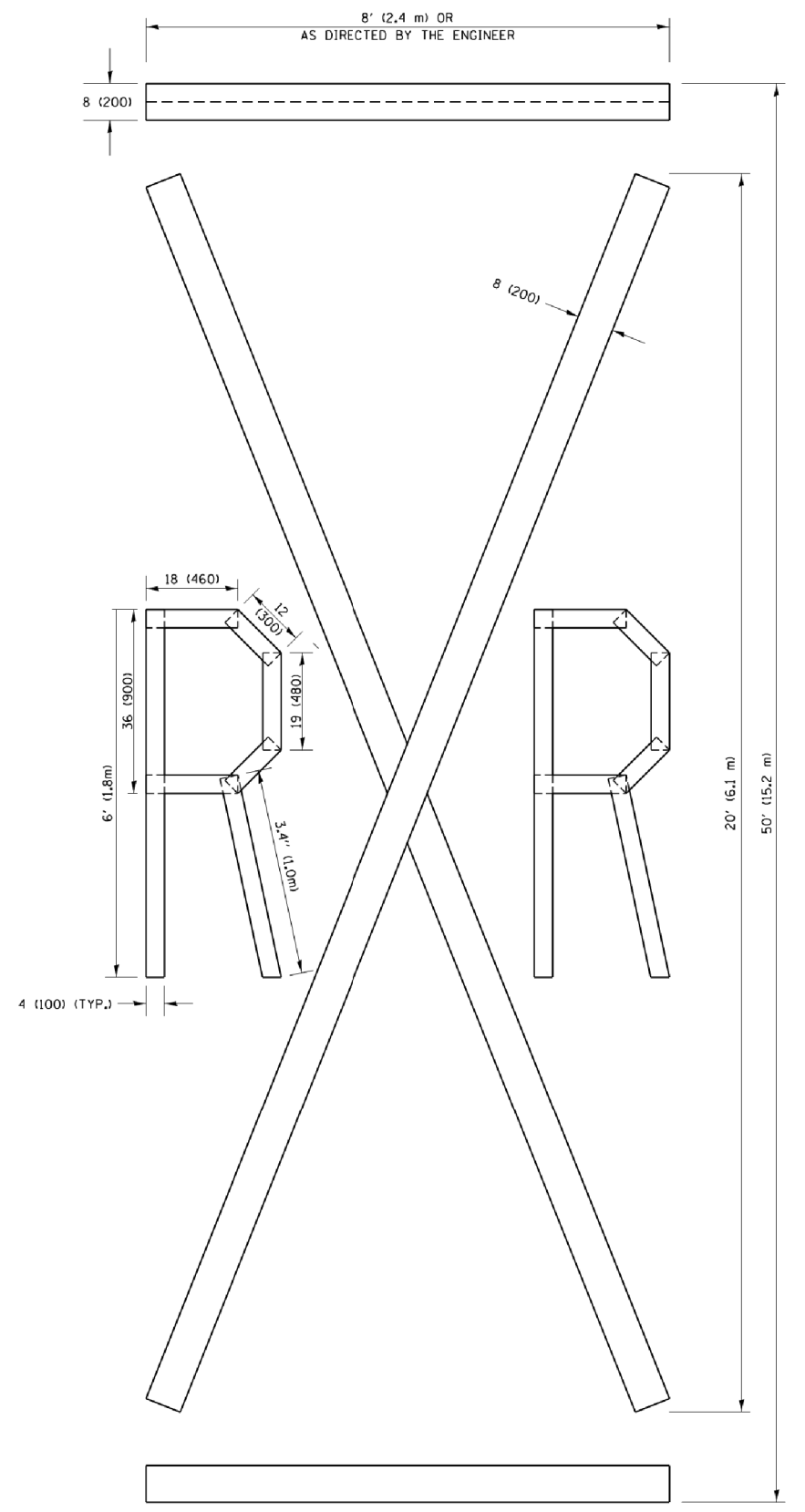


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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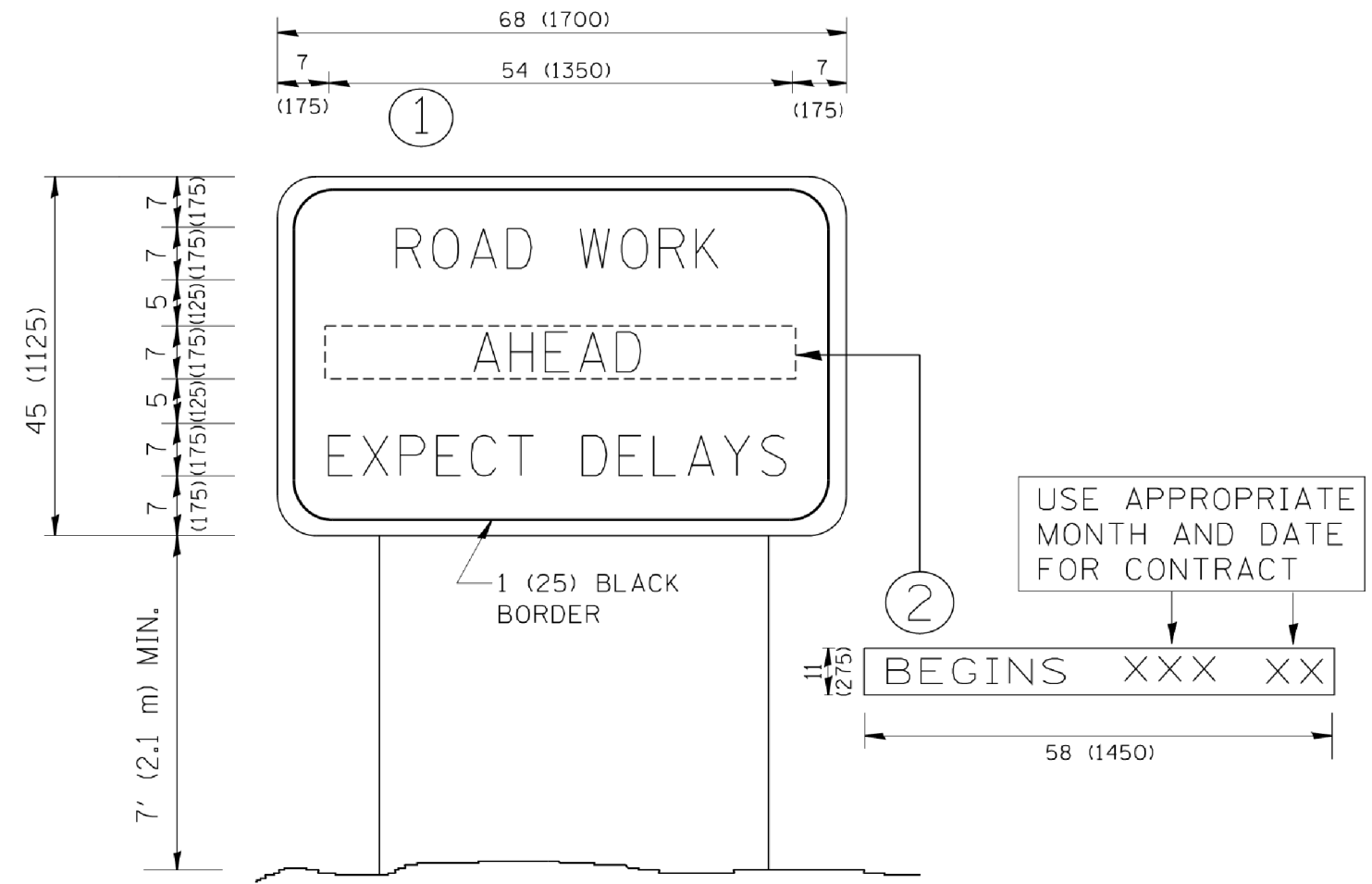
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		CHECKED -	REVISED -E. GOMEZ 08-28-00
PLOT SCALE = 50.0000' / in.		DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	36
TC-16		CONTRACT NO. 61F99		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

COMPANY NAME: *COMPANY NAME*
 PROJECT CONTACT: *PROJECT CONTACT*
 DATE PLOTTED: 8/26/2019 12:25:58 PM
 FILE NAME: 160444-shr-det_tc22.dgn
 PLOT DRIVER: ILpdf.plt
 PEN TABLE: plotlabel.tbl



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
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		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

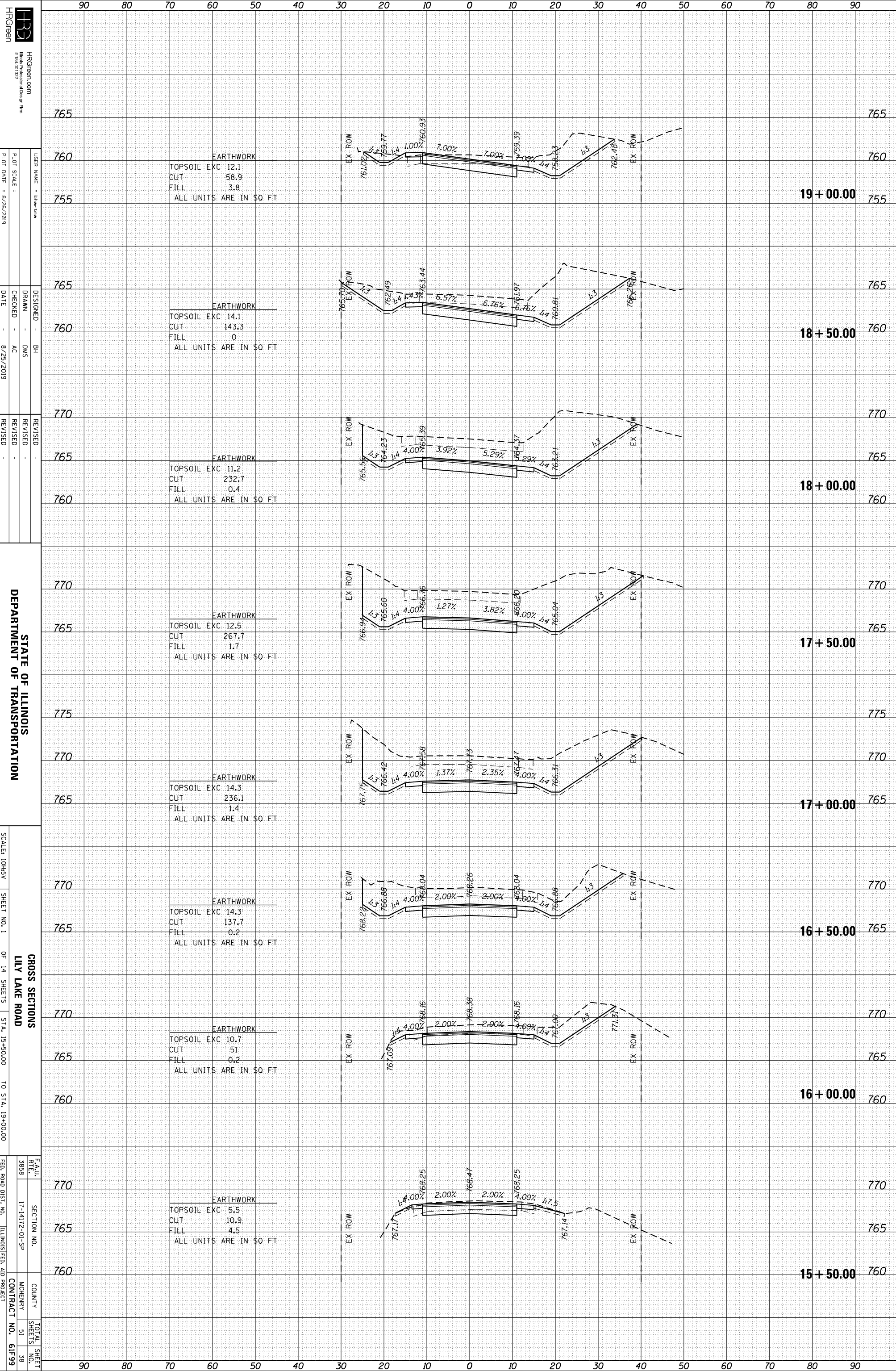
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3858	17-14172-01-SP	MCHENRY	51	37
TC-22			CONTRACT NO. 61F99	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
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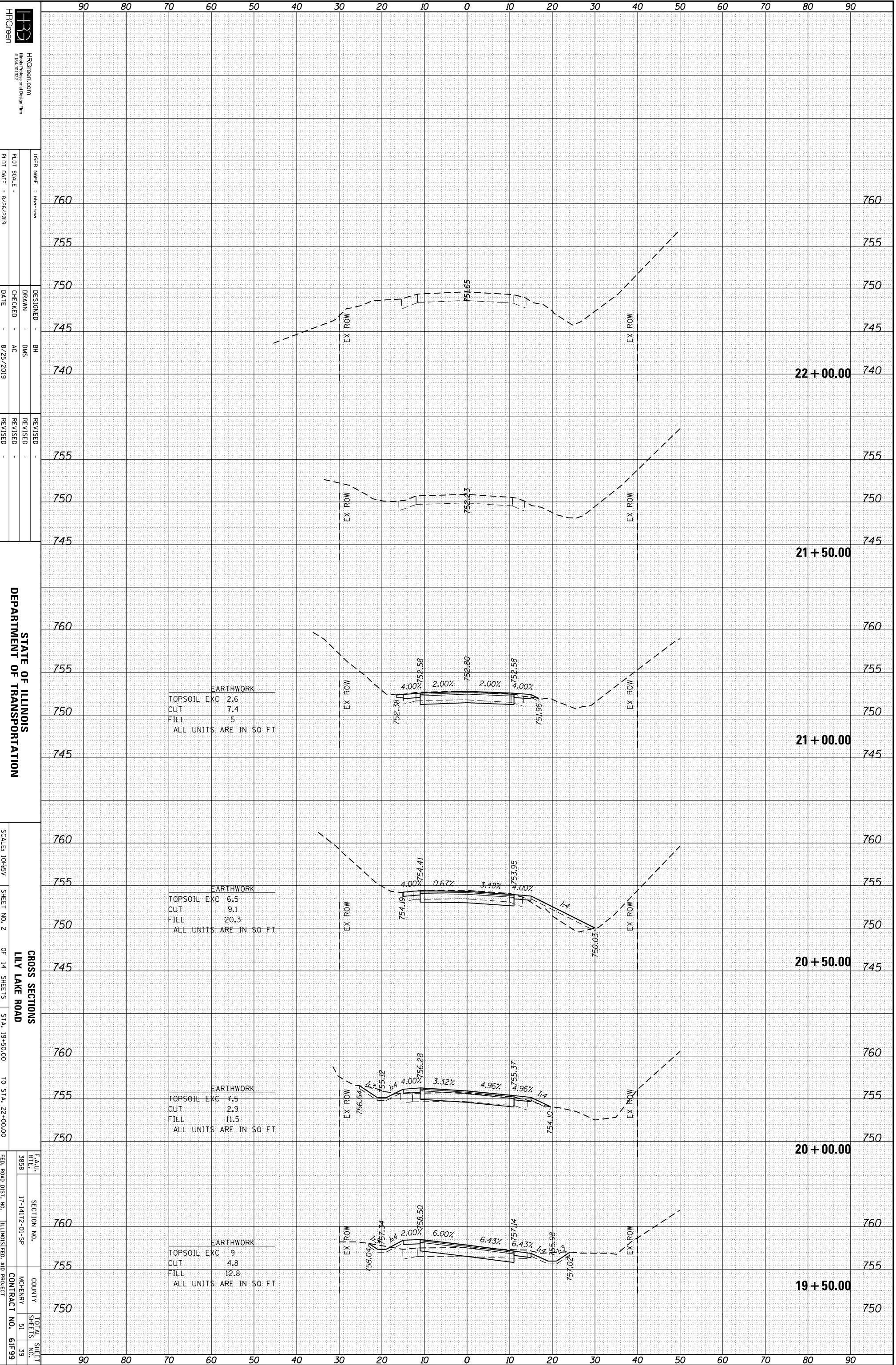


HRCGreen
 HRCGreen.com
 #160444222
 USER NAME: bhartono
 DESIGNER: BH
 DRAFTER: DMS
 CHECKED: AC
 DATE: 8/25/2019
 REVISIONS:
 REVISION NO. 1
 REVISION DESCRIPTION
 DATE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 LILY LAKE ROAD
 SCALE: 10H:5V
 SHEET NO. 1 OF 14 SHEETS
 STA. 15+50.00 TO STA. 19+00.00
 COUNTY: MCHENNY
 CONTRACT NO. 61F99
 TOTAL SHEETS: 51
 SHEET NO.: 38

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LILY LAKE ROAD
 STA. 19+50.00 TO STA. 22+00.00

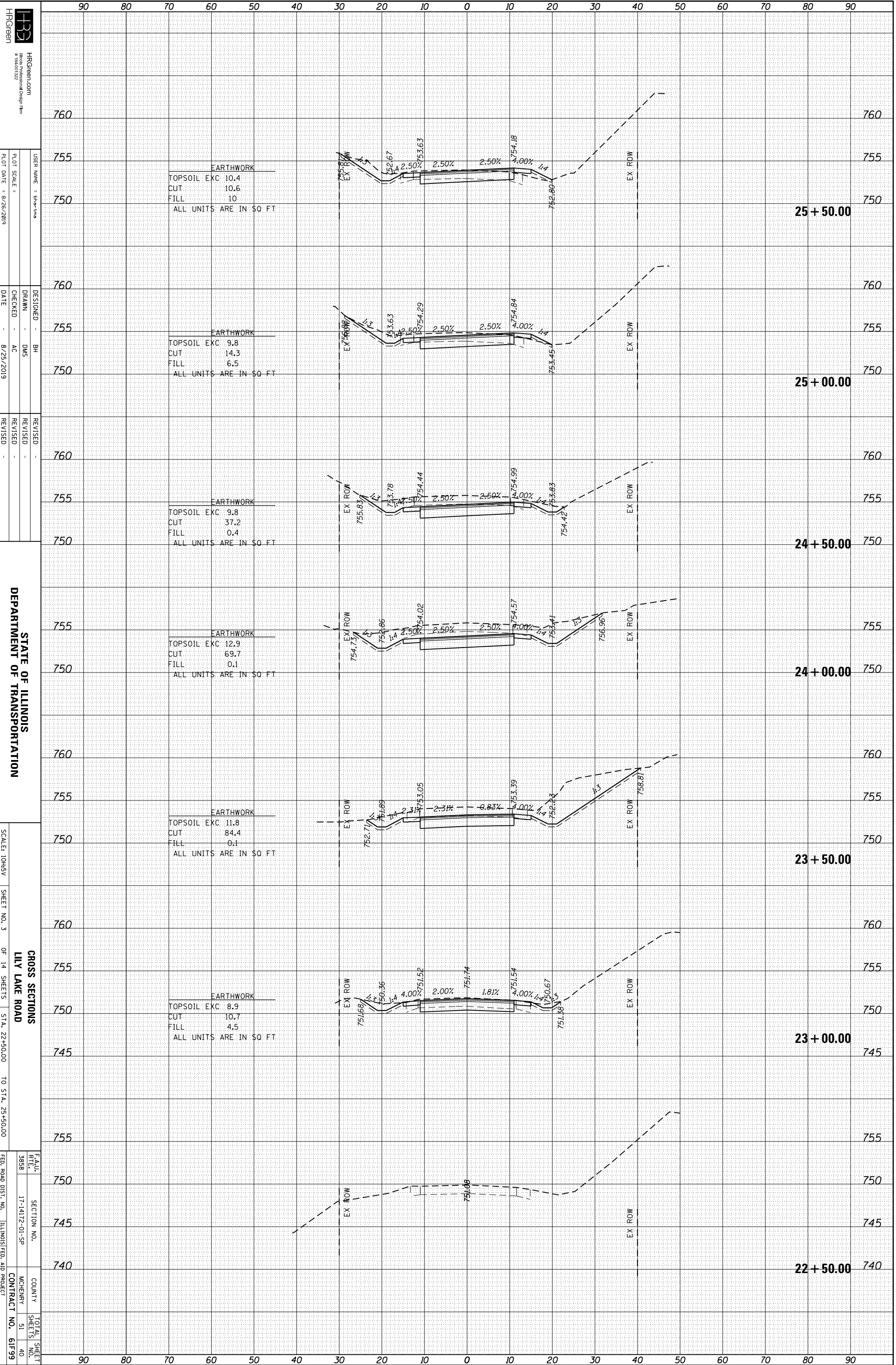
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEET NO.
388B	17-1417Z-01-SP	MCHENNY	51
			39

CONTRACT NO. 61F99

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfp
 PEN TABLE: plotlabel.tbl

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

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



HRCGreen
 HRCGreen.com
 #164-01222

USER NAME: bh-hrc
 DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019

DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019

REVISIONS:
 REVISION NO. | DATE | DESCRIPTION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 10HSV
 SHEET NO. 3 OF 14 SHEETS

CROSS SECTIONS
 LILY LAKE ROAD
 STA. 22+50.00 TO STA. 25+50.00

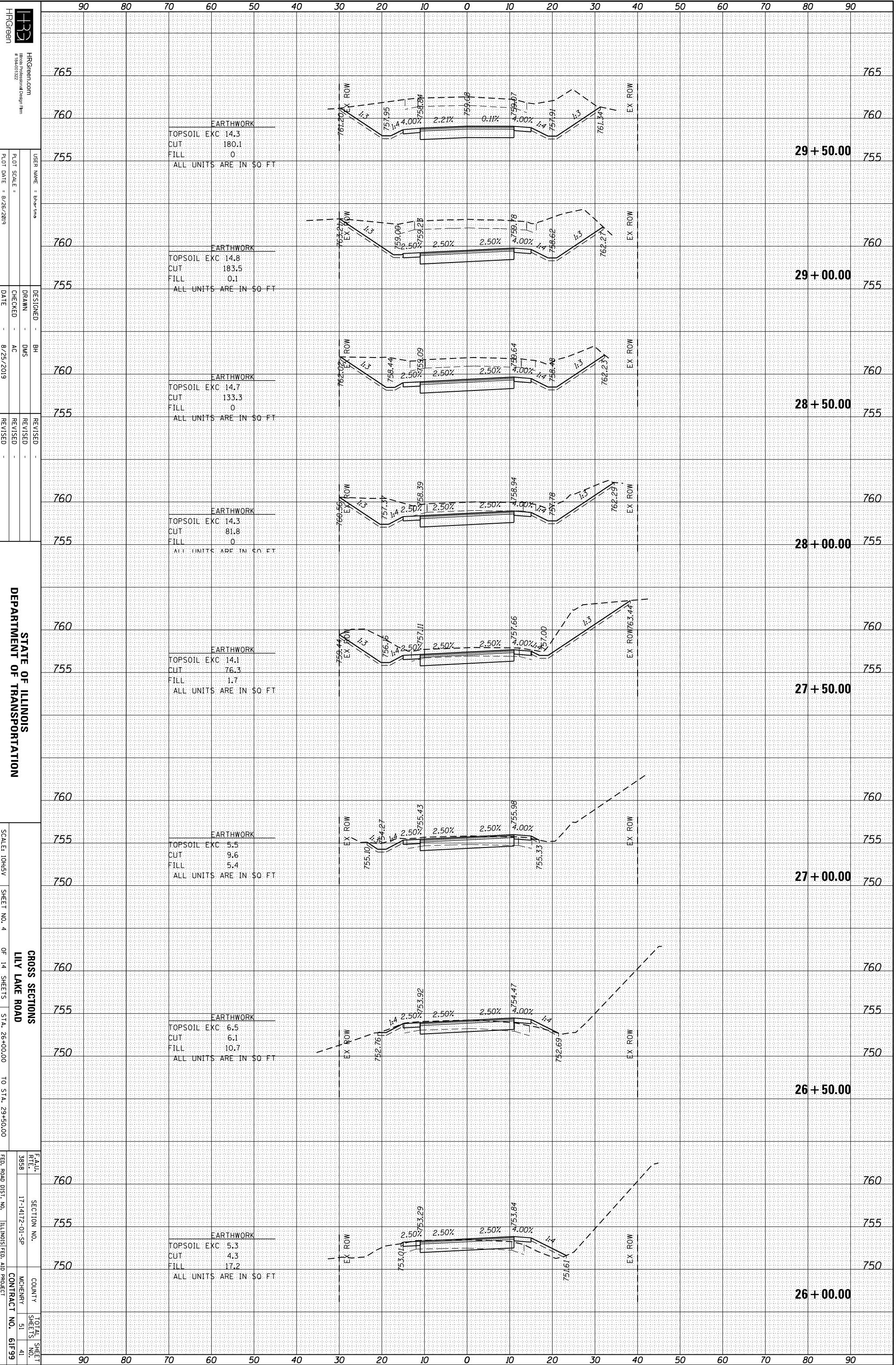
F.A.U. RT# 3888
 SECTION NO. 17-1417Z-01-SP
 COUNTY MCHENNY
 CONTRACT NO. 61F99

TOTAL SHEET NO. 51

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfp
 PEN TABLE: plotlabel.tbl

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

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



HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bh@hrc.com
 PLOT SCALE: 1"=40'
 PLOT DATE: 8/26/2019

DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019

REVISIONS
 REVISION NO. 1
 REVISION DESCRIPTION: 1:1 SCALE
 DATE: 8/25/2019

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SCALE: 1"=40'
 SHEET NO. 4 OF 14 SHEETS
 STA. 26+00.00 TO STA. 29+50.00

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
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26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
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26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

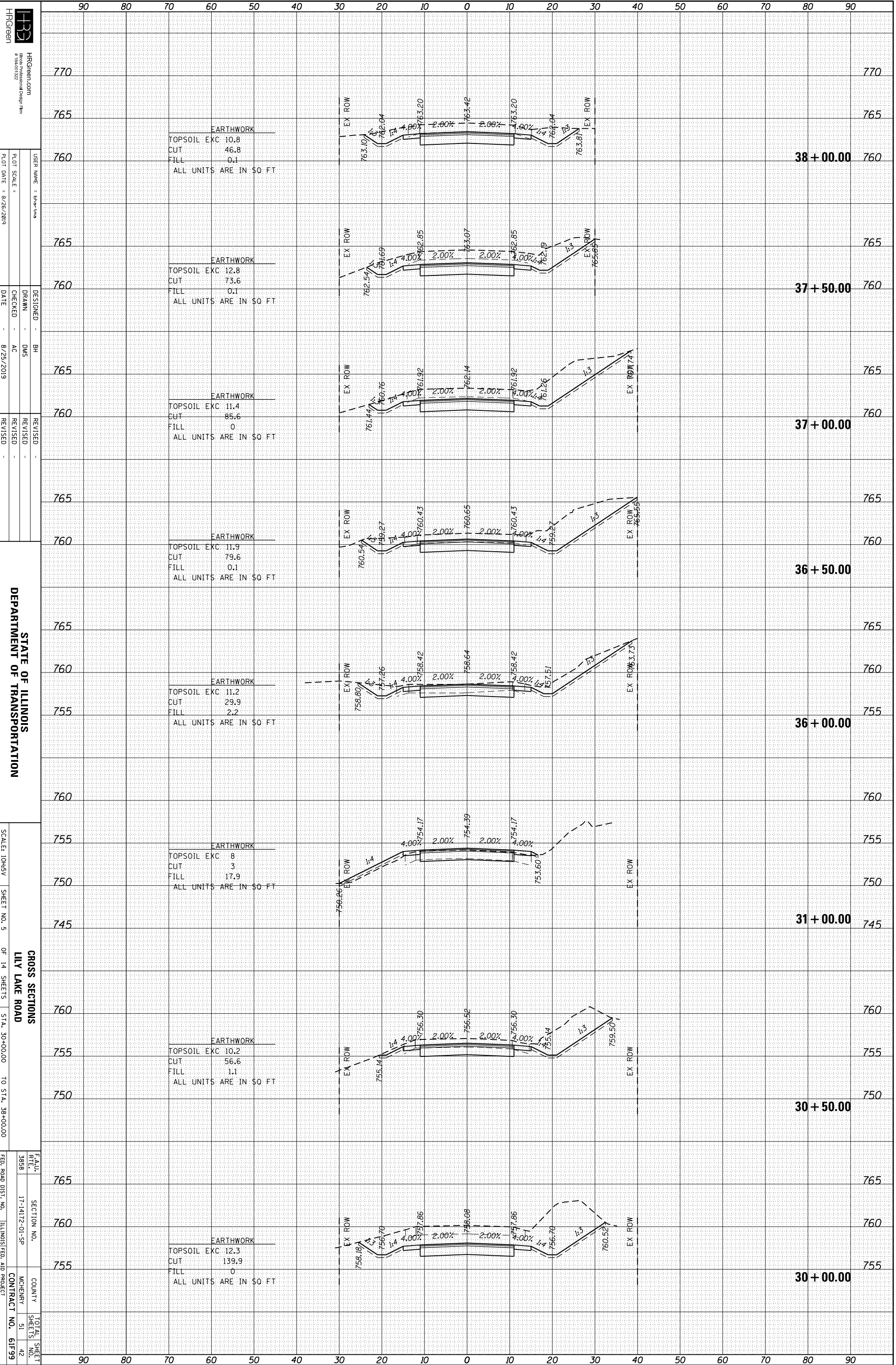
STATION	ELEVATION	TOPSOIL EXC	CUT	FILL	ALL UNITS ARE IN SQ. FT.
29+50.00	765	14.3	180.1	0	
29+00.00	760	14.8	183.5	0.1	
28+50.00	760	14.7	133.3	0	
28+00.00	760	14.3	81.8	0	
27+50.00	760	14.1	76.3	1.7	
27+00.00	755	5.5	9.6	5.4	
26+50.00	750	6.5	6.1	10.7	
26+00.00	750	5.3	4.3	17.2	

STATION

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfgr
 PEN TABLE: plotlabel.tbl

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

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



HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bh@hrc.com
 PLOT SCALE: 1"=40'
 PLOT DATE: 8/26/2019

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

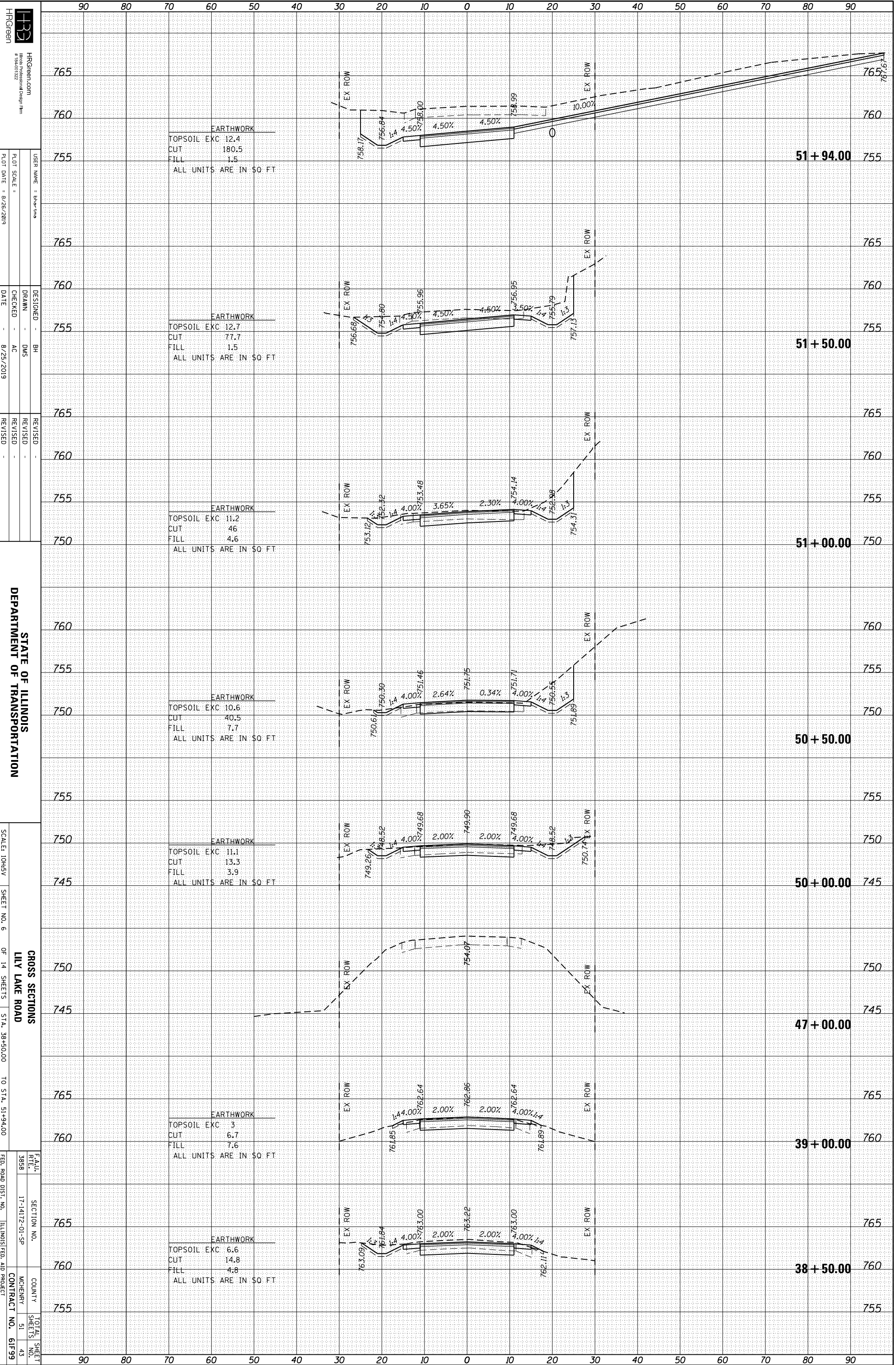
SCALE: 1"=40'
 SHEET NO. 5 OF 14 SHEETS
 STA. 30+00.00 TO STA. 38+00.00

CROSS SECTIONS
 LILY LAKE ROAD
 COUNTY: MCHENNY
 SECTION NO.: 17-1417Z-01-SP
 TOTAL SHEETS: 51
 SHEET NO.: 42
 CONTRACT NO.: 61F99

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfgr
 PEN TABLE: plotlabel.tbl

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

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



EARTHWORK
 TOPSOIL EXC 12.4
 CUT 180.5
 FILL 1.5
 ALL UNITS ARE IN SQ FT

EARTHWORK
 TOPSOIL EXC 12.7
 CUT 77.7
 FILL 1.5
 ALL UNITS ARE IN SQ FT

EARTHWORK
 TOPSOIL EXC 11.2
 CUT 46
 FILL 4.6
 ALL UNITS ARE IN SQ FT

EARTHWORK
 TOPSOIL EXC 10.6
 CUT 40.5
 FILL 7.7
 ALL UNITS ARE IN SQ FT

EARTHWORK
 TOPSOIL EXC 11.1
 CUT 13.3
 FILL 3.9
 ALL UNITS ARE IN SQ FT

EARTHWORK
 TOPSOIL EXC 3
 CUT 6.7
 FILL 7.6
 ALL UNITS ARE IN SQ FT

EARTHWORK
 TOPSOIL EXC 6.6
 CUT 14.8
 FILL 4.8
 ALL UNITS ARE IN SQ FT

HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bh@hrcgreen.com
 DESIGNER: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019
 REVISIONS:
 REVISION NO. | DESCRIPTION | DATE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 LILY LAKE ROAD
 STA. 38+50.00 TO STA. 51+94.00
 SCALE: 10H:5V
 SHEET NO. 6 OF 14 SHEETS

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90
 765
 760
 755
 765
 760
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 765
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 765
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 755
 765
 760
 755

51 + 94.00

51 + 50.00

51 + 00.00

50 + 50.00

50 + 00.00

47 + 00.00

39 + 00.00

38 + 50.00

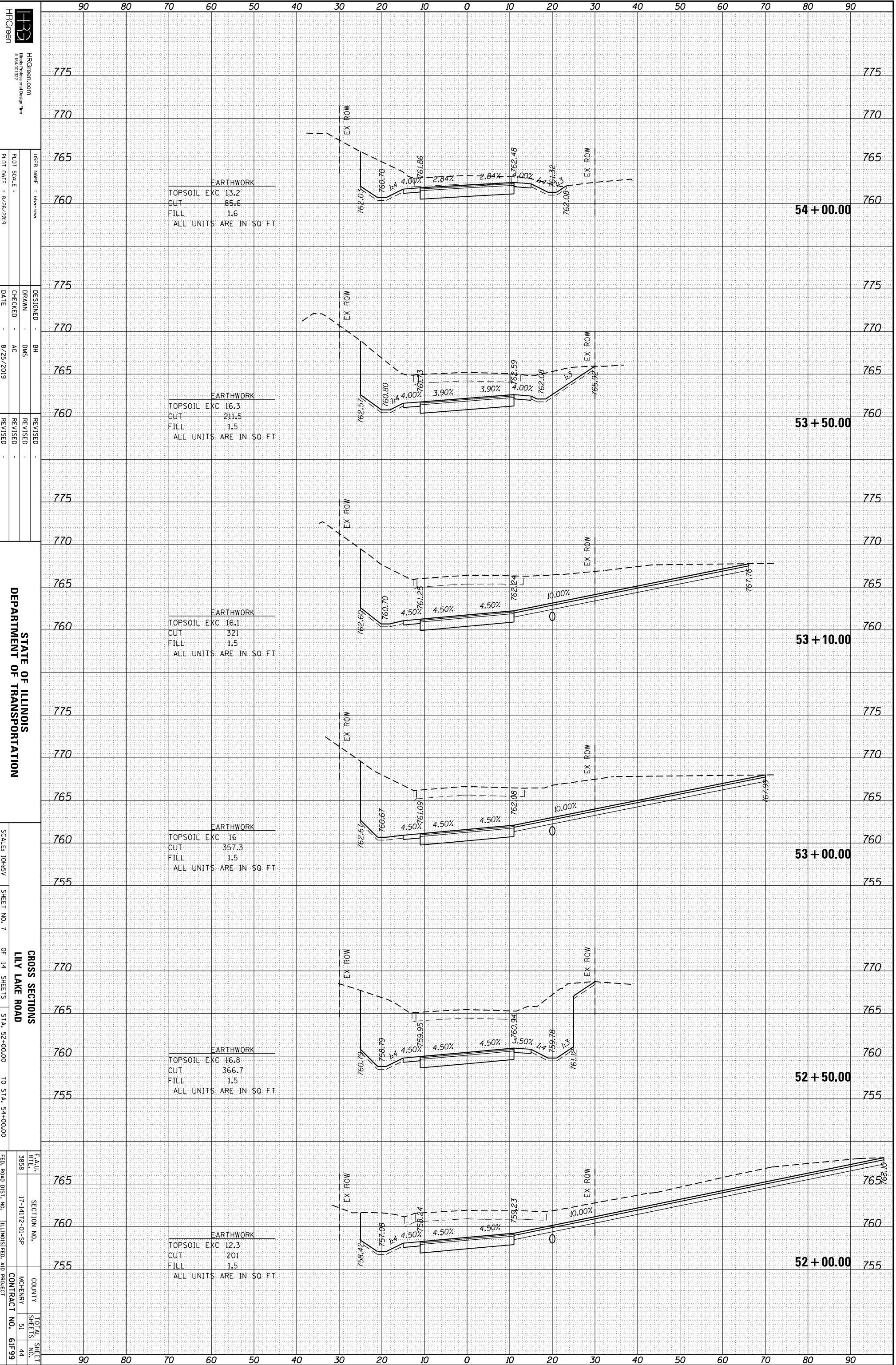
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEET NO.
3898	17-1417Z-01-SP	MCHEMERY	51
			43

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 CONTRACT NO. 61F99

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfp
 PEN TABLE: plotlabel.tbl

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

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



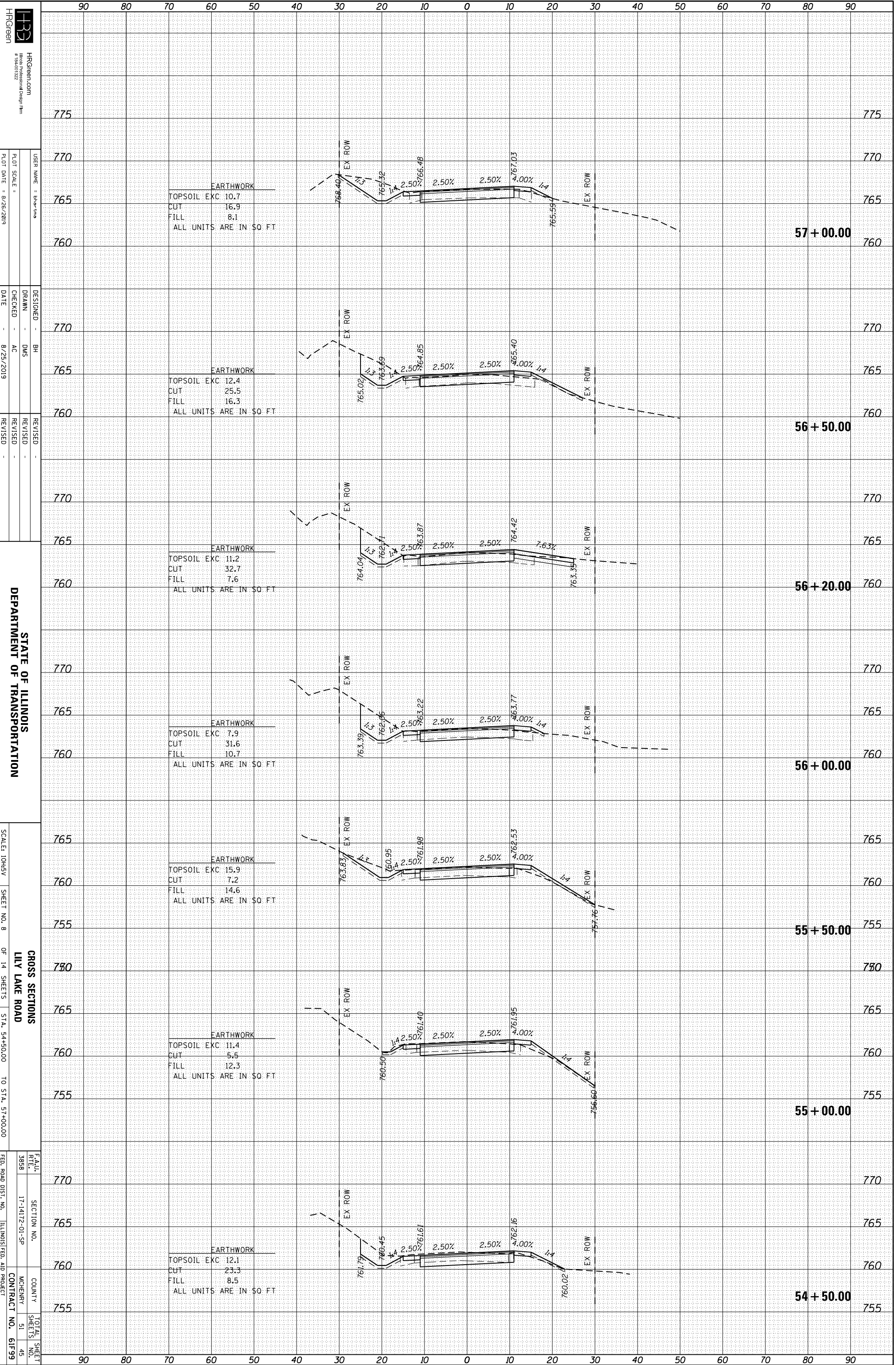
HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bh-artino
 DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019
 REVISIONS:
 REVISION NO. 1
 REVISION DESCRIPTION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SCALE: 10H:5V
 SHEET NO. 7 OF 14 SHEETS
 STA. 52+00.00 TO STA. 54+00.00
 CROSS SECTIONS
 LILY LAKE ROAD
 COUNTY: MCHENNY
 SHEETS: 51 OF 44
 CONTRACT NO. 61F99
 FEDERAL AID PROJECT

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfp
 PEN TABLE: plotlabel.tbl

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

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



HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bh-artino
 PLOT SCALE: 1"=40'
 PLOT DATE: 8/26/2019

DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019

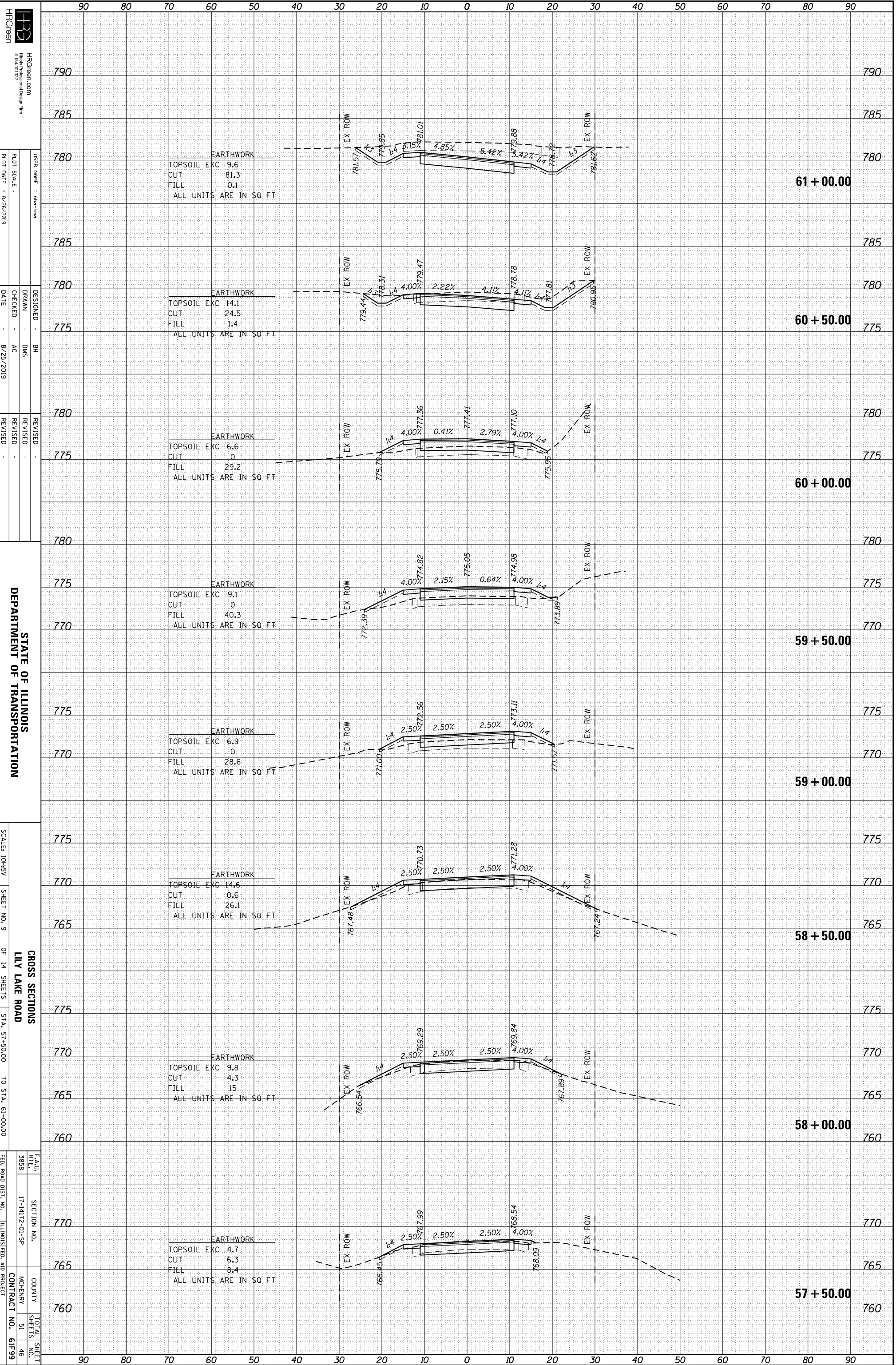
REVISIONS:
 REVISION NO. 1
 REVISION DESCRIPTION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SCALE: 1"=40'
 SHEET NO. 8 OF 14 SHEETS
 STA. 54+50.00 TO STA. 57+00.00
 CROSS SECTIONS
 LILY LAKE ROAD
 FEDERAL AID PROJECT
 COUNTY: MCHENNY
 CONTRACT NO. 61F99

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSG.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfp
 PEN TABLE: plotlabel.tbl

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.			

FINAL SURVEY	SURVEYED	BY	DATE
NO.			



HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bhartono
 DESIGNER: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019
 REVISIONS:
 REVISION NO. | DATE | BY | DESCRIPTION

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

790
 785
 780
61 + 00.00
 785
 780
60 + 50.00
 775
 780
60 + 00.00
 775
 770
59 + 50.00
 775
 770
59 + 00.00
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58 + 50.00
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58 + 00.00
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 775
 770
57 + 50.00
 765
 760

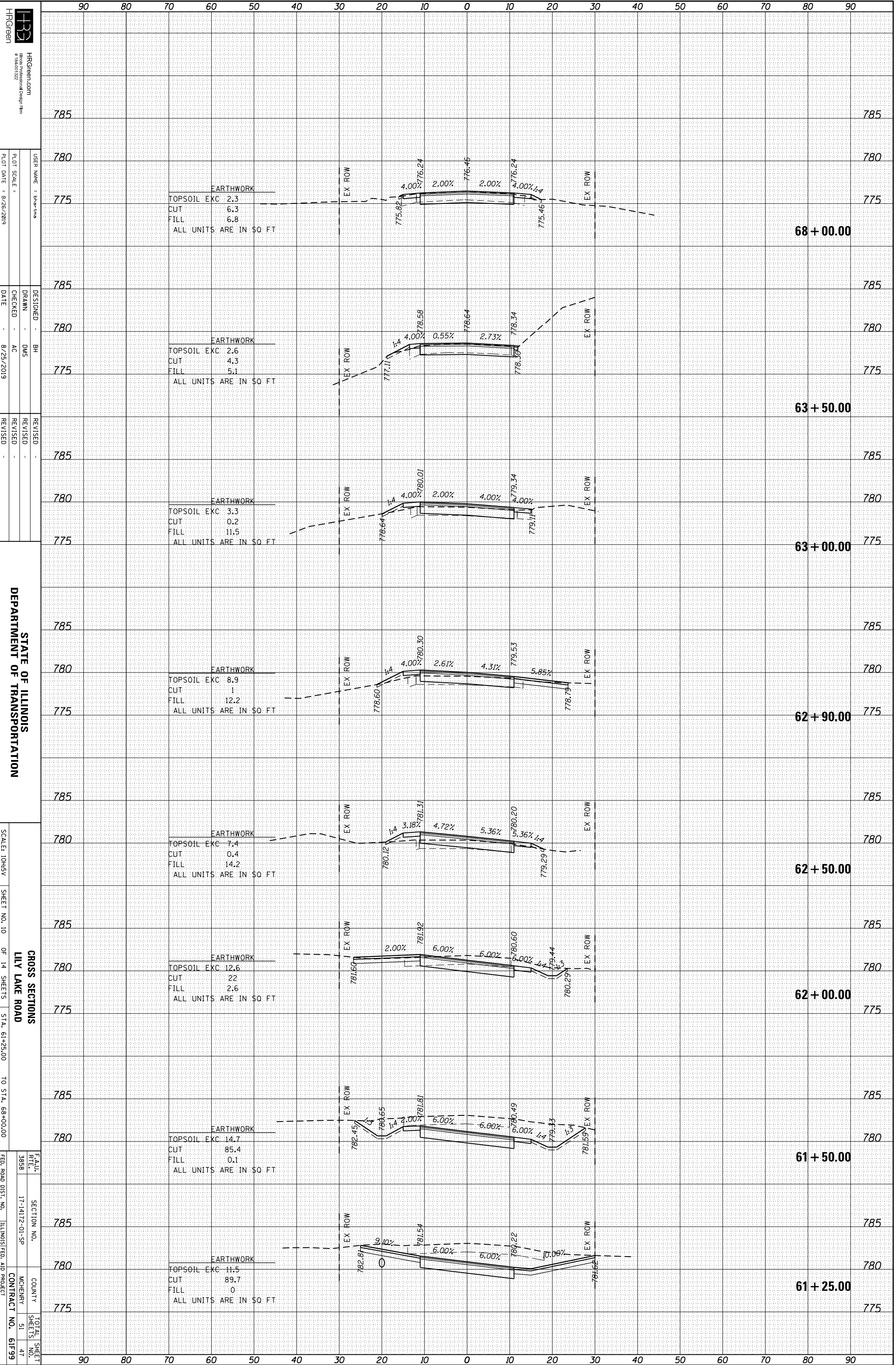
90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SCALE: 10H:5V
 SHEET NO. 9 OF 14 SHEETS
 STA. 57+50.00 TO STA. 61+00.00
 CROSS SECTIONS
 LILY LAKE ROAD
 COUNTY: MCHENNY
 CONTRACT NO.: 61F99
 TOTAL SHEETS: 51
 SHEET NO.: 46

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfgr
 PEN TABLE: plotlabel.tbl

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.			

FINAL SURVEY	SURVEYED	BY	DATE
NO.			



HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bh-rtino
 PLOT SCALE: 1"=40'
 PLOT DATE: 8/26/2019

DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019

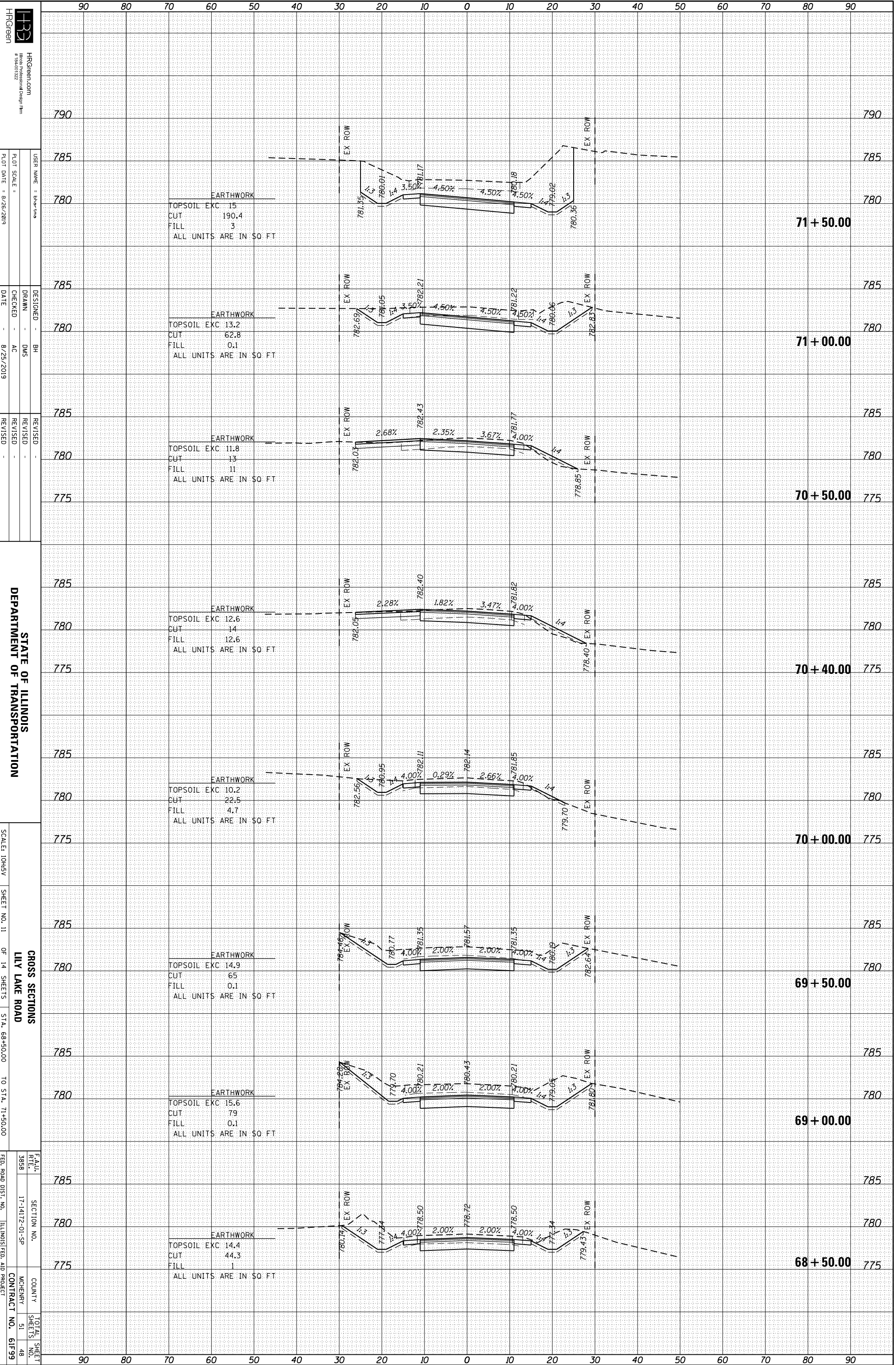
REVISIONS
 REVISION NO. | DATE | DESCRIPTION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SCALE: 1/4"=10'
 SHEET NO. 10 OF 14 SHEETS
 STA. 61+25.00 TO STA. 68+00.00
 CROSS SECTIONS
 LILY LAKE ROAD
 COUNTY: MCHENNY
 CONTRACT NO. 61F99

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfgr
 PEN TABLE: plotlabel.tbl

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

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



HRCGreen
 HRCGreen.com
 #160444222
 USER NAME: bh-artino
 PLOT SCALE: 1"=40'
 PLOT DATE: 8/26/2019
 DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019
 REVISIONS:
 REVISION NO. | DATE | BY | DESCRIPTION

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

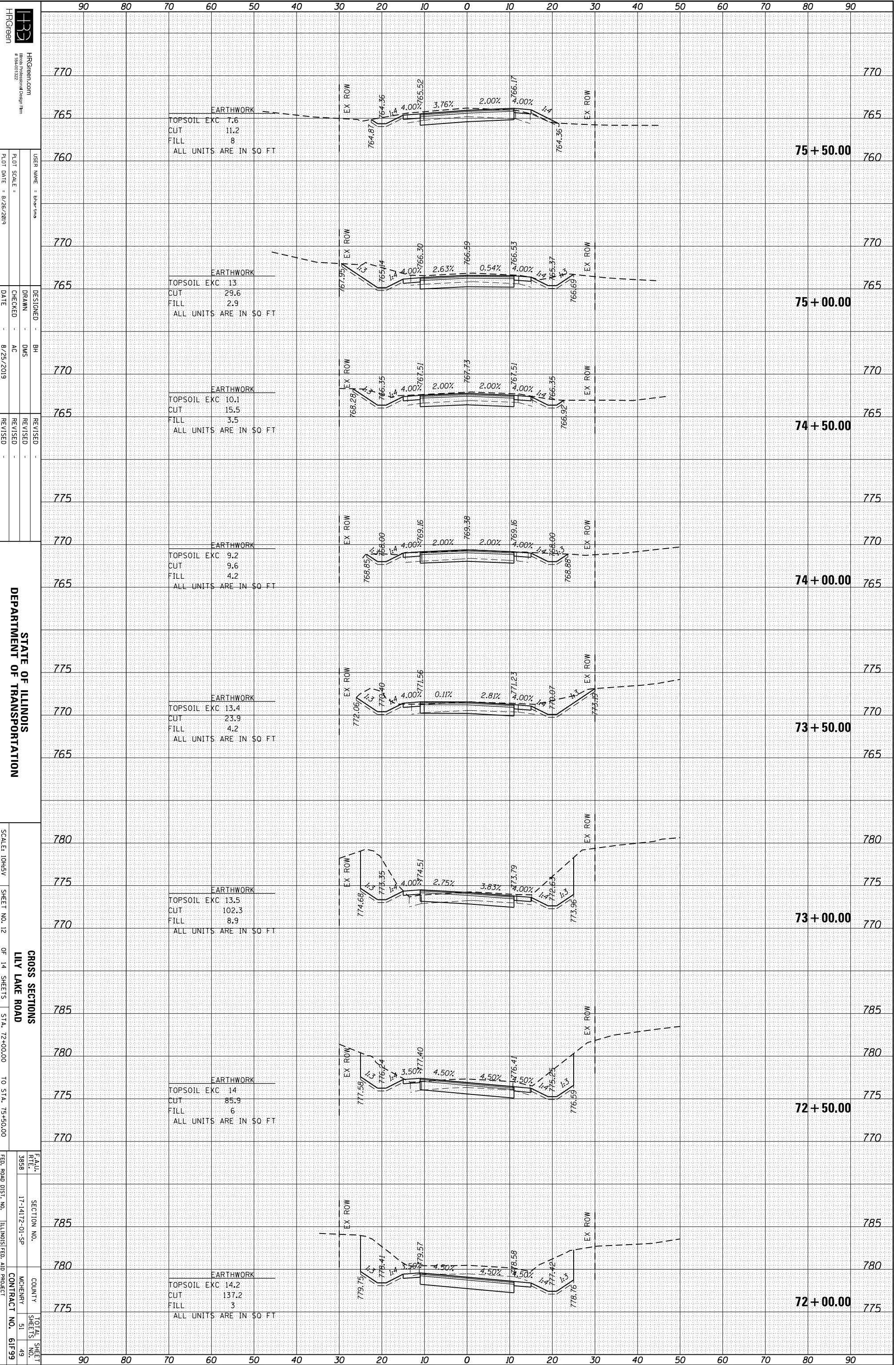
CROSS SECTIONS
 LILY LAKE ROAD

SCALE: 10H:5V
 SHEET NO. 11 OF 14 SHEETS
 STA. 68+50.00 TO STA. 71+50.00
 COUNTY: MCHENNY
 CONTRACT NO. 61F99
 TOTAL SHEET NO. 48

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfgr
 PEN TABLE: plotlabel.tbl

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

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



HRCGreen
 HRCGreen.com
 #164-01222
 USER NAME: bh-wrino
 PLOT SCALE: 1"=40'
 PLOT DATE: 8/26/2019

DESIGNED: BH
 DRAWN: DMS
 CHECKED: AC
 DATE: 8/25/2019

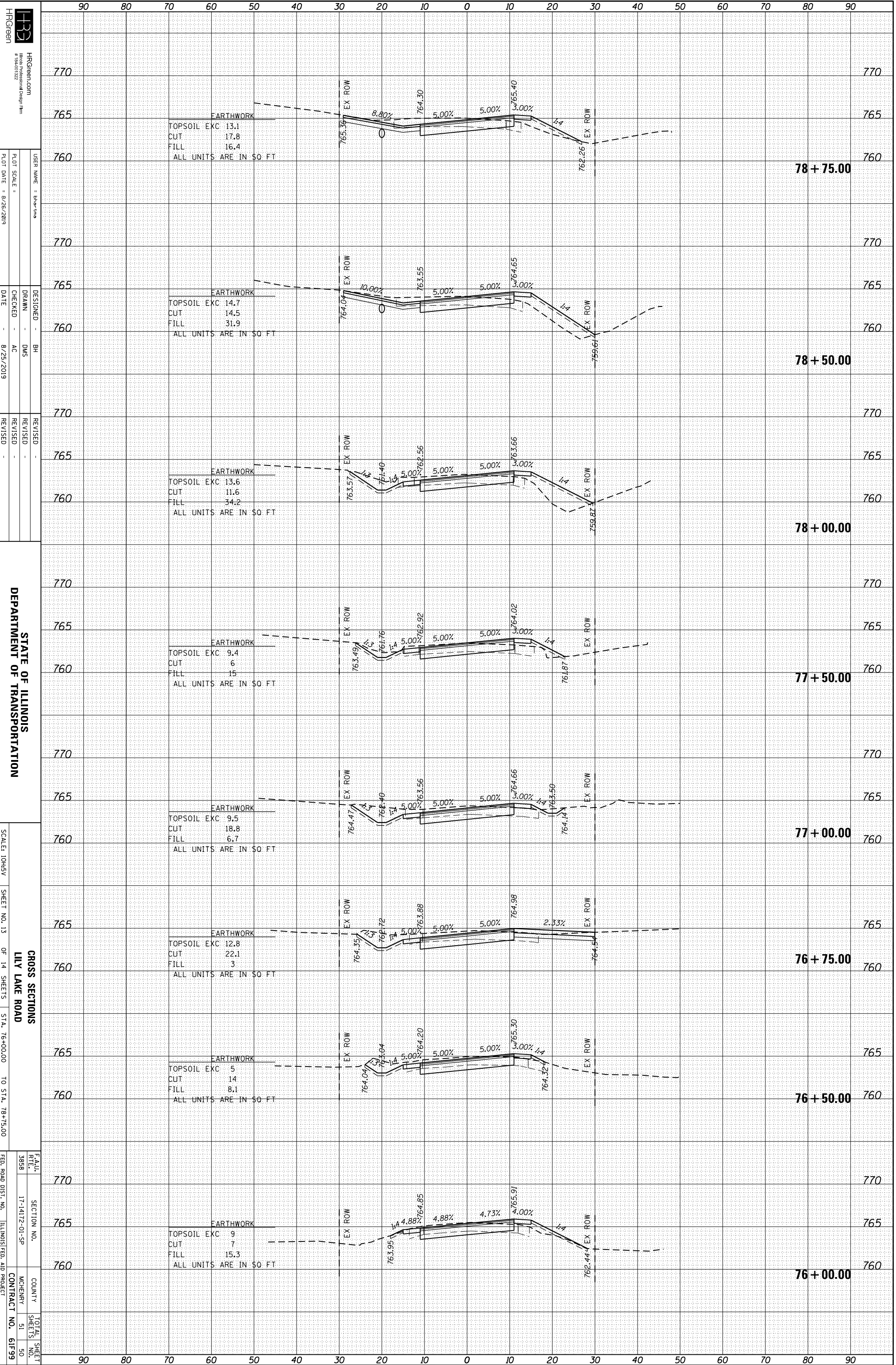
REVISIONS:
 REVISION NO. | DATE | DESCRIPTION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SCALE: 10HSV
 SHEET NO. 12 OF 14 SHEETS
 STA. 72+00.00 TO STA. 75+50.00
 CROSS SECTIONS
 LILY LAKE ROAD
 FEALU RTE. 3888
 SECTION NO. 17-1417Z-01-SP
 COUNTY: MCHENNY
 CONTRACT NO. 61F99
 TOTAL SHEET NO. 51
 SHEETS NO. 49

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfp
 PEN TABLE: plotlabel.tbl

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

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



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

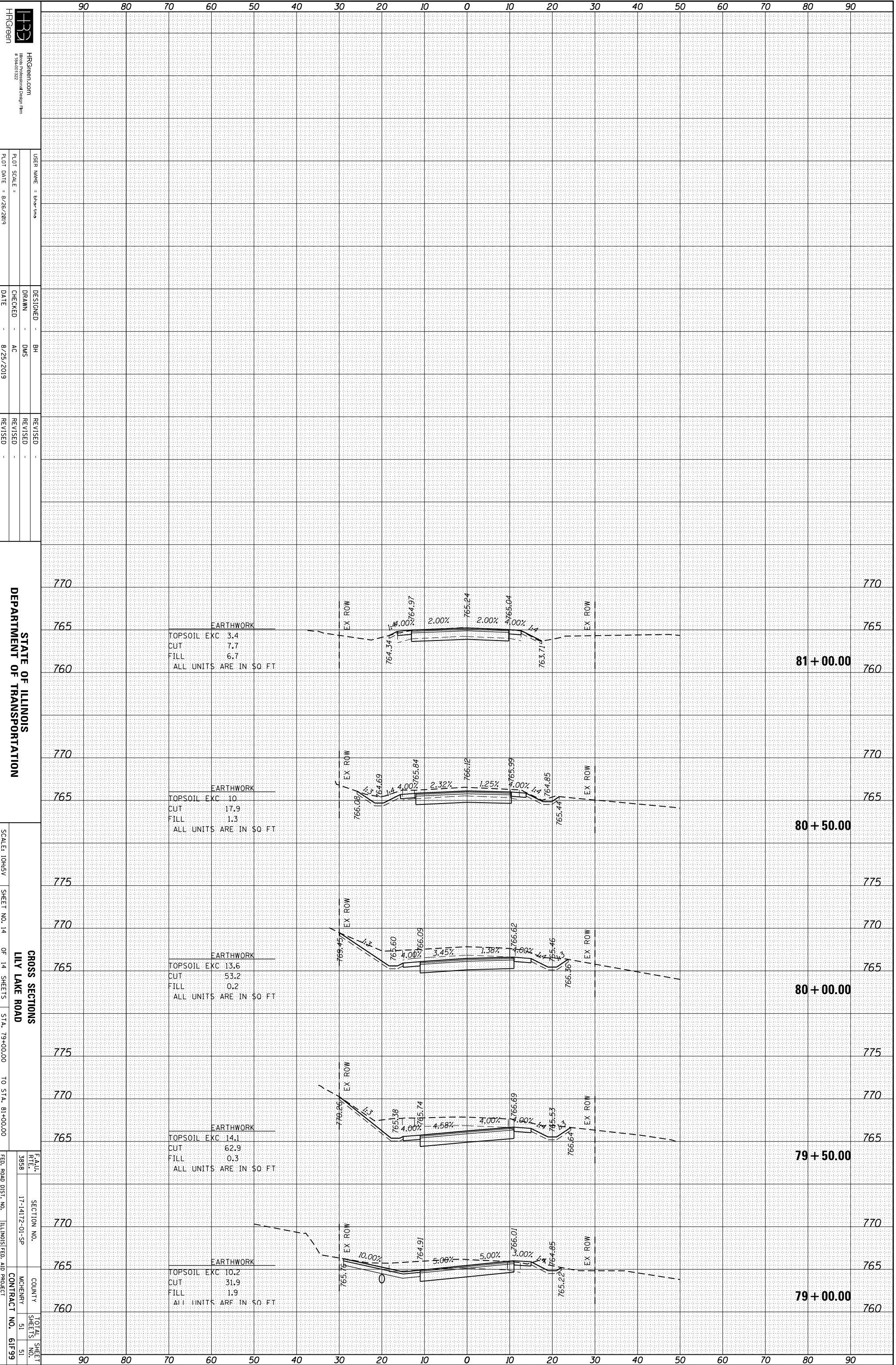
CROSS SECTIONS
 LILY LAKE ROAD
 SCALE: 10H:5V
 SHEET NO. 13 OF 14 SHEETS
 STA. 76+00.00 TO STA. 78+75.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEET NO.
3898	17-1417Z-01-SP	MCHENNY	51
			50
			61F99

HRC PROJECT NO.: 160444
 HRC PROJ. CONTACT:
 FILE NAME: 160444-sh1-XSC.dgn
 PLOT DRIVER: IL_pdf.bw.pltcfp
 PEN TABLE: plotlabel.tbl

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

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



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 #164-01222

DESIGNED - BH
 DRAWN - DMS
 CHECKED - AC
 DATE - 8/25/2019

USER NAME: bh@hrc.com
 PLOT SCALE: 1"=10'
 PLOT DATE: 8/26/2019

REVISOR
 REVISION
 DATE

F.A.U. RT# 3888
 SECTION NO. 17-1417Z-01-SP
 COUNTY MCHENNY
 CONTRACT NO. 61F99
 TOTAL SHEETS 51
 SHEET NO. 51