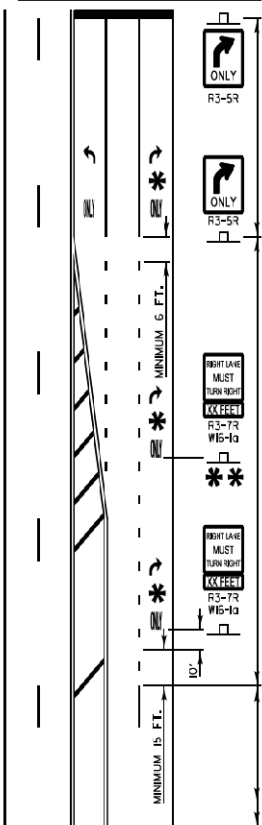


THRU LANE TO
TURN LANE CONVERSION



TURN LANE
6' WHITE LINE
(ADDITIONAL PAVEMENT MARKINGS AS SHOWN
ON SHEET ONE OF THE L.C.C.O.T. TYPICAL
PAVEMENT MARKINGS DETAIL SHEETS)

MINIMUM TRANSITION ZONE LENGTH

POSTED SPEED	LENGTH
25 M.P.H.	255 FT
30 M.P.H.	330 FT
35 M.P.H.	405 FT
40 M.P.H.	480 FT
45 M.P.H.	555 FT
50 M.P.H.	630 FT
55 M.P.H.	705 FT

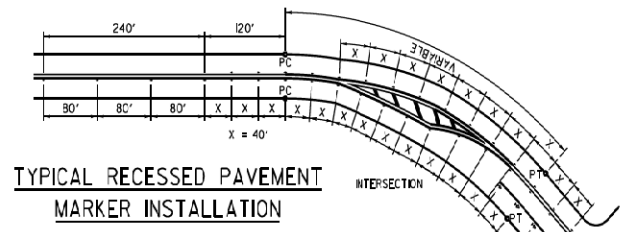
*** LOCATION OF PAV'T MARKINGS**
(MEASURED FROM BEGINNING OF TRANSITION ZONE)

POSTED SPEED	LOCATION OF PAV'T MARKINGS
25 M.P.H.	10 FT, 260 FT
30 M.P.H.	10 FT, 340 FT, 340 FT
35 M.P.H.	10 FT, 420 FT, 420 FT
40 M.P.H.	10 FT, 500 FT, 330 FT, 490 FT
45 M.P.H.	10 FT, 580 FT, 370 FT, 560 FT
50 M.P.H.	10 FT, 660 FT, 350 FT, 490 FT, 640 FT
55 M.P.H.	10 FT, 740 FT, 350 FT, 520 FT, 710 FT

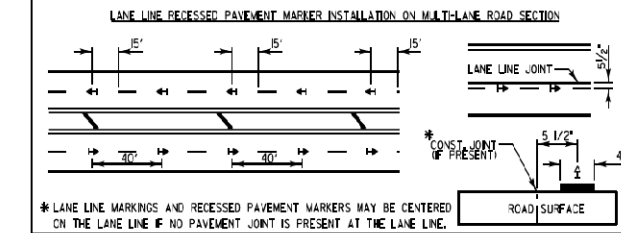
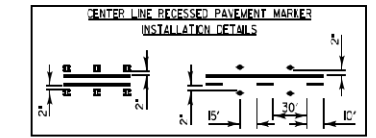
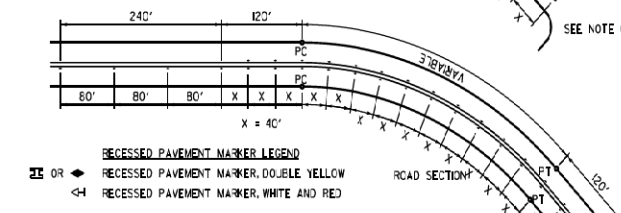
THRU LANE
4' WHITE 10'/30' SKIP DASH
LANE LINE

****** FOR POSTED SPEEDS 40 M.P.H. OR GREATER
A SECOND R3-7/R6-10 SIGN INSTALLATION
SHALL BE LOCATED HALFWAY BETWEEN THE
BEGINNING OF THE TRANSITION ZONE AND THE
BEGINNING OF THE TURN LANE

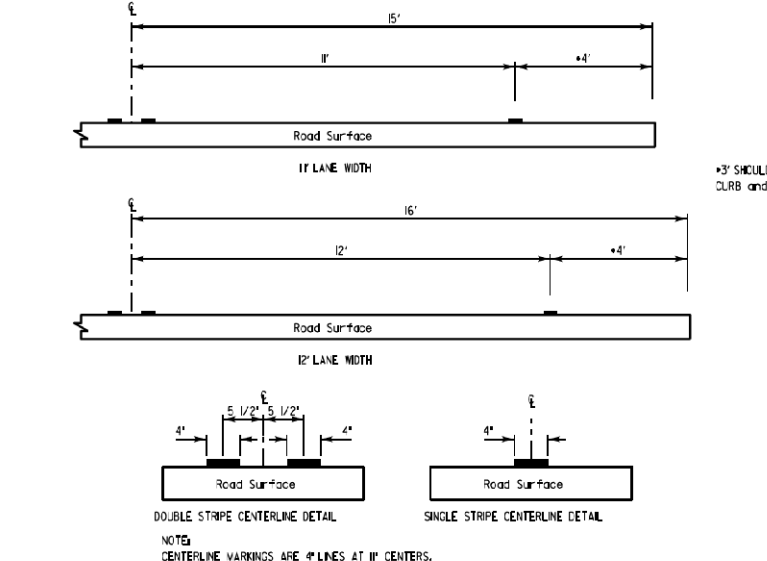
TYPICAL PAVEMENT MARKINGS AND RECESSED PAVEMENT MARKERS



- RECESSED PAVEMENT MARKER NOTES:**
- CENTERLINE RECESSED PAVEMENT MARKERS (RPM'S) SHALL BE PLACED ON ALL TWO AND THREE LANE HIGHWAYS WITH CURVES OVER 3 1/2 DEGREES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - SPACING = 40' FOR CENTERLINE MARKERS.
 - ALL RPM'S ON CENTERLINE ARE 2-WAY YELLOW. LANE LINE MARKERS ARE WHITE/RED.
 - MARKERS SHALL BE INSTALLED ACCORDING TO F.H.W.A. MEMORANDUM 10-21.
 - MARKERS SHALL BE FIELD ADJUSTED TO BE LOCATED IN CENTER OF THE 30' GAP OF A 30'/40' SKIP/DASH CENTERLINE.
 - RPM'S WHICH ARE TO BE LOCATED WITHIN THE INTERSECTION OF A CROSS STREET, SHALL NOT BE INSTALLED.
 - A MINIMUM OF 4 WHITE/RED MARKERS SHALL BE INSTALLED ALONG THE TURN LANE LINE.
 - RPM'S INSTALLED ON MULTI-LANE ROAD SECTIONS SHALL BE INSTALLED ON THE WHITE SKIP-DASH LANE LINE ONLY. THESE RPM'S SHALL BE LOCATED IN CENTER OF THE 30' GAP OF A 30'/40' SKIP/DASH LANE LINE.



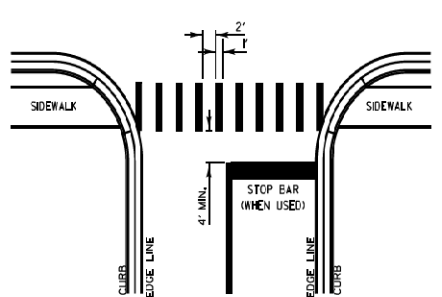
PAVEMENT CROSS SECTION SHOWING TYPICAL PAVEMENT MARKINGS (2-LANE ROADWAY)



DOUBLE STRIPE CENTERLINE DETAIL
SINGLE STRIPE CENTERLINE DETAIL

NOTE:
CENTERLINE MARKINGS ARE 4" LINES AT 12" CENTERS.

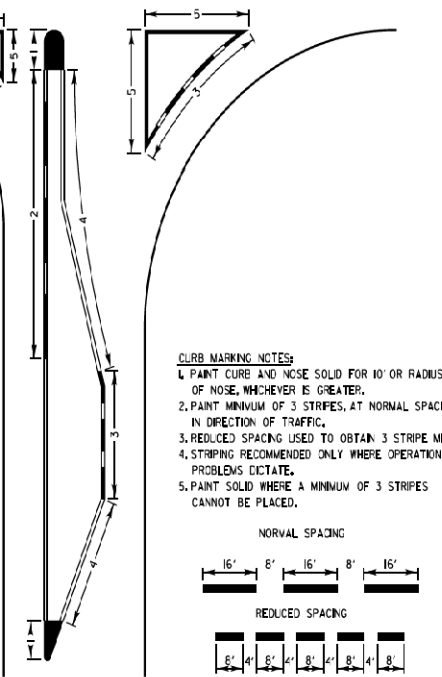
CROSSWALKS



CROSSWALK NOTES:

- THE WIDTH OF THE CROSSWALK IS GENERALLY 6' EXCEPT AT SCHOOL CROSSINGS AND MULTIPATH CROSSINGS, WHICH CAN BE 8' OR 10' WIDE.
- THE STOP BAR SHALL BE INSTALLED A MINIMUM OF 4' IN ADVANCE OF THE CROSSWALK.

CURB MARKING



CURB MARKING NOTES:

- PAINT CURB AND NOSE SOLID FOR 10' OR RADIUS OF NOSE, WHICHEVER IS GREATER.
- PAINT MINIMUM OF 3 STRIPES, AT NORMAL SPACING, IN DIRECTION OF TRAFFIC.
- REDUCED SPACING USED TO OBTAIN 3 STRIPE MINIMUM.
- STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
- PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

PAVEMENT MARKING GUIDELINES

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE OF 2 LANE PAVEMENT	4 IN.	SKIP-DASH	YELLOW	10 FT. LINE WITH 30 FT. SPACE
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 IN.	SOLID	YELLOW	5 1/2 IN. C-C FROM SKIP-DASH CENTERLINE (1 IN. C-C OMIT SKIP-DASH CENTERLINE BETWEEN)
CENTERLINE ON MULTI-LANE UNDIVIDED LANE LINES	2 @ 4 IN.	SOLID	YELLOW	11 IN. C-C
DOTTED LINES (EXTENSIONS OF CENTERLINE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2 FT. LINE WITH 5 FT. SPACE
EDGE LINES	5 IN. WHITE 4 IN. YELLOW	SOLID	WHITE - RIGHT YELLOW - LEFT	OUTLINE RAISED MEDIANS IN YELLOW
TURN LANE MARKINGS	6 IN. LINE FULL SIZE LETTERS AND SYMBOLS (8 FT.)	SOLID	WHITE	TURN ARROW 6.0 SQ. FT., STRAIGHT ARROW 1.65 SQ. FT., ONLY 20.8 SQ. FT. COMB. ARROW 26.0 SQ. FT.
TWO WAY LEFT TURN MARKING	2 @ 4 IN. EACH DIRECTION 8 FT. LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10 FT. LINE WITH 30 FT. SPACE FOR SKIP-DASH 5 1/2 IN. C-C BETWEEN SKIP-DASH LINE AND SOLID LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK	12 IN. @ 90°	SOLID	WHITE	12 IN. LONGITUDINAL BAR WITH 24 IN. SPACE 6 FT. TO 12 FT. WIDE SEE TYPICAL CROSSWALK MARKING DETAIL
STOP BARS	24 IN.	SOLID	WHITE	PLACE 4 FT. IN ADVANCE OF AND PARALLEL TO CROSSWALK IF PRESENT, OTHERWISE PLACE AT DESIRED STOPPING POINT.
PAINTED MEDIANS	2 @ 4 IN. & 1 IN. C-C 12 IN. DIAGONALS @ 45° NO DIAGONALS USED FOR 4 FT. WIDE MEDIAN	SOLID	YELLOW 2-WAY TRAFFIC WHITE 1-WAY TRAFFIC	11 IN. C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING DETAIL MINIMUM OF 5 DIAGONALS
CORE MARKING AND CHANNELIZING LINES	3 IN. WITH 12 IN. DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS 15 FT. C-C (LESS THAN 30 M.P.H.) 20 FT. C-C (30 TO 45 M.P.H.) 30 FT. C-C (OVER 45 M.P.H.) MINIMUM OF 5 DIAGONALS
R.L. CROSSING	24 IN. TRANSVERSE LINES FOR 6 FT. LETTER IS IN LINE FOR 7"	SOLID	WHITE	SEE L.C.C.O.T. STD. 780001 SOLID AREA OF 7" x 3.6 SQ. FT. / 7" x 5.4 SQ. FT.
SHOULDER DIAGONALS (FOR PAVED SHOULDER 2 @ 6 FT.)	12 IN. @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50 FT. C-C (LESS THAN 30 M.P.H.) 75 FT. C-C (30 TO 45 M.P.H.) 100 FT. C-C (OVER 45 M.P.H.) MINIMUM OF 5 DIAGONALS

ALL PAVEMENT MARKINGS TO BE GROOVED THERMOPLASTIC, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO PART "MARKINGS" IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE LATEST L.C.C.O.T. HIGHWAY STANDARD 78000.

NO.	REVISIONS / REMARKS	DATE	BY	SURVEYOR/DESIGNER/PLANNER
1				
2				

PLOTTED BY: hndrc 3/5/2017

REVISIONS	DATE	APPROVED BY: A. KHAWAJA
SEPARATED RAILROAD SHEET	06/02/08	DATE: APRIL 1, 2007
REVISED RPM DETAILS	07/11/12	
RAISED TO RECESSED MARKERS	12/2/13	
REMOVE STATION NUMBERS	5/30/14	
THERMO EDGELINES AT RETURNS	1/18/16	
ALL PM TO GROOVED THERMO	1/26/17	
REVISED EDGELINES AT RETURNS	4/10/17	
REVISED STOP BAR/DEL YELLOW	8/31/17	

PROJECT NAME	ROUTE SECTION	SECTION NUMBER	SHEET	SHEETS
LAKE COUNTY STANDARDS & DETAILS	CHXX XXX	XX-XXXXX-XX-XX	XXX	XXX

FILE NAME: G:\CH09\0176\Road\Sheets\108084-LC001-STANDARD-DETAIL-01.dgn



USER NAME	DESIGNED	REVISIONS
amkidd	JLV	-
	AMK	-
	JWC	-
		-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

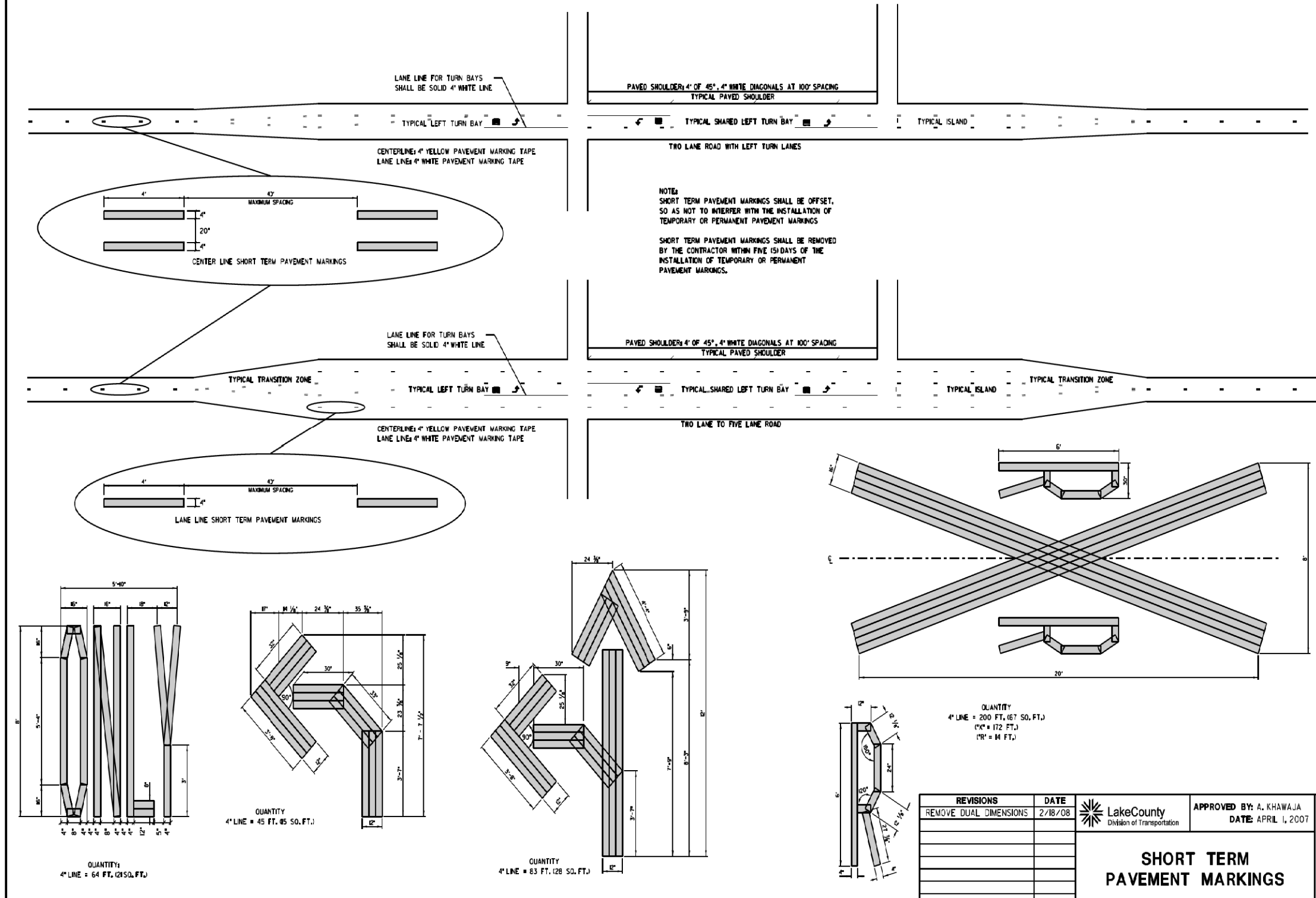
LAKE COUNTY STANDARD DETAIL

SCALE: 1:20 SHEET 39 OF 43 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	301

CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT

TYPICAL SHORT TERM PAVEMENT MARKINGS



NO.	REVISIONS / REMARKS	DATE	BY	SURVEYOR

DESIGNED	JLV	REVISIONS	-
DRAWN	AMK	REVISIONS	-
CHECKED	JWC	REVISIONS	-
DATE	5/22/2019	REVISIONS	-

DESIGNED BY	JLV
CHECKED BY	JWC
DATE	5/22/2019

PROJECT NAME	LAKE COUNTY STANDARDS & DETAILS
ROUTE SECTION	CHXX XXX
SECTION NUMBER	XX-XXXXX-XX-XX
SHEET	XX
SHEETS	XX

APPROVED BY:	A. KHAWAJA
DATE:	APRIL 1, 2007

FILE NAME: C:\Documents and Settings\hdngs\My Documents\LCDDOT DETAILS\LC7802 SHORT TERM PAVEMENT MARKINGS.dgn

FILE NAME: G:\CH09\0176\Road\Sheets\108084-LCDDOT-STANDARD-DETAIL-01.dgn



USER NAME	amkidd	DESIGNED	-	JLV	REVISIONS	-
PLOT SCALE	40.00' / 1" =	DRAWN	-	AMK	REVISIONS	-
PLOT DATE	5/22/2019	CHECKED	-	JWC	REVISIONS	-
		DATE	-	5/22/2019	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

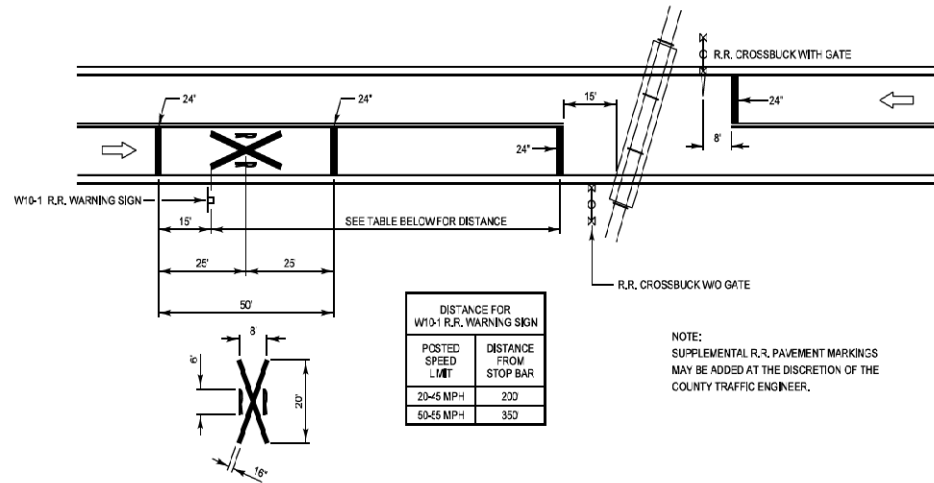
LAKE COUNTY STANDARD DETAIL

SCALE: 1:20 SHEET 40 OF 43 SHEETS STA. TO STA.

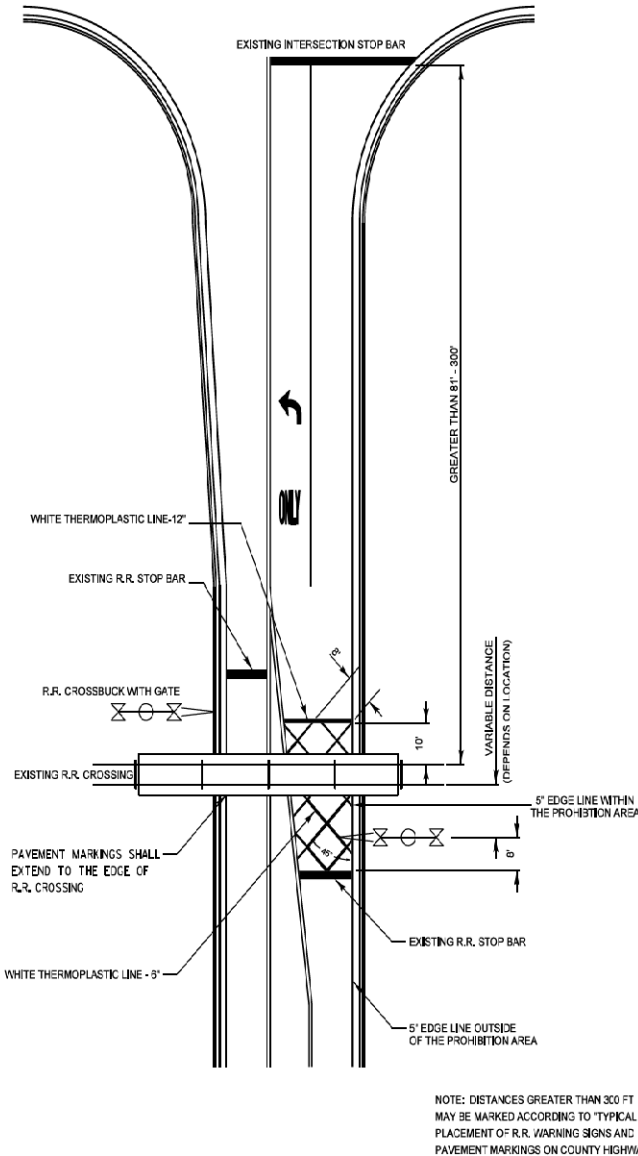
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	302
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6ID65	

TYPICAL RAILROAD RELATED PAVEMENT MARKINGS

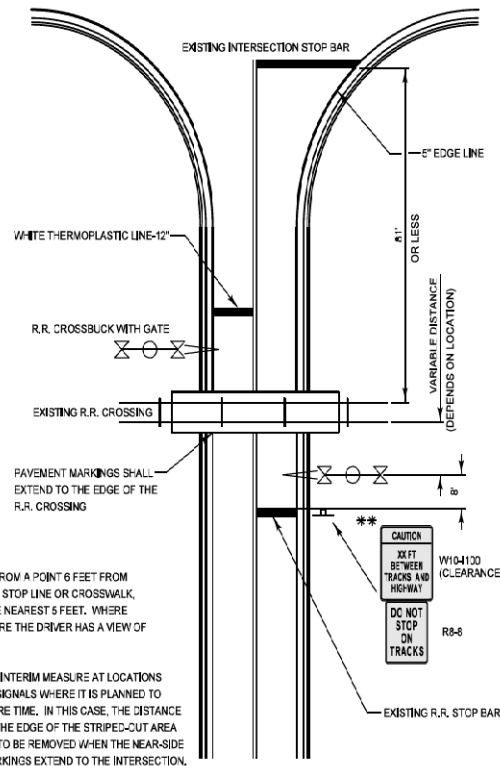
TYPICAL PLACEMENT OF R.R. WARNING SIGNS AND PAVEMENT MARKINGS ON COUNTY HIGHWAYS



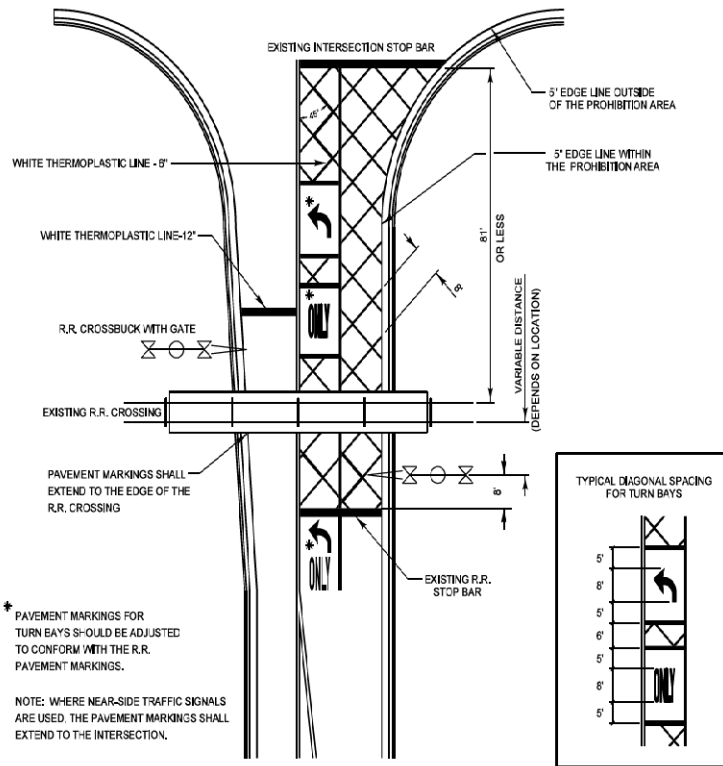
PAVEMENT MARKINGS FOR R.R. CROSSINGS AT SIGNALIZED INTERSECTIONS GREATER THAN 81 FEET - 300 FEET



PAVEMENT MARKINGS FOR R.R. CROSSINGS AT NON-SIGNALIZED INTERSECTIONS 81 FEET OR LESS



PAVEMENT MARKINGS FOR R.R. CROSSINGS AT SIGNALIZED INTERSECTIONS 81 FEET OR LESS



** NOTE: DISTANCE TO BE SHOWN ON SIGN IS MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 6 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.

THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

NO.	DESCRIPTION	DATE	BY	SUPERVISOR
1	REVISED TO IDOT DI TYPICAL X-MARKING	6/7/2012	DME	DEGAR/ALMISON

FILE NAME: G:\Users\shdm\c\Desktop\LC7803 TYPICAL PAVEMENT MARKINGS FOR RAILROAD CROSSINGS ON COUNTY HIGHWAYS.dgn

REVISIONS	DATE	APPROVED BY: A. KHAWAJA
Separated Railroad Sheet	05/02/03	DATE: June 2, 2008
Reformat LCDOT Standard	07/15/10	
Revised to IDOT DI Standard	07/1/12	
Rev Stop Bar/001 Yellow Lines	08/31/17	



TYPICAL PAVEMENT MARKINGS FOR RAILROAD CROSSINGS ON COUNTY HIGHWAYS



PROJECT NAME	ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
LAKE COUNTY STANDARDS & DETAILS	CHXX	XXX	XX-XXXXX-XX-XX	XXX	XXX

FILE NAME: G:\CH09\0176\Road\Sheet\15108084-LC001-STANDARD-DETAIL-01.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

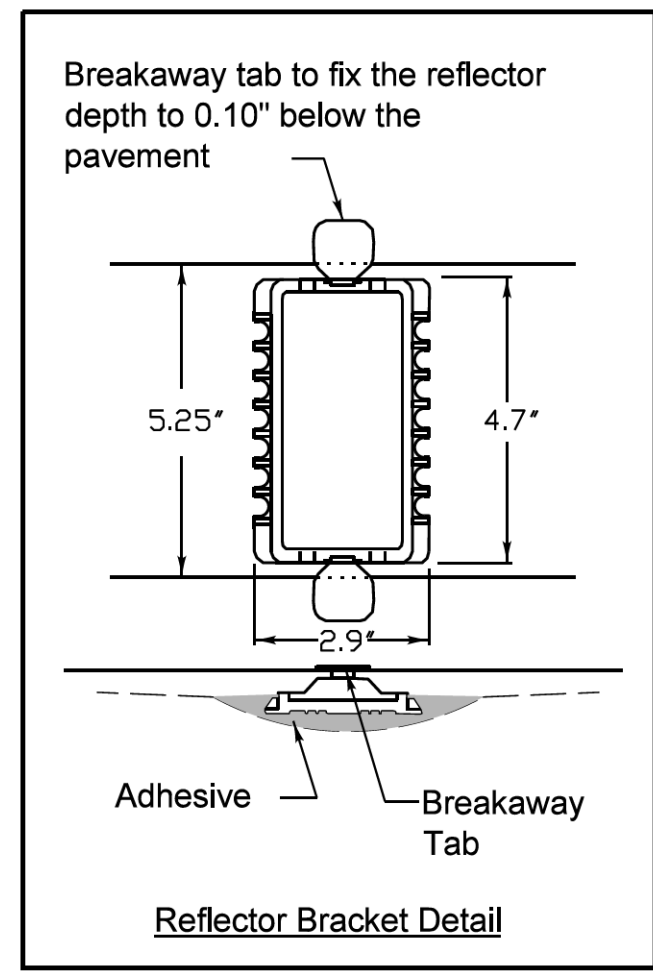
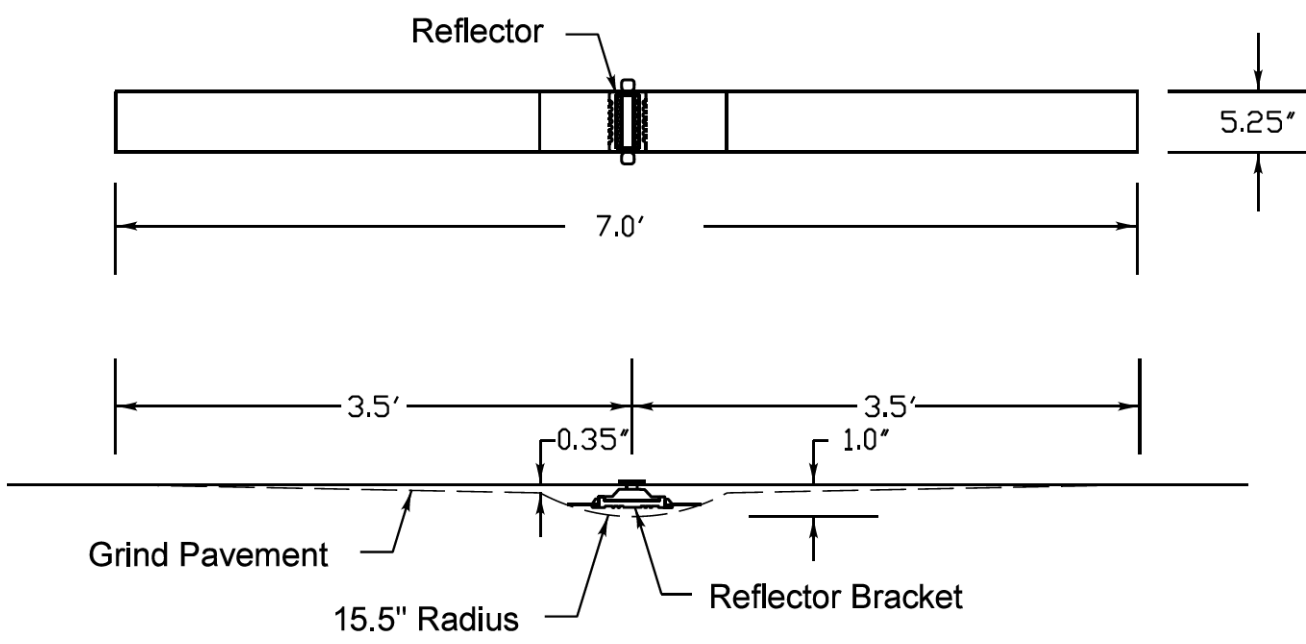
LAKE COUNTY STANDARD DETAIL

SCALE: 1/20 SHEET 41 OF 43 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	303

CONTRACT NO. 6ID65 ILLINOIS FED. AID PROJECT

FILE NAME: G:\CH09\0176\Road\Sheet\108084-LC001-STANDARD-DETAIL-01.dgn



Notes

1. The reflective pavement marker lens shall be a 3M 190 series pavement marker or an approved equal.
2. The reflector bracket shall be made of a polycarbonate and shall be a MarkerOne Series R100 or an approved equal.
3. The adhesive used shall meet the requirements of AASHTO M237 specification for adhesives to be used in cementing asphalt surfaces.
4. Markers shall be placed at 40' intervals on lane lines and painted medians and 40' intervals on curves and approaching intersections as shown on LCDOT standard LC7800.

REVISIONS	DATE


APPROVED BY: JN
DATE: 12/02/13

RECESSED REFLECTIVE PAVEMENT MARKER

LC7805



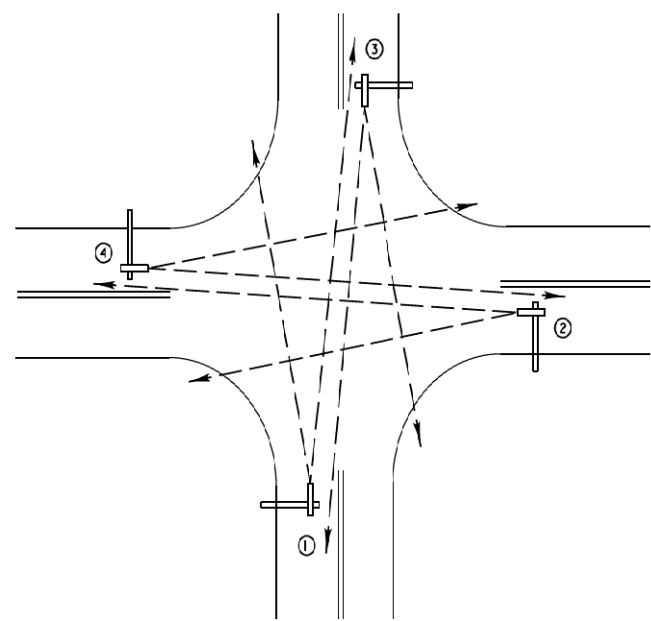
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LAKE COUNTY STANDARD DETAIL

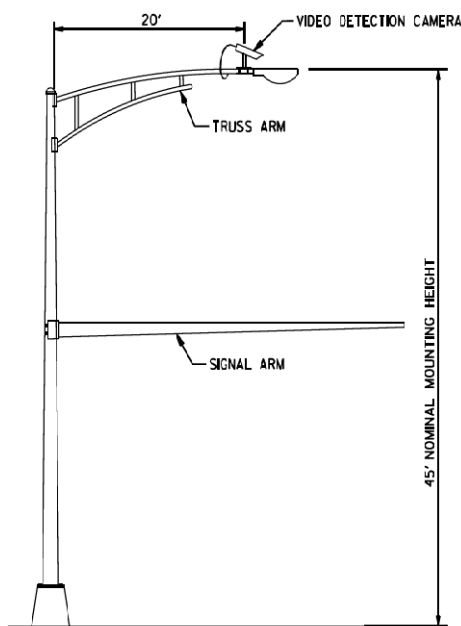
SCALE: 1:20 SHEET 42 OF 43 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	304
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

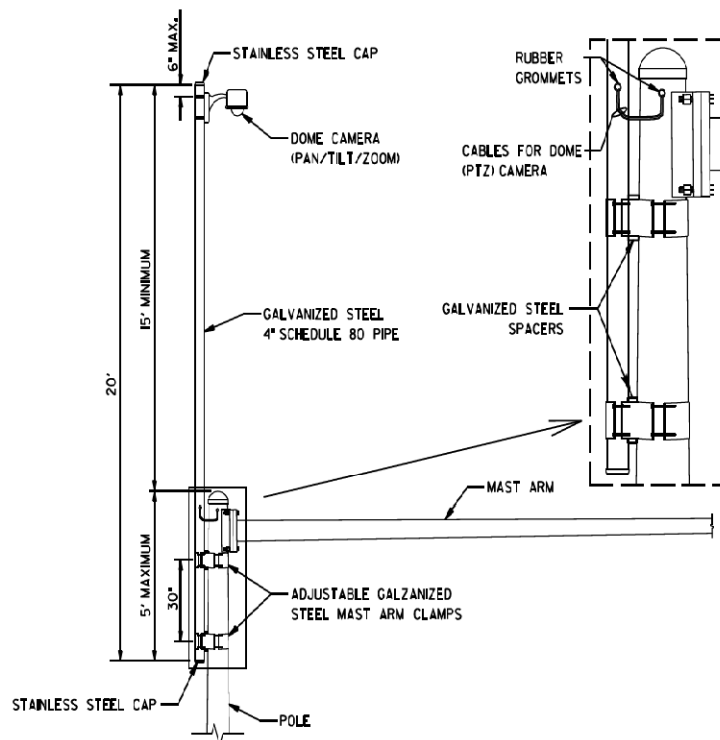


**TYPICAL VIDEO VEHICLE
DETECTION SYSTEM**
(NOT TO SCALE)

(4) VIDEO DETECTION CAMERA ASSEMBLIES AND BRACKETS ① ② ③ ④

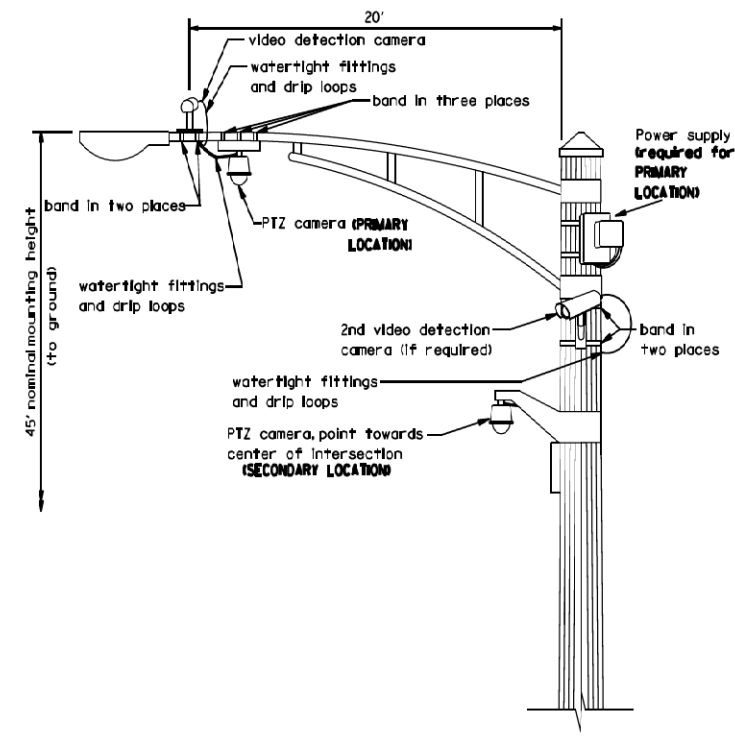


**COMBINATION MAST ARM ASSEMBLY
AND POLE DIMENSIONS**
(NOT TO SCALE)



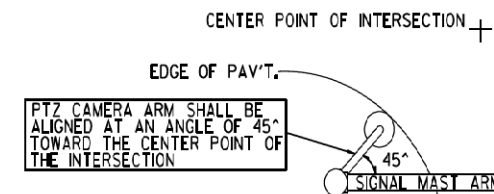
CAMERA MOUNTING ASSEMBLY DETAIL
(NOT TO SCALE)

- NOTES:**
- THE MAST ARM IS TAPERED.
 - INSTALL EXTENSION POLE VERTICAL AND PLUMB BY MODIFYING/INSTALLING BRACKETS AS NECESSARY. ADDITIONAL SPACERS REQUIRED ARE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY OF THE TYPE SPECIFIED.
 - SPACERS ARE TO BE INTEGRATED OR MANUFACTURED WITH THE MAST ARM BRACKETS




**VIDEO DETECTION CAMERA(S) AND
DOME (PTZ) CAMERA MOUNTING DETAIL**
(NOT TO SCALE)

- NOTES FOR SINGLE, DUAL AND MULTIPLE CAMERA MOUNTING:**
- MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.
 - MOUNT VIDEO DETECTION CAMERA AIMING DOWN TOWARD THE DIRECTION OF TRAFFIC TO BE DETECTED.



**PTZ CAMERA MOUNTING DETAILS
(SECONDARY LOCATION)**
(NO SCALE)

REVISIONS	DATE	 Lake County <small>Division of Transportation</small>	APPROVED BY: J. P. NELSON
Mounting Details Revised	05/01/08		DATE: JUNE 13, 2014
2nd Camera Locat. added	01/14/09		
Mast Arm Taper Detail	06/01/12		
Mounting Details Revised	06/13/14		
CAMERA MOUNTING DETAILS			LC8900

NO.	DESCRIPTION	DATE	BY	SURVEYOR

FILE NAME: C:\Users\shdm\c\Desktop\LC8900 VIDEO DETECTION DETAILS REVISION-LINE 2014.DGN



PROJECT NAME	ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
LAKE COUNTY STANDARDS & DETAILS	CHXX	XXX	XX-XXXXX-XX-XX	XXX	XXX

FILE NAME: G:\CH09\0176\Road\Sheet\108084-LC001-STANDARD-DETAIL-01.dgn



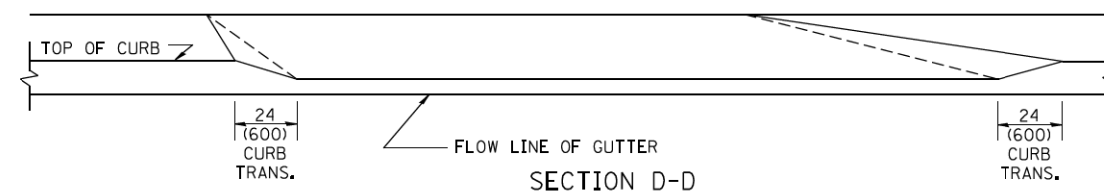
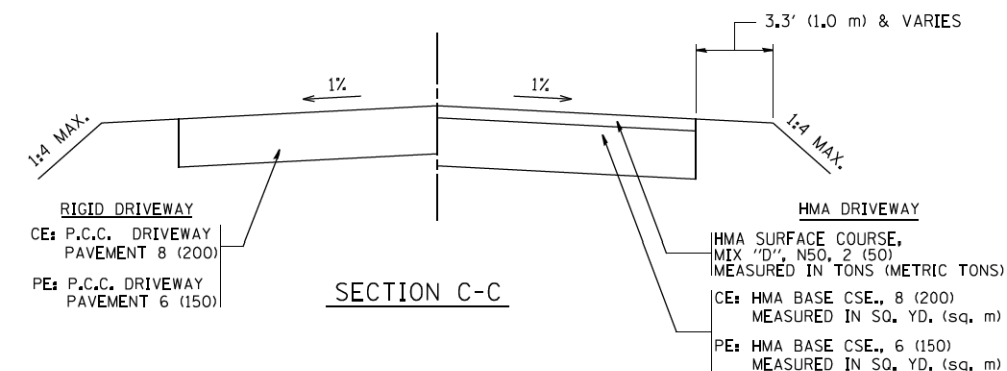
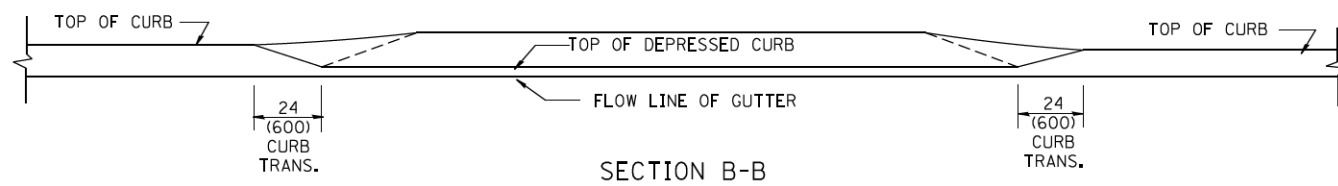
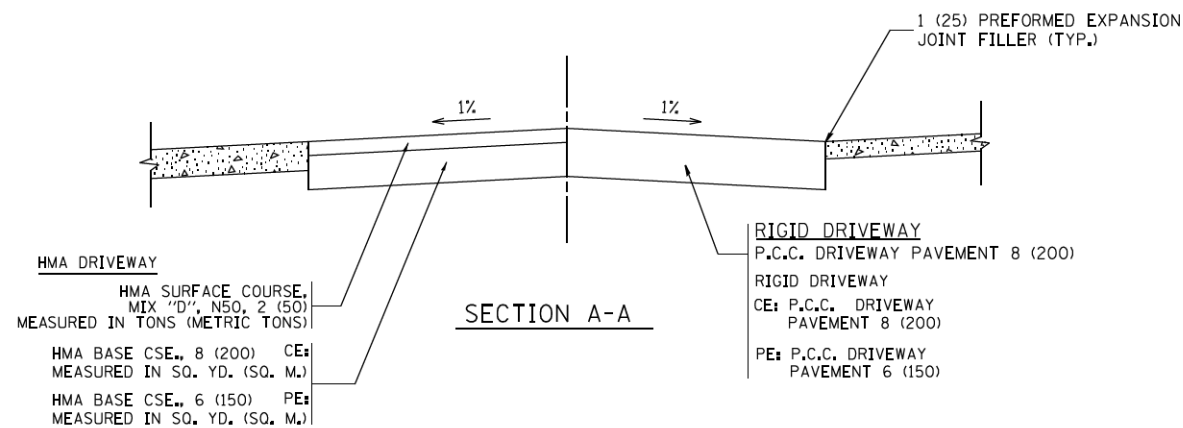
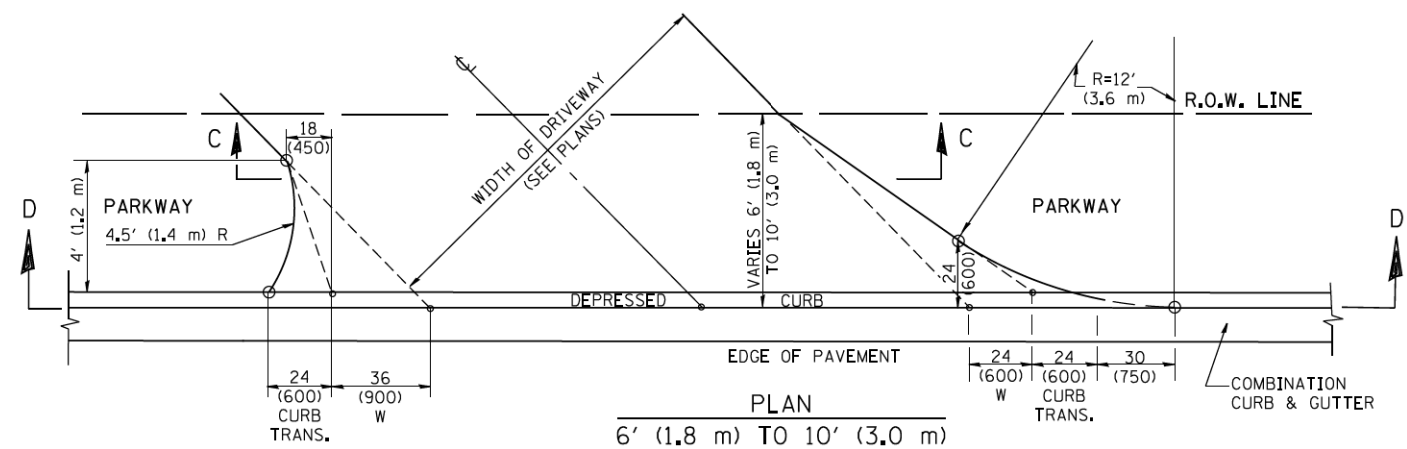
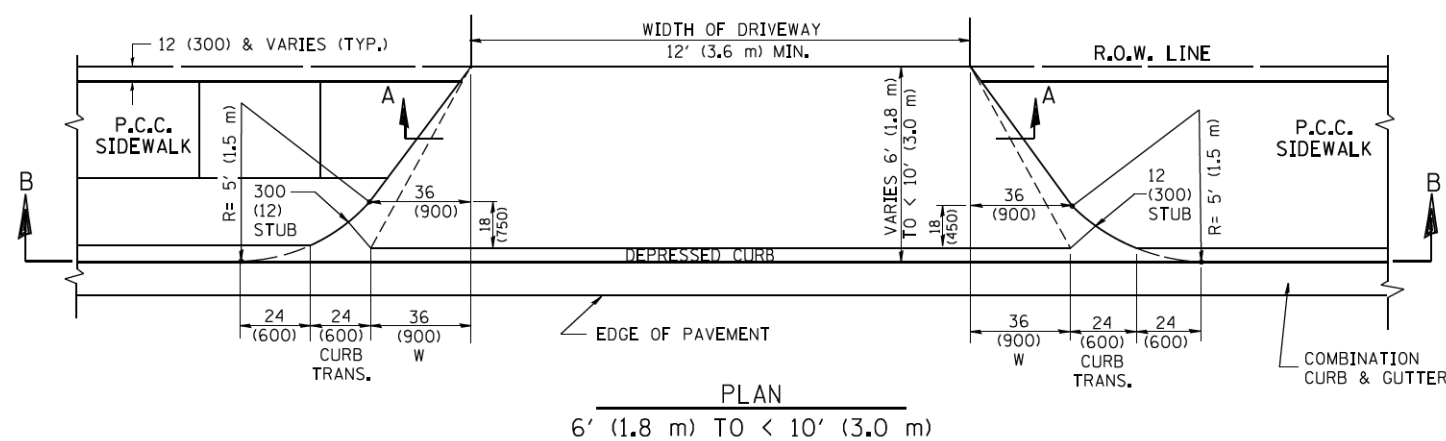
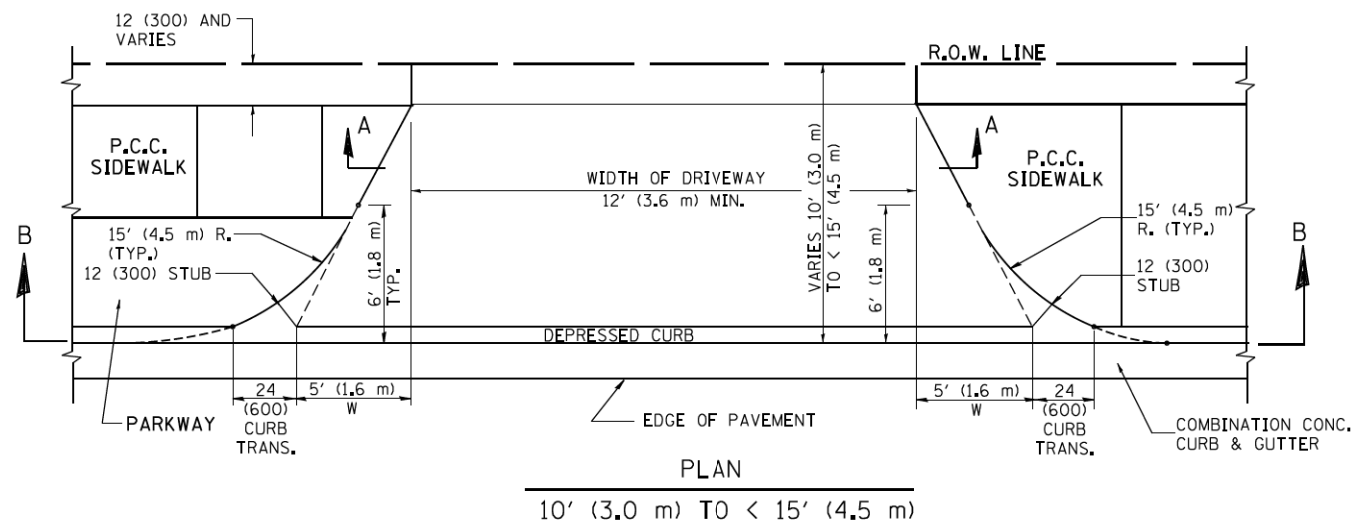
USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1:20 SHEET 43 OF 43 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	305
CONTRACT NO. 6ID65				

ILLINOIS FED. AID PROJECT



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

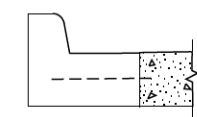
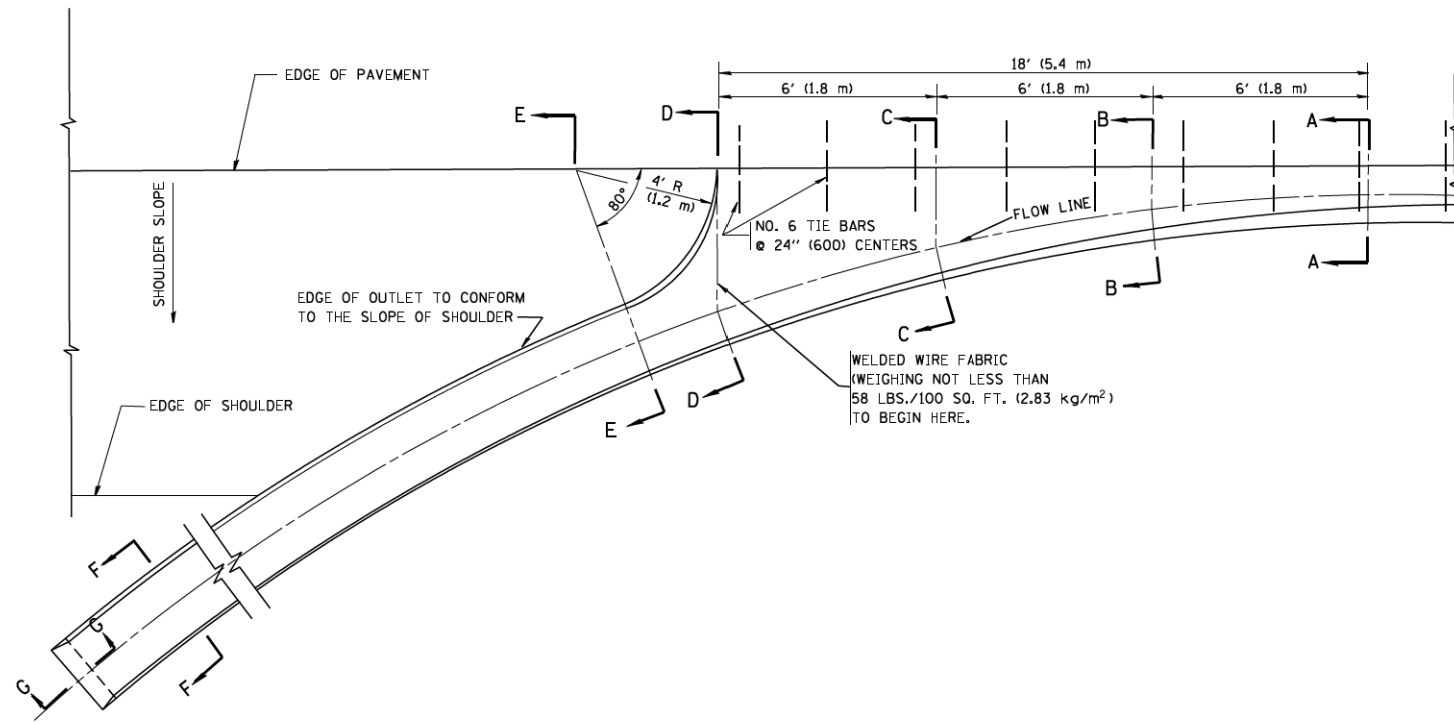
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	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

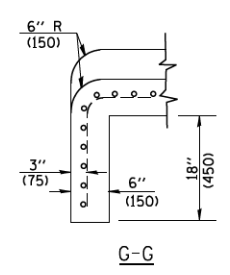
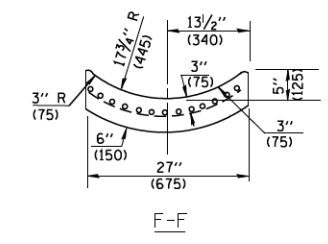
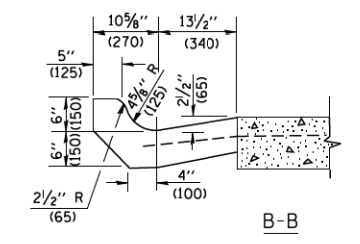
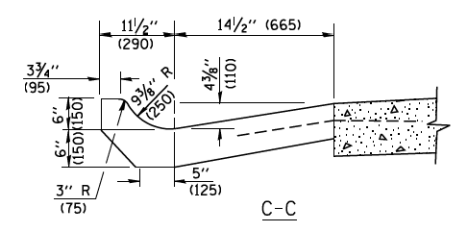
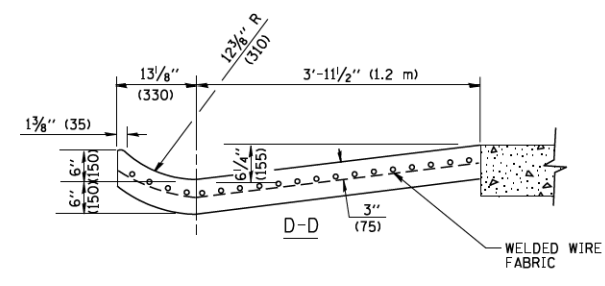
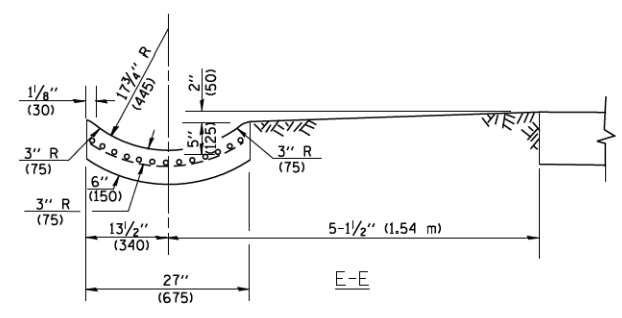
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-02 (BD-02)		CONTRACT NO. 6ID65		
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\" (600) CENTERS UNLESS OTHERWISE SHOWN.

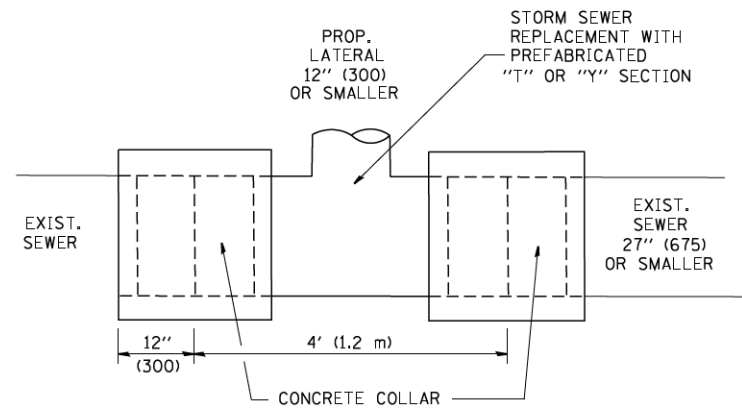
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 9\" (225) PAV'T.
 1.27 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 10\" (250) PAV'T.
 FOR SECTION F-F =
 0.045 CU. YDS. (0.03 m³) CLASS SI CONCRETE PER FT. (M).

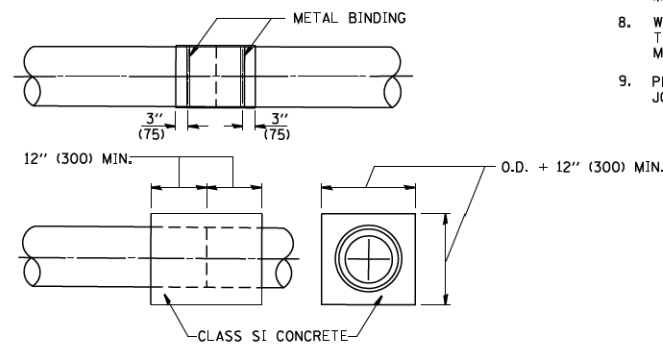
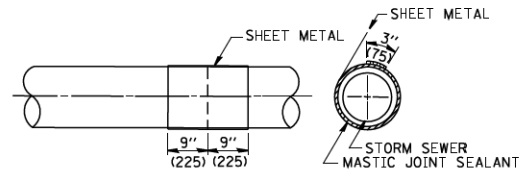
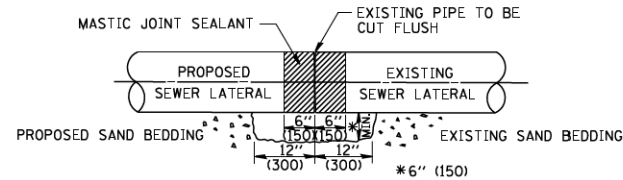
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94				2549	09-00174-05-CH	LAKE	423	307
PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED - E. GOMEZ 12-21-00	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-01 (BD-03) CONTRACT NO. 6ID65				
							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

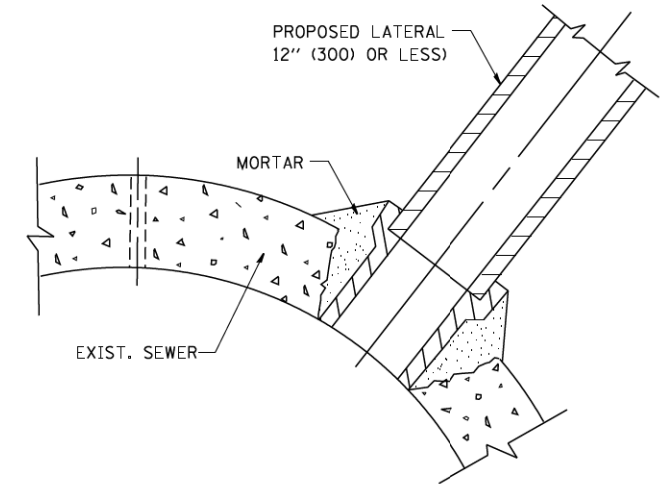


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

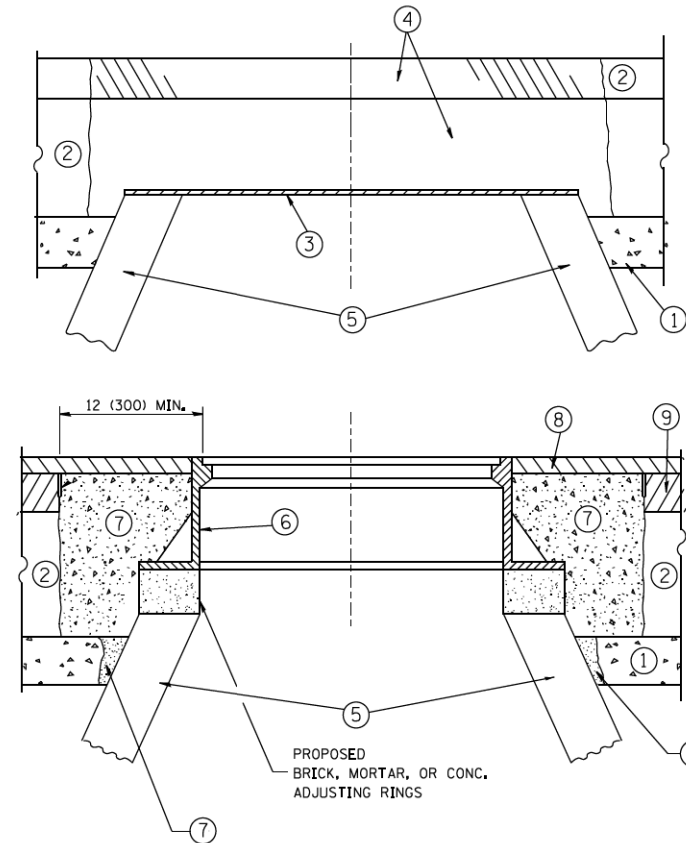
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		CHECKED -	REVISED - R. SHAH 10-25-94
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	308
BD500-01 (BD-7)		CONTRACT NO. 61D65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

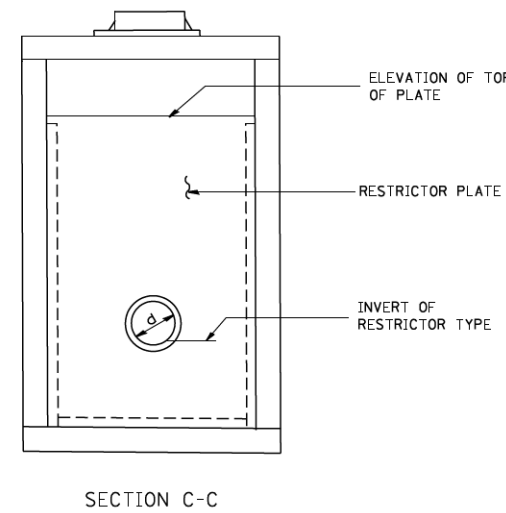
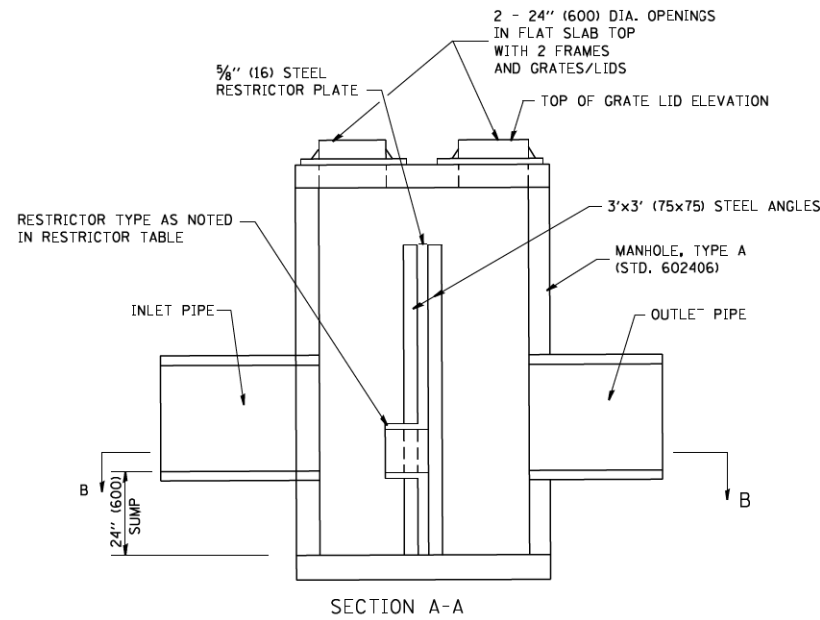
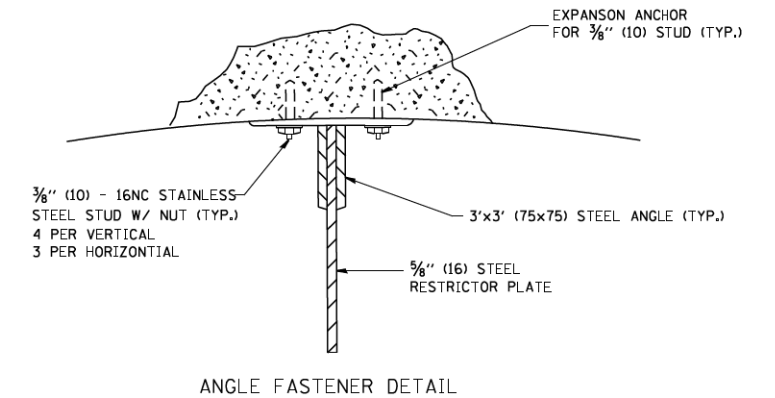
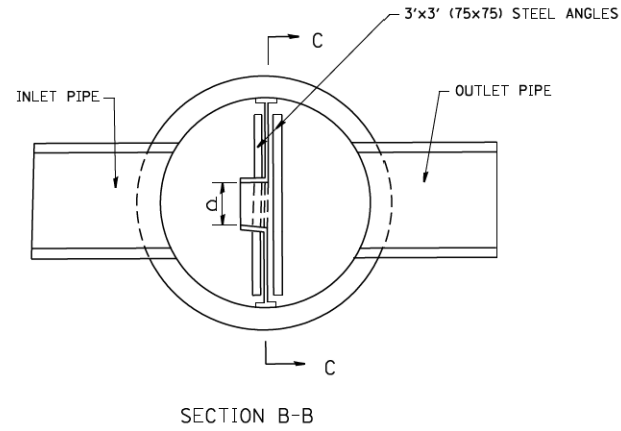
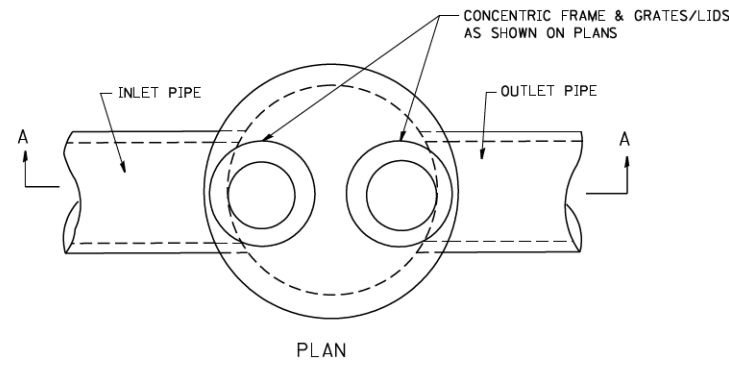
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

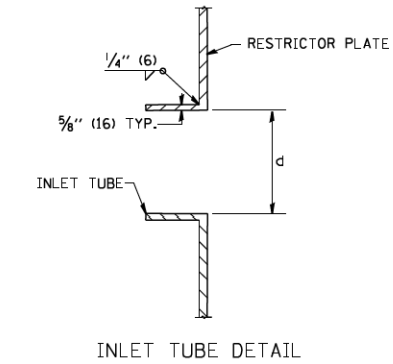
**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

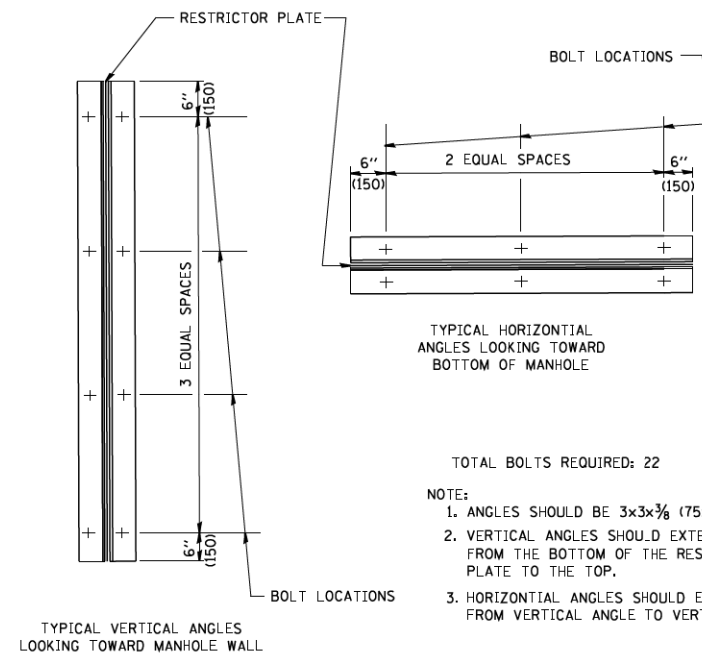
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	309
BD600-03 (BD-8)		CONTRACT NO. 61D65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STRUCTURE NUMBER	STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER (INCHES) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
4-02	105+55.00, 15.99' LT	8	2 T1F CL	SHARP EDGED	4.0	791.68	795.10
4-07	106+00.00, 16.24' LT	8	2 T1F CL	SHARP EDGED	4.0	791.31	793.58
5-12	113+05.00, 22.80' RT	6	2 T1F CL	SHARP EDGED	4.0	796.42	799.50
7-05	123+51.85, 6.00' LT	6	2 T1F CL	SHARP EDGED	4.25	791.57	793.40
12-02	215+00.00, 55.36' LT	10	2 T1F CL	SHARP EDGED	8.25	796.40	803.64



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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	PLOT DATE = 1/4/2008	DATE - 09-09-94	REVISED -

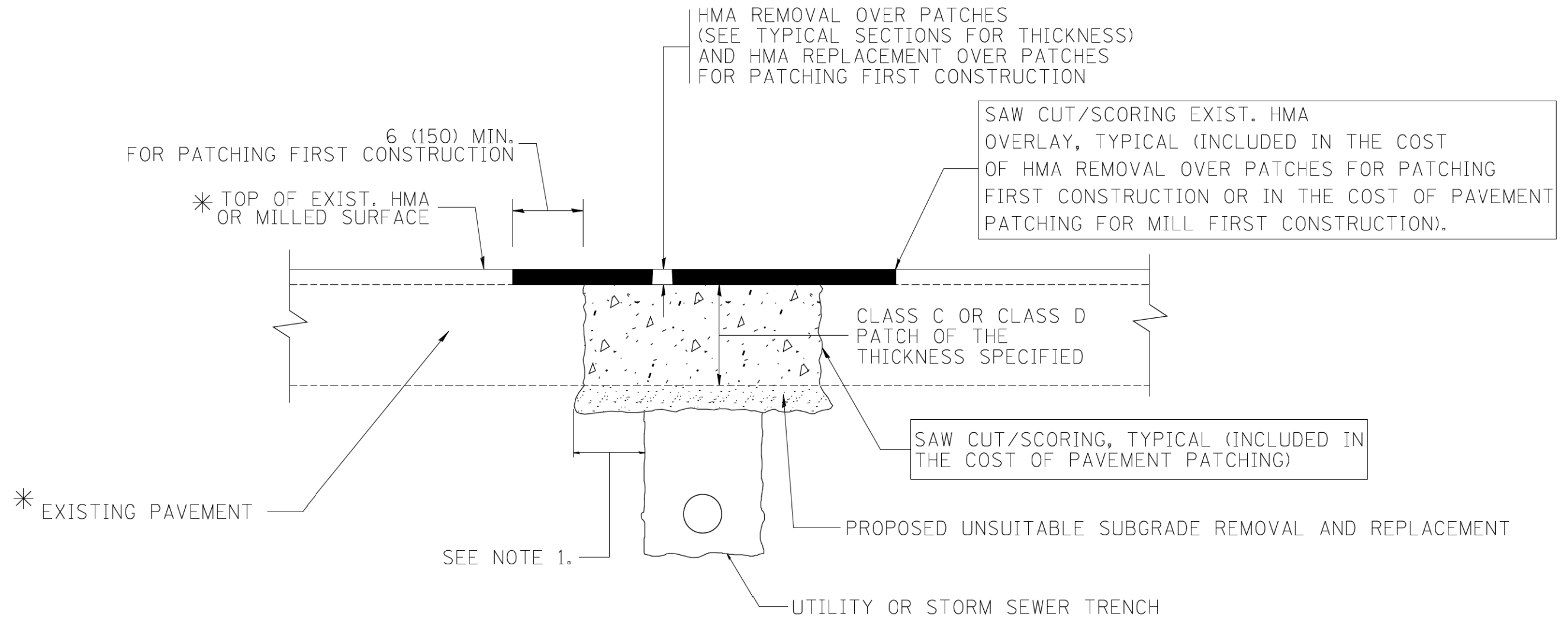
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
RESTRICTOR PLATE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 310
BD600-04 (BD-12)		CONTRACT NO. 61D65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

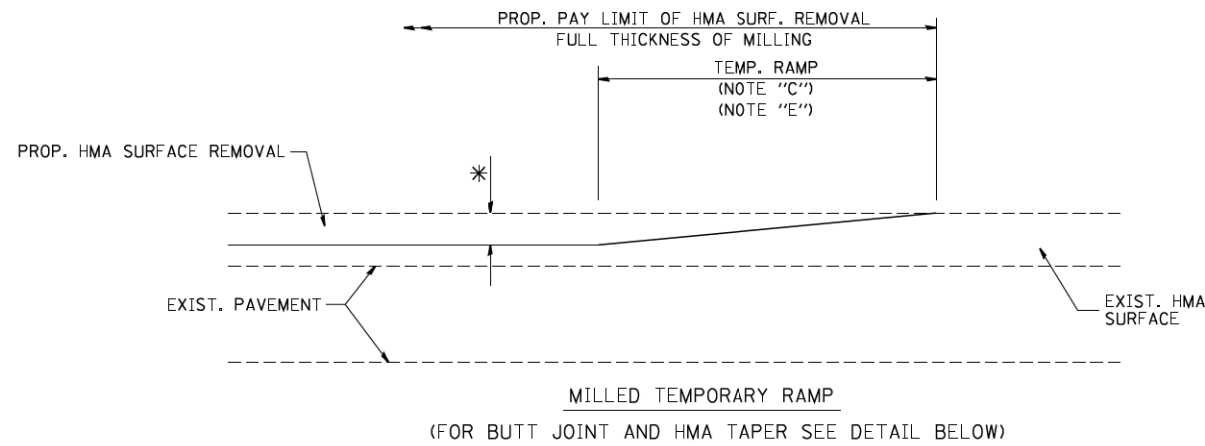
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		CHECKED -	REVISED - R. BORO 09-04-07
		DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

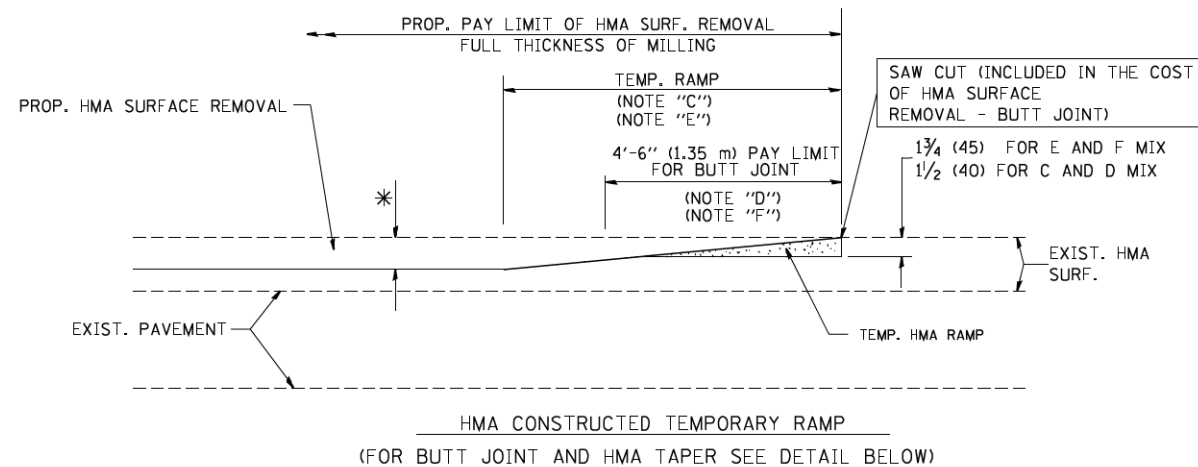
**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 311
BD400-04 (BD-22)		CONTRACT NO. 61D65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

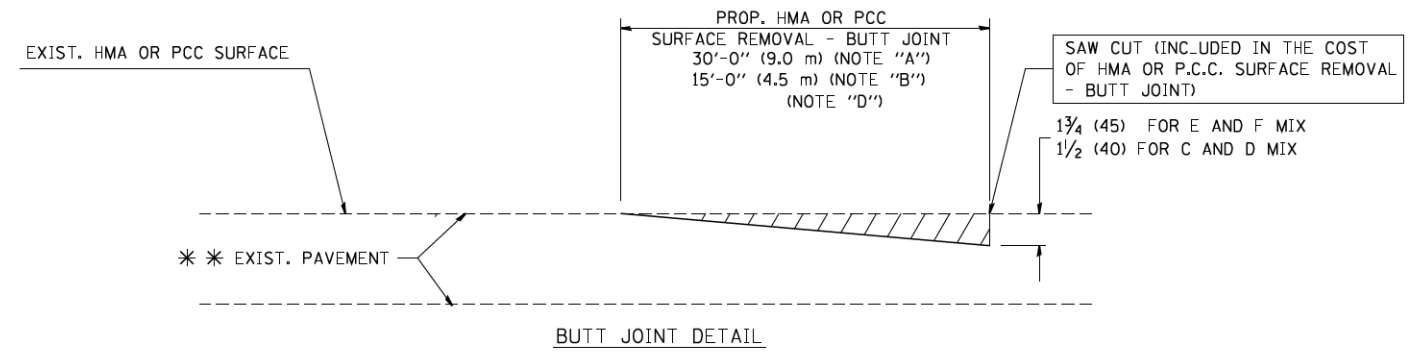


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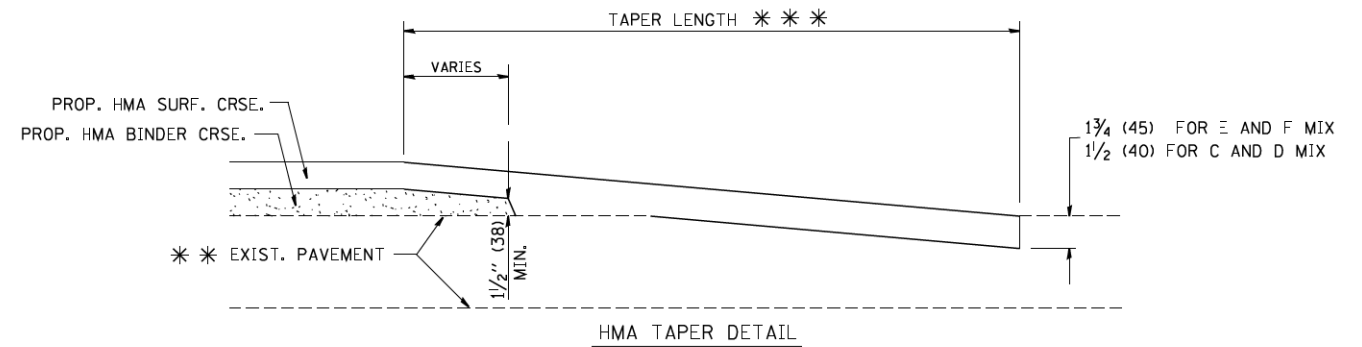


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

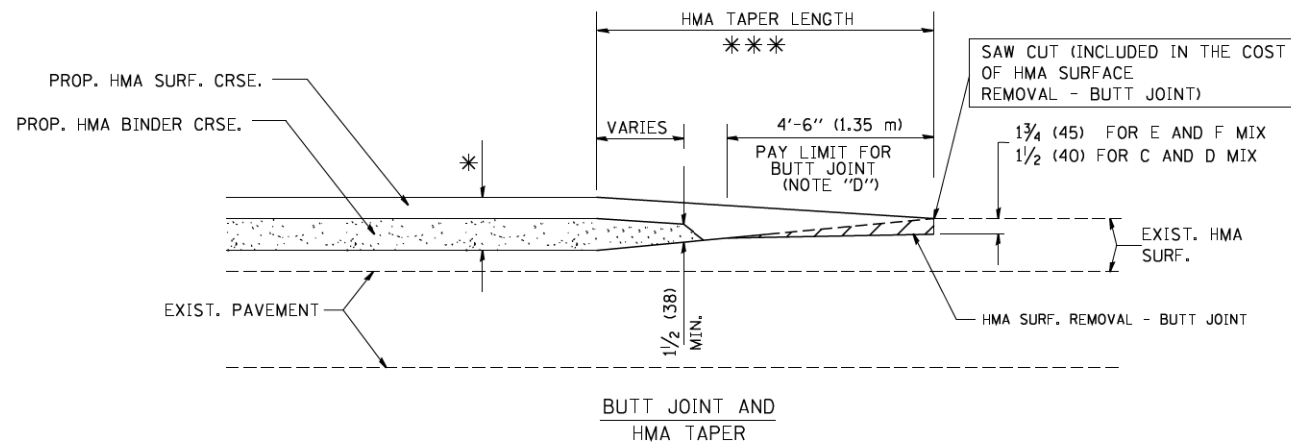
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

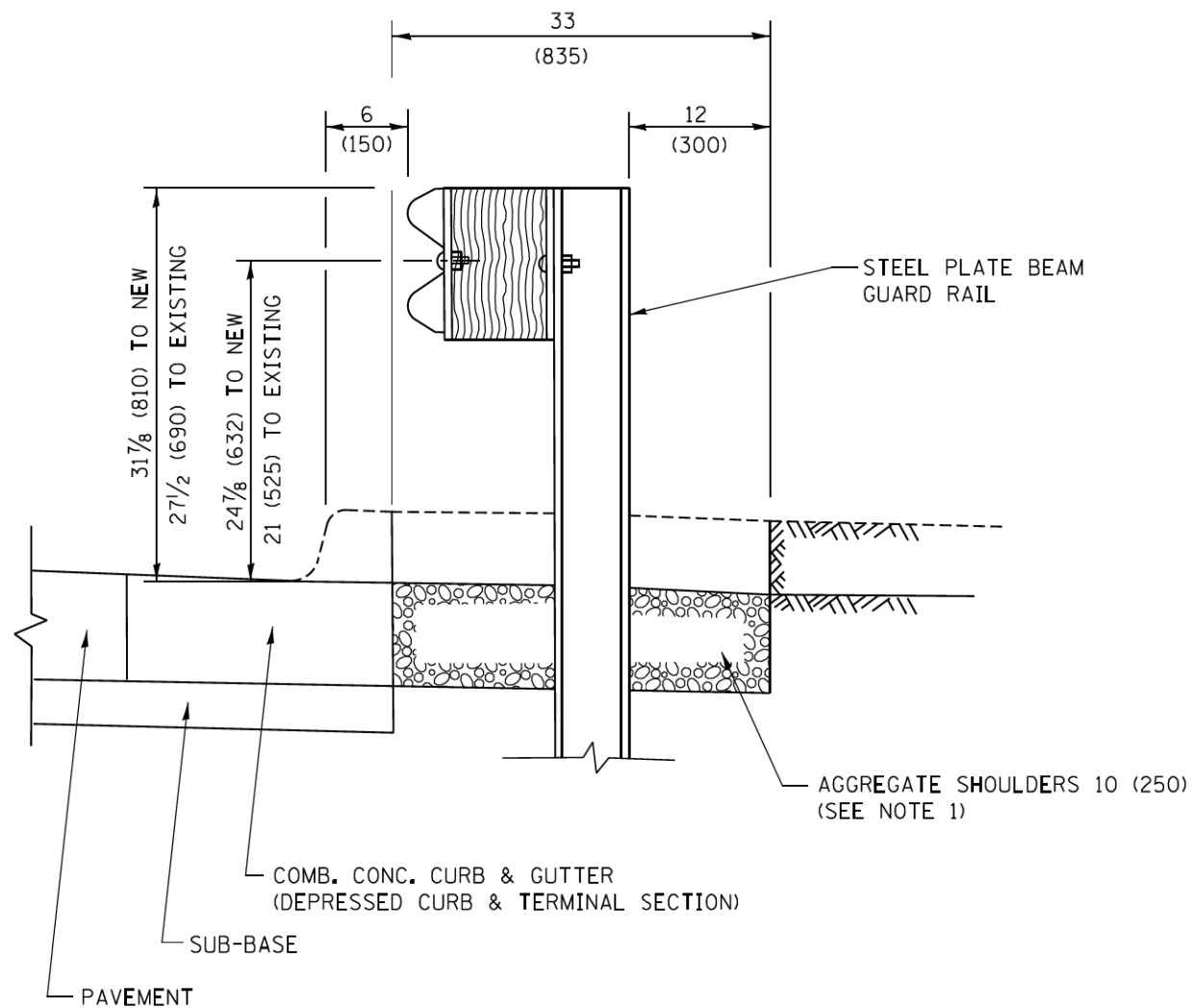
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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

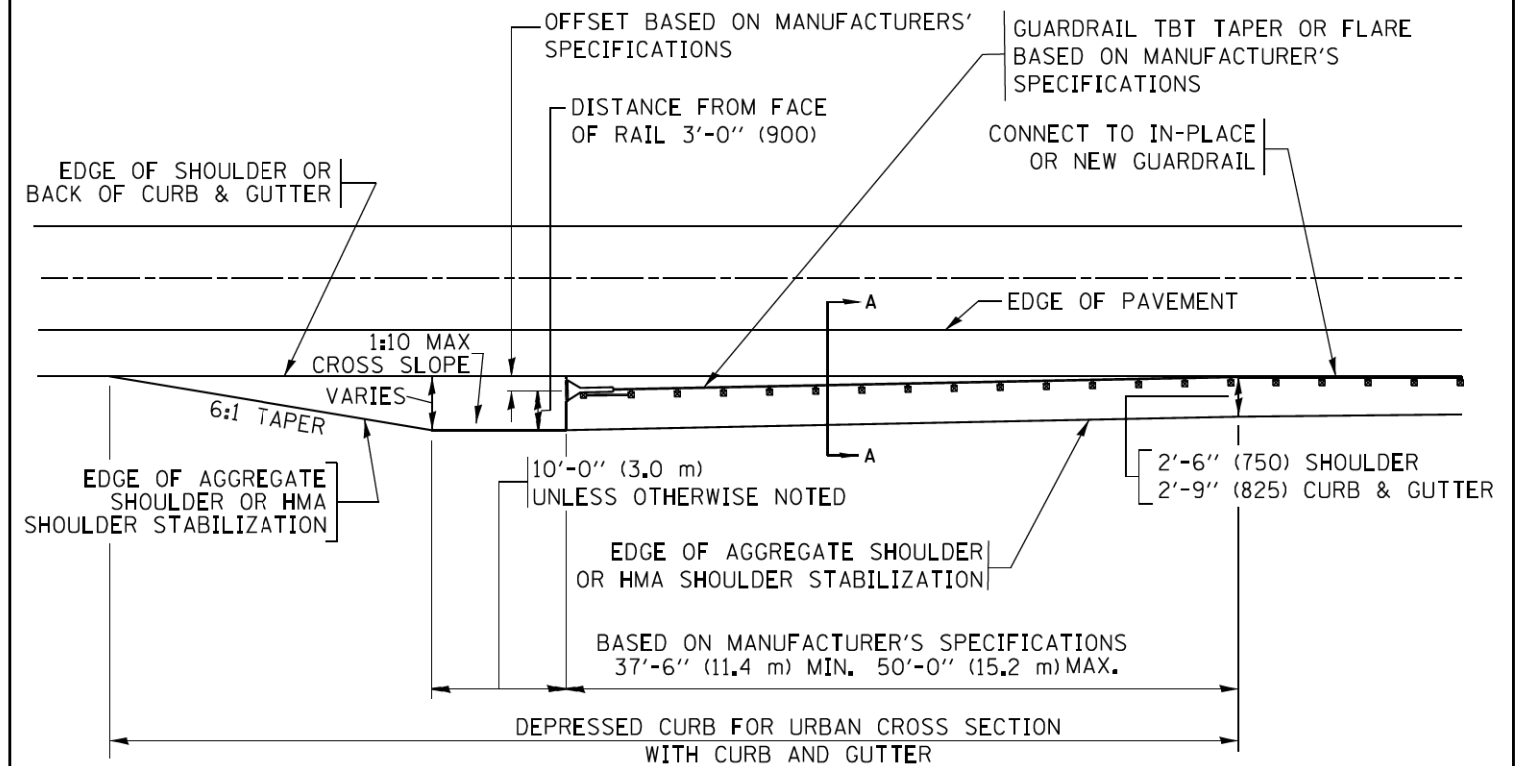
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BD400-05 BD32		CONTRACT NO. 61D65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

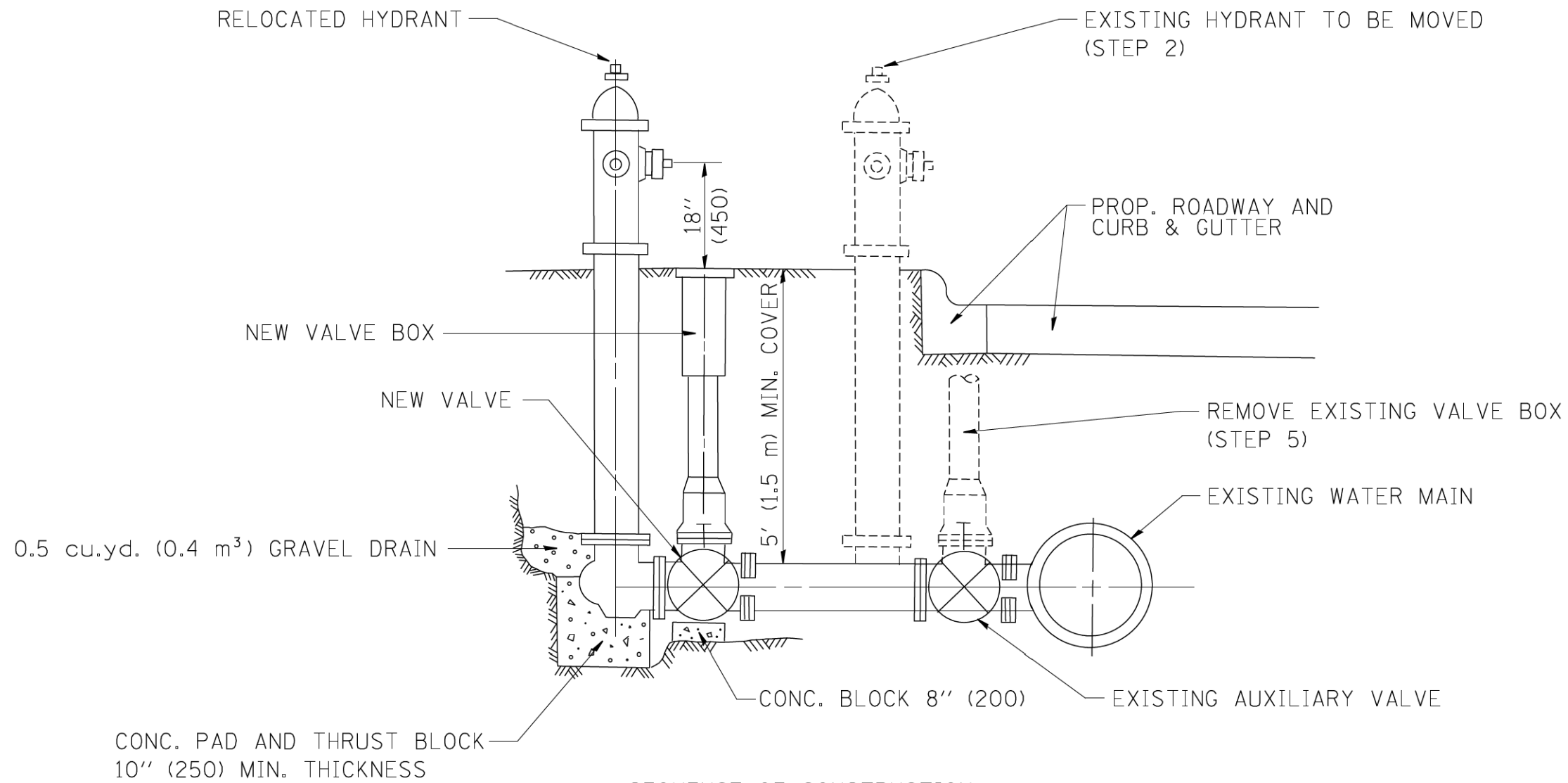
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	PLOT DATE = 12/21/2015		REVISED - R. BORO 05-08-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.

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

F.A. RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 313
BD600-10 (BD 34)		CONTRACT NO.	61D65	
ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94					2549	09-00174-05-CH	LAKE	423	314
PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD-36		CONTRACT NO. 61D65		
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

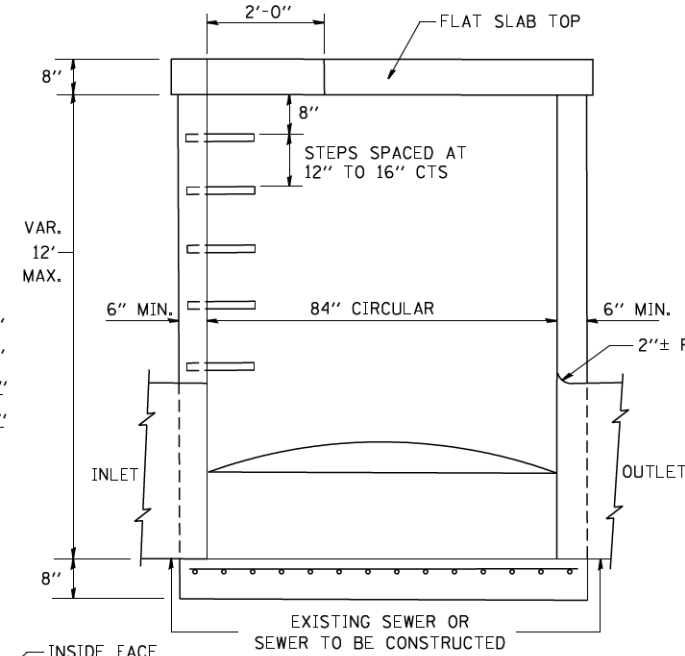
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

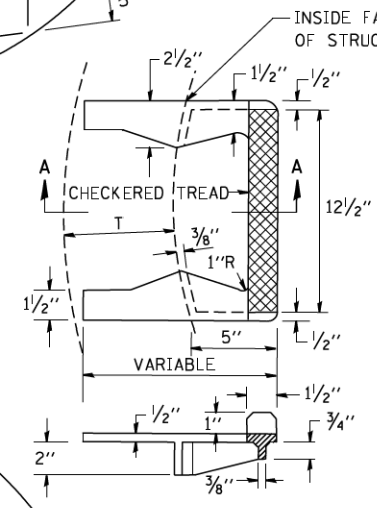
BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

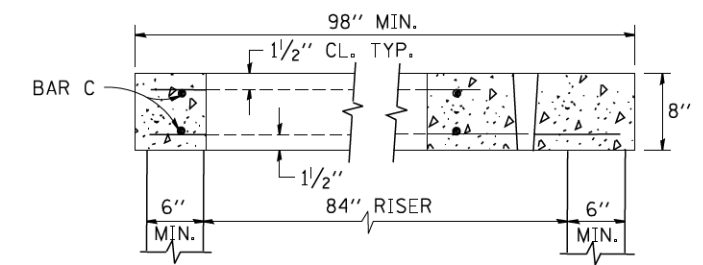
LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



ELEVATION

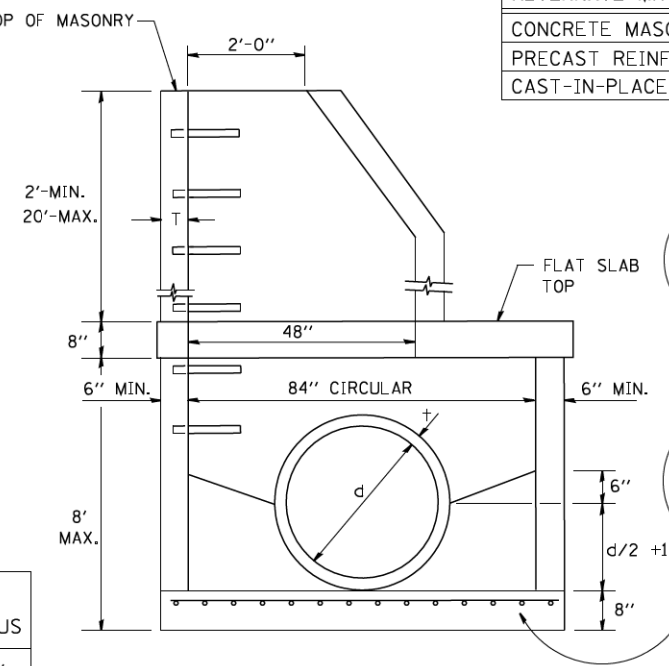


**SEC. A-A
CAST IRON STEPS**

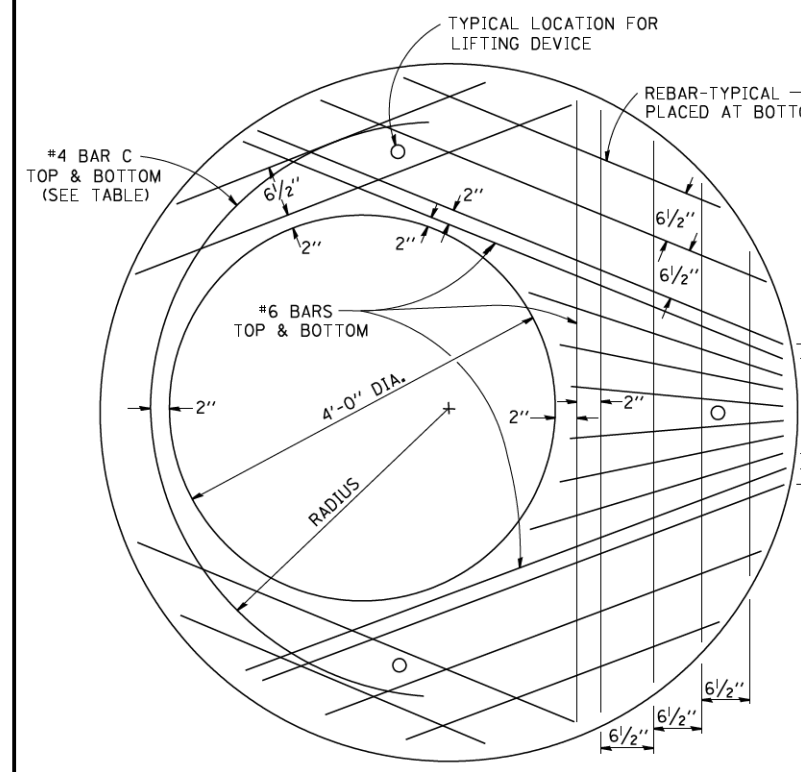
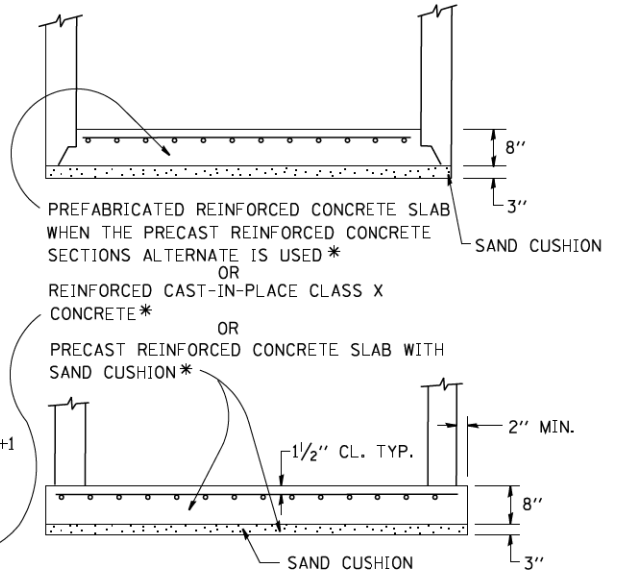


SECTION B-B

ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



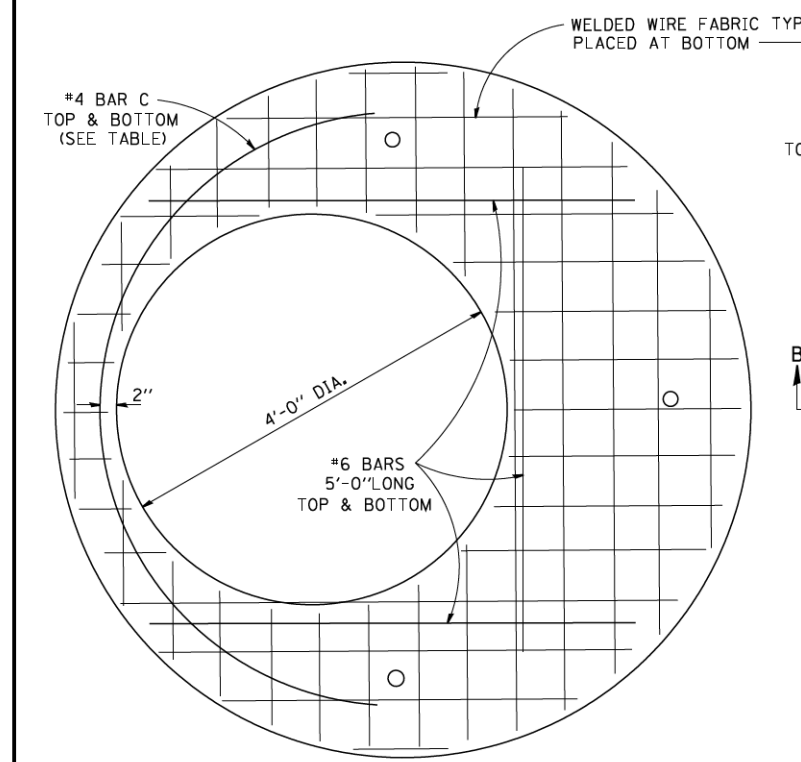
ELEVATION



PLAN

SHOWING REBAR REINFORCEMENT

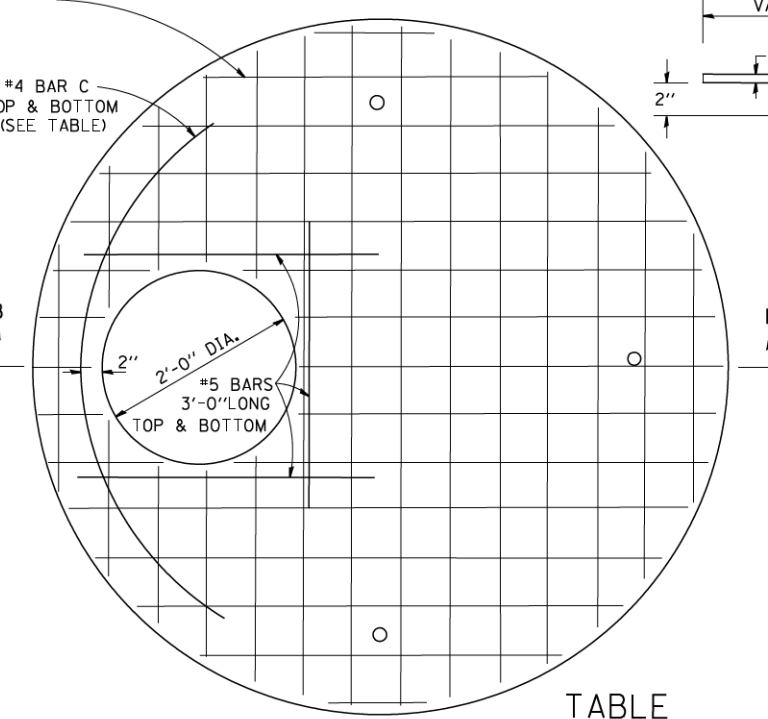
SEC. A-A



PLAN

SHOWING WELDED WIRE FABRIC REINFORCEMENT

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.



TABLE

DIAMETER OF OPENING	REINFORCEMENT "A" WWF OR BAR SIZE EACH DIRECTION	BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

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 PLOT DATE = 1/4/2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 10-18-02

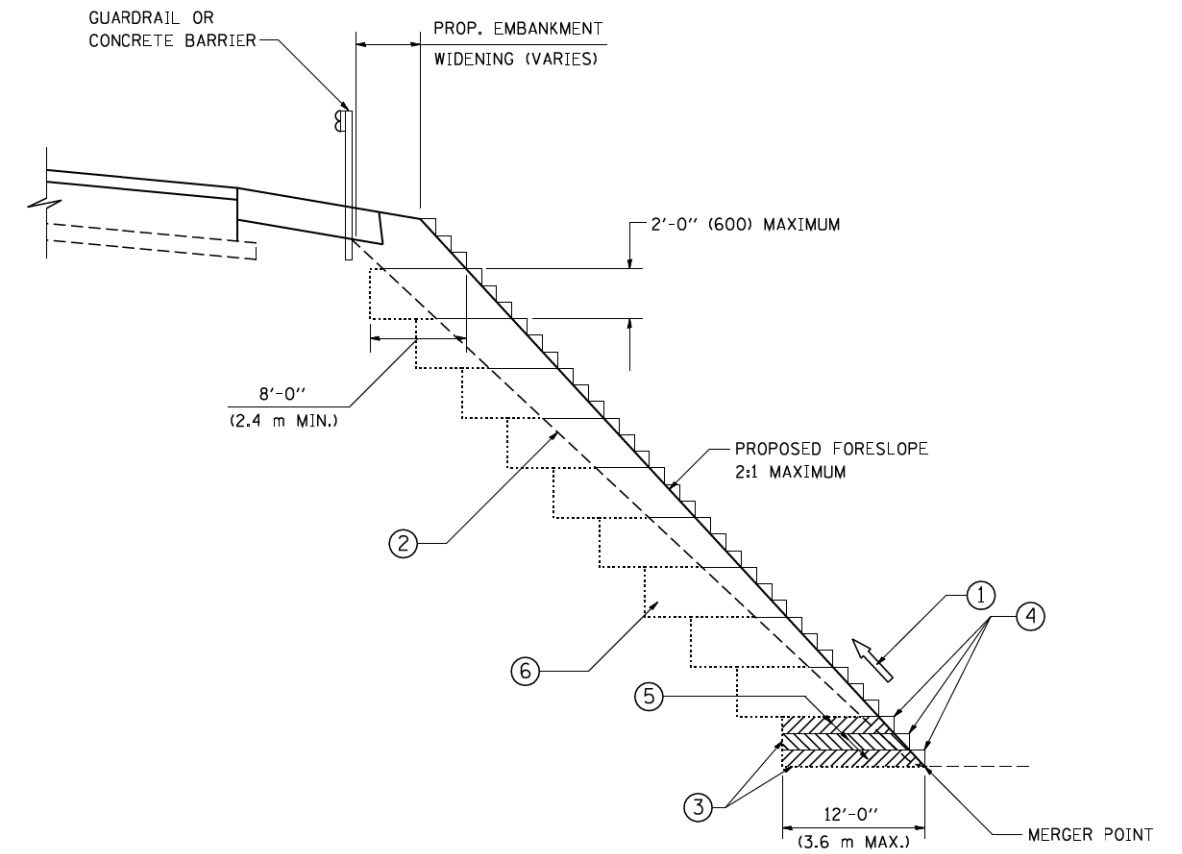
REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MANHOLE TYPE A
 7 FOOT DIAMETER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. U. R.T.E. 2549 SECTION 09-00174-05-CH COUNTY LAKE TOTAL SHEETS 423 SHEET NO. 315
 BD600-11 (BD-37) CONTRACT NO. 61D65
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

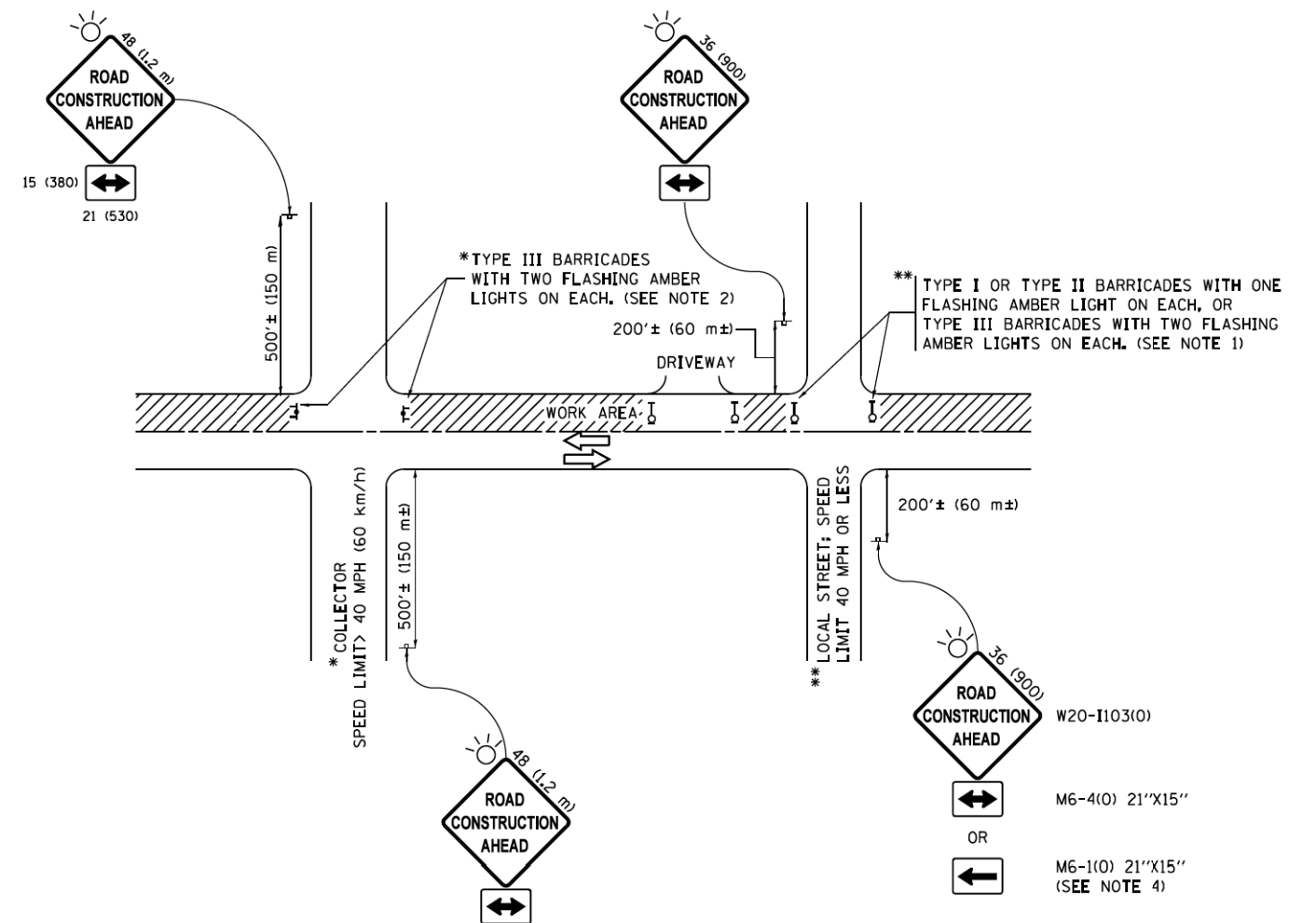
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. .U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	316
BD-51			CONTRACT NO. 61D65	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

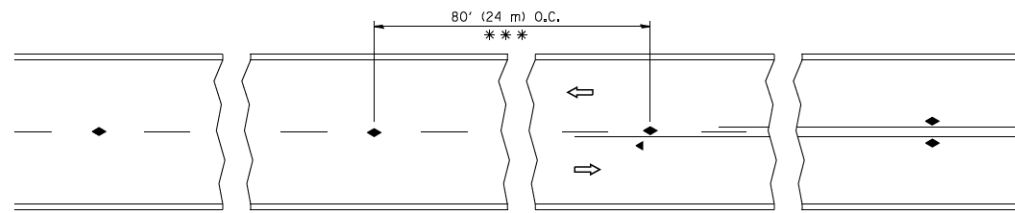
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

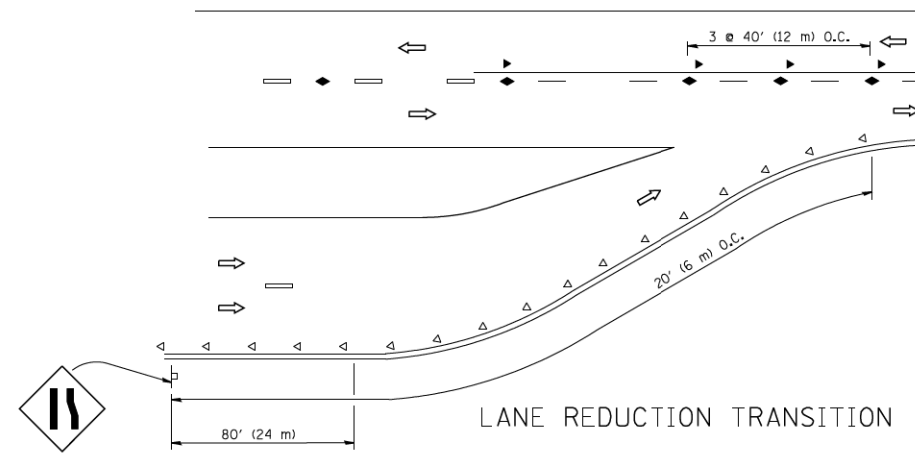
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO. 61D65		
ILLINOIS FED. AID PROJECT				

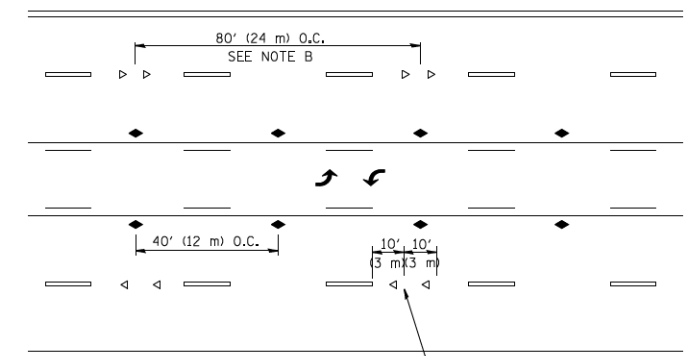


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

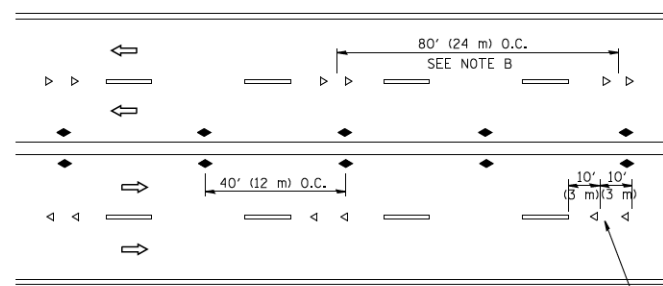
TWO-LANE/TWO-WAY



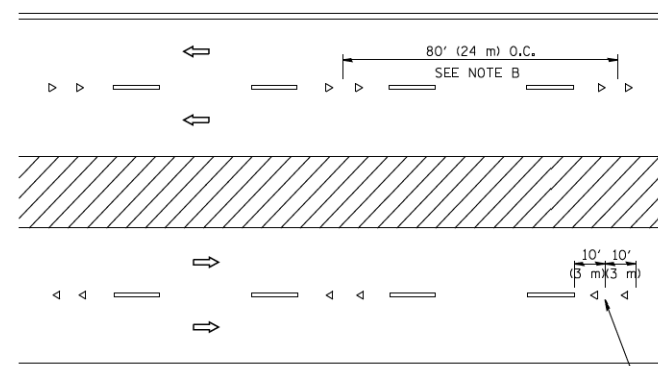
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

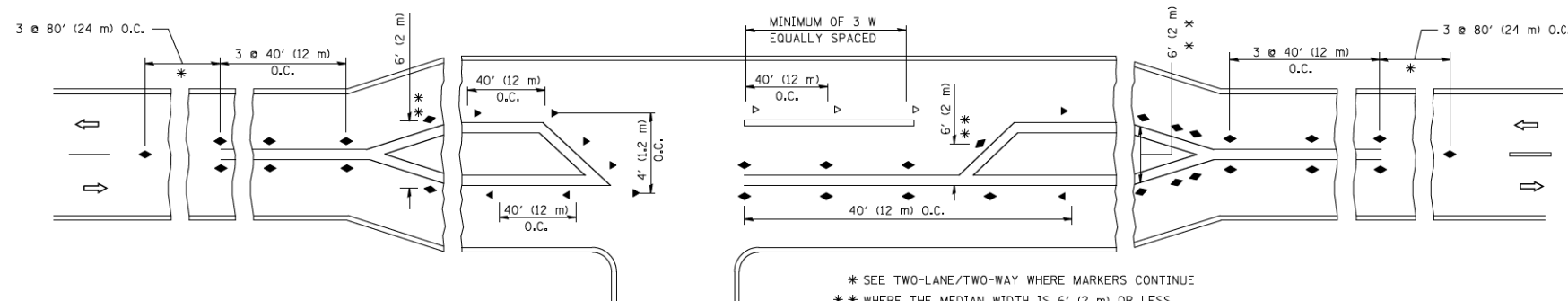
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

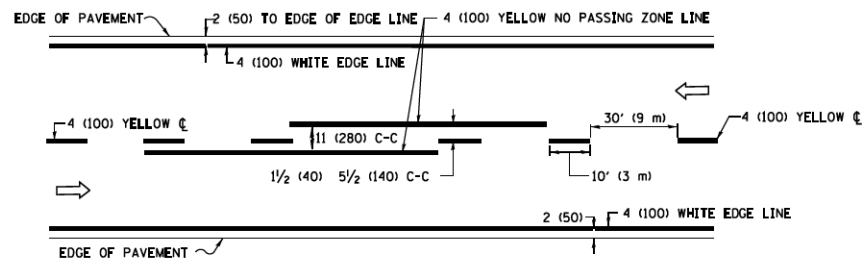
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

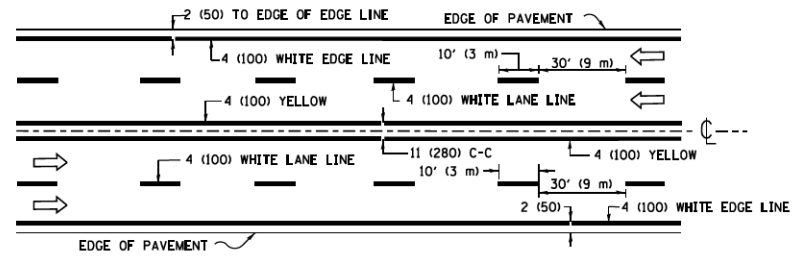
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

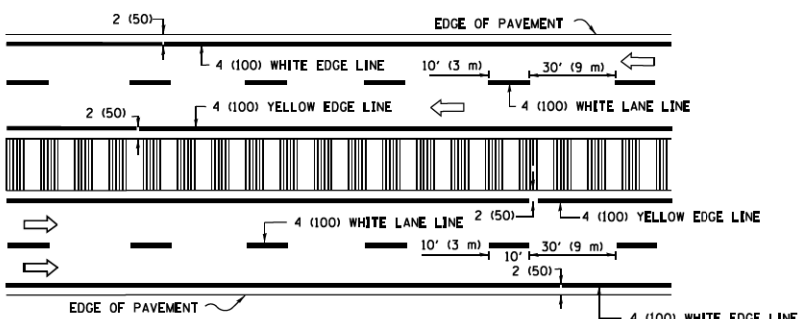
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2549	09-00174-05-CH	LAKE	423	318
TC-11		CONTRACT NO. 61D65		
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



2-LANE ROADWAY

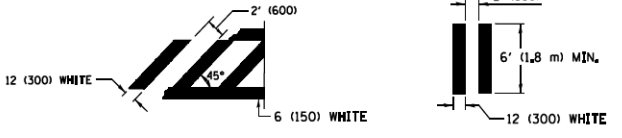
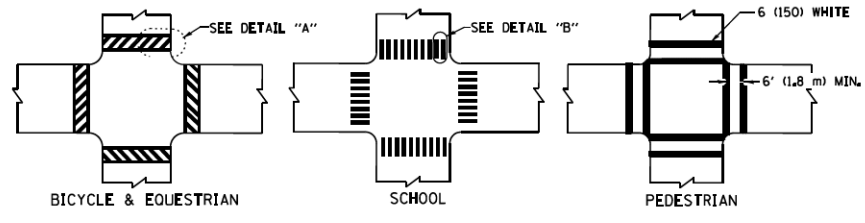


MULTI-LANE UNDIVIDED



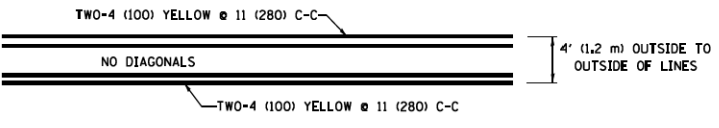
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

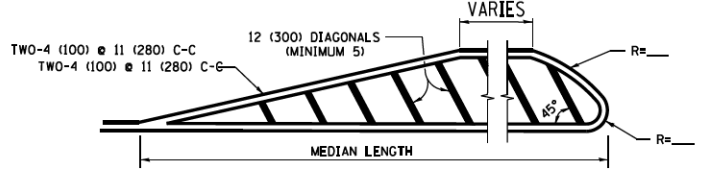


TYPICAL CROSSWALK MARKING

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



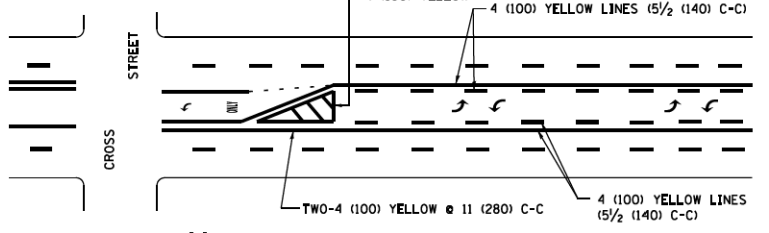
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

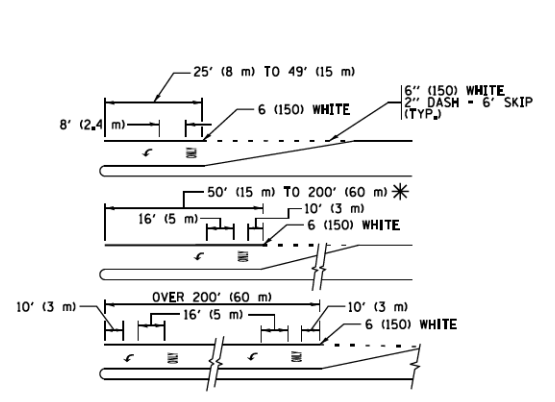
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



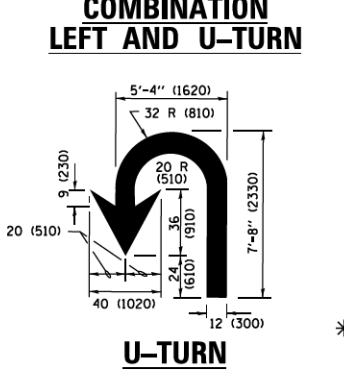
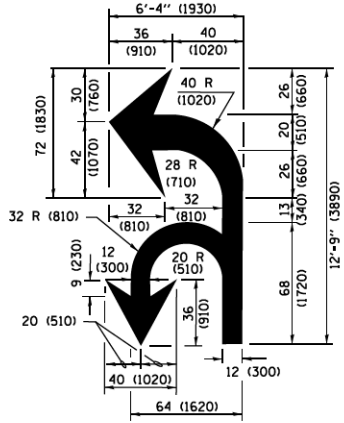
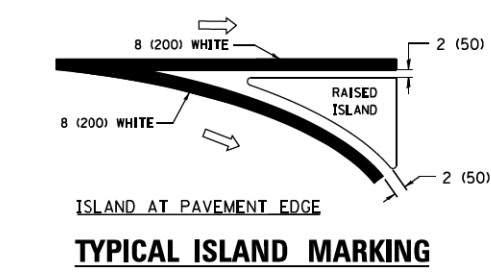
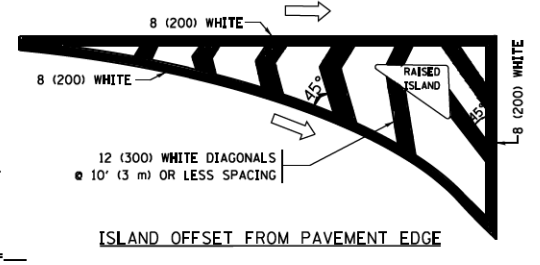
MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
 AREA = 15,6 SQ. FT. (1,5 m²) | AREA = 20,8 SQ. FT. (1,9 m²)

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



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

LANE REDUCTION TRANSITION

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

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	5/2 (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; 5/2 (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 30MPH (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" 15' 6" (4,8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "R"=3,6 SQ. FT. (0,33 m ²) EACH "X"=54,0 SQ. FT. (5,0 m ²)
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.

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

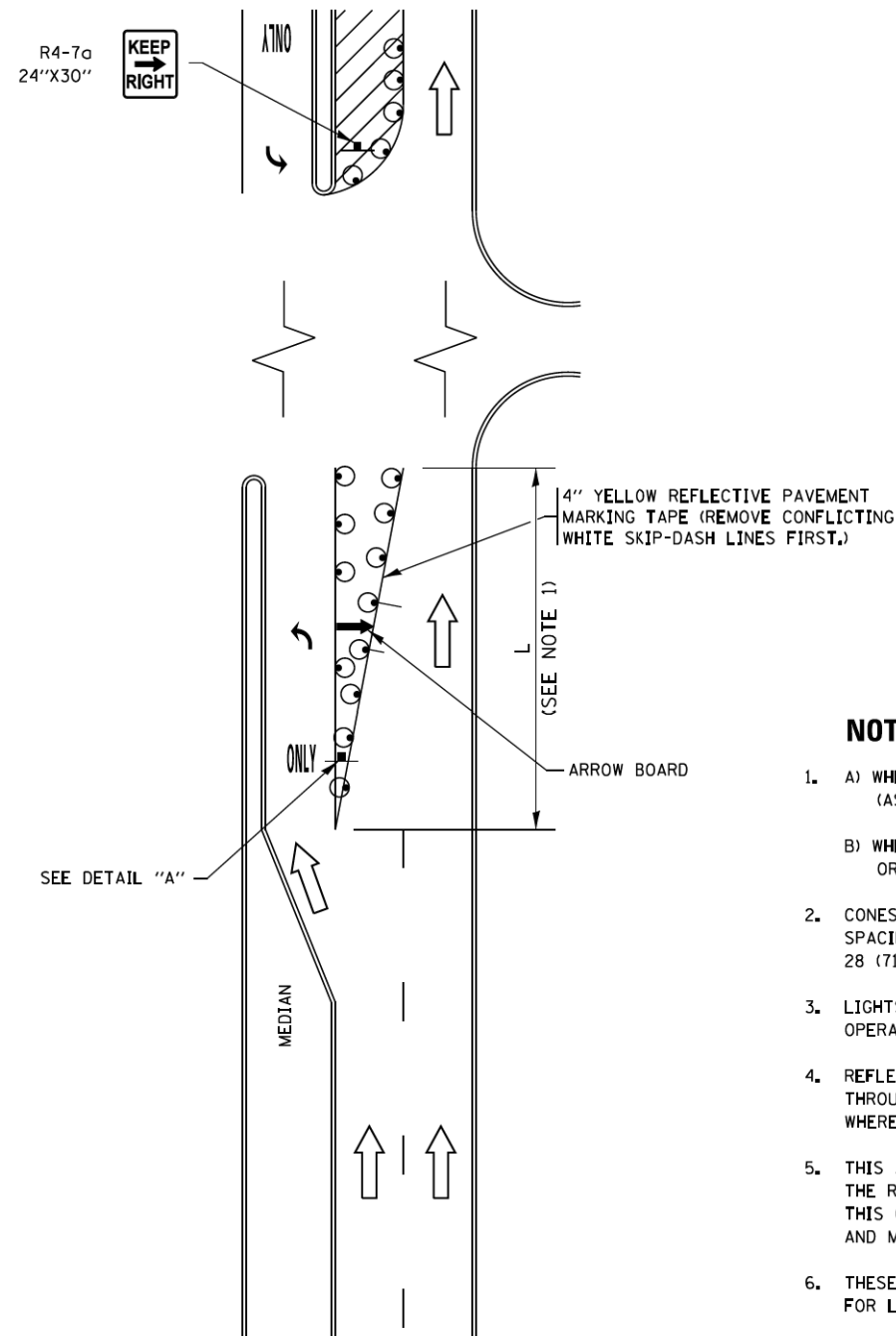


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

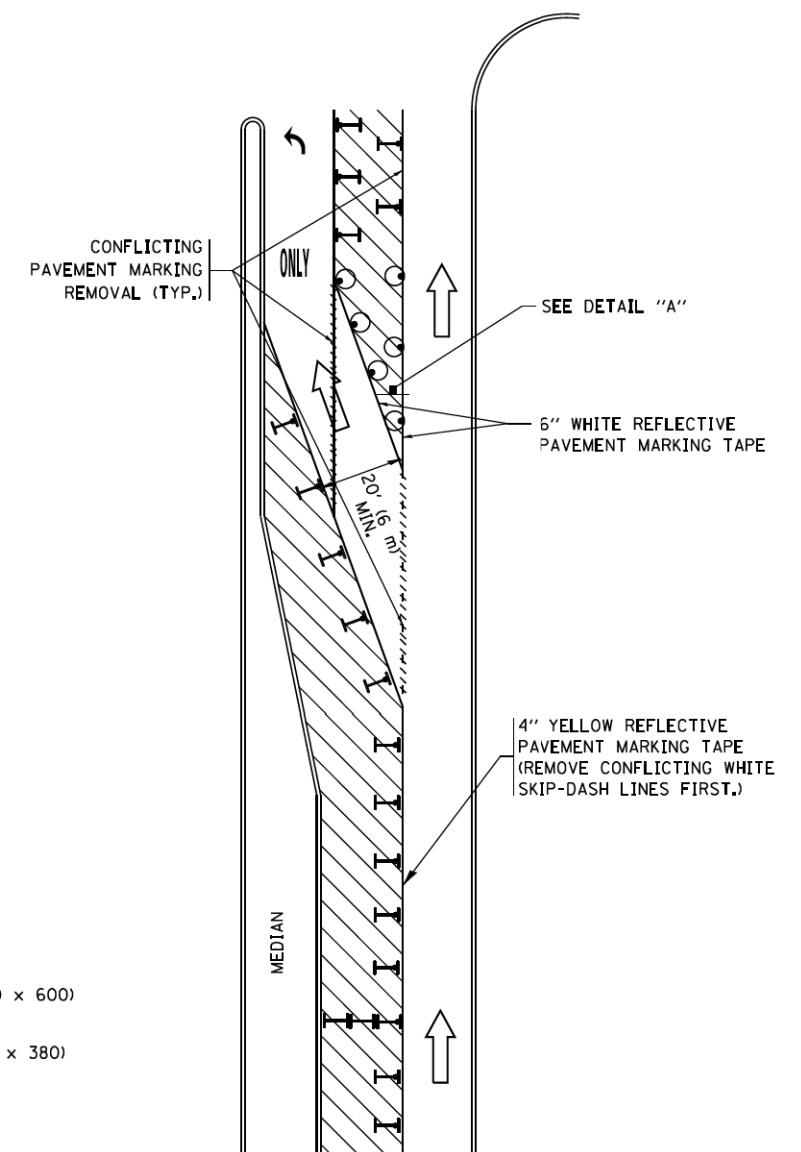


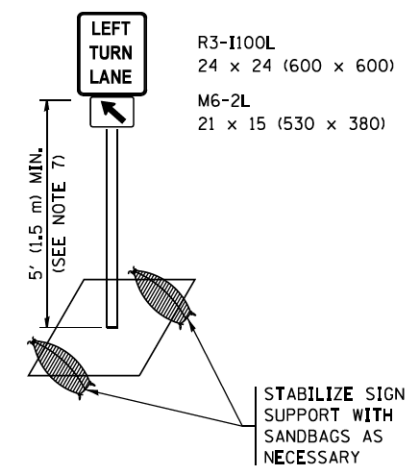
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

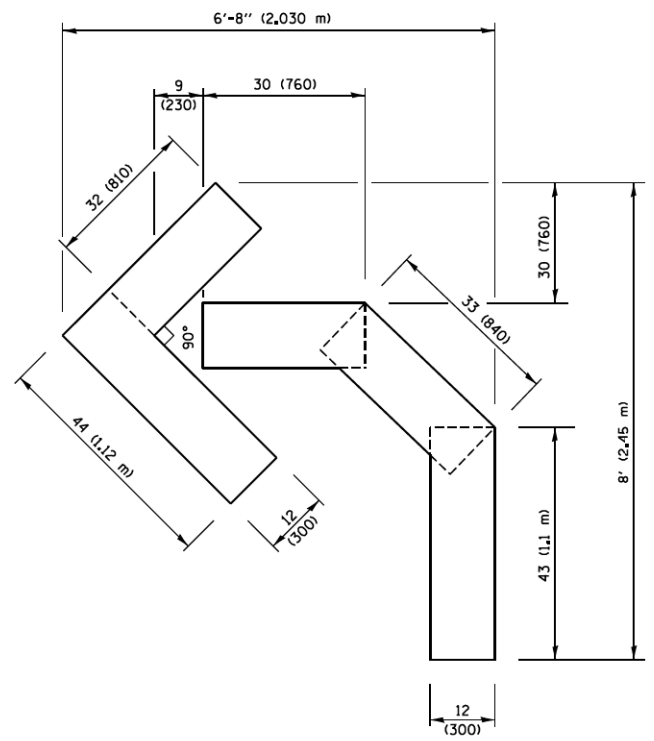
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



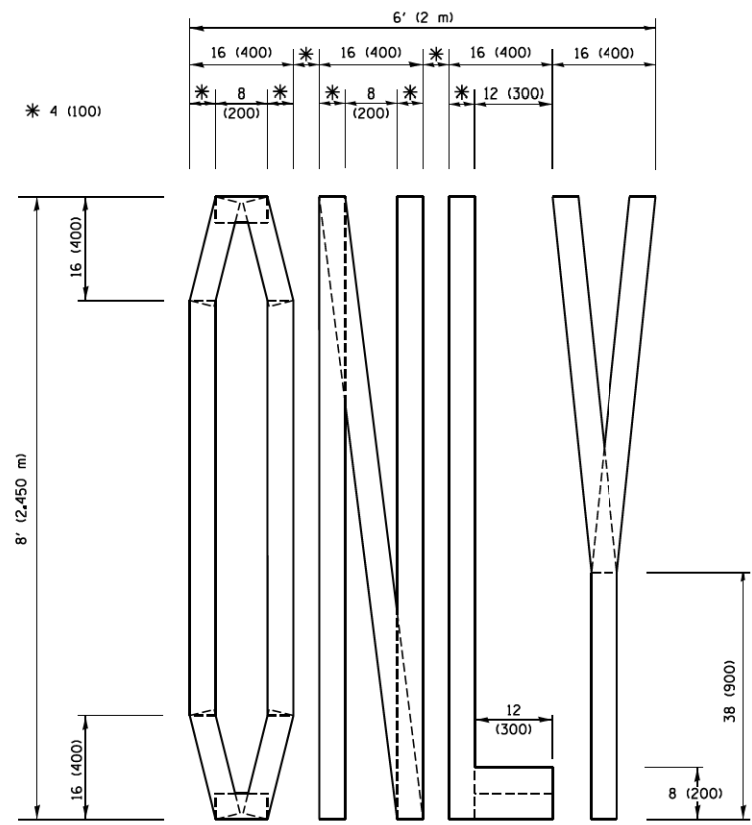
DETAIL A

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

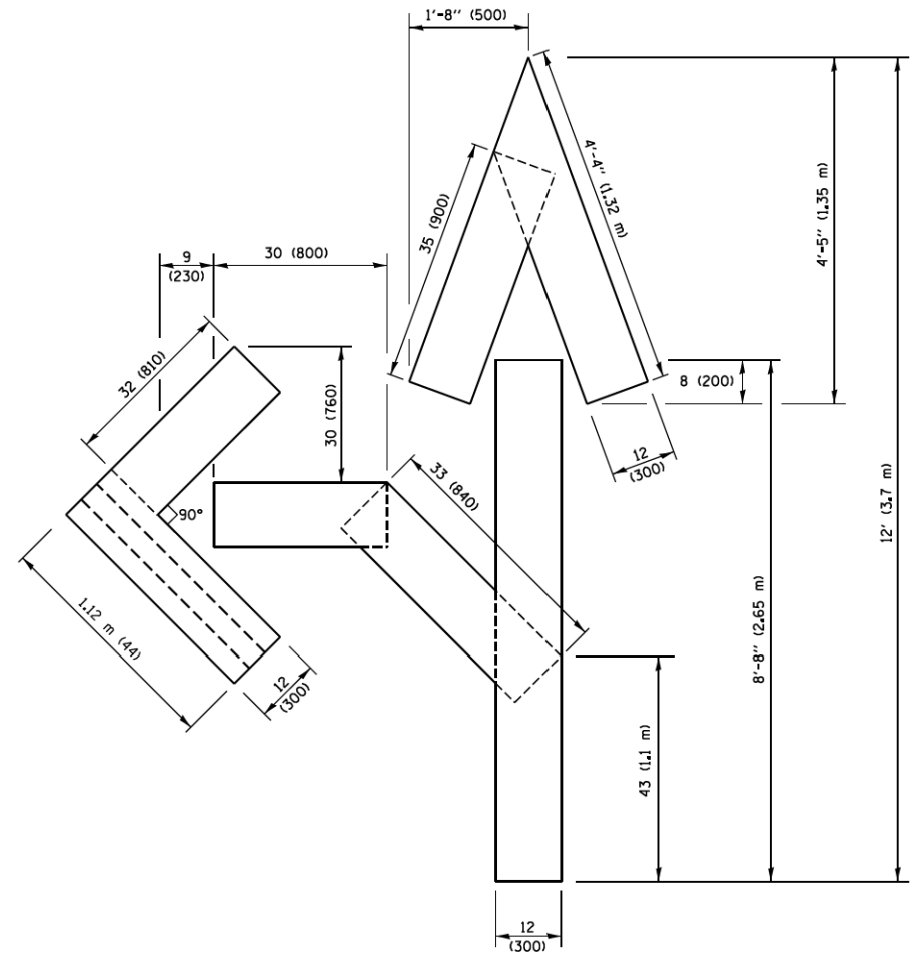
FILE NAME =	USER NAME = foatemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 50.0000 / 1 in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 07-01-13			2549	09-00174-05-CH	LAKE	423	320	
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	TC-14 CONTRACT NO. 61D65		
									ILLINOIS FED. AID PROJECT		



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

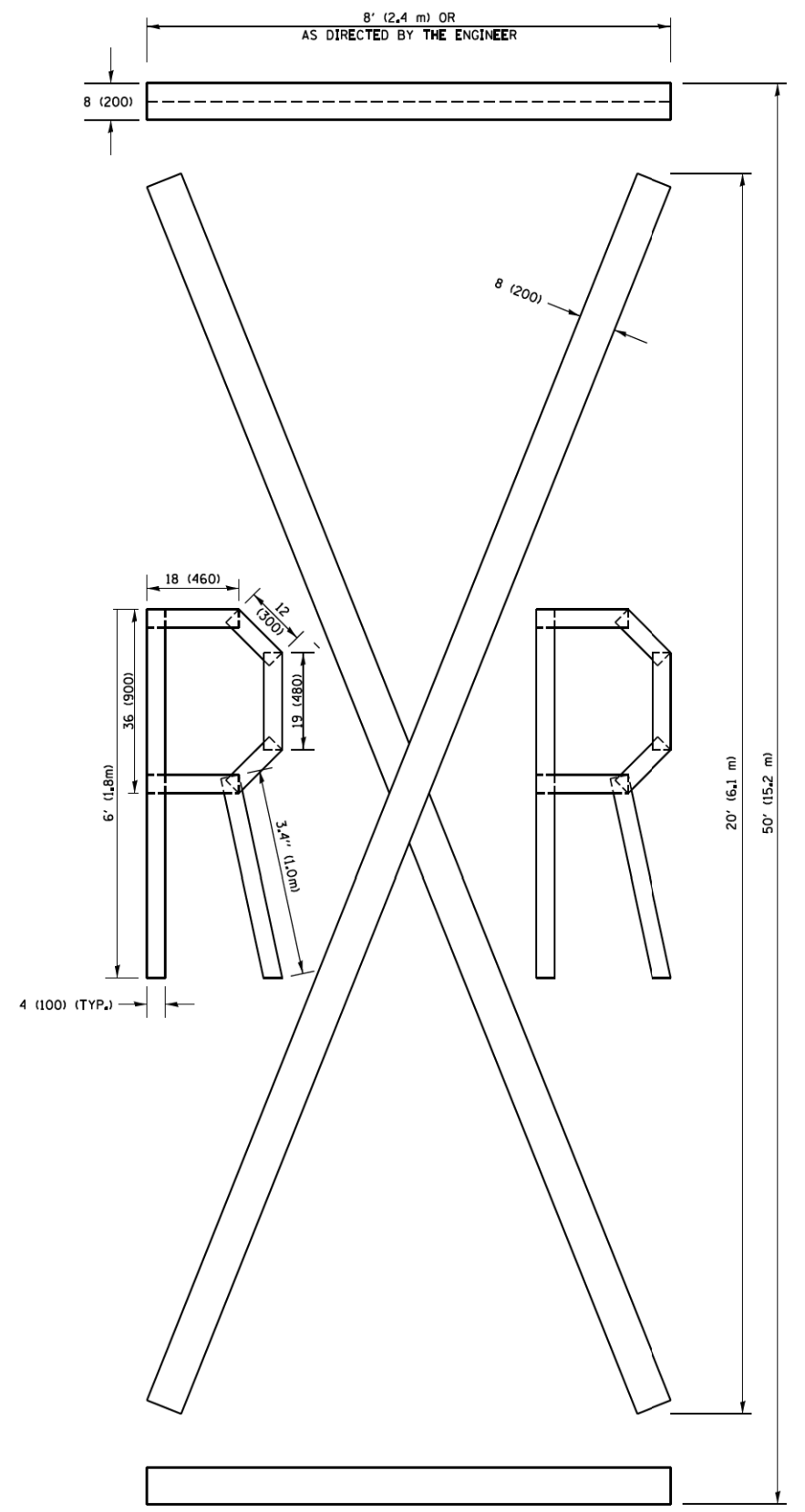


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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.

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\11084E8D\INTEG\11nois.gov\IDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWING\CADDData\CADsheets\c16.dgn		DRAWN -	REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 58.0000 / 1"		DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 9/15/2016			


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS


SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	321
TC-16		CONTRACT NO. 61D65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				






ROUTE MARKERS

 FOR U.S. ROUTES
M1-40-2424






 FOR ILLINOIS ROUTES
M1-50-2424

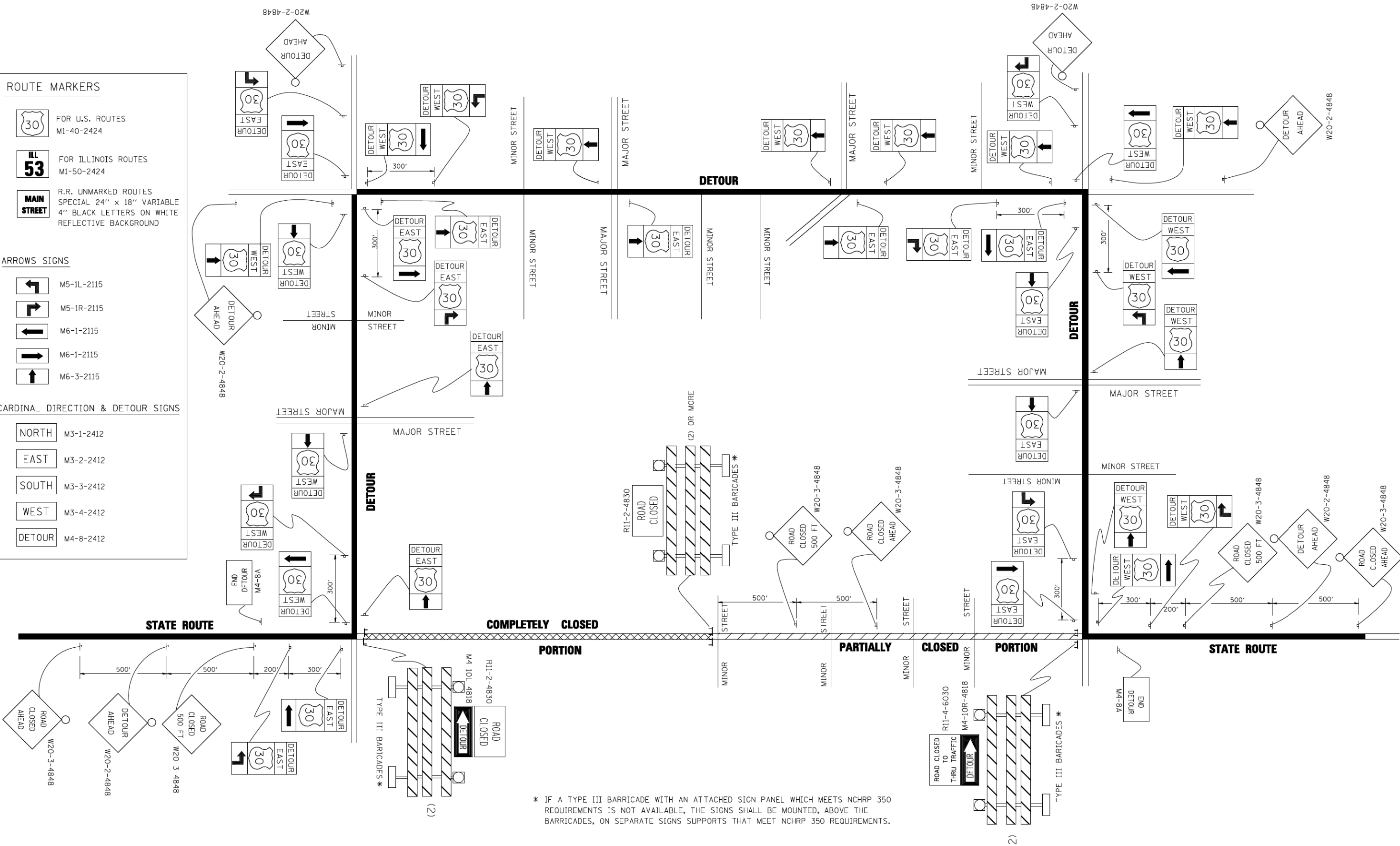
 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



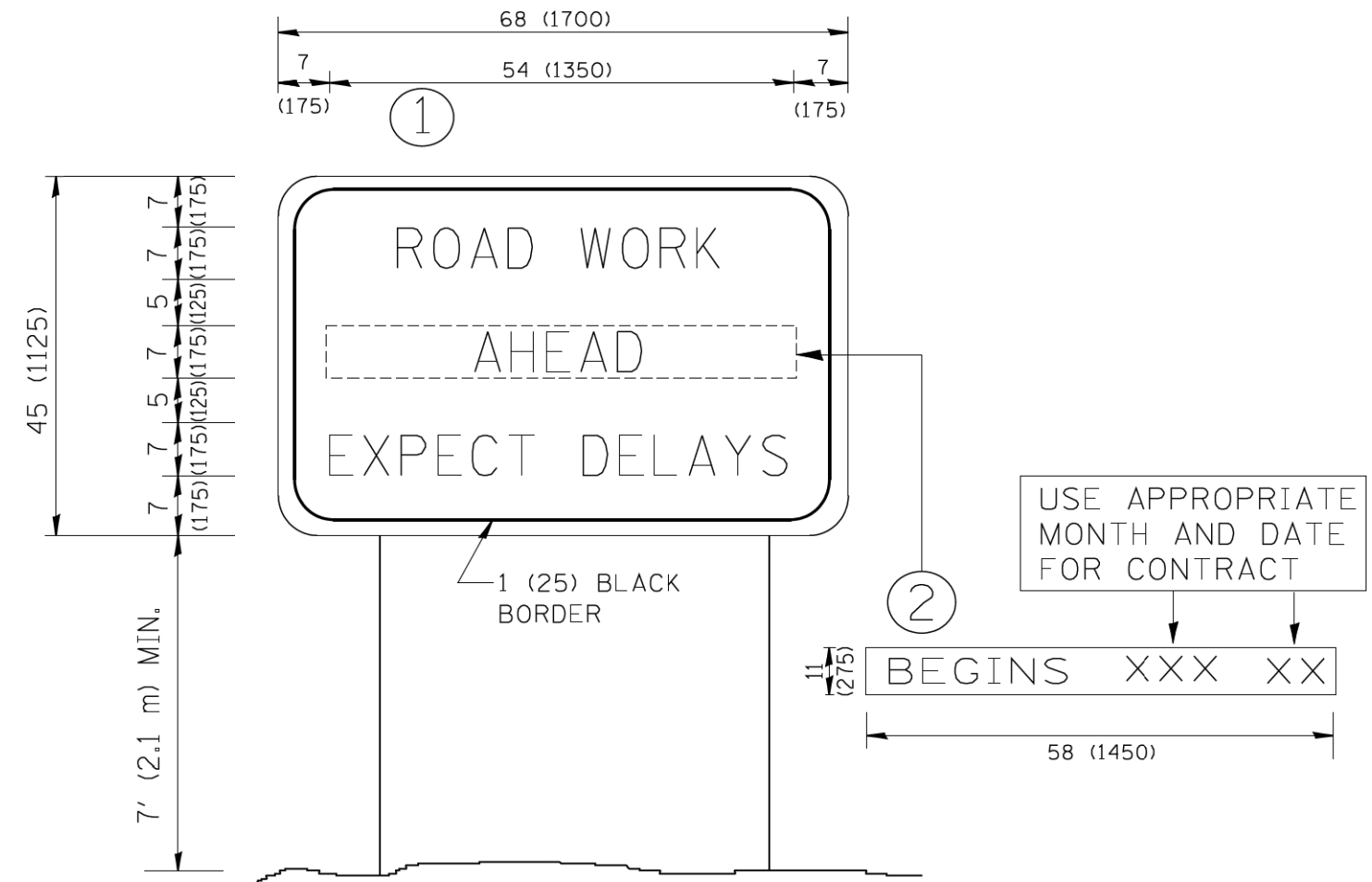
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
cc:\pw\work\PIWID01\DRIVAKOSGN\d0108315\td21.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING		SCALE: NONE	
FOR CLOSING STATE HIGHWAYS		SHEET NO. 1 OF 1 SHEETS	
STA.	TO STA.		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	322
TC-21		CONTRACT NO. 6ID65		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

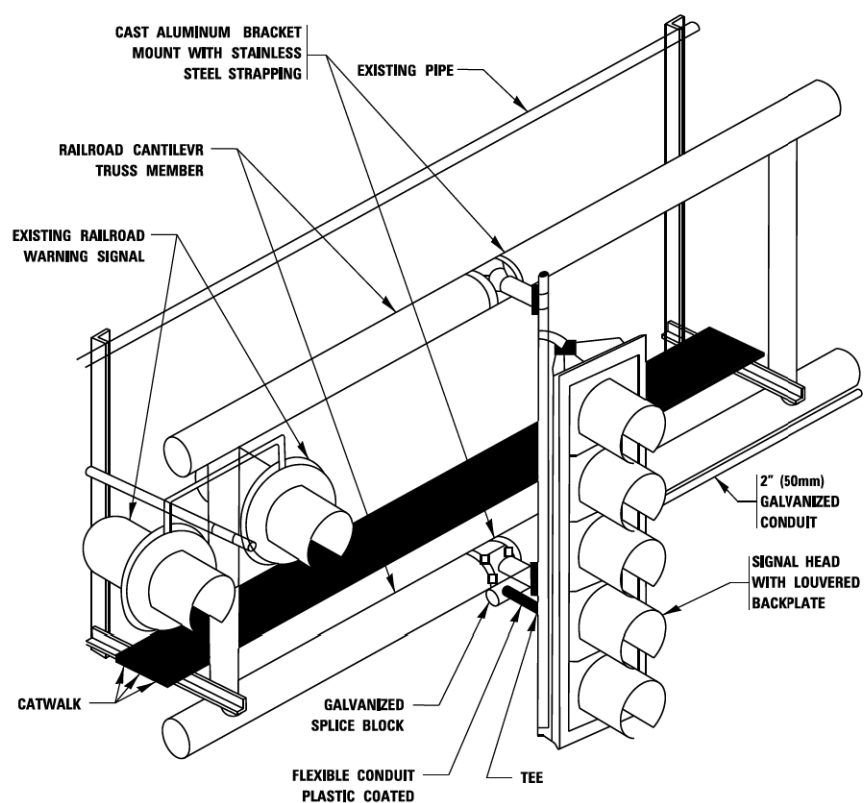
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = geglano	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07
PLOT DATE = 1/4/2008	DATE -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 323
TC-22			CONTRACT NO. 61D65	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



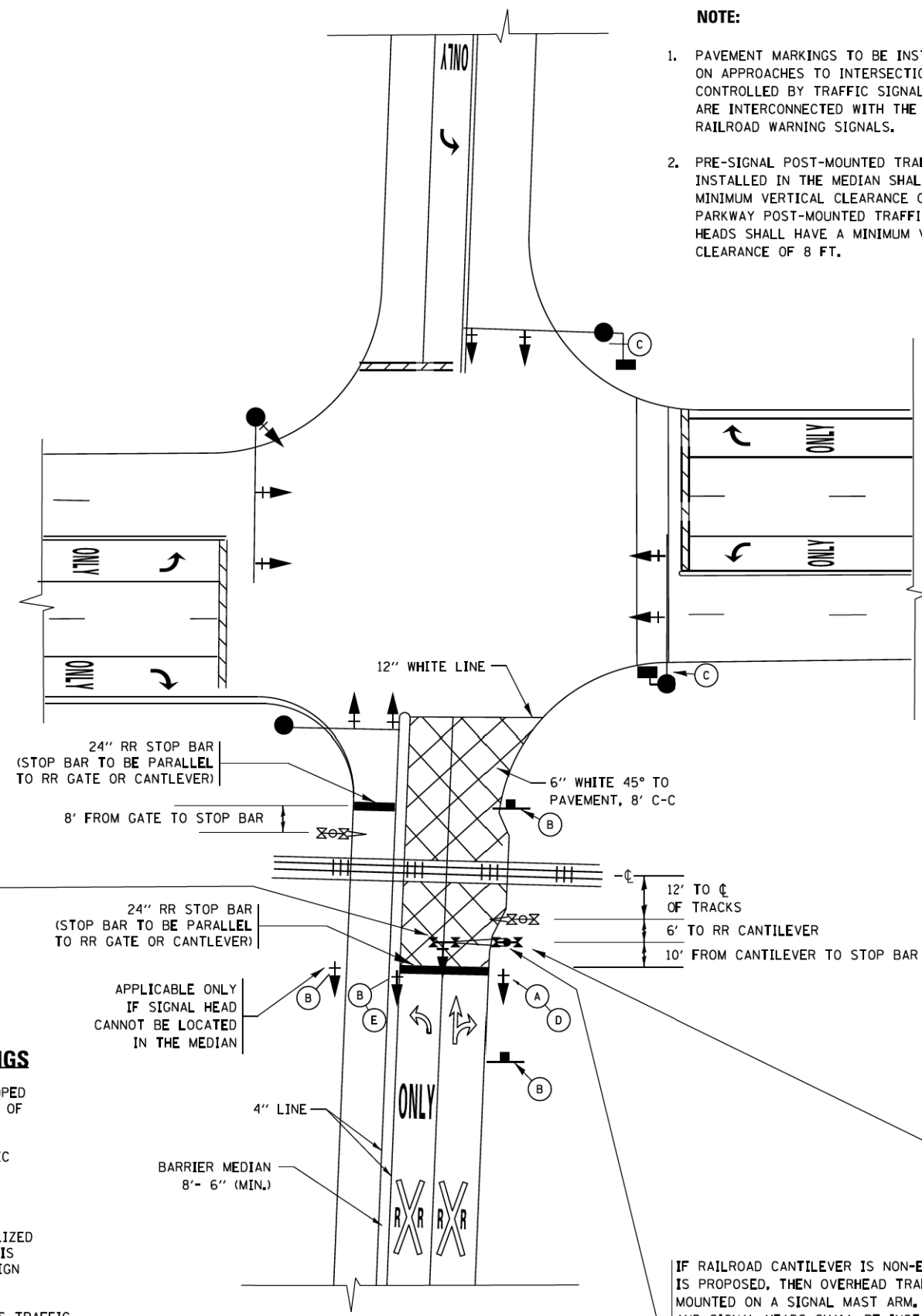
RAILROAD CANTILEVER SIGNAL HEAD MOUNTING
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION
 N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

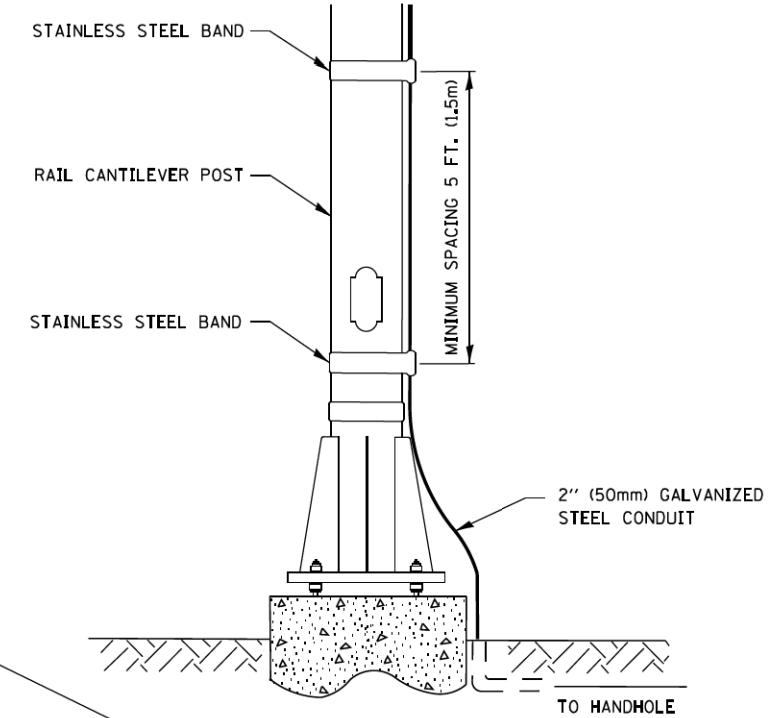
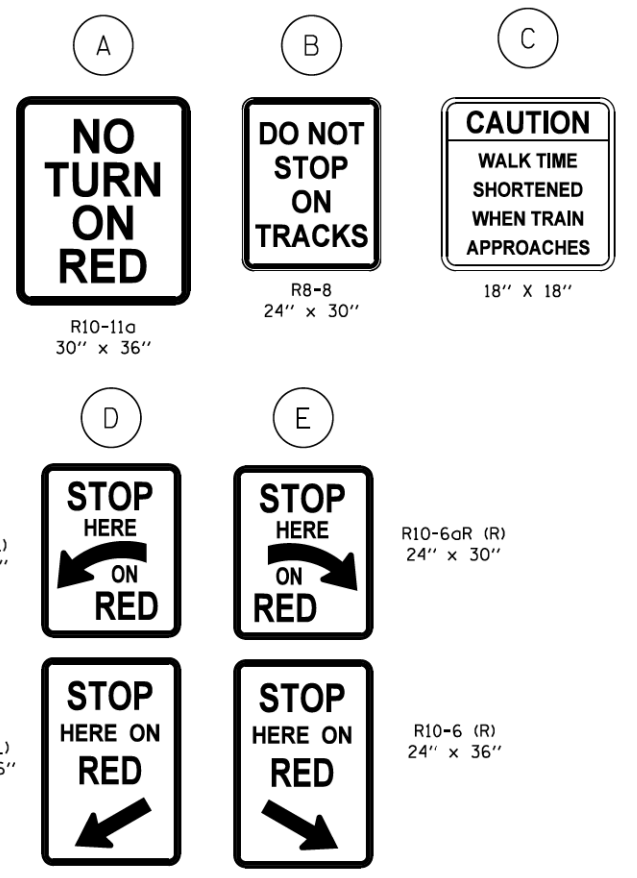
THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.



SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL

- NOTE:**
- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
 - PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

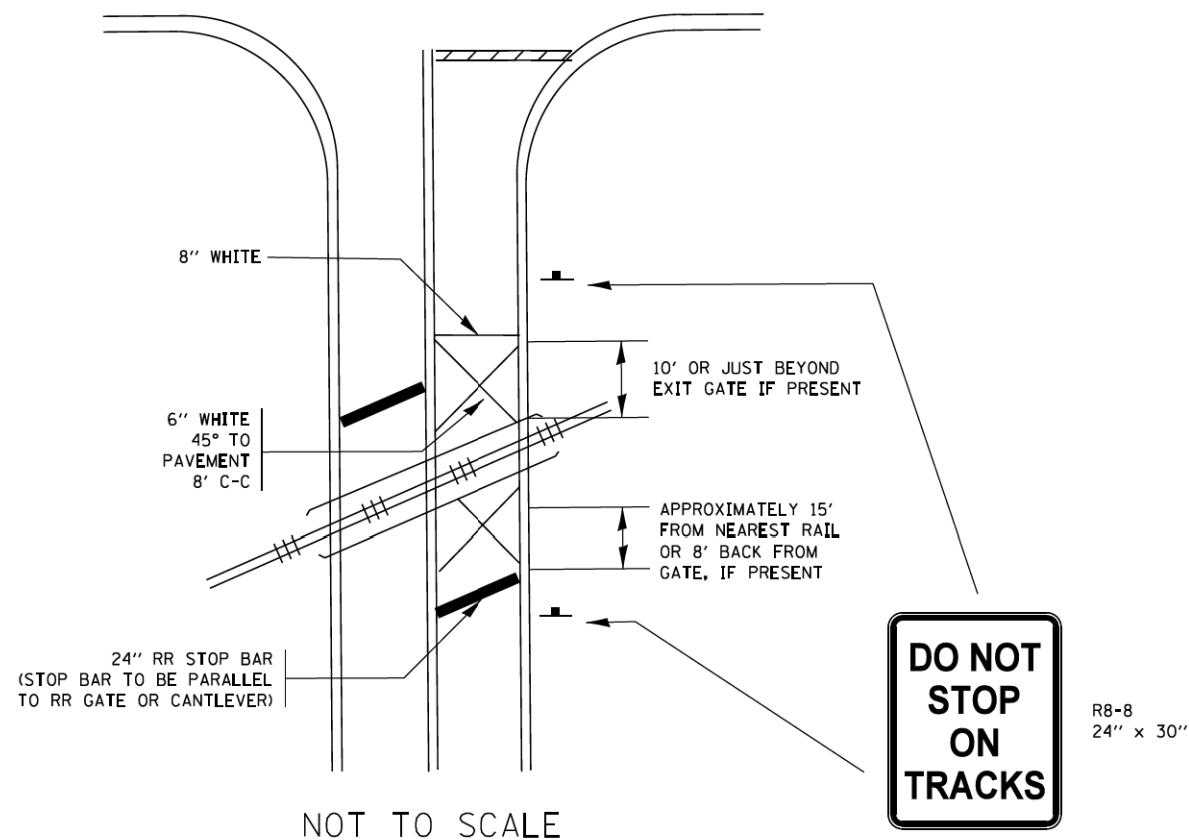
USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

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

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - 02-25-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBID\INTEG\11nois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CD\11084EBID\CAD\02\cadsheets\c23.dgn	DRAWN	REVISOR	REVISED - 04-26-12			2549	09-00174-05-CH	LAKE	423	324
PLOT SCALE = 5/8" = 1' / 1/4"	CHECKED -	REVISOR	REVISED - A.R. 07-11-16			TC-23		CONTRACT NO. 61D65		
Default	DATE -	REVISED -				ILLINOIS/FED. AID PROJECT				

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

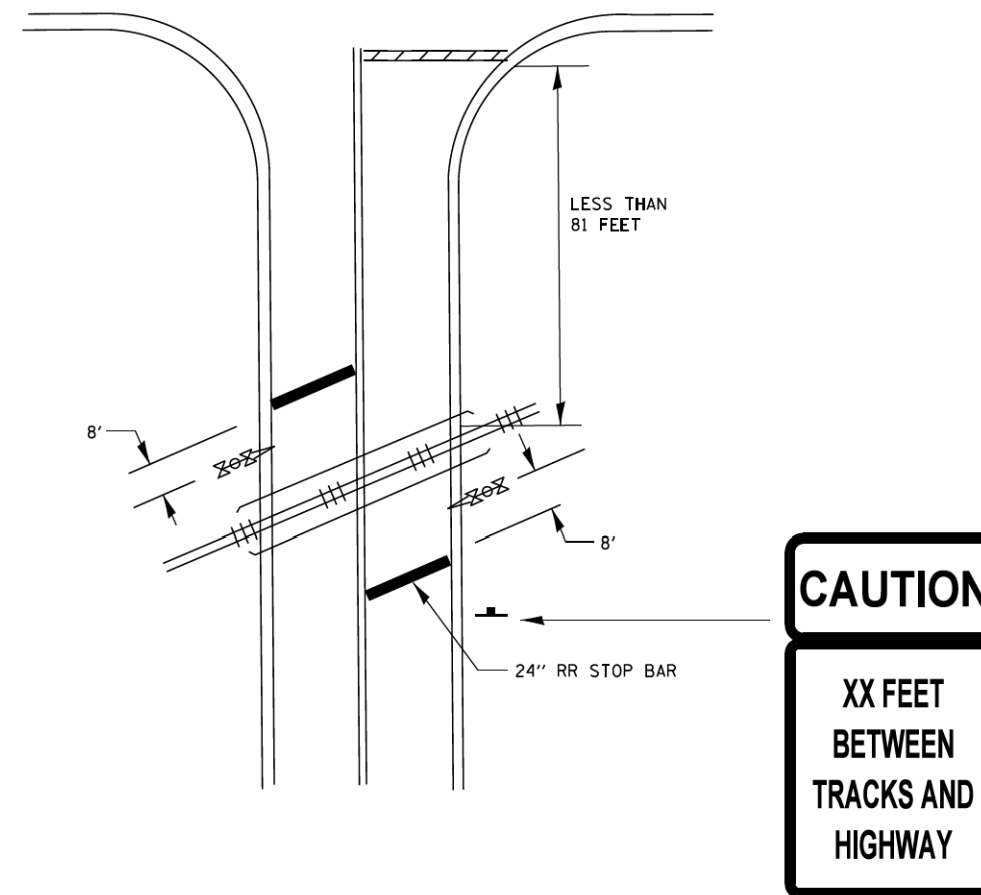
WITH SIGNALIZED INTERSECTION



NOTE:

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL

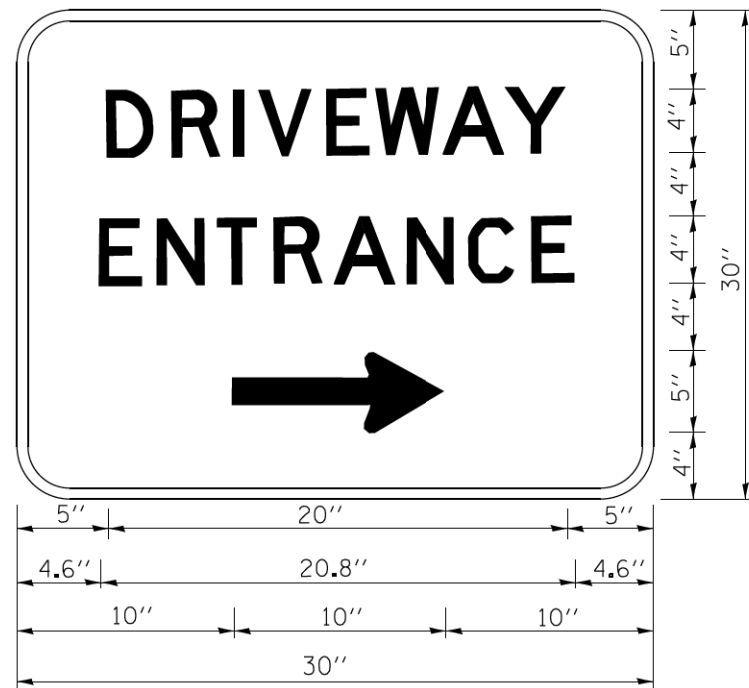


NOTE:

1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

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

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - 02-25-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084E8D\INTEG\11nois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWING\CADDeta\CADsheets\c23.dgn	DRAWN	REVISOR	REVISOR			2549	09-00174-05-CH	LAKE	423	325
Default	PLOT SCALE = 50.000' / 1" =	CHECKED -	REVISOR - A.R. 07-11-16			TC-23		CONTRACT NO. 61D65		ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/3/2017	DATE -	REVISOR -	SCALE: NONE		SHEET 2 OF 2 SHEETS		STA. TO STA.		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = geglienobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
cc:\pw\work\p\dot\geglienobt\d0108315\to26.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.000 ' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

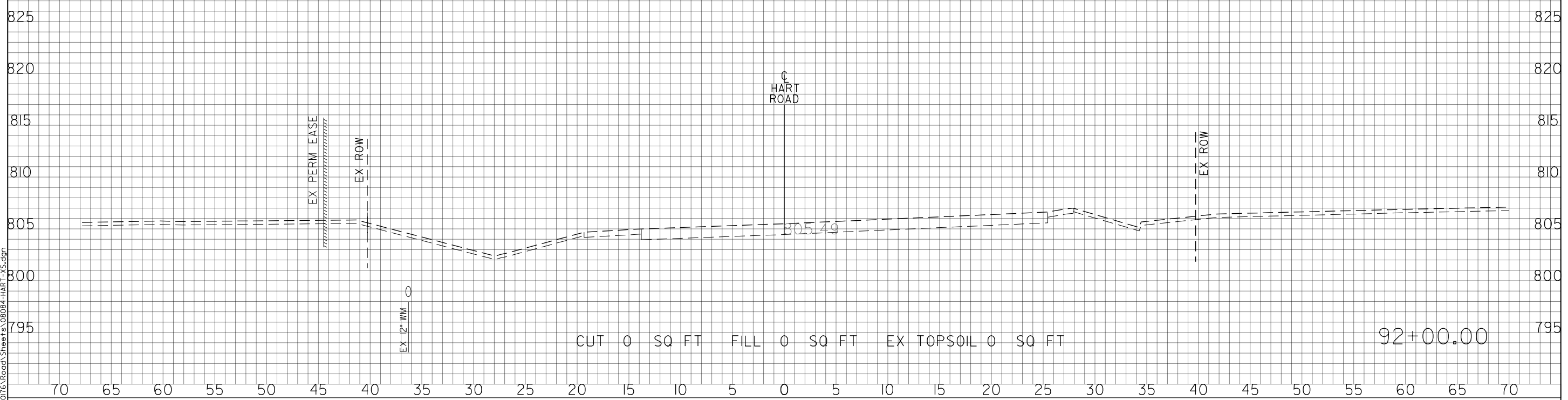
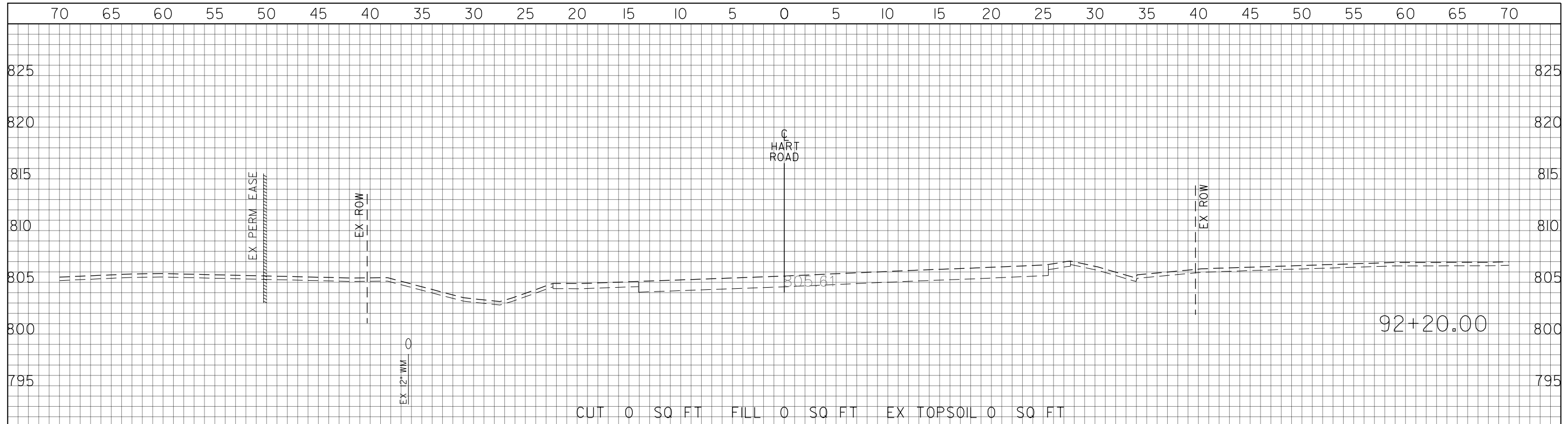
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	326
TC-26			CONTRACT NO. 61D65	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HART ROAD CROSS SECTIONS

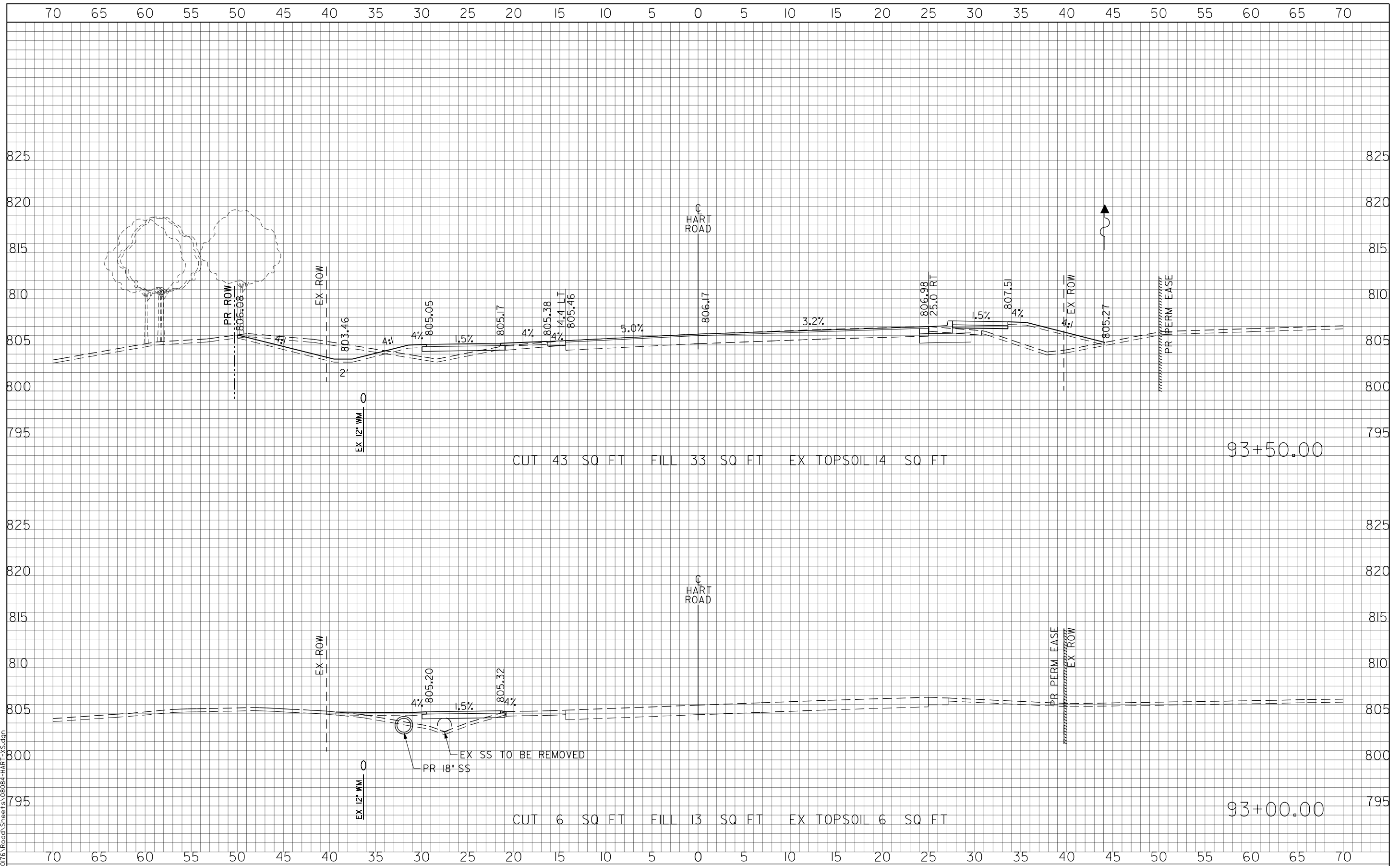
SCALE: H: 1/2" = 10' V: 1/8" = 10' SHEET 1 OF 51 SHEETS STA. 92+00.00 TO STA. 92+20.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	327
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

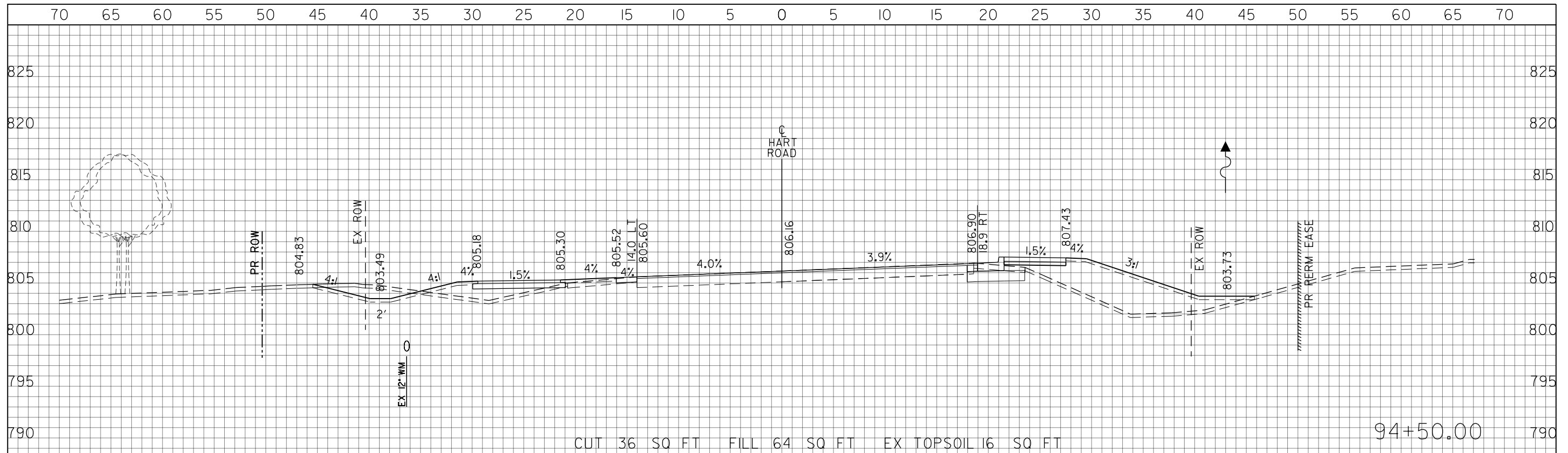
SCALE: H: 1/20 V: 1/10 SHEET 2 OF 51 SHEETS STA. 93+00.00 TO STA. 93+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	328
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

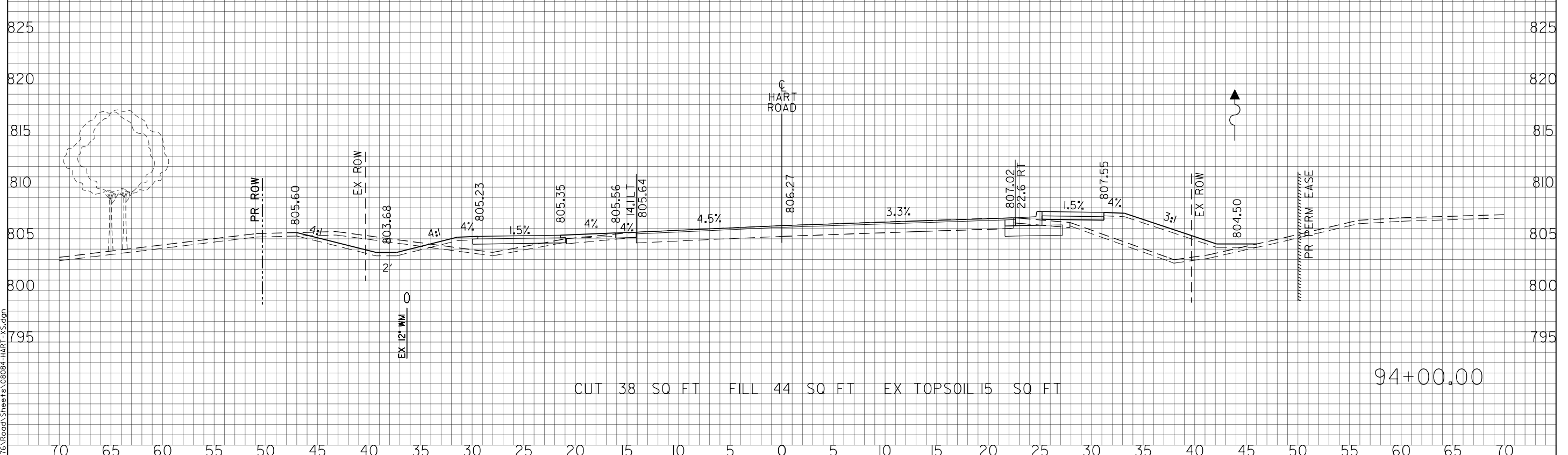
ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



CUT 36 SQ FT FILL 64 SQ FT EX TOPSOIL 16 SQ FT

94+50.00



CUT 38 SQ FT FILL 44 SQ FT EX TOPSOIL 15 SQ FT

94+00.00



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

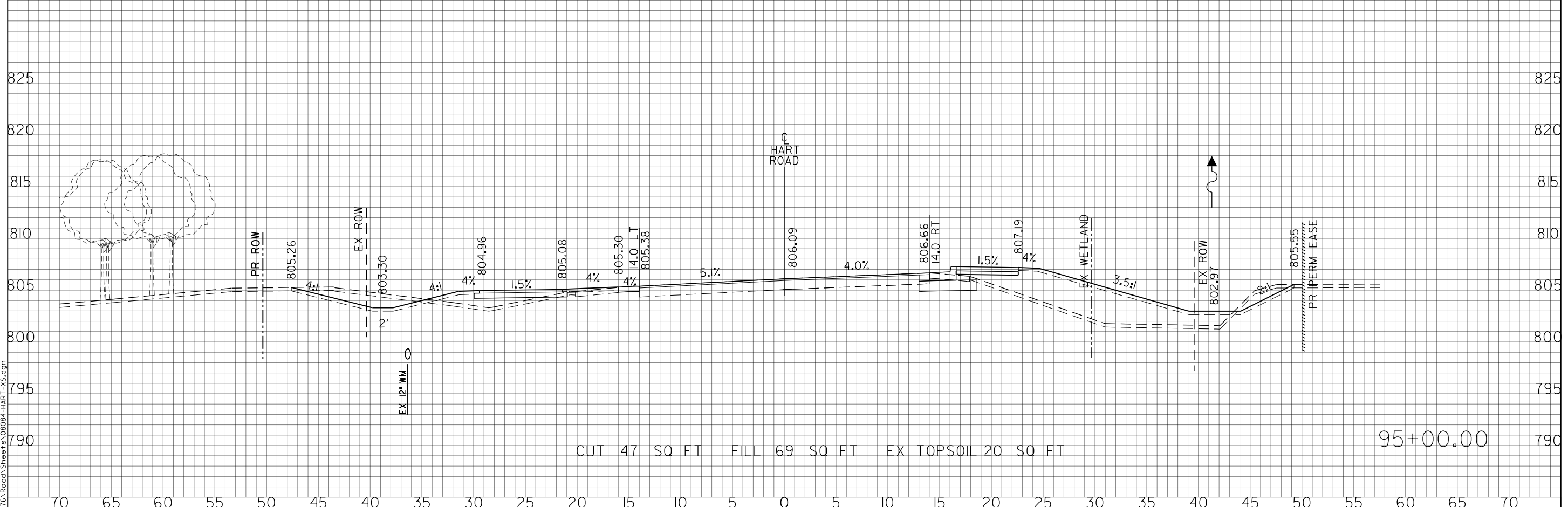
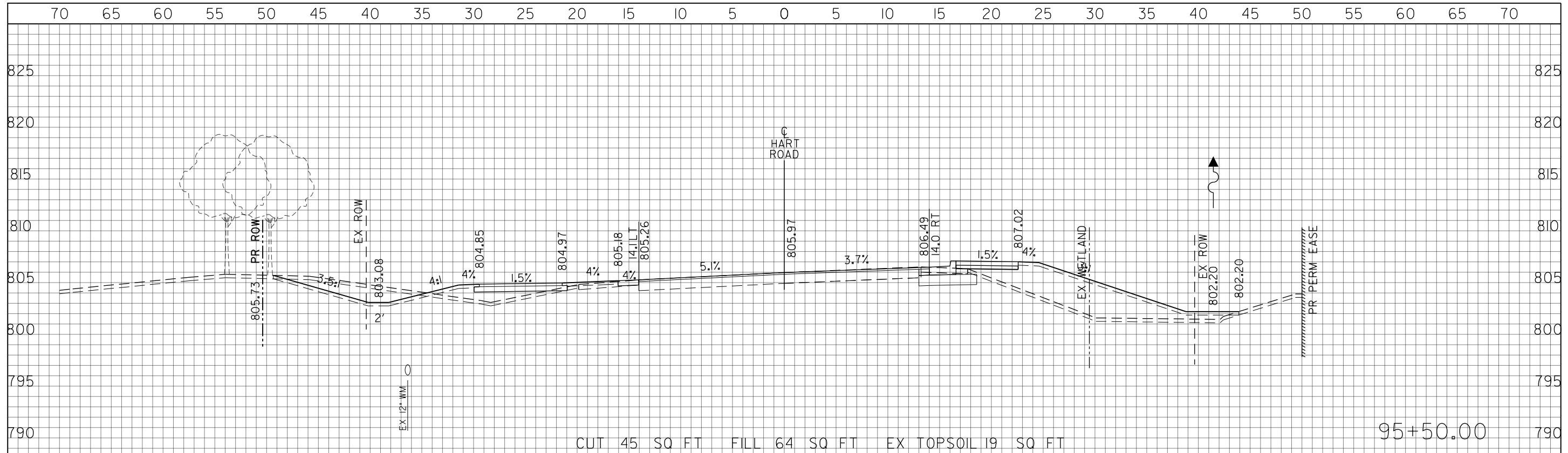
SCALE: H: 1/20 V: 1/10 SHEET 3 OF 51 SHEETS STA. 94+00.00 TO STA. 94+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 329
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

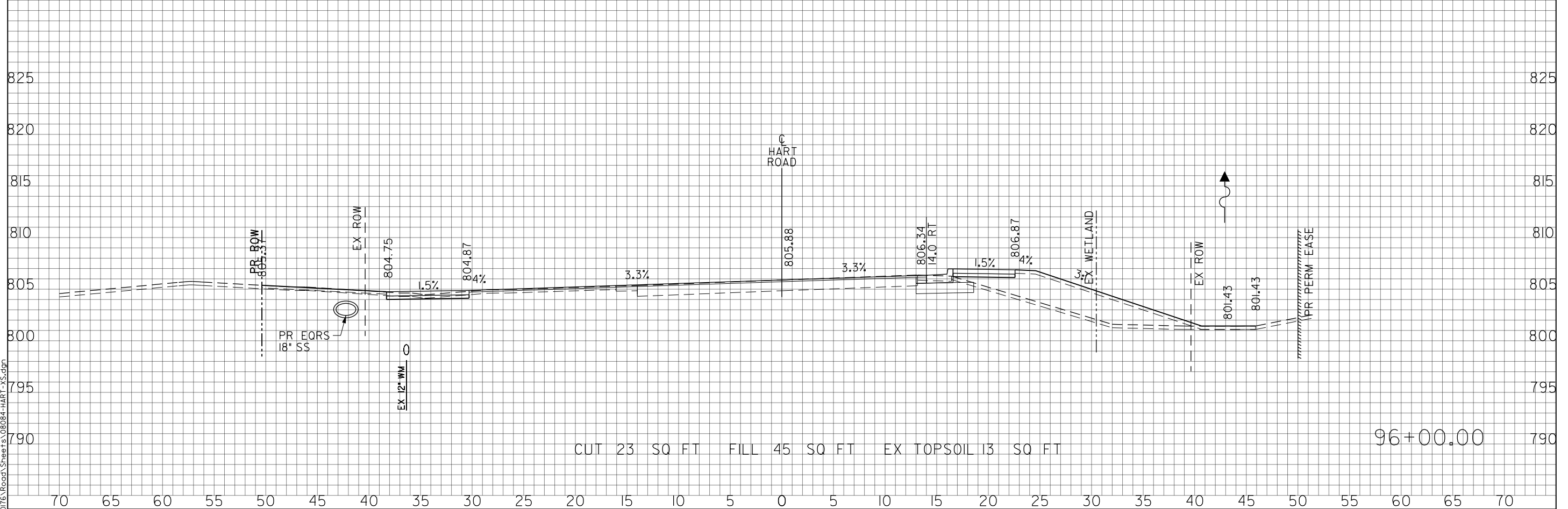
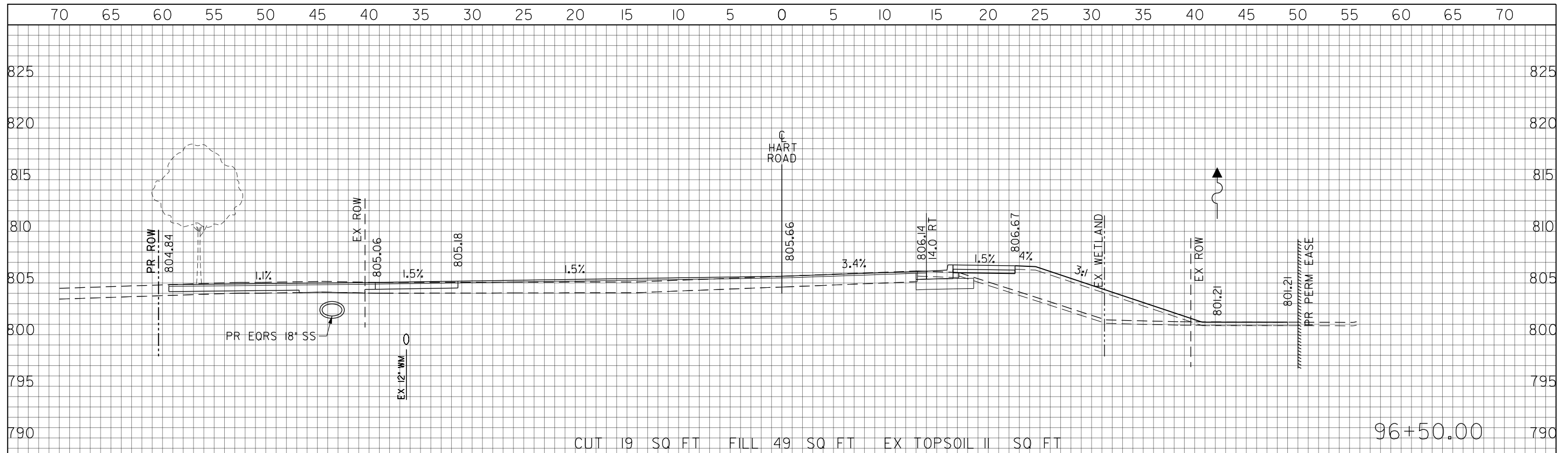
HART ROAD CROSS SECTIONS	
SCALE: H: 1/2" = 10'	V: 1/4" = 10'
SHEET 4 OF 51 SHEETS	STA. 95+00.00 TO STA. 95+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 330
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



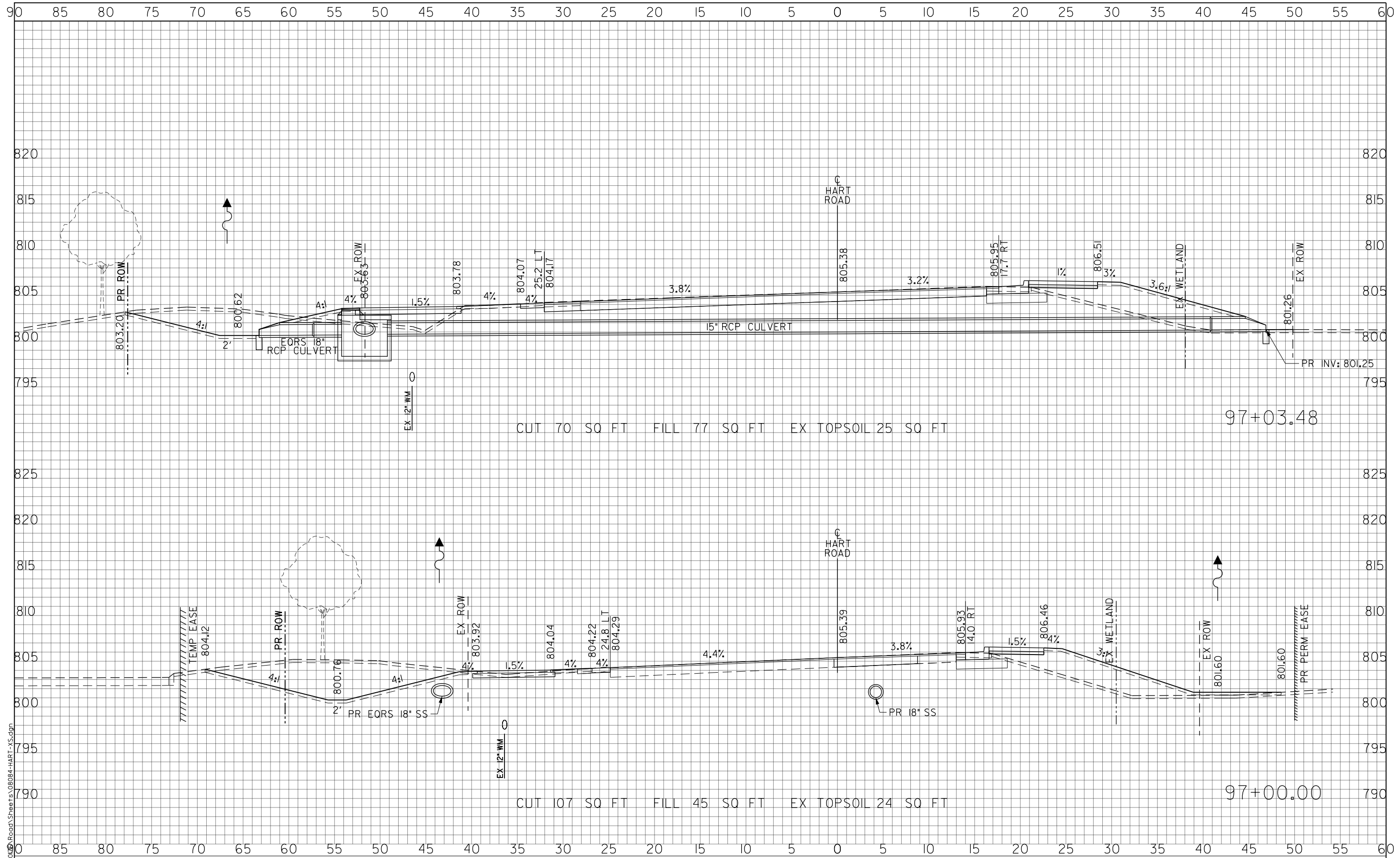
USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HART ROAD CROSS SECTIONS

SCALE: H: V: 1/20 1/10 SHEET 5 OF 51 SHEETS STA. 96+00.00 TO STA. 96+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	331
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	



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

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

FILE NAME: G:\CH09\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: 1/20
V: 1/10

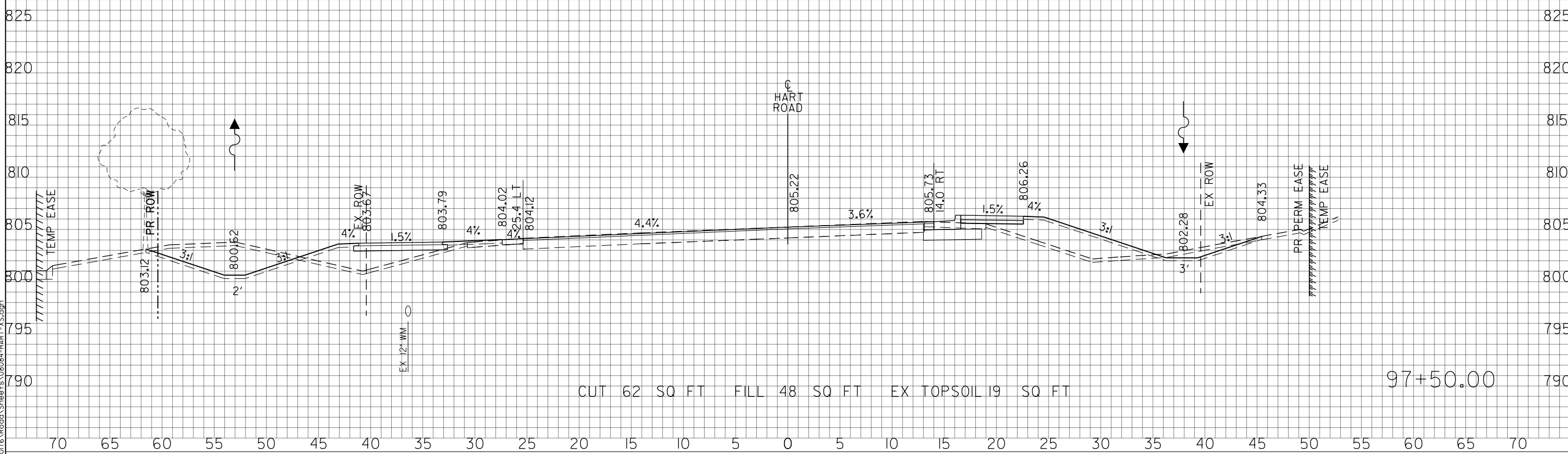
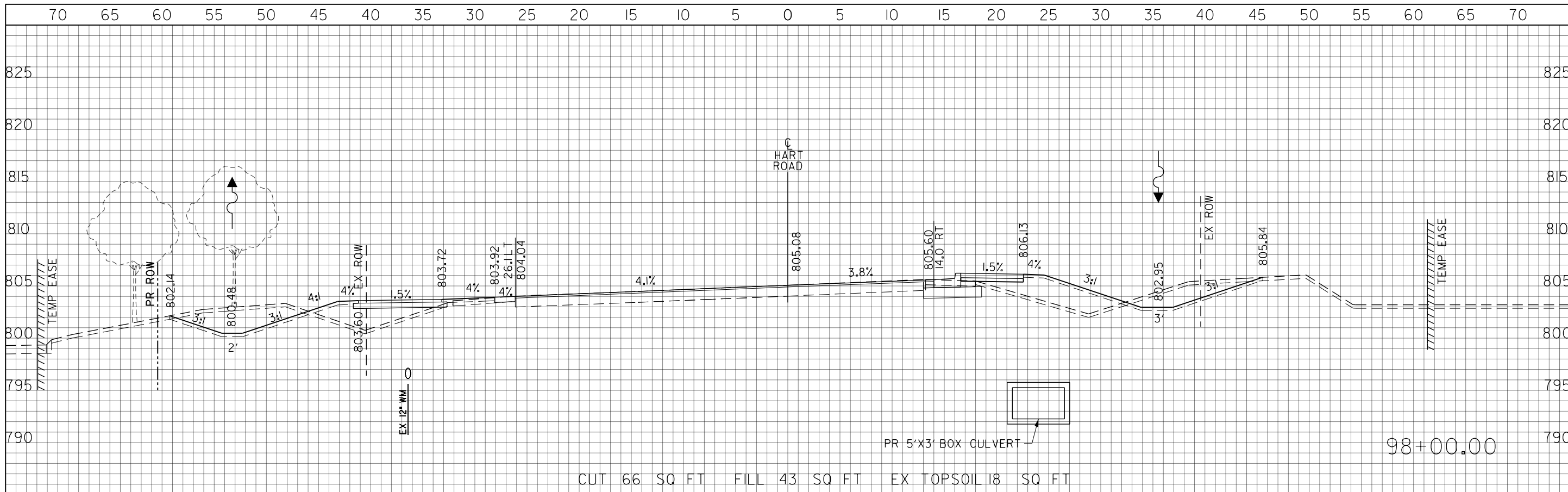
SHEET 6 OF 51 SHEETS STA. 97+00.00 TO STA. 97+03.48

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	332
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HART ROAD CROSS SECTIONS

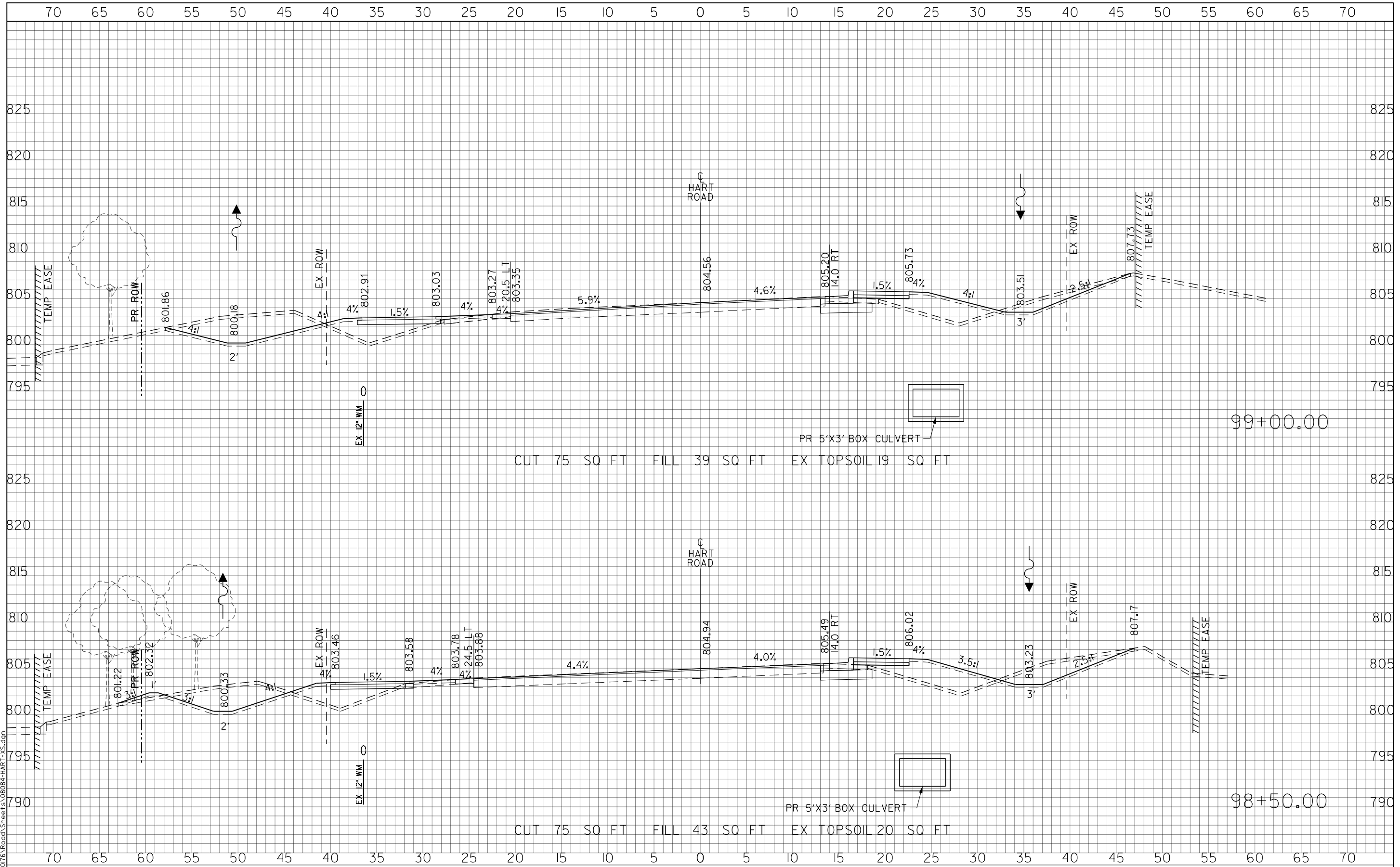
SCALE: H: V: 1:20 1:10 SHEET 7 OF 51 SHEETS STA. 97+50.00 TO STA. 98+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 333
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

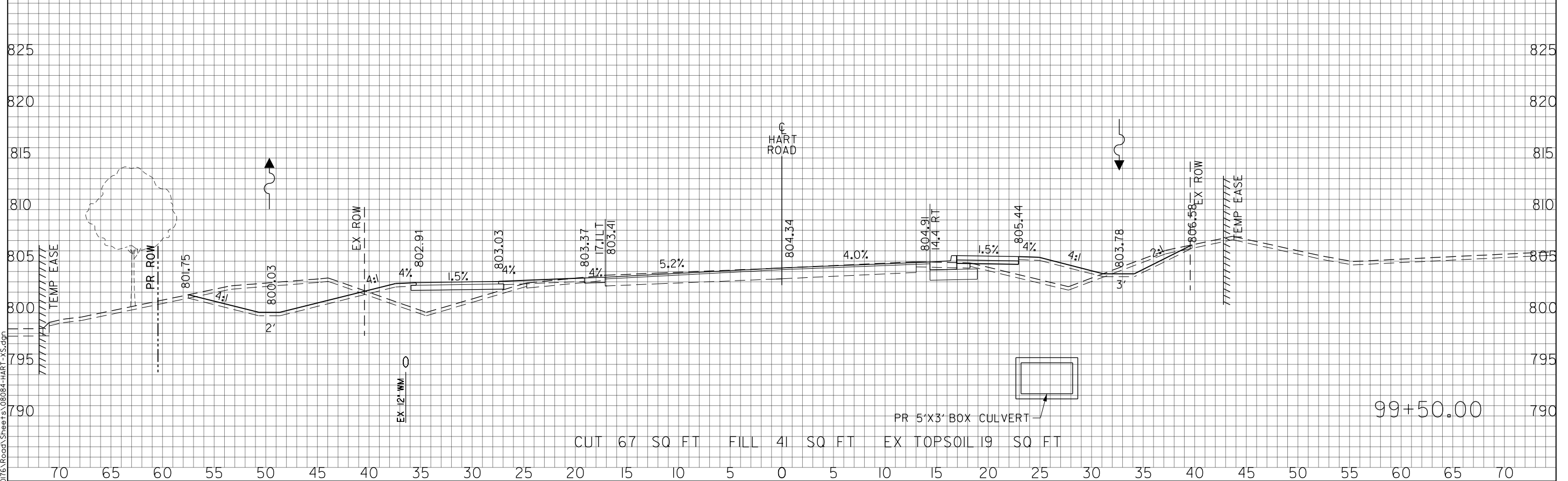
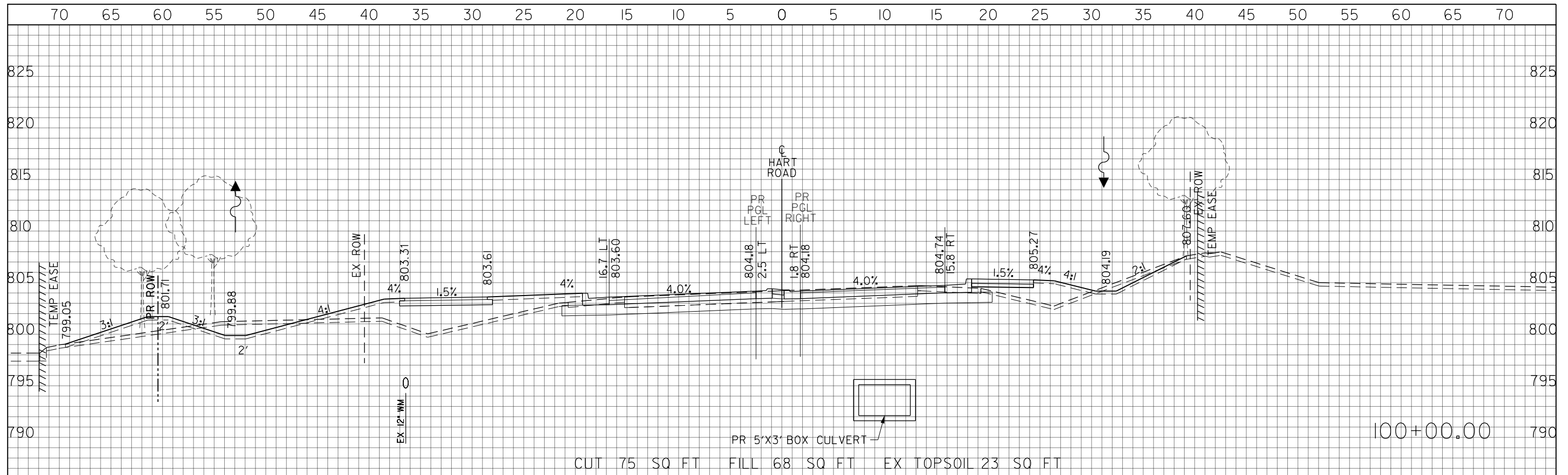
HART ROAD CROSS SECTIONS	
SCALE: H: 1/2" = 10'	V: 1/4" = 10'
SHEET 8 OF 51 SHEETS	STA. 98+50.00 TO STA. 99+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 334
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
TEMPERATURE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
TEMPERATURE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HART ROAD CROSS SECTIONS

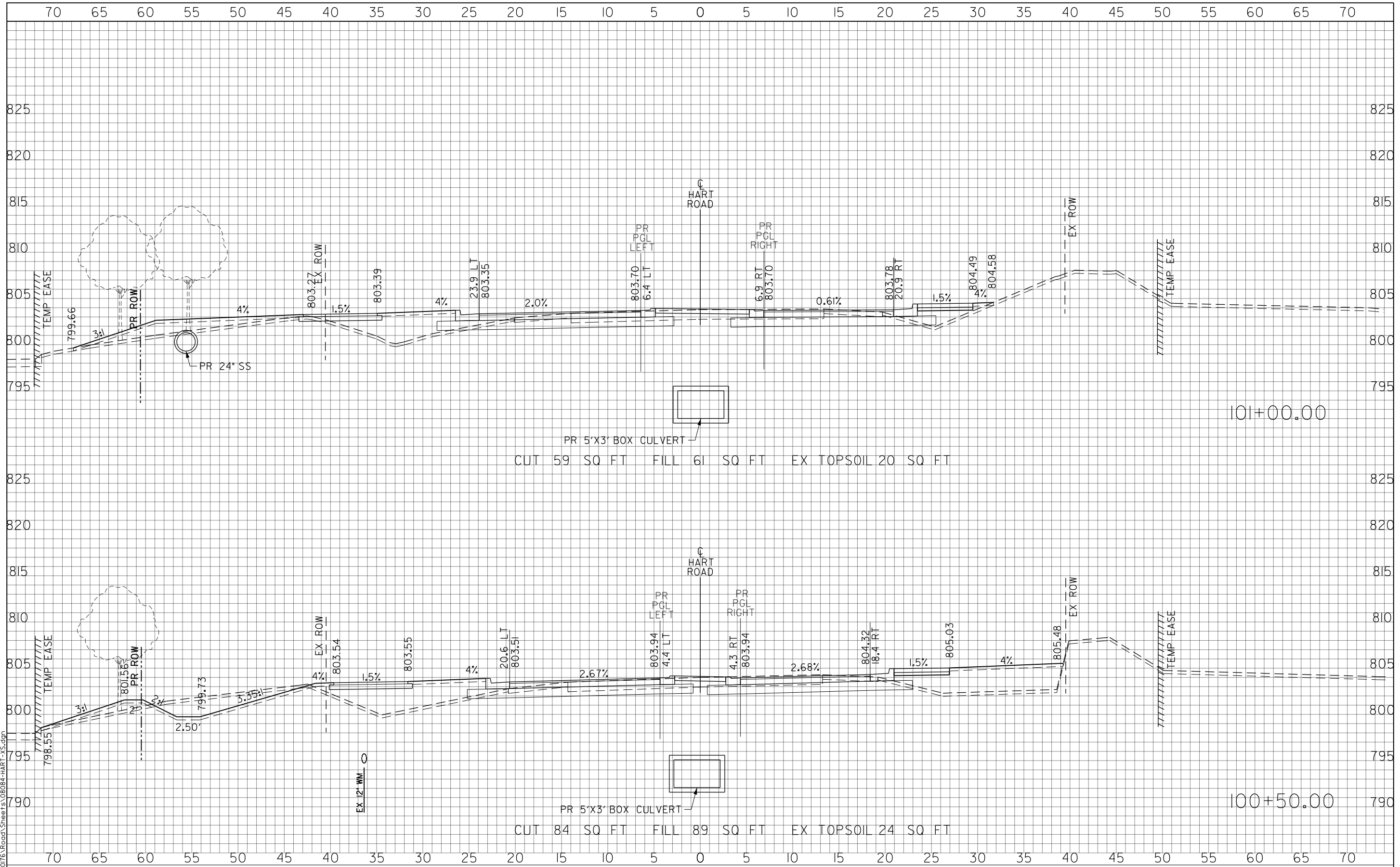
SCALE: H: V: 20: 10
SHEET 9 OF 51 SHEETS STA. 99+50.00 TO STA. 100+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 335
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

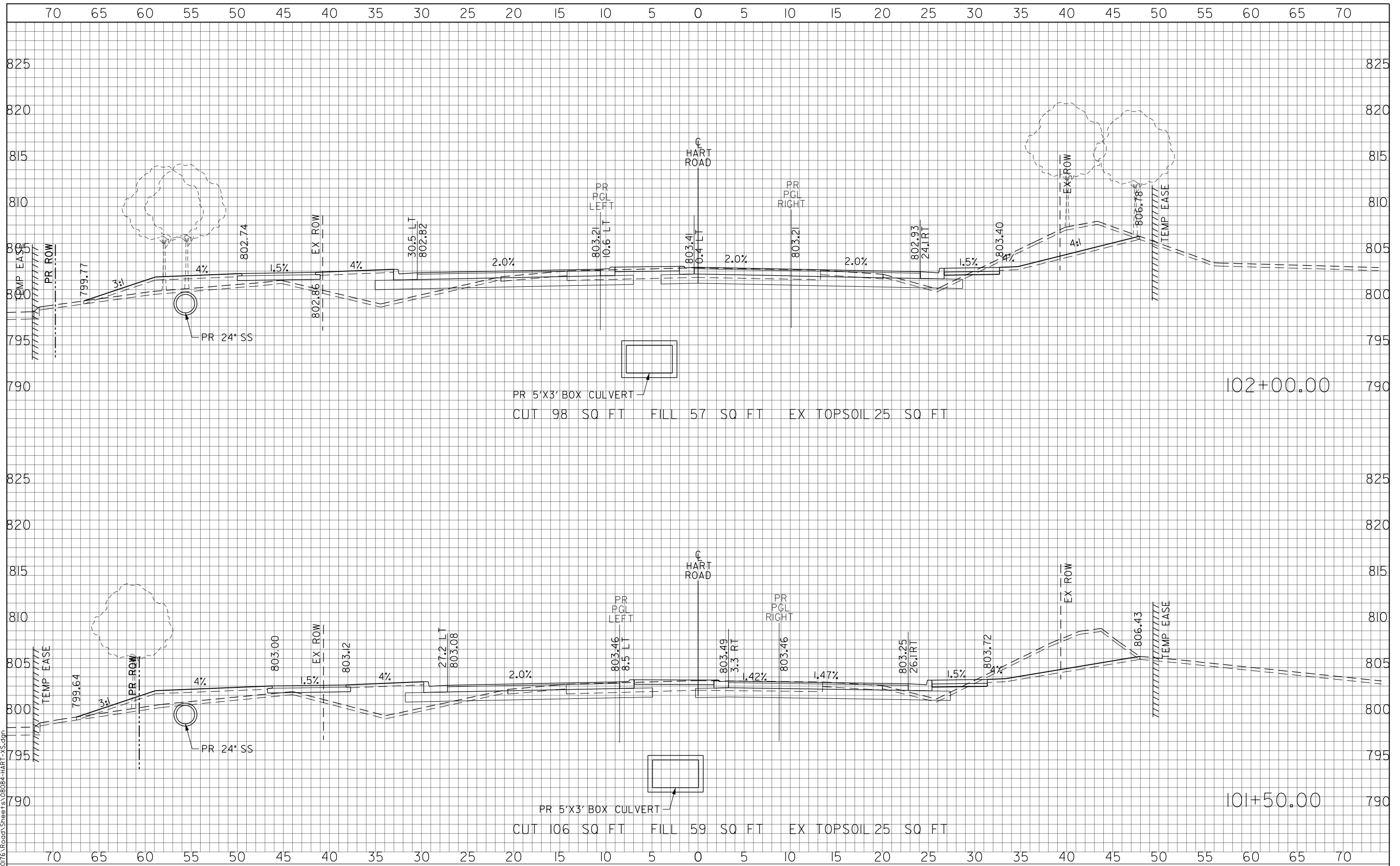
SCALE: H: 1/20 V: 1/10 SHEET 10 OF 51 SHEETS STA. 100+50.00 TO STA. 101+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	336
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

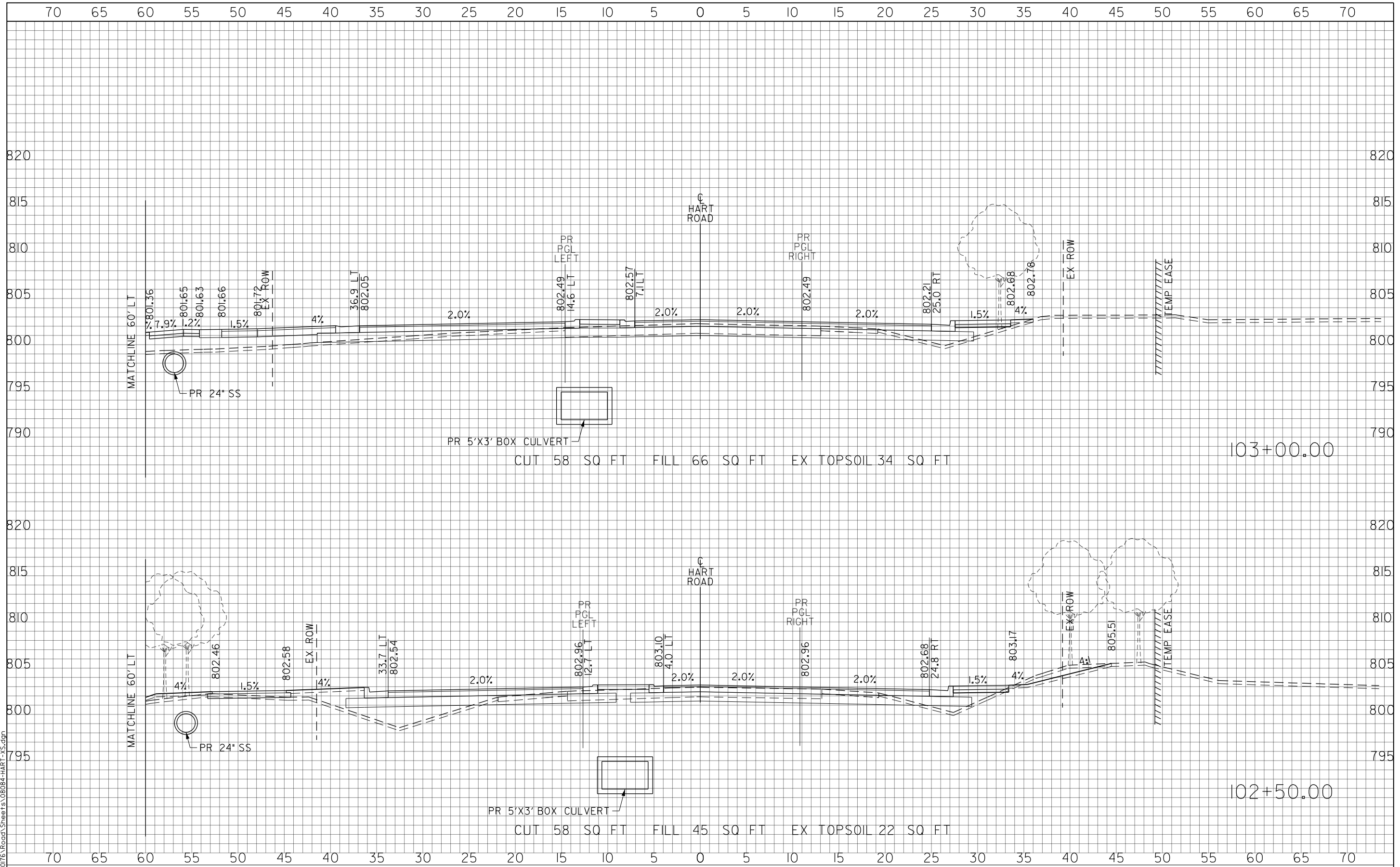
SCALE: H: V: 20: 10
 SHEET II OF 51 SHEETS STA. 101+50.00 TO STA. 102+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 337
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheet\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

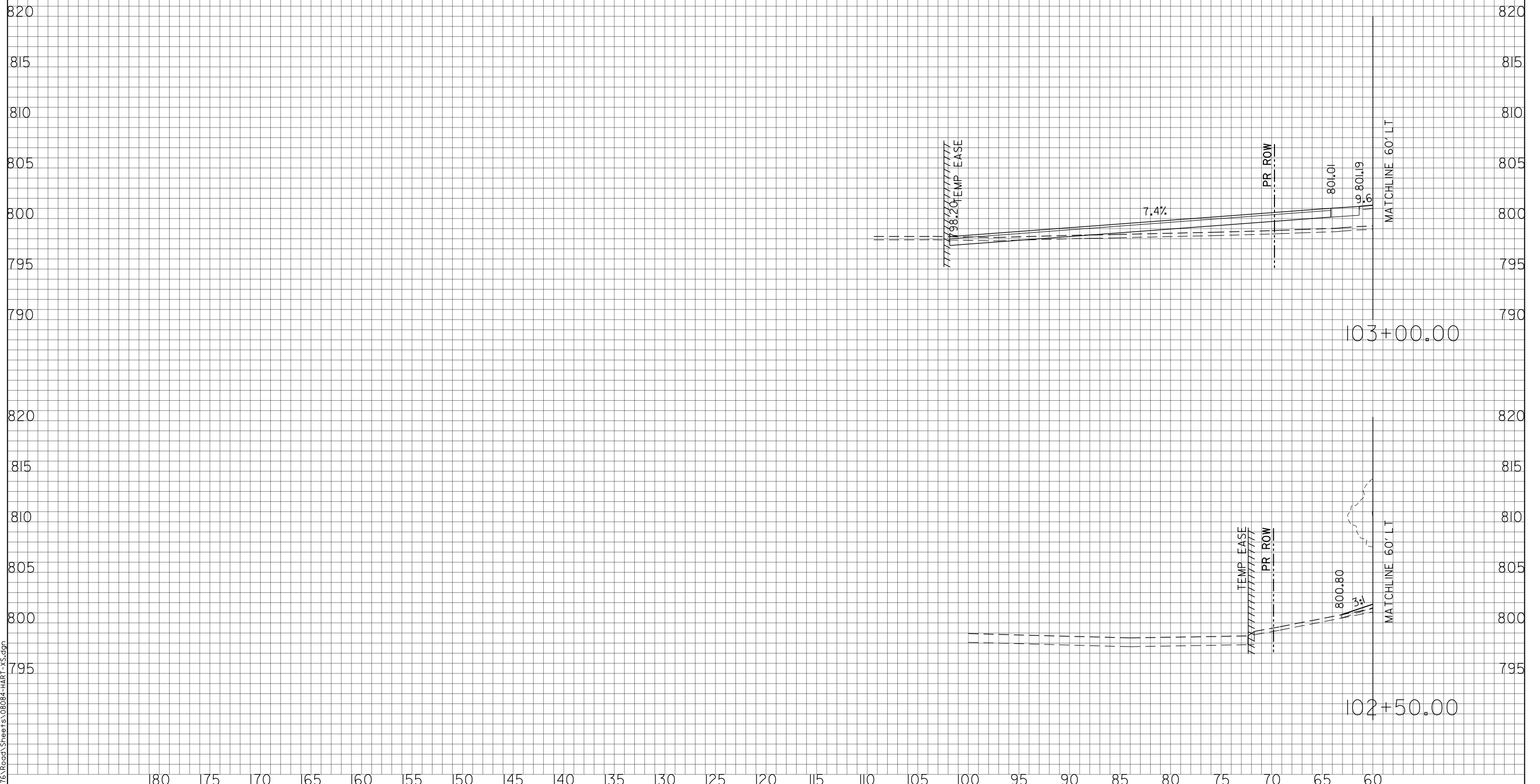
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: V: 20: 10
SHEET 12 OF 51 SHEETS STA. 102+50.00 TO STA. 103+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 338
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60



180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60

FINAL SURVEY NO.	SURVEYED BY	DATE
NOTE BOOK NO.	TEMPERATURE	
AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED BY	DATE
NOTE BOOK NO.	TEMPERATURE	
AREAS CHECKED		

FILE NAME: G:\CH09\0176\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

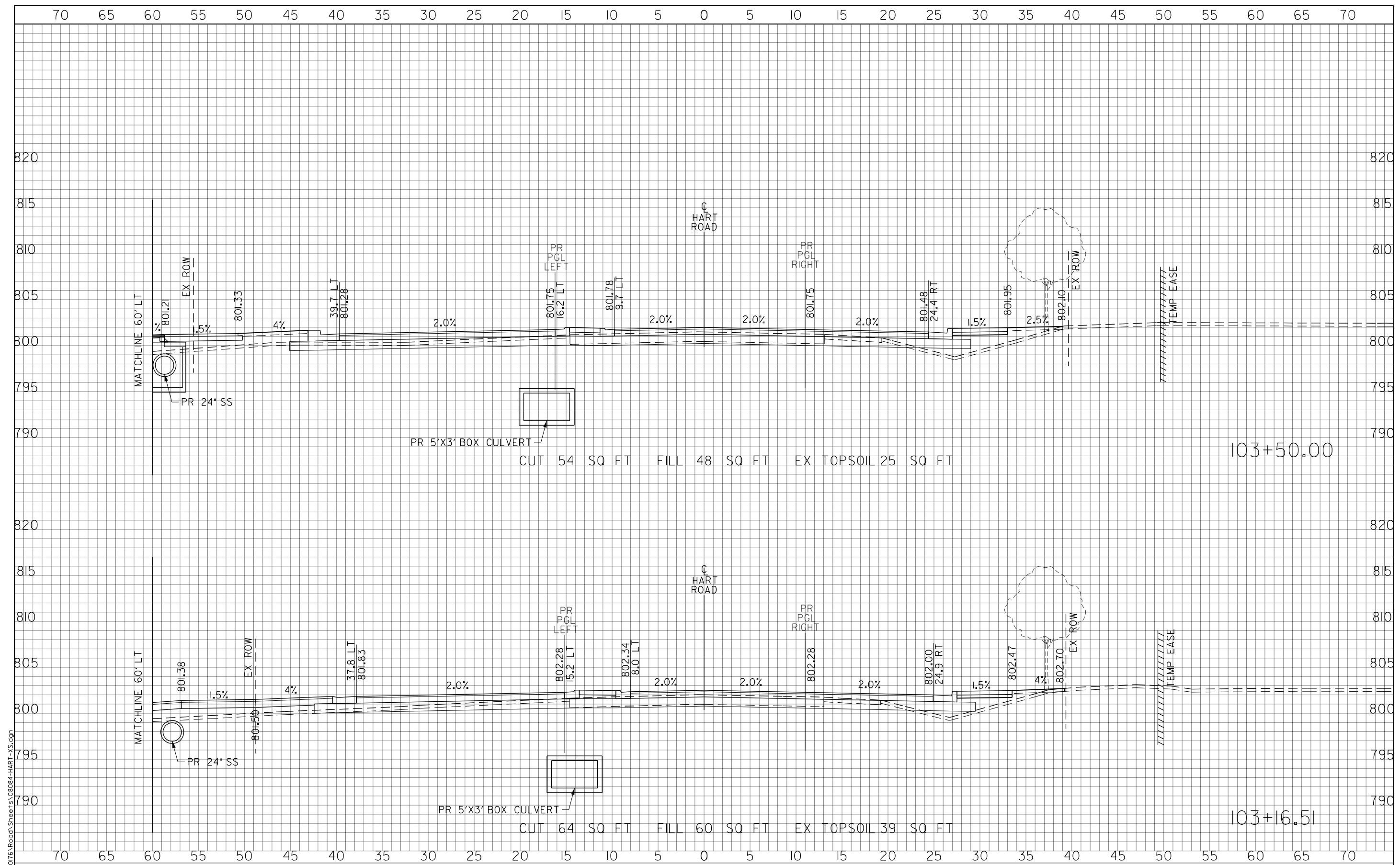
HART ROAD CROSS SECTIONS

SCALE: H: 1/2" = 10' V: 1/8" = 10'
SHEET 13 OF 51 SHEETS STA. 102+50.00 TO STA. 103+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 339
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME: G:\CH09\016\Road\Sheet\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

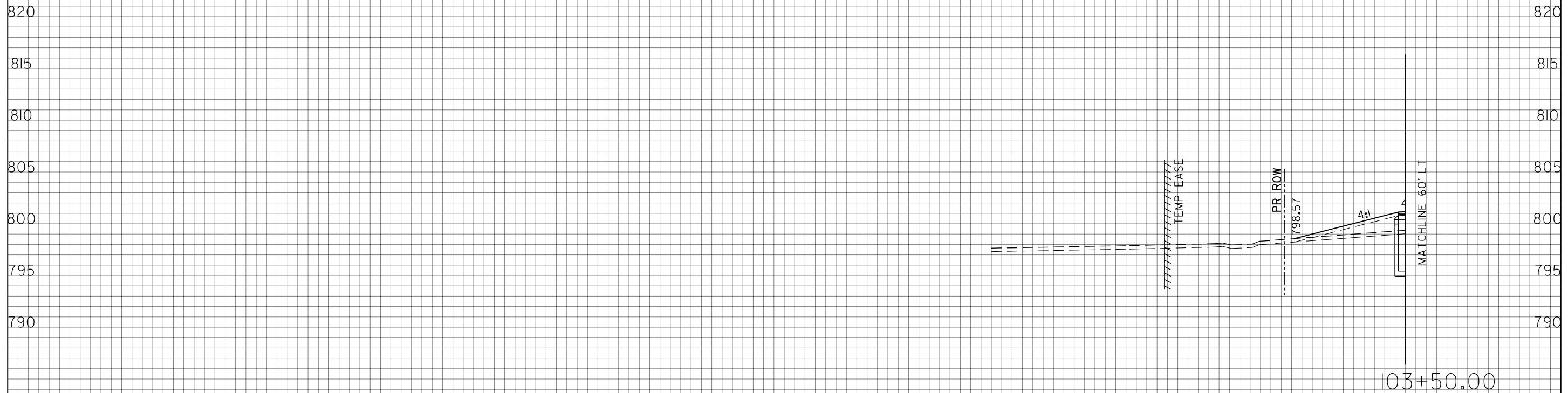
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: V: 1:20 1:10 SHEET 14 OF 51 SHEETS STA. 103+16.51 TO STA. 103+50.00

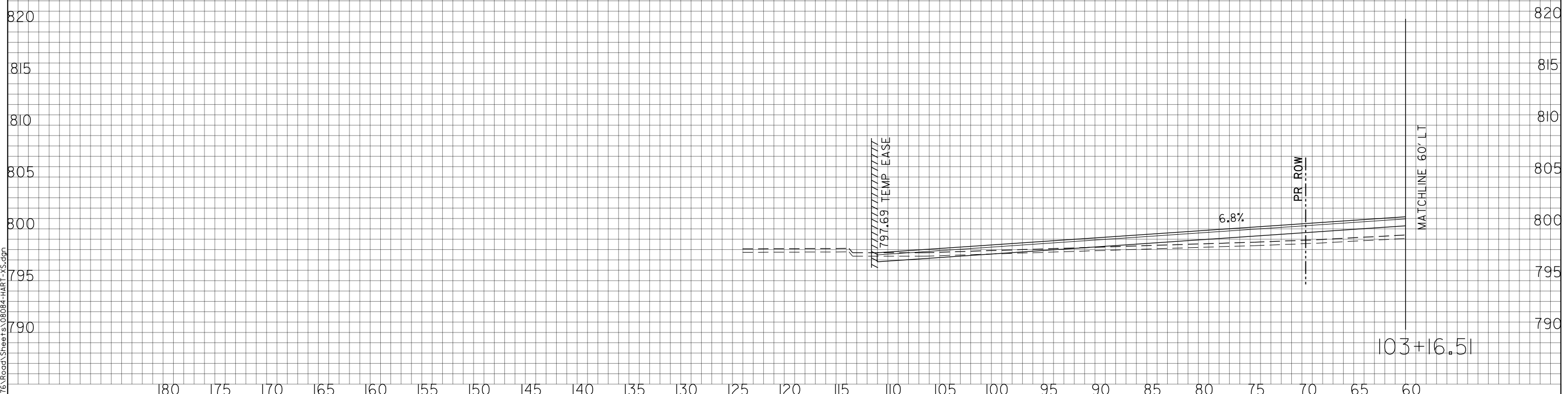
FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 340
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60



103+50.00

180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60



103+16.51

180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: 1/20
V: 1/10

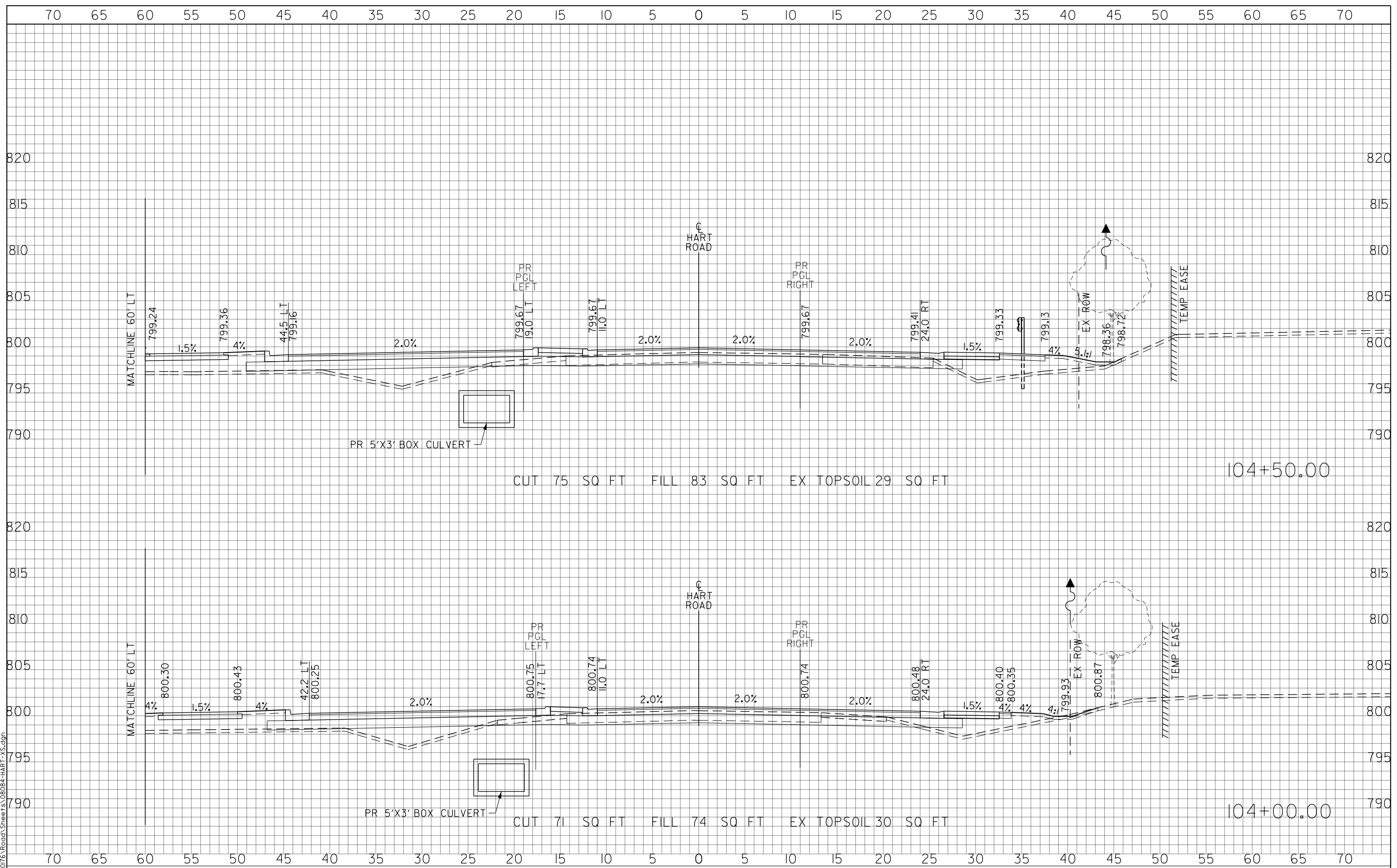
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	341
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

SHEET 15 OF 51 SHEETS STA. 103+16.51 TO STA. 103+50.00

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

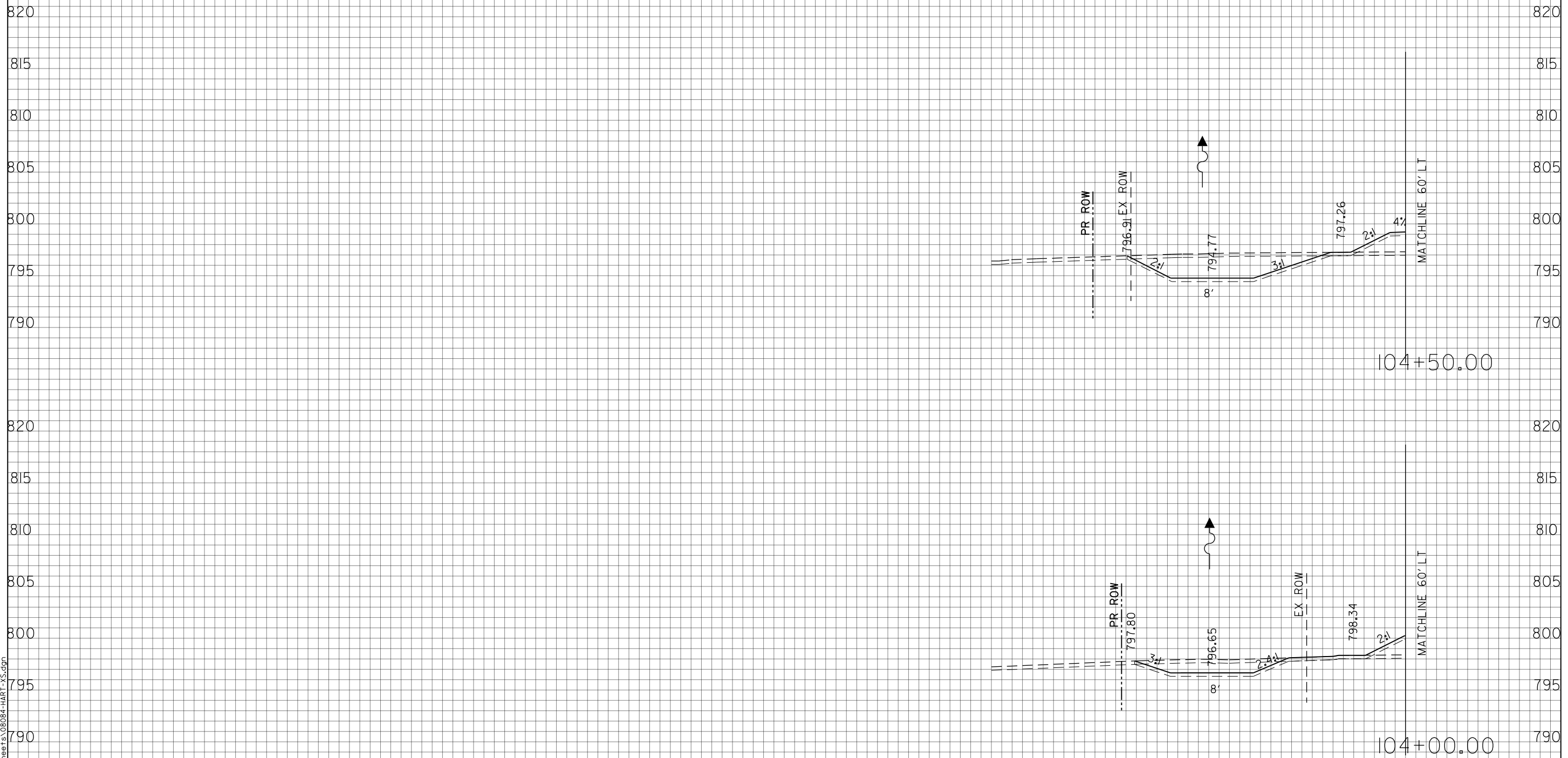
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: 1/20 V: 1/10 SHEET 16 OF 51 SHEETS STA. 104+00.00 TO STA. 104+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 342
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60



180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: 1/20
V: 1/10

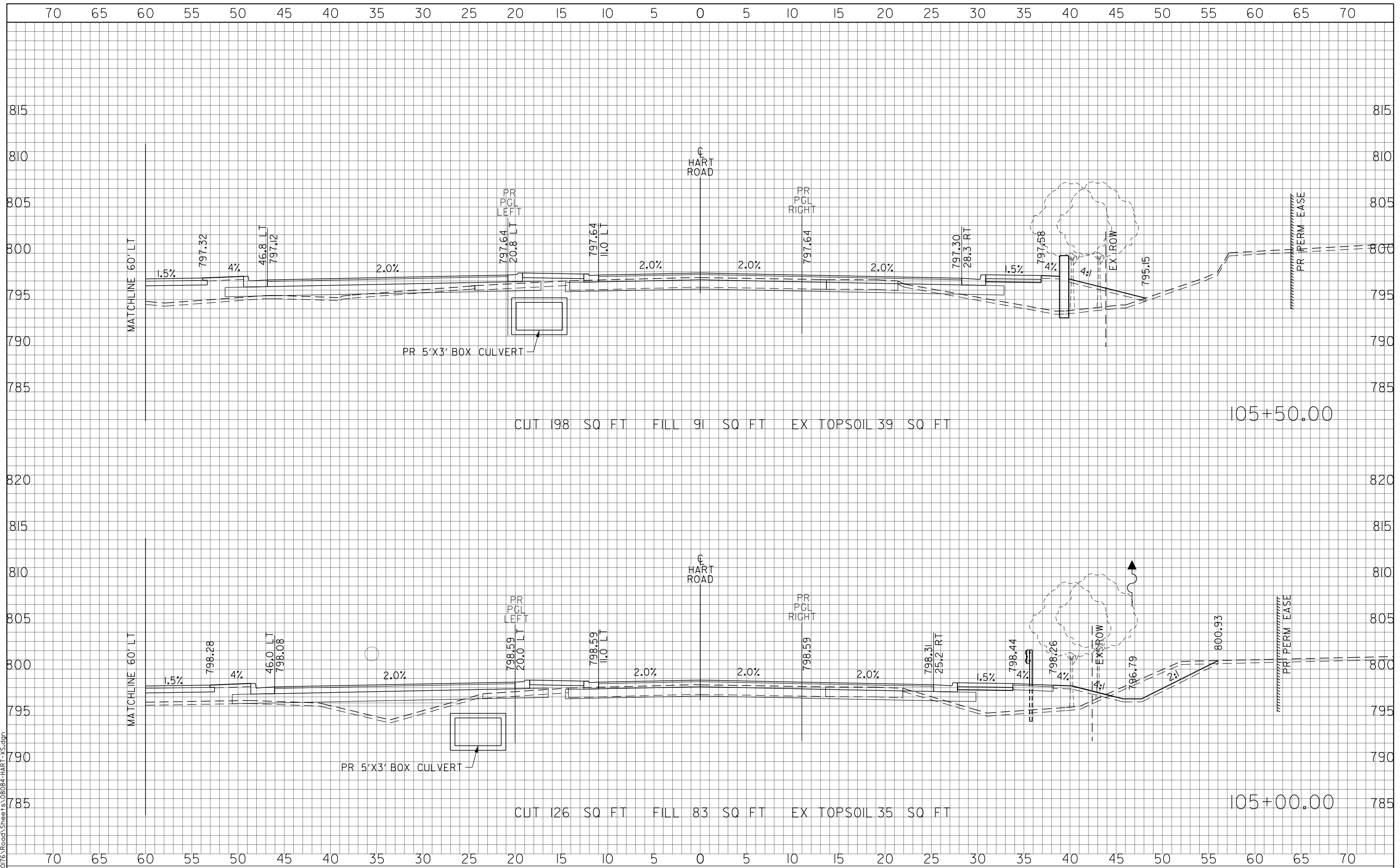
SHEET 17 OF 51 SHEETS STA. 104+00.00 TO STA. 104+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	343
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



CUT 198 SQ FT FILL 91 SQ FT EX TOPSOIL 39 SQ FT

105+50.00

CUT 126 SQ FT FILL 83 SQ FT EX TOPSOIL 35 SQ FT

105+00.00



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

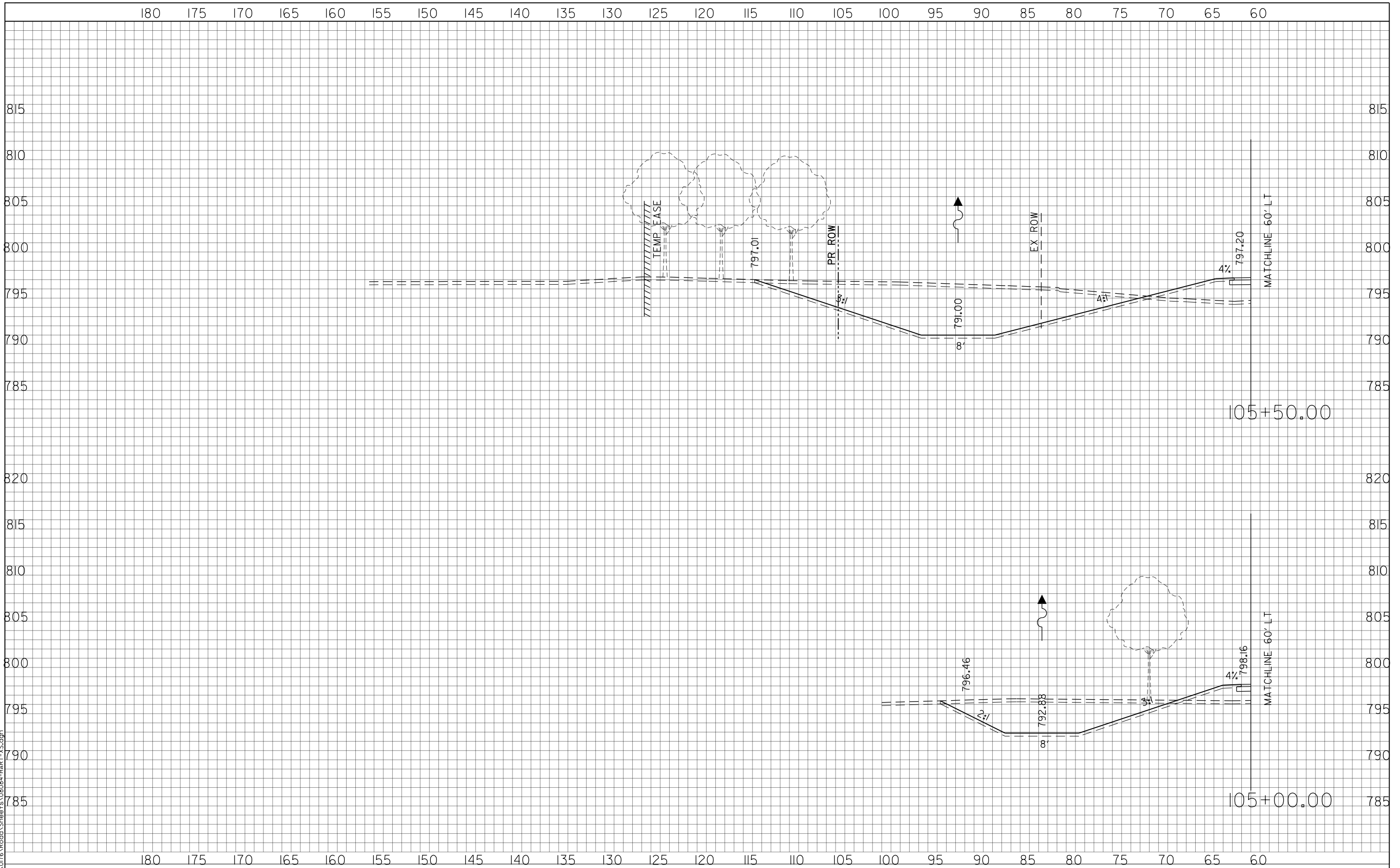
SCALE: H: 1/20 V: 1/10 SHEET 18 OF 51 SHEETS STA. 105+00.00 TO STA. 105+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 344
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

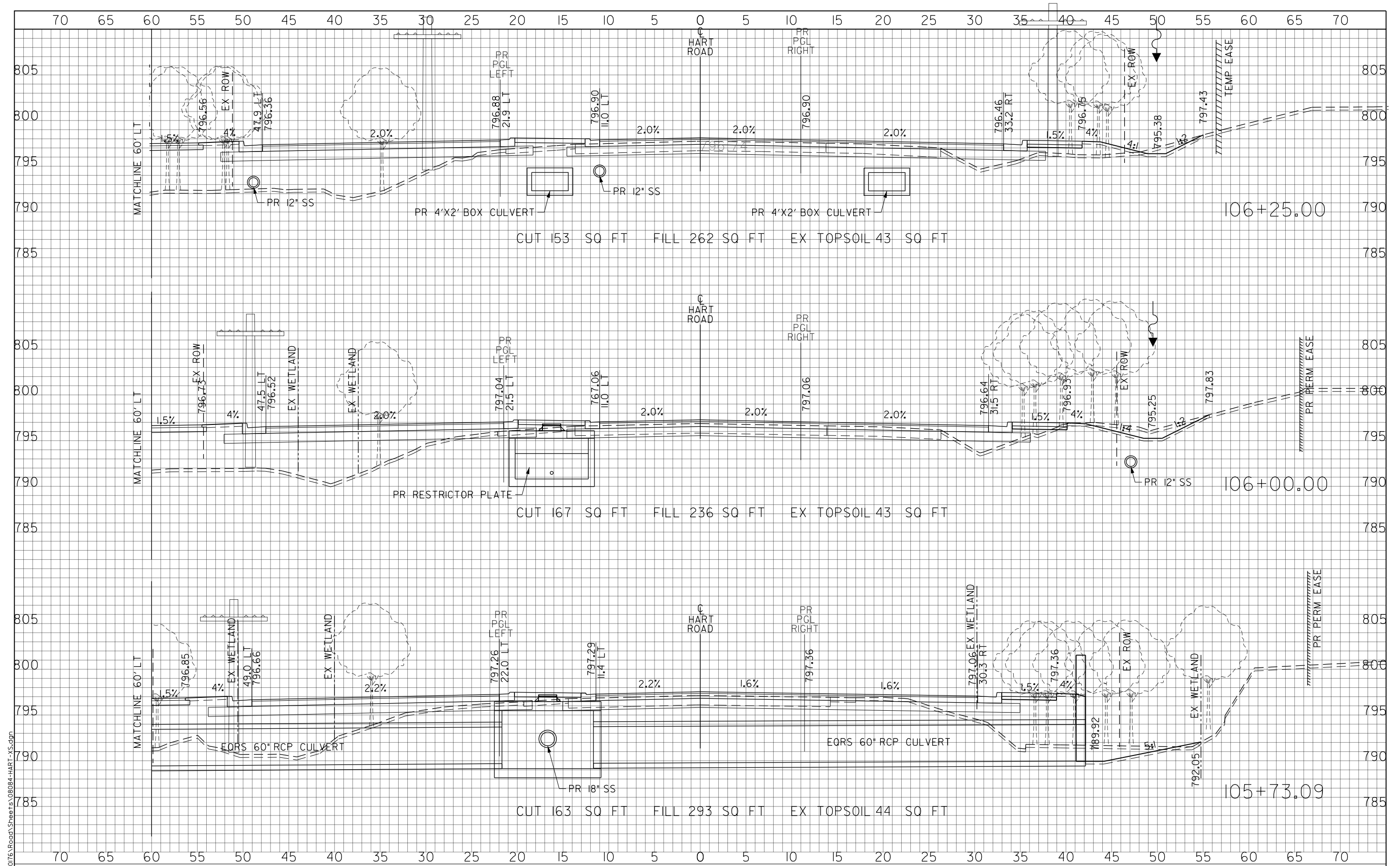
HART ROAD CROSS SECTIONS

SCALE: H: 1/20 V: 1/10 SHEET 19 OF 51 SHEETS STA. 105+00.00 TO STA. 105+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 345
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

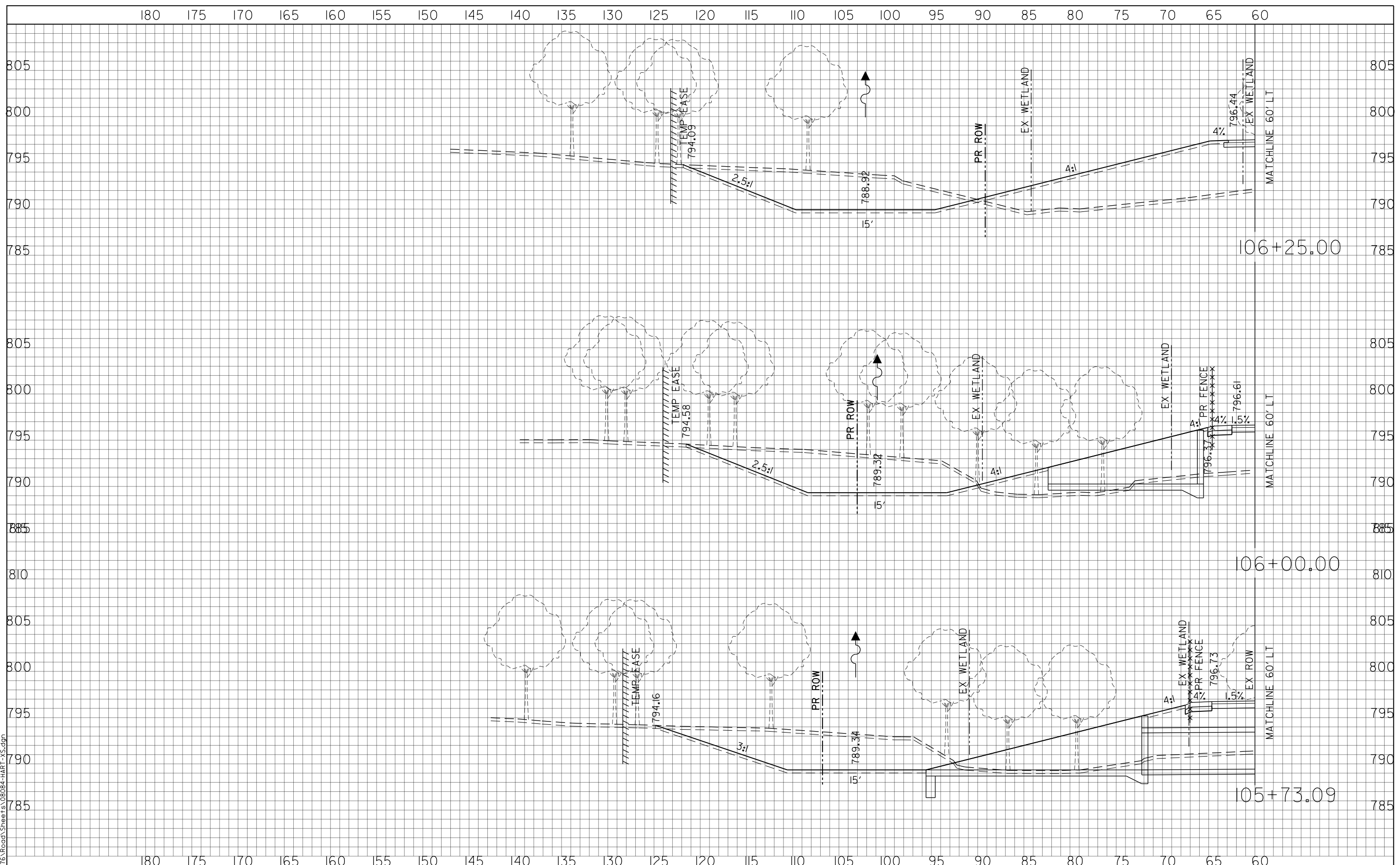
SCALE: H: V: 1:20 1:10
SHEET 20 OF 51 SHEETS STA. 105+73.09 TO STA. 106+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 346
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

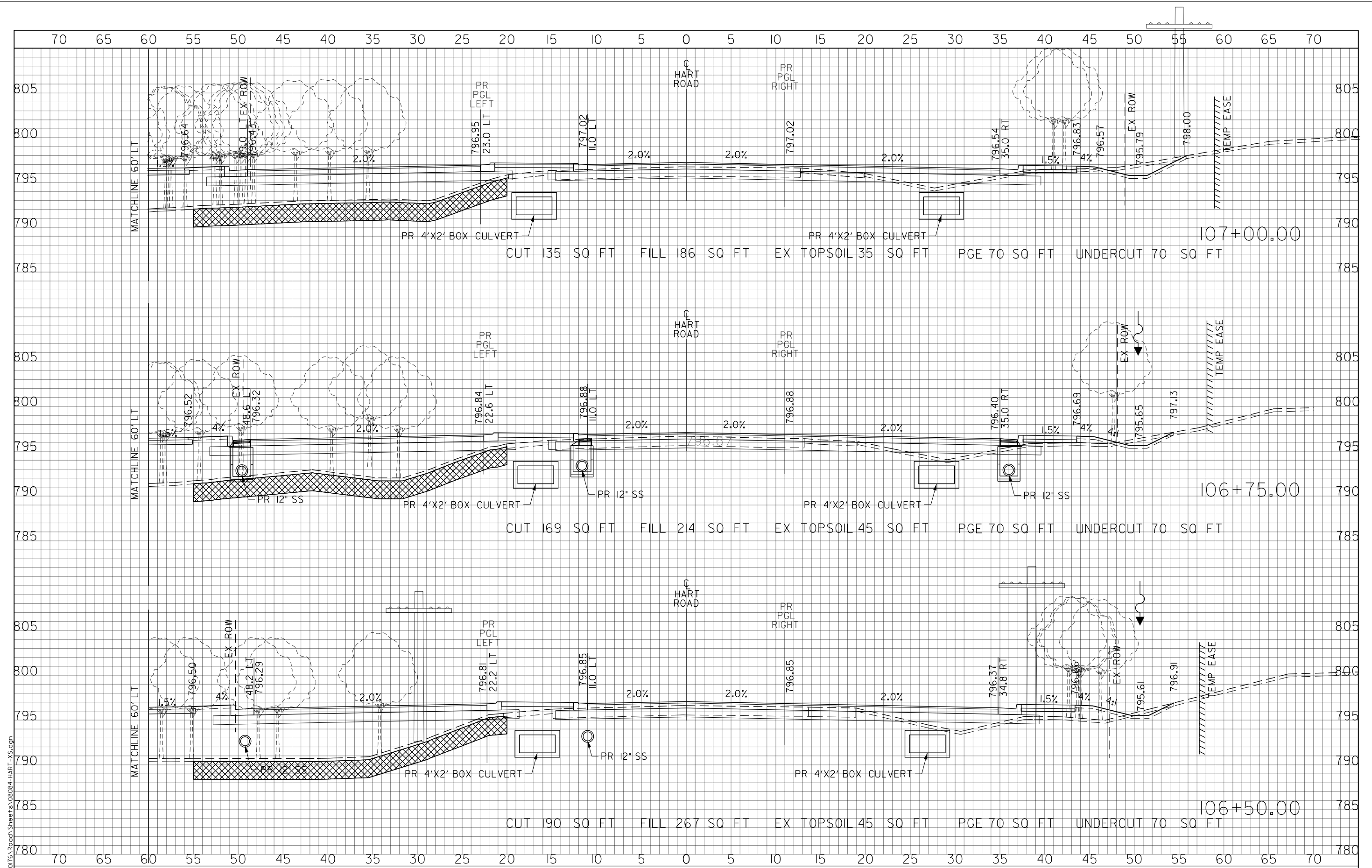
HART ROAD CROSS SECTIONS

SCALE: H: 1/20 V: 1/10 SHEET 21 OF 51 SHEETS STA. 105+73.09 TO STA. 106+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 347
		CONTRACT NO. 61D65		
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

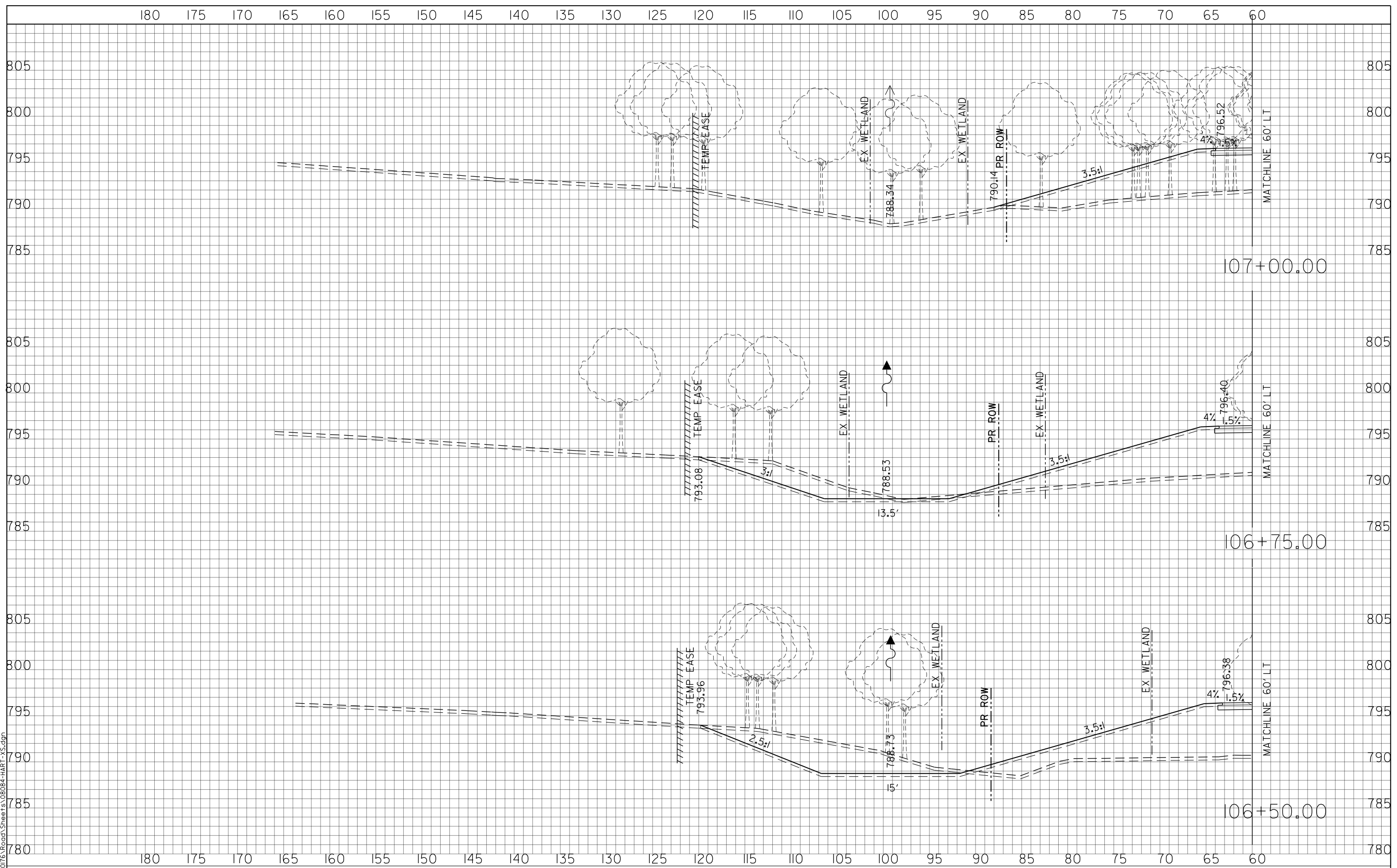
HART ROAD CROSS SECTIONS	
SCALE: H: 1/20 V: 1/10	SHEET 22 OF 51 SHEETS STA. 106+50.00 TO STA. 107+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 348
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
NO. _____	_____
SURVEYED	BY
TEMPLATE	_____
AREAS CHECKED	_____
AREAS CHECKED	_____

ORIGINAL SURVEY	DATE
NO. _____	_____
SURVEYED	BY
TEMPLATE	_____
AREAS CHECKED	_____
AREAS CHECKED	_____

FILE NAME: G:\CH09\0176\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

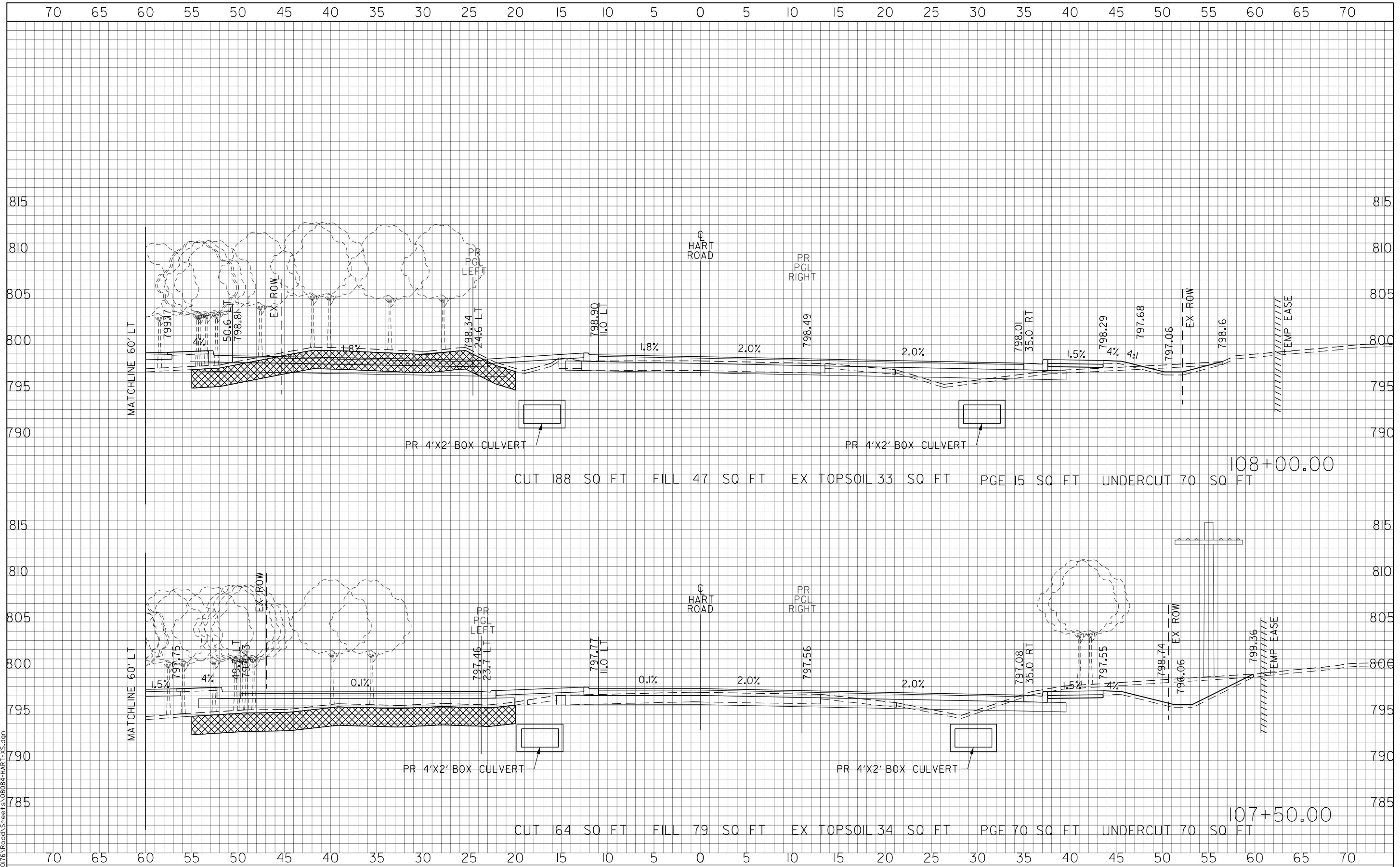
HART ROAD CROSS SECTIONS	
SCALE: H: 1/20 V: 1/10	SHEET 23 OF 51 SHEETS STA. 106+50.00 TO STA. 107+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 349
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

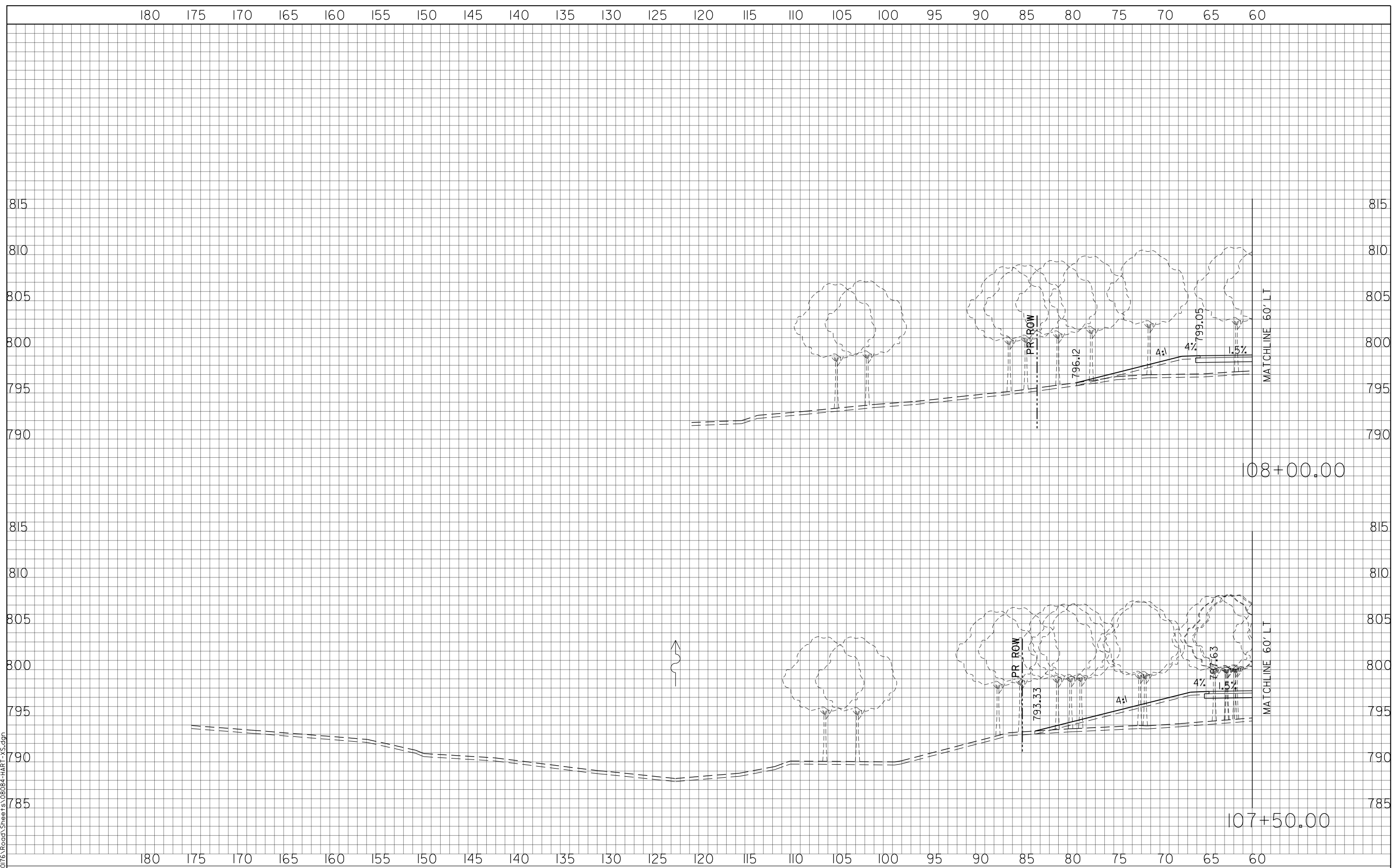
SCALE: H: 1/2" = 10' V: 1/8" = 10'
 SHEET 24 OF 51 SHEETS STA. 107+50.00 TO STA. 108+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 350
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheet\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

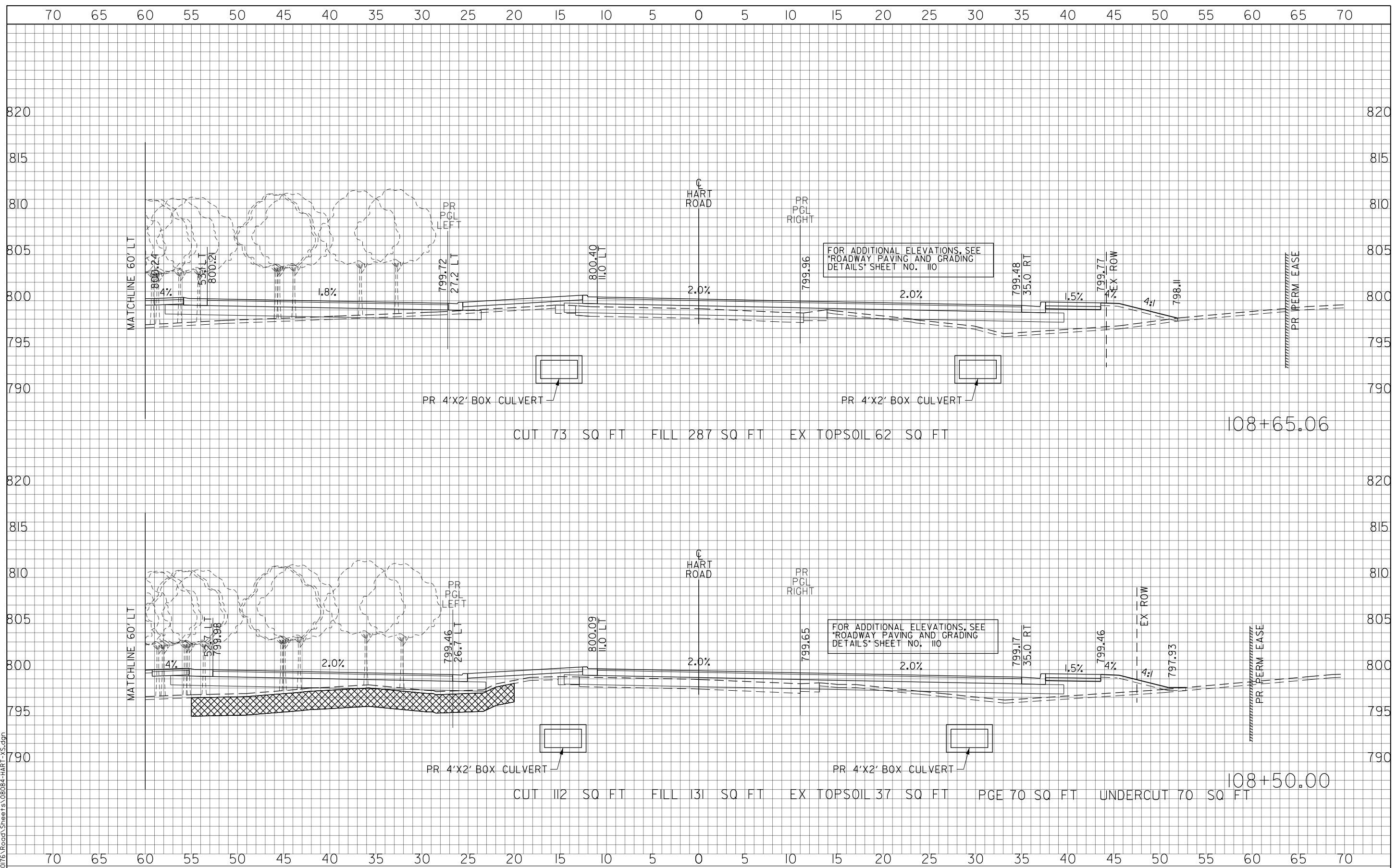
SCALE: H: V: 1/2" = 10' / 1" = 10'
SHEET 25 OF 51 SHEETS STA. 107+50.00 TO STA. 108+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 351
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



CUT 73 SQ FT FILL 287 SQ FT EX TOPSOIL 62 SQ FT

CUT 112 SQ FT FILL 131 SQ FT EX TOPSOIL 37 SQ FT PGE 70 SQ FT UNDERCUT 70 SQ FT



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

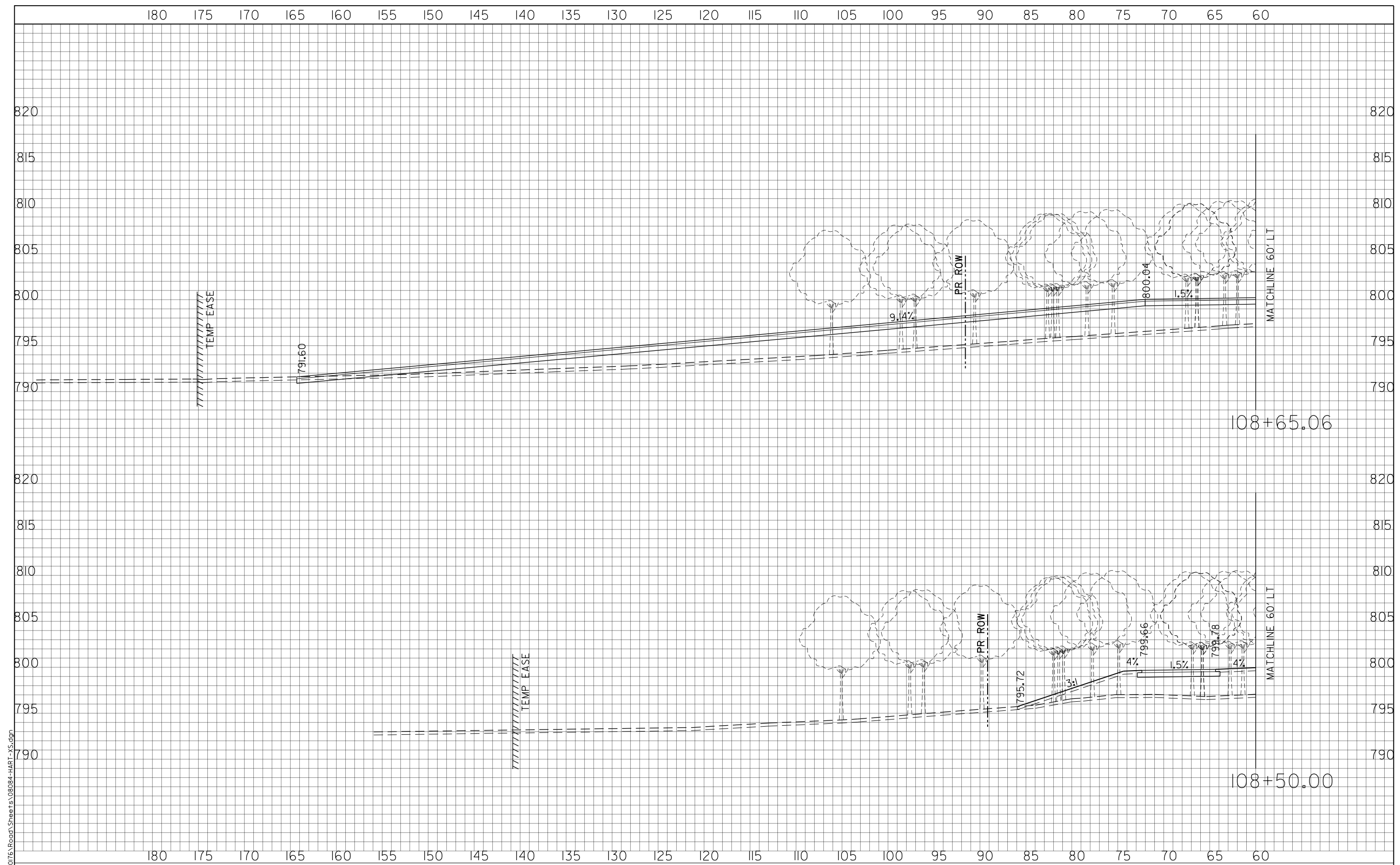
HART ROAD CROSS SECTIONS

SCALE: H: V: 1:20 1:10 SHEET 26 OF 51 SHEETS STA. 108+50.00 TO STA. 108+65.06

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 352
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

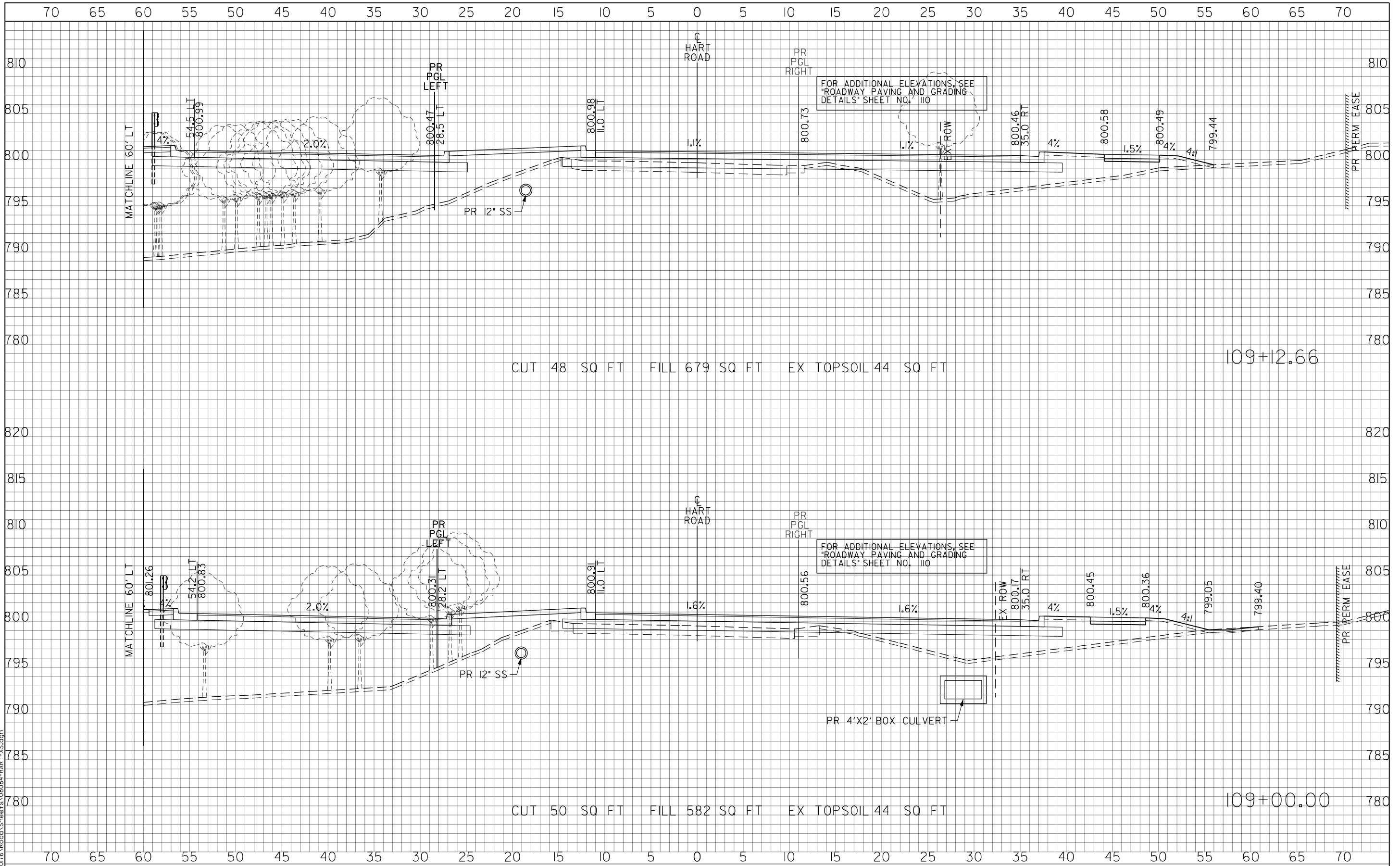
SCALE: H: V: 1" = 20' 1" = 10'
SHEET 27 OF 51 SHEETS STA. 108+50.00 TO STA. 108+65.06

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	353
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

DATE	BY
SURVEYED	BY
NOTE BOOK	NO.
AREAS CHECKED	

DATE	BY
SURVEYED	BY
NOTE BOOK	NO.
AREAS CHECKED	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

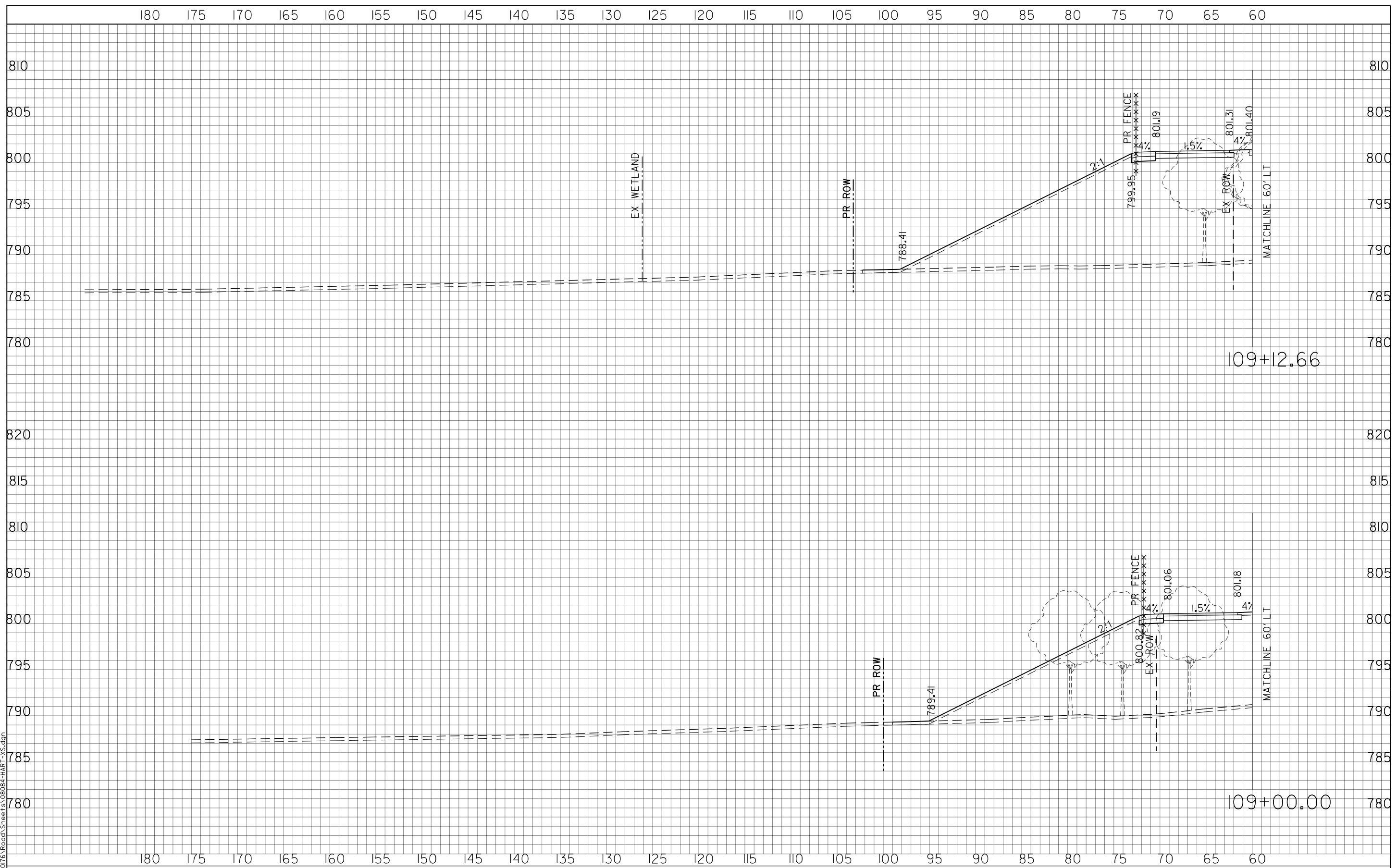
SCALE: H: 1/2" = 10' V: 1/4" = 10' SHEET 28 OF 51 SHEETS STA. 109+00.00 TO STA. 109+12.66

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 354
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

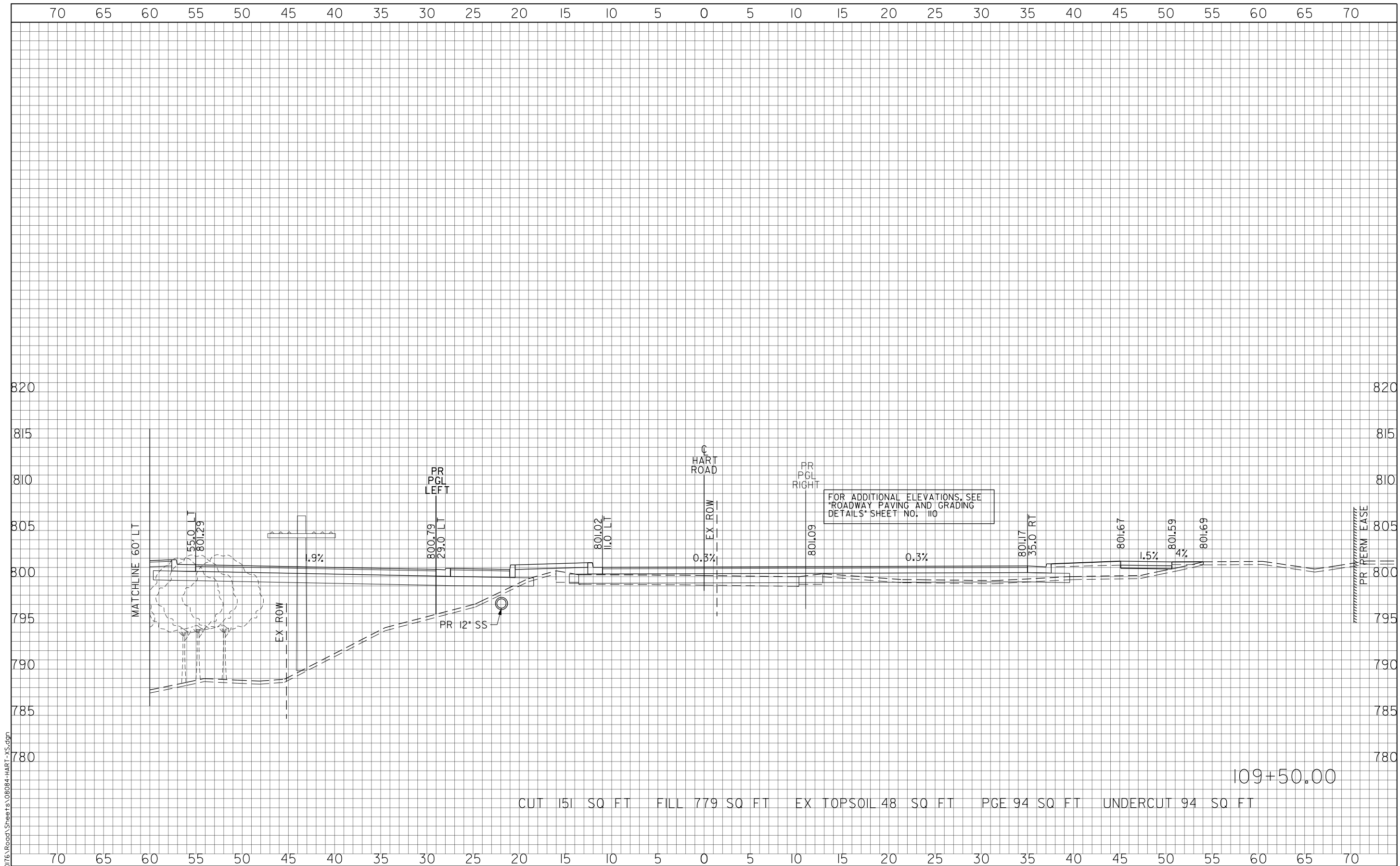
SCALE: H: 1/2" = 10' V: 1/8" = 10'
SHEET 29 OF 51 SHEETS STA. 109+00.00 TO STA. 109+12.66

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 355
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NOTE BOOK NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED AREAS CHECKED	BY	DATE

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



CUT 151 SQ FT FILL 779 SQ FT EX TOPSOIL 48 SQ FT PGE 94 SQ FT UNDERCUT 94 SQ FT

109+50.00



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

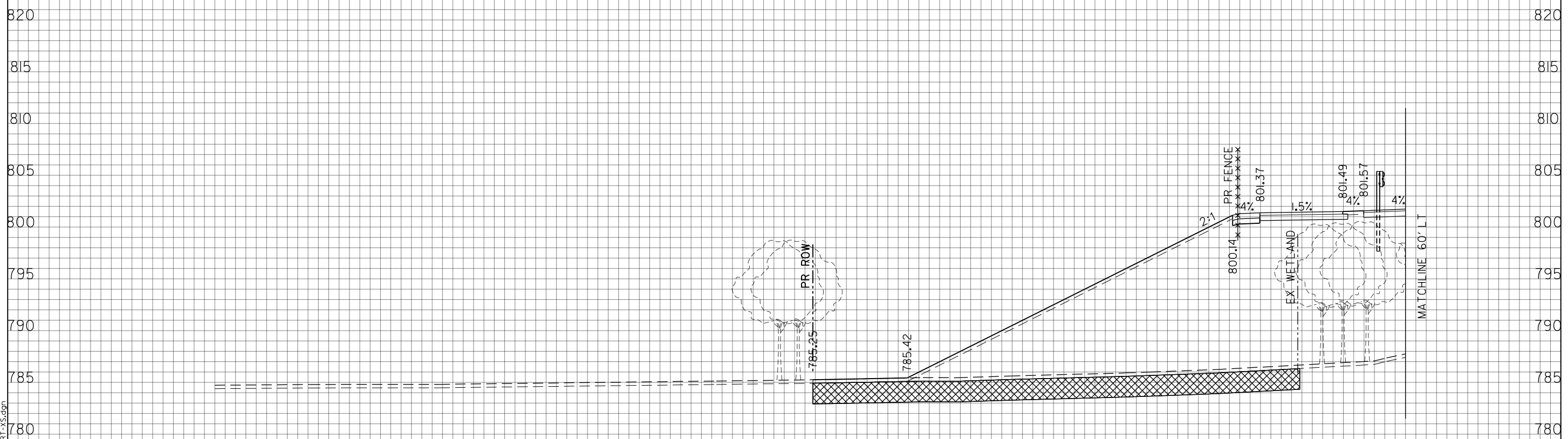
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HART ROAD CROSS SECTIONS

SCALE: H: 1/20 V: 1/10 SHEET 30 OF 51 SHEETS STA. 109+50.00 TO STA. 109+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	356
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60



180 175 170 165 160 155 150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60

109+50.00

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

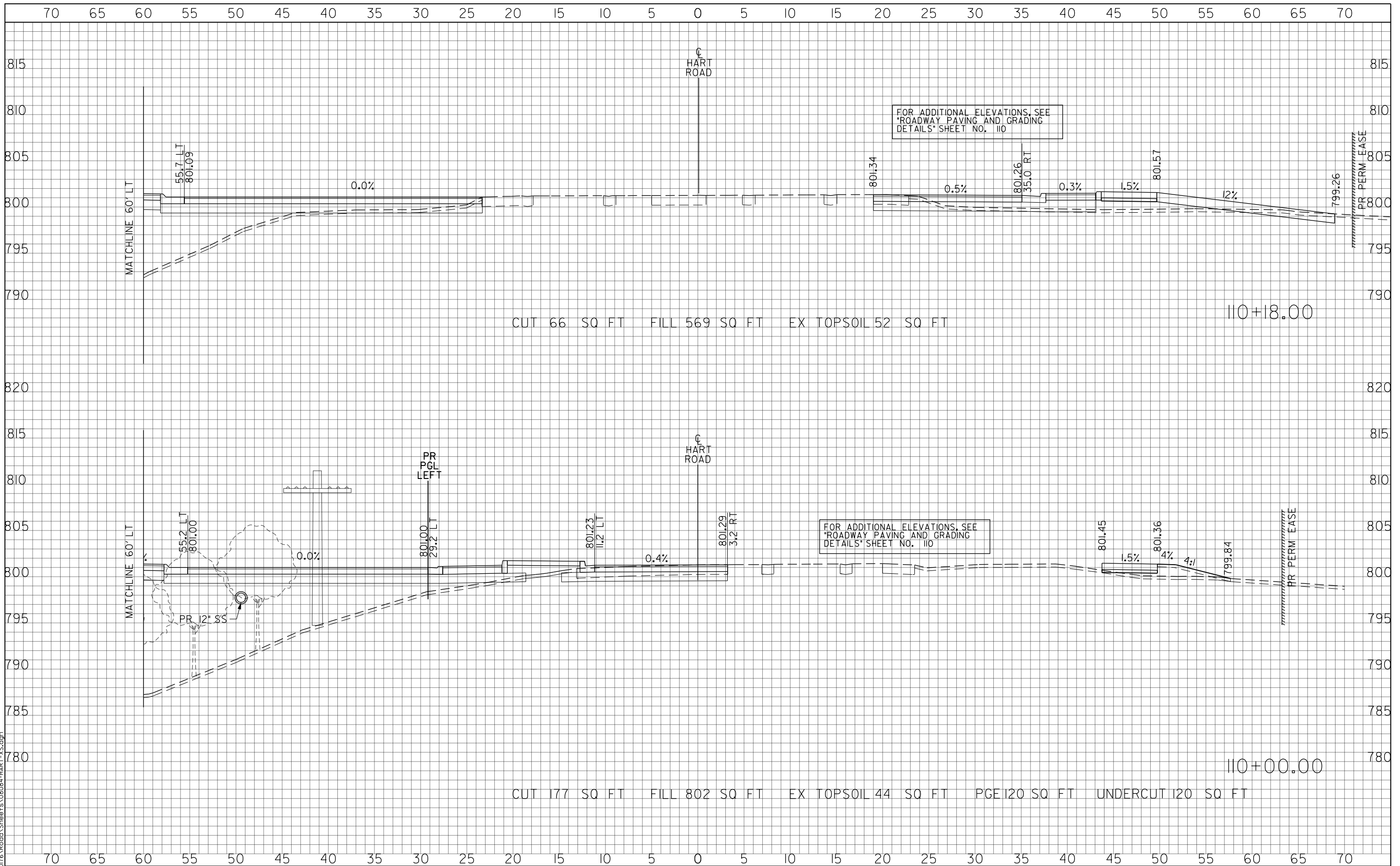
SCALE: H: 1/2" = 10' V: 1/4" = 10'
SHEET 31 OF 51 SHEETS STA. 109+50.00 TO STA. 109+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	357
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

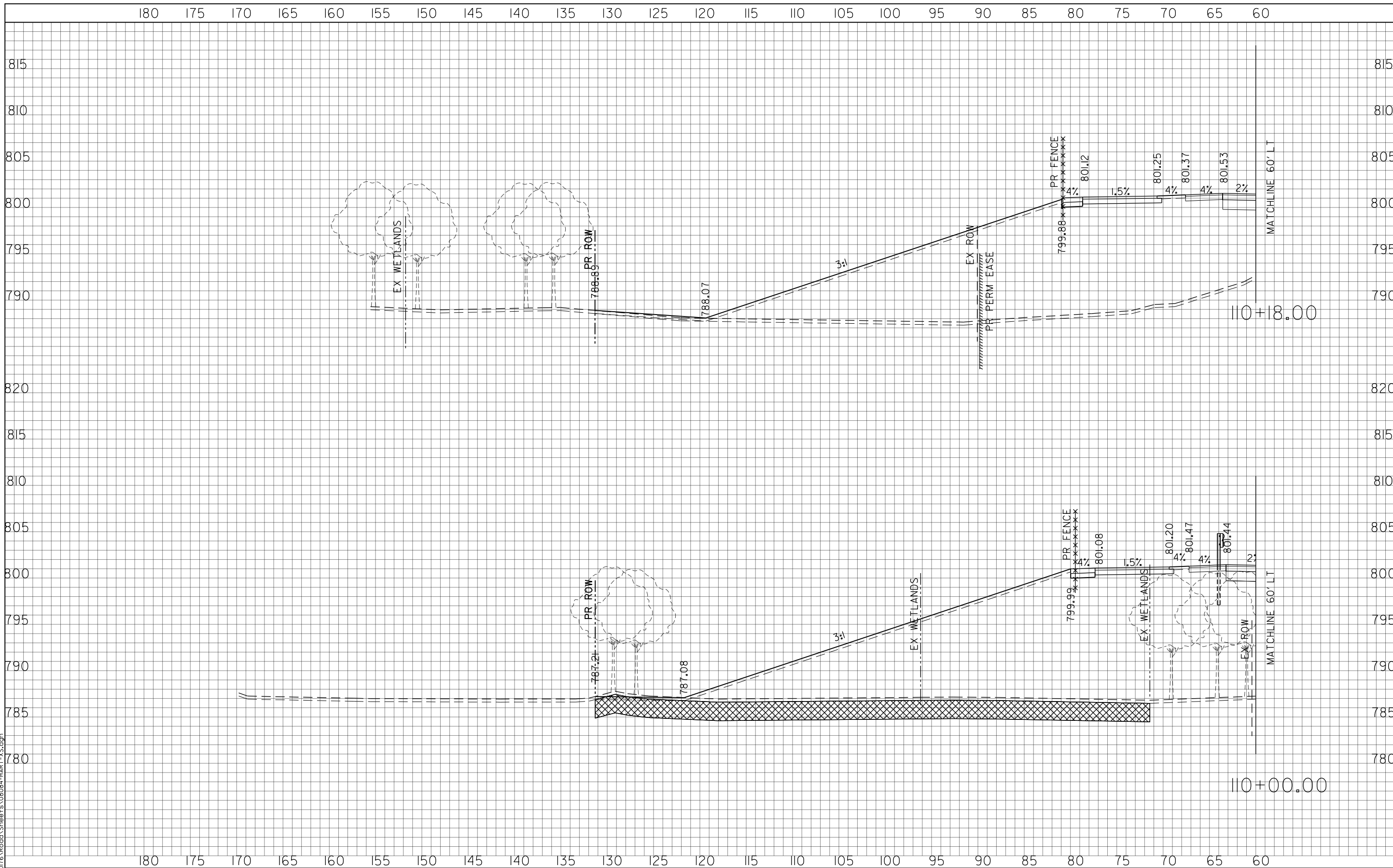
SCALE: H: 1/20 V: 1/10 SHEET 32 OF 51 SHEETS STA. 110+00.00 TO STA. 110+18.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 358
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

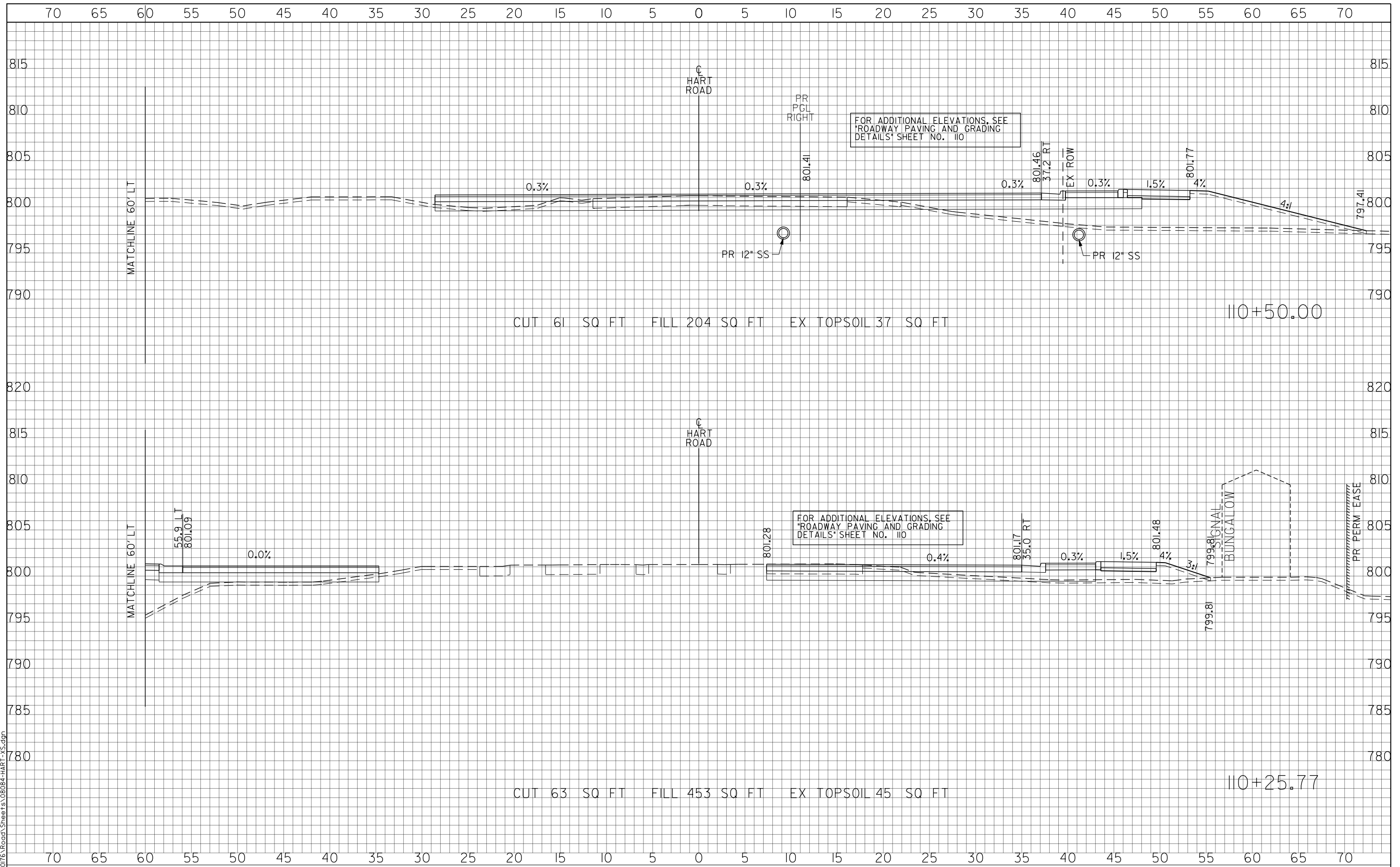
SCALE: H: V: 1:20 1:10 SHEET 33 OF 51 SHEETS STA. 110+00.00 TO STA. 110+18.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 359
		CONTRACT NO. 61D65		
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



FOR ADDITIONAL ELEVATIONS, SEE 'ROADWAY PAVING AND GRADING DETAILS' SHEET NO. 110

FOR ADDITIONAL ELEVATIONS, SEE 'ROADWAY PAVING AND GRADING DETAILS' SHEET NO. 110



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

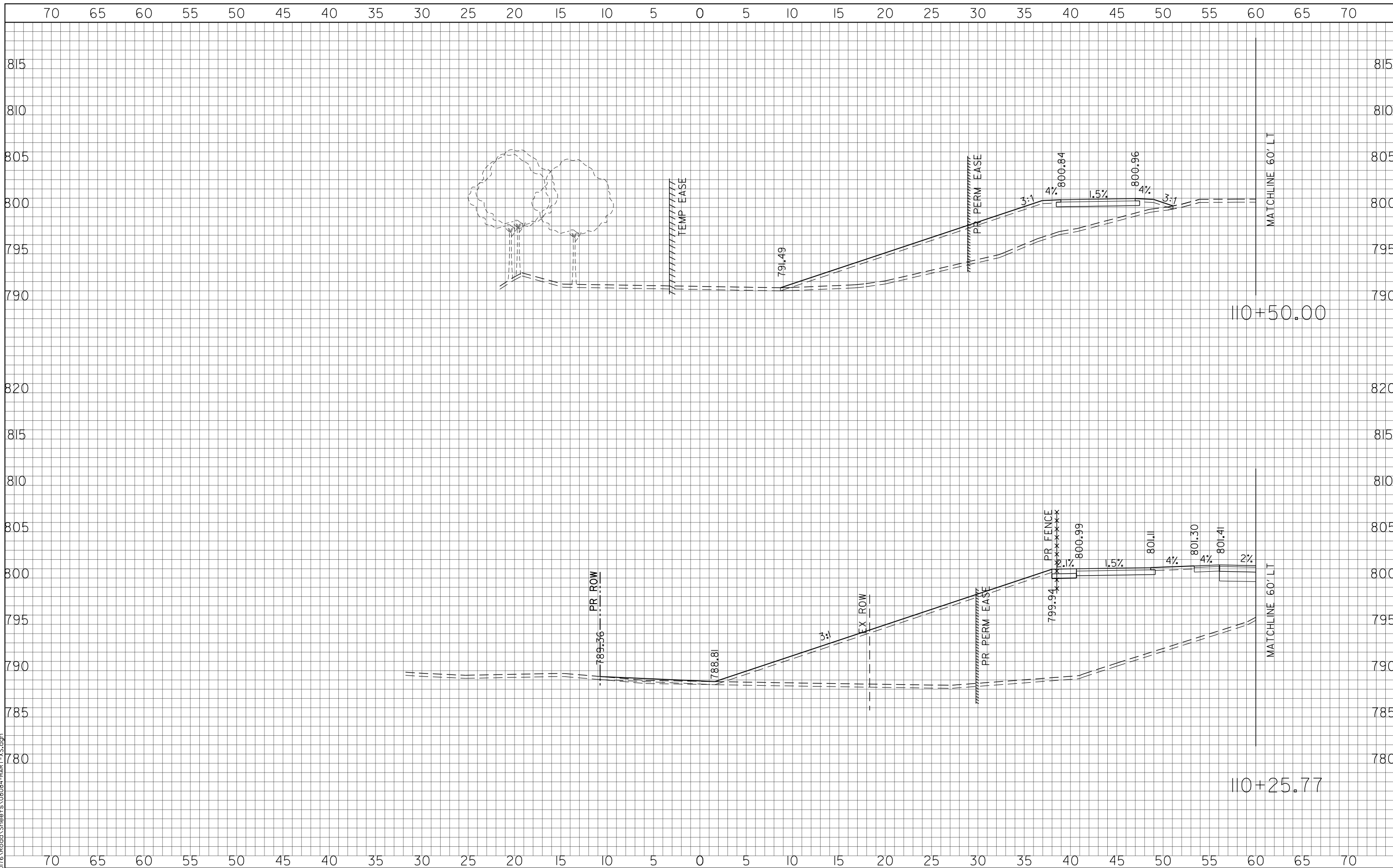
SCALE: H: V: 1/20 1/10
SHEET 34 OF 51 SHEETS STA. 110+25.77 TO STA. 110+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 360
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\0176\Road\Sheet\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HART ROAD CROSS SECTIONS

SCALE: H: V: 1:20 1:10

SHEET 35 OF 51 SHEETS

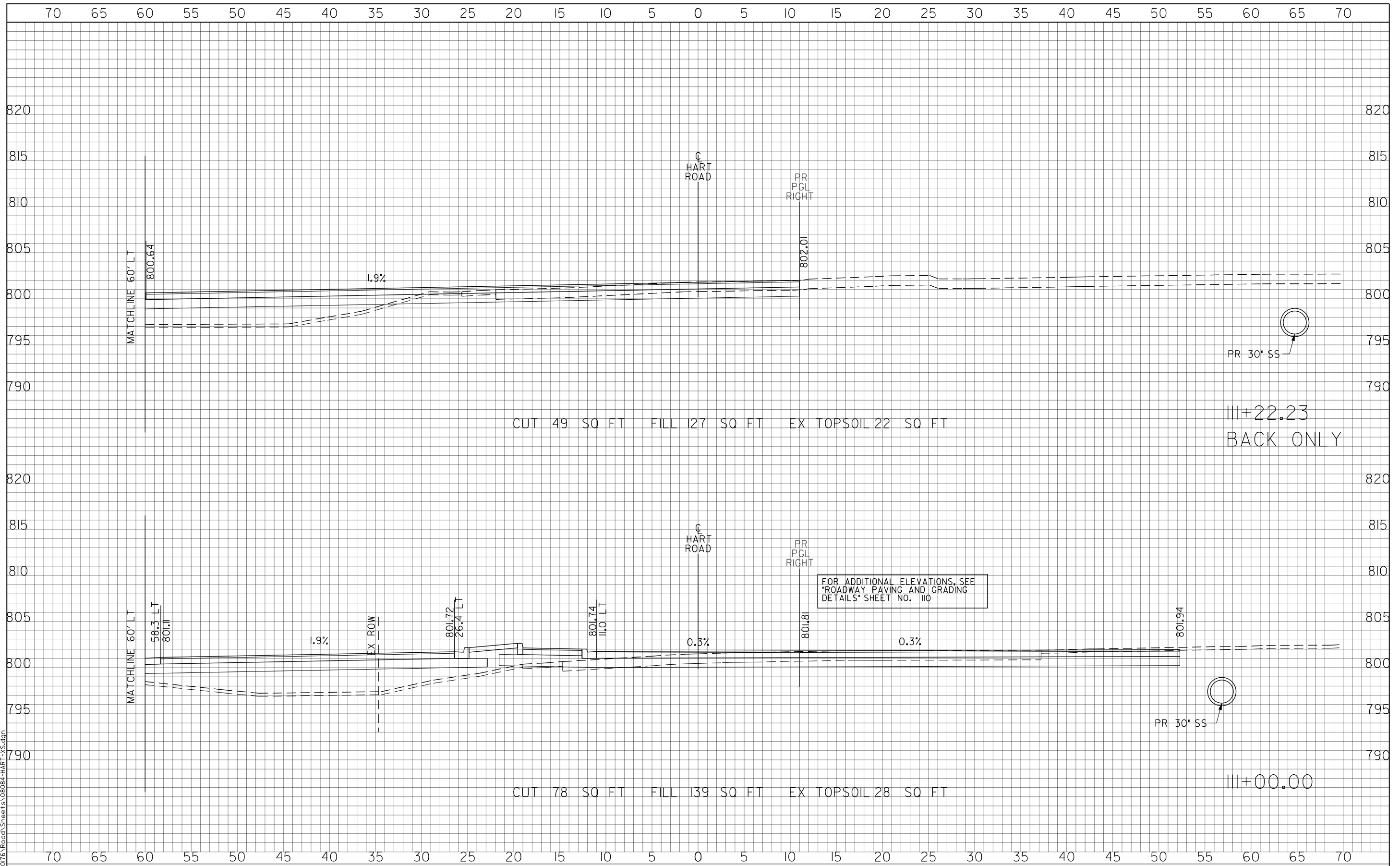
STA. 110+25.77 TO STA. 110+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	361
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



FOR ADDITIONAL ELEVATIONS, SEE "ROADWAY PAVING AND GRADING DETAILS" SHEET NO. 110



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

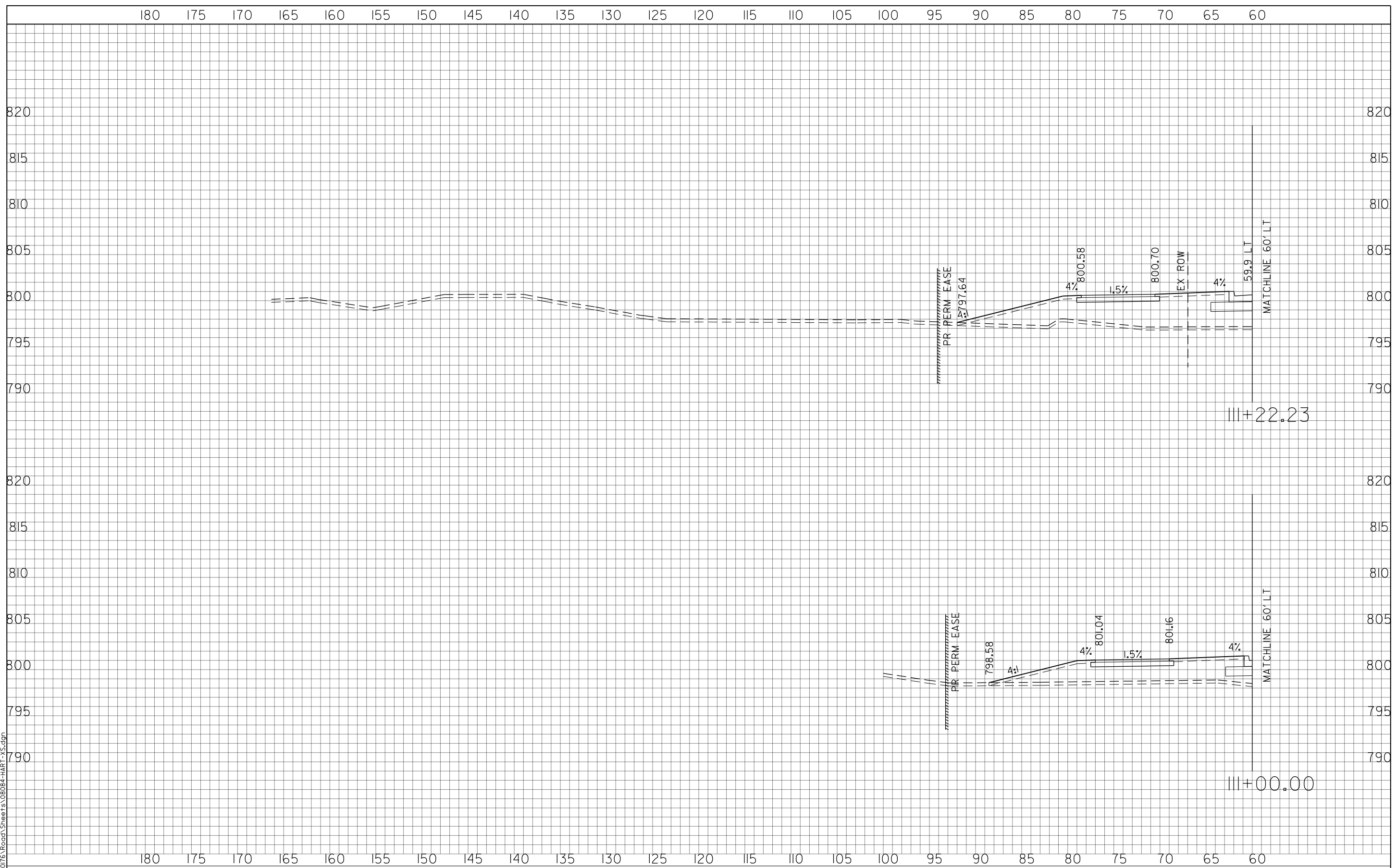
HART ROAD CROSS SECTIONS	
SCALE: H: 1/20 V: 1/10	SHEET 36 OF 51 SHEETS STA. III+00.00 TO STA. III+22.23

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 362
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

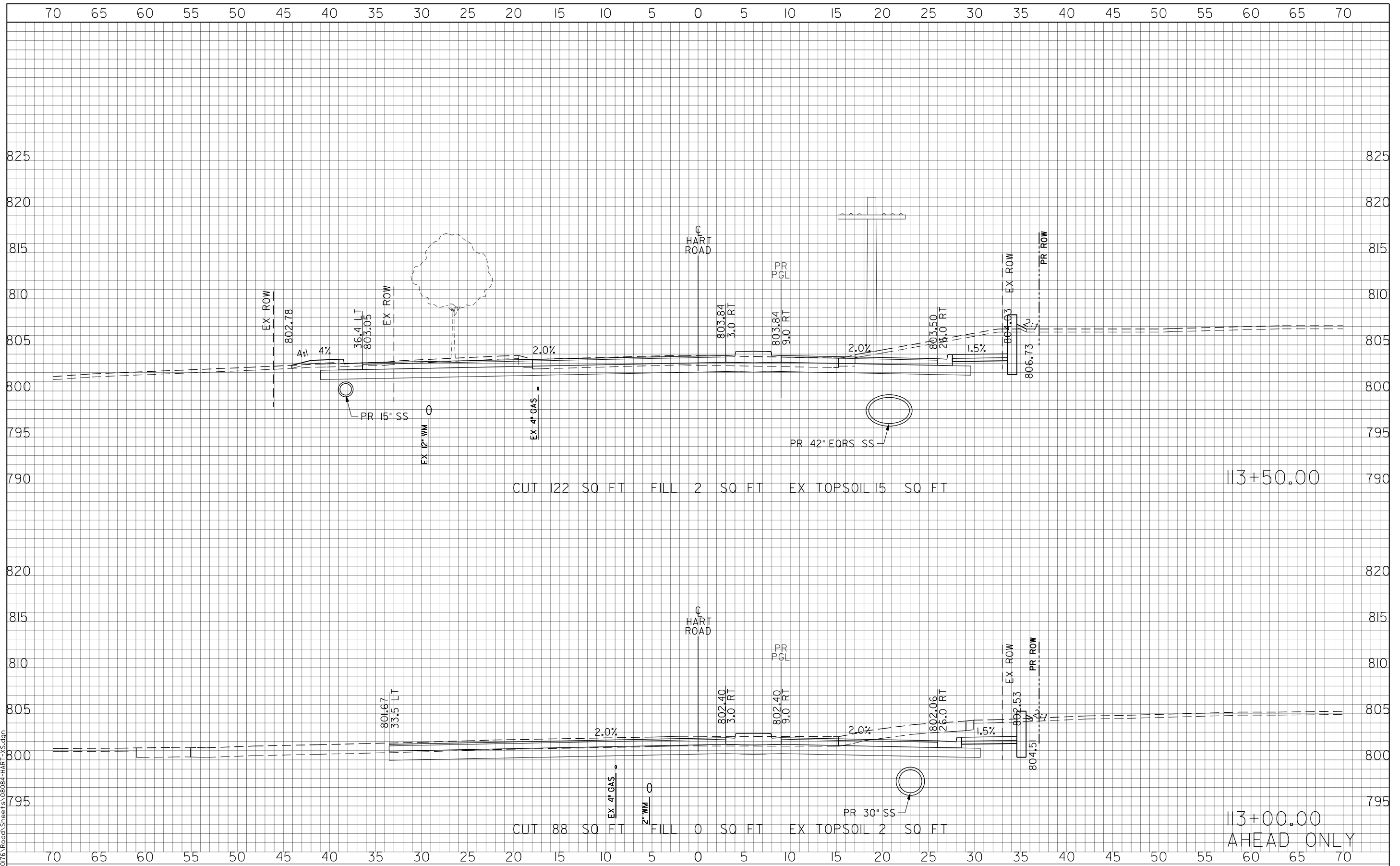
SCALE: H: 1/20 V: 1/10 SHEET 37 OF 51 SHEETS STA. III+00.00 TO STA. III+22.23

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 363
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

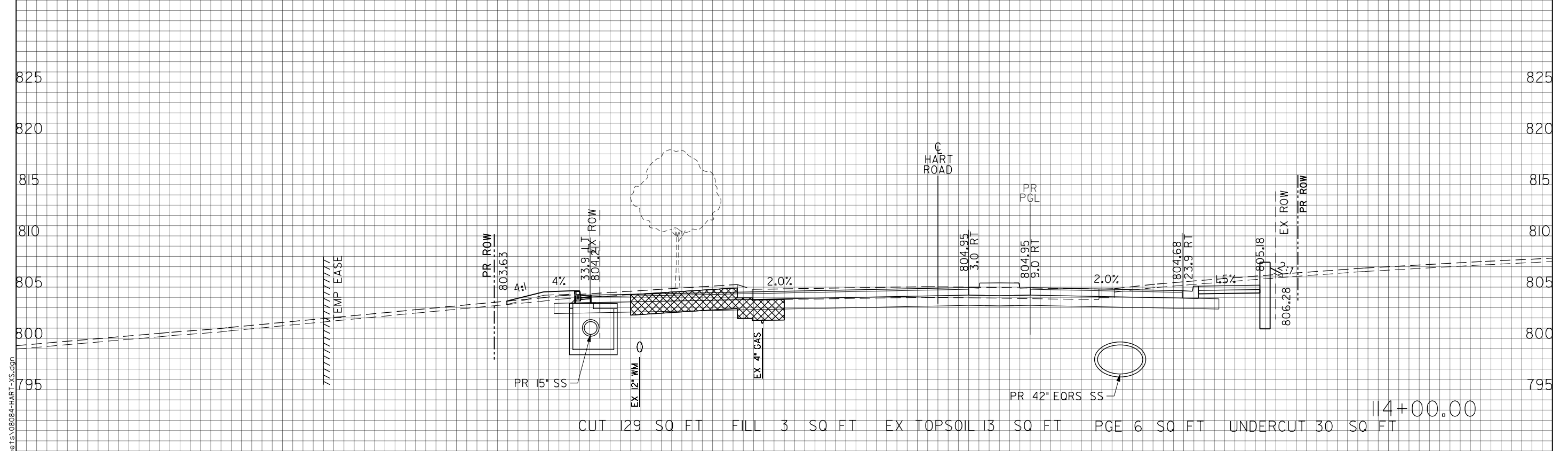
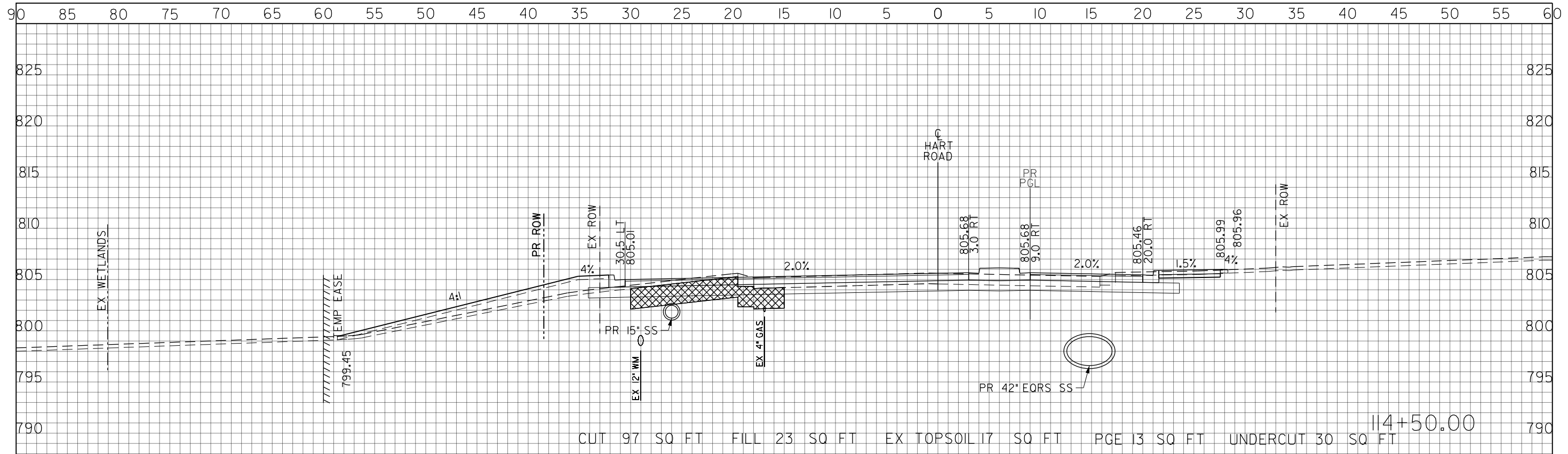
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: V: 1/2" = 10' 1/10'

SHEET 38 OF 51 SHEETS STA. 113+00.00 TO STA. 113+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 364
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	



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

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

FILE NAME: G:\CH09\0100\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

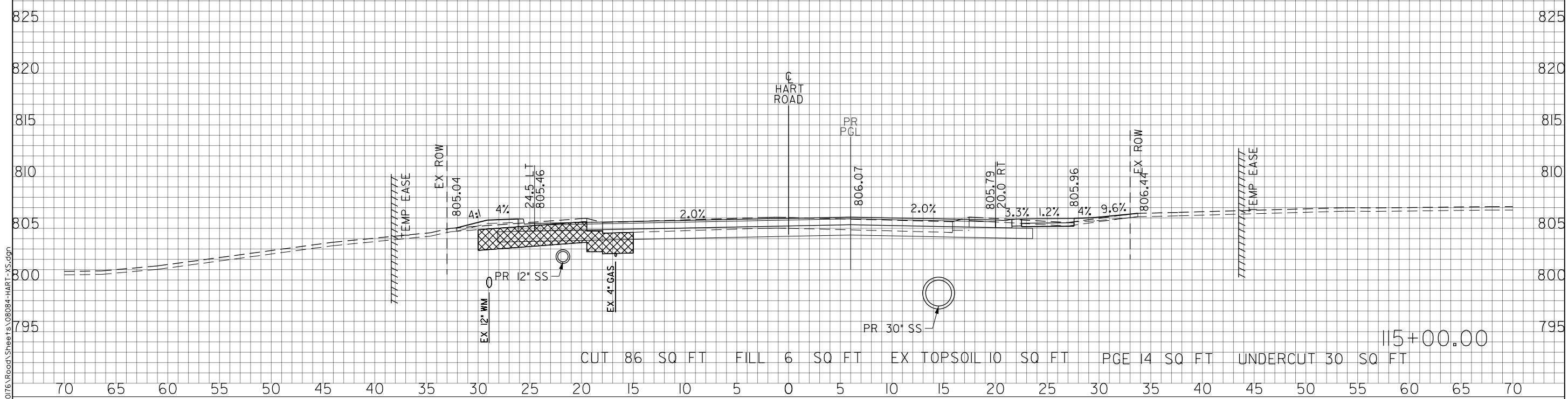
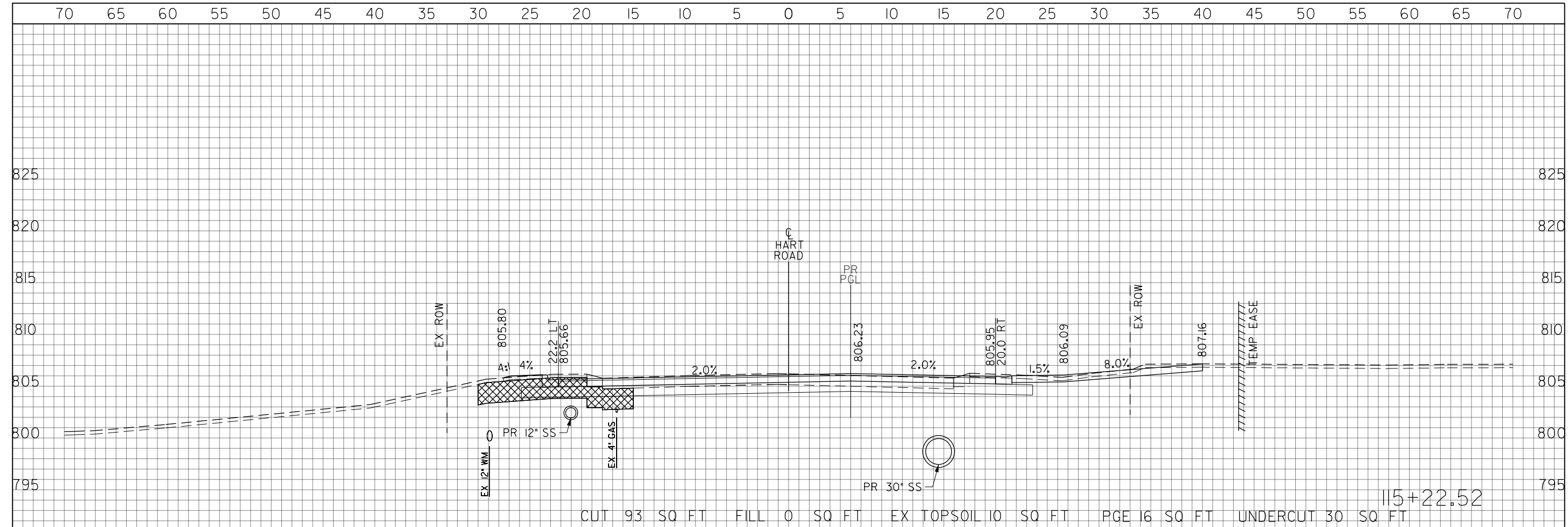
HART ROAD CROSS SECTIONS

SCALE: H: 1/2" = 10' V: 1/4" = 10' SHEET 39 OF 51 SHEETS STA. 114+00.00 TO STA. 114+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 365
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS	
SCALE: H: V: 20: 10	SHEET 40 OF 51 SHEETS STA. 115+00.00 TO STA. 115+22.52

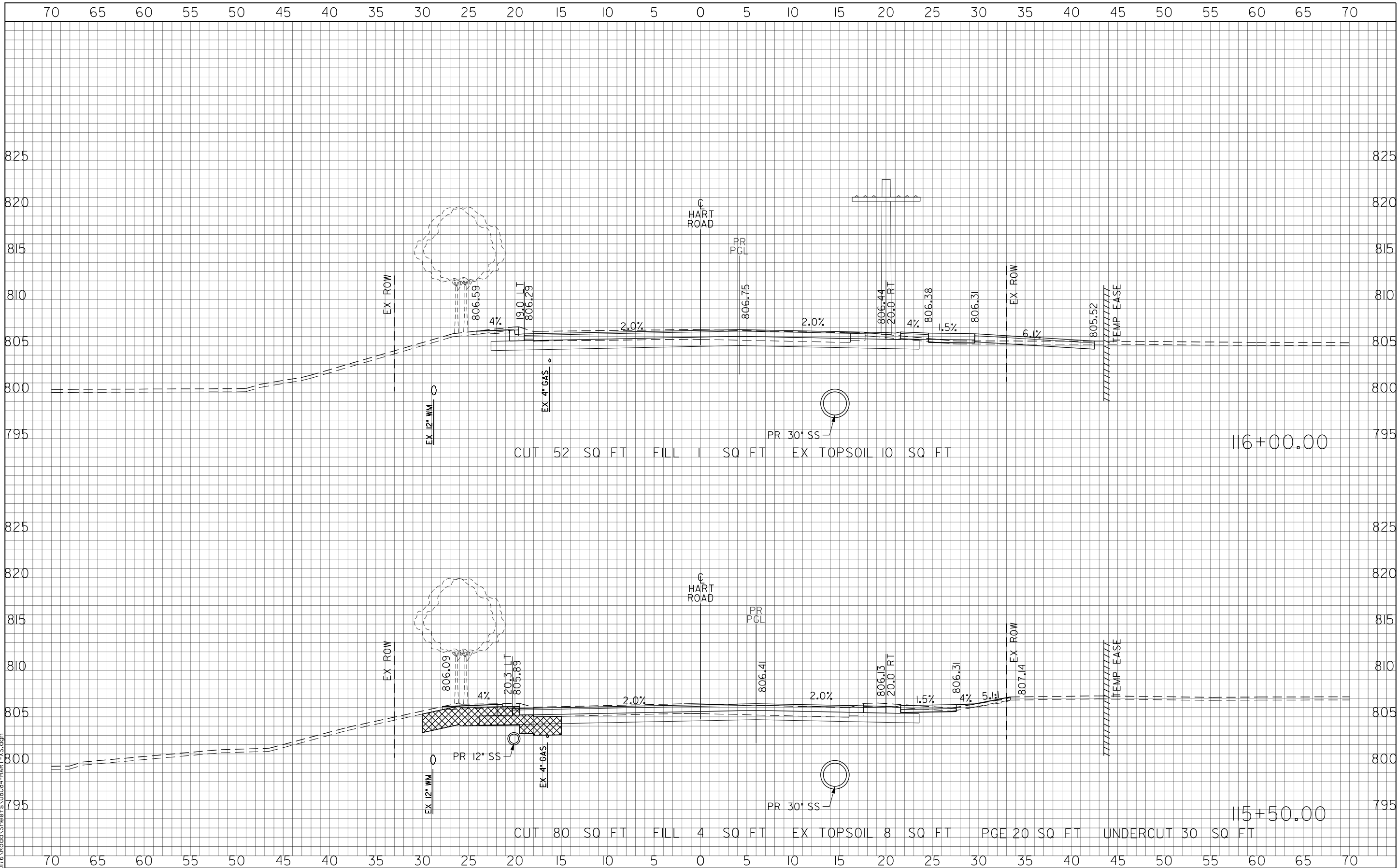
FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 366
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: V:
1/20 1/10

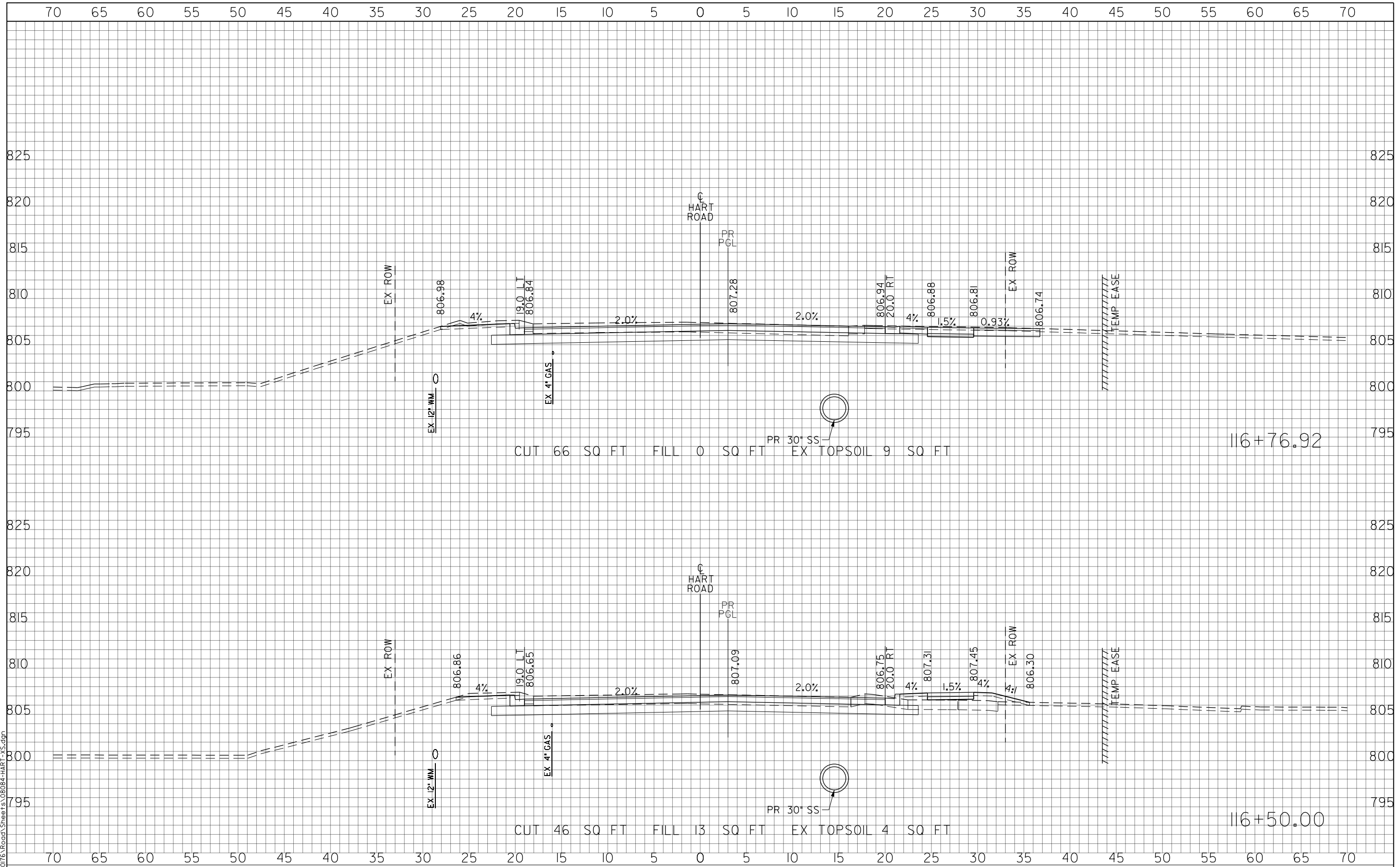
SHEET 41 OF 51 SHEETS STA. 115+50.00 TO STA. 116+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 367
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
AREAS CHECKED		
NO.		

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

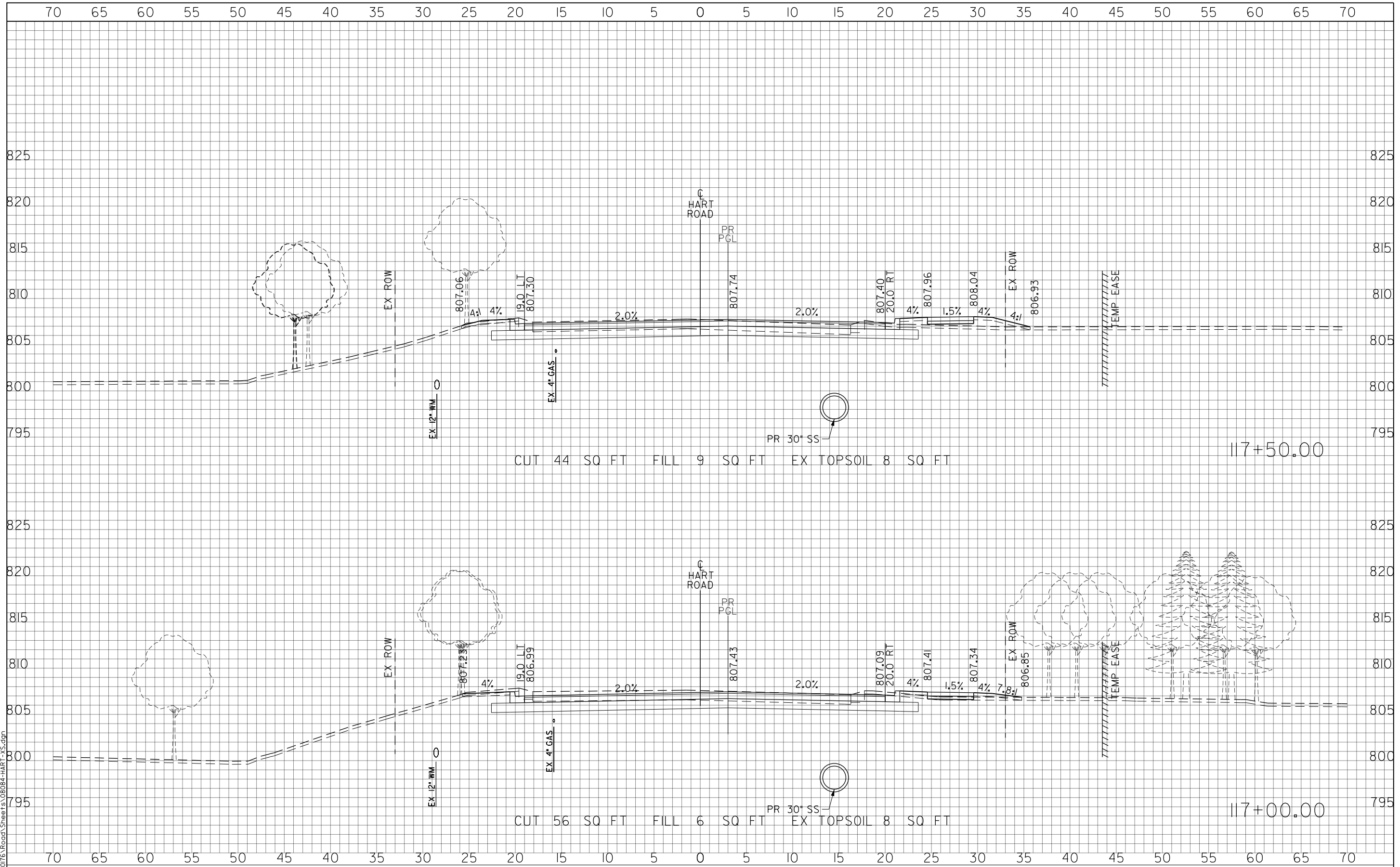
SCALE: H: V: 1/20 1/10 SHEET 42 OF 51 SHEETS STA. 116+50.00 TO STA. 116+76.92

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 368
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
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FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

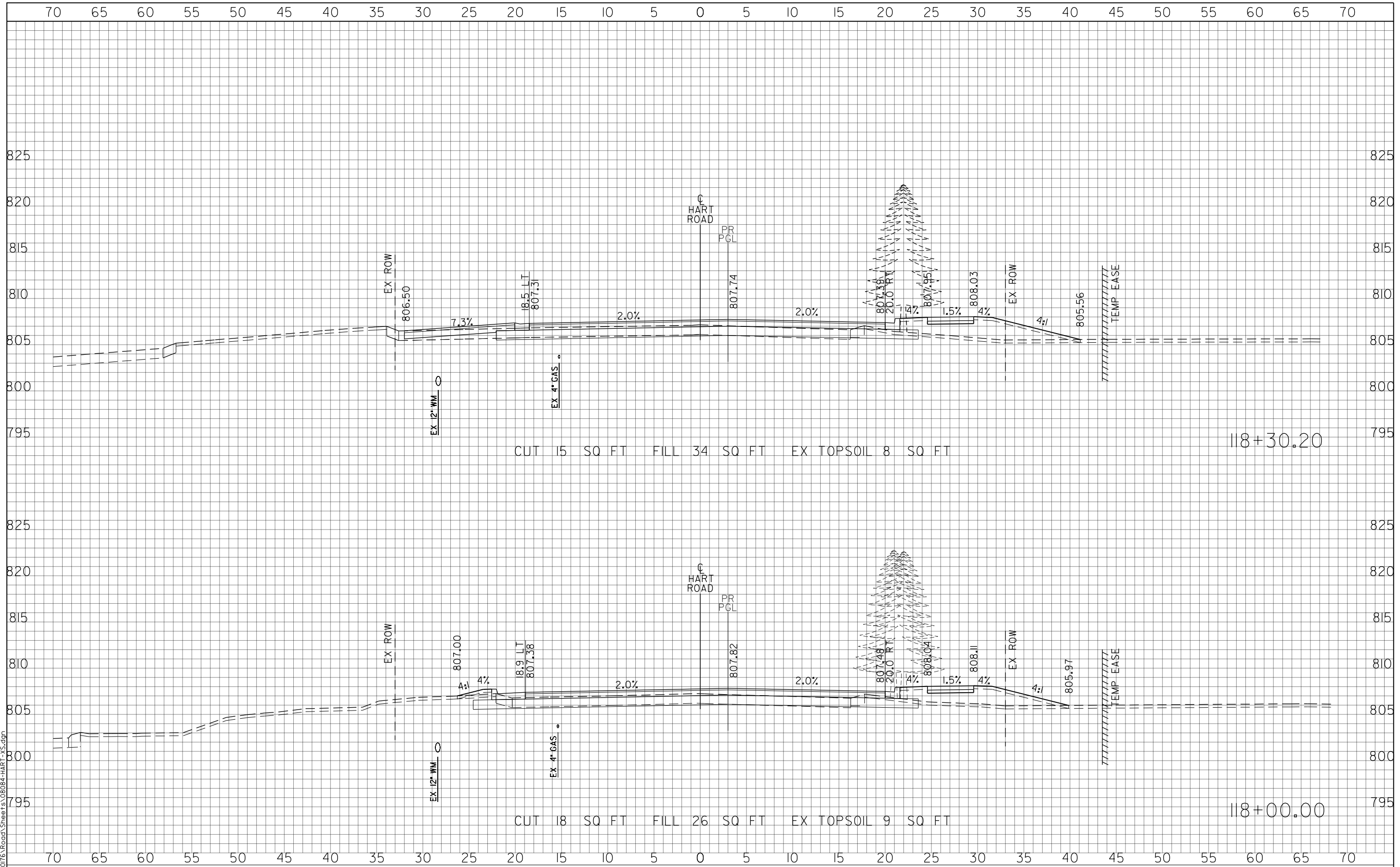
HART ROAD CROSS SECTIONS	
SCALE: H: V: 1/2" = 10' / 1/4" = 10'	SHEET 43 OF 51 SHEETS STA. 117+00.00 TO STA. 117+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 369
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS	
SCALE: H: 1/20 V: 1/10	SHEET 44 OF 51 SHEETS STA. 118+00.00 TO STA. 118+30.20

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 370
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



CUT 35 SQ FT FILL 28 SQ FT EX TOPSOIL 10 SQ FT

119+00.00

CUT 18 SQ FT FILL 36 SQ FT EX TOPSOIL 8 SQ FT

118+50.00



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: 1/20
V: 1/10

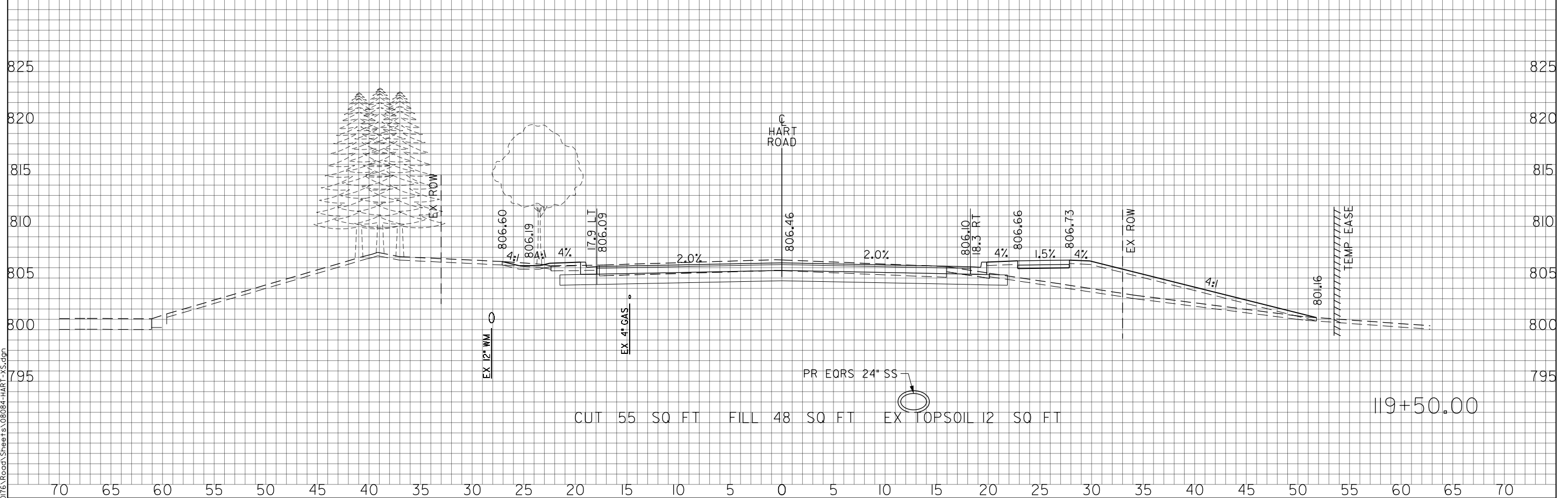
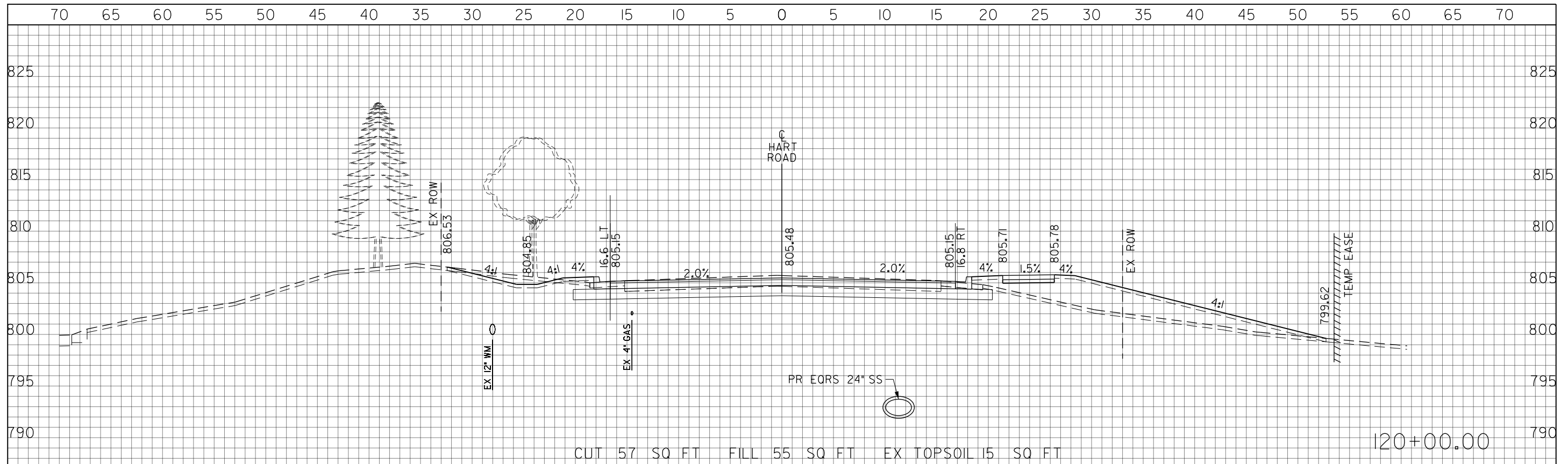
SHEET 45 OF 51 SHEETS STA. 118+50.00 TO STA. 119+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 371
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HART ROAD CROSS SECTIONS

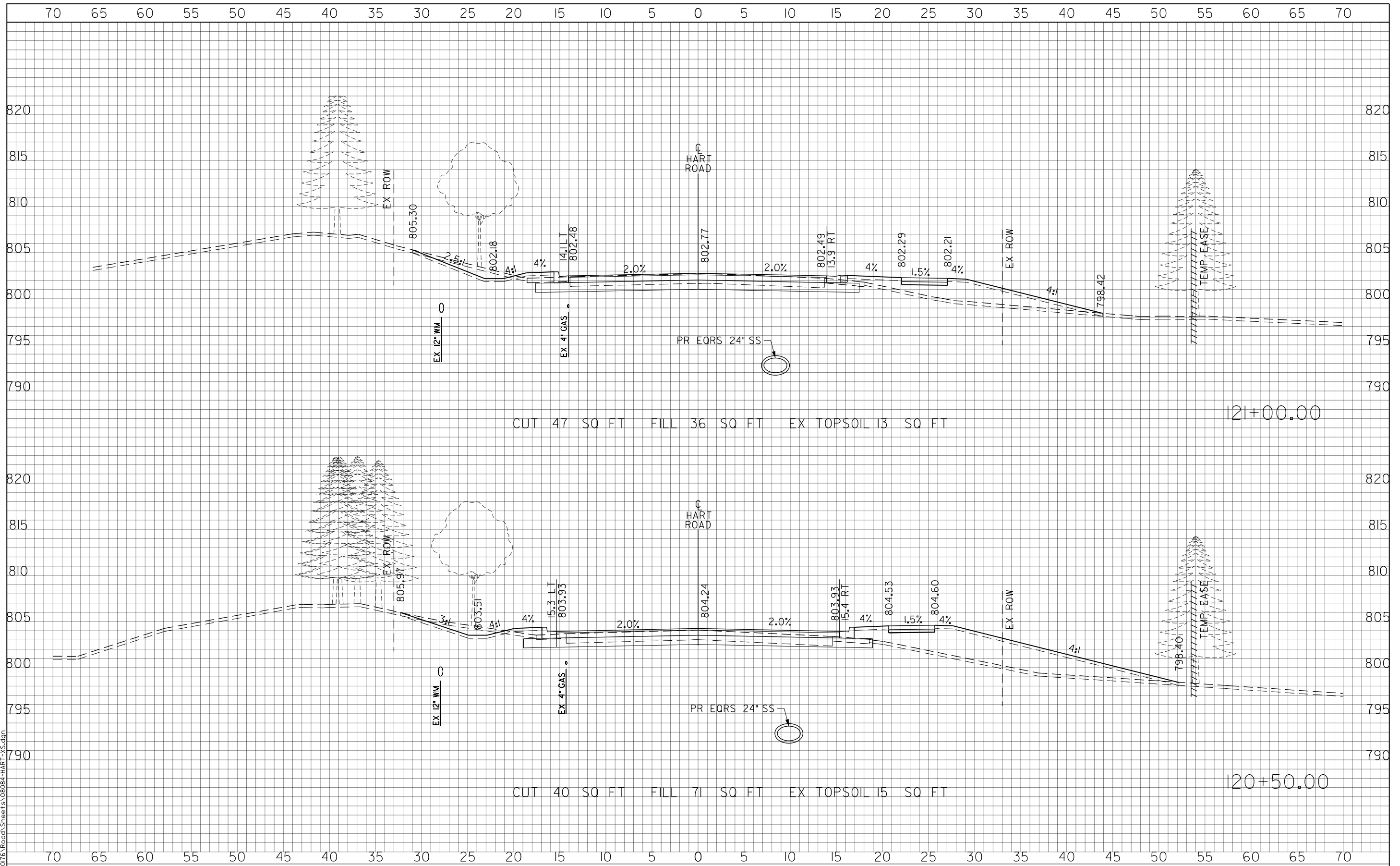
SCALE: H: 1/20 V: 1/10 SHEET 46 OF 51 SHEETS STA. 119+50.00 TO STA. 120+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 372
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: 1/20
V: 1/10

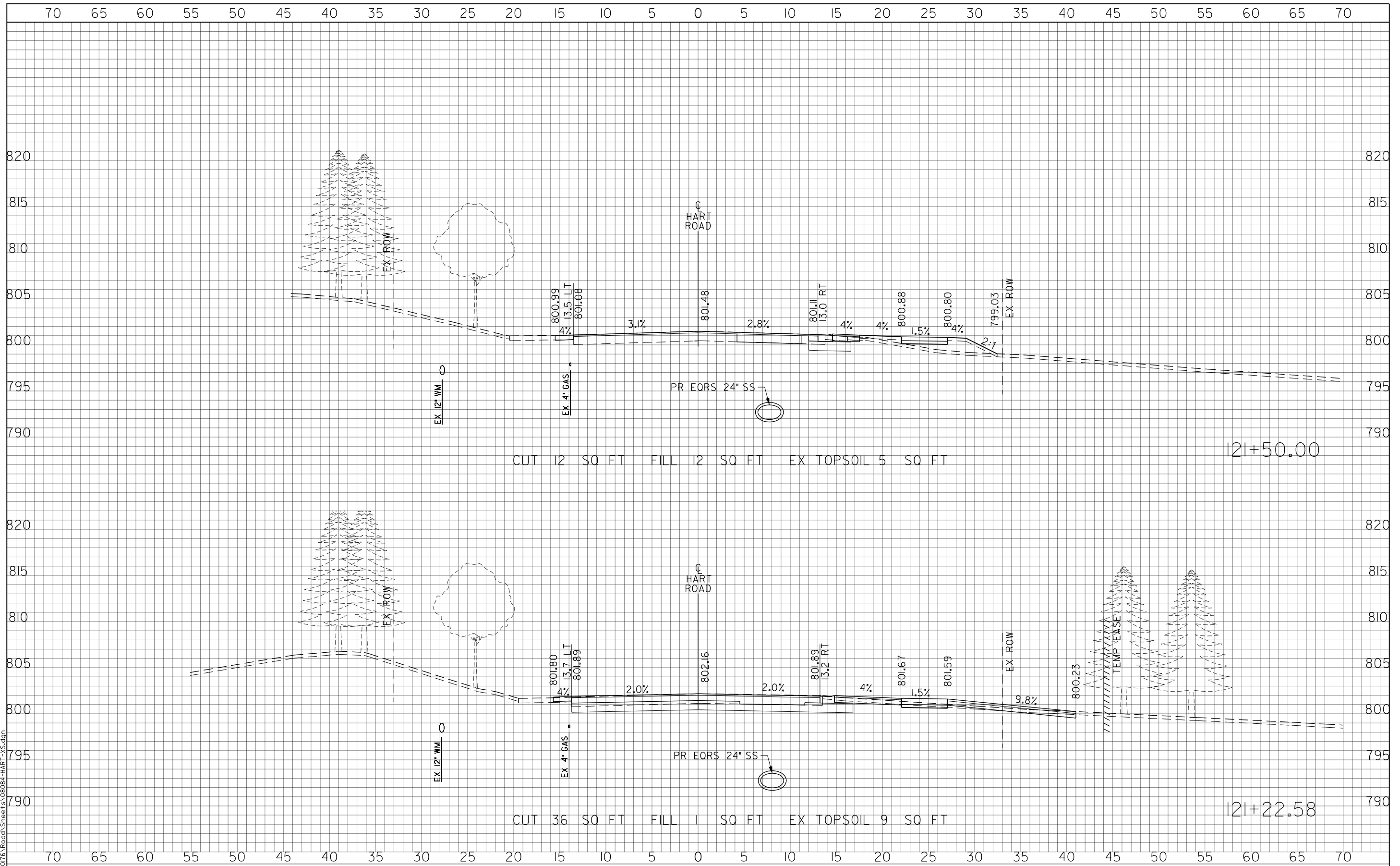
SHEET 47 OF 51 SHEETS STA. 120+50.00 TO STA. 121+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 373
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

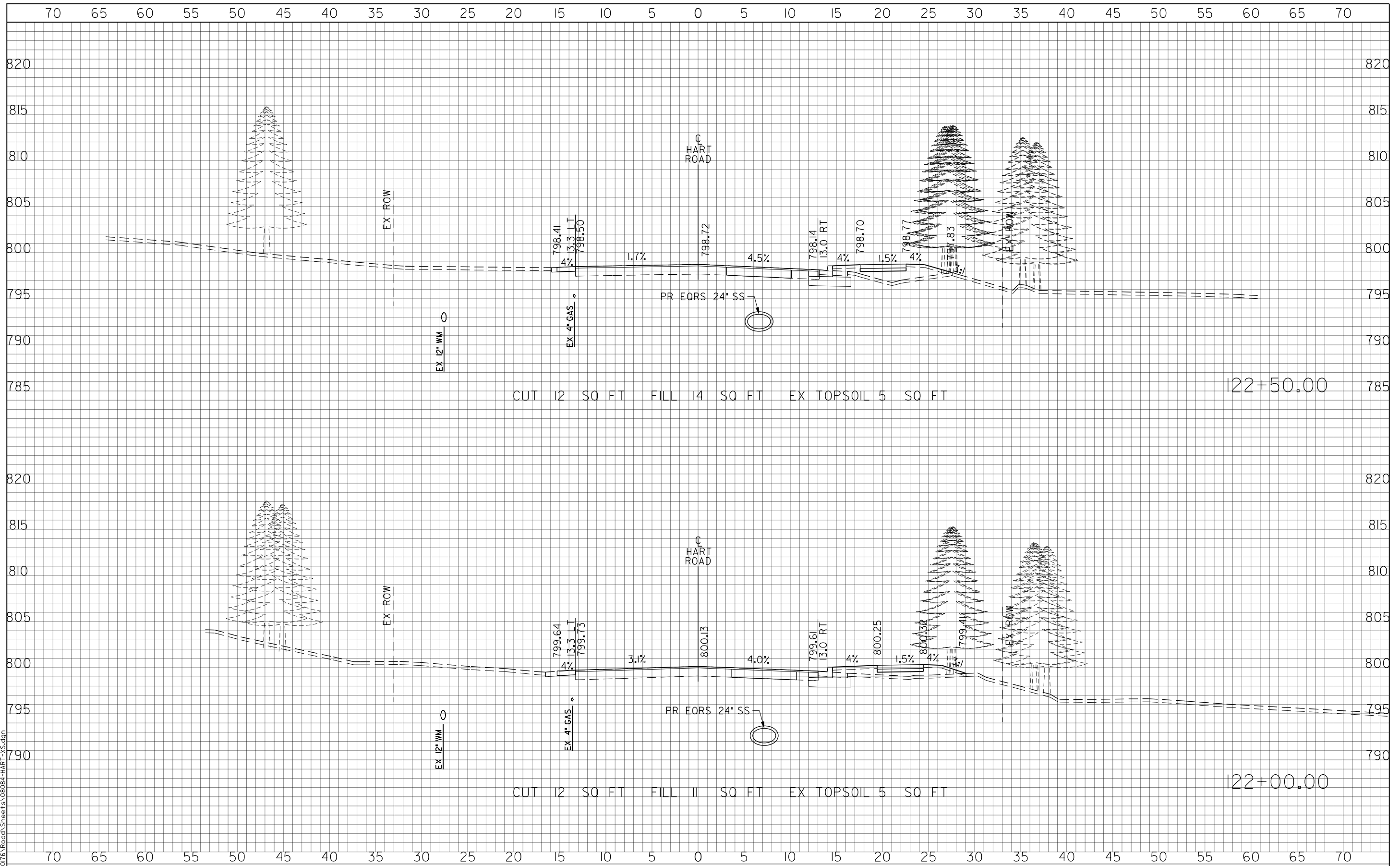
SCALE: H: 1/20 V: 1/10 SHEET 48 OF 51 SHEETS STA. 121+22.58 TO STA. 121+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 374
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

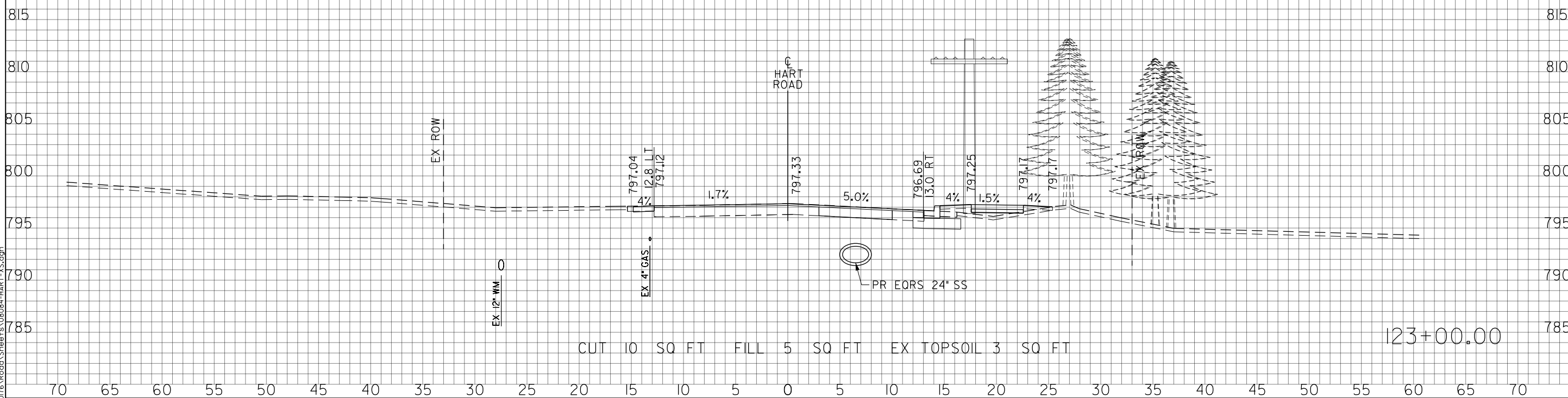
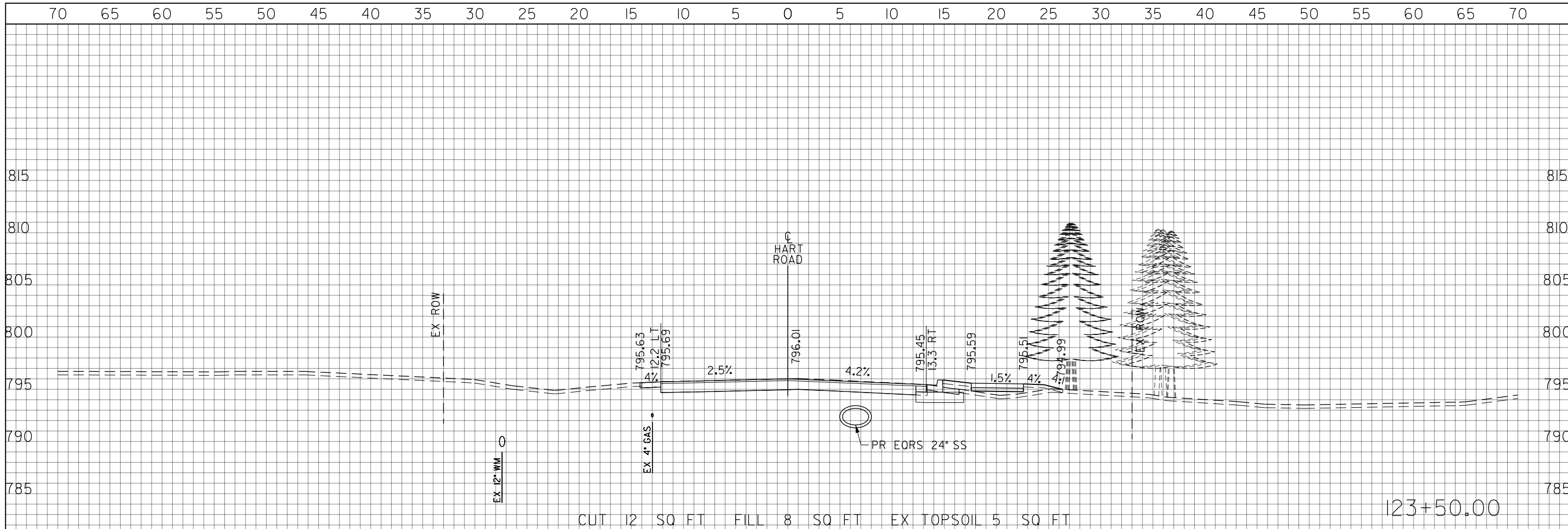
SCALE: H: V: 1/2" = 10' 1/4" = 10'
SHEET 49 OF 51 SHEETS STA. 122+00.00 TO STA. 122+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 375
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



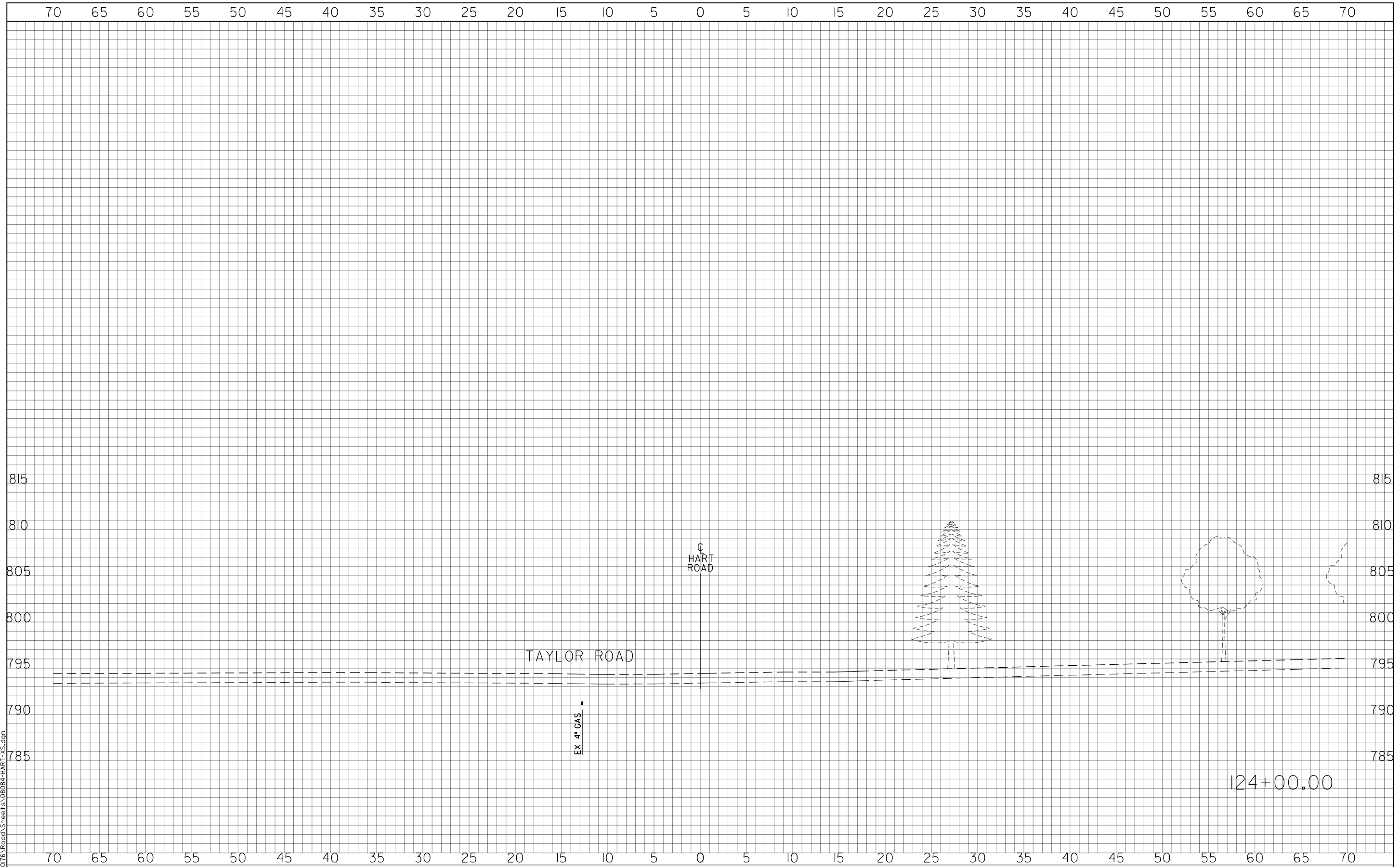
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PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

SCALE: H: 1/2" = 10' V: 1/4" = 10' SHEET 50 OF 51 SHEETS STA. 123+00.00 TO STA. 123+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 376
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NOTE BOOK NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED BY	DATE

FILE NAME: G:\CH09\016\Road\Sheets\08084-HART-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD CROSS SECTIONS

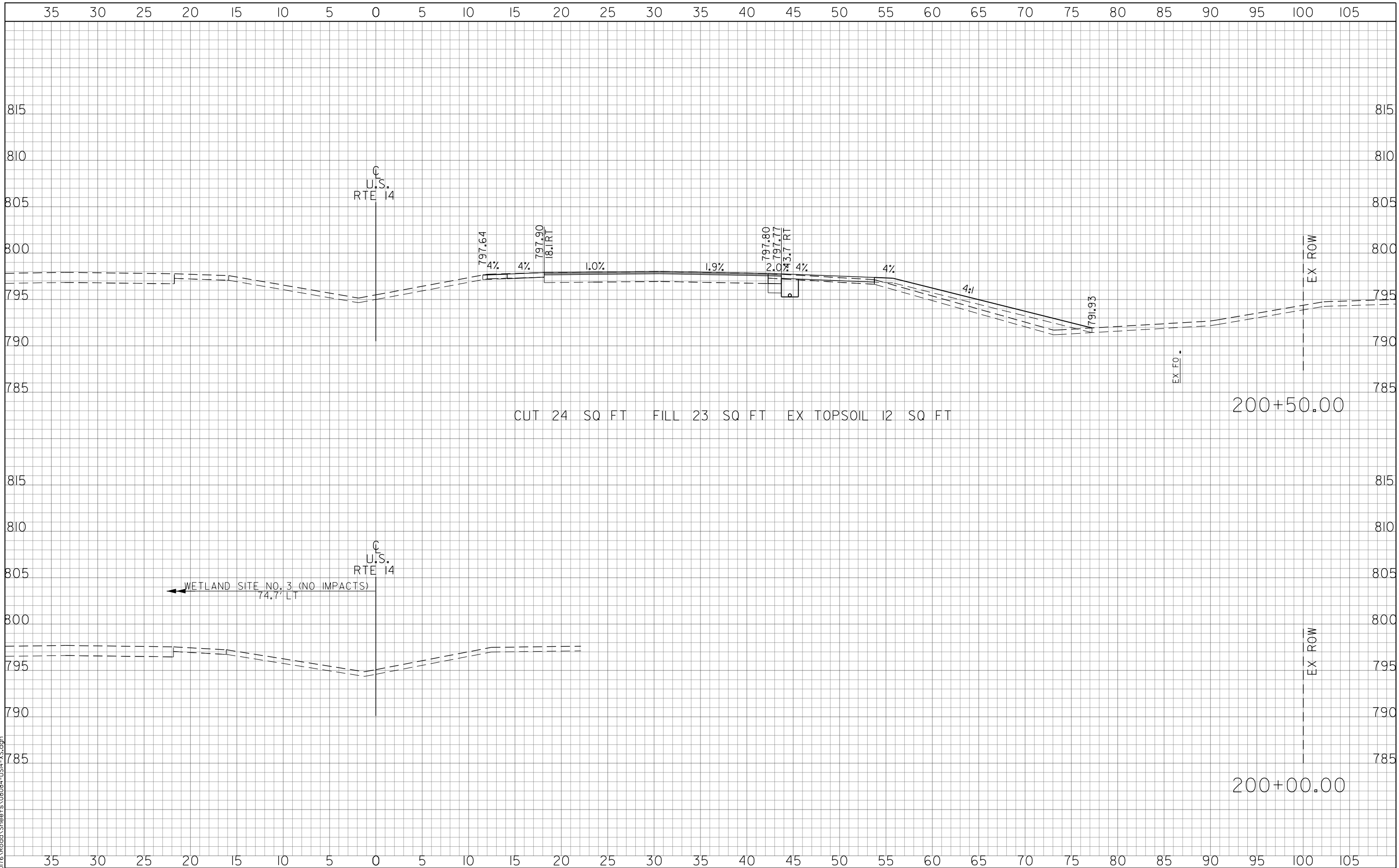
SCALE: H: 1/20 V: 1/10 SHEET 51 OF 51 SHEETS STA. 124+00.00 TO STA. 124+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	377
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

SCALE: H: 1/20
V: 1/10

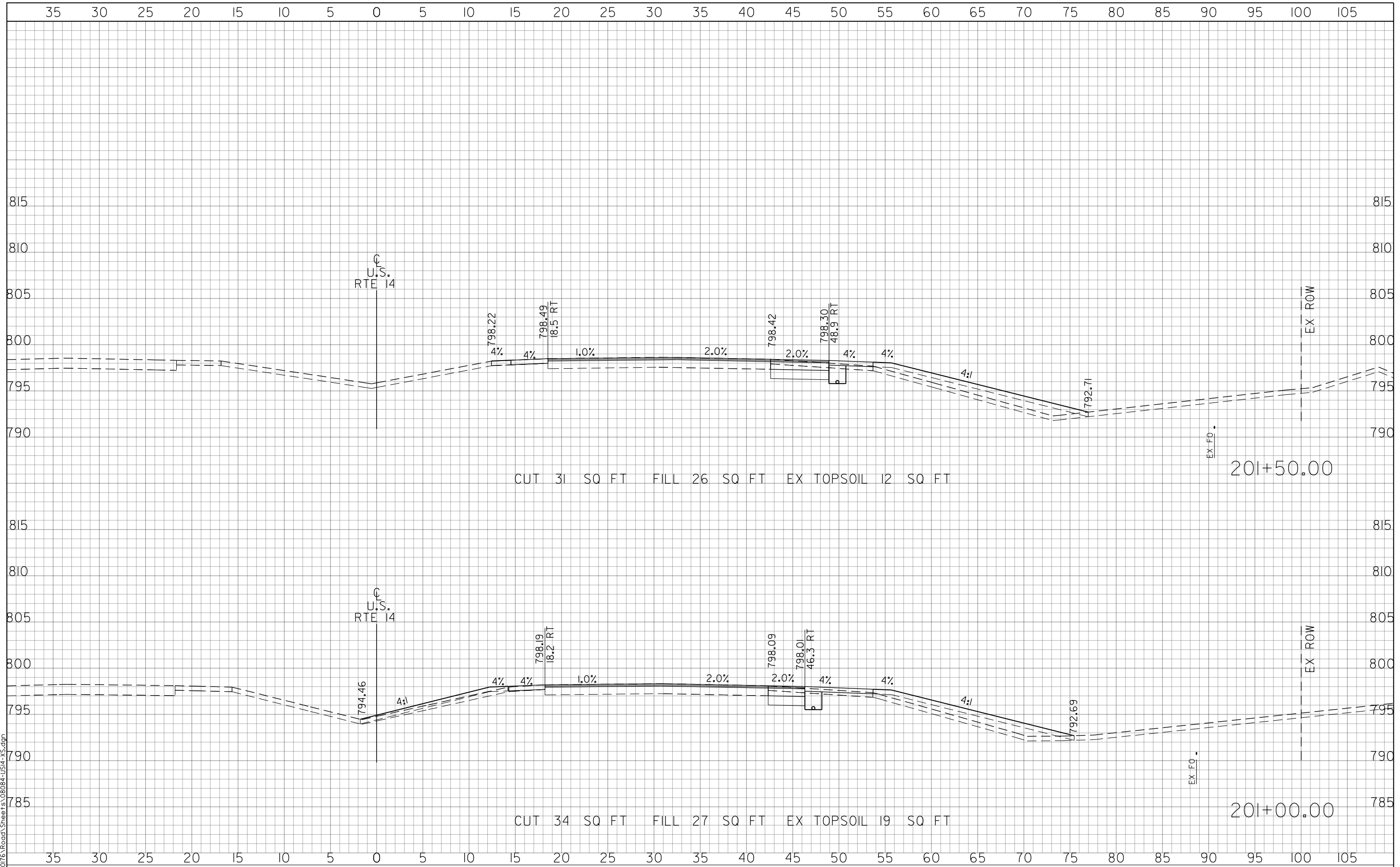
SHEET 1 OF 46 SHEETS STA. 200+00.00 TO STA. 200+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 378
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

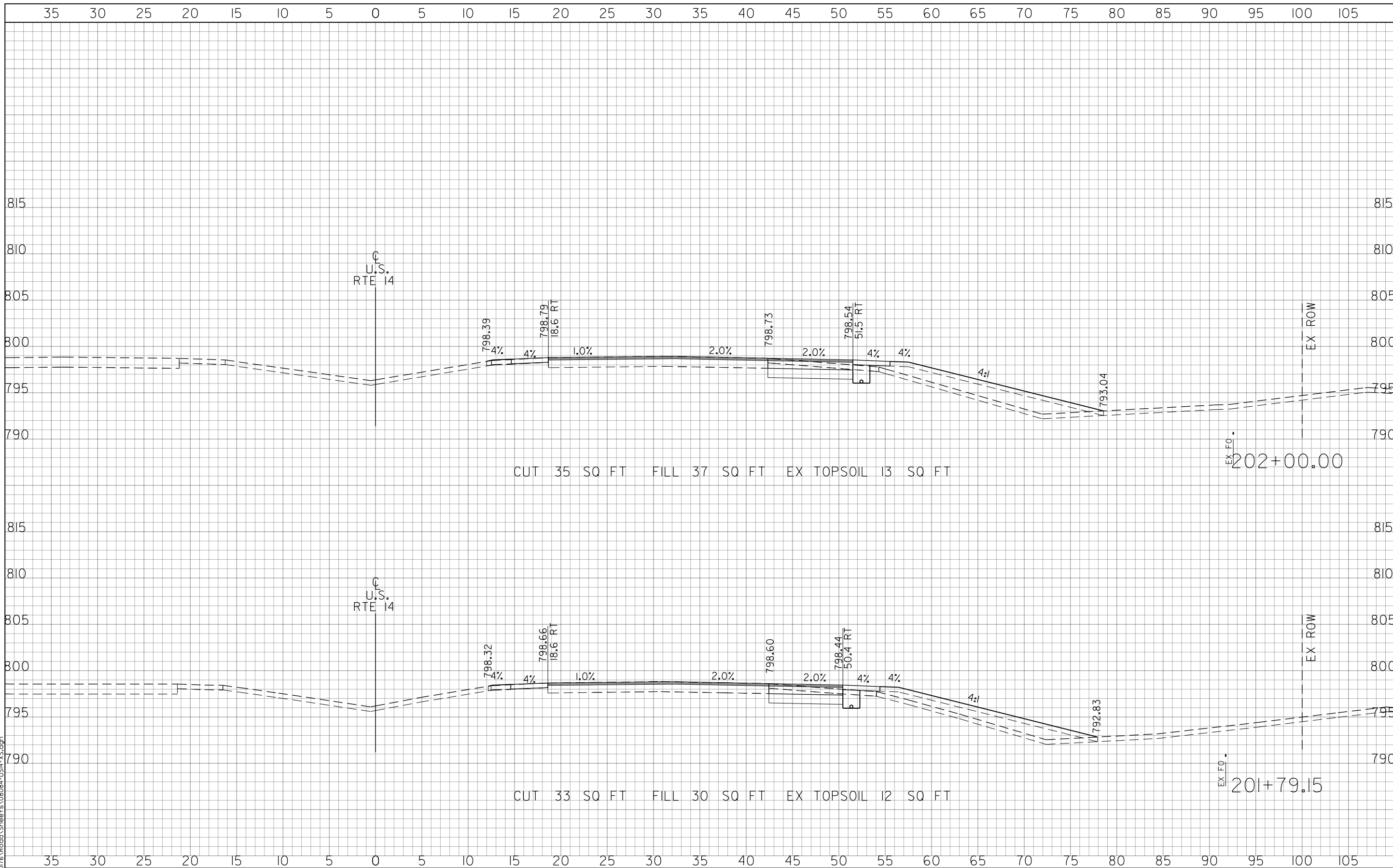
SCALE: H: 1/20 V: 1/10 SHEET 2 OF 46 SHEETS STA. 201+00.00 TO STA. 201+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 379
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

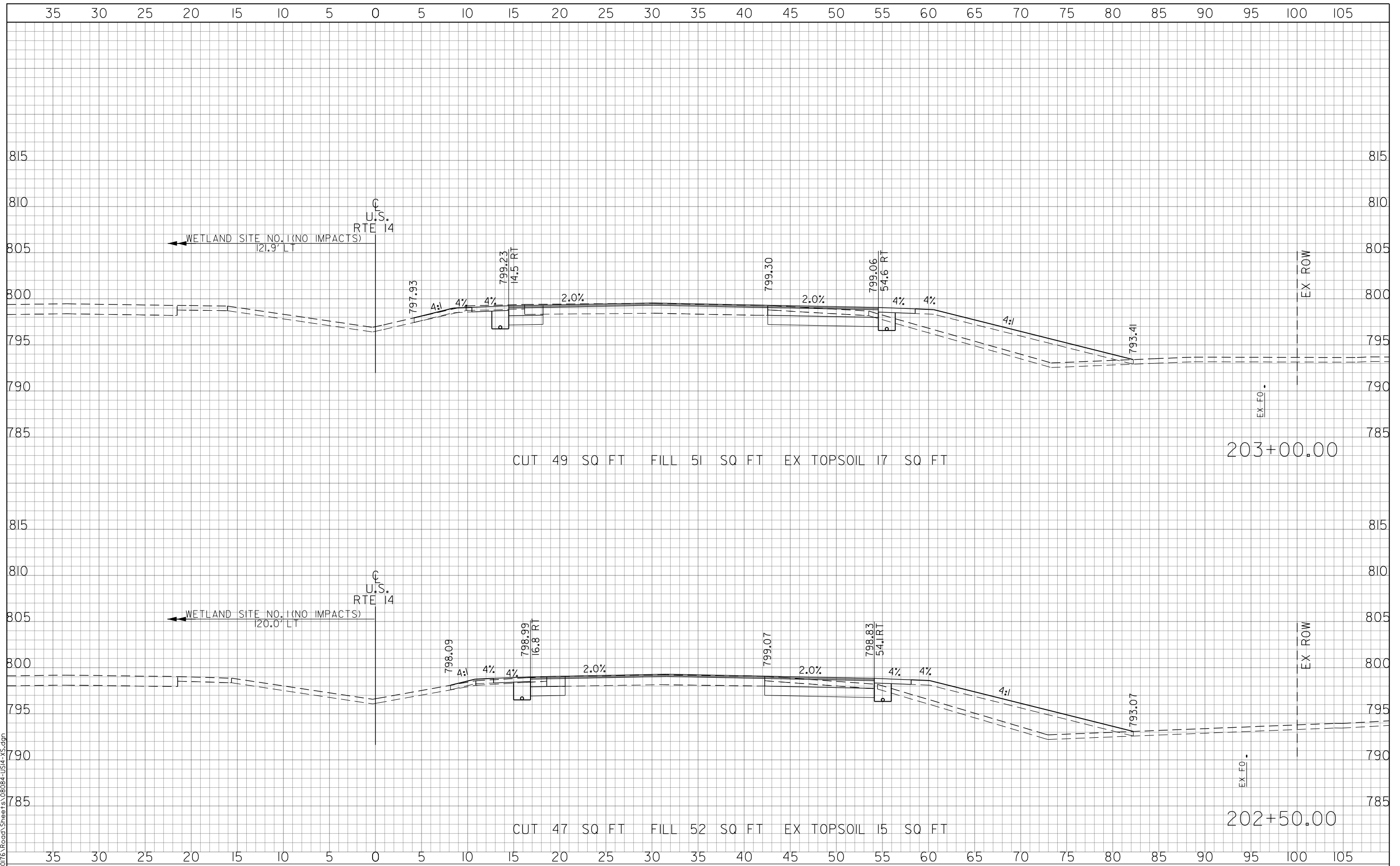
SCALE: H: 1/2" = 10' V: 1/4" = 10' SHEET 3 OF 46 SHEETS STA. 201+79.15 TO STA. 202+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 380
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

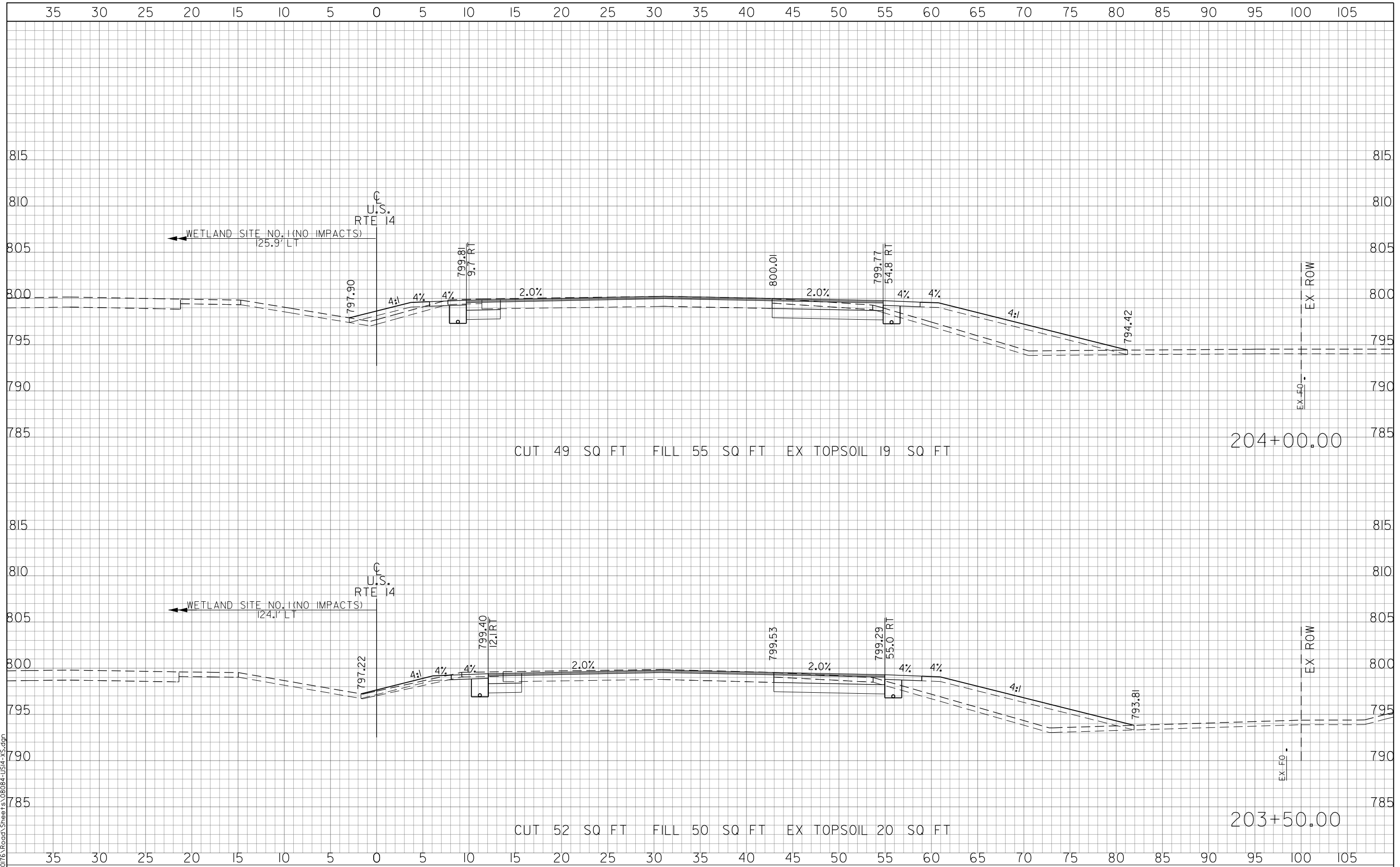
SCALE: H: 1/20 V: 1/10 SHEET 4 OF 46 SHEETS STA. 202+50.00 TO STA. 203+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 381
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

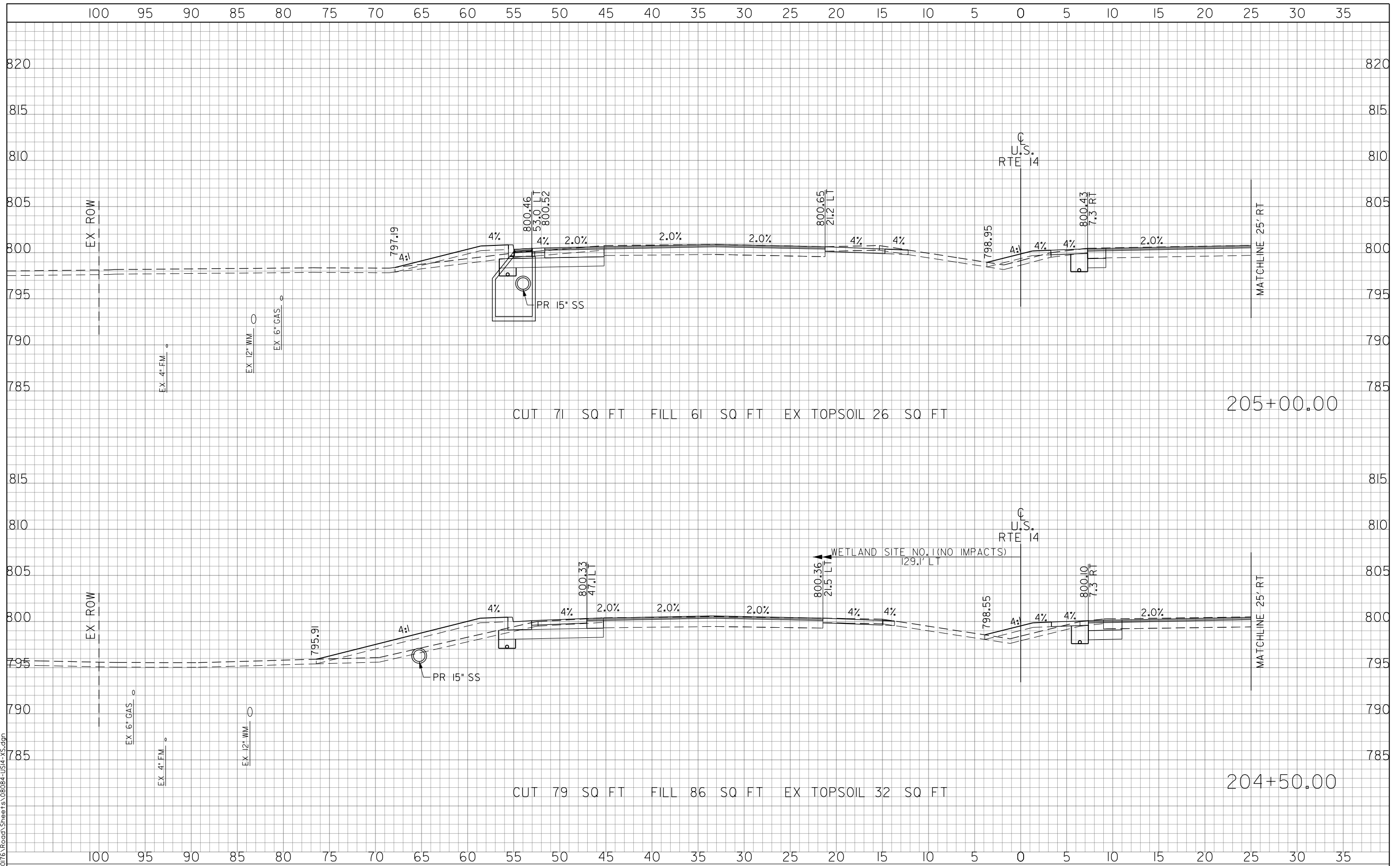
SCALE: H: 1/2" = 10' V: 1/8" = 10'
 SHEET 5 OF 46 SHEETS STA. 203+50.00 TO STA. 204+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 382
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / 1\"/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

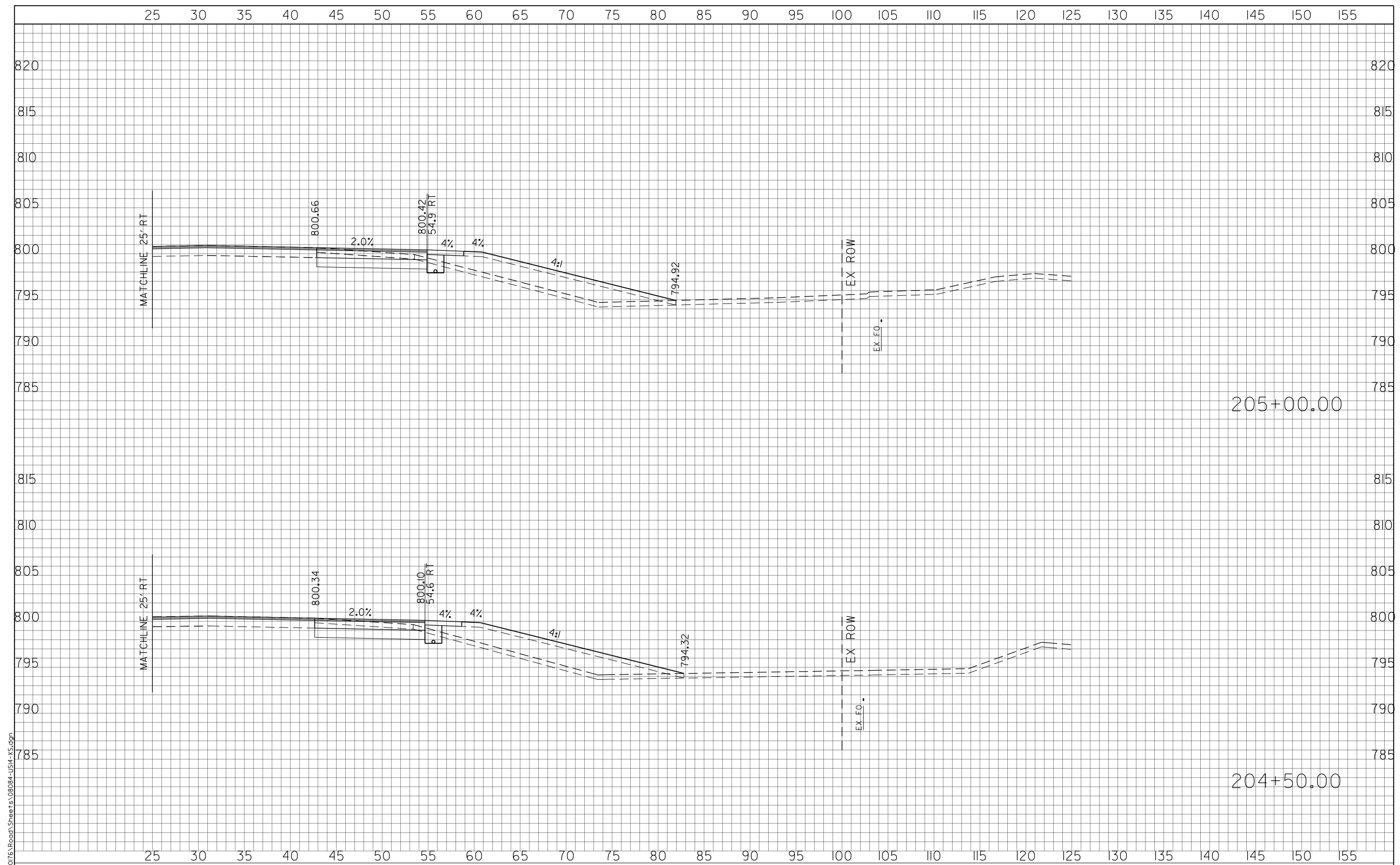
US ROUTE 14 CROSS SECTIONS

SCALE: H: 1/20 V: 1/10 SHEET 6 OF 46 SHEETS STA. 204+50.00 TO STA. 205+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 383
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT

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

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



FILE NAME: G:\CH09\0176\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

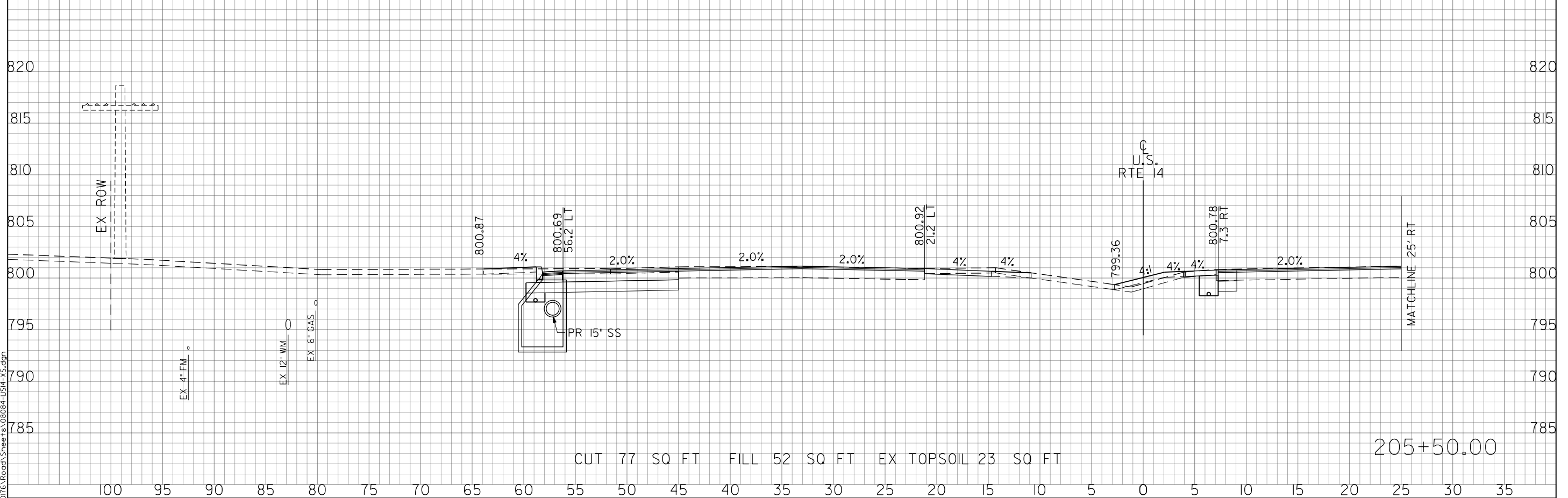
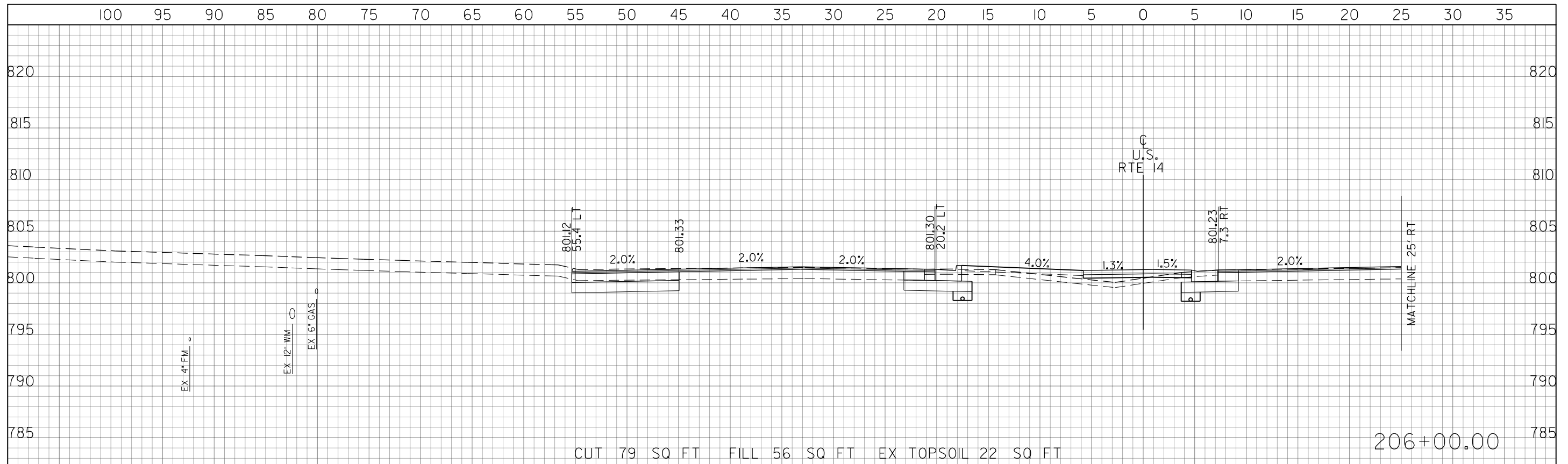
SCALE: H: 1/2" = 10' V: 1/8" = 10' SHEET 7 OF 46 SHEETS STA. 204+50.00 TO STA. 205+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 384
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

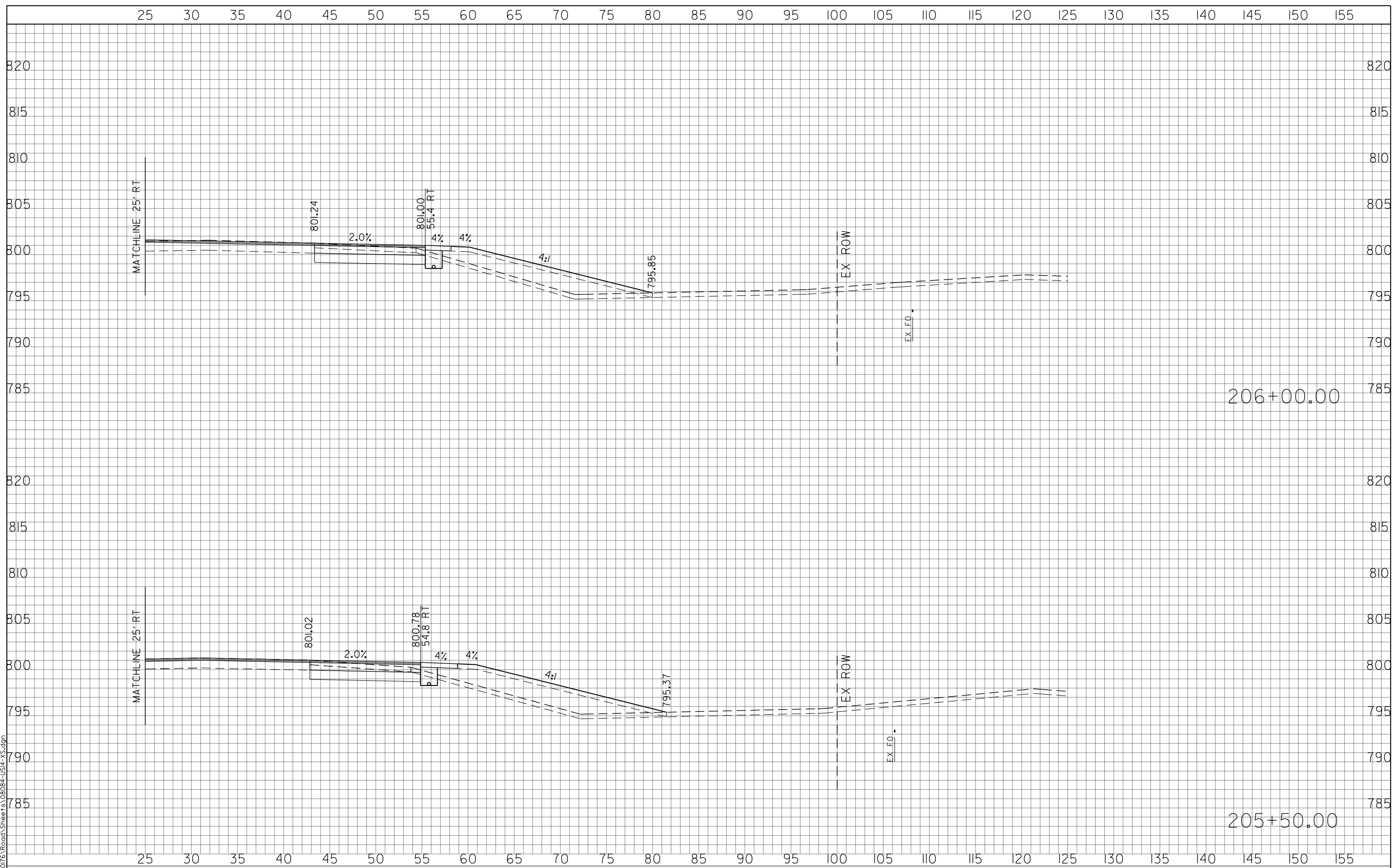
US ROUTE 14 CROSS SECTIONS	
SCALE: H: 1/20 V: 1/10	SHEET 8 OF 46 SHEETS
STA. 205+50.00 TO STA. 206+00.00	

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 385
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\0176\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

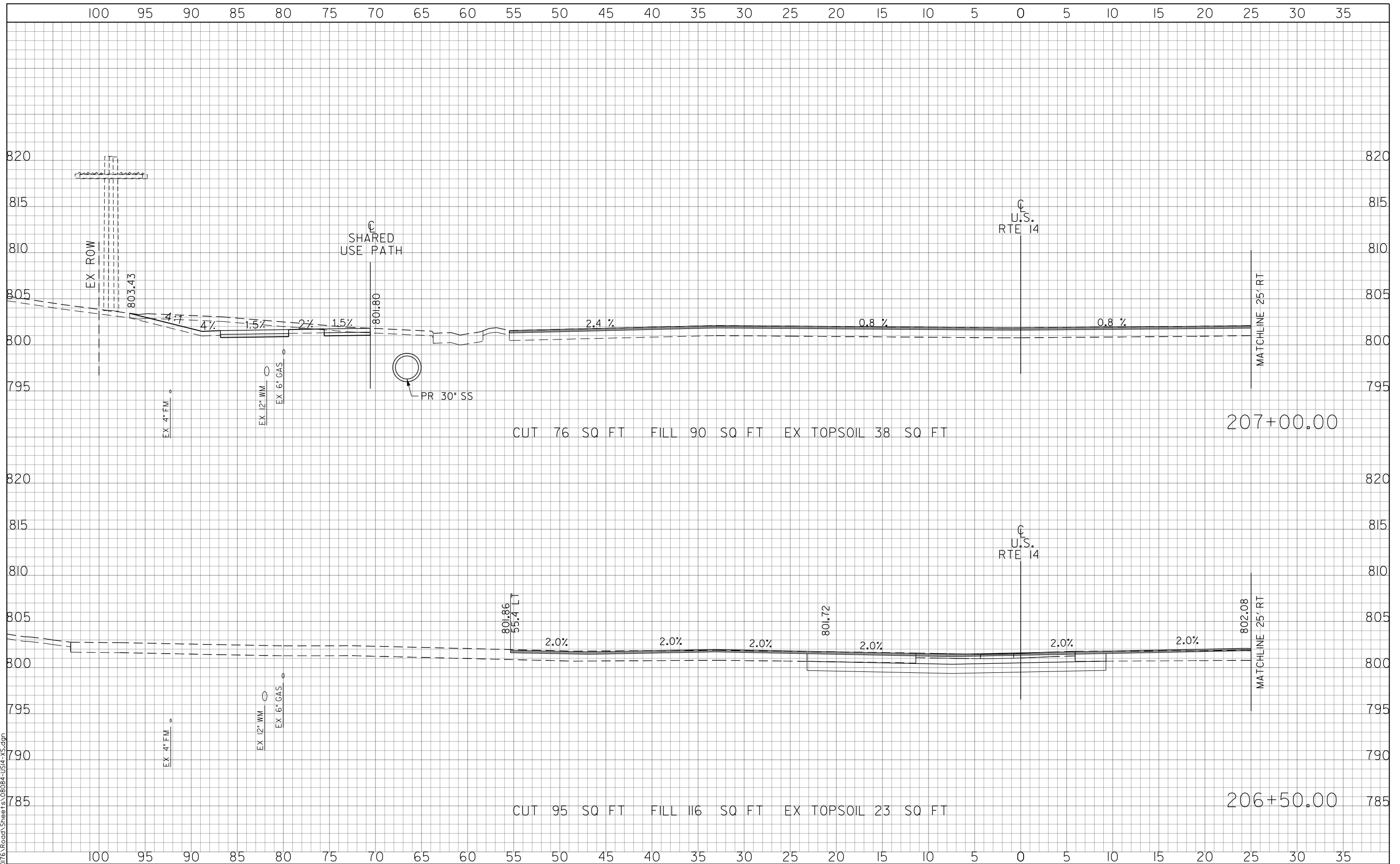
US ROUTE 14 CROSS SECTIONS	
SCALE: H: 1/2" = 10'	V: 1/4" = 10'
SHEET 9 OF 46 SHEETS	STA. 205+50.00 TO STA. 206+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 386
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



CUT 76 SQ FT FILL 90 SQ FT EX TOPSOIL 38 SQ FT

CUT 95 SQ FT FILL 116 SQ FT EX TOPSOIL 23 SQ FT



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

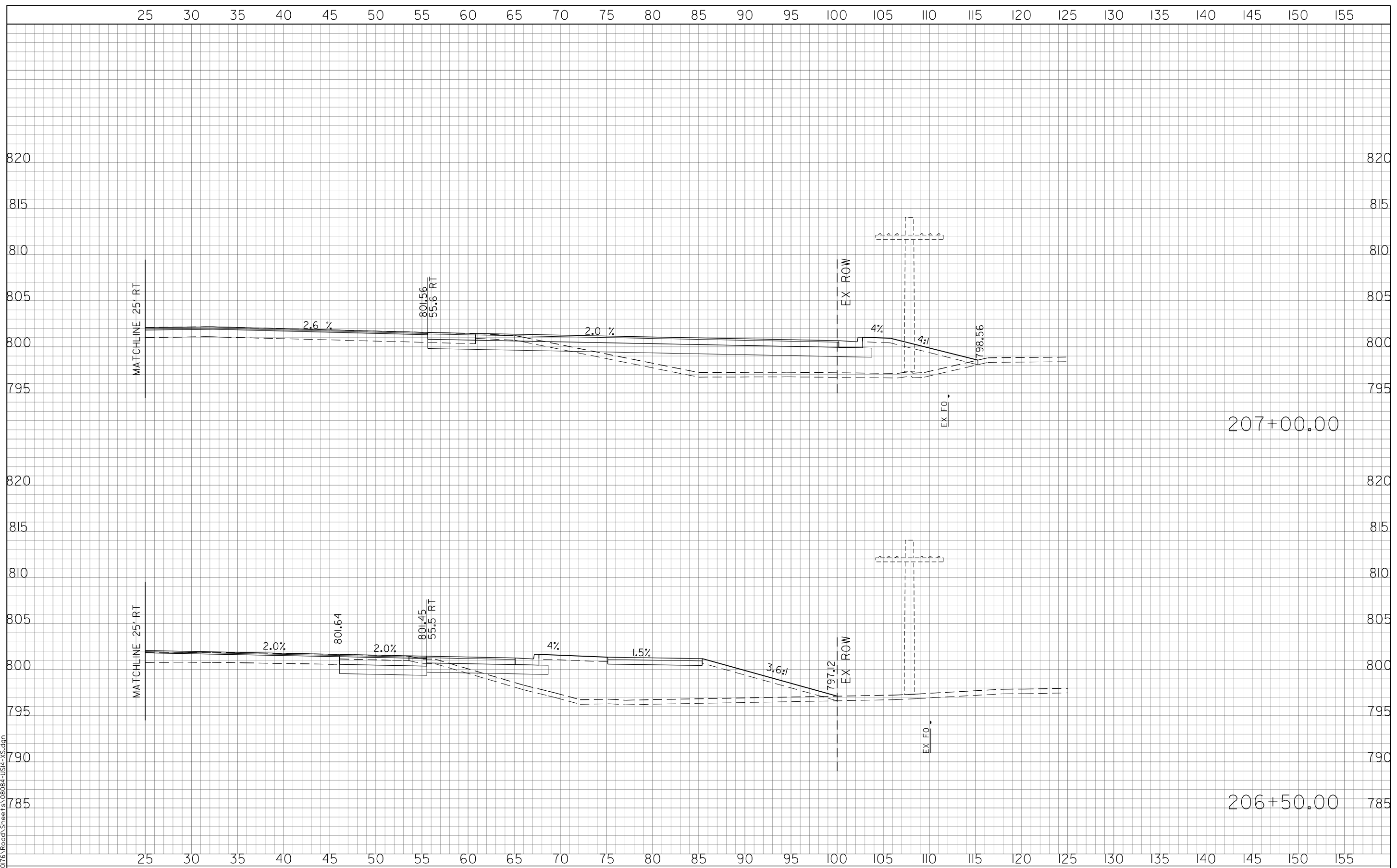
SCALE: H: 1/20 V: 1/10 SHEET 10 OF 46 SHEETS STA. 206+50.00 TO STA. 207+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 387
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT

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

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

FILE NAME: G:\CH09\0176\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

SCALE: H: 1/2" = 10' V: 1/4" = 10'

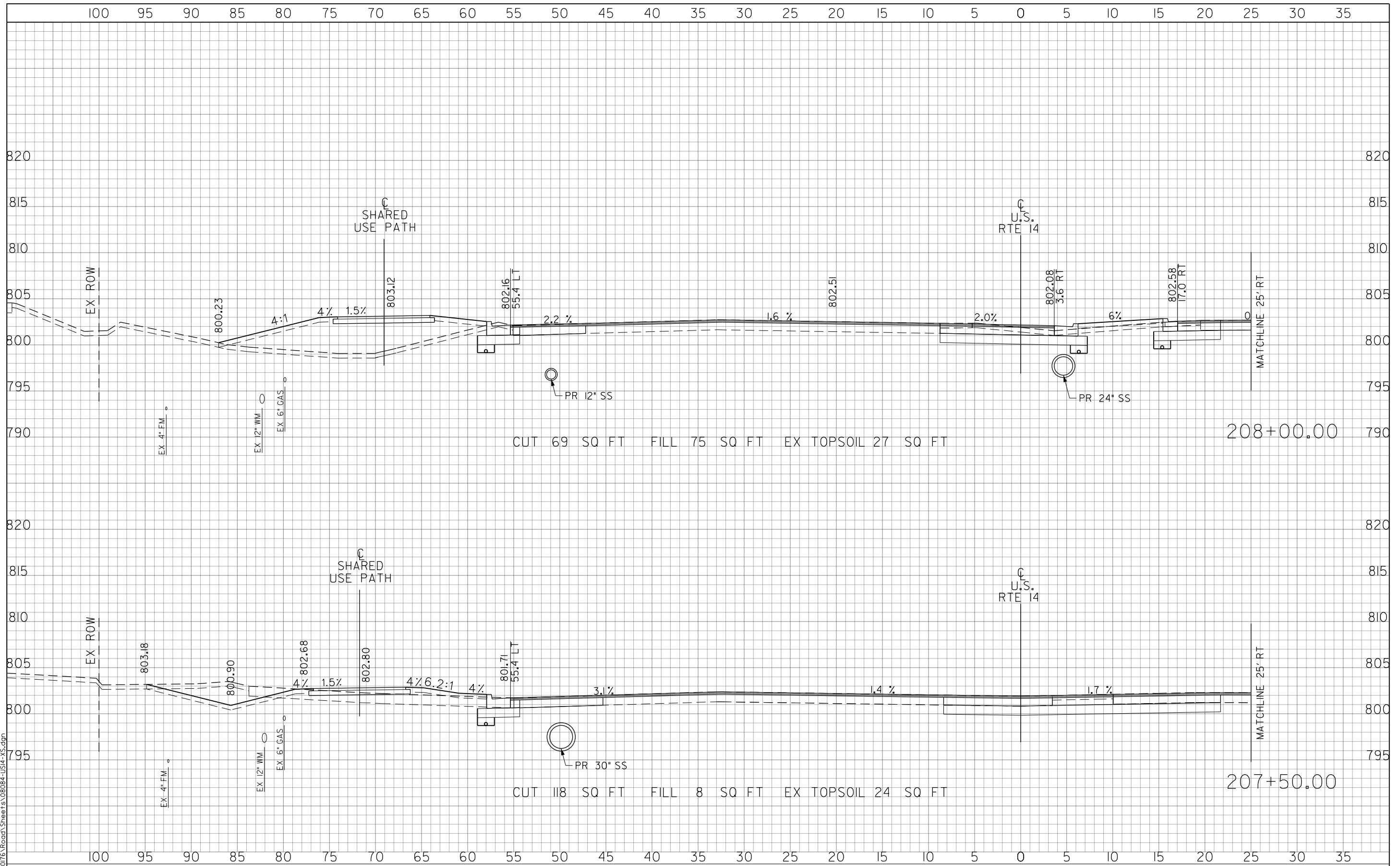
SHEET II OF 46 SHEETS STA. 206+50.00 TO STA. 207+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 388
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

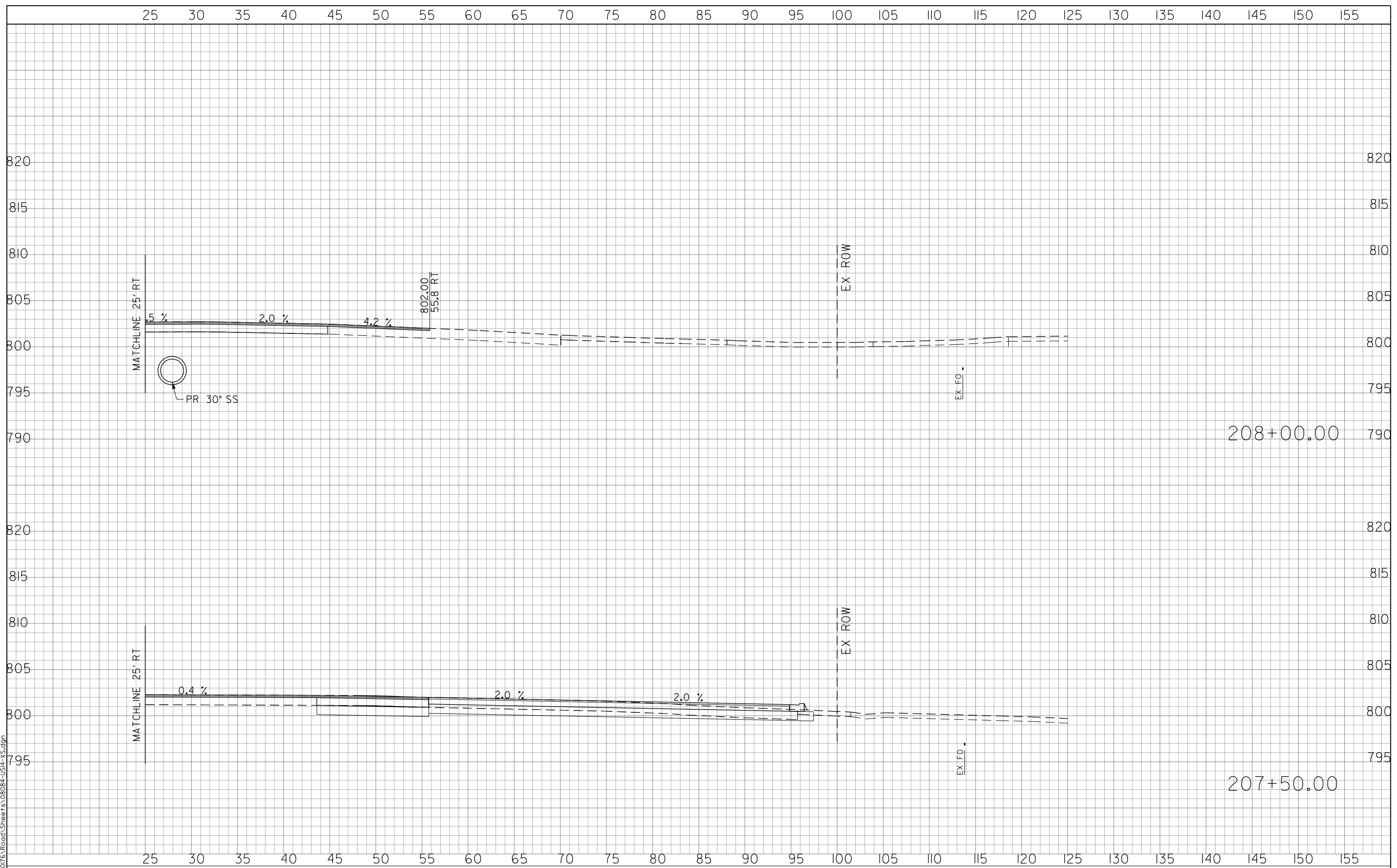
SCALE: H: V: 1:20 1:10
SHEET 12 OF 46 SHEETS STA. 207+50.00 TO STA. 208+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 389
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT

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

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

FILE NAME: G:\CH09\0176_Road\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

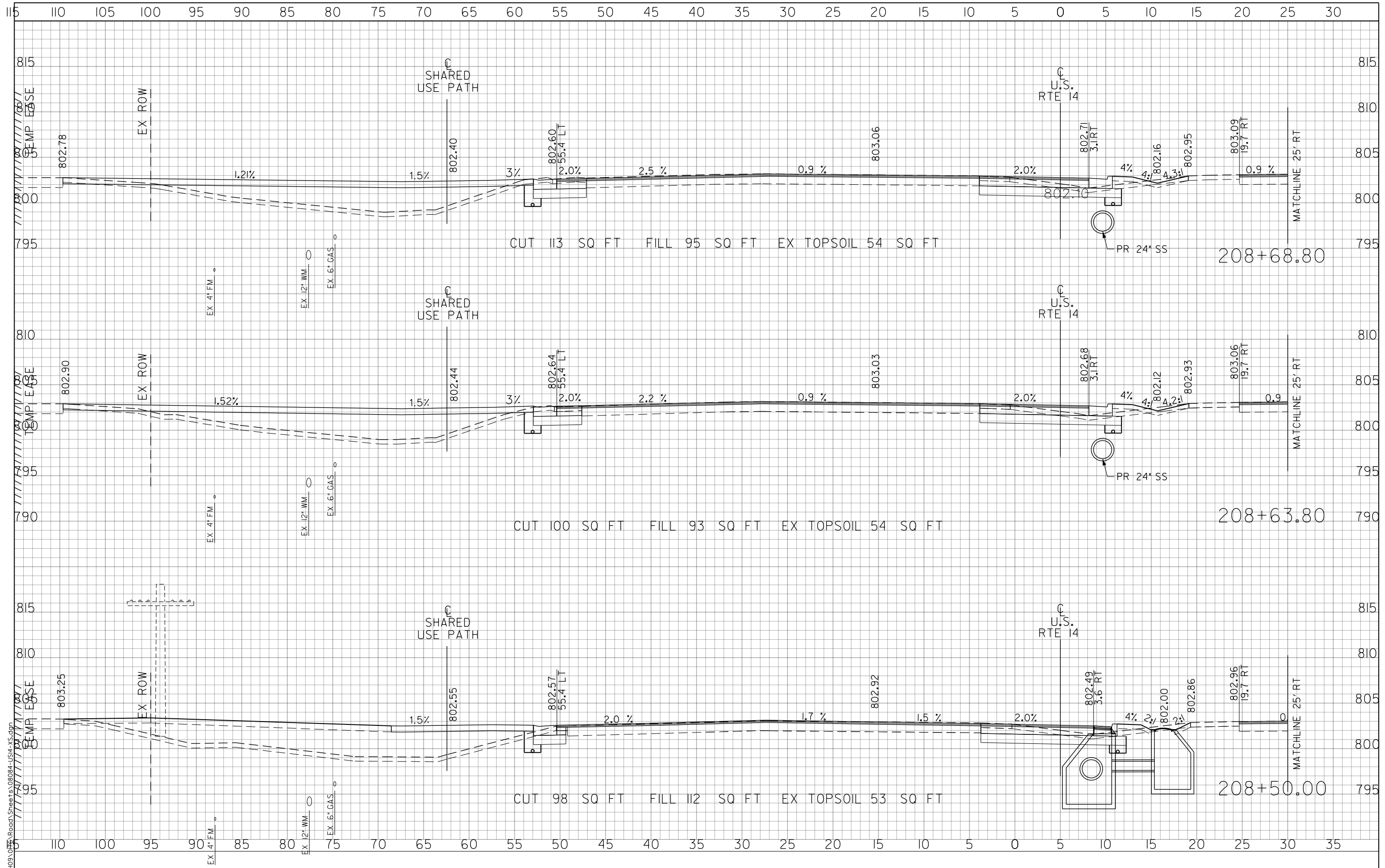
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

SCALE: H: 1/2" = 10' V: 1/8" = 10'

SHEET 13 OF 46 SHEETS STA. 207+50.00 TO STA. 208+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	390
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\015\Road\Sheets\08084-US14-XS.dwg



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

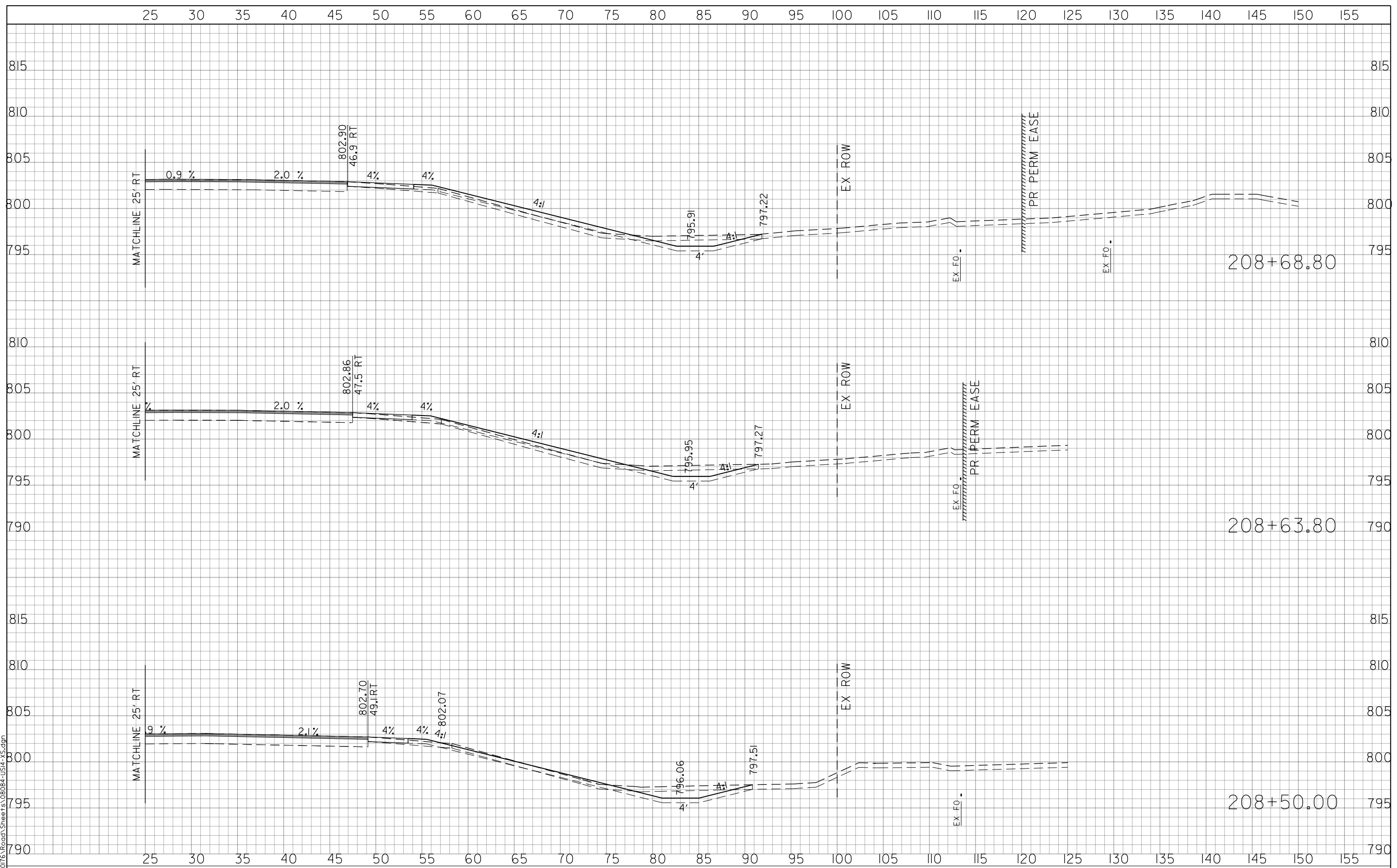
US ROUTE 14 CROSS SECTIONS	
SCALE: H: 1/2" = 20' V: 1/4" = 10'	SHEET 14 OF 46 SHEETS STA. 208+50.00 TO STA. 208+63.80

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 391
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\0176\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

SCALE: H: 1/2" = 20' V: 1/8" = 10'

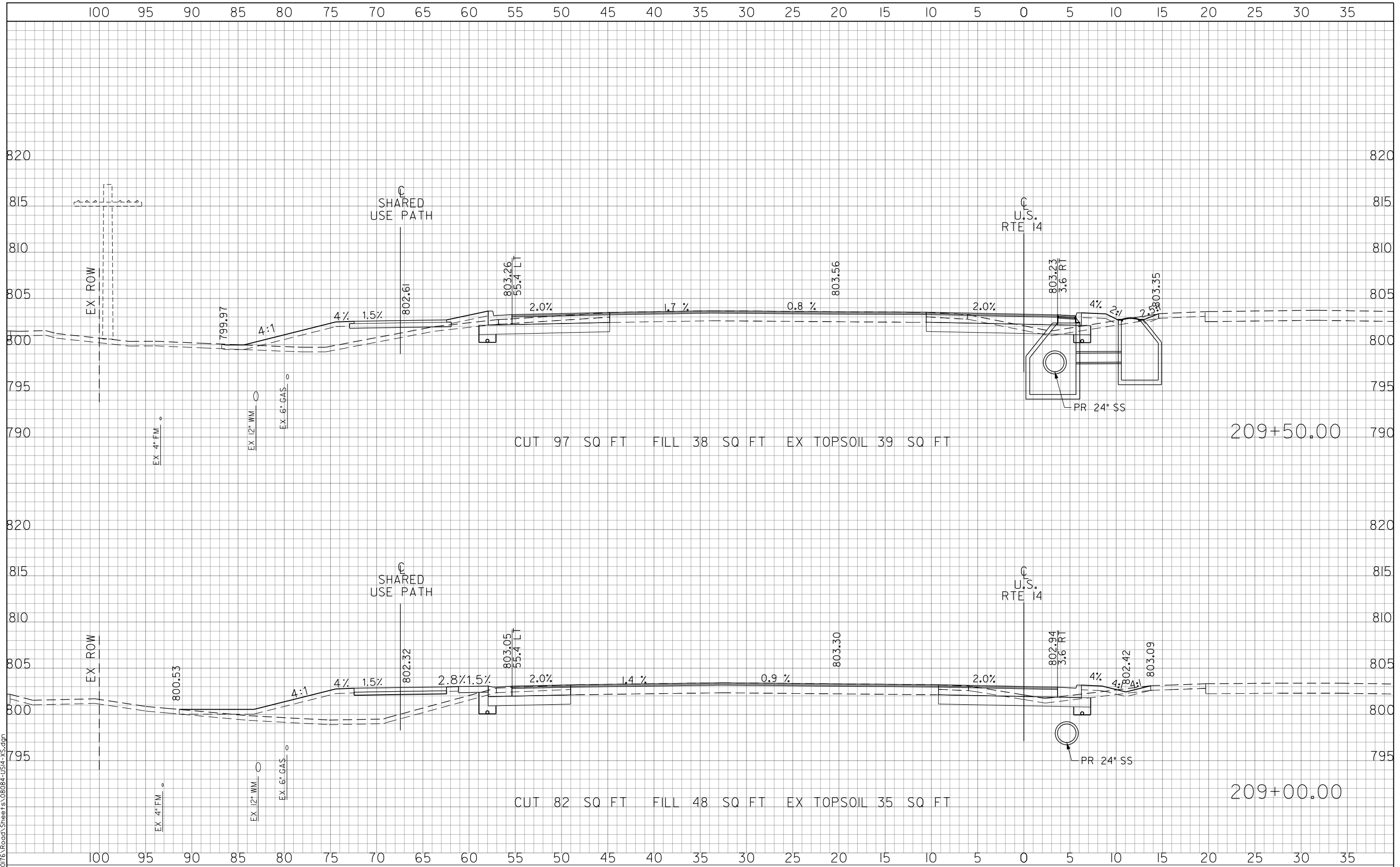
SHEET 15 OF 46 SHEETS STA. 208+50.00 TO STA. 208+63.80

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 392
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

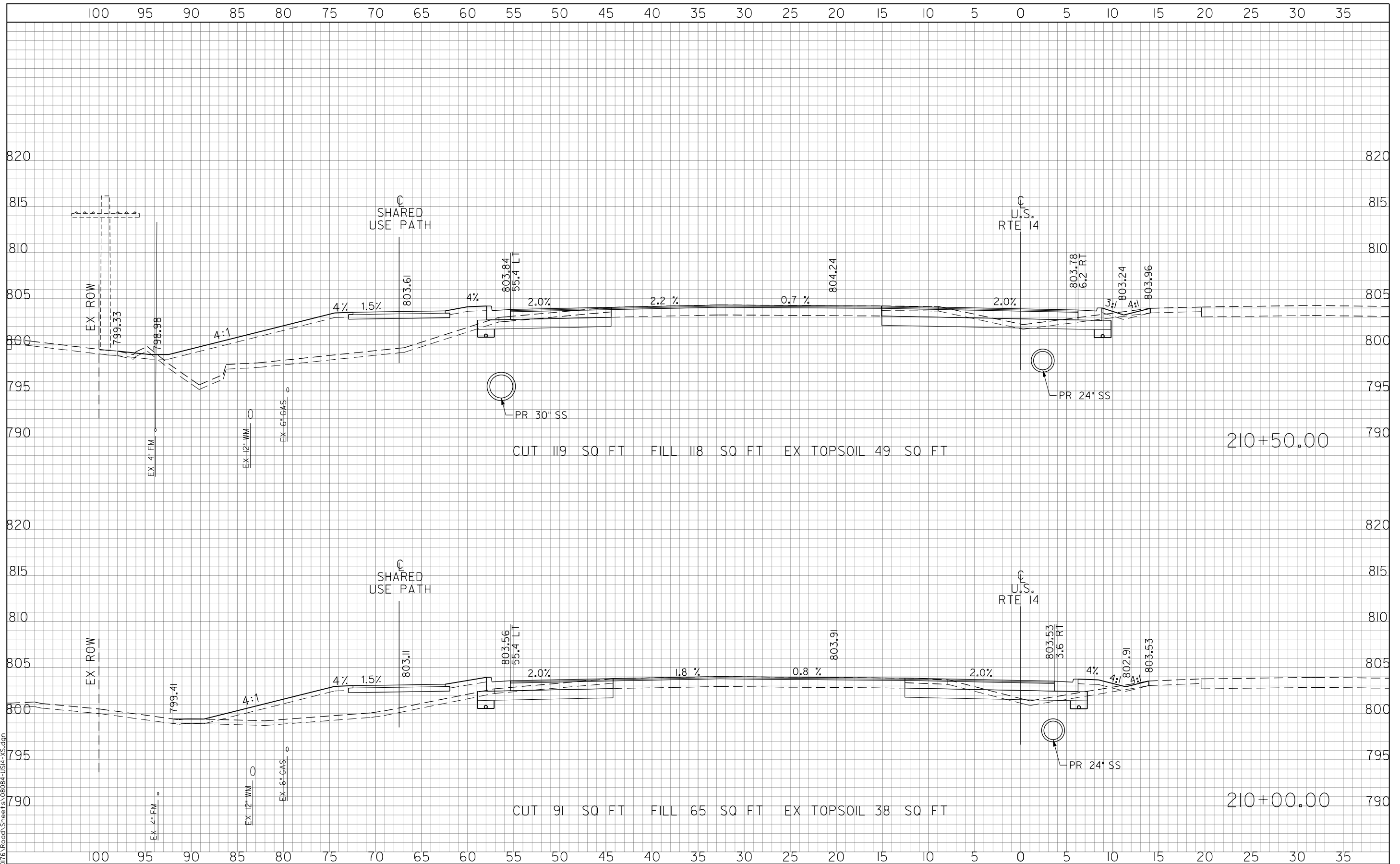
US ROUTE 14 CROSS SECTIONS	
SCALE: H: 1/2" = 10'	V: 1/4" = 10'
SHEET 16 OF 46 SHEETS	STA. 209+00.00 TO STA. 209+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 393
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

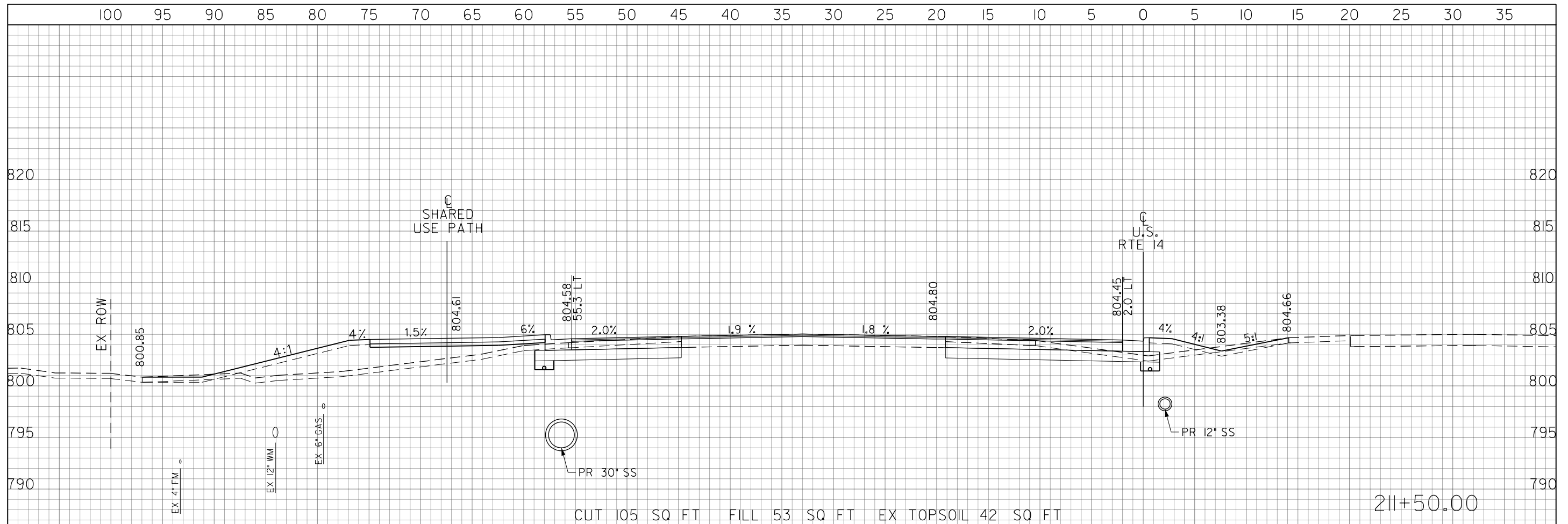
SCALE: H: V: 1/2" = 10' / 1" = 10'
SHEET 17 OF 46 SHEETS STA. 210+00.00 TO STA. 210+50.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 394
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

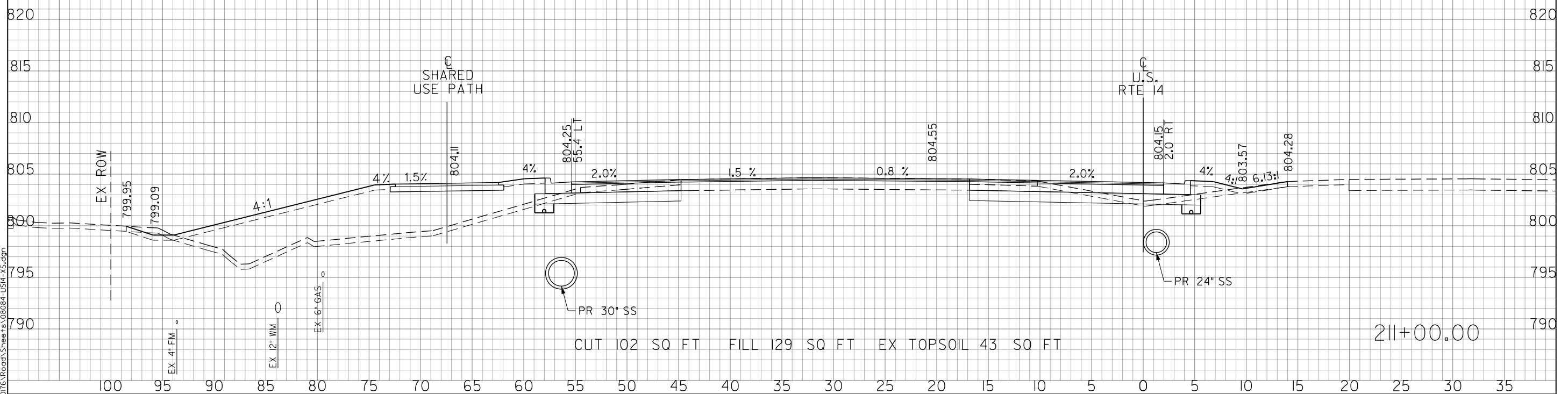
ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



CUT 105 SQ FT FILL 53 SQ FT EX TOPSOIL 42 SQ FT

211+50.00



CUT 102 SQ FT FILL 129 SQ FT EX TOPSOIL 43 SQ FT

211+00.00



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / 1\"/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 CROSS SECTIONS

SCALE: H: 1/20
V: 1/10

SHEET 18 OF 46 SHEETS

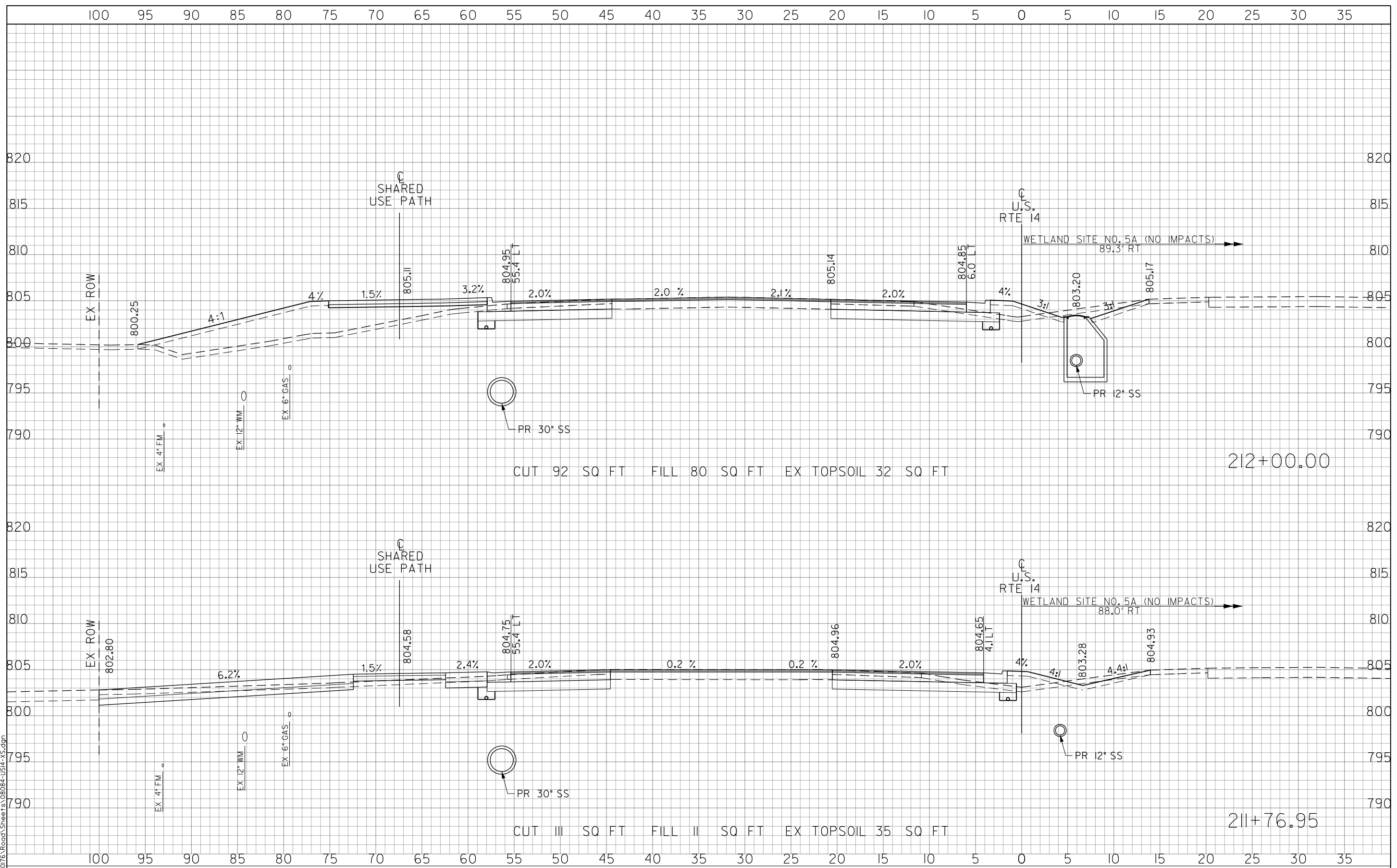
STA. 211+00.00 TO STA. 211+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	395
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



CUT 92 SQ FT FILL 80 SQ FT EX TOPSOIL 32 SQ FT

212+00.00

CUT III SQ FT FILL II SQ FT EX TOPSOIL 35 SQ FT

211+76.95



USER NAME = amkidd	DESIGNED - JLW	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 CROSS SECTIONS

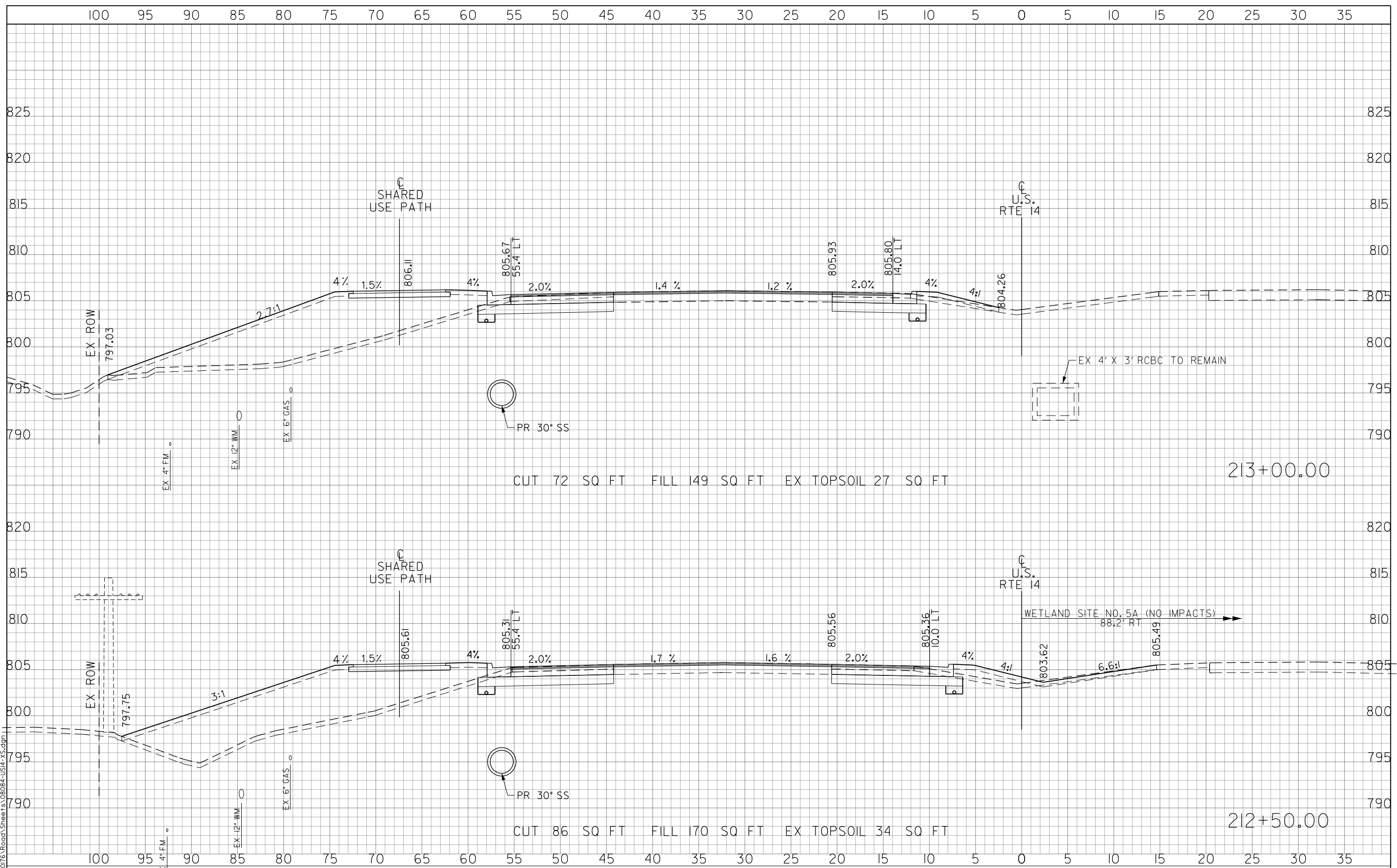
SCALE: H: 1/20 V: 1/10 SHEET 19 OF 46 SHEETS STA. 211+76.95 TO STA. 212+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 396
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
NO. _____	BY _____
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NO. _____	BY _____
NOTE BOOK	
AREAS CHECKED	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

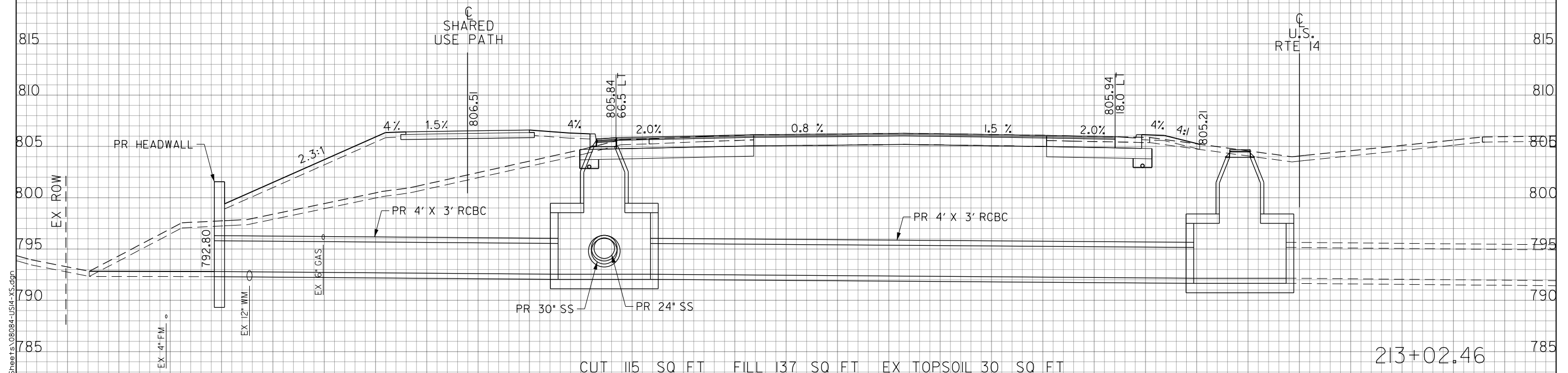
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS	
SCALE: H: 1/20 V: 1/10	SHEET 20 OF 46 SHEETS STA. 212+50.00 TO STA. 213+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 397
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

125 120 115 110 105 100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25

825 820 815 810 805 800 795 790 785



125 120 115 110 105 100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25

FINAL SURVEY NOTE BOOK NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED BY	DATE

FILE NAME: G:\CH09\070\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

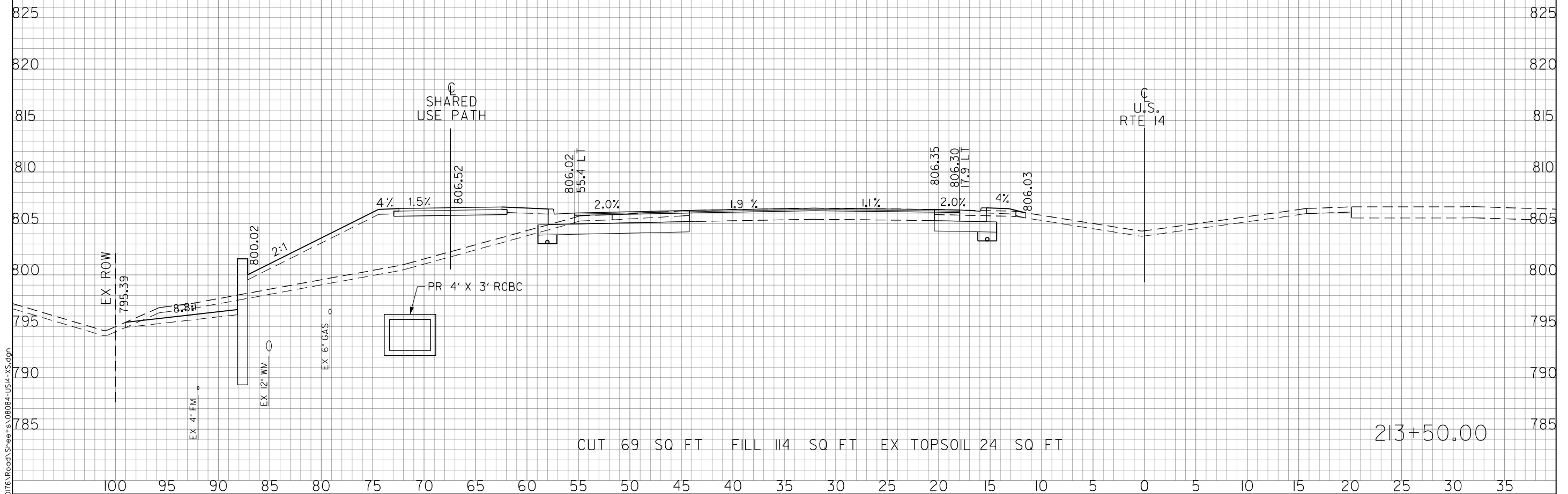
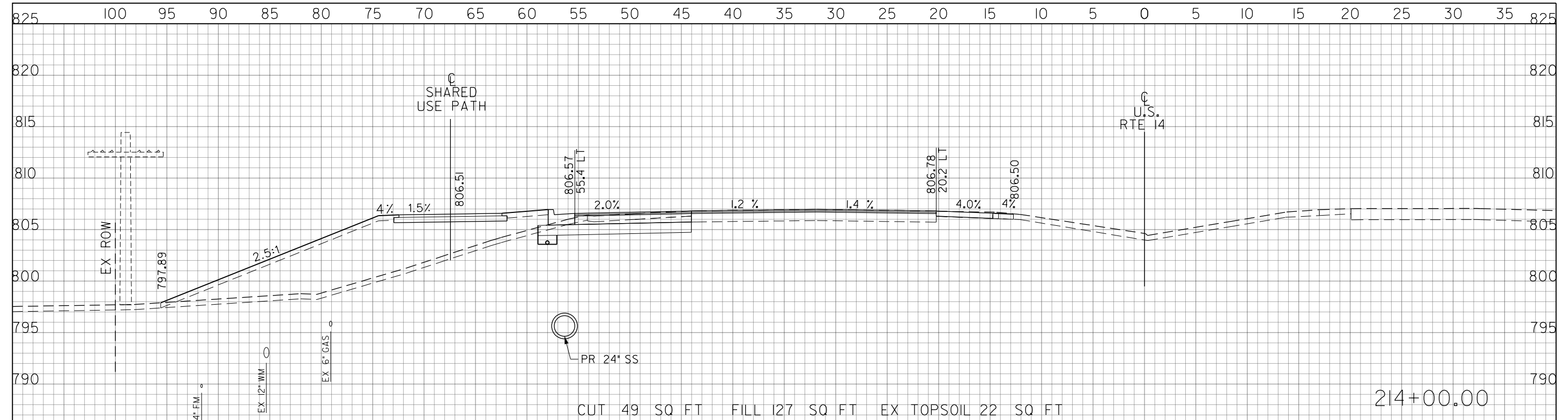
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 CROSS SECTIONS	
SCALE: H: 1/2" = 10'	V: 1/10"
SHEET 21 OF 46 SHEETS	STA. 213+02.46 TO STA. 213+02.46

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 398
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

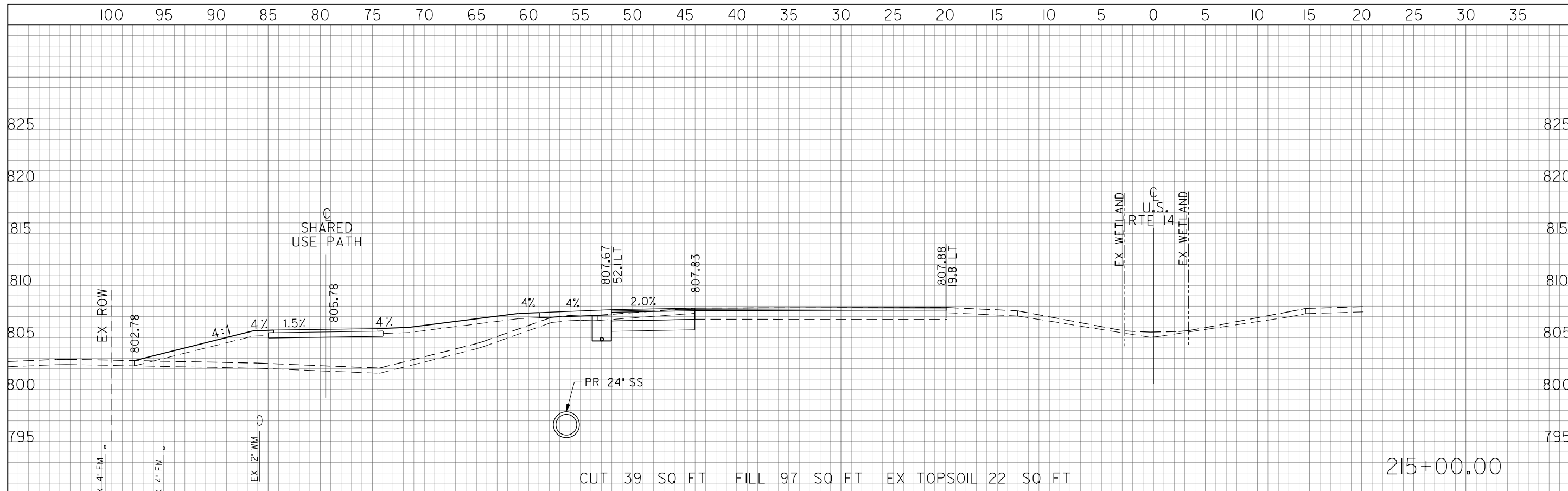
SCALE: H: 1/2" = 10'	SHEET 22 OF 46 SHEETS	STA. 213+50.00 TO STA. 214+00.00
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FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 399
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

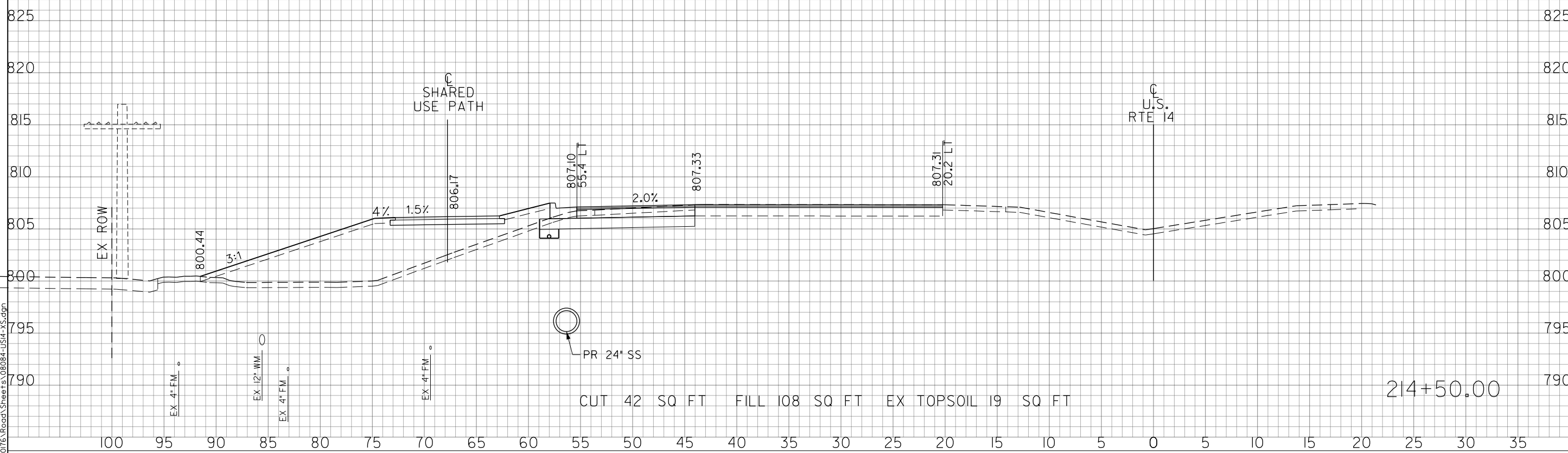
ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME: G:\CH09\016\Road\Sheets\08084-US14-XS.dgn



CUT 39 SQ FT FILL 97 SQ FT EX TOPSOIL 22 SQ FT

215+00.00



CUT 42 SQ FT FILL 108 SQ FT EX TOPSOIL 19 SQ FT

214+50.00



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 10.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 14 CROSS SECTIONS

SCALE: H: V: 1:20 1:10 SHEET 23 OF 46 SHEETS STA. 214+50.00 TO STA. 215+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 400
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT