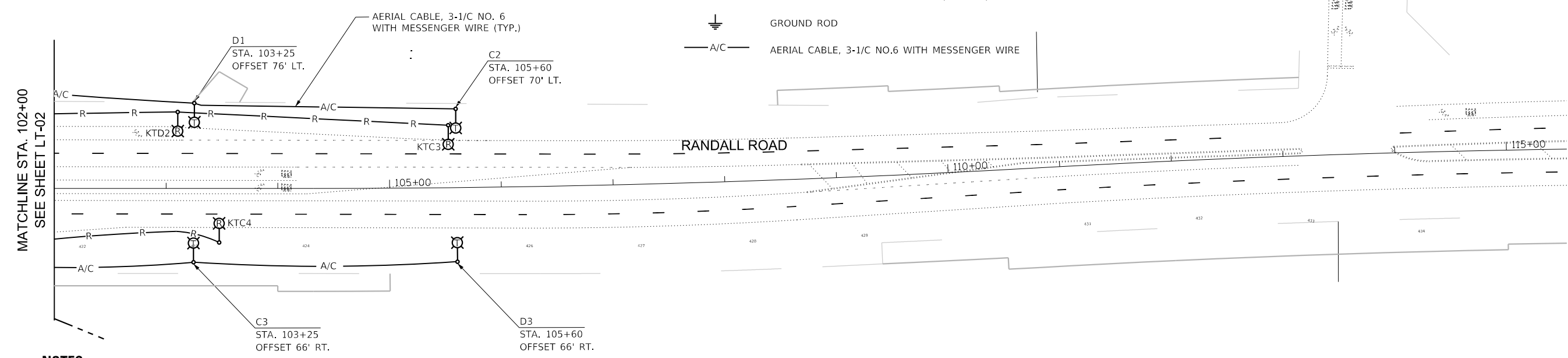
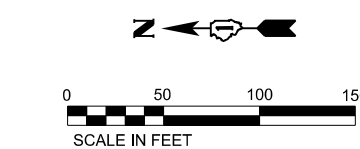


LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED AND SALVAGED WHEN TEMPORARY LIGHTING IS REMOVED.
- TEMPORARY WOOD POLE, 50 FT. MH, 15 FT. MAST ARM WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I
- PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I ON METAL FOUNDATION WITH BREAKAWAY DEVICE
- TEMPORARY WOOD POLE, 60 FT., CLASS 4
- EXISTING IDOT LIGHTING CONTROLLER "KT", SALVAGED
- PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
- EXISTING ELECTRIC SERVICE
- PROPOSED ELECTRIC SERVICE 240/480V, SINGLE PHASE, 3WIRE
- UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- EXISTING UNIT DUCT TO BE REMOVED
- UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA. WITH UNIT DUCT
- ELECTRICAL CABLE IN CONDUIT 3-1/C NO. 1/0
- GROUND ROD
- AERIAL CABLE, 3-1/C NO.6 WITH MESSENGER WIRE

NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. THE TEMPORARY LIGHTING UNITS SHALL BE FED FROM THE EXISTING LIGHTING SYSTEM.
3. THE EXISTING LIGHTING UNITS TO BE REMOVED SHALL BE REMOVED WHEN THE TEMPORARY LIGHTING IS INSTALLED AND FULLY OPERATIONAL.
4. THE TEMPORARY LIGHTING SHALL BE REMOVED WHEN PROPOSED LIGHTING IS FULLY INSTALLED AND IS OPERATIONAL.



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. THE TEMPORARY LIGHTING UNITS SHALL BE FED FROM THE EXISTING LIGHTING SYSTEM.
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4. THE TEMPORARY LIGHTING SHALL BE REMOVED WHEN PROPOSED LIGHTING IS FULLY INSTALLED AND IS OPERATIONAL.

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














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 DEPARTMENT OF TRANSPORTATION**

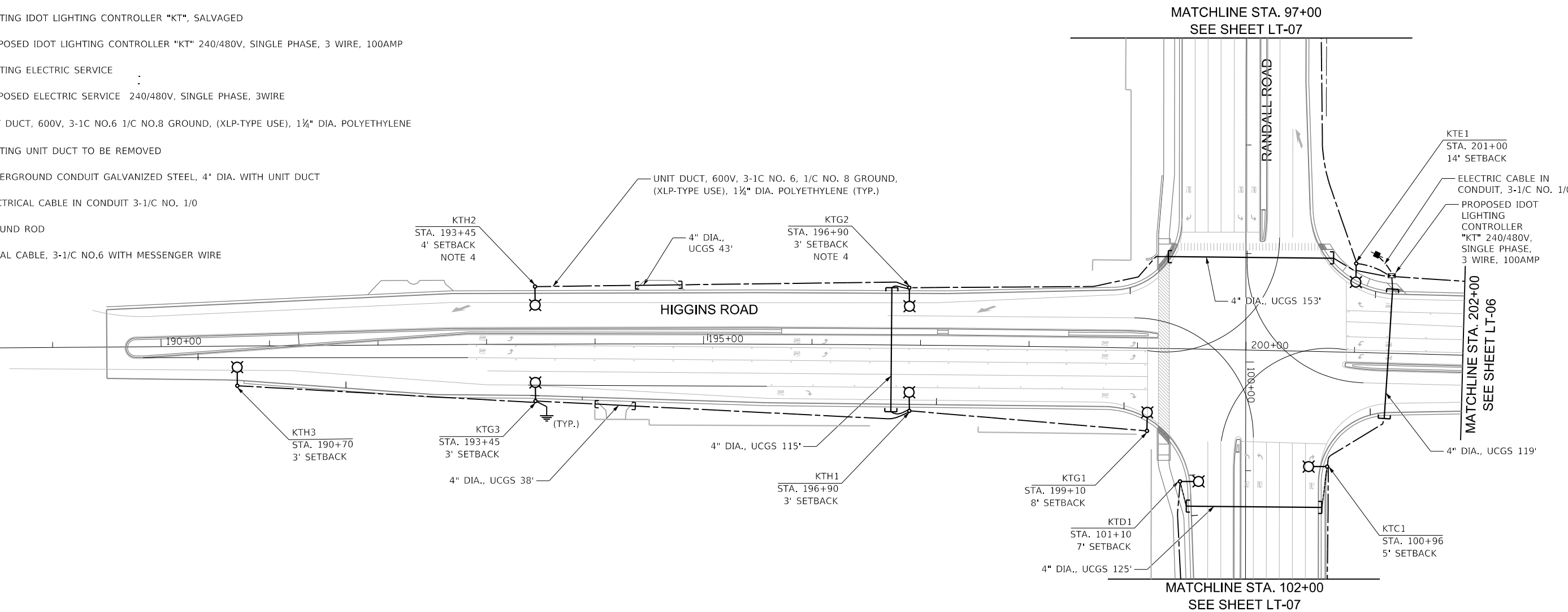
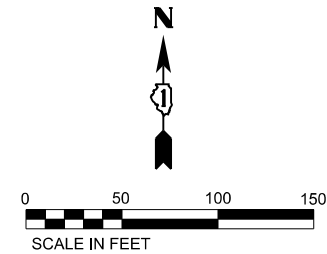
**REMOVAL/TEMPORARY LIGHTING PLAN
 RANDALL ROAD AT IL-72**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	201
CONTRACT NO.			61L28	
ILLINOIS FED. AID PROJECT				

LEGEND

-  EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
-  EXISTING LIGHTING UNIT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED AND SALVAGED WHEN TEMPORARY LIGHTING IS REMOVED.
-  TEMPORARY WOOD POLE, 50 FT. MH, 15 FT. MAST ARM WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I
-  PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I ON METAL FOUNDATION WITH BREAKAWAY DEVICE
-  TEMPORARY WOOD POLE, 60 FT., CLASS 4
-  EXISTING IDOT LIGHTING CONTROLLER "KT", SALVAGED
-  PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
-  EXISTING ELECTRIC SERVICE
-  PROPOSED ELECTRIC SERVICE 240/480V, SINGLE PHASE, 3WIRE
-  UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
-  EXISTING UNIT DUCT TO BE REMOVED
-  UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA. WITH UNIT DUCT
-  ELECTRICAL CABLE IN CONDUIT 3-1/C NO. 1/0
-  GROUND ROD
-  A/C AERIAL CABLE, 3-1/C NO.6 WITH MESSENGER WIRE



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SETBACK IS FROM CENTER OF LIGHT POLE TO FACE OF CURB.
4. HOUSE SIDE SHIELD SHALL BE ADDED. THE COST OF THE SHIELD SHALL BE INCLUDED IN THE COST OF THE LUMINAIRE.
5. FOR COMBINATION LIGHTING PLAN, SEE SHEET LT-08.
6. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNS INSTALLED ON THE EXISTING LIGHT POLES ARE REINSTALLED ON THE PROPOSED LIGHT POLES.

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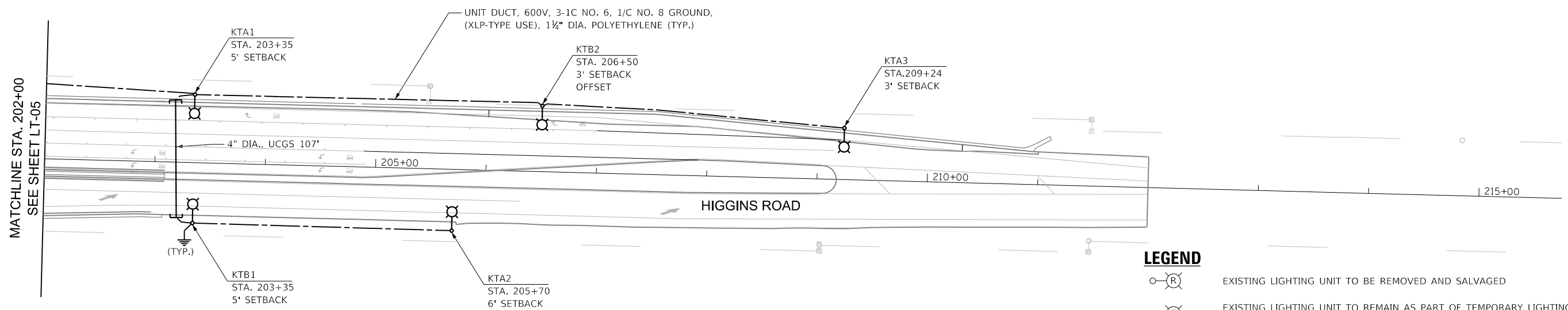
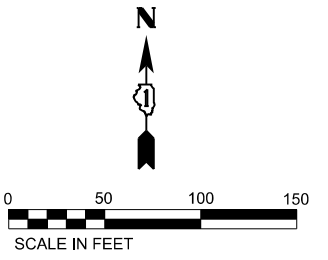
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	DATE - 02-12-2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 RANDALL ROAD AT IL-72**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	202
CONTRACT NO.			61L28	
SCALE:		SHEET OF SHEETS	STA.	TO STA.
		ILLINOIS FED. AID PROJECT		

LT-05



- NOTES:**
- FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
 - UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
 - SETBACK IS FROM CENTER OF LIGHT POLE TO FACE OF CURB.
 - OFFSET INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED AND SALVAGED WHEN TEMPORARY LIGHTING IS REMOVED.
- TEMPORARY WOOD POLE, 50 FT. MH, 15 FT. MAST ARM WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I
- PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I ON METAL FOUNDATION WITH BREAKAWAY DEVICE
- TEMPORARY WOOD POLE, 60 FT., CLASS 4
- EXISTING IDOT LIGHTING CONTROLLER "KT", SALVAGED
- PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
- EXISTING ELECTRIC SERVICE
- PROPOSED ELECTRIC SERVICE 240/480V, SINGLE PHASE, 3WIRE
- UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE (TYP.)
- EXISTING UNIT DUCT TO BE REMOVED
- UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA. WITH UNIT DUCT
- ELECTRICAL CABLE IN CONDUIT 3-1/C NO. 1/0
- GROUND ROD
- A/C

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 PLOT DATE: 7/11/2025

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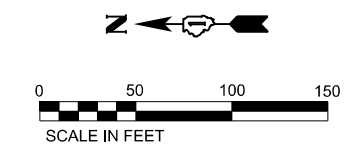
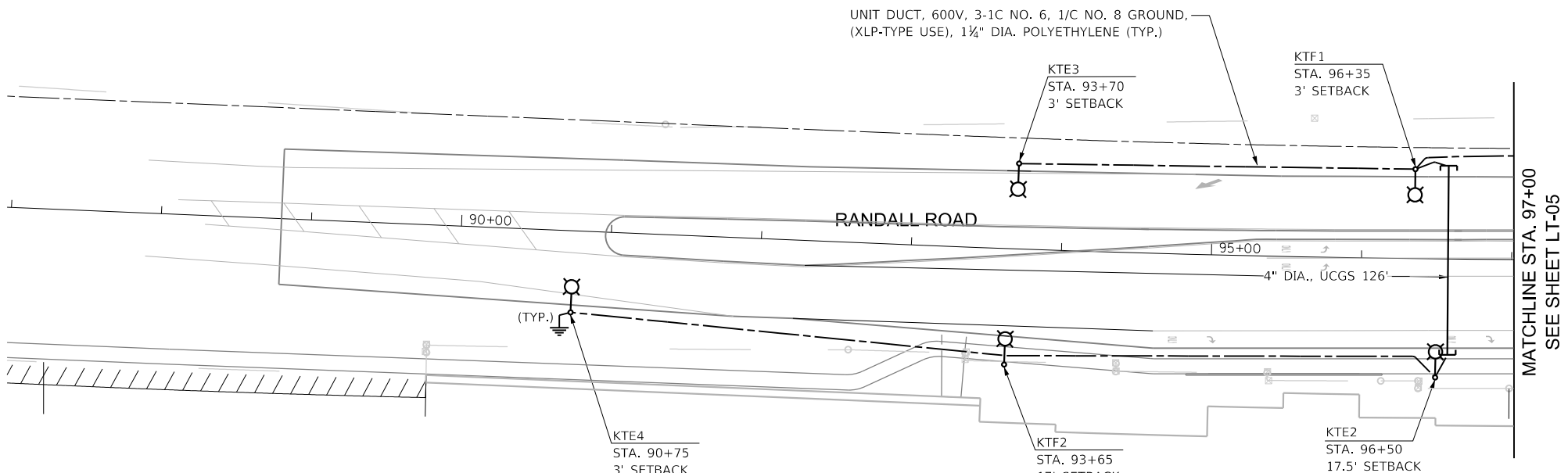
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	DATE - 02-12-2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 RANDALL ROAD AT IL-72**

SCALE:	SHEET OF SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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						CONTRACT NO. 61L28	
						ILLINOIS	FED. AID PROJECT

LT-06

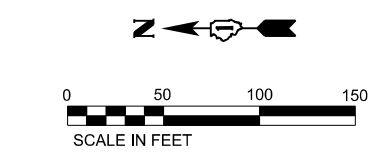
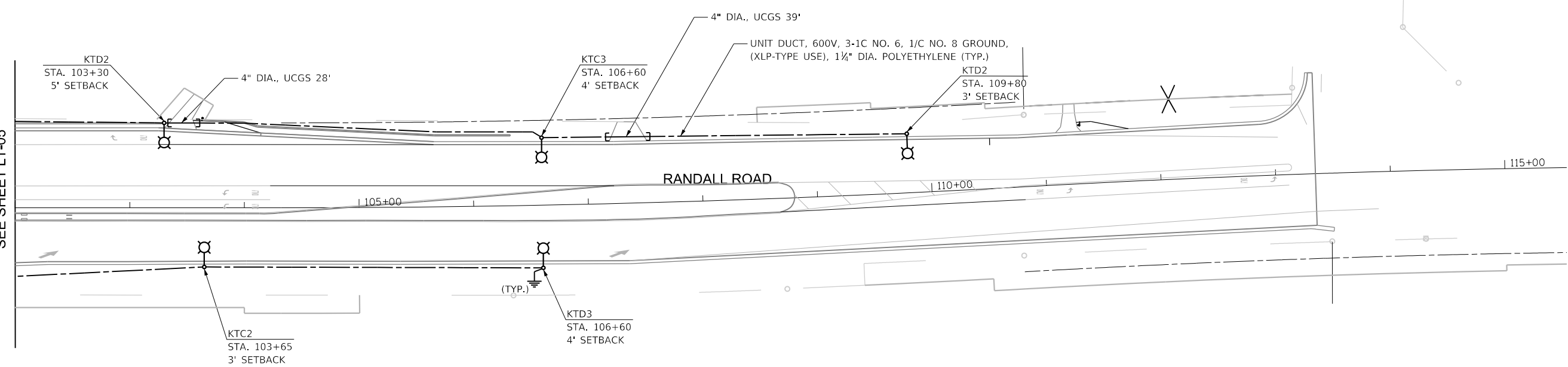


LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED AND SALVAGED WHEN TEMPORARY LIGHTING IS REMOVED.
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- PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I ON METAL FOUNDATION WITH BREAKAWAY DEVICE
- TEMPORARY WOOD POLE, 60 FT., CLASS 4
- EXISTING IDOT LIGHTING CONTROLLER "KT", SALVAGED
- PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
- EXISTING ELECTRIC SERVICE
- PROPOSED ELECTRIC SERVICE 240/480V, SINGLE PHASE, 3WIRE
- UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- EXISTING UNIT DUCT TO BE REMOVED
- UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA. WITH UNIT DUCT
- ELECTRICAL CABLE IN CONDUIT 3-1/C NO. 1/0
- GROUND ROD
- AERIAL CABLE, 3-1/C NO.6 WITH MESSENGER WIRE

NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SETBACK IS FROM CENTER OF LIGHT POLE TO EDGE OF PAVEMENT.



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SETBACK IS FROM CENTER OF LIGHT POLE TO EDGE OF PAVEMENT.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

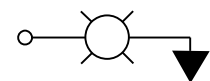
**PROPOSED LIGHTING PLAN
RANDALL ROAD AT IL-72**

SCALE: SHEET OF SHEETS STA. TO STA.

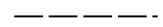
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CONTRACT NO.			61L28	
ILLINOIS FED. AID PROJECT				

LT-07

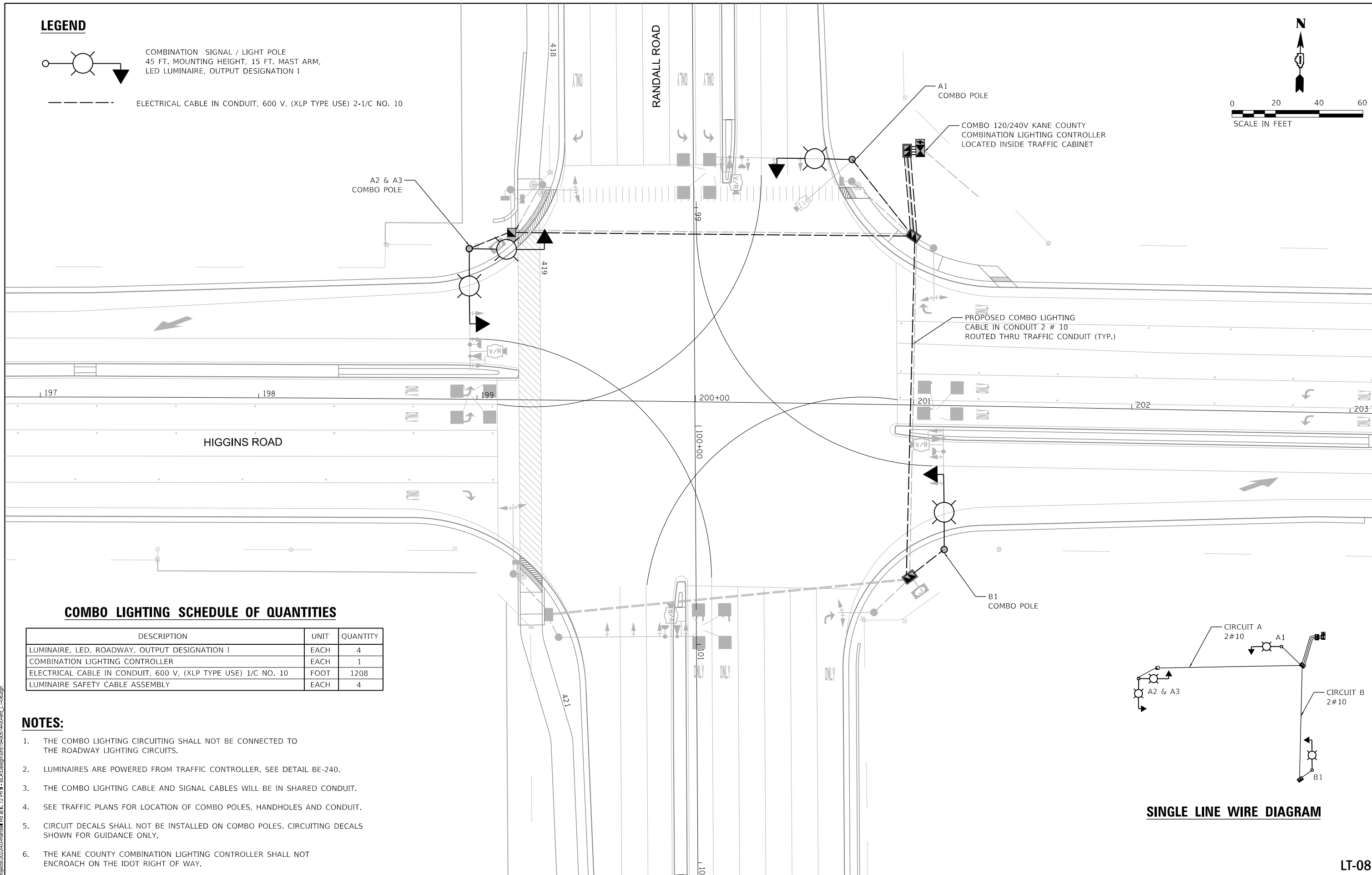
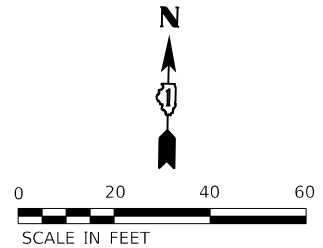
LEGEND



COMBINATION SIGNAL / LIGHT POLE
45 FT. MOUNTING HEIGHT, 15 FT. MAST ARM,
LED LUMINAIRE, OUTPUT DESIGNATION I



ELECTRICAL CABLE IN CONDUIT, 600 V, (XLP TYPE USE) 2-1/C NO. 10

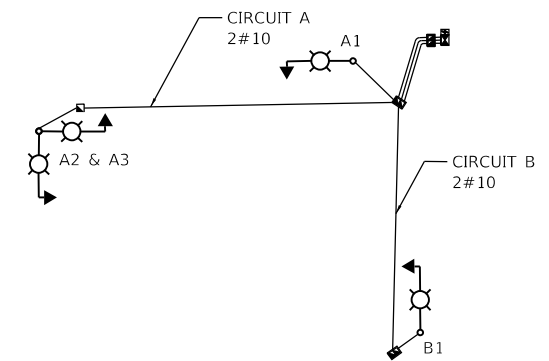


COMBO LIGHTING SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	4
COMBINATION LIGHTING CONTROLLER	EACH	1
ELECTRICAL CABLE IN CONDUIT, 600 V, (XLP TYPE USE) 1/C NO. 10	FOOT	1208
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4

NOTES:

1. THE COMBO LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM TRAFFIC CONTROLLER. SEE DETAIL BE-240.
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES. CIRCUITING DECALS SHOWN FOR GUIDANCE ONLY.
6. THE KANE COUNTY COMBINATION LIGHTING CONTROLLER SHALL NOT ENCROACH ON THE IDOT RIGHT OF WAY.



SINGLE LINE WIRE DIAGRAM

LT-08

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED KANE COUNTY LIGHTING COMBINATION POLE PLAN
RANDALL ROAD AT IL-72**

SCALE: SHEET OF SHEETS STA. TO STA.

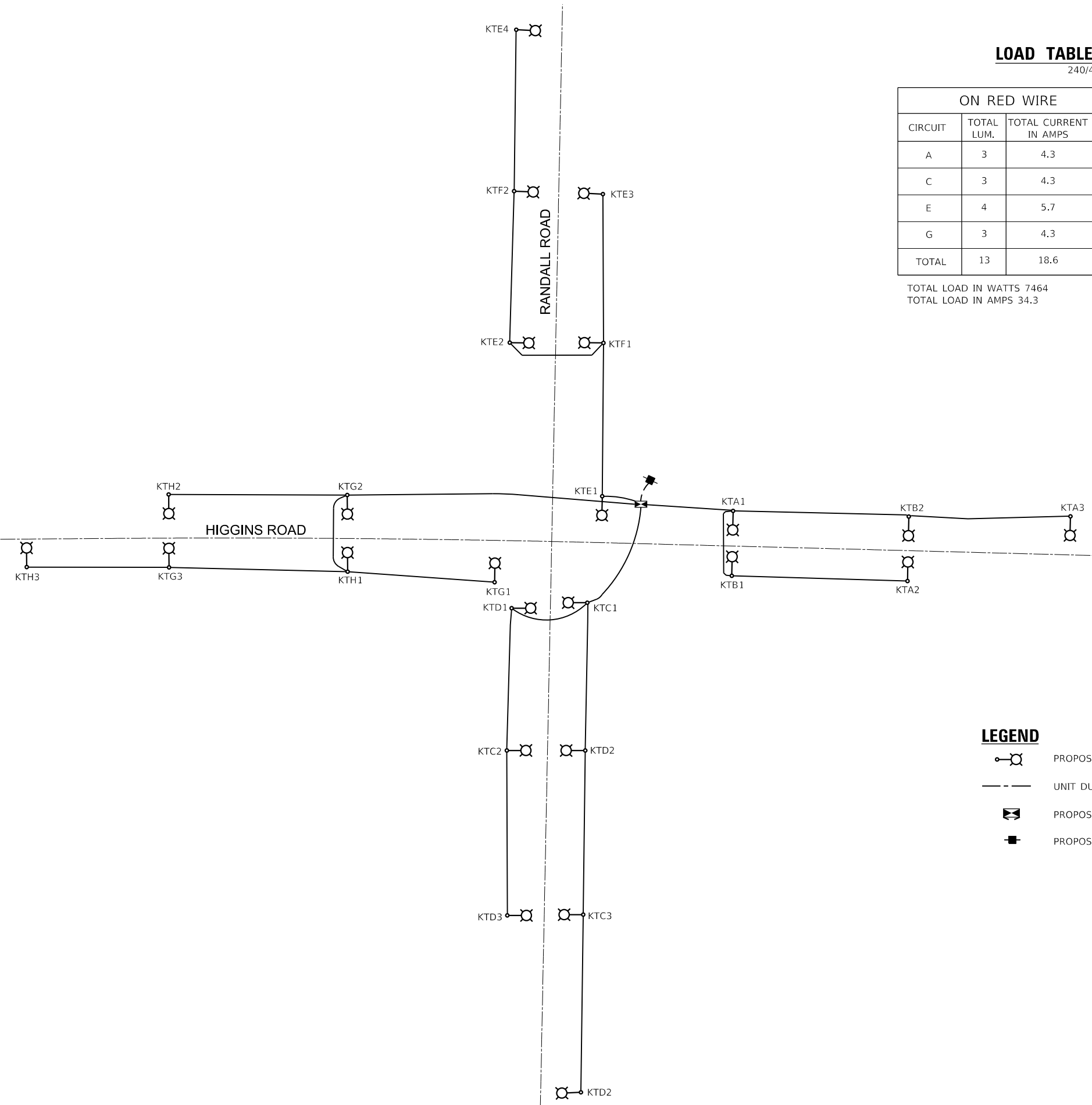
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CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				







LOAD TABLE LIGHTING CONTROLLER "KT"
240/480V AC, 1 PHASE, 3 WIRE, 100A

ON RED WIRE				ON BLACK WIRE			
CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	3	4.3	933	B	2	2.9	622
C	3	4.3	933	D	4	5.7	1244
E	4	5.7	1244	F	2	2.9	622
G	3	4.3	933	H	3	4.3	933
TOTAL	13	18.6	4043	TOTAL	11	15.7	3421

TOTAL LOAD IN WATTS 7464
TOTAL LOAD IN AMPS 34.3



LEGEND

-  PROPOSED LUMINAIRE, LED, 240V, 1.43A, 311W, 1Ø
-  UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
-  PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
-  PROPOSED ELECTRIC SERVICE

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Downers Grove, IL 60516

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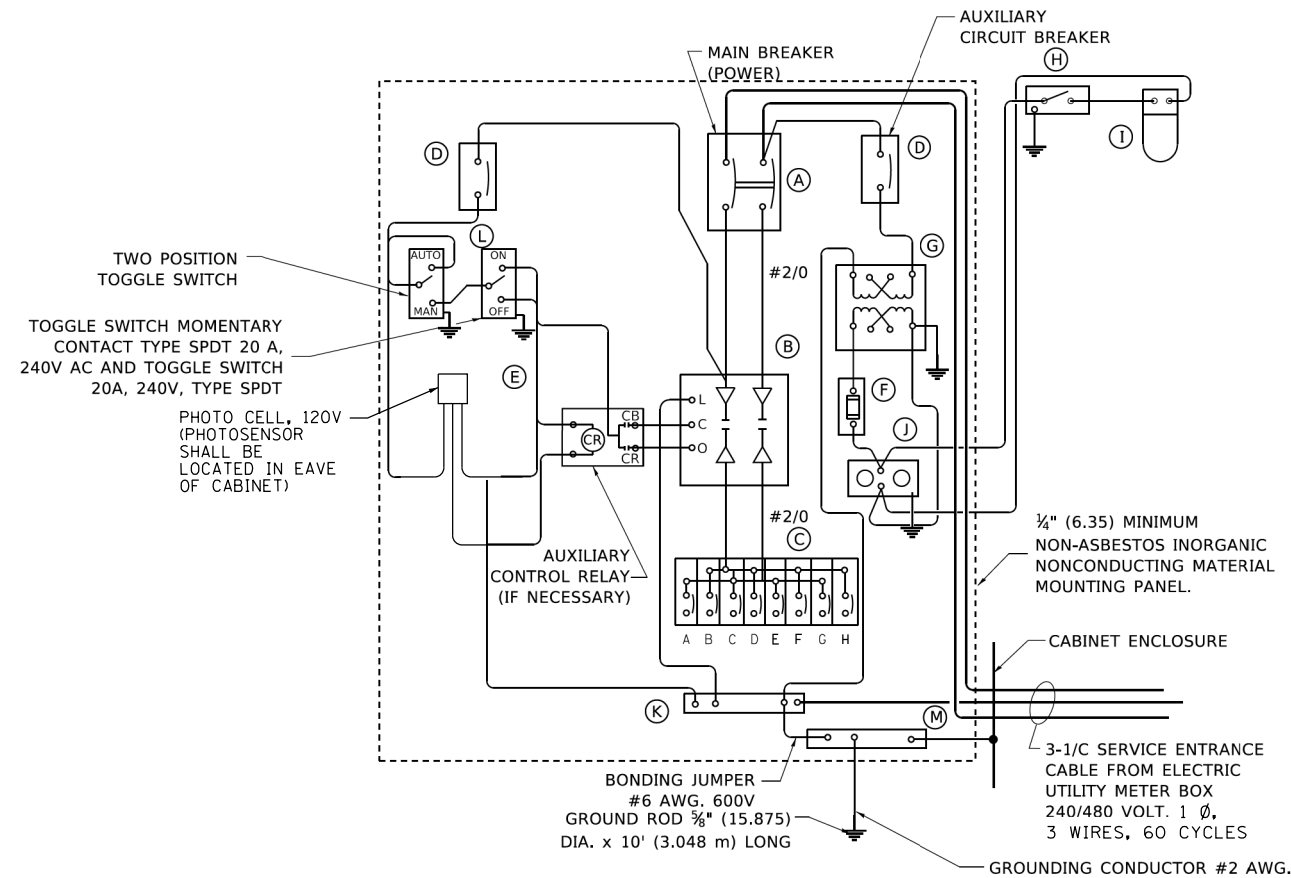
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE WIRING DIAGRAM
RANDALL ROAD AT IL 72**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	206
CONTRACT NO.			61L28	
ILLINOIS		FED. AID PROJECT		

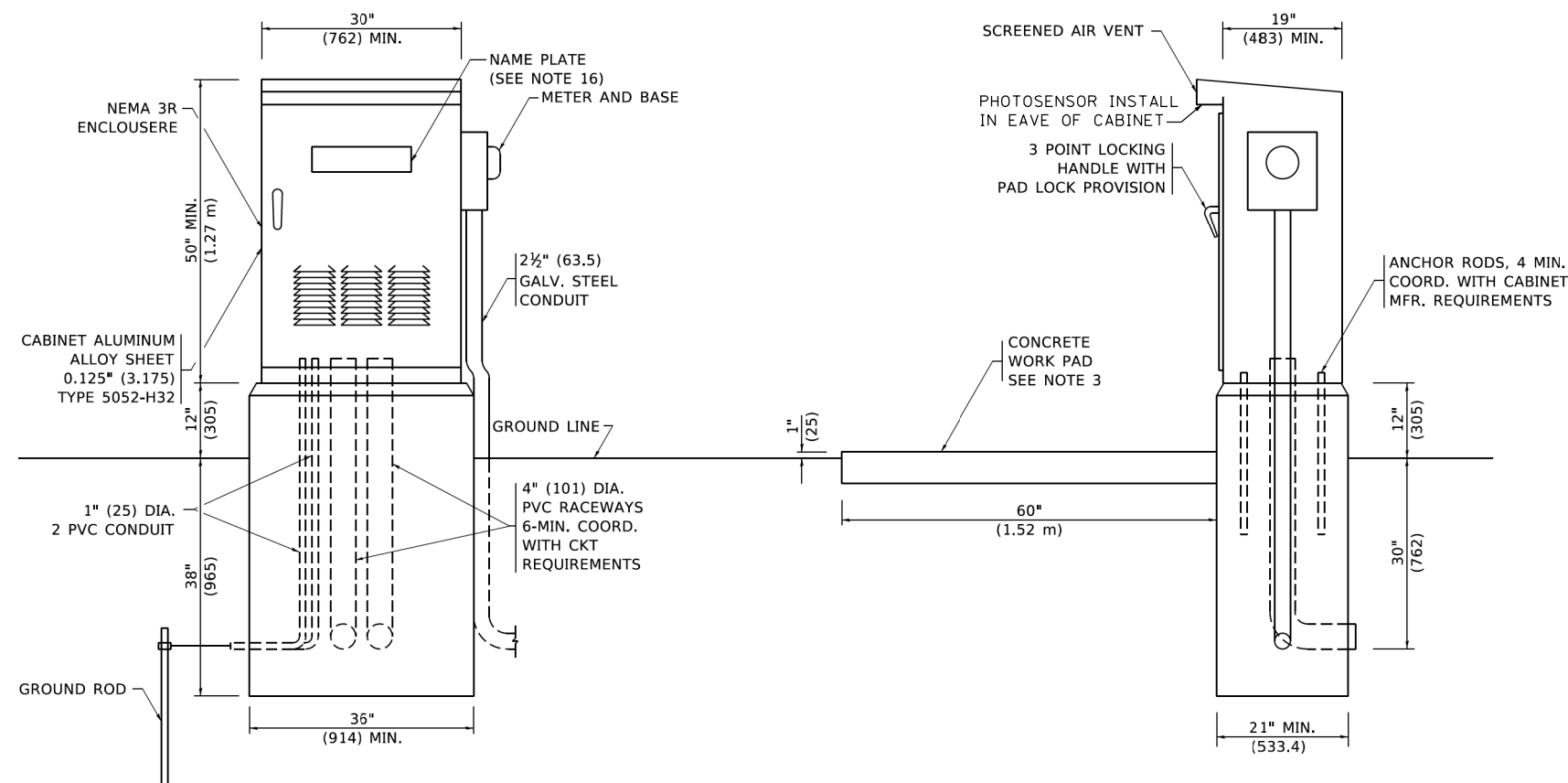
LT-09



PANEL WIRING DIAGRAM

PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	PHOTECCELL, 120V
F	1	20 AMP, 120 VOLT FUSE.
G	1	1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 Hz.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 AMP, 120 VOLT, DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1#4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1#4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.



NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "ILLINOIS DEPARTMENT OF TRANSPORTATION" UNLESS OTHERWISE SPECIFIED.

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 DATE: 7/11/2025



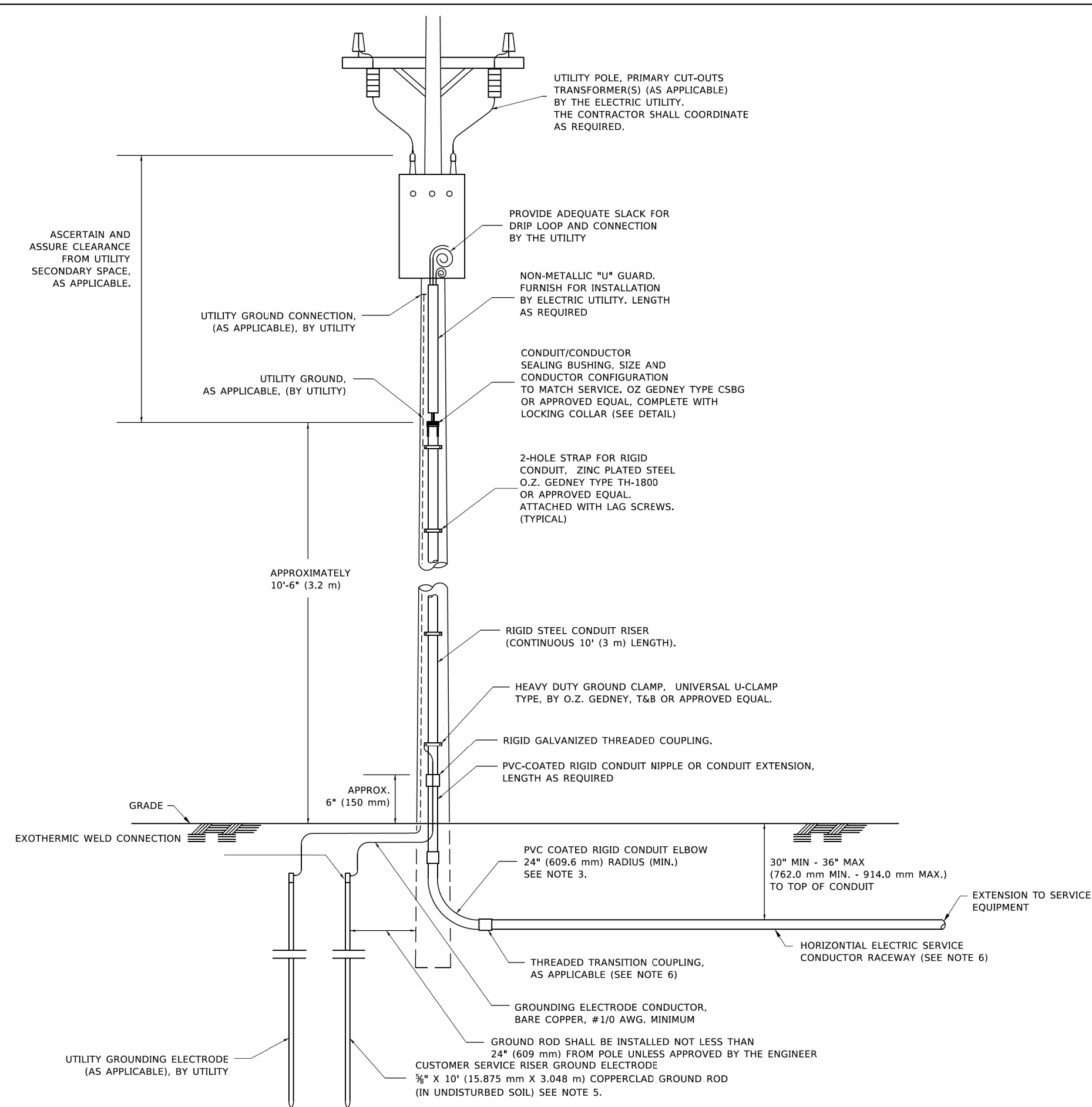
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER
SINGLE DOOR**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	207
CONTRACT NO. 61L28			ILLINOIS FED. AID PROJECT	

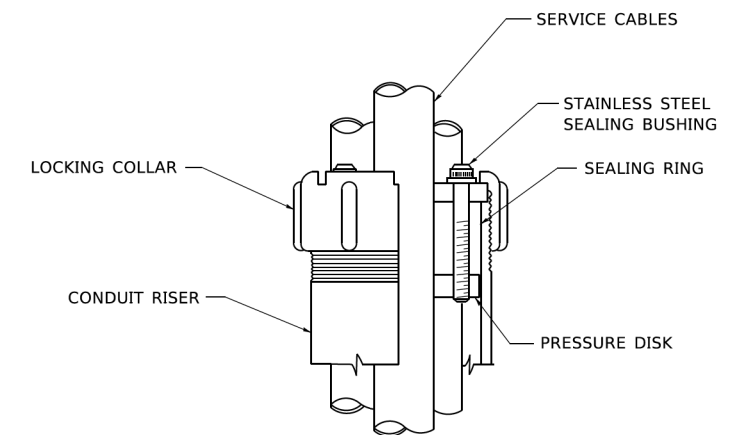


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.

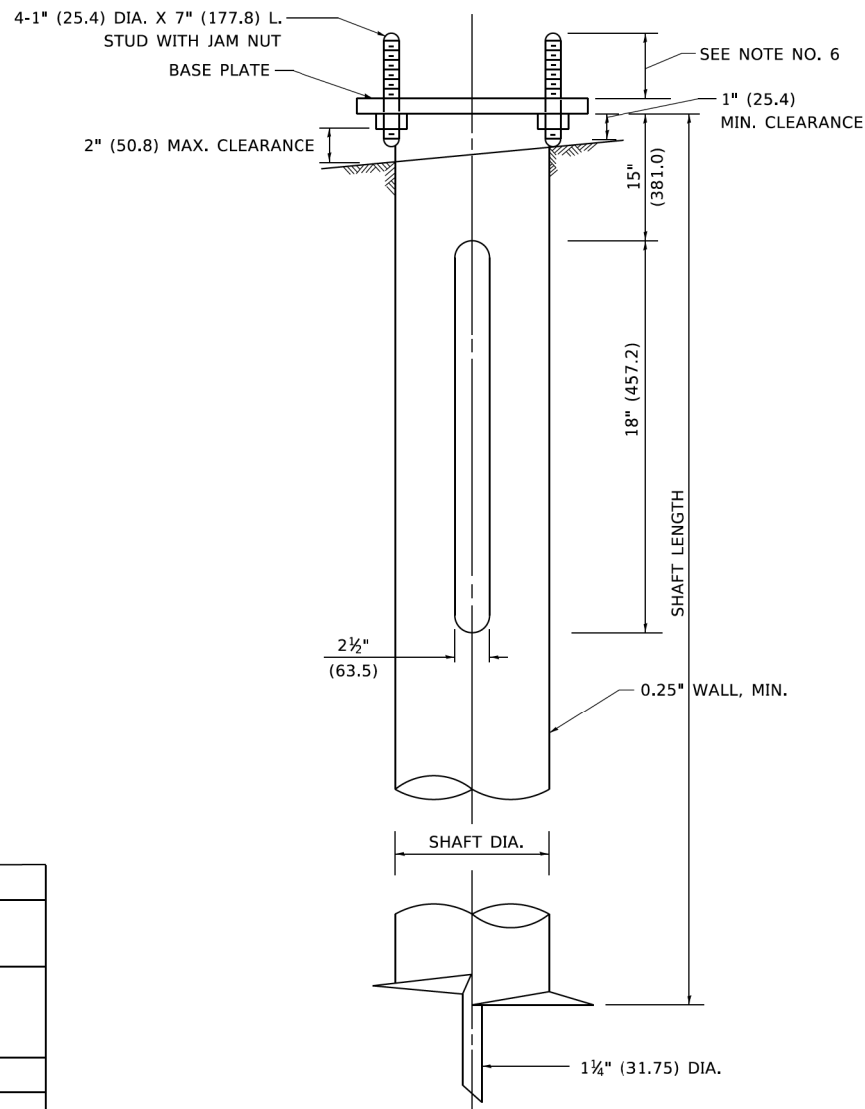
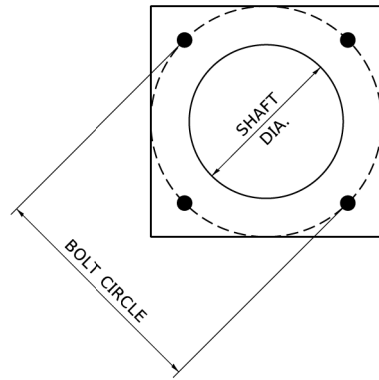


SEALING BUSHING DETAIL

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	208
			CONTRACT NO. 61L28	
		ILLINOIS FED. AID PROJECT		



NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

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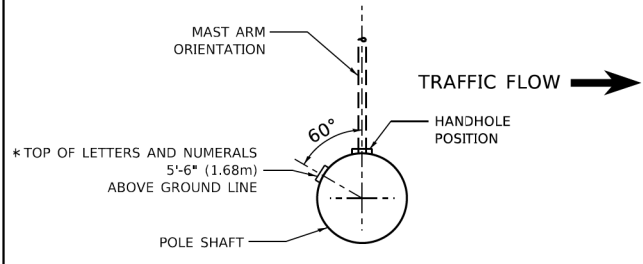
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHT POLE FOUNDATION METAL

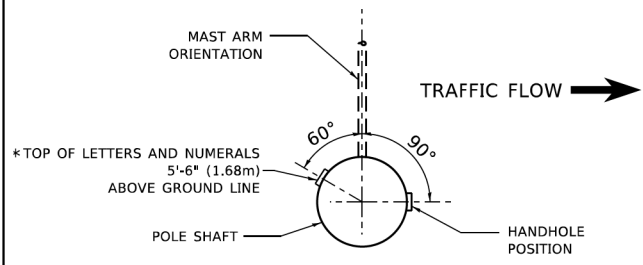
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CONTRACT NO.			61L28	
ILLINOIS		FED. AID PROJECT		

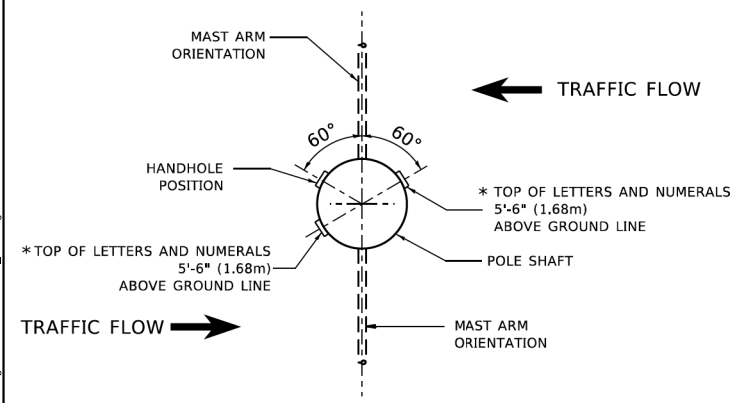
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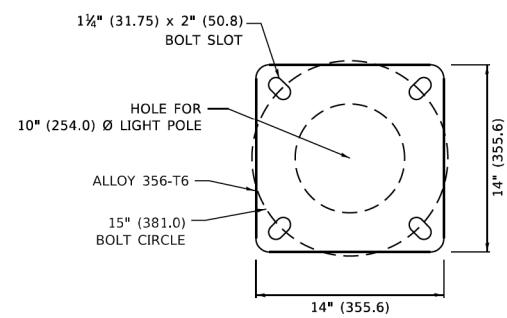
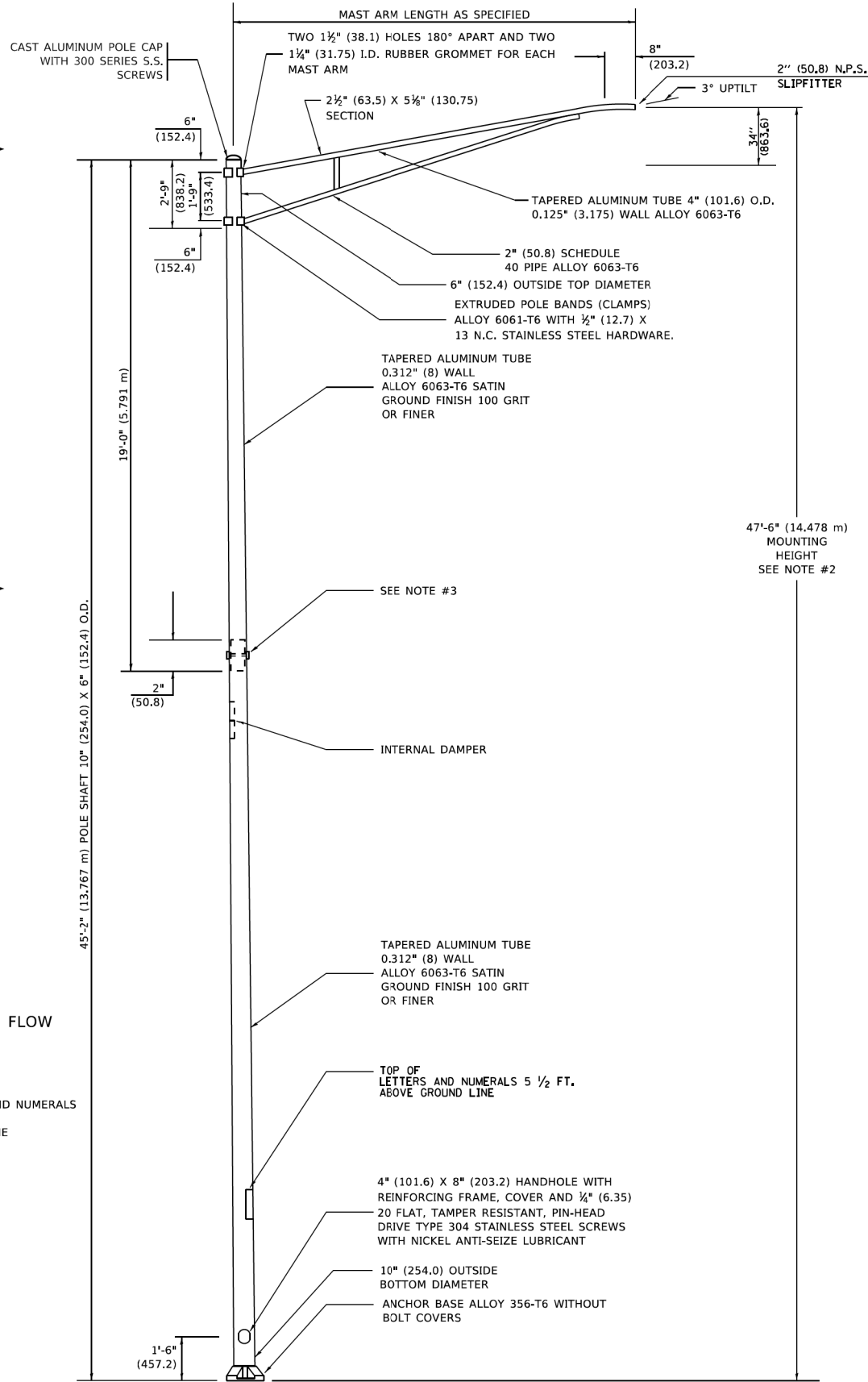
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

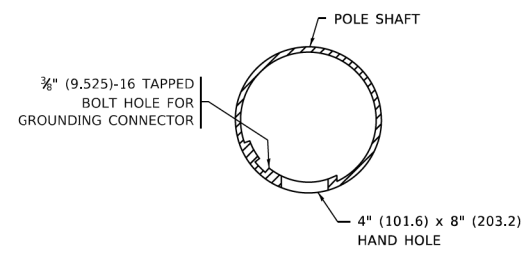


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



LIGHT POLE BASE PLATE DETAIL

15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL (N.T.S.)

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

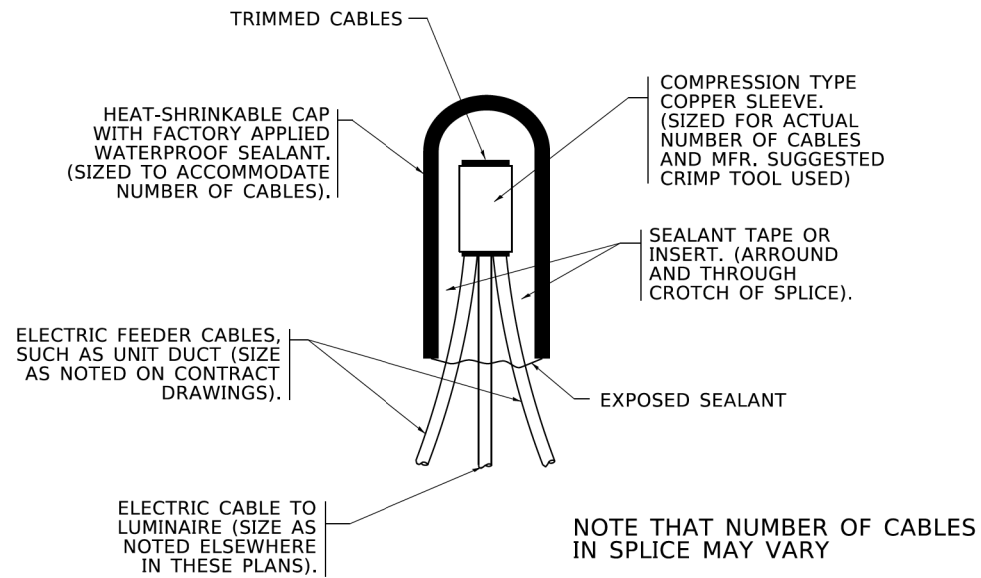
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALUMINUM LIGHT POLE
47'-6" (14.478 m) MOUNTING HEIGHT**

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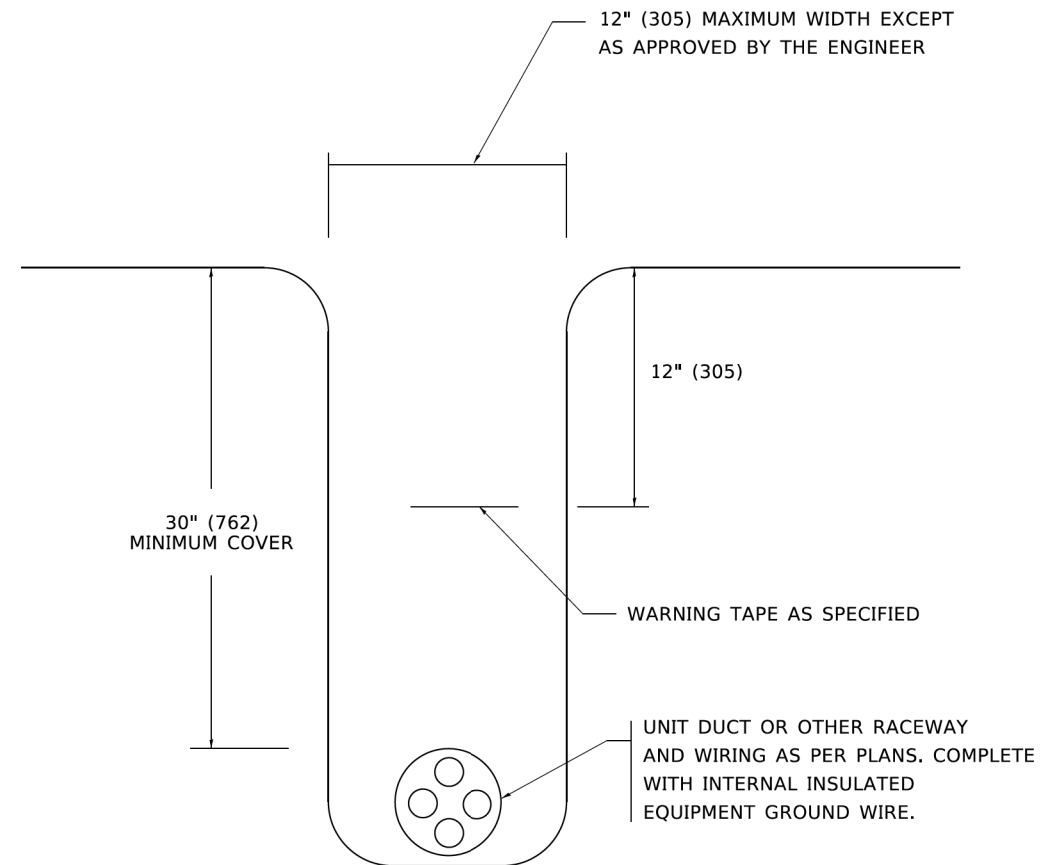
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CONTRACT NO.			61L28	
ILLINOIS FED. AID PROJECT				

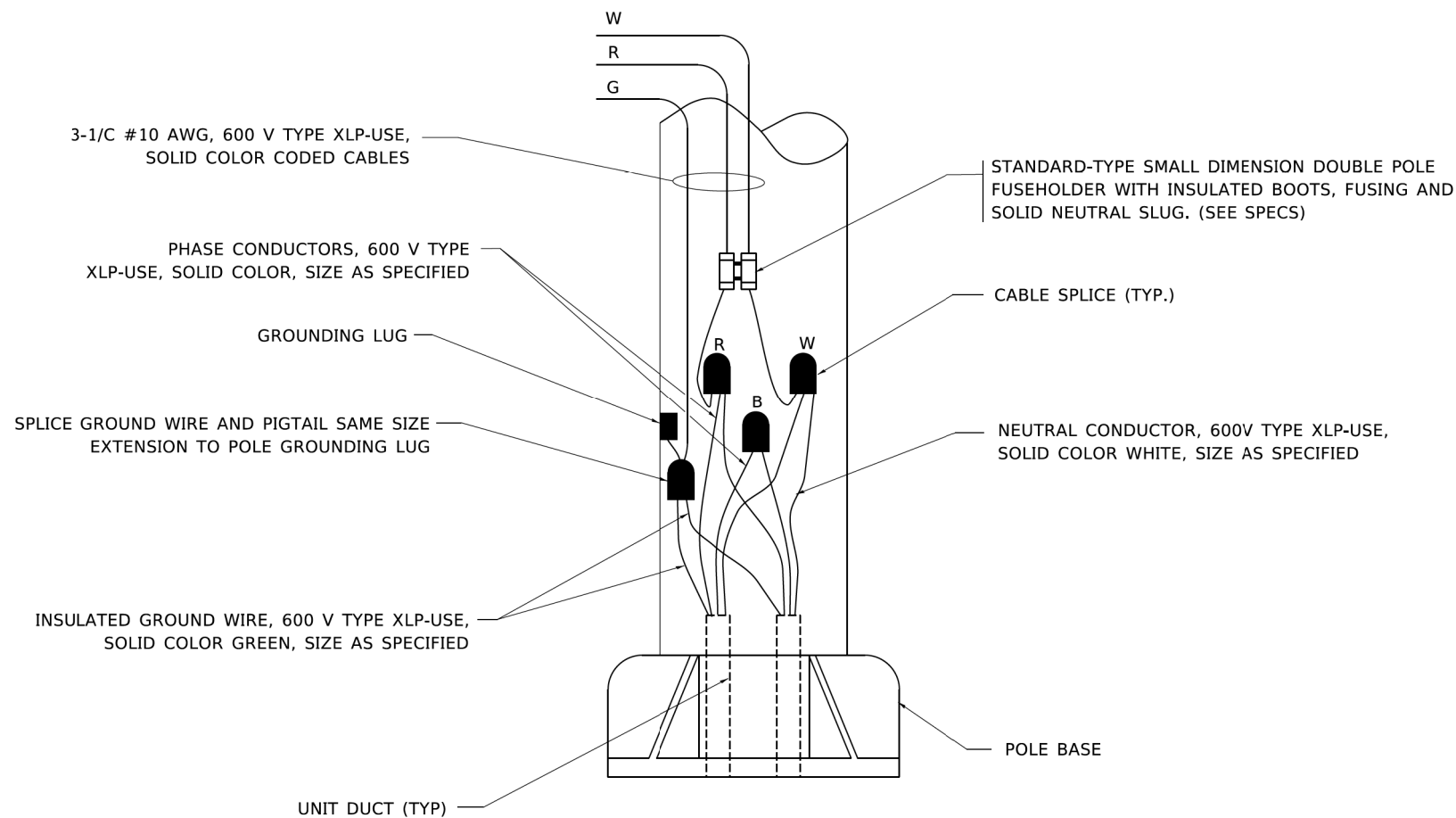


TYPICAL SPLICE DETAIL
N.T.S.

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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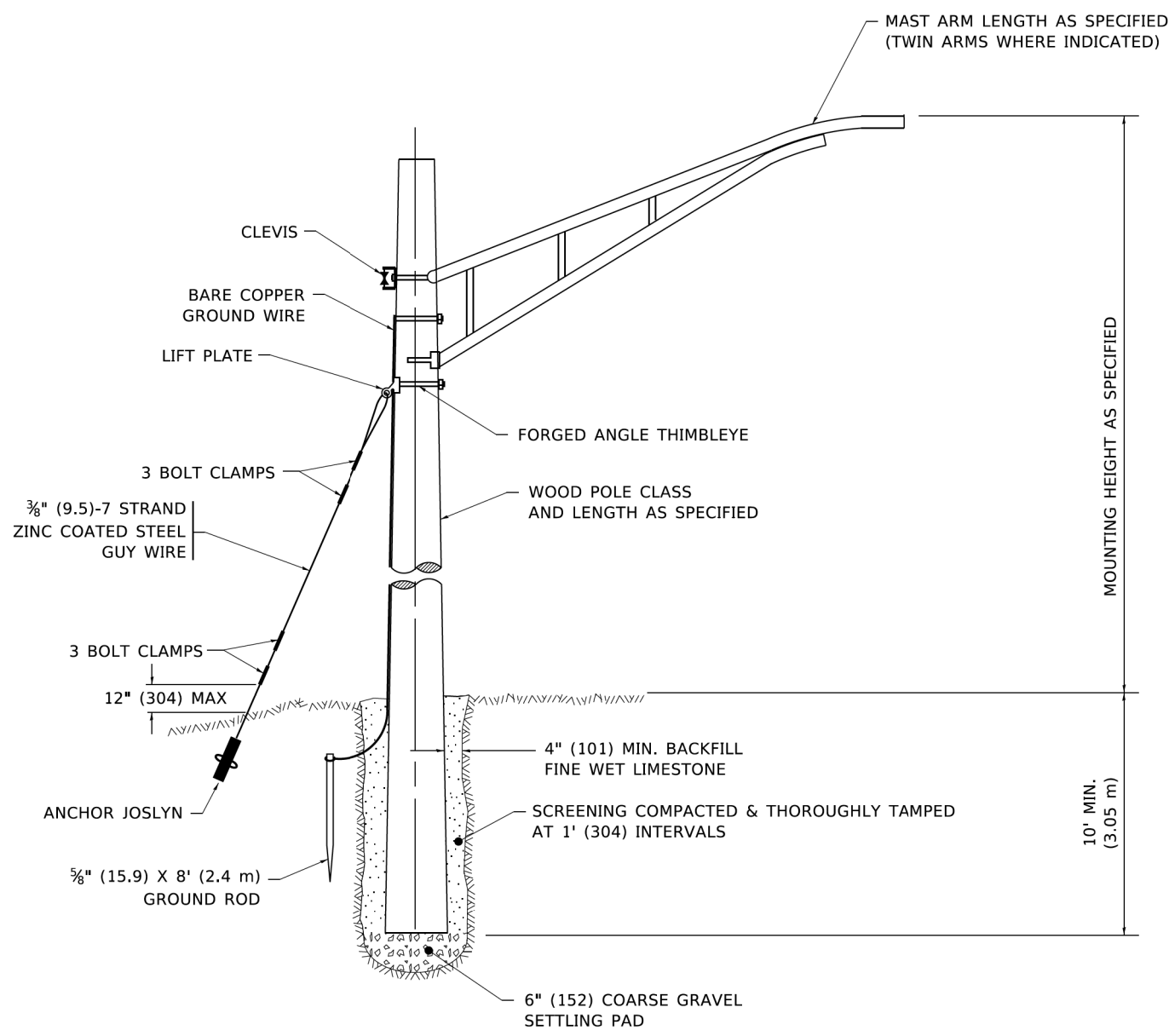
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

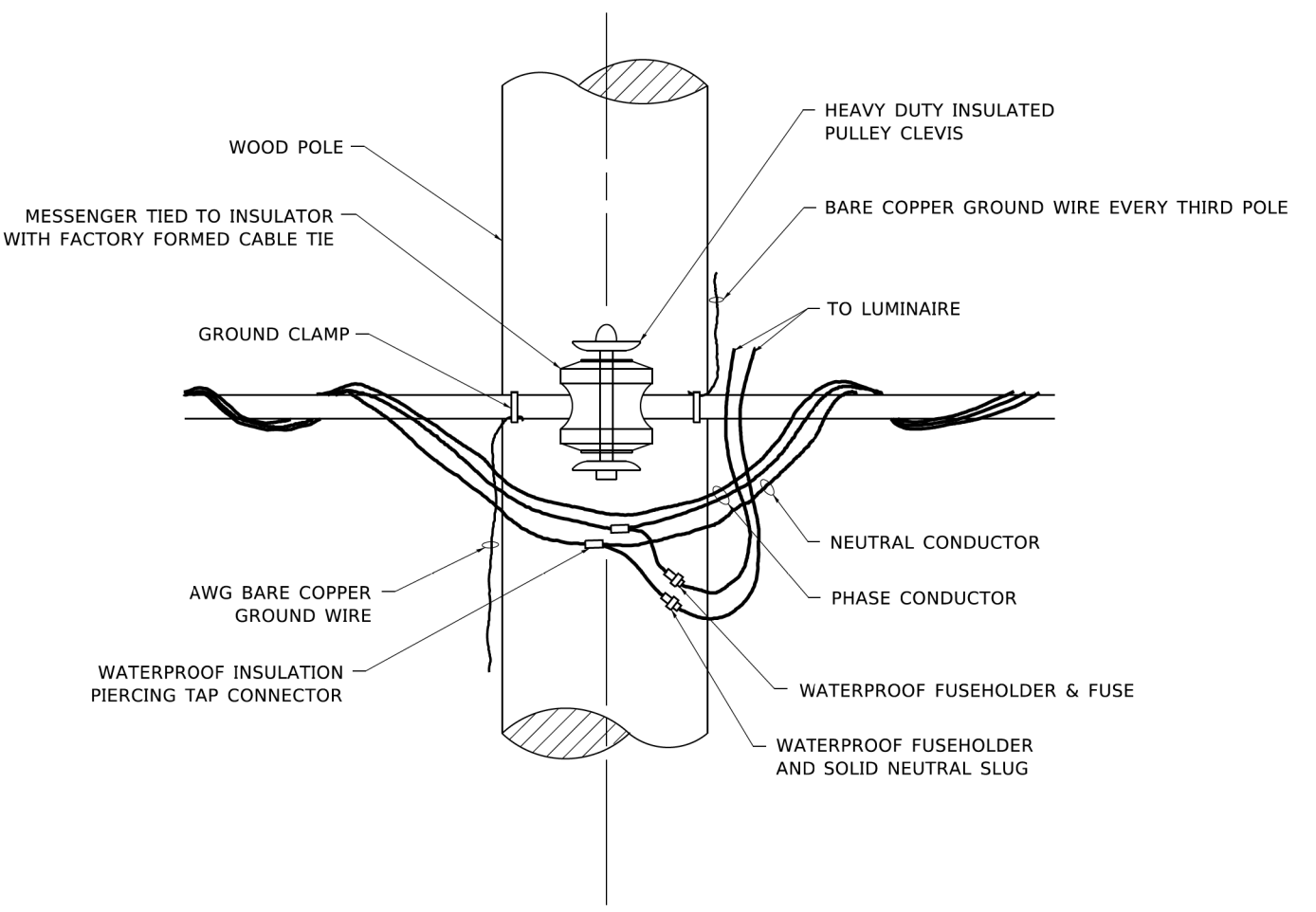
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	211
CONTRACT NO. 61L28			ILLINOIS FED. AID PROJECT	



TEMPORARY LIGHT POLE DETAIL

- NOTE:**
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
 2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

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AMES Engineering, Inc.
CONSULTING ENGINEERS
 6336 Belmont Road, Suite 4B
 Downers Grove, IL 60516

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DRAWN - SR	REVISIONS	REVISED -
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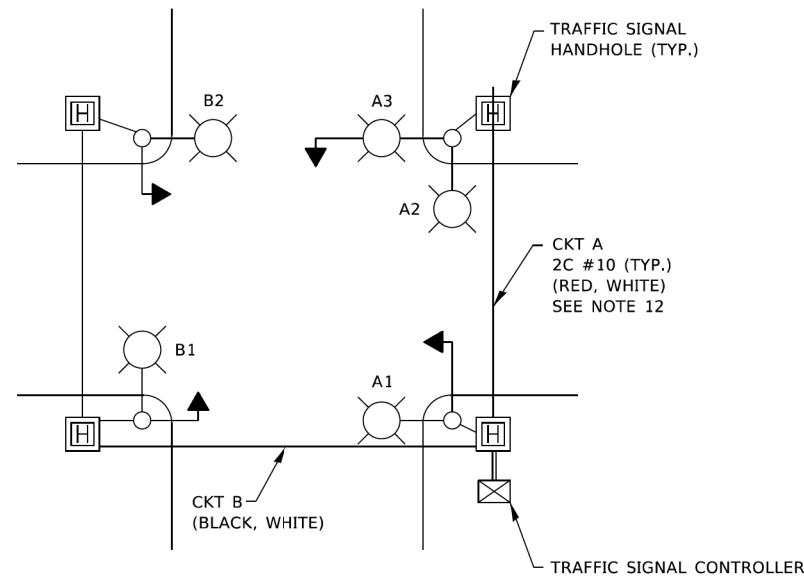
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS

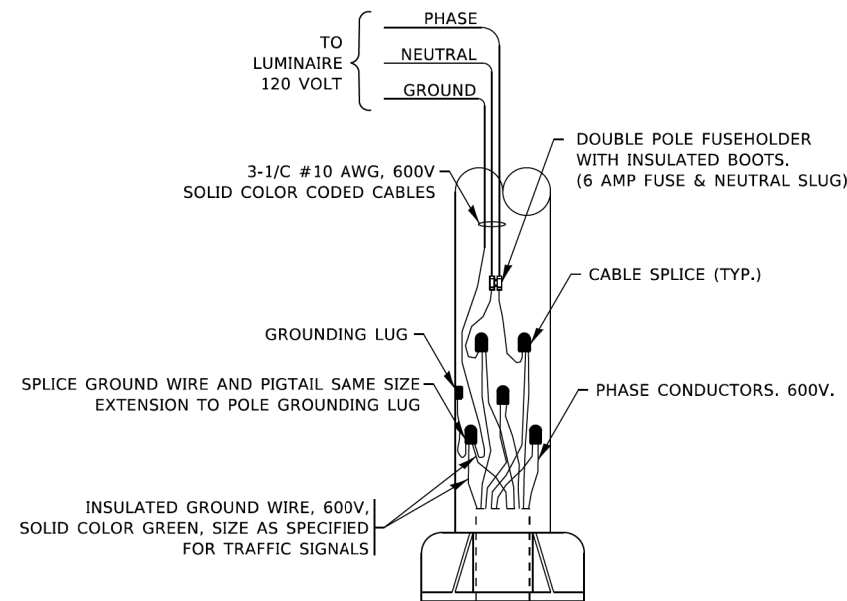
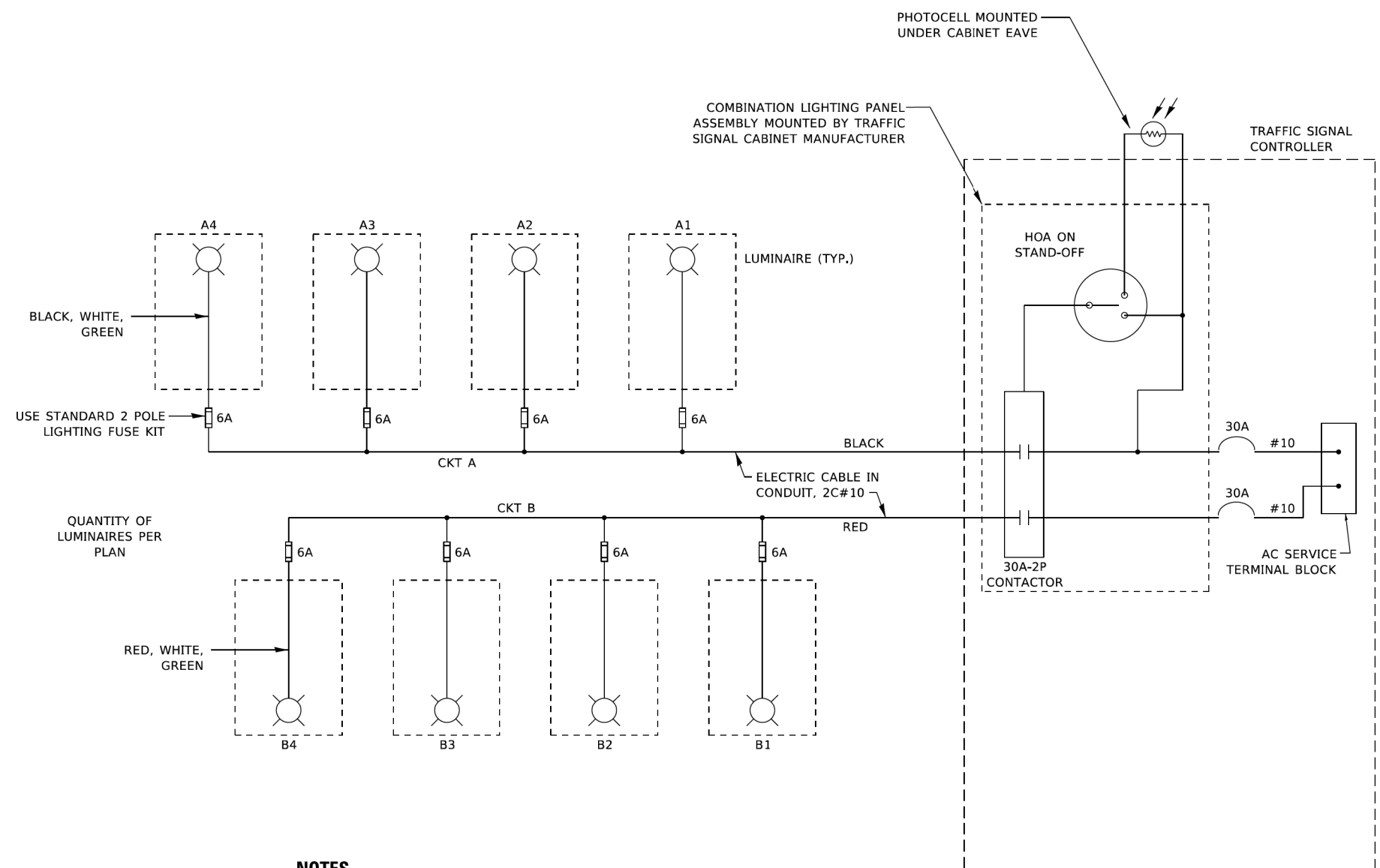
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	19-00514-00-WR	KANE	304	212
CONTRACT NO.			61L28	
ILLINOIS		FED. AID PROJECT		

LT-15



TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)

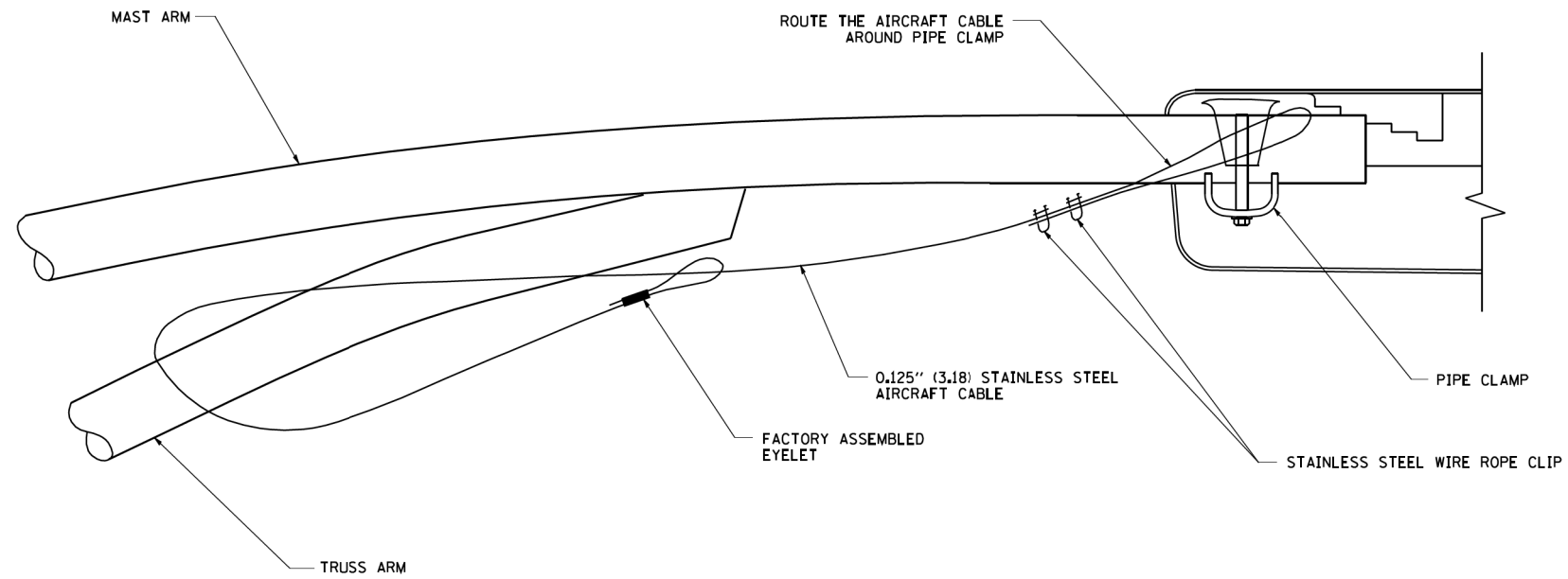


COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

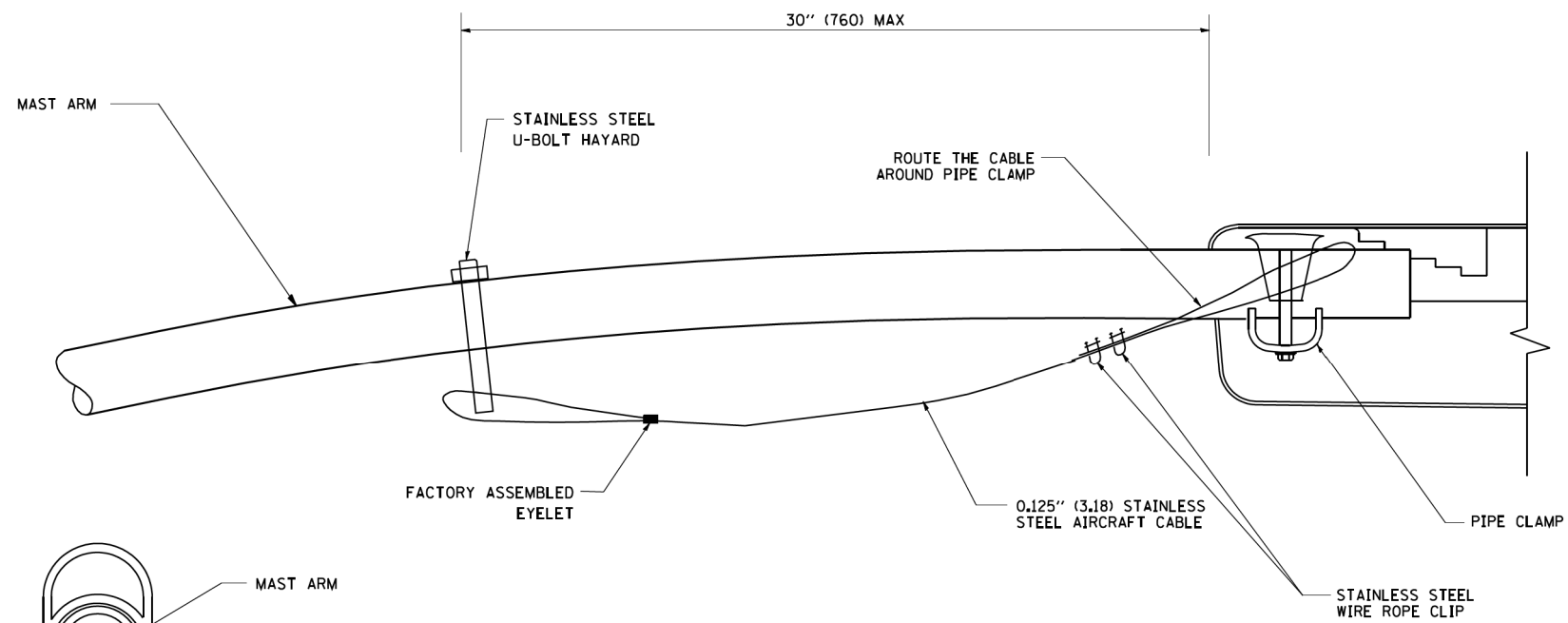
- NOTES**
1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
 2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
 3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
 4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
 5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
 6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
 7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
 8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
 9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
 10. LUMINAIRE VOLTAGE SHALL BE 120V
 11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
 12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND COMBINATION LIGHTING.
 13. SEE TRAFFIC PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.

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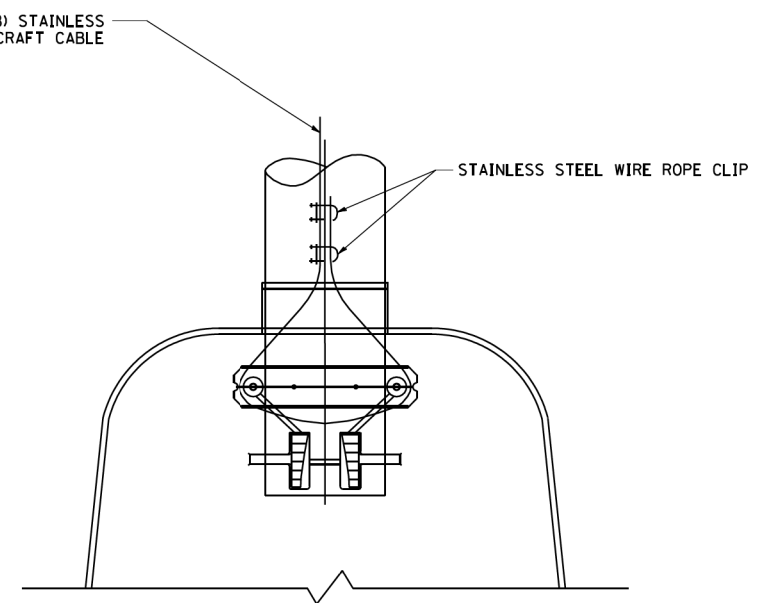
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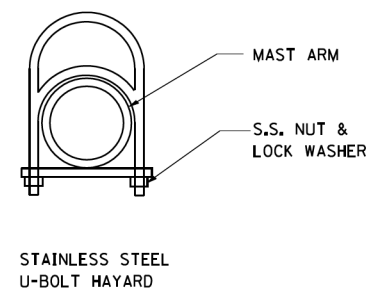
SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

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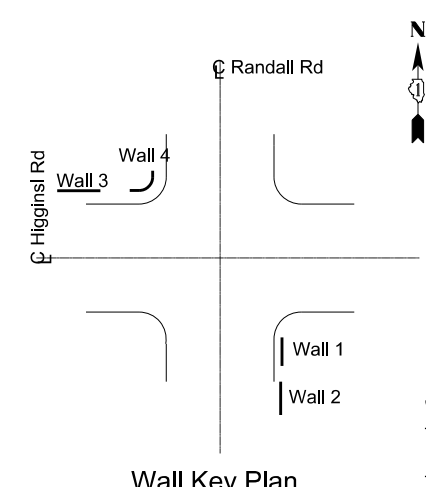
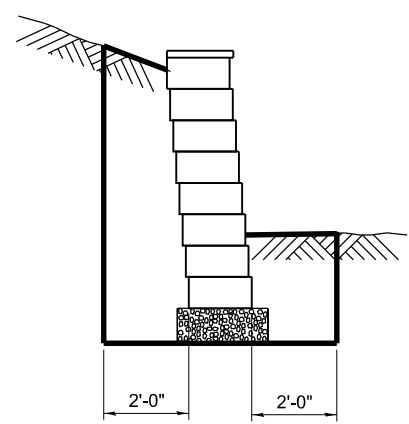
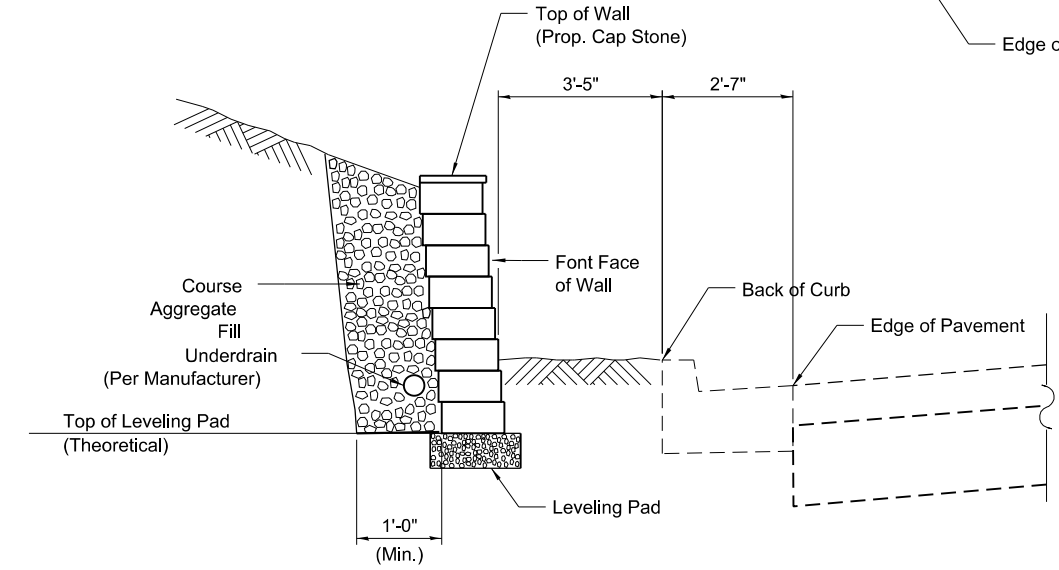
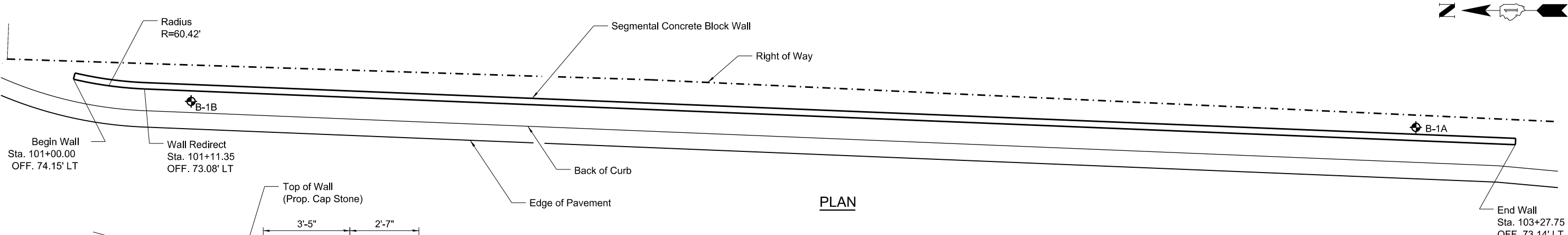
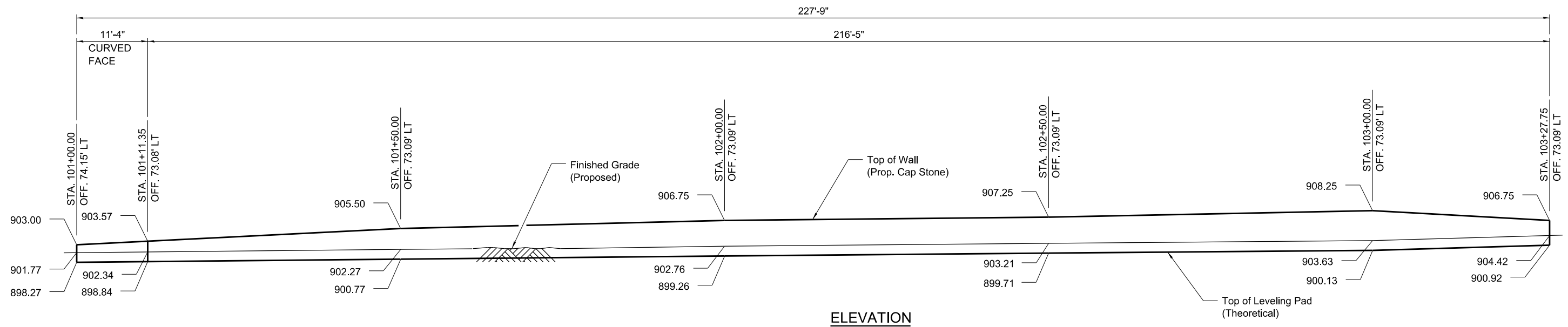
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	DATE - 02-12-2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LUMINAIRE SAFETY CABLE ASSEMBLY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	214
CONTRACT NO.			61L28	
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL

Item	Unit	Total
Segmental Concrete Block Wall	SQ. FT.	1,594
Structure Excavation	CU. YD.	295
Removal and Disposal of Unsuitable Material for Structures	CU. YD.	74

Notes:
Offset to Front Face of Wall.

"I certify that to the best of knowledge, information and belief, these structures designed is structurally adequate for the design loadings shown on these plans. These designs are economical for the styles of structure and complies with requirements of the current AASHTO 'Standard Specifications for Highway Bridges.'"

Peter R. Dombrowski
Peter R. Dombrowski, PE SE
License Number 081-006519

Notes:

Segmental concrete block wall shall be constructed in accordance with applicable portions of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Section 522 and Manufacturer's Specifications.

Dimensions will vary depending on type of block used.

Every other block at the end of the wall shall be cut in half to construct a vertical end. The cost for this work shall be included in the price for Segmental Concrete Block Wall.

This work shall be measured and paid for at the contract unit price per square foot for Segmental Concrete Block Wall. The cost of Pipe Underdrain, the connection, Leveling Pad, Drainage Aggregate, and Cap Stone shall be included, and will not be paid for separately.

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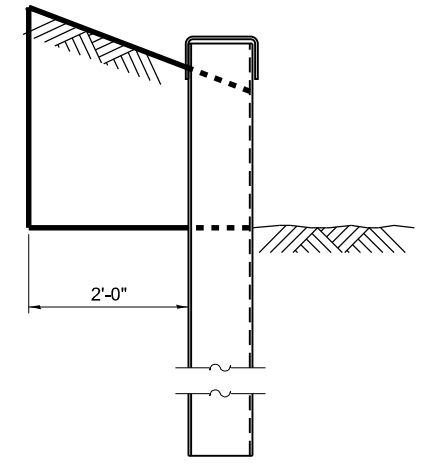
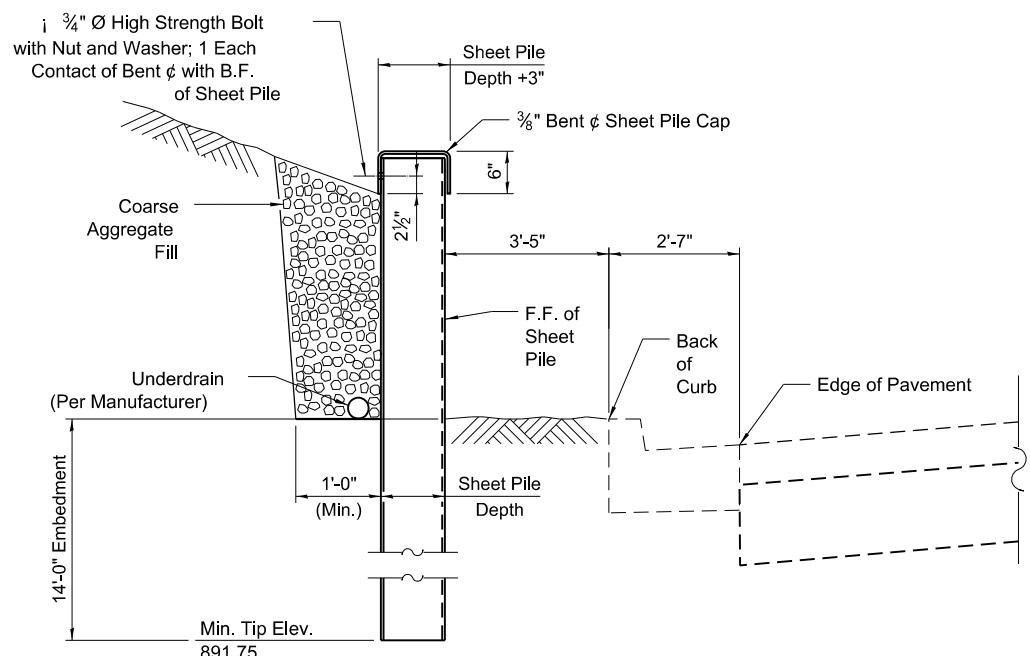
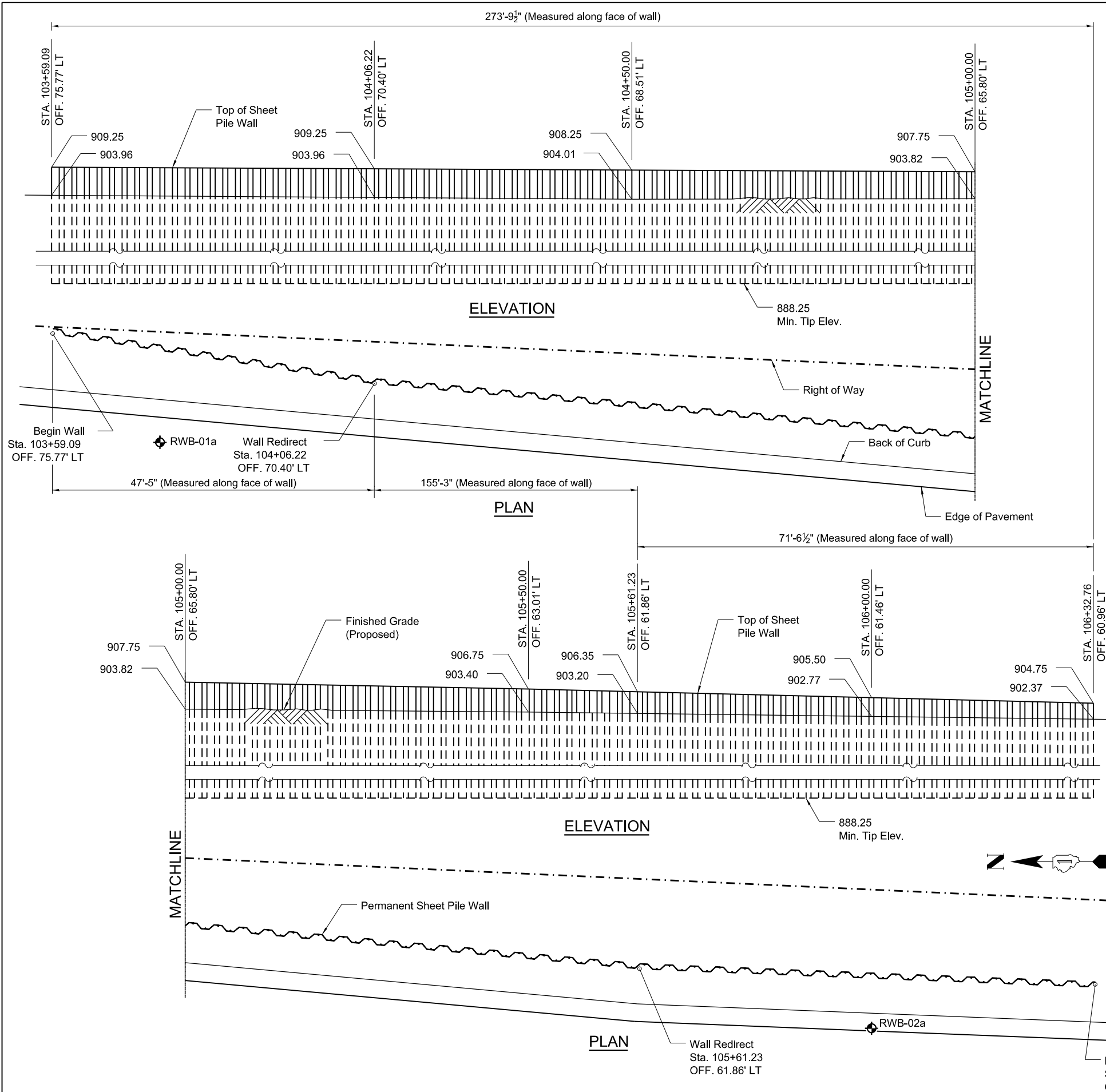
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 1
RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)

SCALE: N/A SHEET 1 OF 12 SHEETS

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 215
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				



Notes:
 Permanent sheet piling shall be constructed in accordance with applicable portions of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Section 522 and Manufacturer's Specifications.

The minimum section modulus of the permanent sheet piling shall be 20.0 in³/ft.

This work shall be measured and paid for at the contract unit price per square foot for Permanent Sheet Piling. The cost of Pipe Underdrain, the connection, Drainage Aggregate, Sheet Pile Cap, and fasteners shall be included, and will not be paid for separately.

See sheet 3 of 12 for Design Stresses.

BILL OF MATERIAL

Item	Unit	Total
Permanent Sheet Piling	SQ. FT.	5,270
Structure Excavation	CU. YD.	95

Notes:
 Offset to Front Face of Wall.

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	CHECKED - M. WILLEY	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL NO. 2
 RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)**

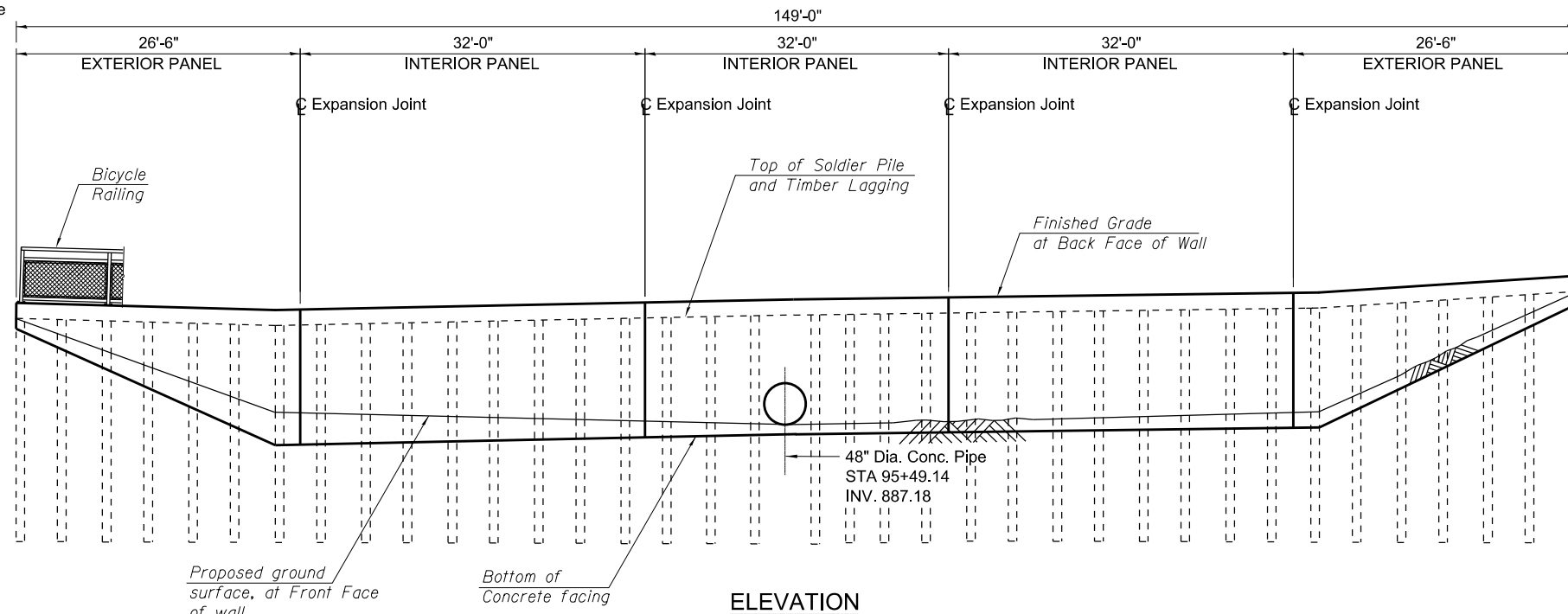
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	216
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

Benchmark: T.B.M. #3 Box Cut (Set) in Concrete Base of Traffic Signal with Mast Arm in the Northeast
 Quadrant of the intersection of Randall Road and Illinois Route 72.
 NAVD '88 Elevation 900.64

Existing Structure: None

No Salvage.



ELEVATION

(Looking East at Front Face of wall)
 Concrete facing shown.
 See sheet 5 of 12 for Pile and Lagging Elevation

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design
 Specifications, 9th Edition

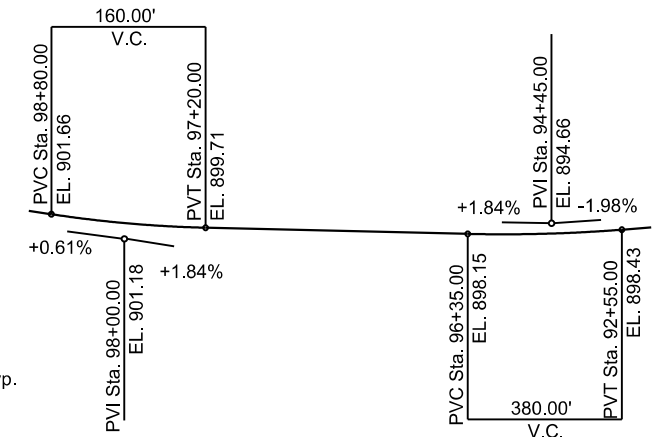
DESIGN STRESSES

FIELD UNITS

$f_c = 3,500$ psi
 $f_c = 4,000$ psi (Superstructure)
 $F_y = 60,000$ psi (Reinforcement)
 $F_y = 50,000$ psi (M270 Gr. 50, Soldier Pile & Sheet Piling)

HIGHWAY CLASSIFICATION

Randall Road - FAP 336
 Functional Class: Other Principal Arterial
 ADT: 47,800 (2021); 69,400 (2050)
 ADTT: 1,050 (2021); 1,530 (2050)
 DHV: 3,720 (2021); 5,400 (2050)
 Design Speed: 50 m.p.h.
 Posted Speed: 50 m.p.h.
 2-Way Traffic
 Directional Distribution: 50/50

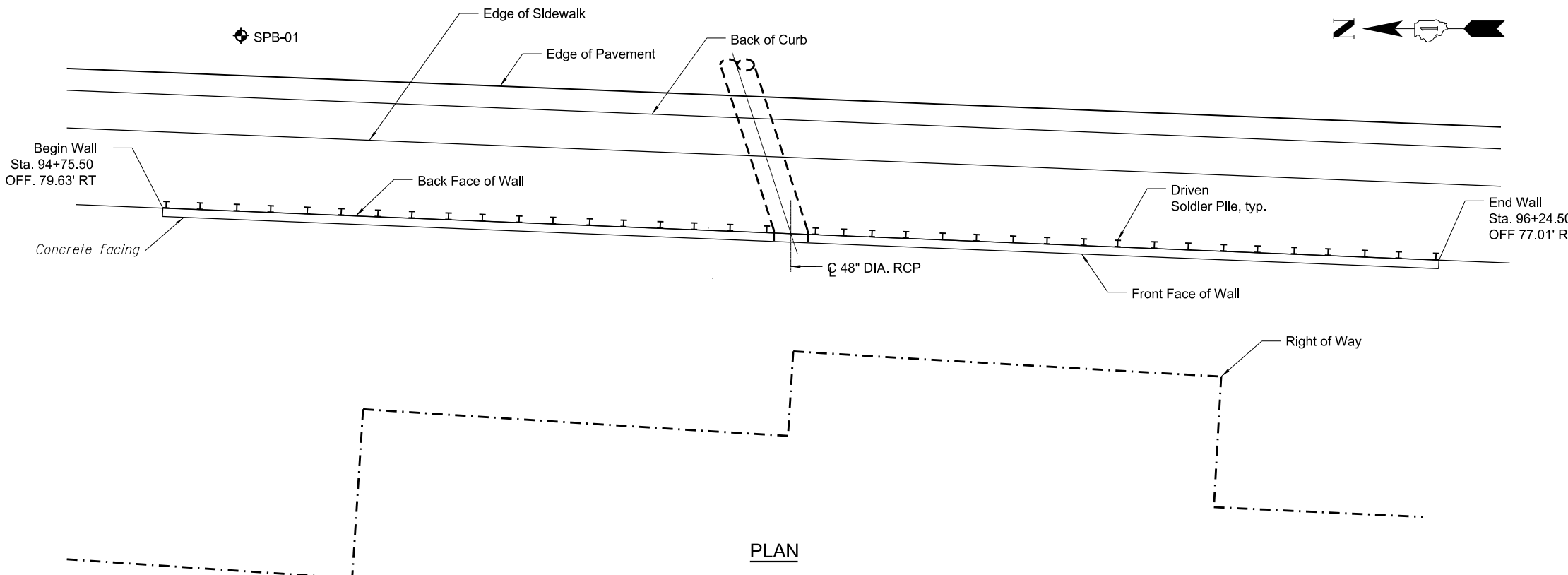


PROFILE GRADE

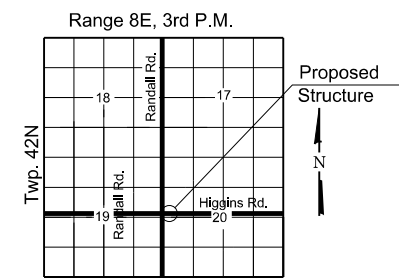
(Along centerline of Randall Road)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	66	#5	31'-8"	---
h2(E)	28	#5	26'-2"	---
h3(E)	4	#5	29'-0"	---
v1(E)	258	#5	10'-2"	---
v2(E)	8	#4	7'-3"	---
Structure Excavation			Cu. Yd.	143
Shear Stud Connectors			Each	291
Reinforcement Bars, Epoxy Coated			Pound	5,870
Furnishing Soldier Piles (HP Section)			Foot	925
Driving Soldier Piles			Foot	925
Untreated Timber Lagging			Sq. Ft.	1,164
Concrete Structures (Retaining Wall)			Cu. Yd.	50.10
Concrete Sealer			Sq. Ft.	1,501
Geocomposite Wall Drain			Sq. Yd.	126



PLAN



LOCATION SKETCH

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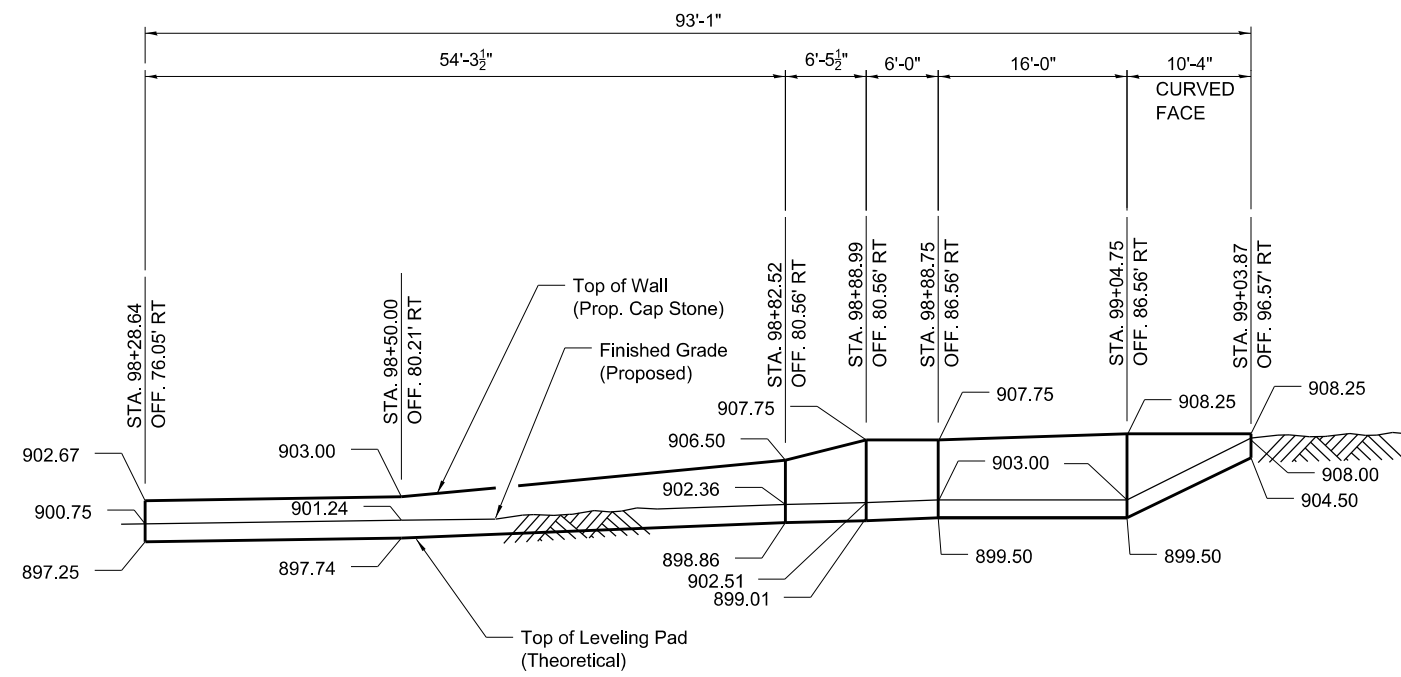
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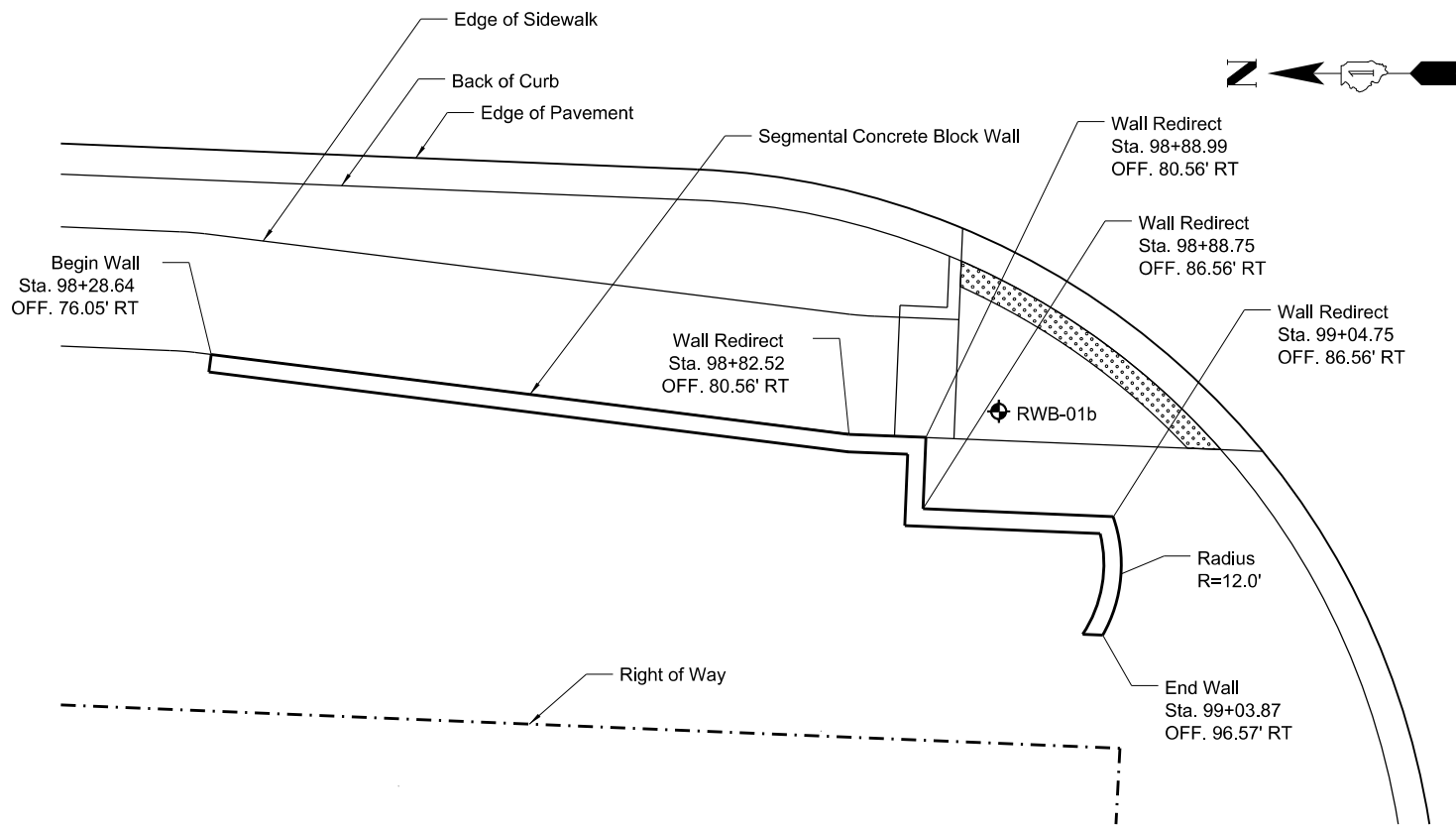
**RETAINING WALL NO. 3
 RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)**

SCALE: N/A SHEET 3 OF 12 SHEETS

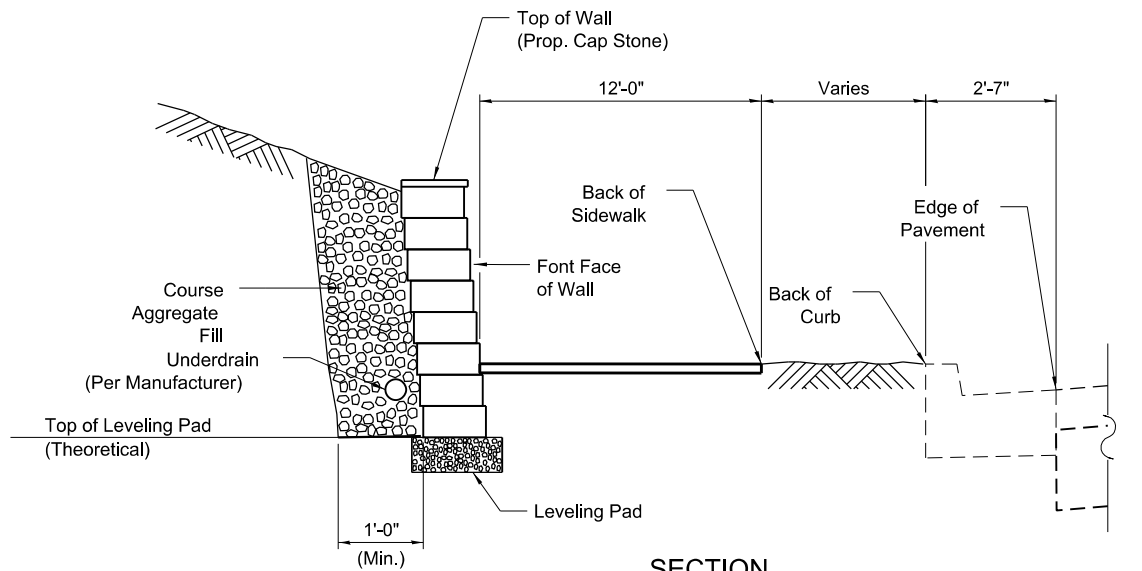
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	217
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				



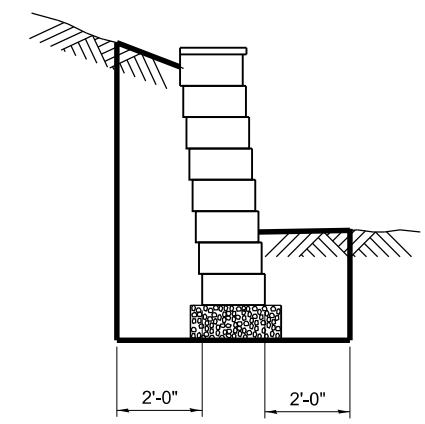
ELEVATION



PLAN



SECTION



STRUCTURE EXCAVATION LIMITS

Notes:
 Segmental concrete block wall shall be constructed in accordance with applicable portions of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Section 522 and Manufacturer's Specifications.
 Dimensions will vary depending on type of block used.
 Every other block at the end of the wall shall be cut in half to construct a vertical end. The cost for this work shall be included in the price for Segmental Concrete Block Wall.
 This work shall be measured and paid for at the contract unit price per square foot for Segmental Concrete Block Wall. The cost of Pipe Underdrain, the connection, Leveling Pad, Drainage Aggregate, and Cap Stone shall be included, and will not be paid for separately.

BILL OF MATERIAL

Item	Unit	Total
Segmental Concrete Block Wall	SQ. FT.	653
Structure Excavation	CU. YD.	126
Removal and Disposal of Unsuitable Material for Structures	CU. YD.	32

Notes:
 Offset to Front Face of Wall.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL NO. 4
 RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)**

SCALE: N/A SHEET 4 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	218
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

SOLDIER PILE DATA

Soldier Pile	Pile Size	Station	Offset	Top of Pile Elevation	Bottom of Pile Elevation	Pile Length (Ft.)	Number of Shear Studs
1	HP12x53	94+76.00	79.13 RT	895.88	870.88	25	3
2	HP12x53	94+80.00	79.06 RT	895.88	870.88	25	4
3	HP12x53	94+84.00	78.99 RT	895.88	870.88	25	5
4	HP12x53	94+88.00	78.92 RT	895.88	870.88	25	6
5	HP12x53	94+92.00	78.85 RT	895.87	870.87	25	7
6	HP12x53	94+96.00	78.77 RT	895.87	870.87	25	8
7	HP12x53	95+00.00	78.70 RT	895.87	870.87	25	9
8	HP12x53	95+04.00	78.63 RT	895.80	870.80	25	9
9	HP12x53	95+08.00	78.56 RT	895.92	870.92	25	9
10	HP12x53	95+12.00	78.49 RT	895.95	870.95	25	9
11	HP12x53	95+16.00	78.42 RT	895.98	870.98	25	9
12	HP12x53	95+20.00	78.35 RT	896.01	871.01	25	9
13	HP12x53	95+24.00	78.28 RT	896.03	871.03	25	9
14	HP12x53	95+28.00	78.21 RT	896.06	871.06	25	9
15	HP12x53	95+32.00	78.14 RT	896.09	871.09	25	9
16	HP12x53	95+36.00	78.07 RT	896.12	871.12	25	9
17 *	HP12x53	95+41.00	77.98 RT	896.15	871.15	25	9
18 *	HP12x53	95+46.00	77.89 RT	896.19	871.19	25	9
19 *	HP12x53	95+52.00	77.78 RT	896.23	871.23	25	9
20	HP12x53	95+56.00	76.71 RT	896.28	871.28	25	9
21	HP12x53	95+60.00	76.64 RT	896.34	871.34	25	9
22	HP12x53	95+64.00	77.57 RT	896.39	871.39	25	9
23	HP12x53	95+68.00	77.50 RT	896.45	871.45	25	9
24	HP12x53	95+72.00	77.43 RT	896.50	871.50	25	9
25	HP12x53	95+76.00	77.36 RT	896.55	871.55	25	9
26	HP12x53	95+80.00	77.28 RT	896.61	871.61	25	9
27	HP12x53	95+84.00	77.21 RT	896.66	871.66	25	9
28	HP12x53	95+88.00	77.14 RT	896.72	871.72	25	9
29	HP12x53	95+92.00	77.07 RT	896.77	871.77	25	9
30	HP12x53	95+96.00	77.00 RT	896.82	871.82	25	9
31	HP12x53	96+00.00	76.93 RT	896.88	871.88	25	9
32	HP12x53	96+04.00	76.86 RT	896.95	871.95	25	8
33	HP12x53	96+08.00	76.79 RT	897.02	872.02	25	7
34	HP12x53	96+12.00	76.72 RT	897.09	872.09	25	6
35	HP12x53	96+16.00	76.65 RT	897.16	872.16	25	5
36	HP12x53	96+20.00	76.58 RT	897.23	872.23	25	4
37	HP12x53	96+24.00	76.5 RT	897.30	872.30	25	3

* Spacing adjusted for 48" Dia. Concrete pipe.

SOLDIER PILE CONSTRUCTION SEQUENCE

1. Drive soldier piles.
2. Install timber lagging.
3. Place and compact backfill behind wall to top of timber lagging.
4. Install shear stud connectors.
5. Place reinforcement and form concrete wall facing.
6. Cast concrete wall facing.
7. Place remainder of backfill to proposed ground surface elevations on both sides of wall (backfill front side of wall as much as possible before backfilling is completed).

Notes:

In order to minimize excessive deflection and/or stresses in the soldier piles, compaction equipment used within 4 ft of the back face of the timber lagging shall be limited to lightweight mechanical tampers, rollers, or vibratory systems.

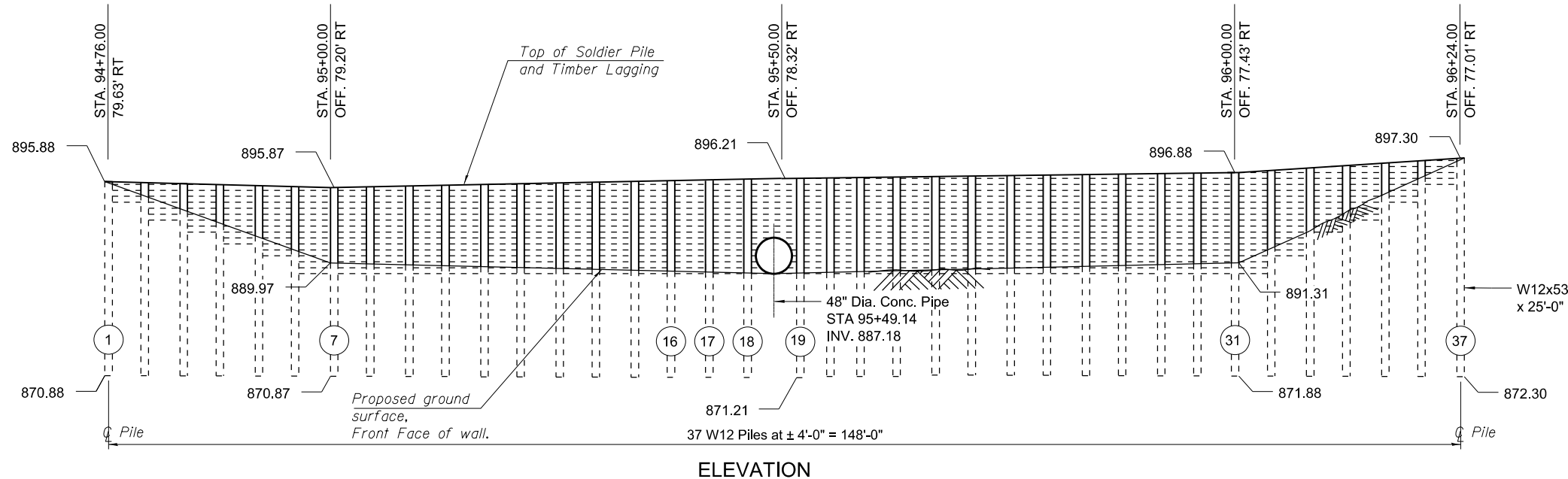
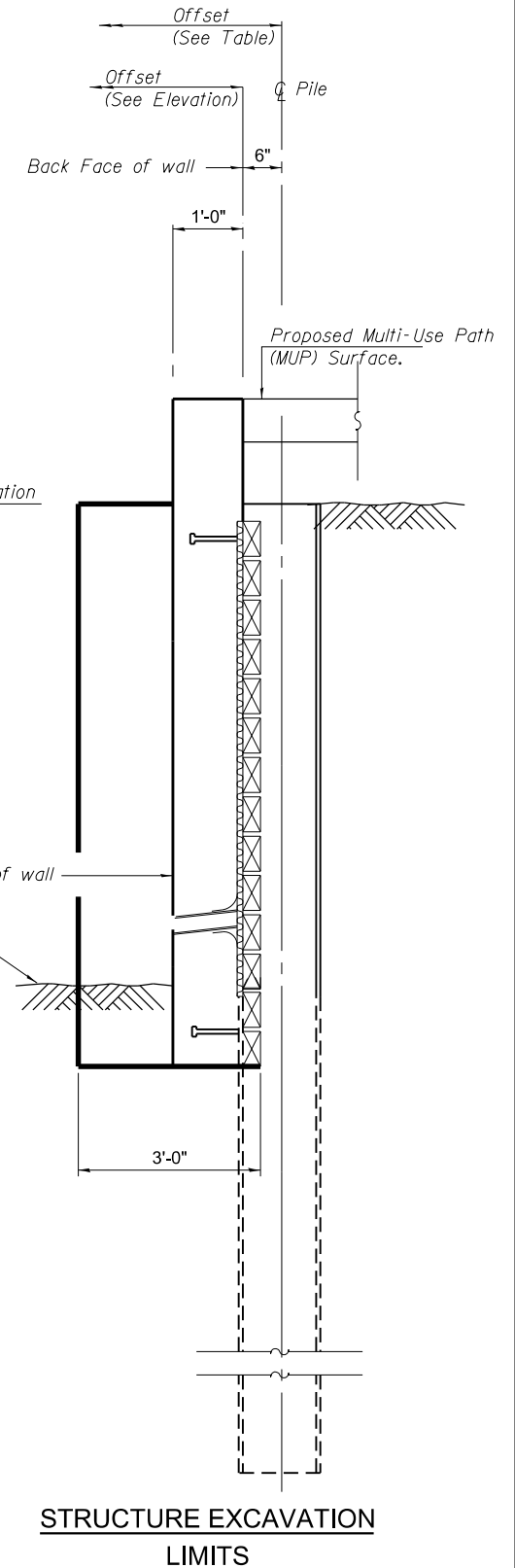
The Contractor is responsible for the design and performance of the timber lagging using no less than a 3 inch nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.

Dimensions, elevations, and offsets are provided for general layout purposes. Final pile locations and elevations are subject to construction tolerances and field adjustments. Final layout to be approved by Engineer.

Reinforcement bars designated (E) shall be epoxy coated.

The pile station and offset listed in the Soldier Pile Data table is to the center of piles.

The offset shown in elevation is to the edge of MUP / Back Face of Wall.



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**STATE OF ILLINOIS
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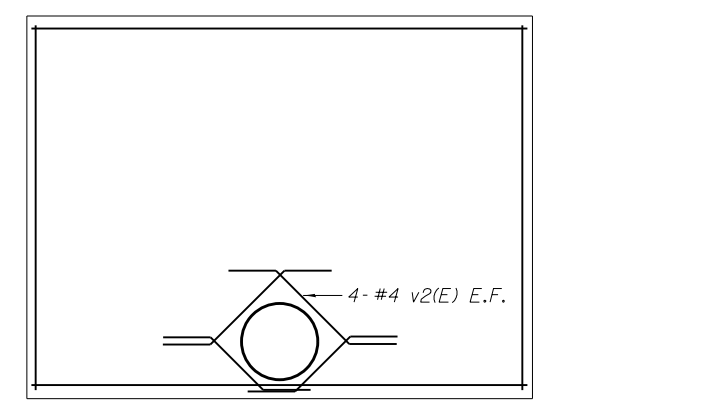
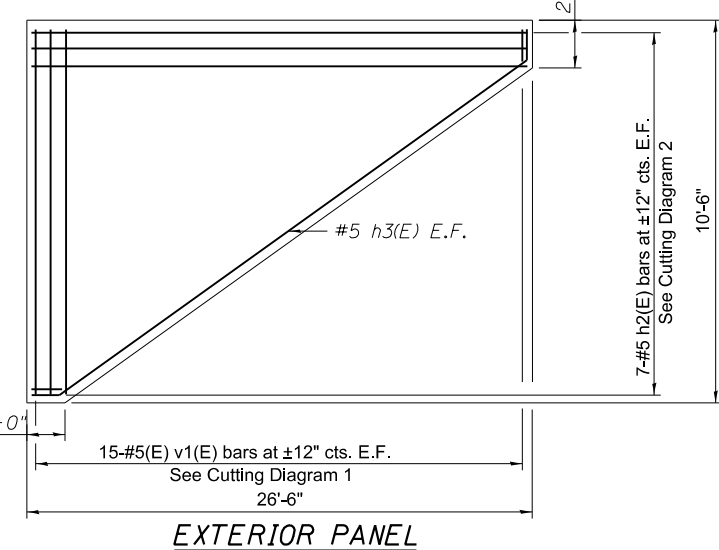
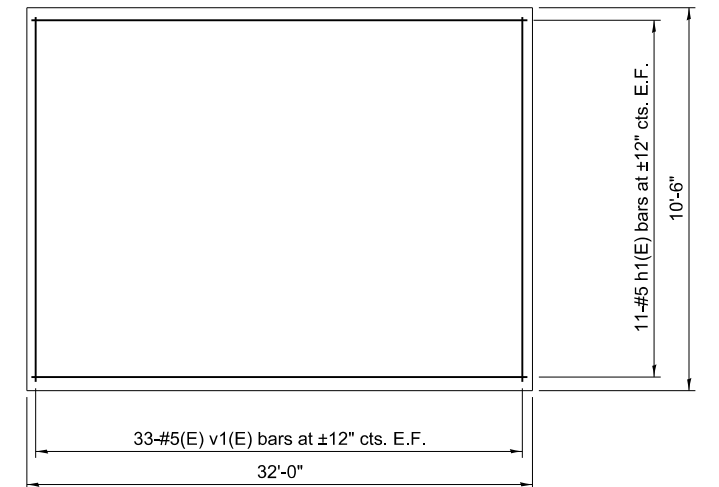
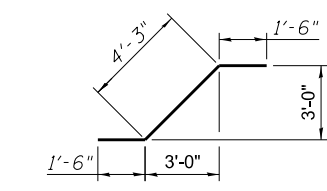
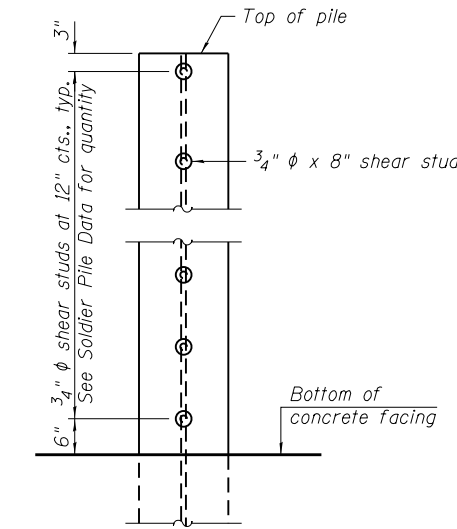
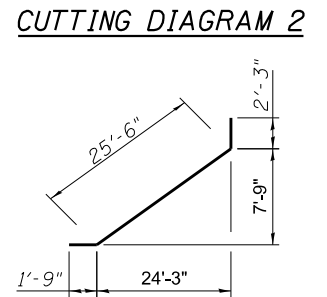
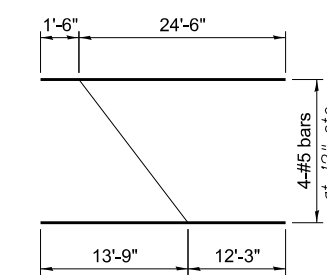
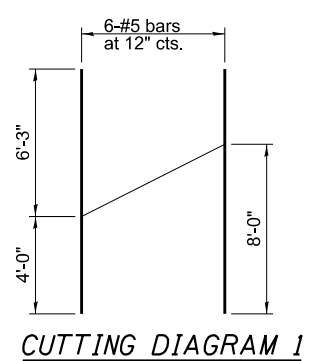
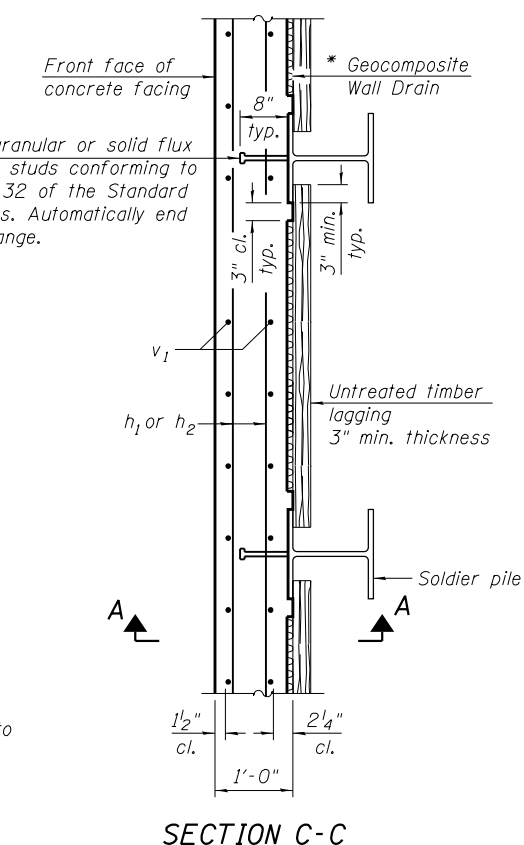
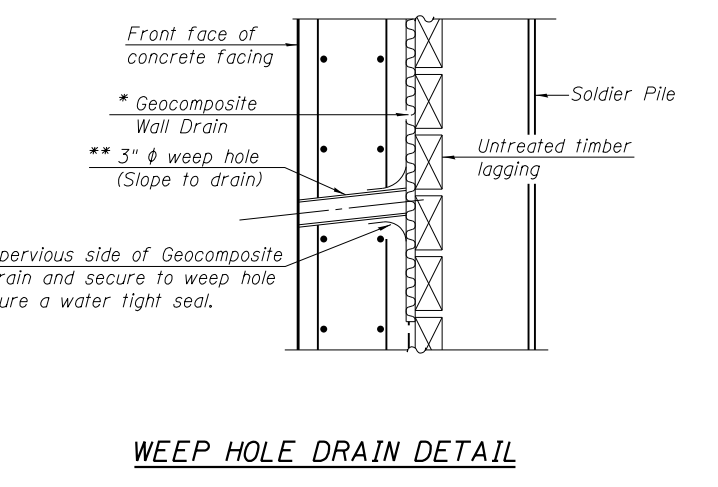
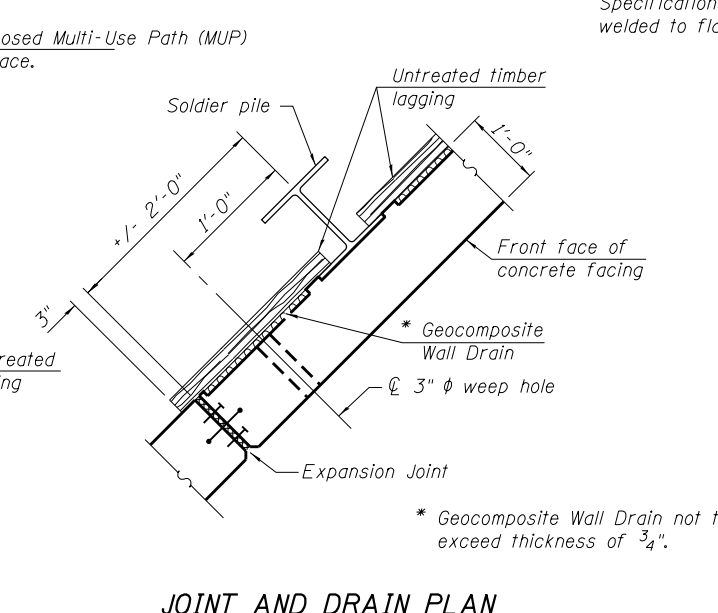
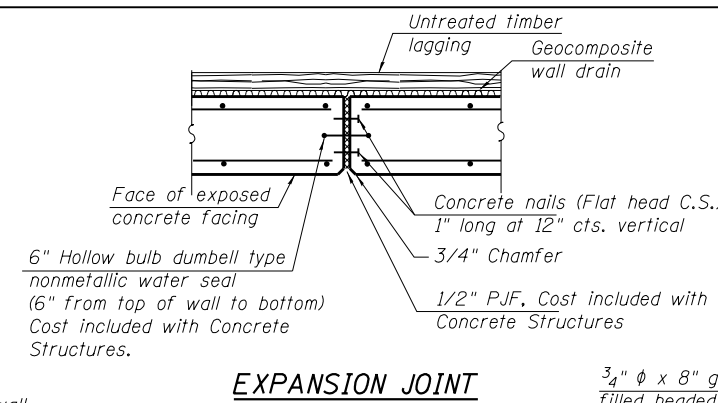
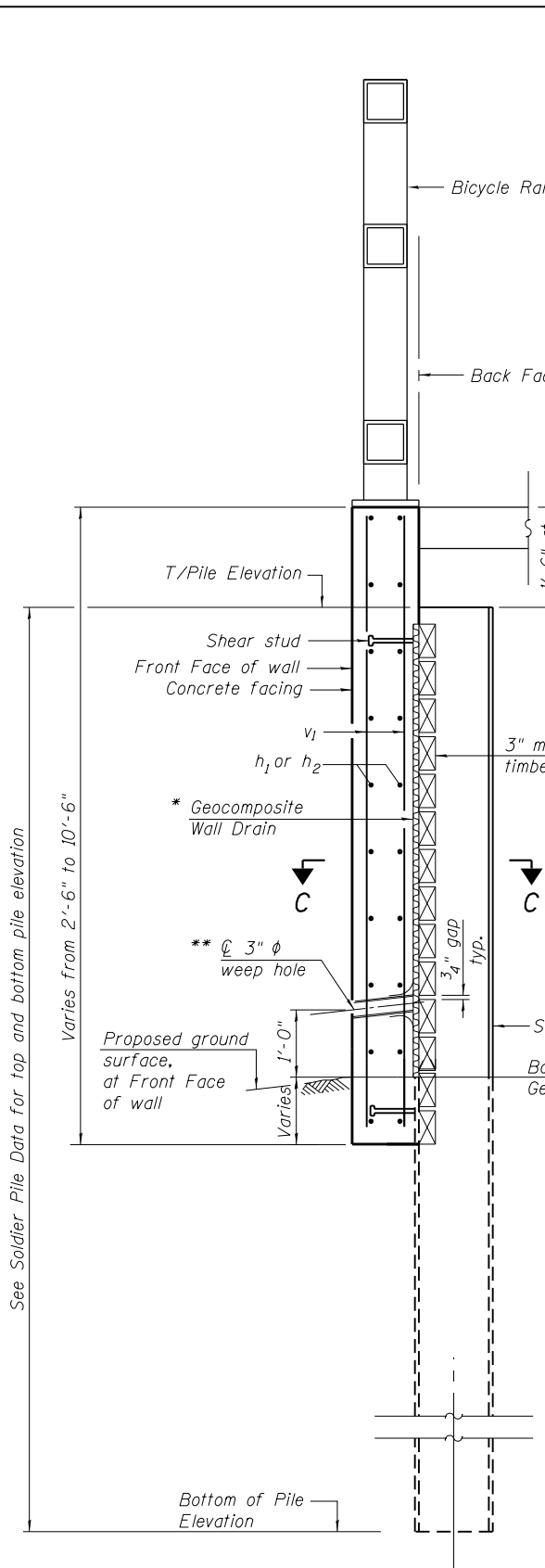
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RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)**

SCALE: N/A SHEET 5 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	219
CONTRACT NO. 61L28				

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PIPE PENETRATION PANEL
 Field cut h1(E) and v1(E) bars within 2" of 48" pipe as required.
 Field brush with epoxy paint the cut ends of bars.

SECTION A-A

EXPANSION JOINT

JOINT AND DRAIN PLAN

WEEP HOLE DRAIN DETAIL

SECTION C-C

SHEAR STUD DETAIL

CUTTING DIAGRAM 1

CUTTING DIAGRAM 2

Bar h3(E)

Bar v2(E)

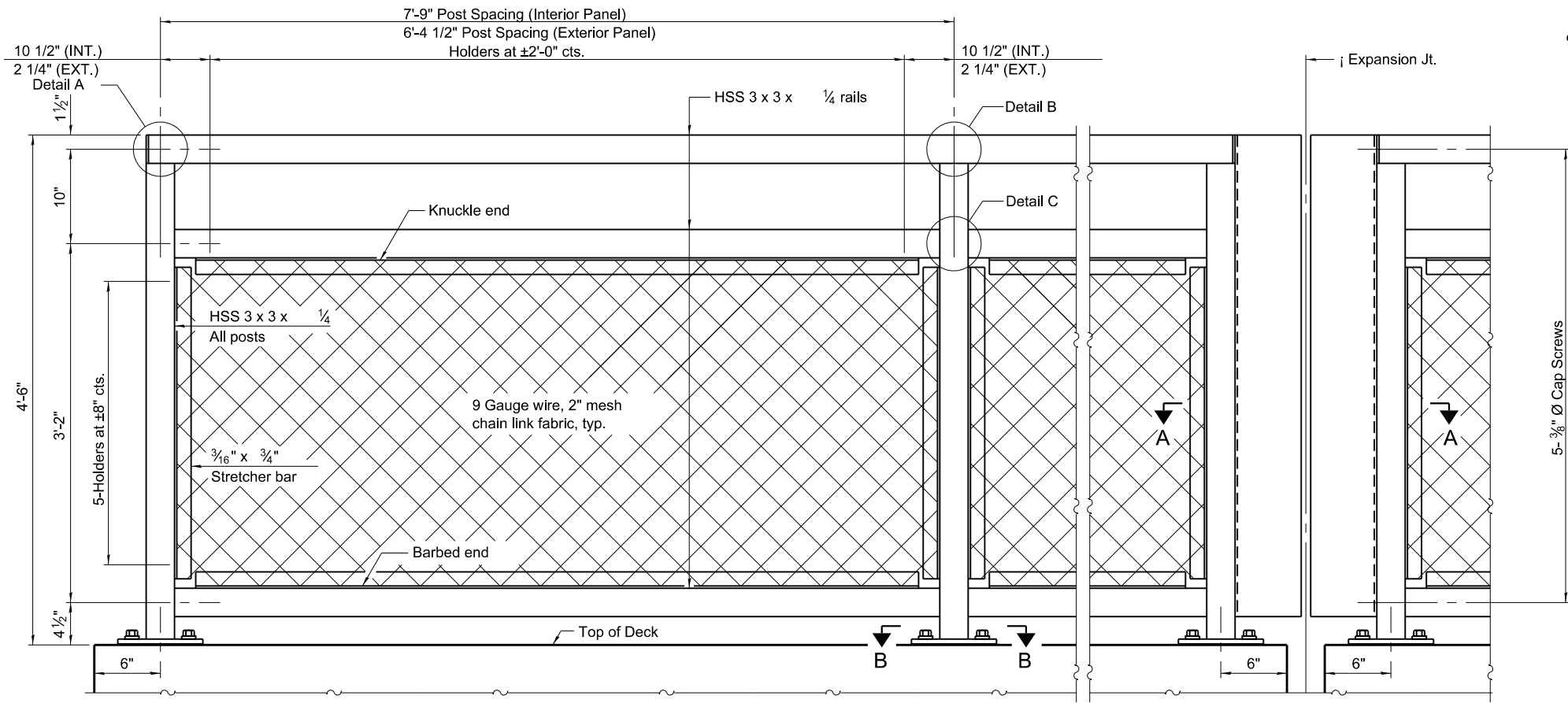


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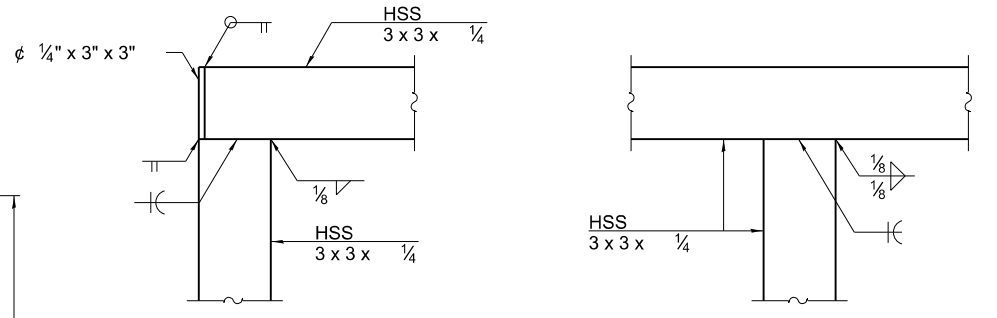
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RETAINING WALL NO. 3
 RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)
 SCALE: N/A SHEET 6 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61L28				
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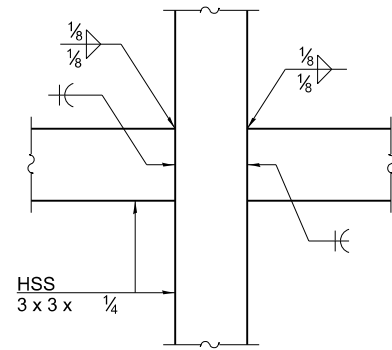


ELEVATION BICYCLE RAILING
(Inside face)

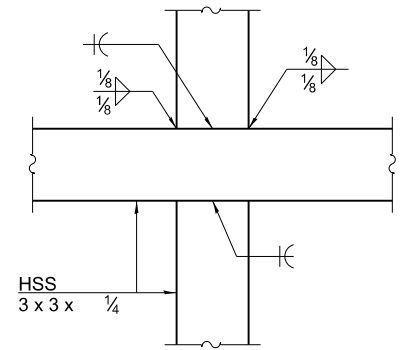


DETAIL A

DETAIL B



DETAIL C



DETAIL D

RAILING CRITERIA

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

(Sheet 1 of 2)

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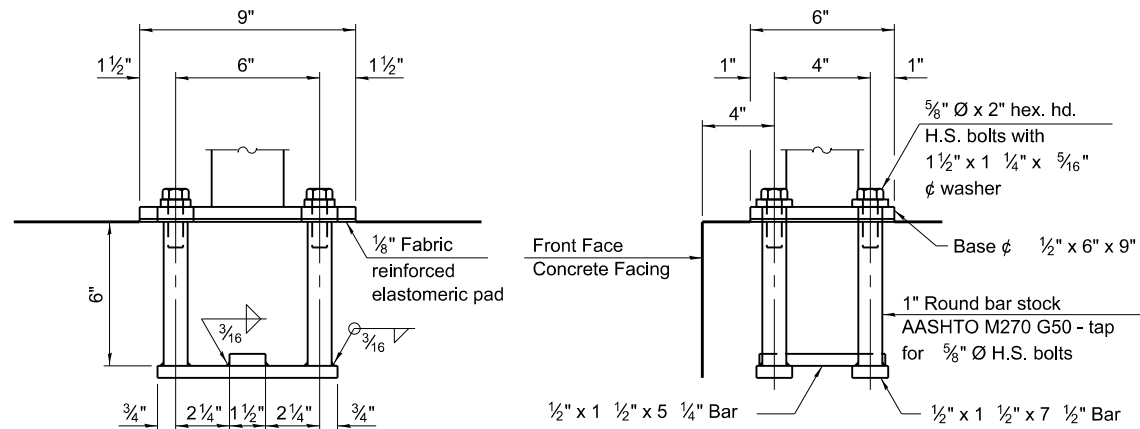
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BICYCLE RAILING AND PARAPET RAILING
RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	221
CONTRACT NO. 61L28				

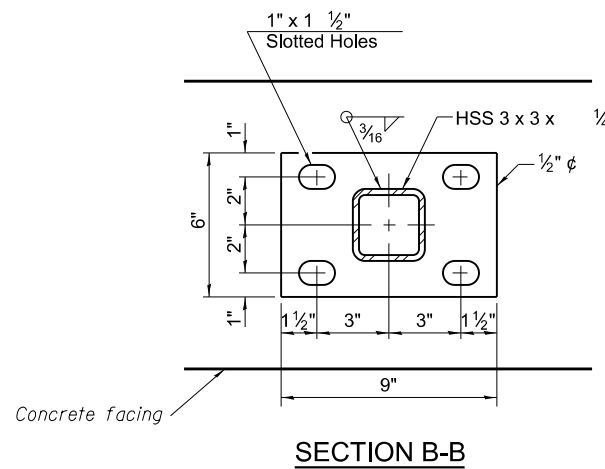
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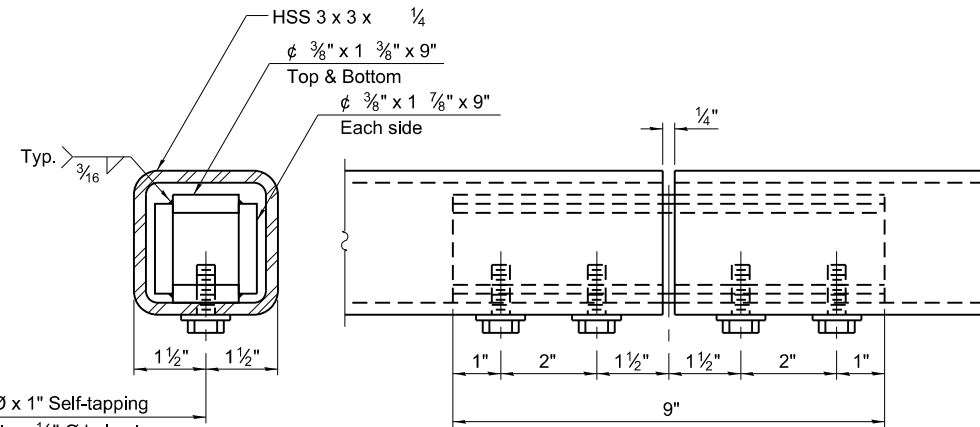


ANCHORAGE ASSEMBLY

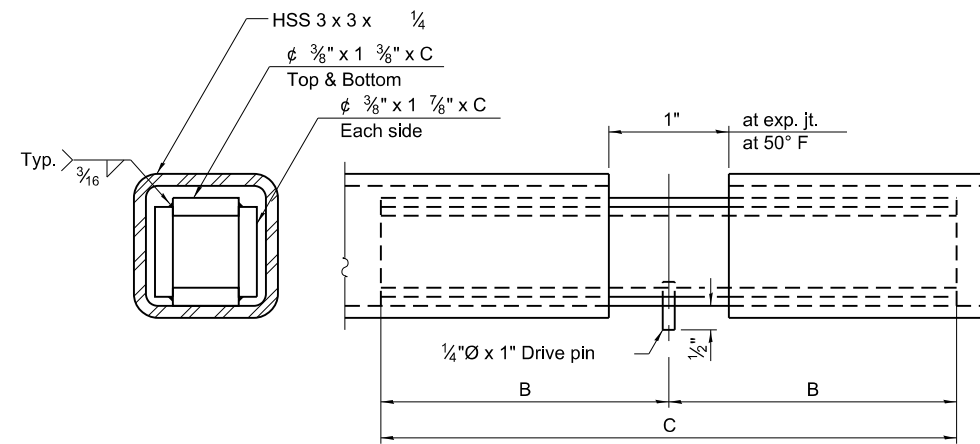
The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



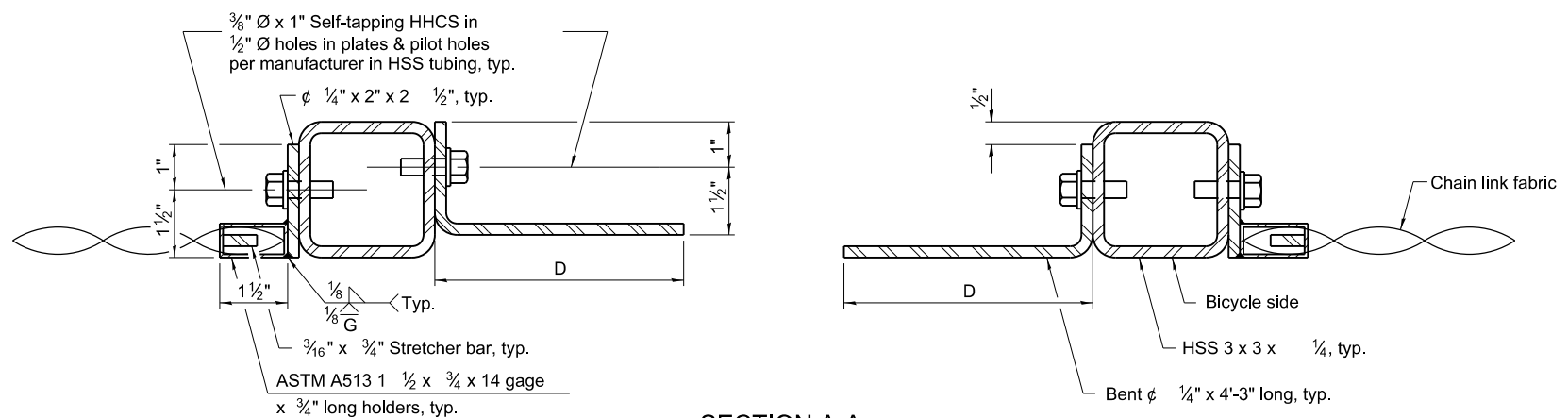
SECTION B-B



MATERIAL SPLICE



EXPANSION SPLICE



SECTION A-A

TABLE OF DIMENSIONS

Location	T	A	B	C	D	E
Over Strip Seal Jt.	≤4"	2 1/2"	1'-2"	2'-4"	7 1/4"	7"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	1'-7 3/4"	3'-3 1/2"		
Over Finger or Modular Jt.	≤15"	8 1/2"	2'-1 1/4"	4'-2 1/2"		

T= ; total movement based on total temperature range from -20°F to 120°F along centerline of roadway at expansion joint.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	148

(Sheet 2 of 2)

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PLOT SCALE =	CHECKED - M. WILLEY	REVISED -
PLOT DATE =	DRAWN - P. DOMBROWSKI	REVISED -
	CHECKED - M. WILLEY	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BICYCLE RAILING AND PARAPET RAILING
RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)**

SCALE: N/A SHEET 8 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	222
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				



File No. 27575 **BORING LOG** 1A
 Client BLA, INC. Sheet 1 of 1
 Project Randall Rd. & Higgins Rd. Retaining Walls Date 12/8/23
 Location Elgin, IL Drilled By AQ
 Equipment D - 50 H.A. Other Logged By CS

Elev., ft.	Description	Depth, ft.	0	S	T	R	B	N	Pen.	W	Uw	Qu
908.0'	Topsoil - Fill - 3.0'											
	Dark brown silt, some clay, trace sand, damp - Fill		1	J						17.6		
	Black silt, some clay & gravel, trace sand, damp - Fill		2	J						17.1		
	Brown fine sand, some silt, trace medium-coarse sand, very damp		3	J						11.1		
	End of Boring		5									
			10									
			15									
			20									

Water Level — depth, ft. elev., ft.
 - while drilling: dry _____
 - after drilling: dry _____
 - hrs. after drilling: _____ _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
 B - Standard Penetration Test(SPT), blows/ 6" interval W - water content, %
 N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
 Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs/cu. ft.
 Qu - unconfined compressive strength, tons/sq. ft.

F-111b-1



File No. 27575 **BORING LOG** 1B
 Client BLA, INC. Sheet 1 of 1
 Project Randall Rd. & Higgins Rd. Retaining Walls Date 12/8/23
 Location Elgin, IL Drilled By AQ
 Equipment D - 50 H.A. Other Logged By CS

Elev., ft.	Description	Depth, ft.	0	S	T	R	B	N	Pen.	W	Uw	Qu
905.0'	Dark brown-black silt, some clay & sand, trace gravel & roots, damp (topsoil) - Fill		1	J						14.7		
	Black silt, gravel & sand, damp - Fill		2	J						8.8		
	Brown-gray fine sand, trace medium-coarse sand, damp - Fill		3	J						5.6		
	End of Boring		5									
			10									
			15									
			20									

Water Level — depth, ft. elev., ft.
 - while drilling: dry _____
 - after drilling: dry _____
 - hrs. after drilling: _____ _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
 B - Standard Penetration Test(SPT), blows/ 6" interval W - water content, %
 N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
 Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs/cu. ft.
 Qu - unconfined compressive strength, tons/sq. ft.

F-111b-1

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USER NAME =	DESIGNED - P. DOMBROWSKI	REVISED -
PLOT SCALE =	CHECKED - M. WILLEY	REVISED -
PLOT DATE =	DRAWN - P. DOMBROWSKI	REVISED -
	CHECKED - M. WILLEY	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I
RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)

SCALE: N/A SHEET 9 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	223
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

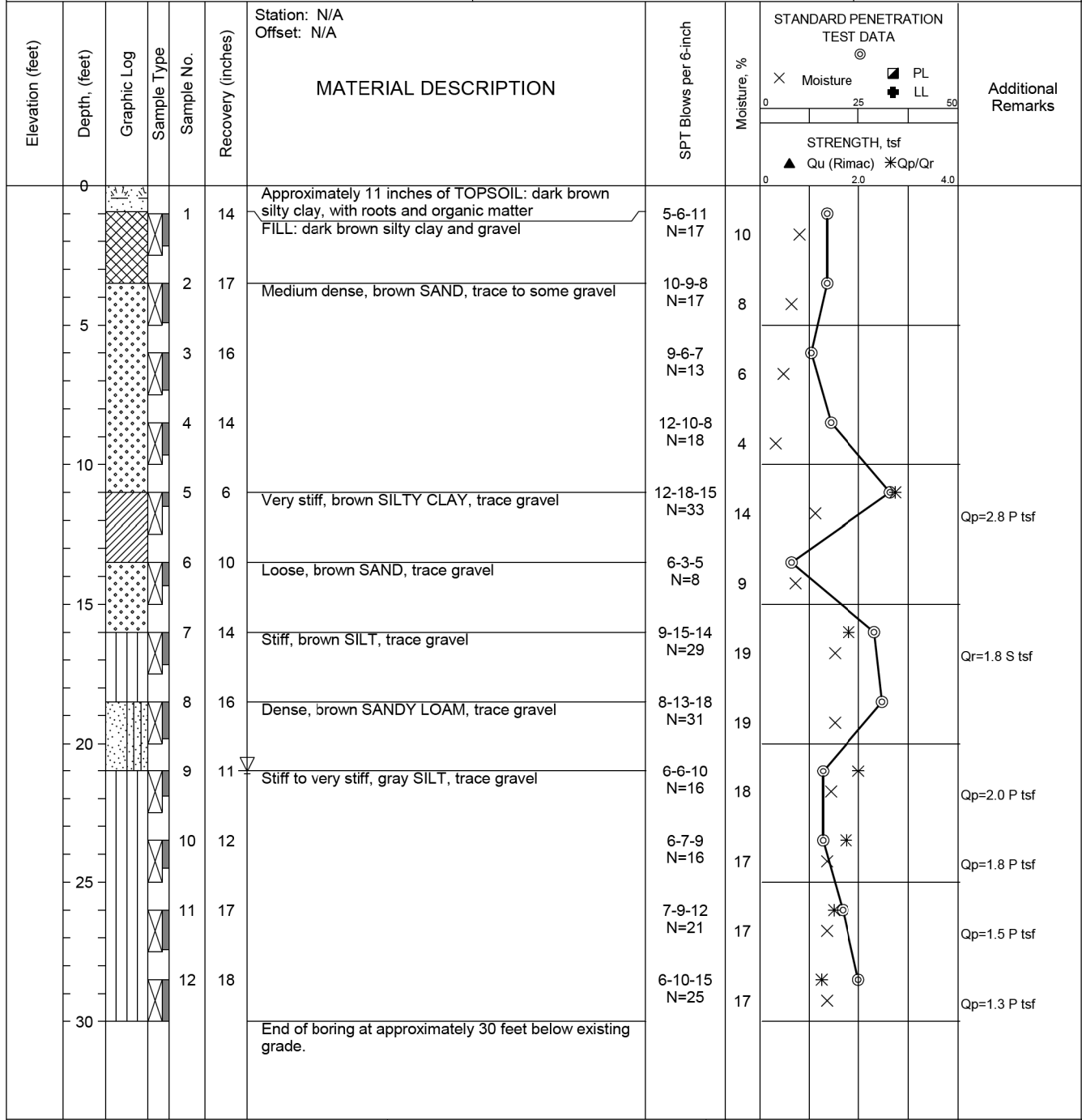


Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING RWB-01a

Sheet 1 of 1

Rubino Job No.: G24.229	Drilling Method: 3 1/4 Hollow Stem Auger	WATER LEVELS***	
Project: Randall Rd Retaining Wall	Sampling Method: Split Spoon	While Drilling	21 ft
Location: Randall Road just south of IL 72	Hammer Type: Automatic	Upon Completion	N/A
City, State: Kane County, Illinois	Boring Location: NB ROW of Randall Rd	Delay	N/A
Client: S.T.A.T.E Testing, LLC	~1 ft E from back of curb		



Completion Depth: 30.0 ft	Sample Types: <input type="checkbox"/> Auger Cutting <input type="checkbox"/> Split-Spoon <input type="checkbox"/> Rock Core	<input type="checkbox"/> Pressuremeter <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Grab Sample <input type="checkbox"/> No Recovery	Latitude: 42.1023611 Longitude: -88.3350278 Drill Rig: Geoprobe 3126GT Remarks: Hole collapse at ~16 ft after drilling Log Entry: J. Ignarski Checked By: A. Tomaras
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The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

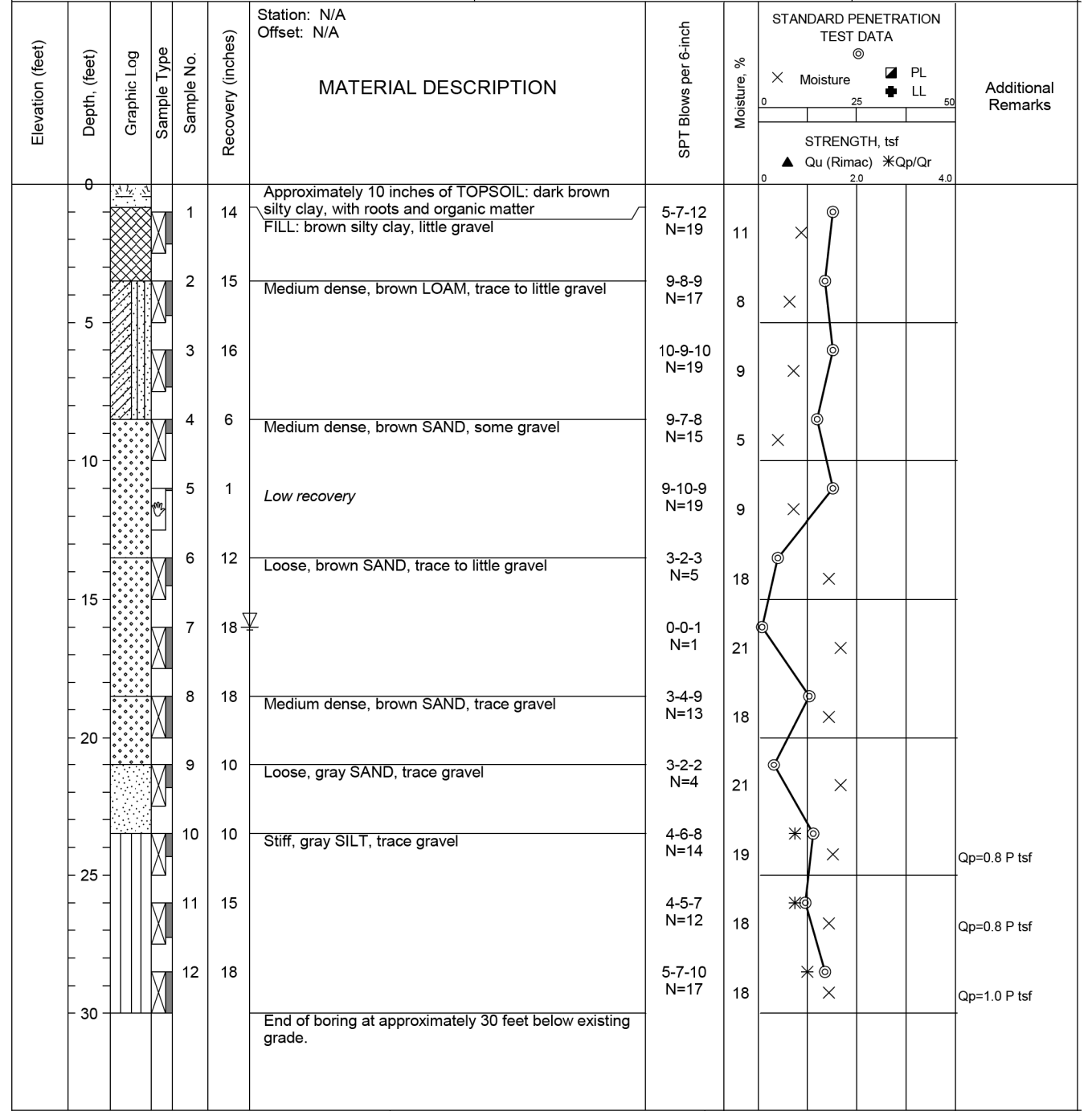


Rubino Engineering, Inc.
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Fax: 847-931-1560

LOG OF BORING RWB-02a

Sheet 1 of 1

Rubino Job No.: G24.229	Drilling Method: 3 1/4 Hollow Stem Auger	WATER LEVELS***	
Project: Randall Rd Retaining Wall	Sampling Method: Split Spoon	While Drilling	16 ft
Location: Randall Road just south of IL 72	Hammer Type: Automatic	Upon Completion	N/A
City, State: Kane County, Illinois	Boring Location: NB ROW of Randall Rd	Delay	N/A
Client: S.T.A.T.E Testing, LLC	~2 ft E from back of curb		



Completion Depth: 30.0 ft	Sample Types: <input type="checkbox"/> Auger Cutting <input type="checkbox"/> Split-Spoon <input type="checkbox"/> Rock Core	<input type="checkbox"/> Pressuremeter <input type="checkbox"/> Shelby Tube <input type="checkbox"/> Grab Sample <input type="checkbox"/> No Recovery	Latitude: 42.1017420 Longitude: -88.3350483 Drill Rig: Geoprobe 3126GT Remarks: Hole collapse at ~10 ft after drilling Log Entry: J. Ignarski Checked By: A. Tomaras
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The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

MODEL: Default
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	CHECKED - M. WILLEY	REVISED -
PLOT SCALE =	DRAWN - P. DOMBROWSKI	REVISED -
PLOT DATE =	CHECKED - M. WILLEY	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II
RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)

SCALE: N/A SHEET 10 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	224
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

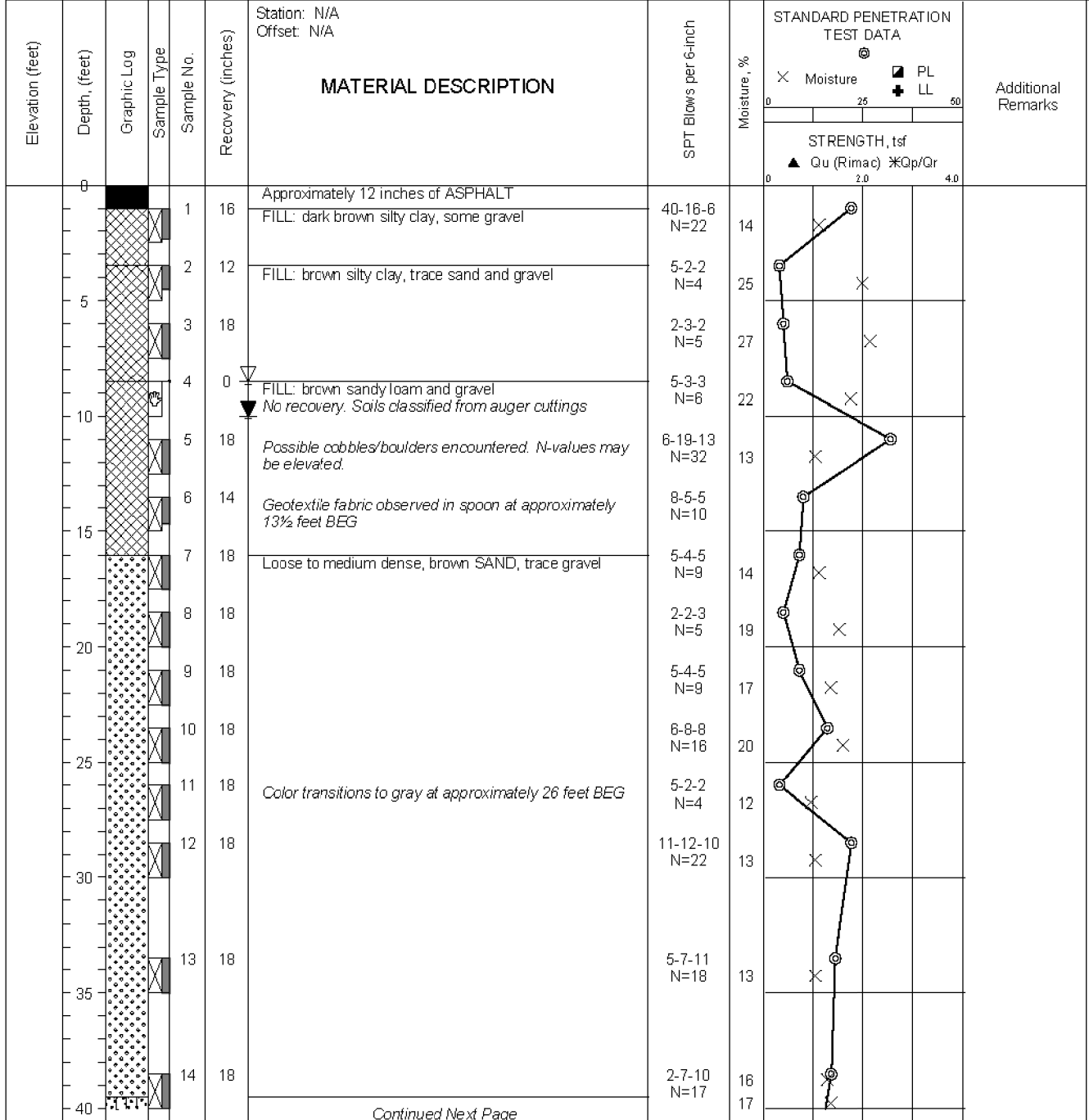


Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING SPB-01

Sheet 1 of 2

Rubino Job No.: G25.028	Drilling Method: 3 1/4 Hollow Stem Auger	WATER LEVELS***
Project: Randall Road at IL Route 72	Sampling Method: Split Spoon	▽ While Drilling 8.5 ft
Location: Randall Road at IL Route 72 (Higgins)	Hammer Type: Automatic	▼ Upon Completion 10 ft
City, State: Kane County, Illinois	Boring Location: Soldier Pile Wall Location	▽ Delay N/A
Client: STATE Testing, LLC	SB shoulder of Randall, N of IL 72	



Completion Depth: 50.0 ft	Sample Types:	Pressuremeter	Latitude: 42.1044285
Date Boring Started: 2/21/25	Auger Cutting	Shelby Tube	Longitude: -88.3354258
Date Boring Completed: 2/21/25	Split-Spoon	Grab Sample	Drill Rig: Geoprobe 3126GT
Logged By: H.G.	Rock Core	No Recovery	Remarks: Boring offset to shoulder due to utilities
Drilling Contractor: Rubino Engineering, Inc.			Log Entry: J. Ignarski
			Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

Continued Next Page

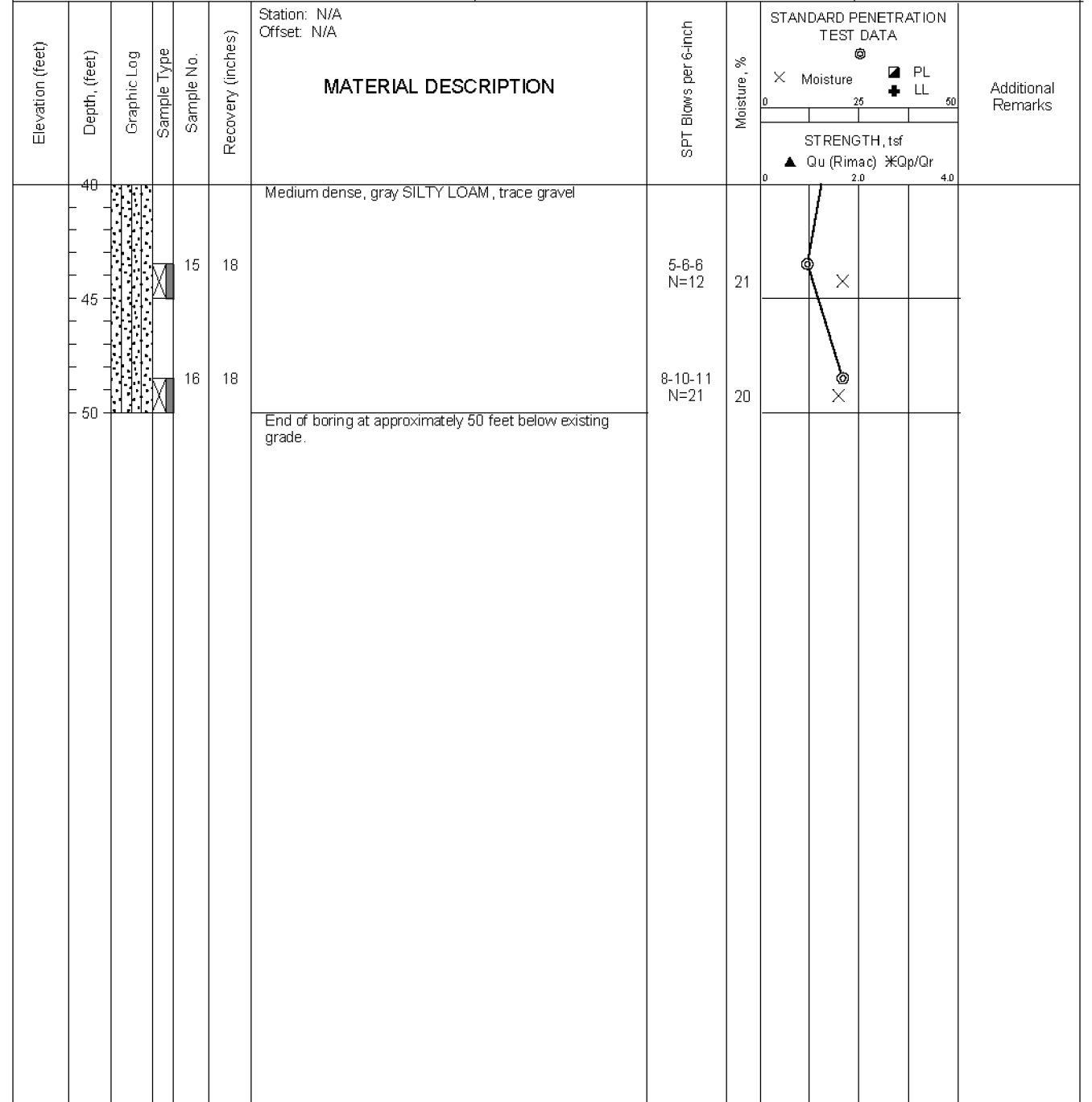


Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING SPB-01

Sheet 2 of 2

Rubino Job No.: G25.028	Drilling Method: 3 1/4 Hollow Stem Auger	WATER LEVELS***
Project: Randall Road at IL Route 72	Sampling Method: Split Spoon	▽ While Drilling 8.5 ft
Location: Randall Road at IL Route 72 (Higgins)	Hammer Type: Automatic	▼ Upon Completion 10 ft
City, State: Kane County, Illinois	Boring Location: Soldier Pile Wall Location	▽ Delay N/A
Client: STATE Testing, LLC	SB shoulder of Randall, N of IL 72	



Completion Depth: 50.0 ft	Sample Types:	Pressuremeter	Latitude: 42.1044285
Date Boring Started: 2/21/25	Auger Cutting	Shelby Tube	Longitude: -88.3354258
Date Boring Completed: 2/21/25	Split-Spoon	Grab Sample	Drill Rig: Geoprobe 3126GT
Logged By: H.G.	Rock Core	No Recovery	Remarks: Boring offset to shoulder due to utilities
Drilling Contractor: Rubino Engineering, Inc.			Log Entry: J. Ignarski
			Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

MODEL: Default
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6/19/2025 12:47:11 PM



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	CHECKED - M. WILLEY	REVISED -
PLOT SCALE =	DRAWN - P. DOMBROWSKI	REVISED -
PLOT DATE =	CHECKED - M. WILLEY	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS III
RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)

SCALE: N/A SHEET 11 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	225
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				



Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
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Fax: 847-931-1560

LOG OF BORING RWB-01 b

Sheet 1 of 1

Rubino Job No.: G25.028	Drilling Method: 3 1/4 Hollow Stem Auger	WATER LEVELS***
Project: Randall Road at IL Route 72	Sampling Method: Split Spoon	While Drilling 13.5 ft
Location: Randall Road at IL Route 72 (Higgins)	Hammer Type: Automatic	Upon Completion N/A
City, State: Kane County, Illinois	Boring Location: Modular Block Wall Location	Delay N/A
Client: STATE Testing, LLC	NW corner of Randall and IL 72	

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Station: N/A Offset: N/A	SPT Blows per 6-inch	Moisture, %	STRENGTH, tsf	Additional Remarks
0	0			1	18	Approximately 6 inches of TOPSOIL: dark brown silty clay, some roots		5-5-10 N=15	5		
	5			2	18	Medium dense, brown SANDY LOAM, some interbedded clay lenses		10-11-9 N=20	5		
	10			3	12	Medium dense, brown SAND, little to some gravel		5-6-9 N=15	4		
	15			4	8			5-6-8 N=14	6		
				5	18			6-6-9 N=15	6		
				6	18			6-7-4 N=11	10		
	15					End of boring at approximately 15 feet below existing grade.					

Completion Depth: 15.0 ft	Sample Types:	Latitude: 42.1036289
Date Boring Started: 2/21/25	Auger Cutting	Longitude: -88.3355193
Date Boring Completed: 2/21/25	Split-Spoon	Drill Rig: Geoprobe 3126GT
Logged By: H.G.	Rock Core	Remarks: Hole collapse at ~6 feet BEG after
Drilling Contractor: Rubino Engineering, Inc.		Log Entry: J. Ignarski
		Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

MODEL: Default
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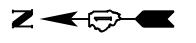
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PLOT SCALE =	CHECKED - M. WILLEY	REVISED -
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	CHECKED - M. WILLEY	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

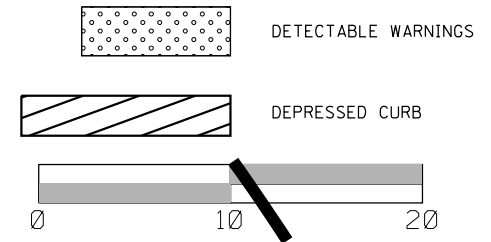
BORING LOGS IV
RANDALL ROAD AT HIGGINS ROAD (IL ROUTE 72)

SCALE: N/A SHEET 12 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	226
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				



LEGEND

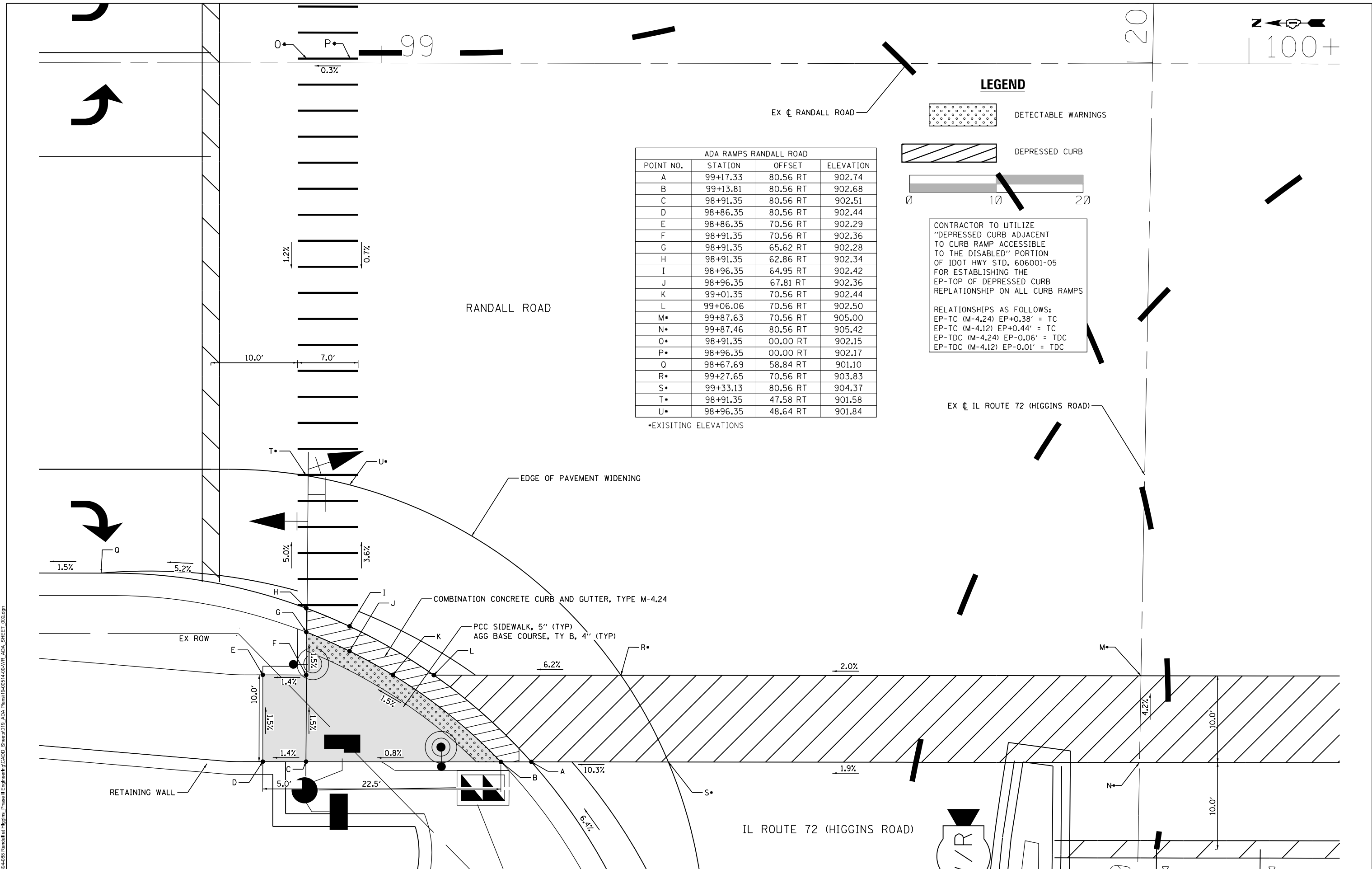


CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE EP-TOP OF DEPRESSED CURB REPLATIONSHIP ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:
 EP-TC (M-4.24) EP+0.38' = TC
 EP-TC (M-4.12) EP+0.44' = TC
 EP-TDC (M-4.24) EP-0.06' = TDC
 EP-TDC (M-4.12) EP-0.01' = TDC

ADA RAMPS RANDALL ROAD			
POINT NO.	STATION	OFFSET	ELEVATION
A	99+17.33	80.56 RT	902.74
B	99+13.81	80.56 RT	902.68
C	98+91.35	80.56 RT	902.51
D	98+86.35	80.56 RT	902.44
E	98+86.35	70.56 RT	902.29
F	98+91.35	70.56 RT	902.36
G	98+91.35	65.62 RT	902.28
H	98+91.35	62.86 RT	902.34
I	98+96.35	64.95 RT	902.42
J	98+96.35	67.81 RT	902.36
K	99+01.35	70.56 RT	902.44
L	99+06.06	70.56 RT	902.50
M*	99+87.63	70.56 RT	905.00
N*	99+87.46	80.56 RT	905.42
O*	98+91.35	00.00 RT	902.15
P*	98+96.35	00.00 RT	902.17
Q	98+67.69	58.84 RT	901.10
R*	99+27.65	70.56 RT	903.83
S*	99+33.13	80.56 RT	904.37
T*	98+91.35	47.58 RT	901.58
U*	98+96.35	48.64 RT	901.84

*EXISTING ELEVATIONS



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BLA, Inc.

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PLOT DATE = 6/19/2025	CHECKED - GJE	REVISED -
	DATE - 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 2 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 228
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				



EX ROW

RANDALL ROAD

COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24

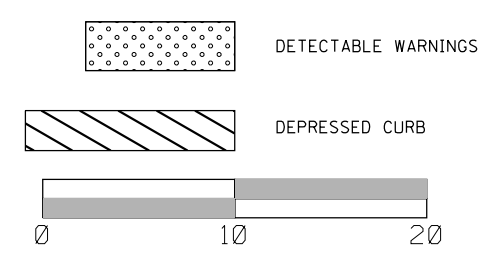
PCC SIDEWALK, 5" (TYP)
AGG BASE COURSE, TY B, 4" (TYP)

EX CL RANDALL ROAD

ADA RAMPS RANDALL ROAD			
POINT NO.	STATION	OFFSET	ELEVATION
A	99+37.52	148.26 LT	895.46
B	99+34.87	145.75 LT	895.40
C	99+27.68	138.91 LT	895.55
D	99+27.09	130.07 LT	895.70
E	98+92.69	78.36 LT	900.48
F	98+87.69	75.71 LT	900.57
G	98+91.22	69.64 LT	900.68
H	98+91.22	66.78 LT	900.74
I	98+96.22	69.35 LT	900.65
J	98+96.22	72.32 LT	900.59
K	99+34.99	137.27 LT	895.41
L	99+37.30	139.78 LT	895.59
M*	98+91.23	53.32 LT	901.05
N*	98+96.24	54.07 LT	901.02
O*	99+41.32	139.78 LT	895.75
P*	99+41.93	148.27 LT	895.33
Q	99+16.27	89.10 LT	898.80 (TC)
R	99+10.93	93.63 LT	898.70
S	99+29.59	111.61 LT	897.00 (TC)
T	99+23.05	114.10 LT	896.90
U	99+34.02	129.15 LT	895.81 (TC)
V	99+00.26	83.45 LT	899.81
W	99+04.53	77.90 LT	899.91 (TC)

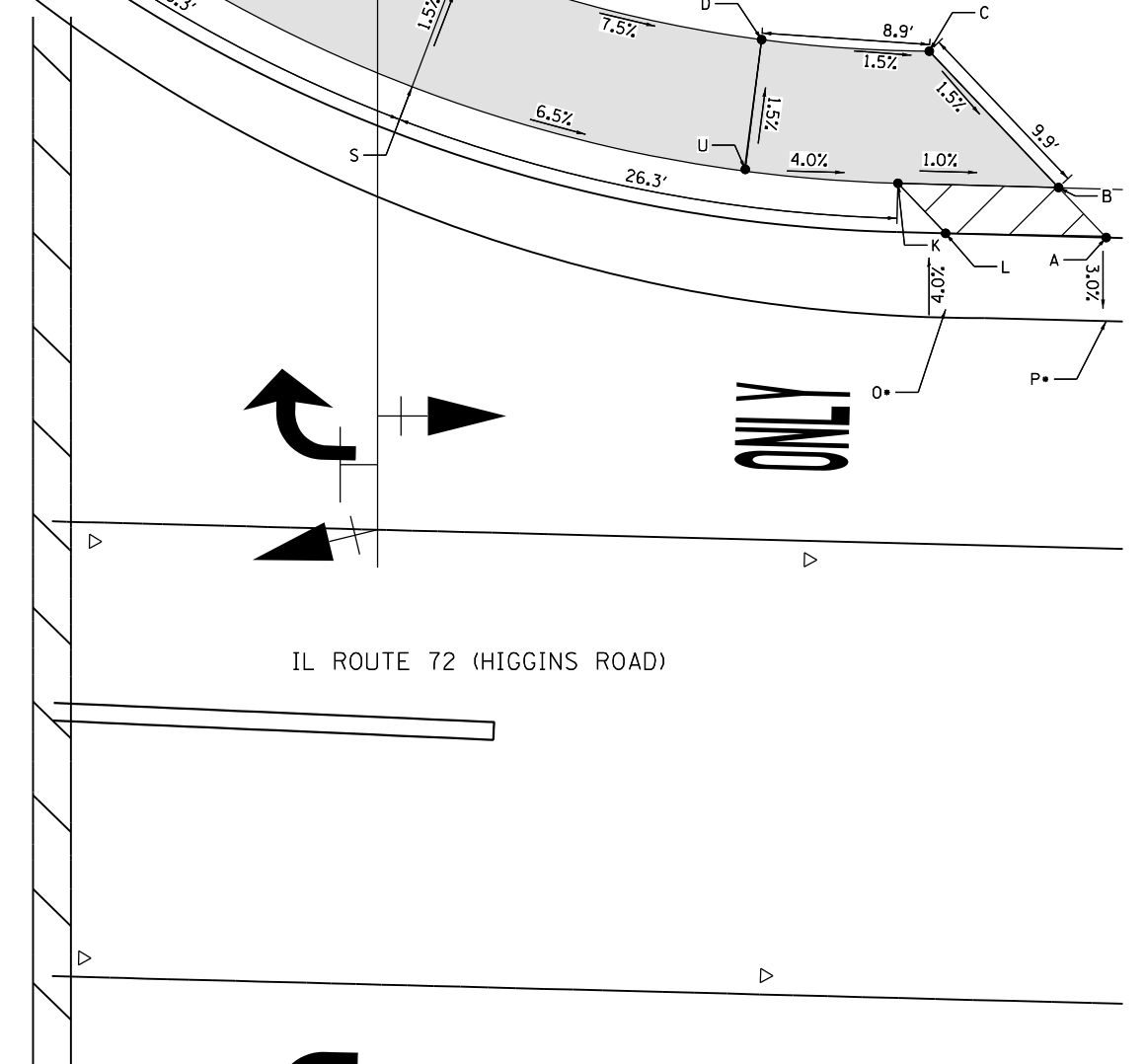
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LEGEND



CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE EP-TOP OF DEPRESSED CURB REPLATIONSHIP ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:
 EP-TC (M-4.24) EP+0.38' = TC
 EP-TC (M-4.12) EP+0.44' = TC
 EP-TDC (M-4.24) EP-0.06' = TDC
 EP-TDC (M-4.12) EP-0.01' = TDC



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PLOT DATE = 7/14/2025	CHECKED - GJE	REVISED -
	DATE - 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
ADA RAMP DETAILS**

SCALE: 1"=5' SHEET 3 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 229
CONTRACT NO. 61L28				

ILLINOIS FED. AID PROJECT

302

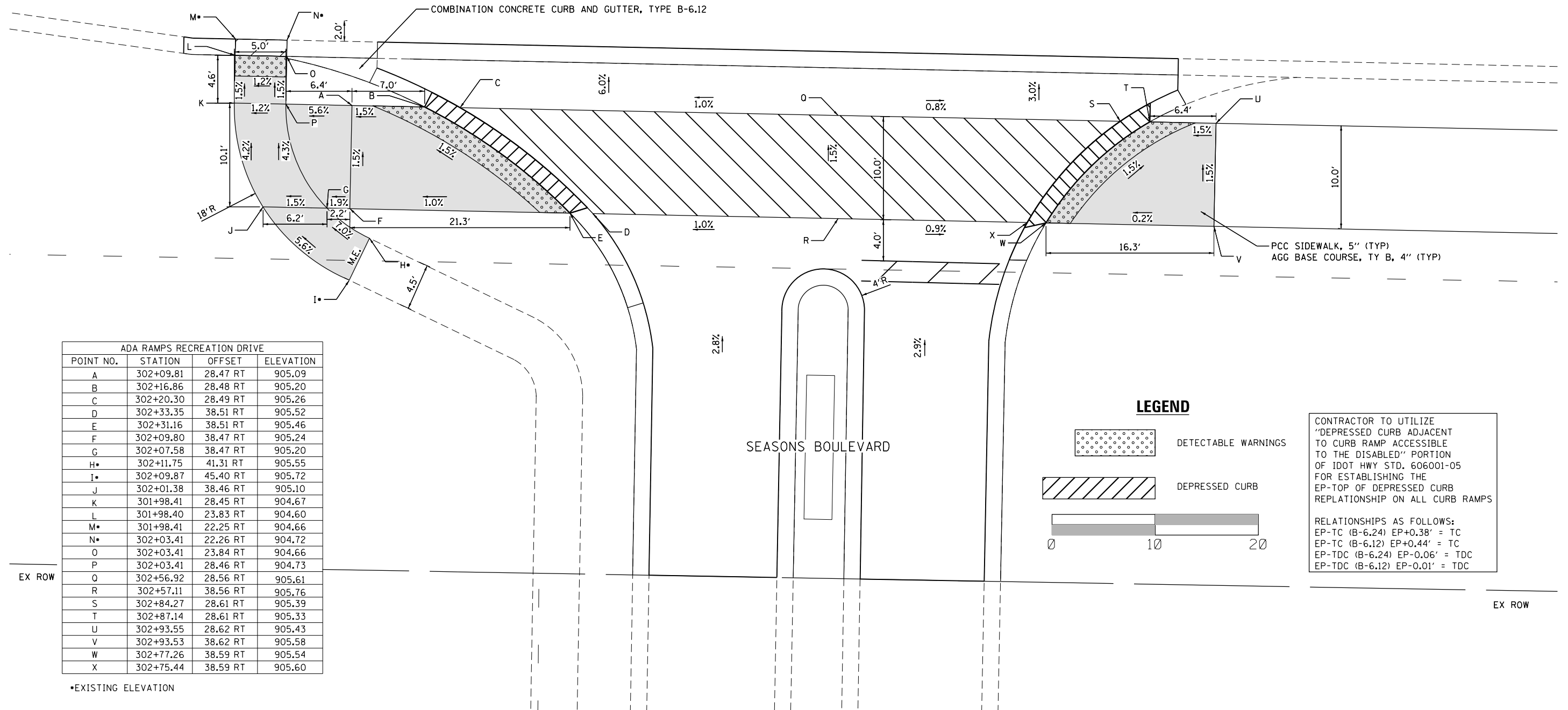
303



RECREATION DRIVE:
FOR THE ADA RAMP THE EXISTING EDGE OF PAVEMENT SHALL BE SAWCUT PRIOR TO PAVEMENT REMOVAL AND REPLACEMENT TO ENSURE A NEAT PAVEMENT EDGE. BACKFILL AREAS ADJACENT TO COMBINATION CURB AND GUTTER REMOVAL AND PROPOSED COMBINATION CURB AND GUTTER SHALL BE BACKFILLED WITH CLASS SI CONCRETE TO THE BOTTOM OF THE PROPOSED HMA BINDER (IL-19mm) LIFT. THIS SHALL BE INCLUDED IN THE COST OF THE CLASS D PATCHES OF TYPE AND THICKNESS SPECIFIED.

EX ♁ RECREATION DRIVE

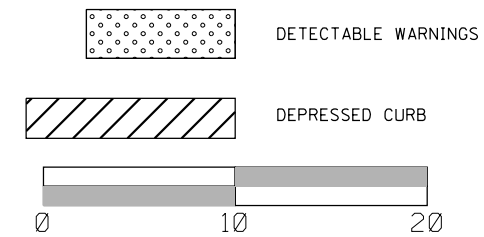
RECREATION DRIVE



ADA RAMP RECREATION DRIVE			
POINT NO.	STATION	OFFSET	ELEVATION
A	302+09.81	28.47 RT	905.09
B	302+16.86	28.48 RT	905.20
C	302+20.30	28.49 RT	905.26
D	302+33.35	38.51 RT	905.52
E	302+31.16	38.51 RT	905.46
F	302+09.80	38.47 RT	905.24
G	302+07.58	38.47 RT	905.20
H•	302+11.75	41.31 RT	905.55
I•	302+09.87	45.40 RT	905.72
J	302+01.38	38.46 RT	905.10
K	301+98.41	28.45 RT	904.67
L	301+98.40	23.83 RT	904.60
M•	301+98.41	22.25 RT	904.66
N•	302+03.41	22.26 RT	904.72
O	302+03.41	23.84 RT	904.66
P	302+03.41	28.46 RT	904.73
Q	302+56.92	28.56 RT	905.61
R	302+57.11	38.56 RT	905.76
S	302+84.27	28.61 RT	905.39
T	302+87.14	28.61 RT	905.33
U	302+93.55	28.62 RT	905.43
V	302+93.53	38.62 RT	905.58
W	302+77.26	38.59 RT	905.54
X	302+75.44	38.59 RT	905.60

•EXISTING ELEVATION

LEGEND



CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE EP-TOP OF DEPRESSED CURB REPLACEMENT ON ALL CURB RAMP

RELATIONSHIPS AS FOLLOWS:
EP-TC (B-6.24) EP+0.38' = TC
EP-TC (B-6.12) EP+0.44' = TC
EP-TDC (B-6.24) EP-0.06' = TDC
EP-TDC (B-6.12) EP-0.01' = TDC

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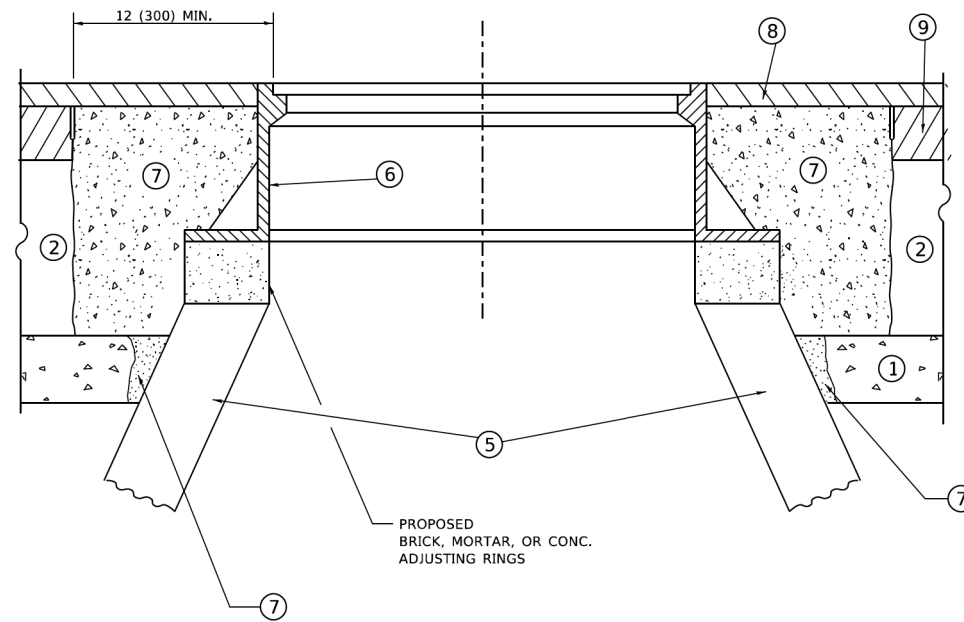
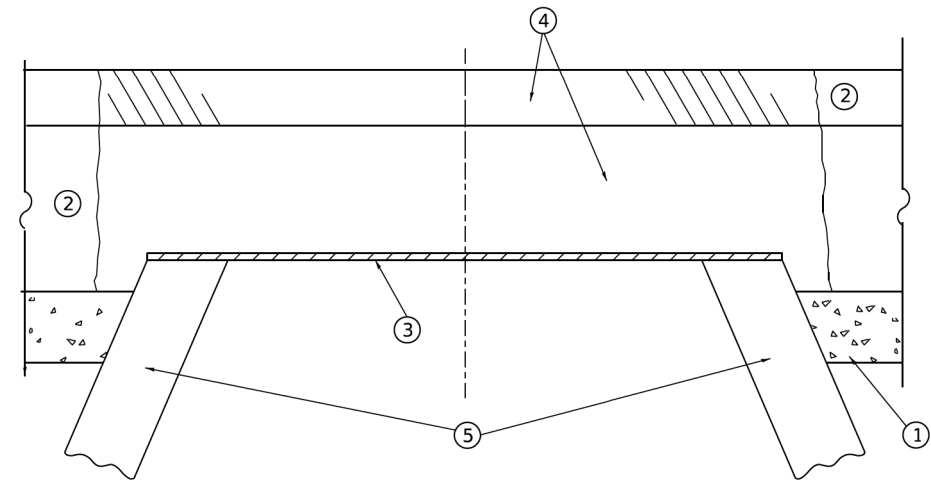
USER NAME = cesario	DESIGNED - TN	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - TN	REVISED -
PLOT DATE = 6/19/2025	CHECKED - GJE	REVISED -
	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
ADA RAMP DETAILS

SCALE: 1"=5' SHEET 4 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	230
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				



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

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 HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

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

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

1. 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)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES

1. 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.
2. 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.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

MODEL Detail
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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET 3 OF 11 SHEETS STA. N/A TO STA. N/A

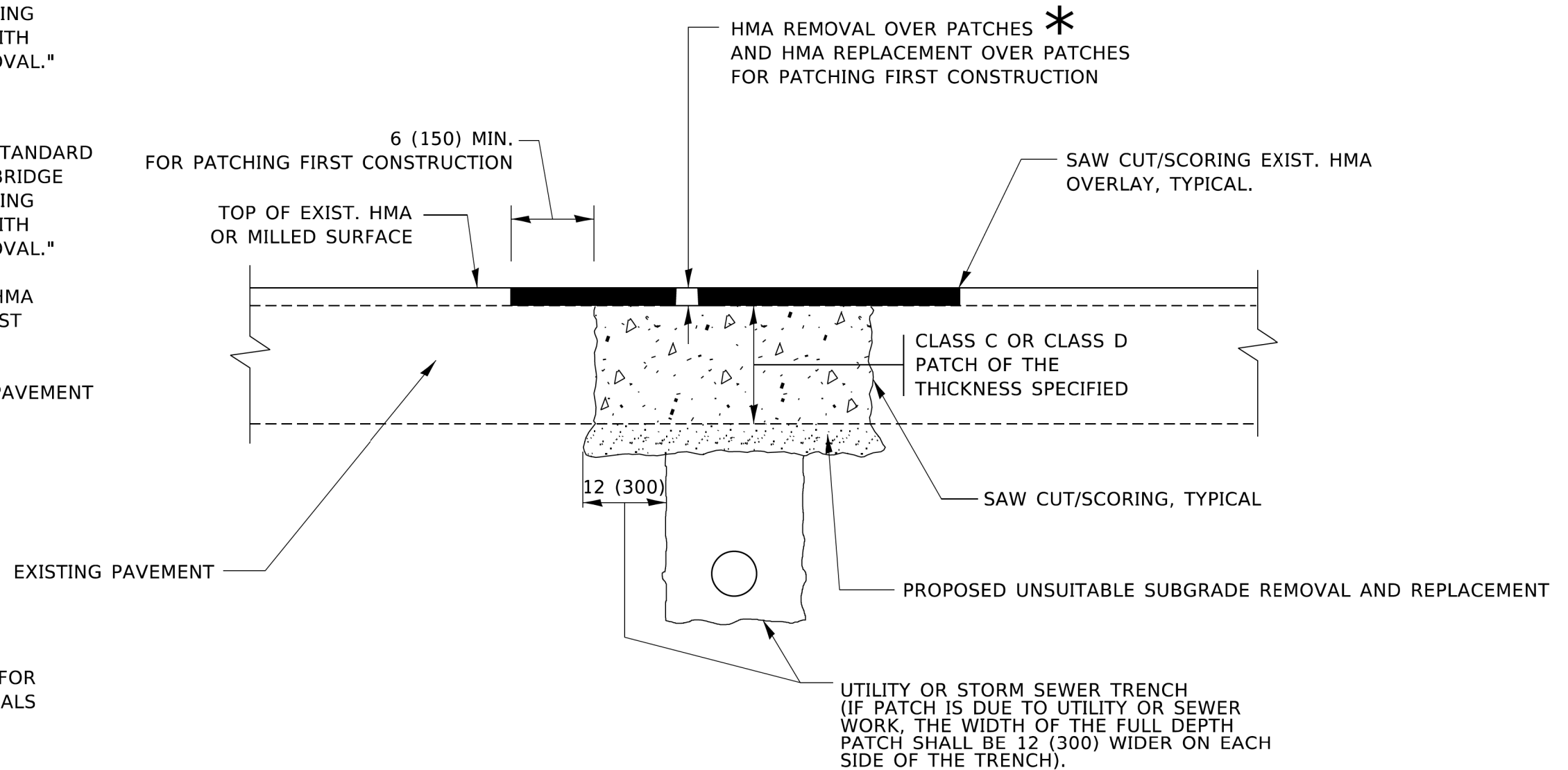
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	233
BD600-03 (BD-08)			CONTRACT NO. 61L28	
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

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 4½ 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.

MODEL: Default
FILE: N:\miller\pavilid@cdw_bentley.com\PROJECTS\Documents\DOT_Offices\District_1\Projects\Dist1\2021\3A\AD\Dist1\CAD\Sheets\B22.dgn

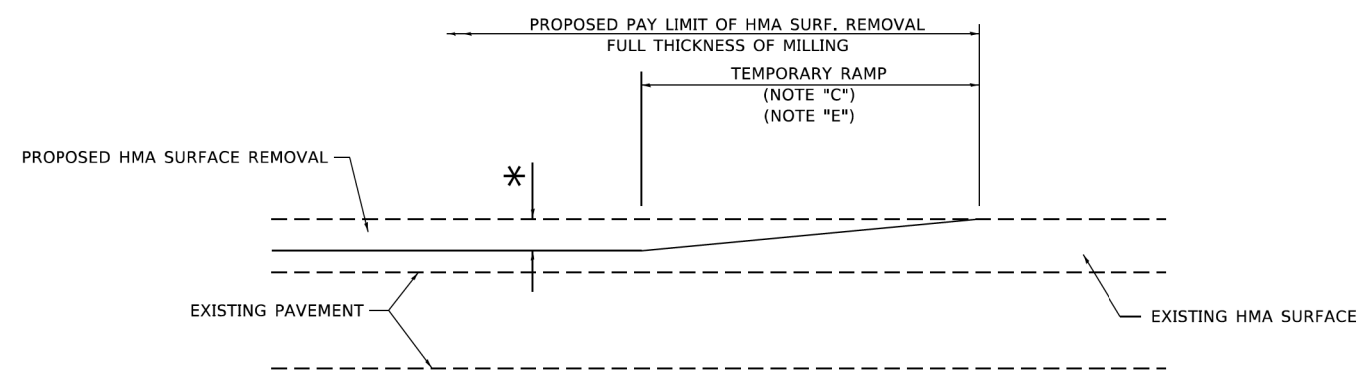
USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

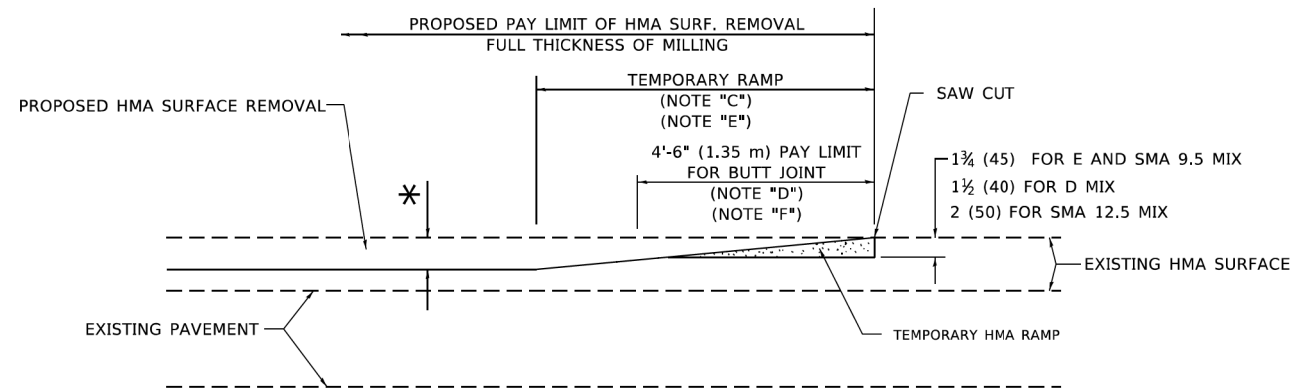
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	234
BD400-04 (BD-22)		CONTRACT NO. 61L28		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

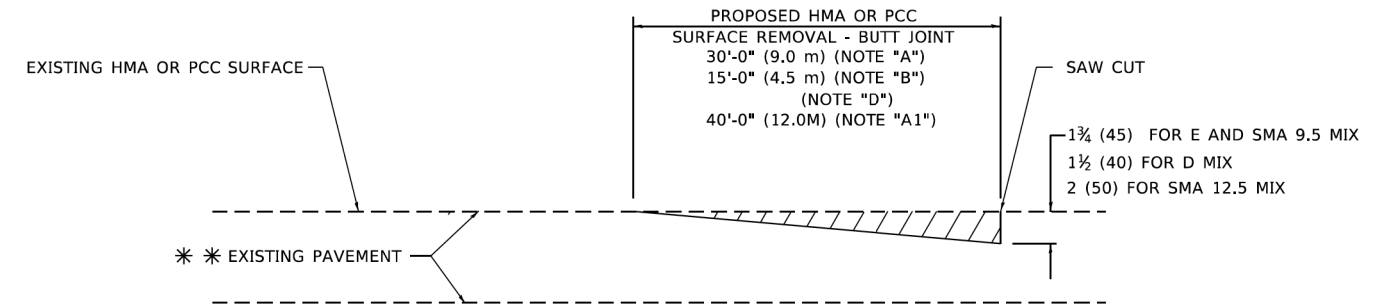
OPTION 1



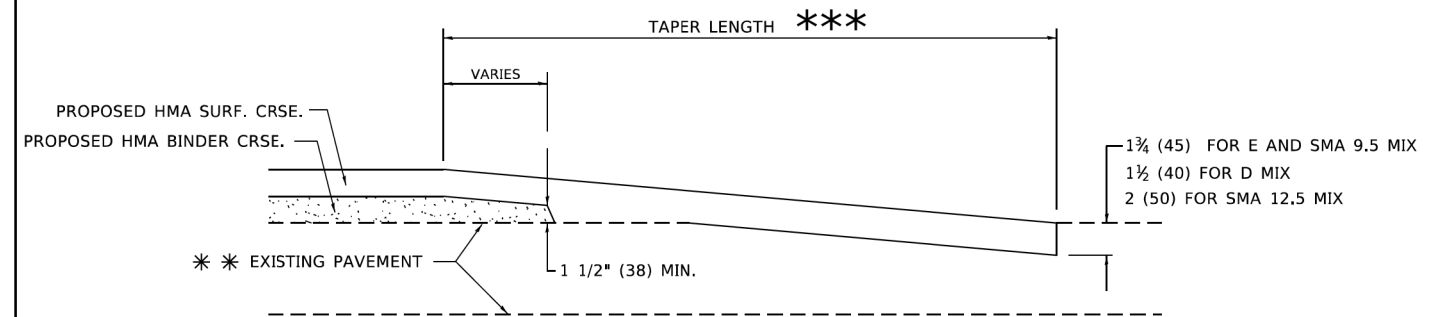
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

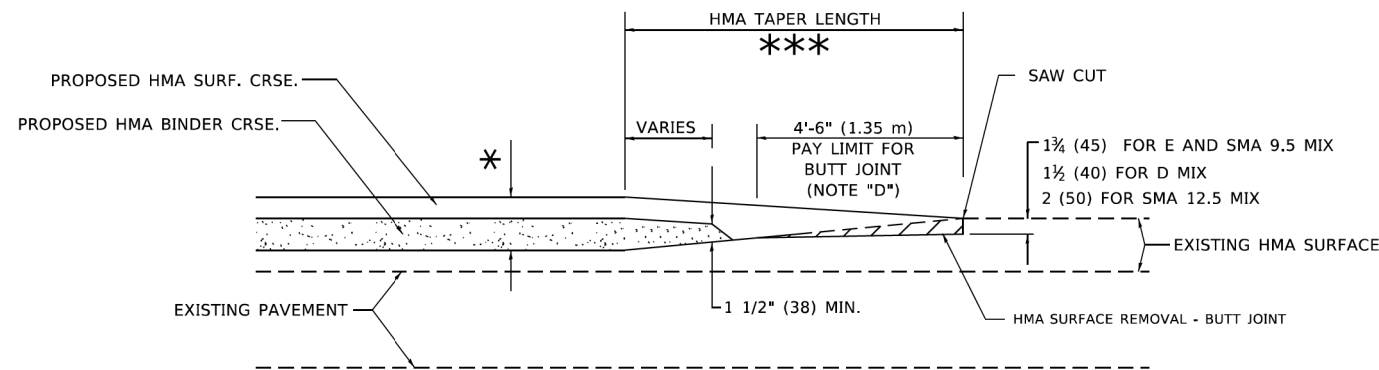
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- 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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 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

1. 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".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE: \\nrc\p\illinois\pavement\dw_bentley.com\PIV\DOT\Documents\DOT_Offices\District_1\Projects\Dist1\021213\CAD\Drawn\CAD\Sheets\0232.dgn

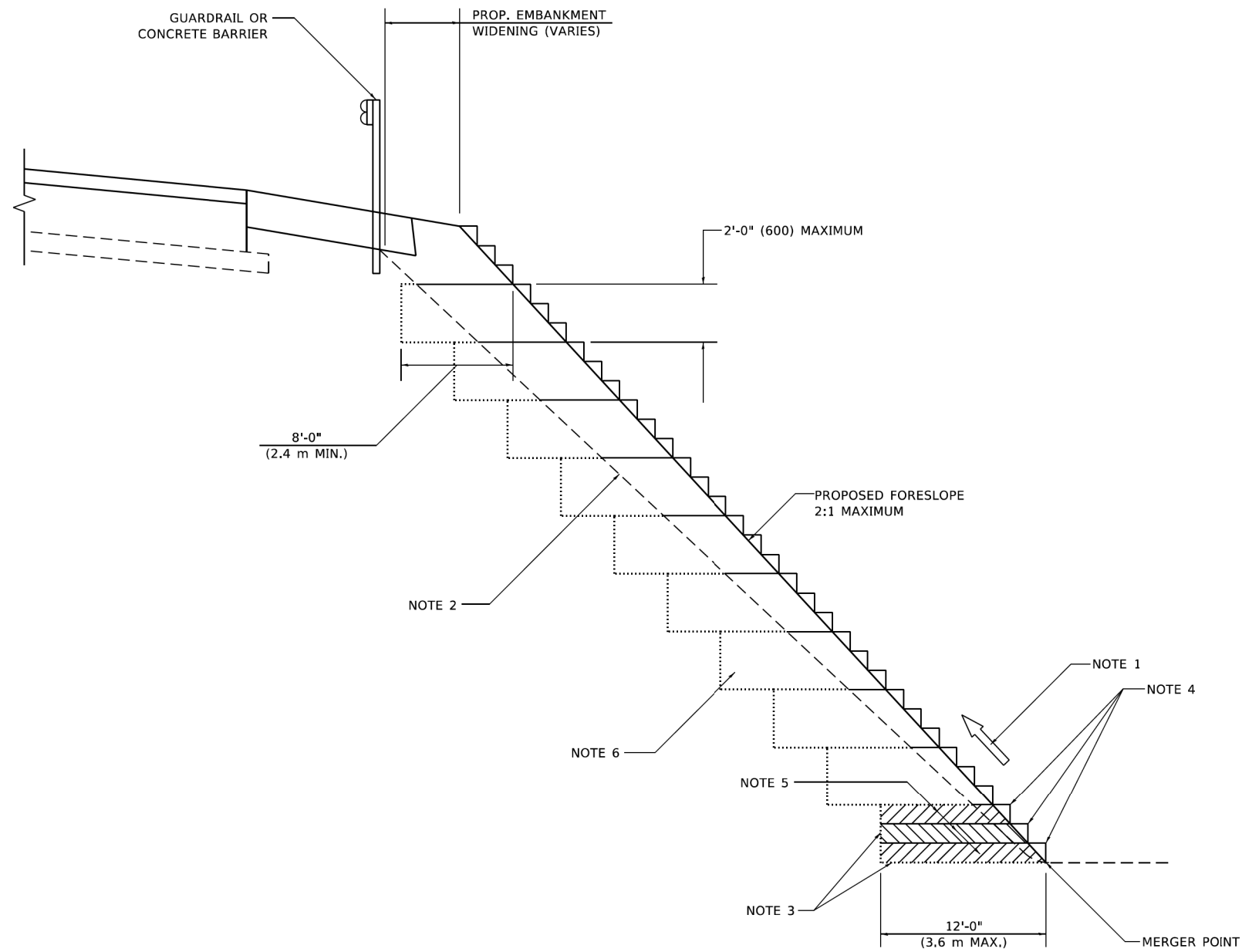
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET 5 OF 11 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	235
BD400-05 BD-32		CONTRACT NO. 61L28		
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

GENERAL 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.

BASIS OF PAYMENT

1. 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.

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

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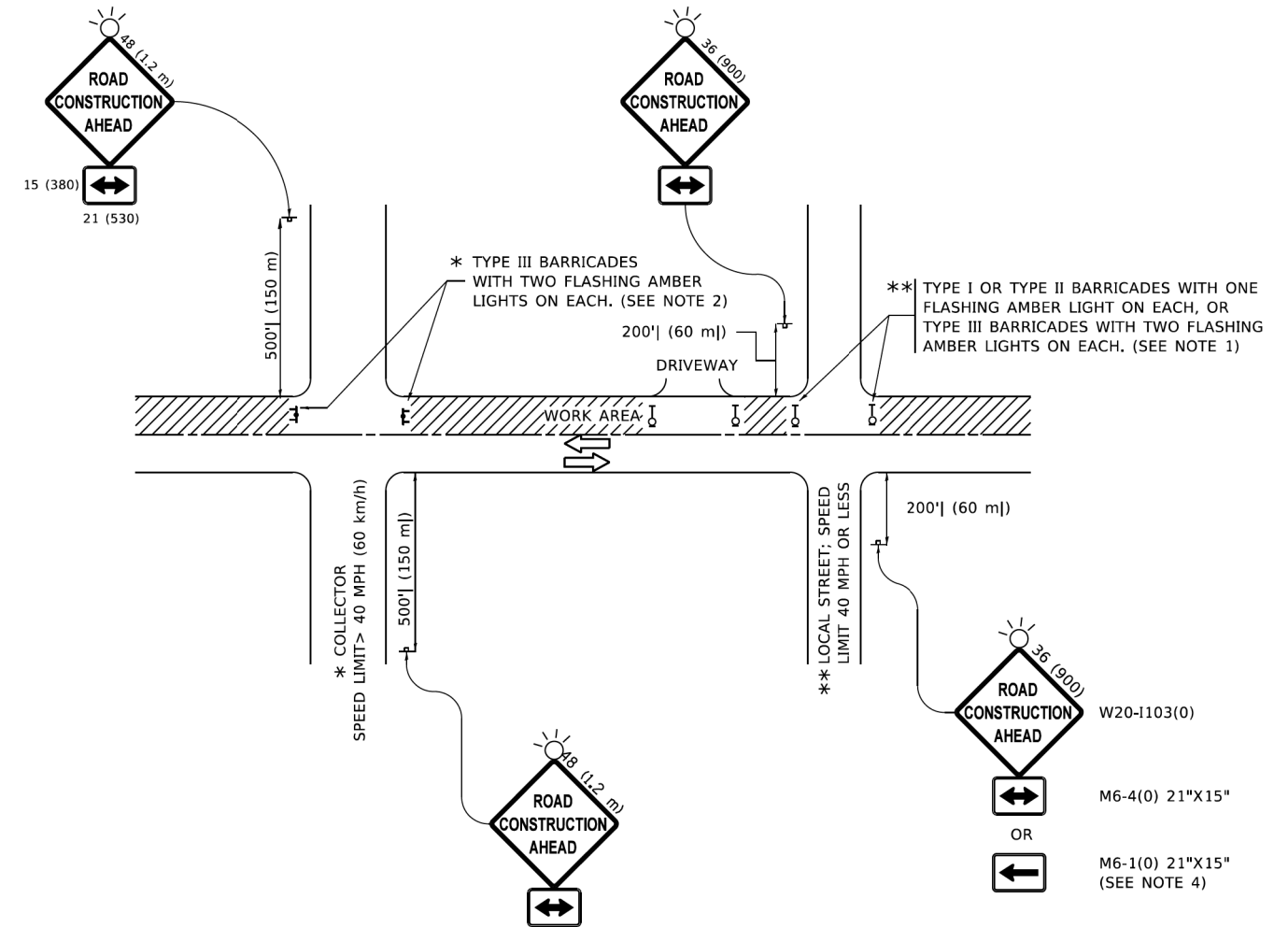
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	DRAWN - CADD	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - S.E.B.	REVISED -
PLOT DATE = 11/18/2022	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

SCALE: NONE SHEET 6 OF 11 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	236
BD-51			CONTRACT NO. 61L28	
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) 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. 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.

MODEL: Default
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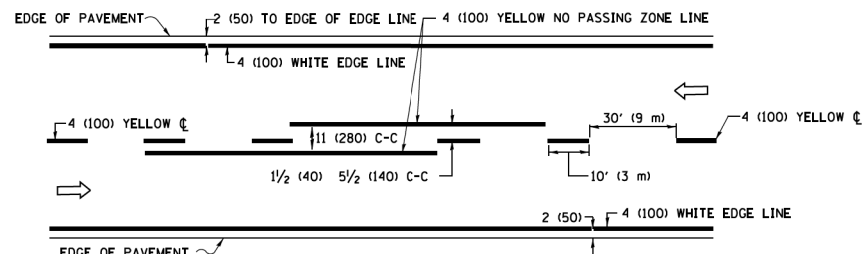
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	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

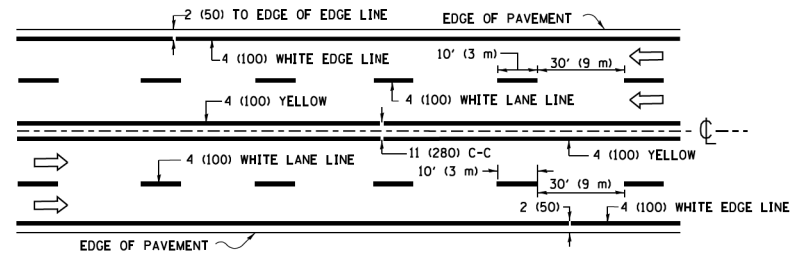
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET **I** OF 111 SHEETS STA. N/A TO STA. N/A

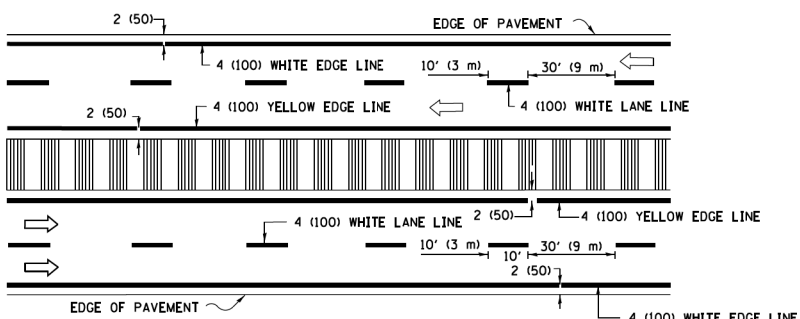
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	19-00514-00-WR	KANE	304	237
TC-10			CONTRACT NO. 61L28	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

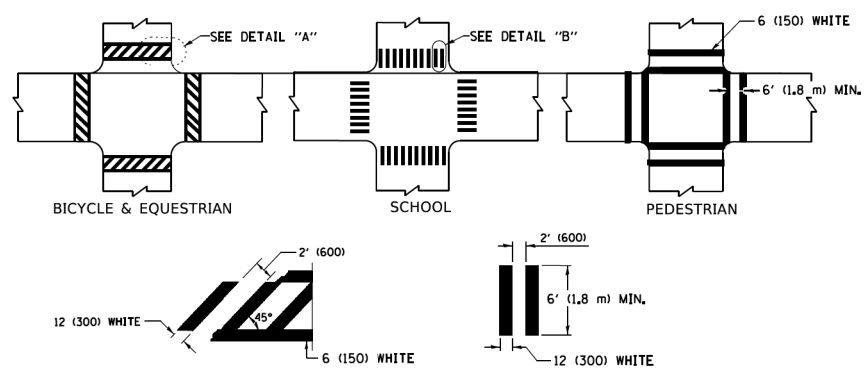


MULTI-LANE UNDIVIDED



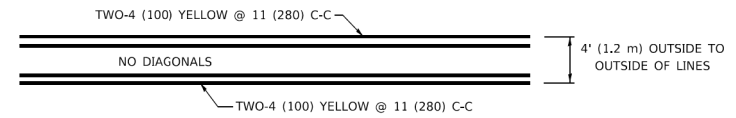
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

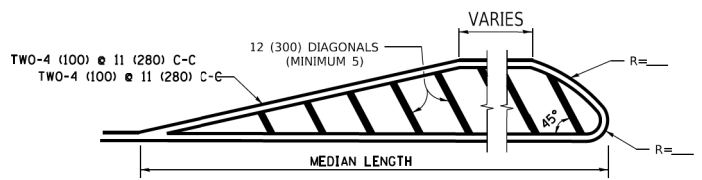


TYPICAL CROSSWALK MARKING

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

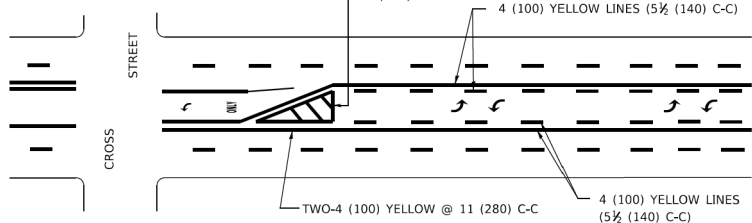


4' (1.2 m) WIDE MEDIANS ONLY



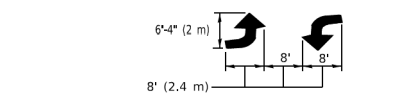
MEDIANS OVER 4' (1.2 m) WIDE

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))

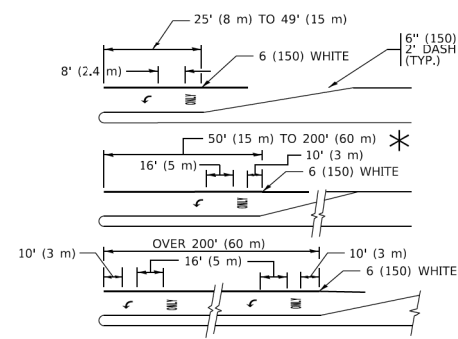


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

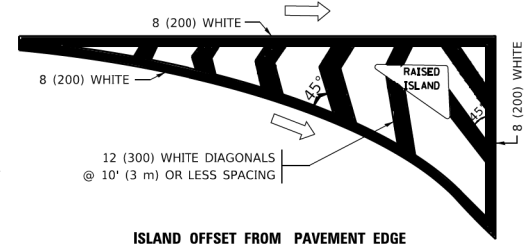


TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

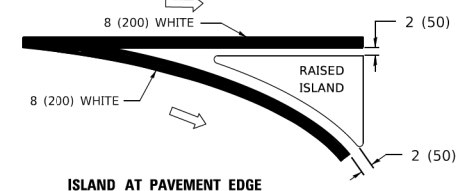


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING

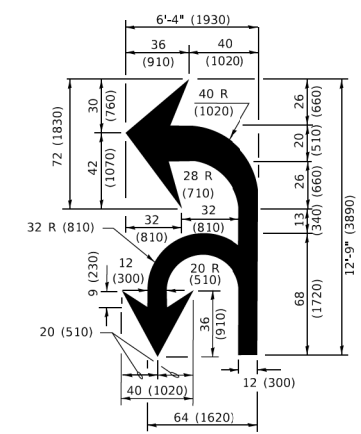


ISLAND OFFSET FROM PAVEMENT EDGE

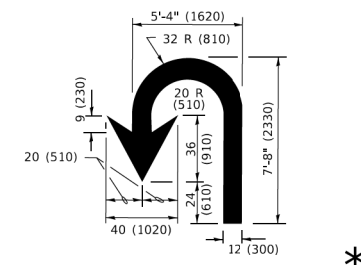


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2' (600) @ 45° 2' (600) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) 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' (1.8 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.

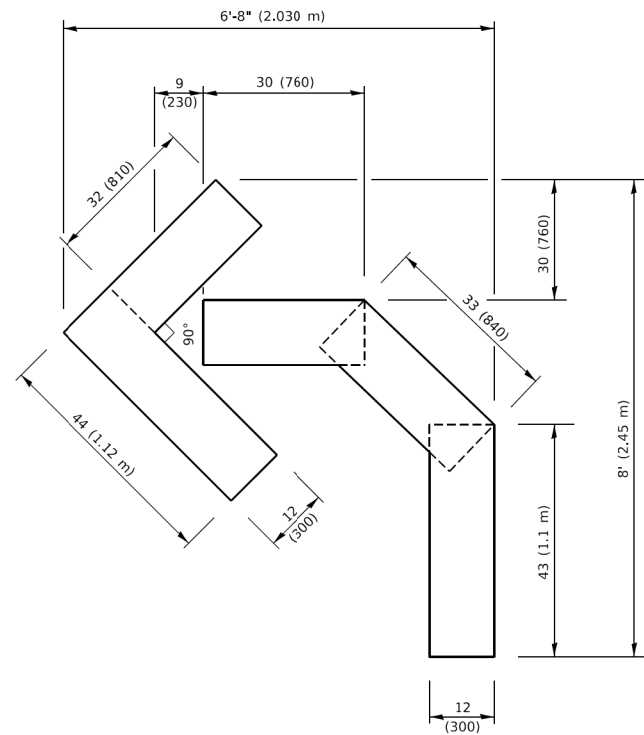
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USER NAME	DESIGNED	REVISED
= footemj	- EVERS	- C. JUCIUS 09-09-09
	- DRAWN	- C. JUCIUS 07-01-13
	- CHECKED	- C. JUCIUS 12-21-15
	- DATE	- C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

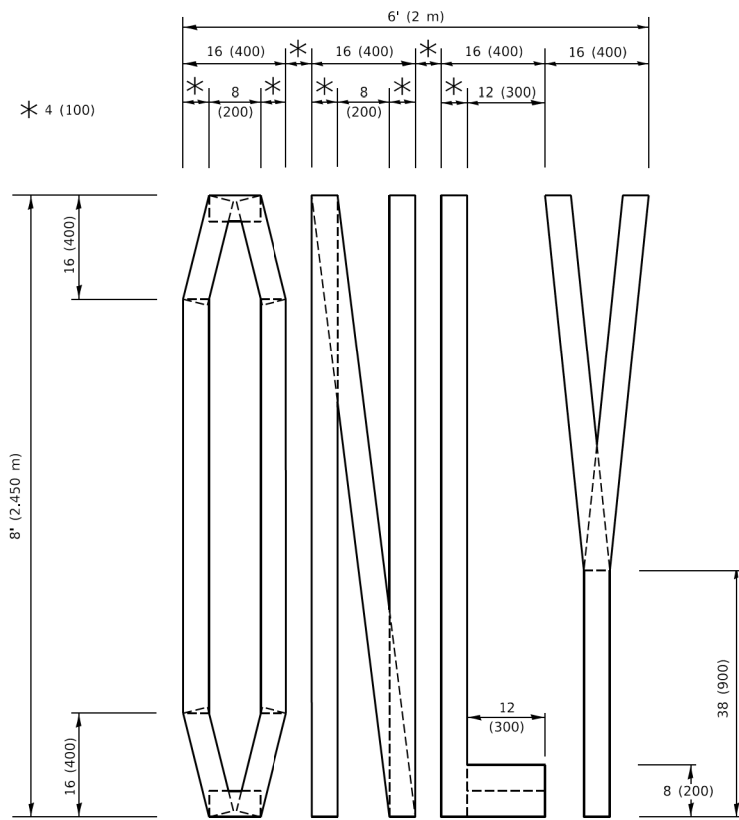
DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 8 OF 11 SHEETS	STA. N/A TO STA. N/A	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	238
TC-13			CONTRACT NO. 61L28	
ILLINOIS FED. AID PROJECT				



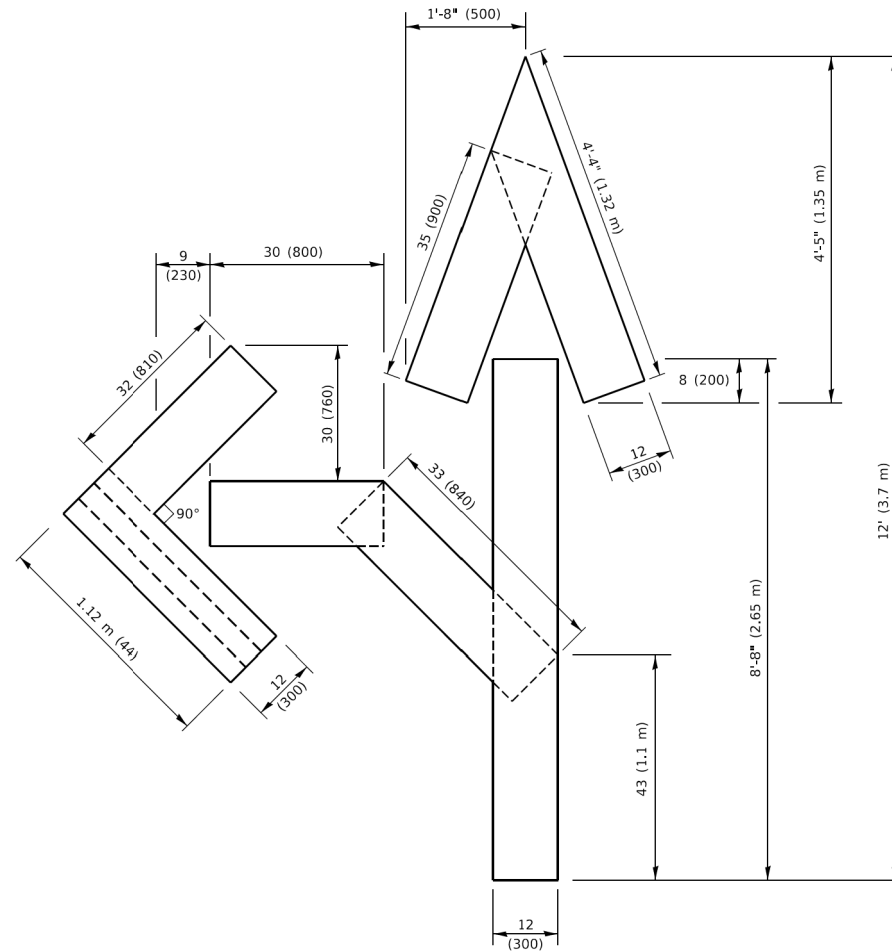
QUANTITY

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)

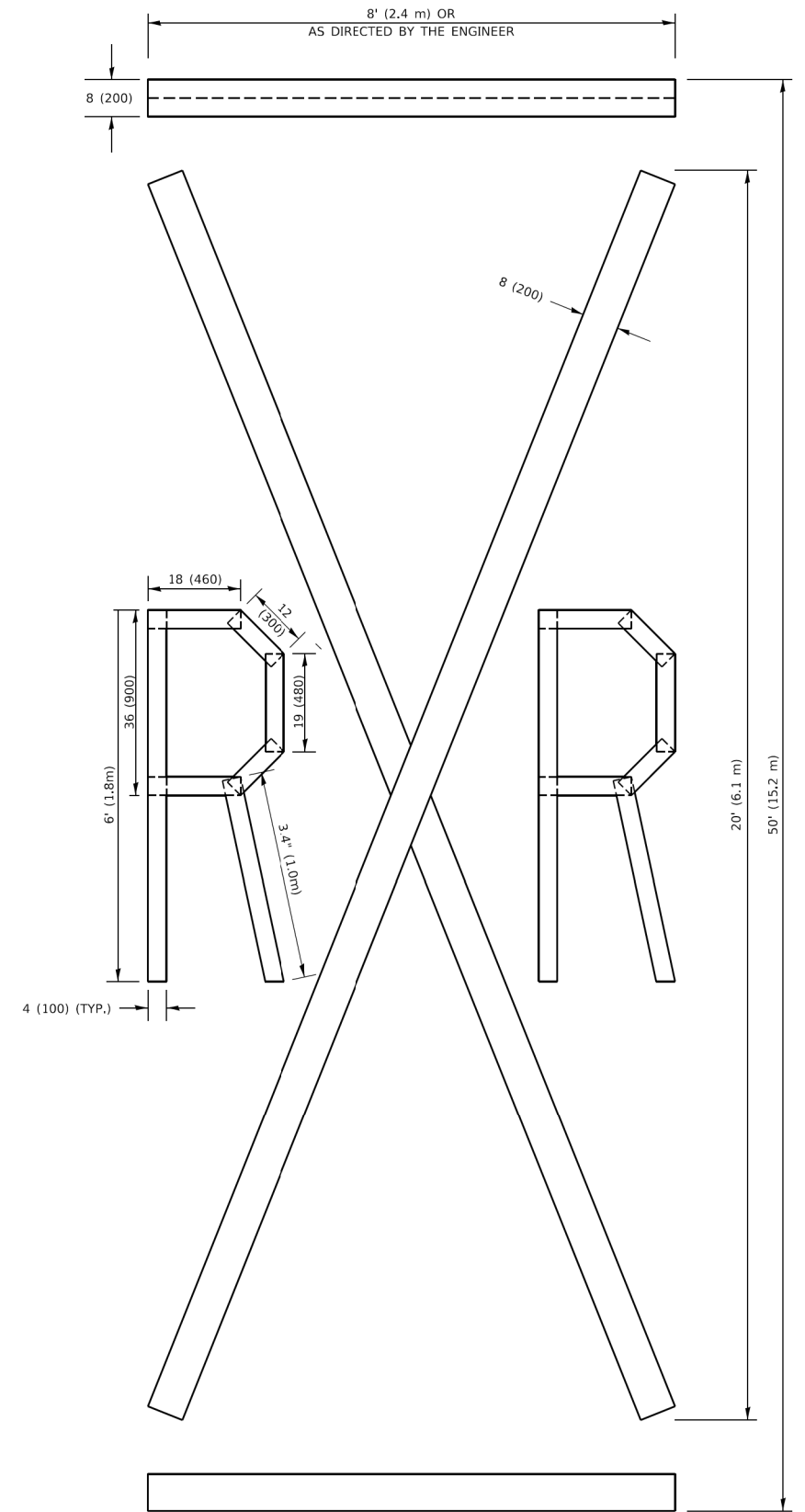


QUANTITY

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.

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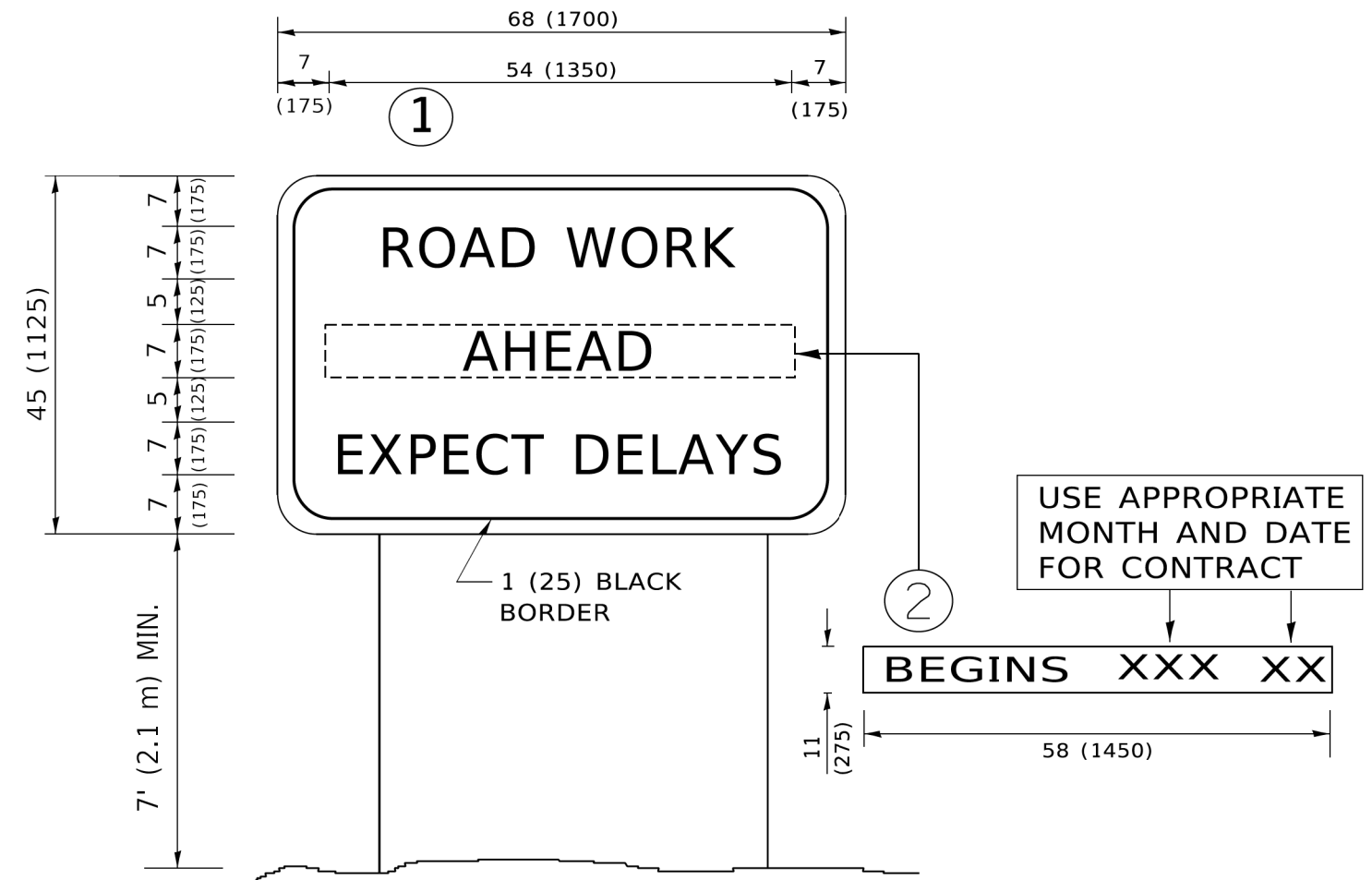
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 9 OF 11 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	239
TC-16		CONTRACT NO. 61L28		
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.

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	DRAWN -	REVISED - R. MIRS 12-11-97
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

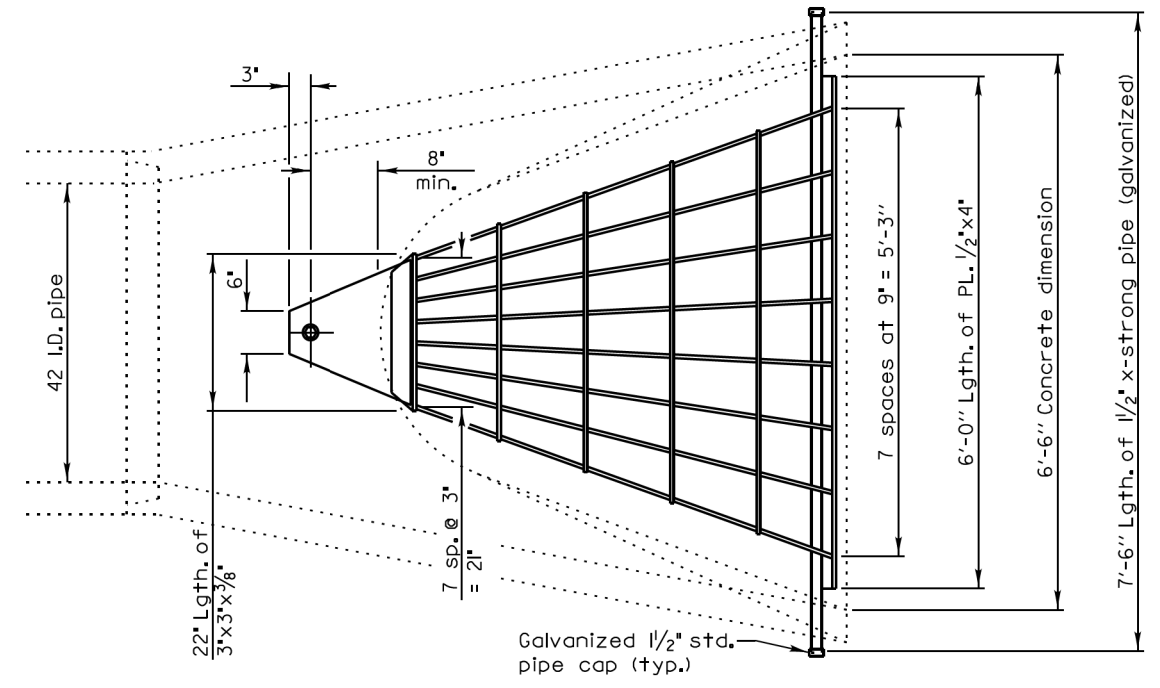
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

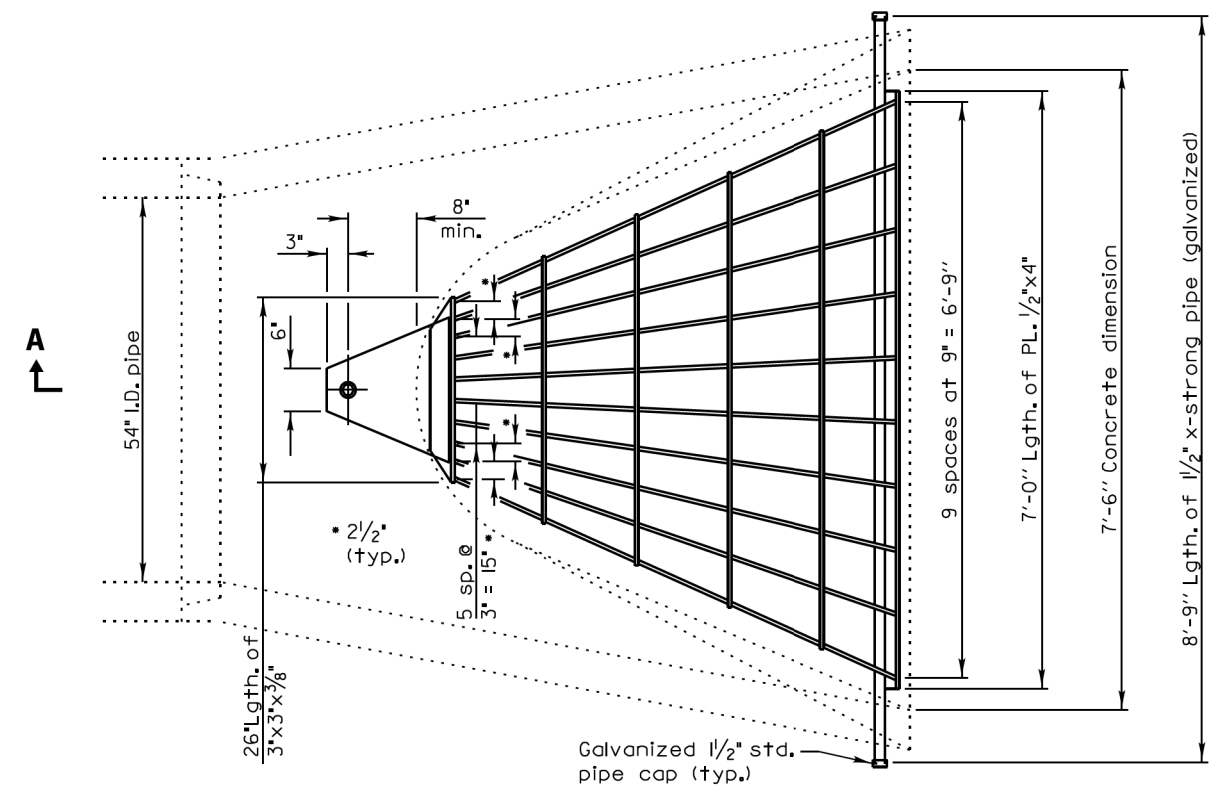
SCALE: NONE SHEET 9 OF 11 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	240
TC-22			CONTRACT NO. 61L28	
ILLINOIS FED. AID PROJECT				

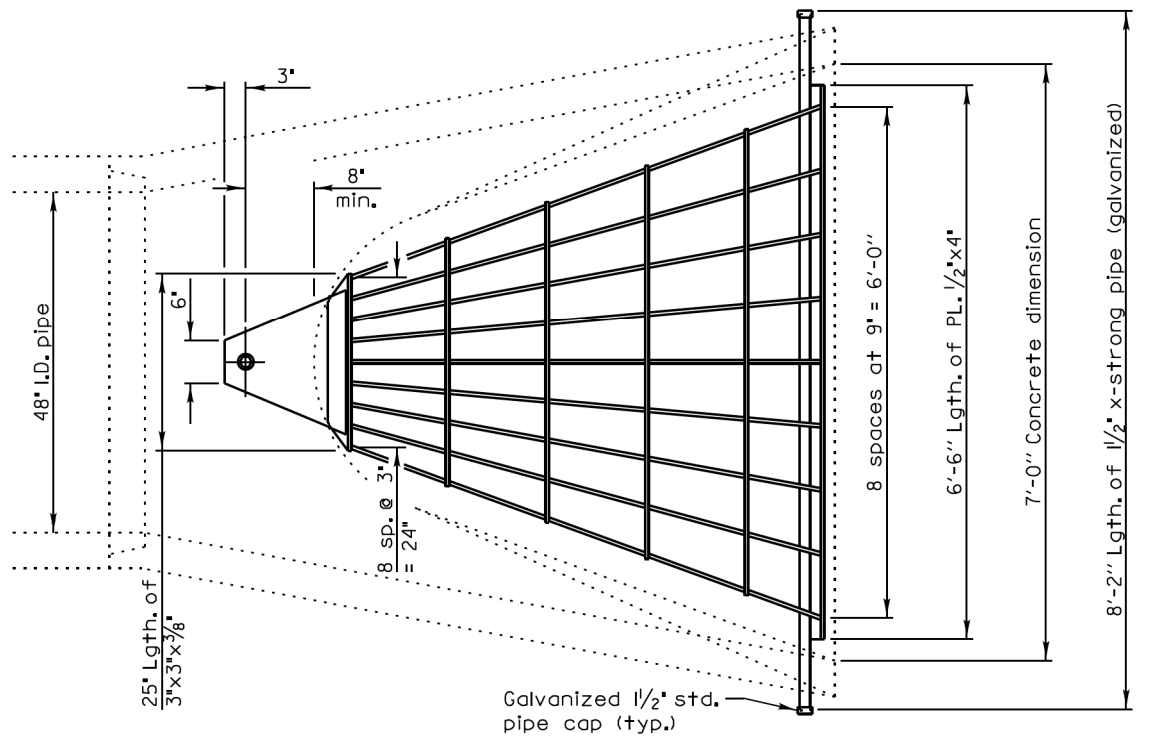
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 DATE: 6/19/2025



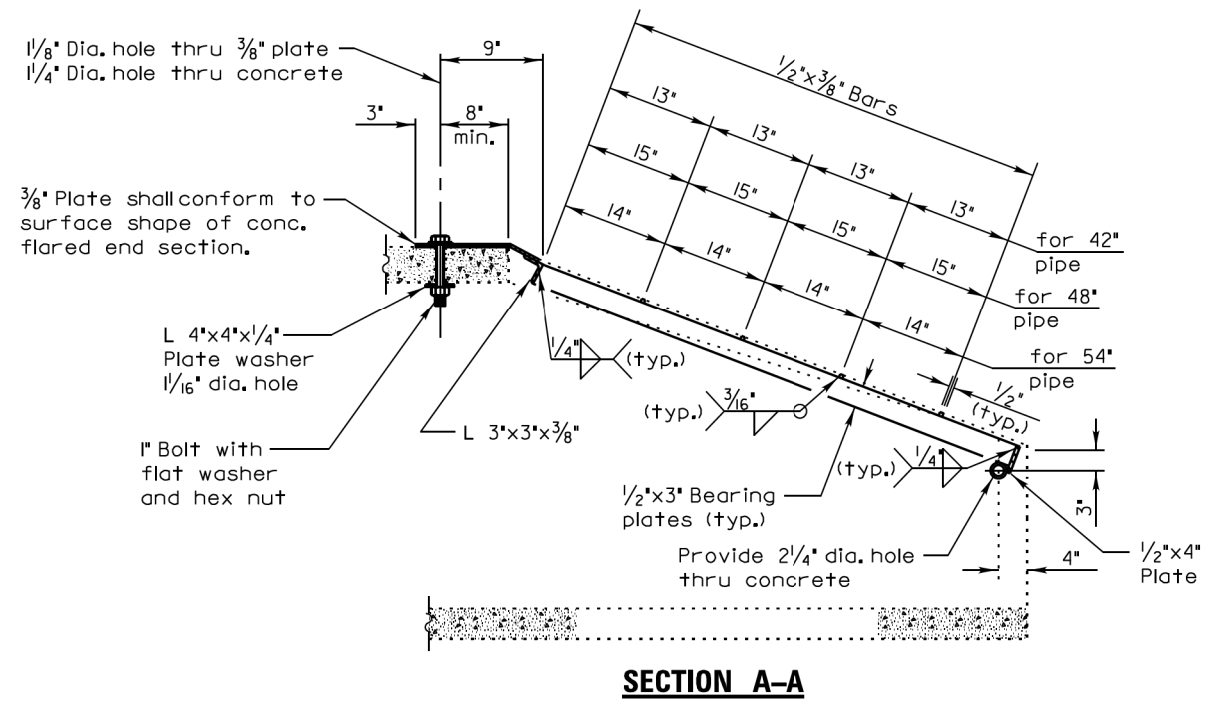
PLAN
Quantity of steel = 320 lbs.



PLAN
Quantity of steel = 425 lbs.



PLAN
Quantity of steel = 400 lbs.



SECTION A-A

USER NAME = cesario	DESIGNED - TN	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - TN	REVISED -
PLOT DATE = 6/19/2025	CHECKED - GJE	REVISED -
	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
GRATING DETAILS

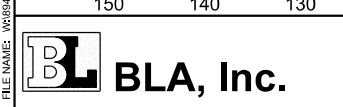
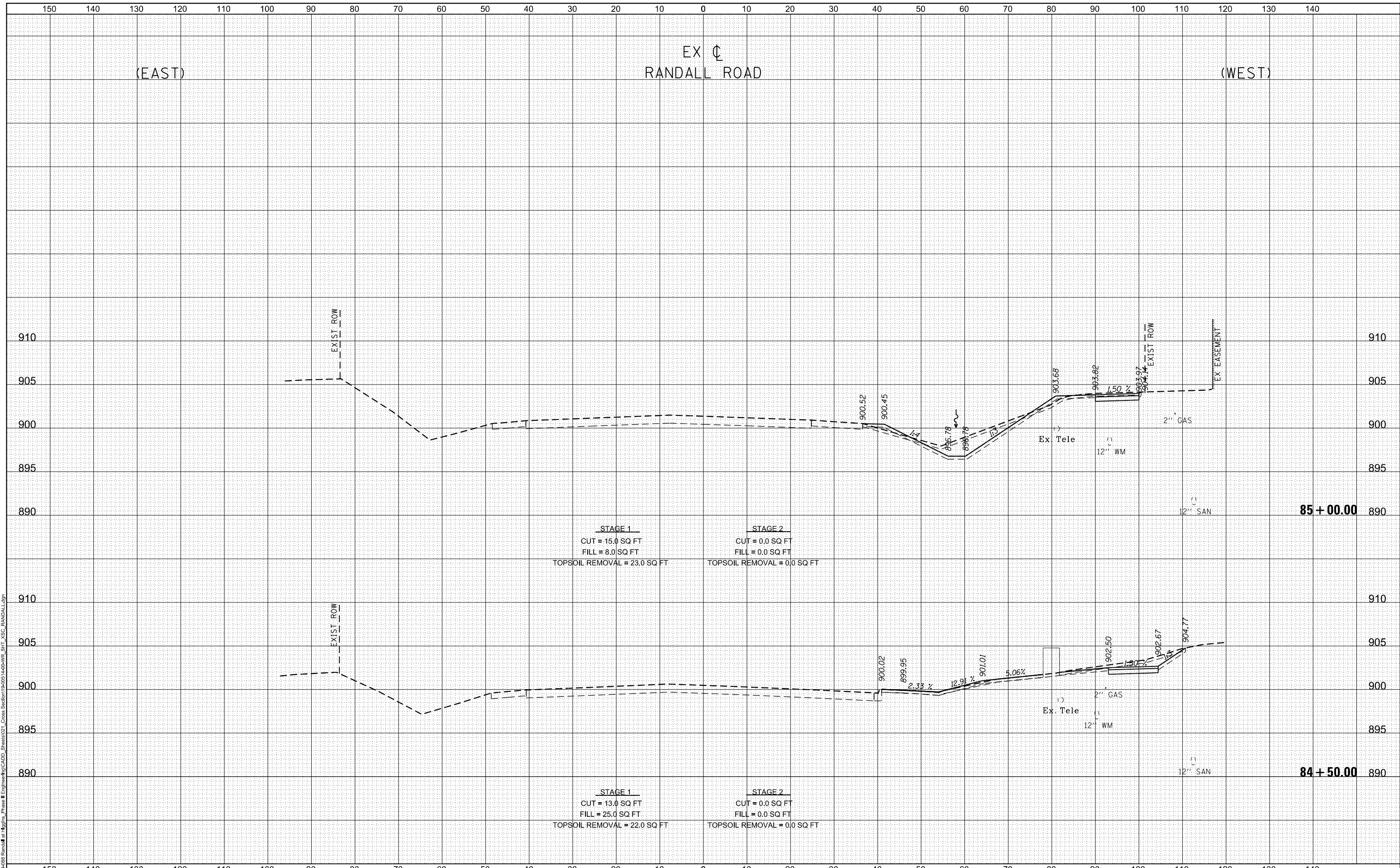
SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 242
			CONTRACT NO. 61L28	
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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NOTE BOOK NO.	
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PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 RANDALL - CROSS SECTIONS**

1"=5' VERT
 SCALE: 1"=10' HORZ

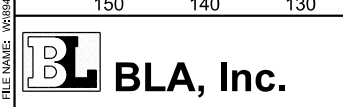
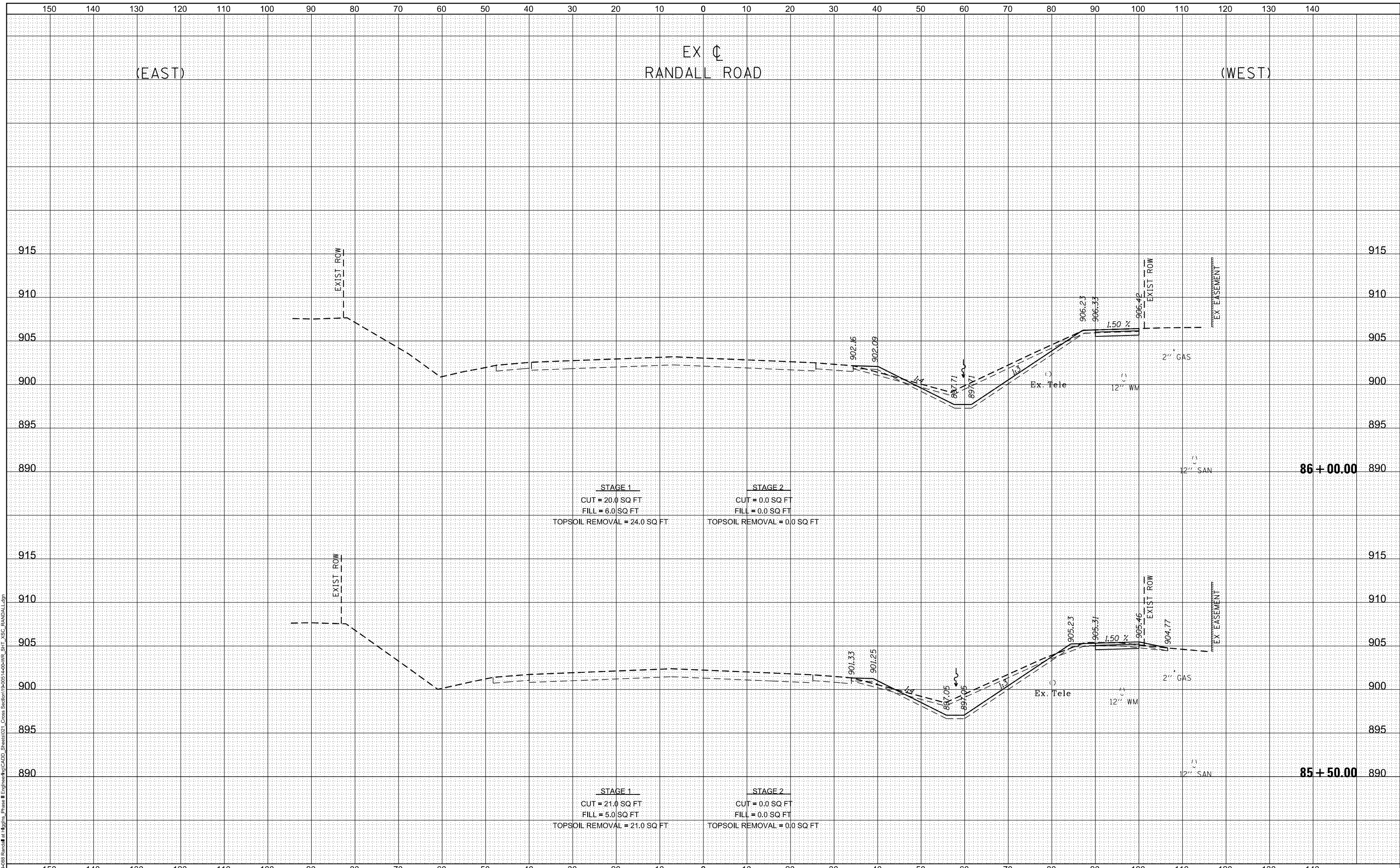
SHEET 2 OF 35 SHEETS
 STA. 84+50.00 TO STA. 85+00.00

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 243
			CONTRACT NO. 61L28	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
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PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

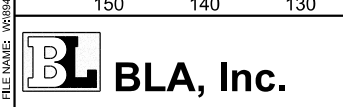
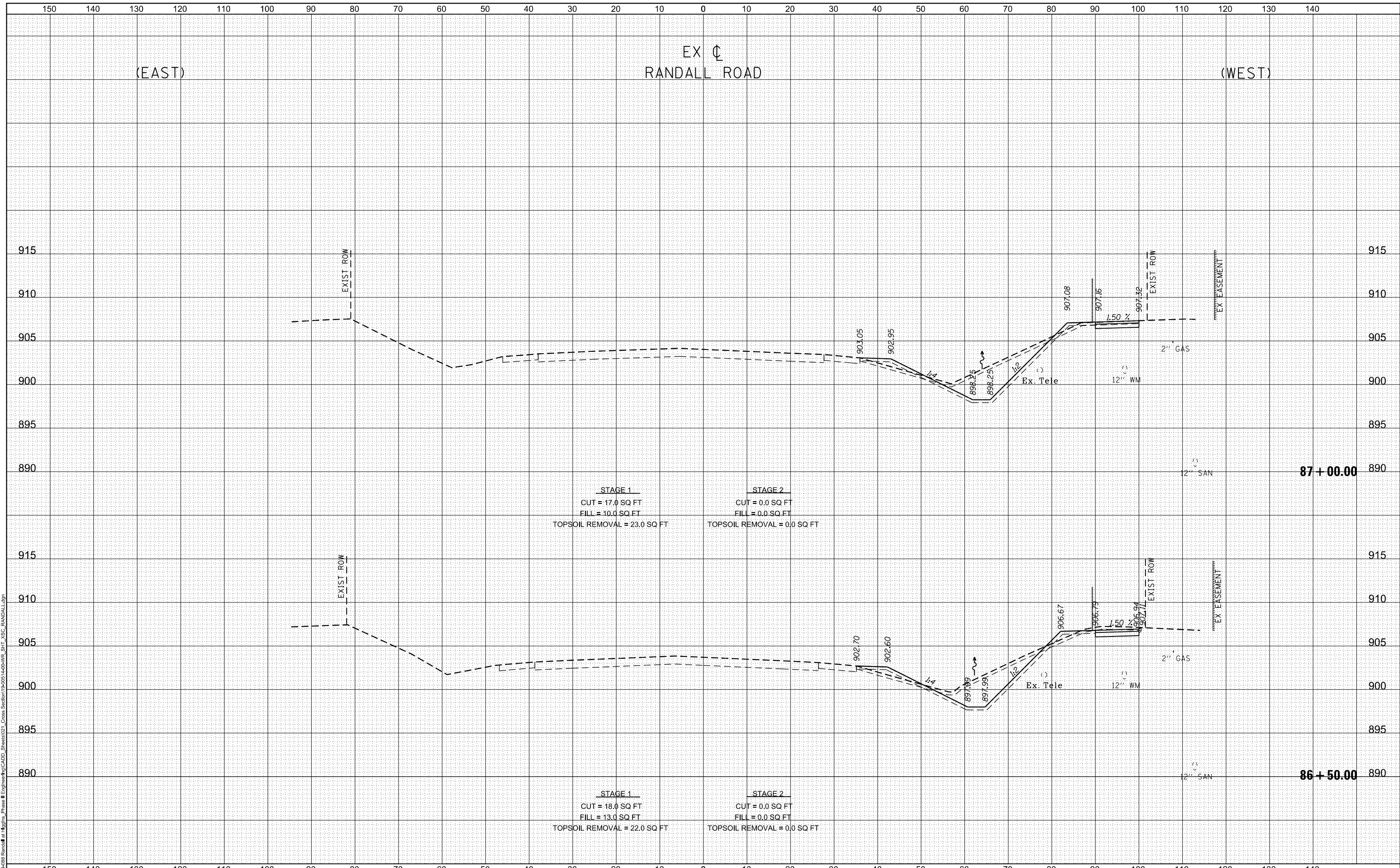
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)		
RANDALL - CROSS SECTIONS		
1"=5' VERT		
SCALE: 1"=10' HORZ	SHEET 3 OF 35 SHEETS	STA. 85+50.00 TO STA. 86+00.00

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 244
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISIED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

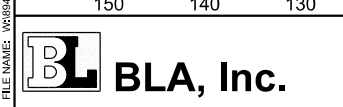
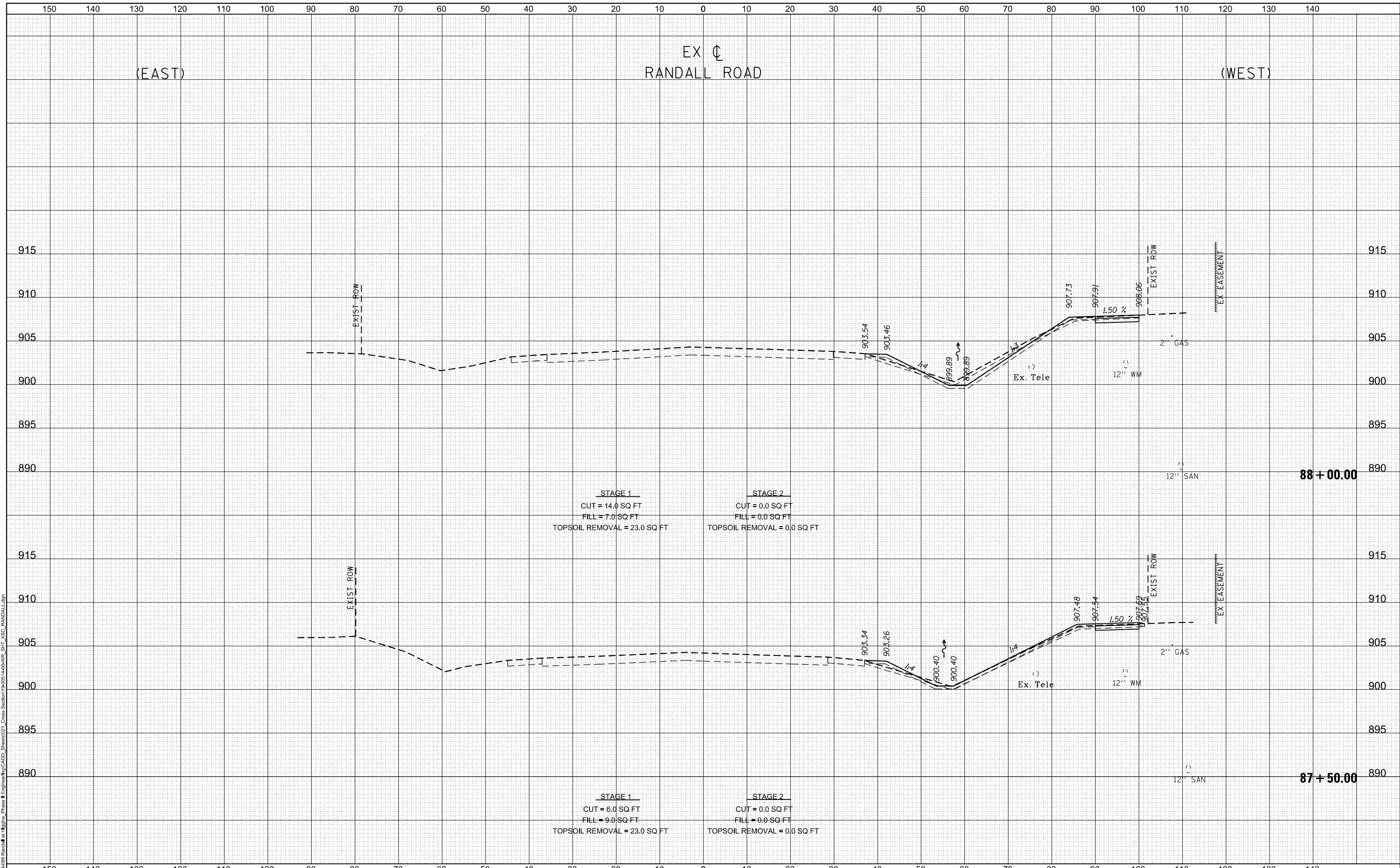
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)		
RANDALL - CROSS SECTIONS		
1"=5' VERT	SHEET 4 OF 35 SHEETS	STA. 86+50.00 TO STA. 87+00.00
SCALE: 1"=10' HORZ		

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 245
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
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DATE	
BY	
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PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS**

1"=5' VERT
SCALE: 1"=10' HORZ

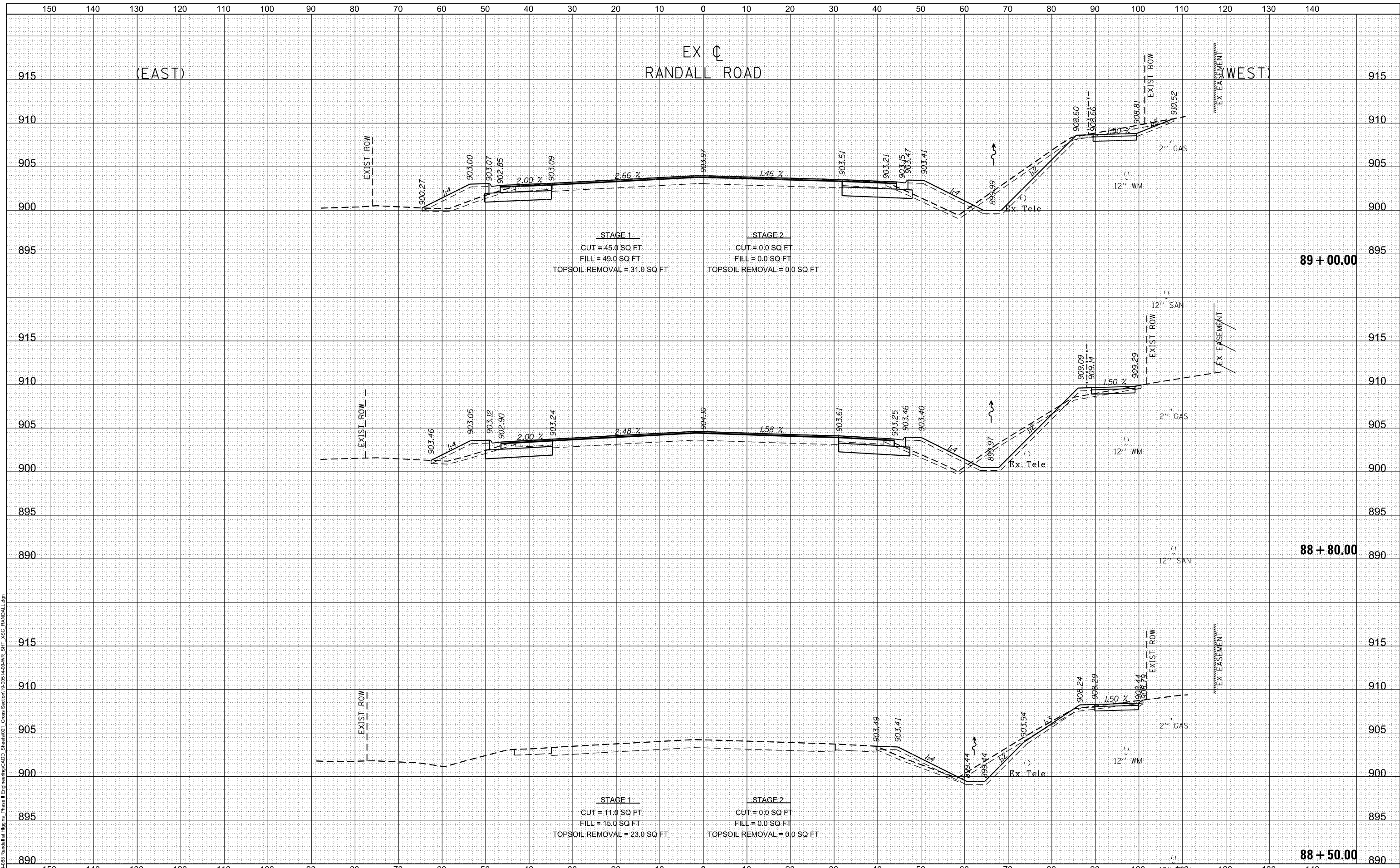
SHEET 5 OF 35 SHEETS STA. 87+50.00 TO STA. 88+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	246
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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TEMPLATE	
AREAS CHECKED	
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PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

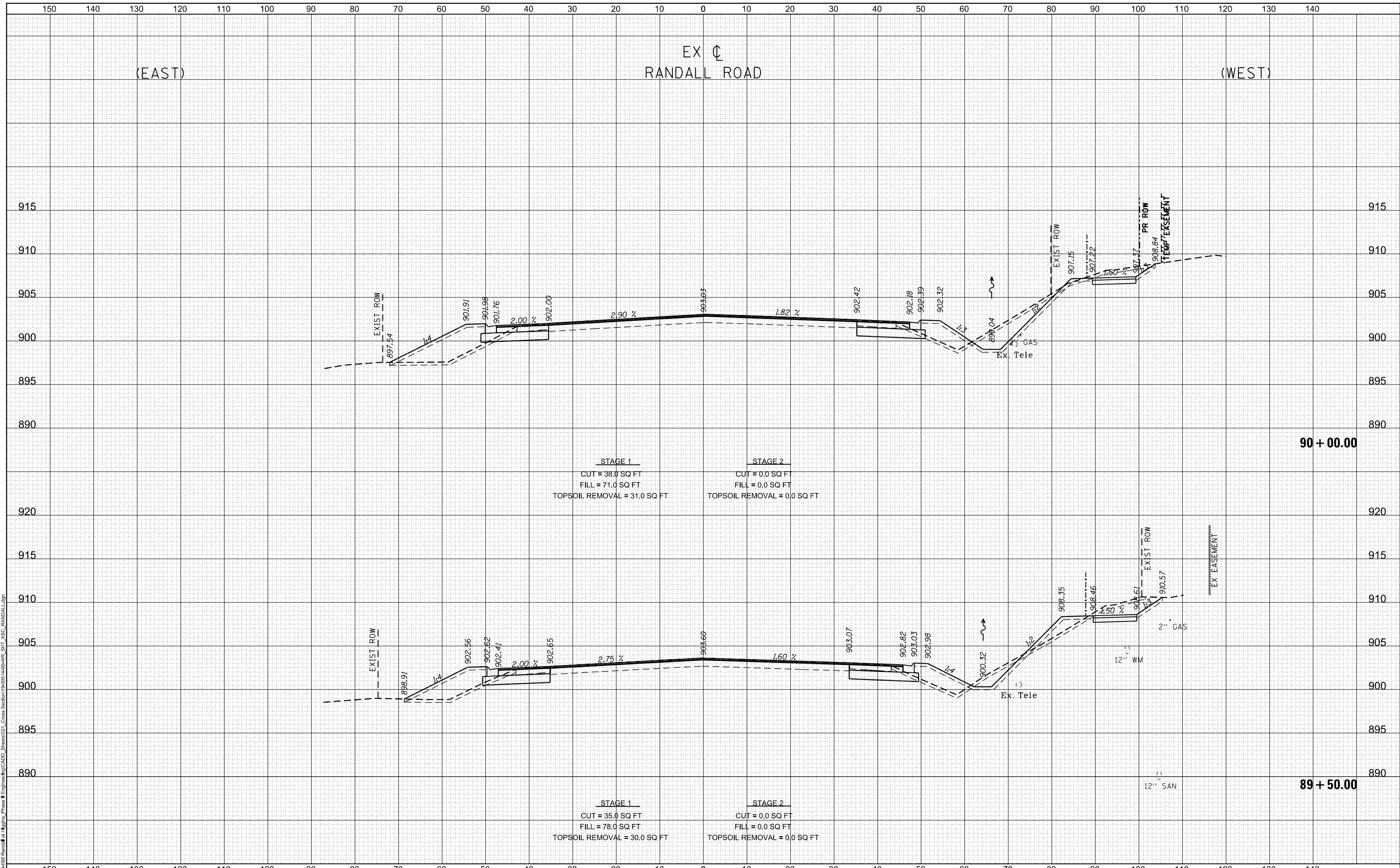
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT	SHEET 6 OF 35 SHEETS	STA. 88+50.00	TO STA. 89+00.00
SCALE: 1"=10' HORZ			

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 247
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
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	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

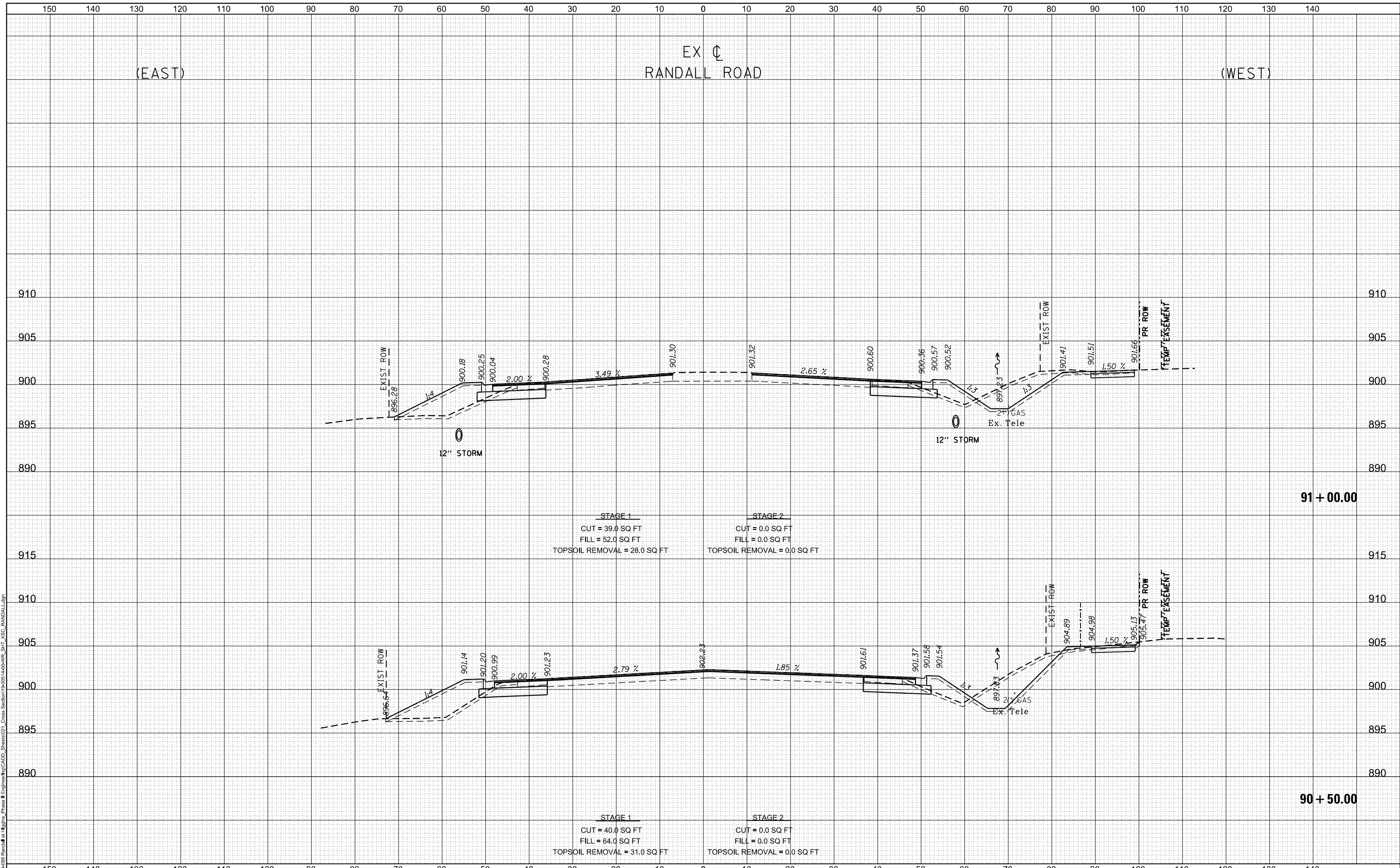
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 7 OF 35 SHEETS	STA. 89+50.00	TO STA. 90+00.00

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 248
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

DATE	
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FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
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	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

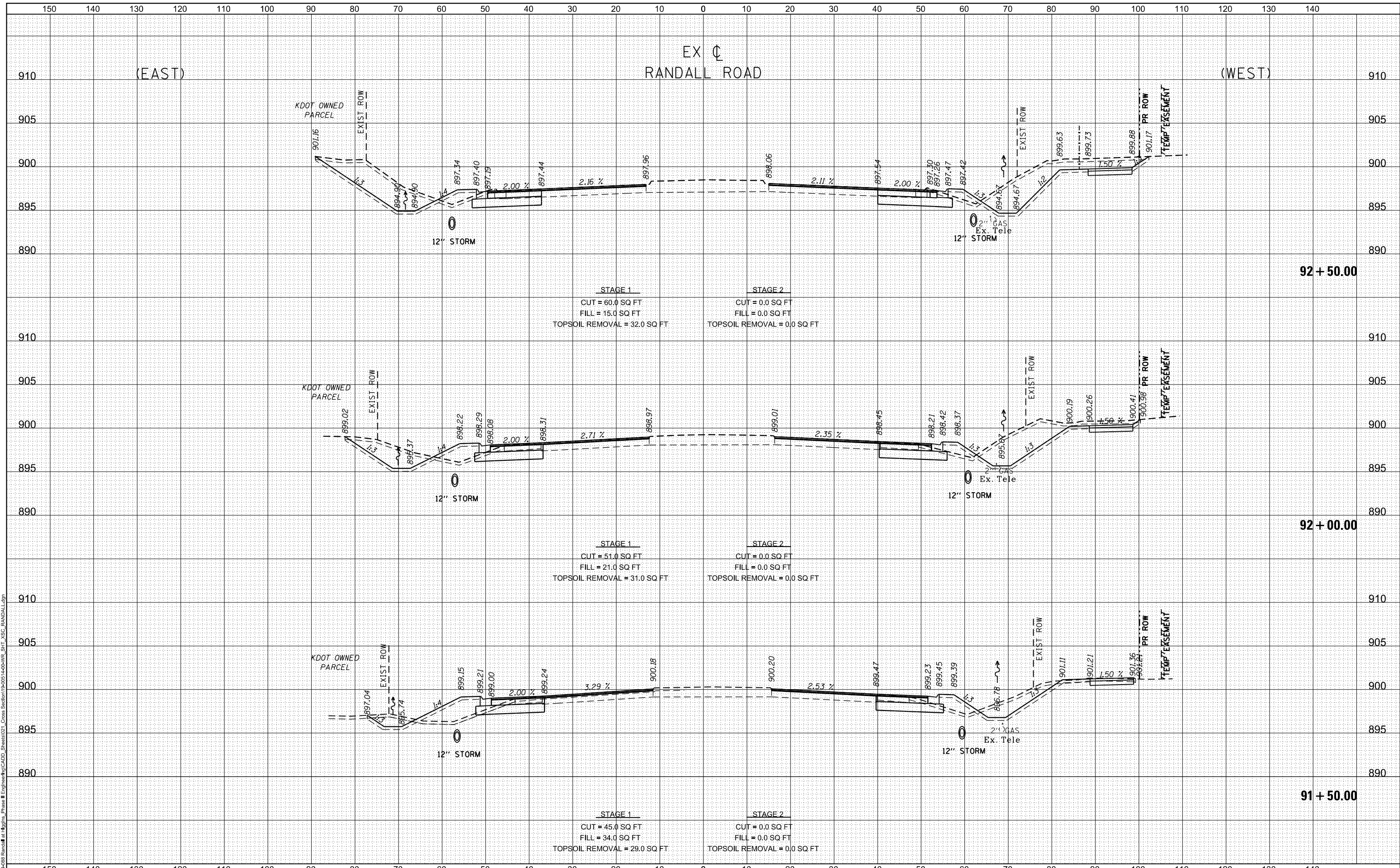
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 8 OF 35 SHEETS	STA. 90+50.00	TO STA. 91+00.00

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 249
CONTRACT NO. 61L28				ILLINOIS FED. AID PROJECT

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

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

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	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

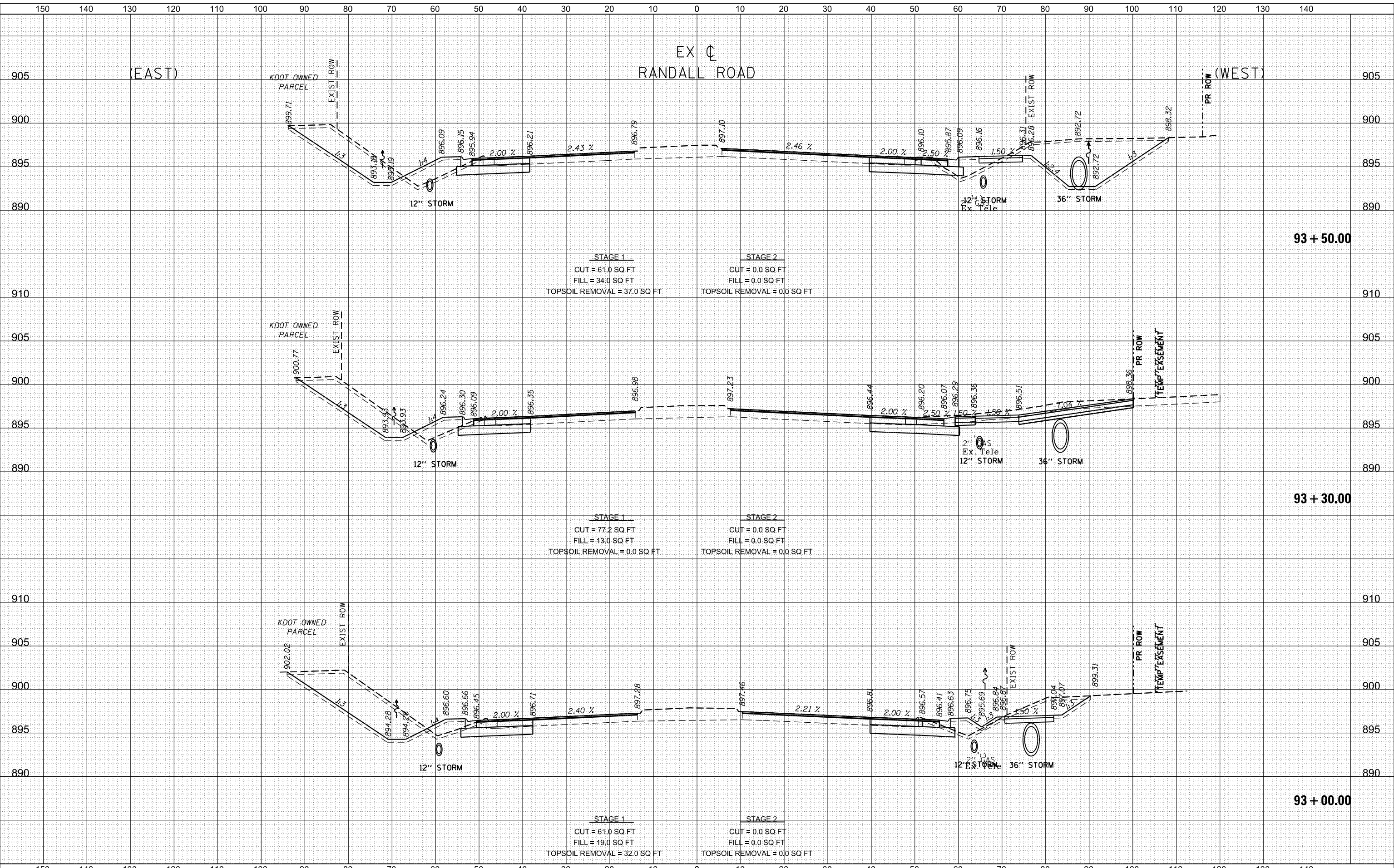
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT	SCALE: 1"=10' HORZ	SHEET 9 OF 35 SHEETS	STA. 91+50.00 TO STA. 92+50.00

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 250
CONTRACT NO. 61L28				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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DATE	
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USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 RANDALL - CROSS SECTIONS
 1"=5' VERT
 SCALE: 1"=10' HORZ

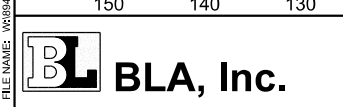
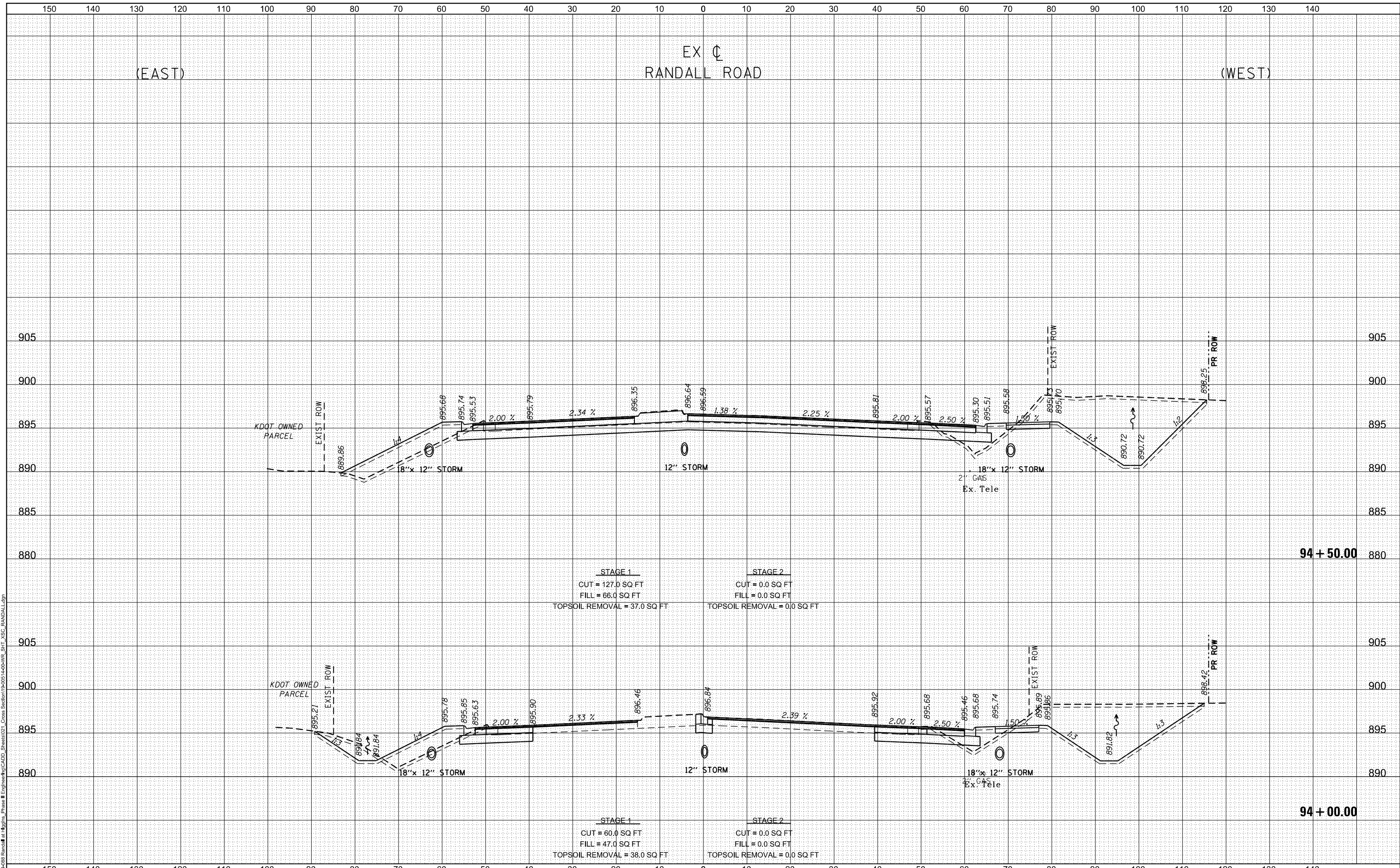
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	251
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

SHEET 10 OF 35 SHEETS STA. 93+00.00 TO STA. 93+50.00

DATE	
BY	
FINAL SURVEY	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

MODEL: D:\in\11\11-0001\11-0001.dwg
 FILE NAME: 11-0001.dwg
 PROJECT: 11-0001
 SHEET: 11 OF 35
 DATE: 6/19/2025



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS**

1"=5' VERT
SCALE: 1"=10' HORZ

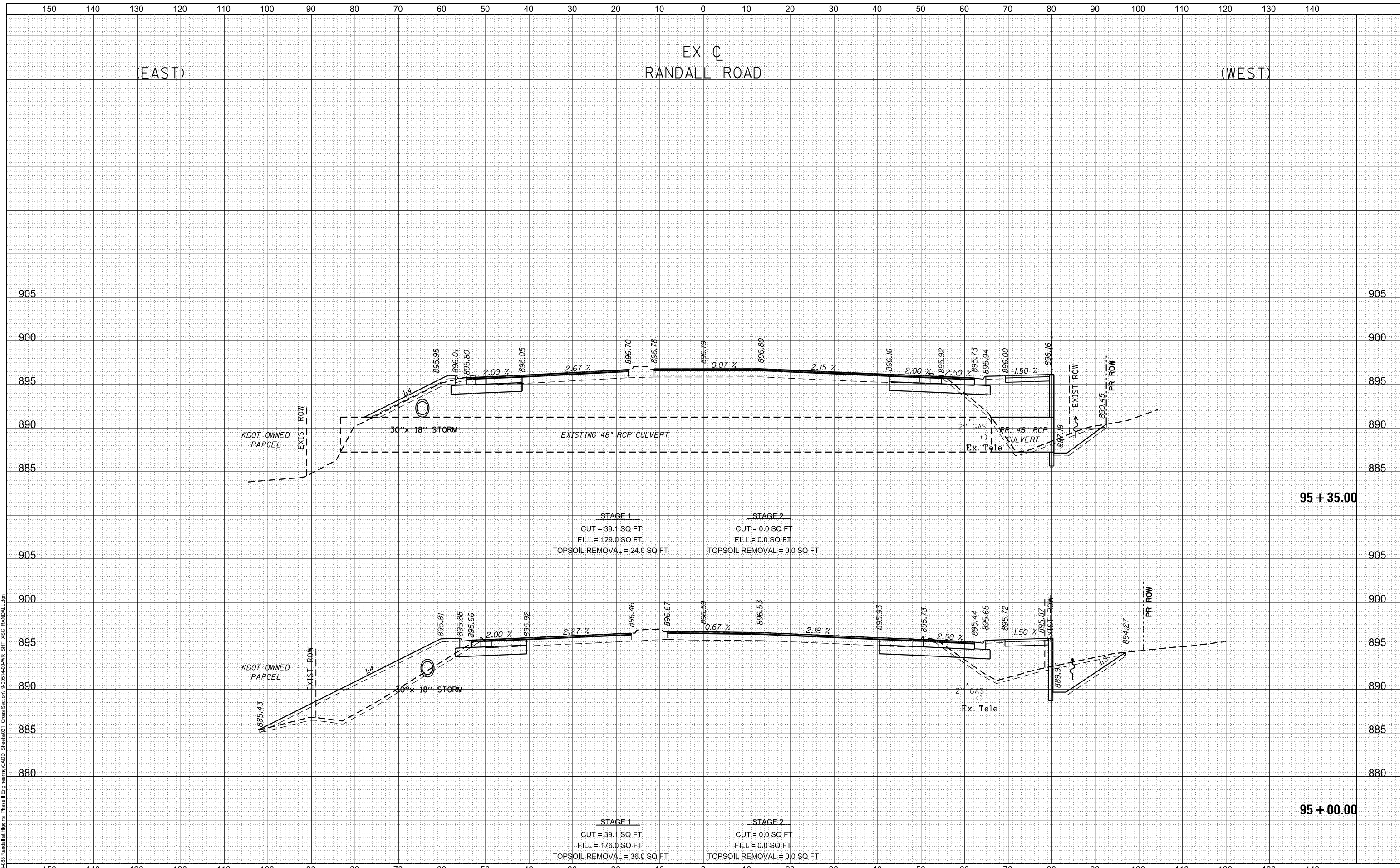
SHEET 11 OF 35 SHEETS
STA. 94+00.00 TO STA. 94+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	252
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

MODEL: D:\in\11\2024\08_Randall at Higgins Phase II Engineering\CADD_Sheets\21_Cross Section\95+00\95+00\RR_SHT_XSC_RANDALL.dgn
 FILE NAME: 202408_Randall at Higgins Phase II Engineering\CADD_Sheets\21_Cross Section\95+00\95+00\RR_SHT_XSC_RANDALL.dgn



USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

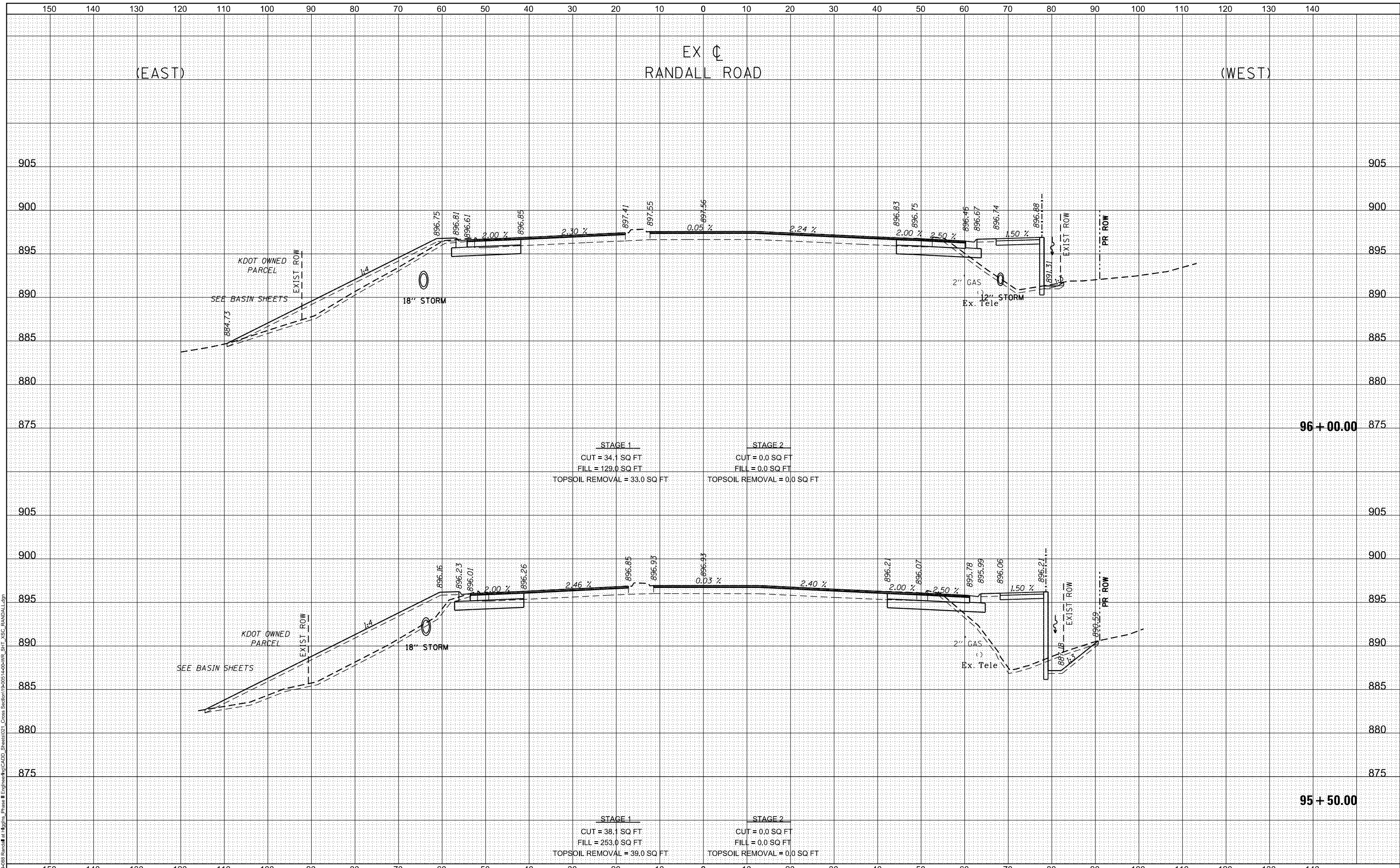
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 12 OF 35 SHEETS	STA. 95+00.00 TO STA. 95+35.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	253
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: D:\in\11\2025\02\Randall - Phase II Highway\11\2025\02\Randall - Phase II Highway\11\2025\02\Randall - Cross Section\19-00514-00-WR_SIT_XSC_RANDALL.dgn
 FILE NAME: 19-00514-00-WR_SIT_XSC_RANDALL.dgn



BLA, Inc.

USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

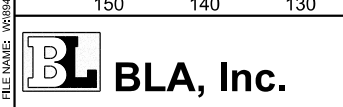
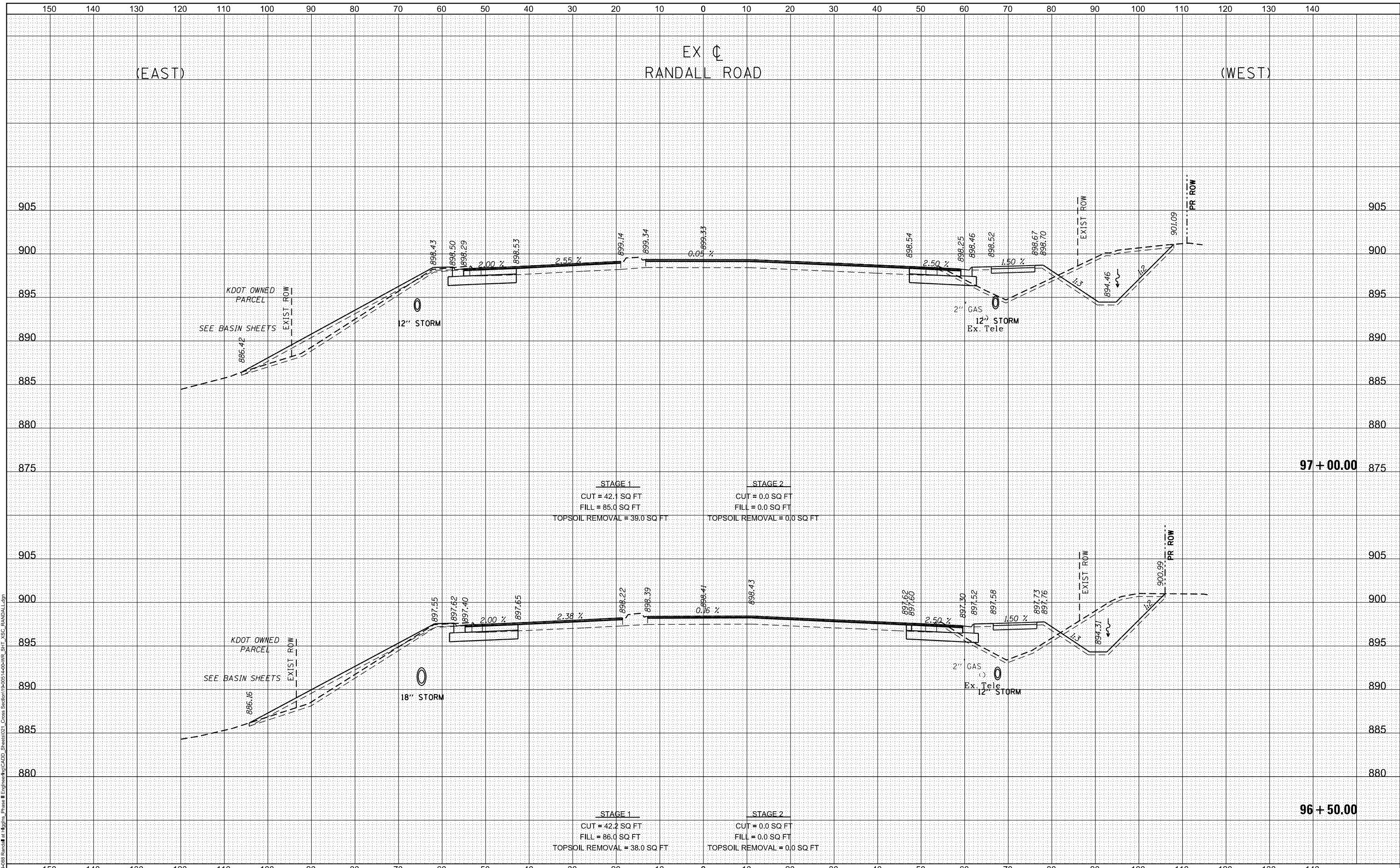
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 13	OF 35 SHEETS	STA. 95+50.00 TO STA. 96+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	254
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\in\11\2024\08_Randall at Higgins Phase II Engineering\11_Cross Section\19-00514-00-WR_SHT_XSC_RANDALL.dgn
 FILE NAME: 19-00514-00-WR_SHT_XSC_RANDALL.dgn



USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

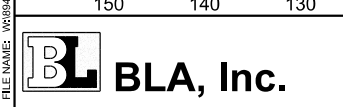
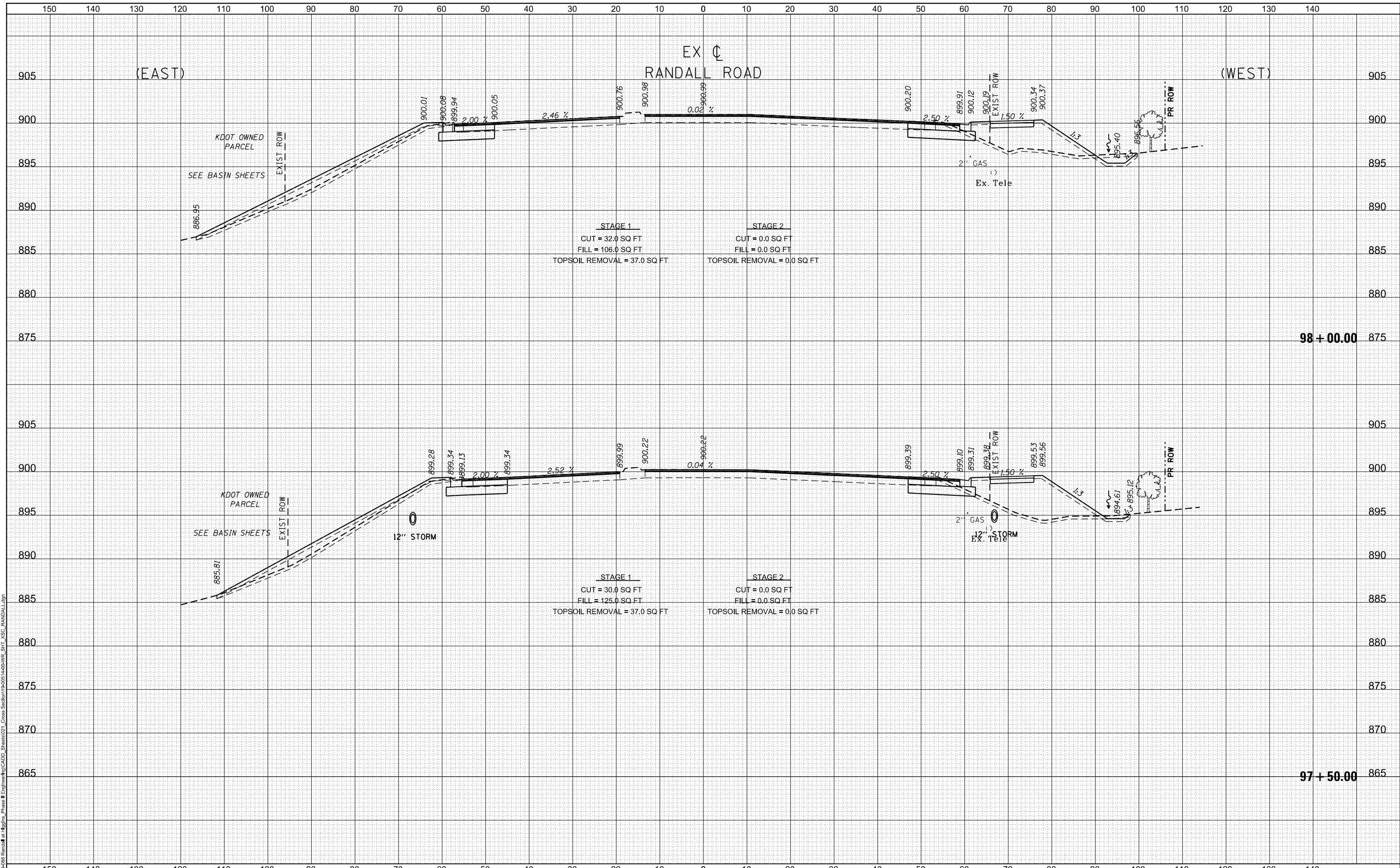
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 14	OF 35 SHEETS	STA. 96+50.00 TO STA. 97+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	255
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\in\1\2024\08\Randall - Phase II Highway\11 - Cross Section\19-00514-00-WR_SHT_XSC_RANDALL.dgn
 FILE NAME: 19-00514-00-WR_SHT_XSC_RANDALL.dgn



USER NAME	= cesario
DESIGNED	TN
DRAWN	TN
CHECKED	GJE
DATE	02/15/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS**

1"=5' VERT
SCALE: 1"=10' HORZ

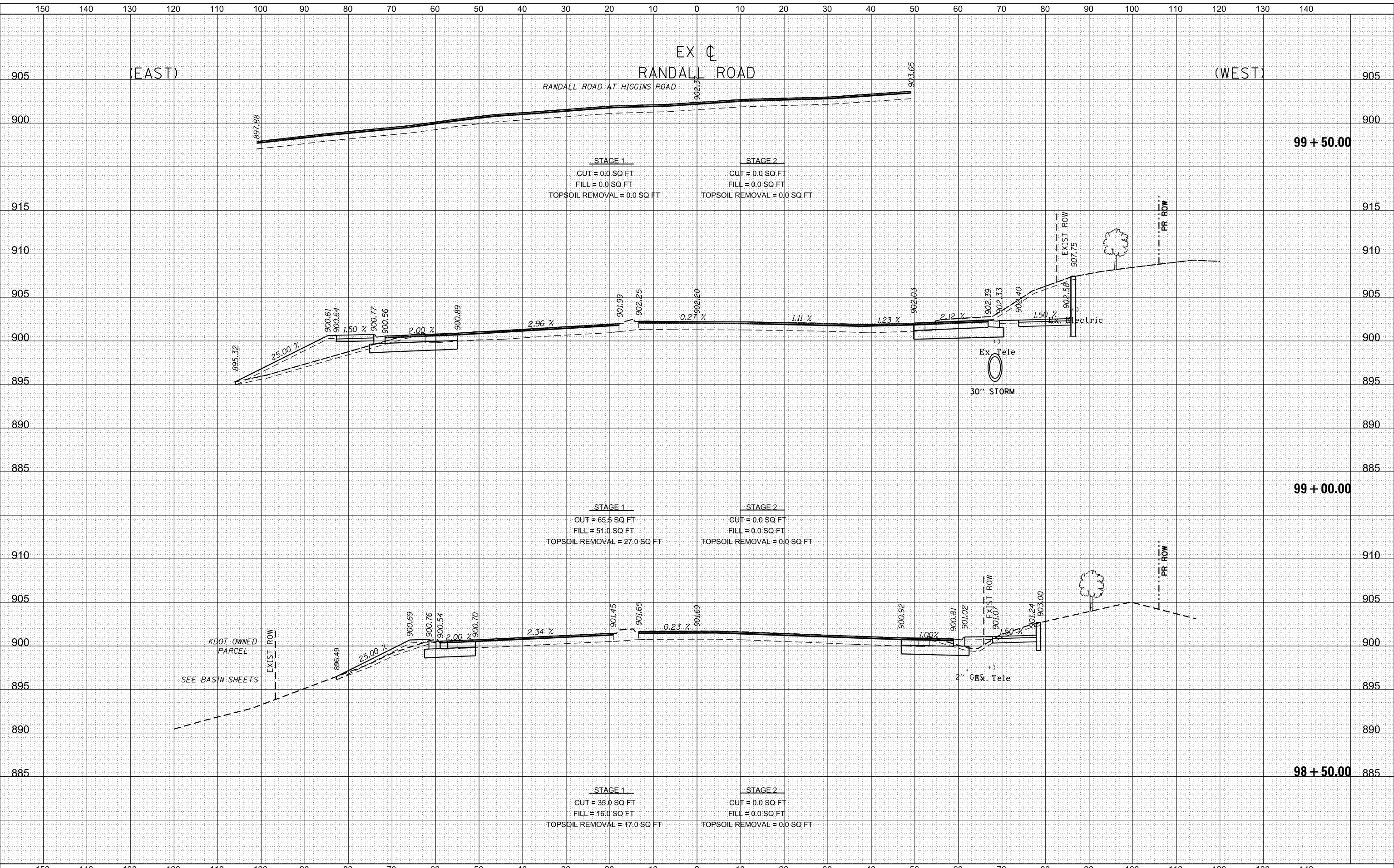
SHEET 15 OF 35 SHEETS STA. 97+50.00 TO STA. 98+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	256
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\in\11\2025\19-00514-00-WR-Randall at Higgins Phase II Engineering\CADD_Sheets\22_Cross Sections\99+50+50+00\RR_SIT_XSC_RANDALL.dgn
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USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS**

1"=5' VERT
SCALE: 1"=10' HORZ

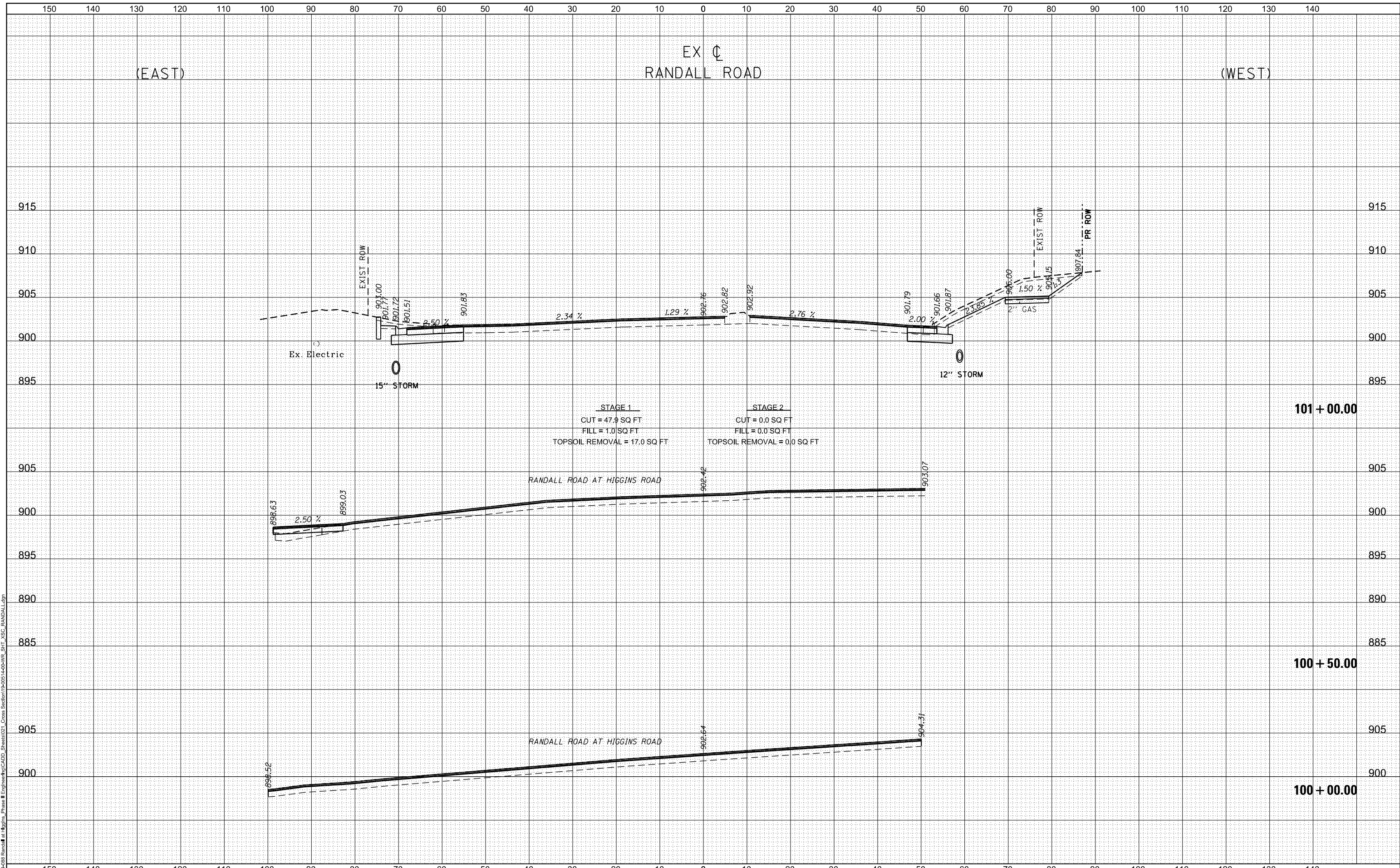
SHEET 16 OF 35 SHEETS STA. 98+50.00 TO STA. 99+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	257
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: D:\in\11\19-00514-00-WR-Randall at Higgins Phase II Engineering\CADD_Sheets\21_Cross Section\19-0514-00-WR_S11_XSC-RANDALL.dgn
FILE NAME: 19-00514-00-WR-Randall at Higgins Phase II Engineering\CADD_Sheets\21_Cross Section\19-0514-00-WR_S11_XSC-RANDALL.dgn



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS
1"=5' VERT
SCALE: 1"=10' HORZ

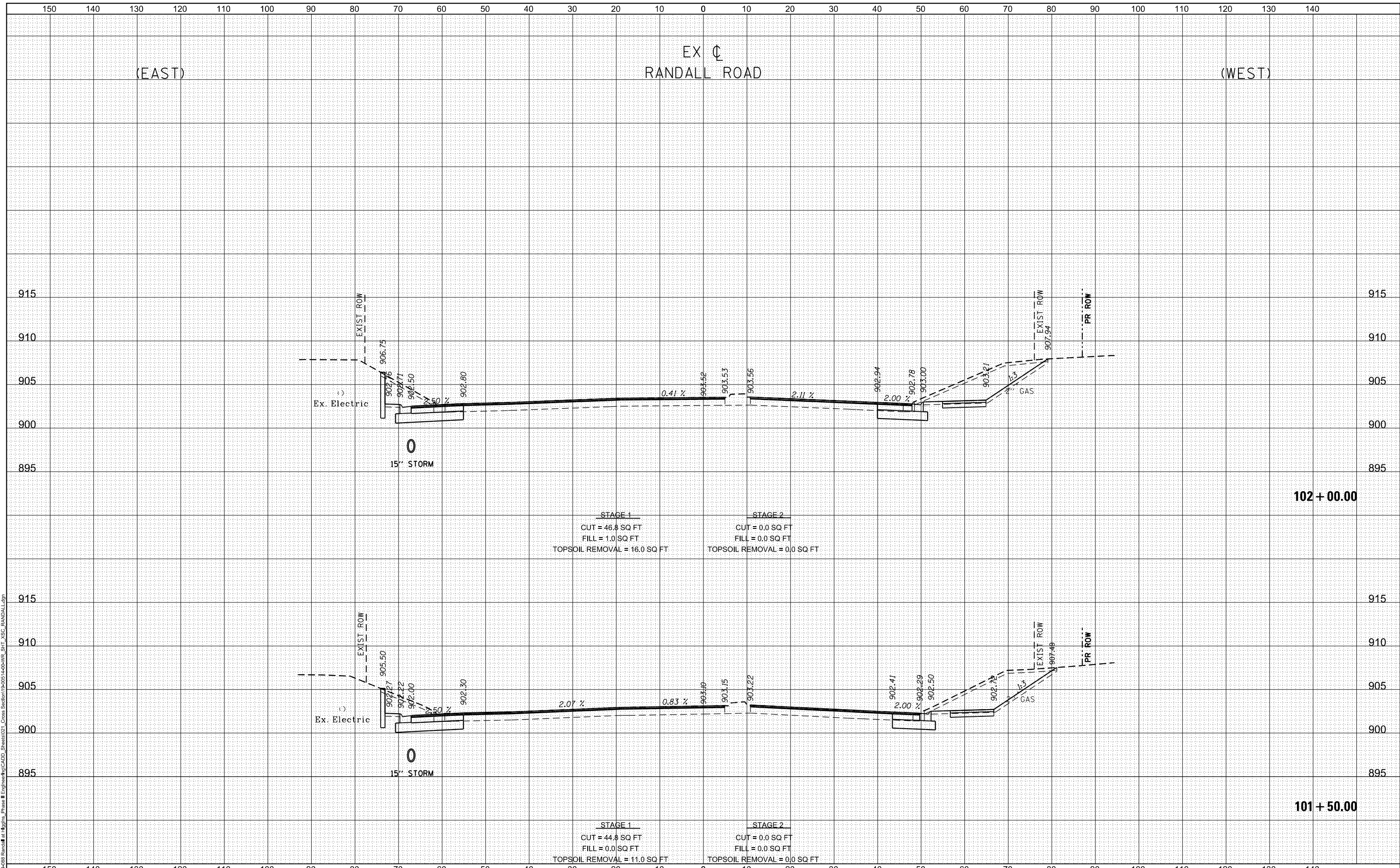
F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 258
CONTRACT NO. 61L28				ILLINOIS FED. AID PROJECT

SHEET 17 OF 35 SHEETS STA. 100+00.00 TO STA. 101+00.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

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 FILE NAME: 19-00514-00-WR-0336-18.dwg
 USER: cesario



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS
 1"=5' VERT
 SCALE: 1"=10' HORZ

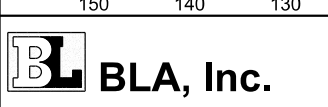
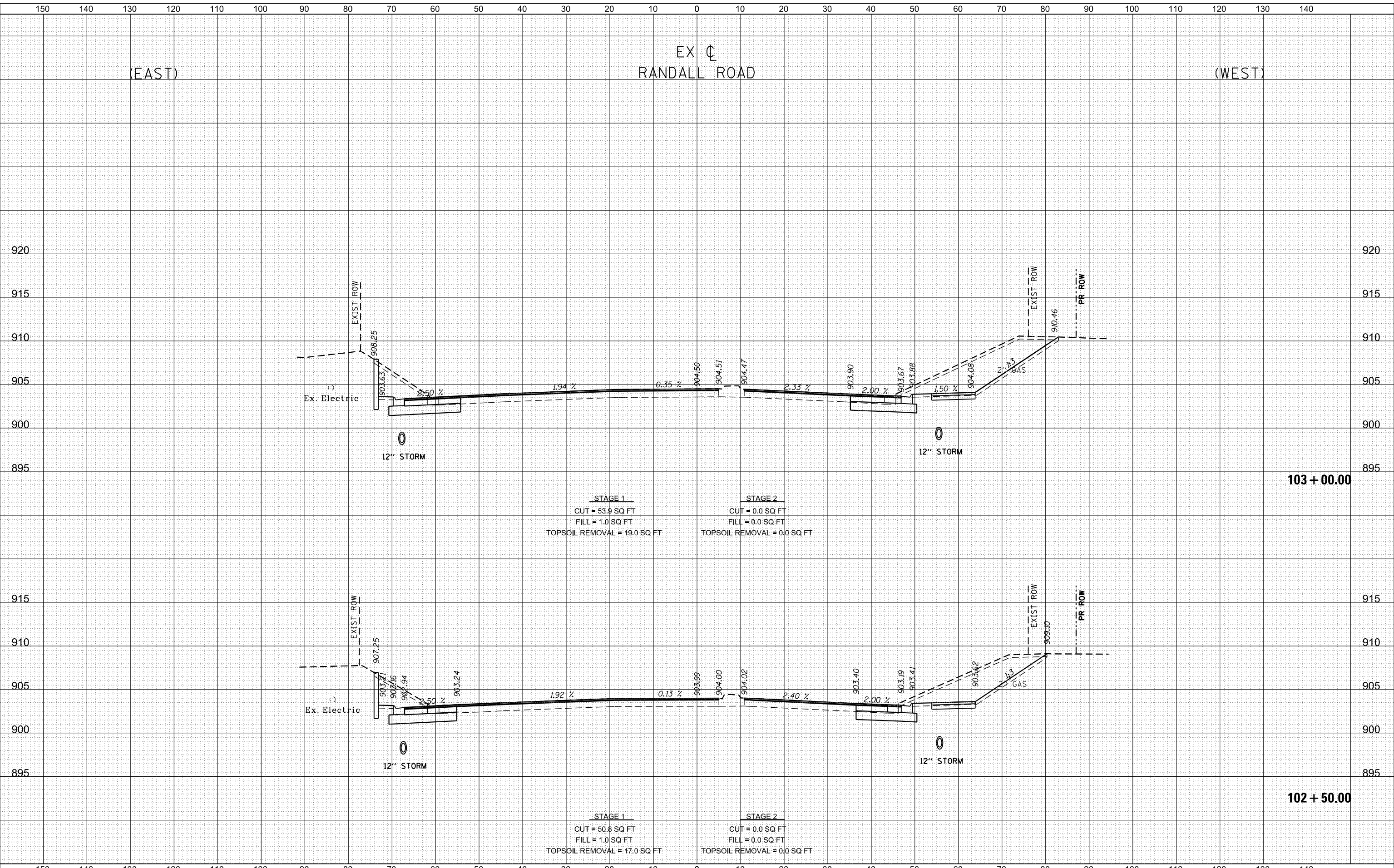
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	259
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

SHEET 18 OF 35 SHEETS STA. 101+50.00 TO STA. 102+00.00

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

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

MODEL: D:\inf\1
FILE NAME: 19-00514-00-WR_Sht_XSC_RANDALL.dgn



USER NAME = cesario	DESIGNED TN	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN TN	REVISED -
PLOT DATE = 6/19/2025	CHECKED GJE	REVISED -
	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS**

1"=5' VERT
SCALE: 1"=10' HORZ

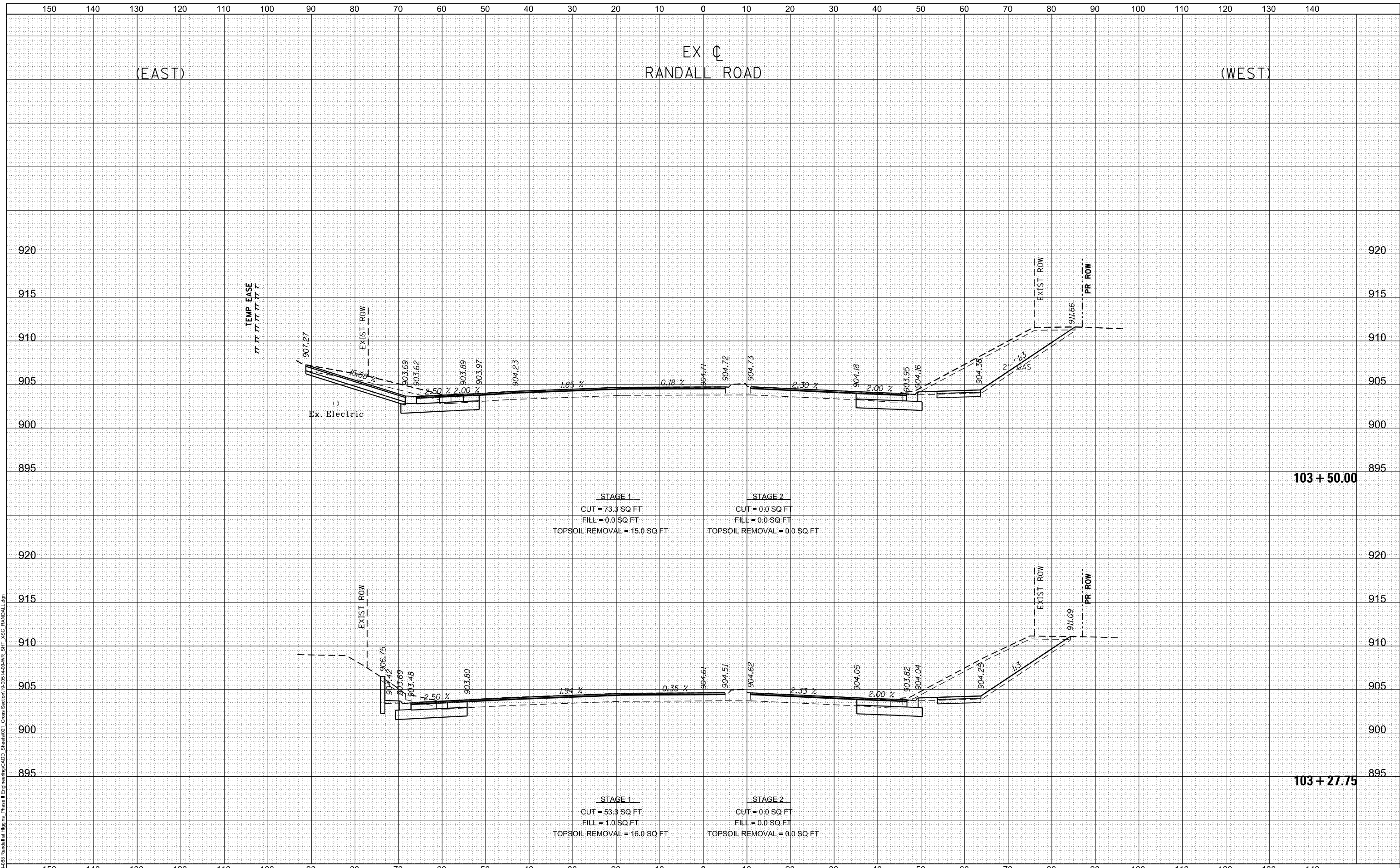
SHEET 19 OF 35 SHEETS STA. 102+50.00 TO STA. 103+00.00

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 260
CONTRACT NO. 61L28			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: D:\in\11\19-00514-00-WR_Sht_103-Randall.dwg
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 USER: cesario



BLA, Inc.

USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
RANDALL - CROSS SECTIONS**

1"=5' VERT
SCALE: 1"=10' HORZ

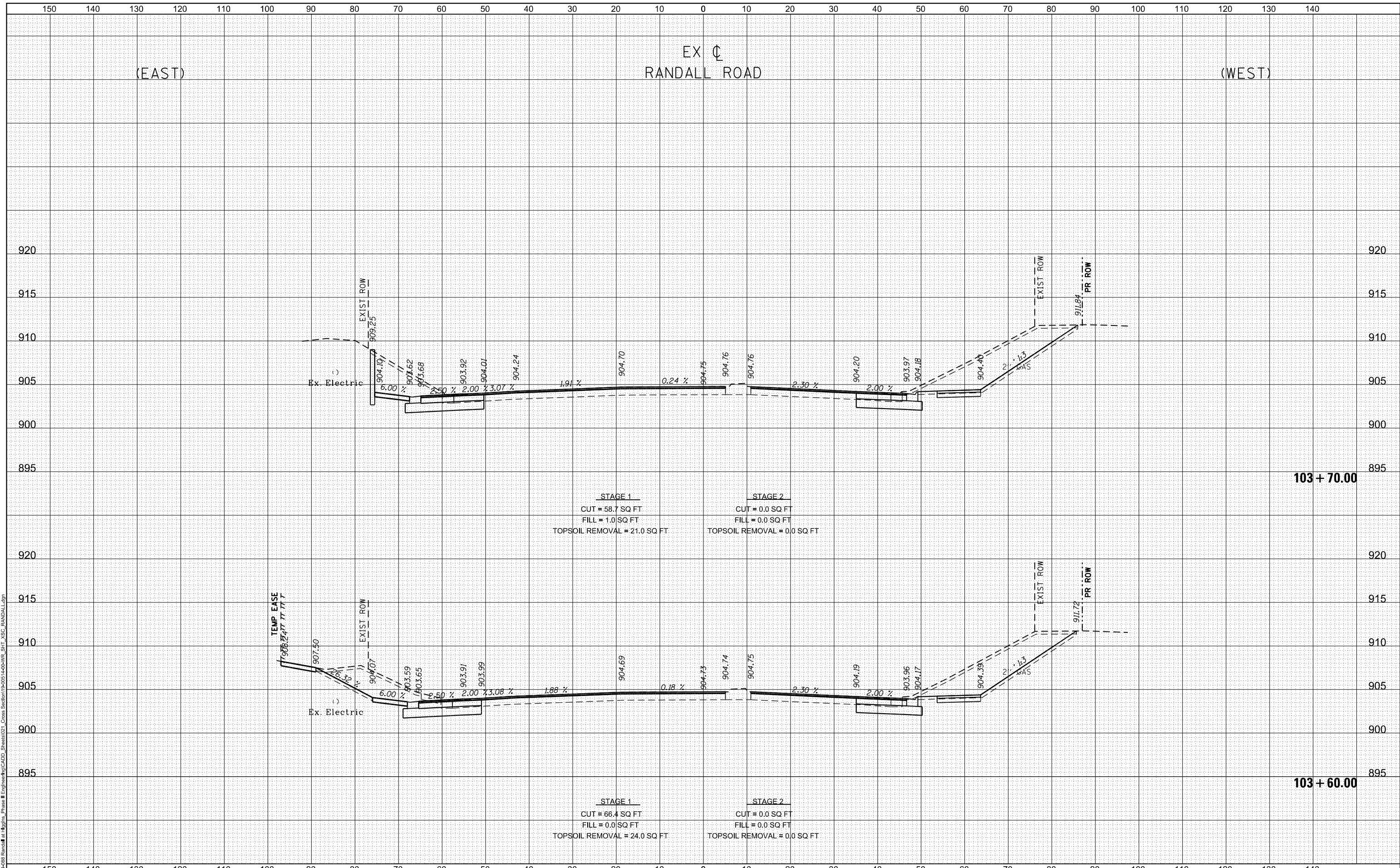
SHEET 20 OF 35 SHEETS STA. 103+27.75 TO STA. 103+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	261
CONTRACT NO. 61L28			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

MODEL: D:\in\11\19-00514-00-WR_Sht_103+60.00.dwg
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 PROJECT: 19-00514-00-WR_Sht_103+60.00.dwg



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 RANDALL - CROSS SECTIONS
 1"=5' VERT
 SCALE: 1"=10' HORZ

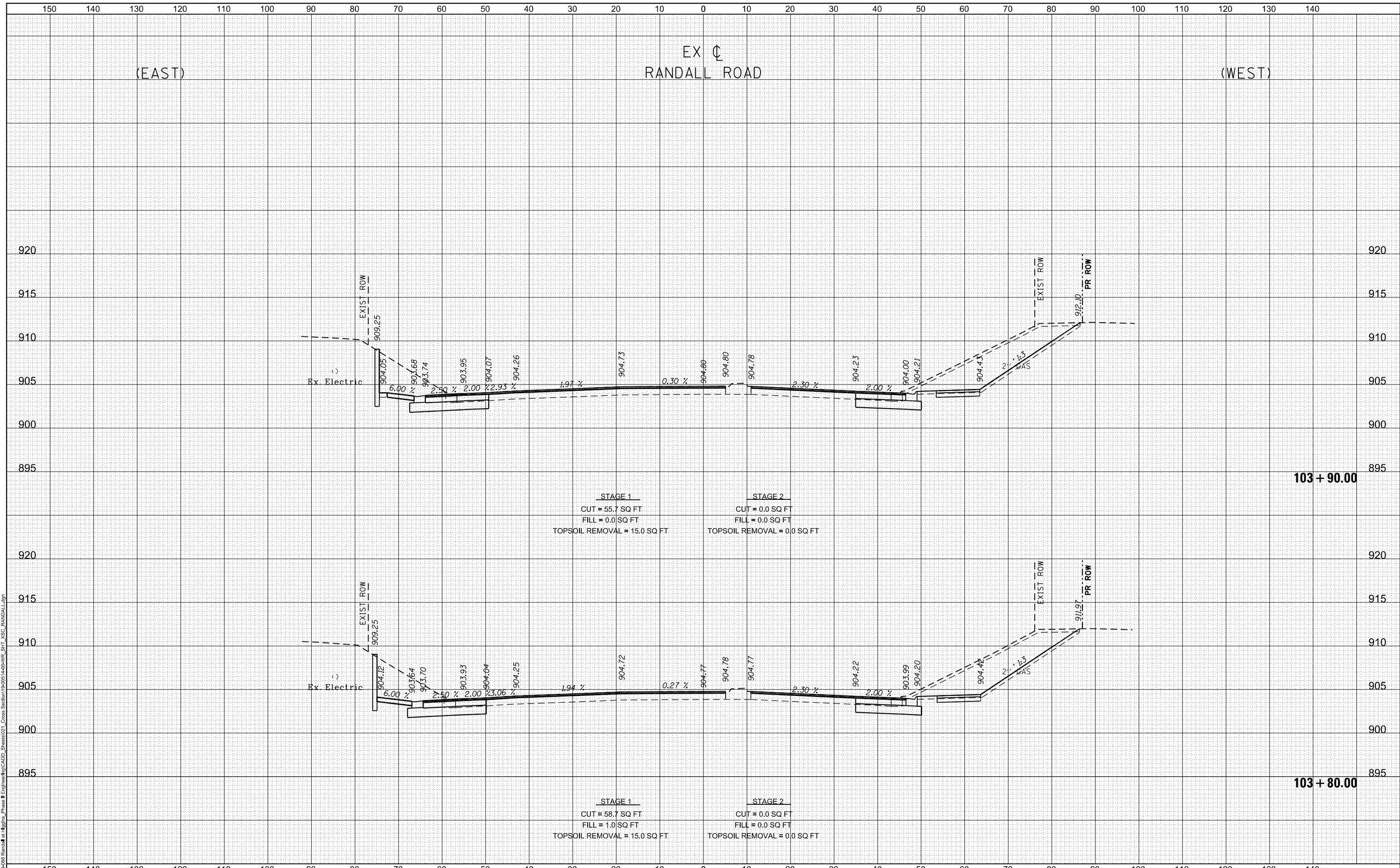
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	262
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

SHEET 21 OF 35 SHEETS STA. 103+60.00 TO STA. 103+70.00

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

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 SHEET: 11-0001



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 RANDALL - CROSS SECTIONS**

1"=5' VERT
 SCALE: 1"=10' HORZ

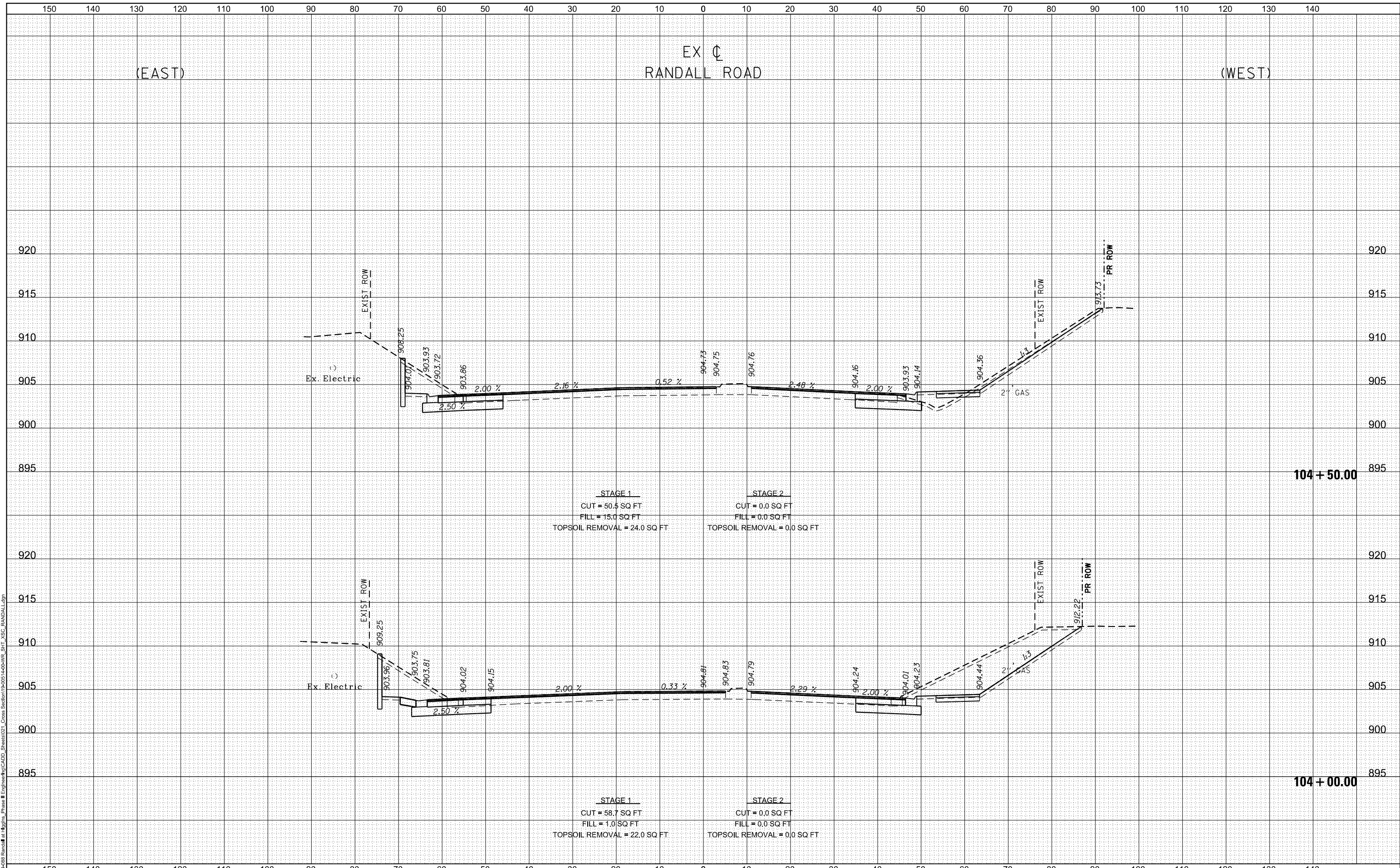
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	263
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

SHEET 22 OF 35 SHEETS STA. 103+80.00 TO STA. 103+90.00

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

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

MODEL: D:\in\11\19-00514-00-WR-Randall at Higgins Phase II Engineering\19-00514-00-WR-SIT_XSC-RANDALL.dgn
 FILE NAME: 19-00514-00-WR-Randall at Higgins Phase II Engineering\19-00514-00-WR-SIT_XSC-RANDALL.dgn



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 RANDALL - CROSS SECTIONS
 1"=5' VERT
 SCALE: 1"=10' HORZ

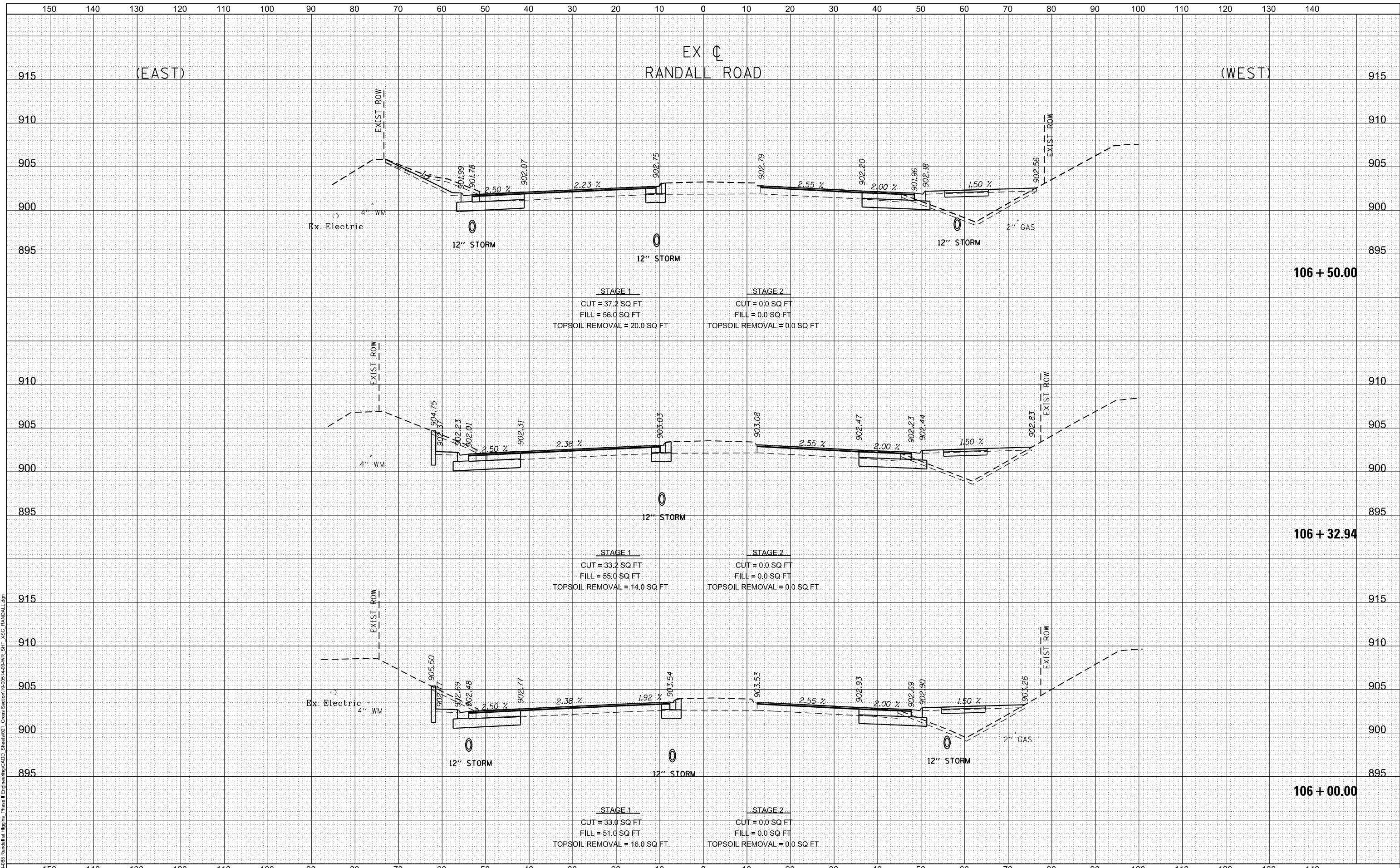
F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 264
CONTRACT NO. 61L28				ILLINOIS FED. AID PROJECT

SHEET 23 OF 35 SHEETS STA. 104+00.00 TO STA. 104+50.00

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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MODEL: D:\mif...
 FILE NAME: W0904-088_Randall_Plane II Engineering\Proj\CADD_Sheets\2021_Cross Section\190514-00-WR_SIT_XSC_RANDALL.cmn



BLA, Inc.

USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

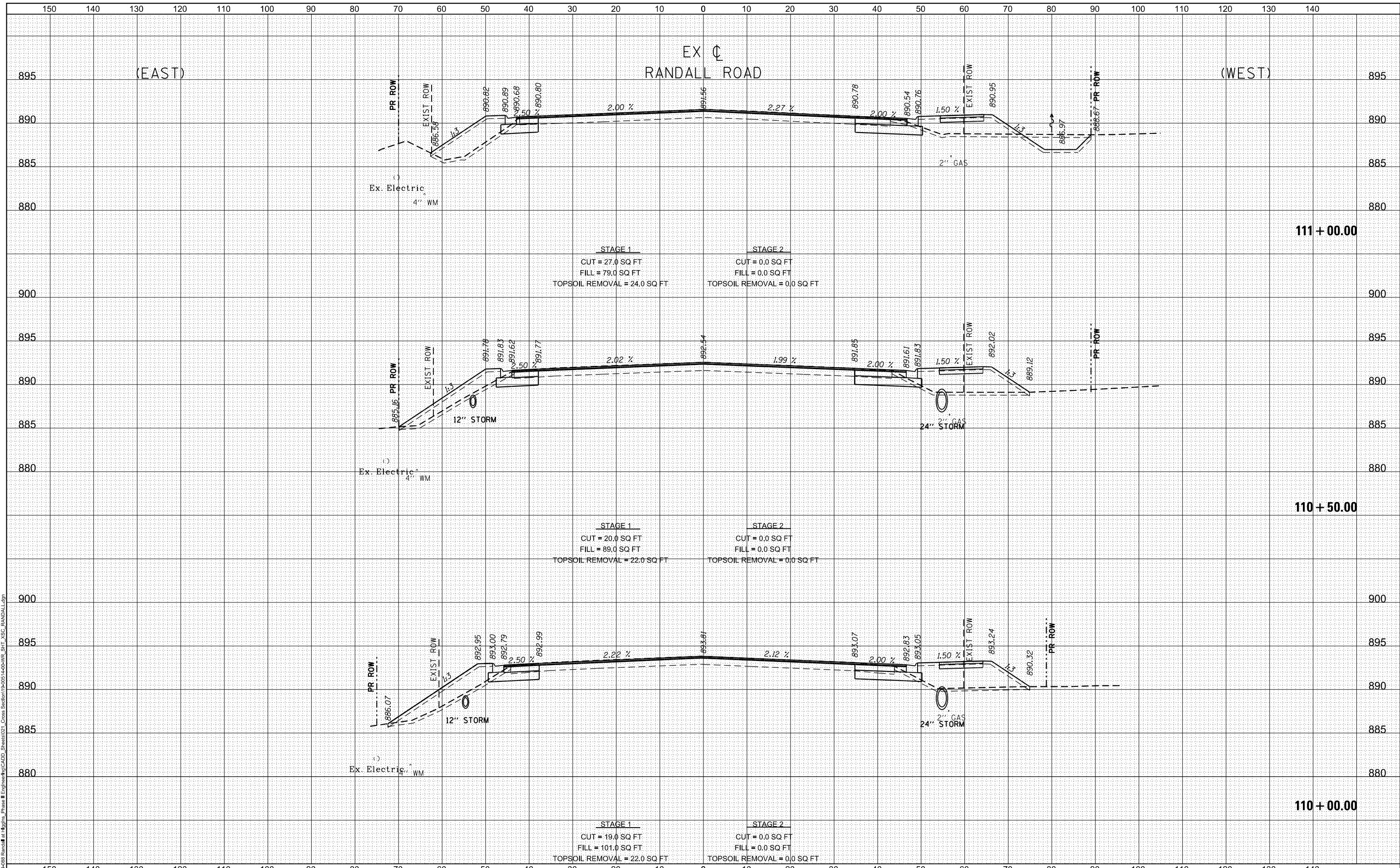
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
RANDALL - CROSS SECTIONS			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 25	OF 35 SHEETS	STA. 106+00.00 TO STA. 106+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	266
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	
FINISH	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	
ORIGINAL	
NO.	

MODEL: D:\in\11\110000\110000.dwg
 FILE NAME: 110000.dwg
 PROJECT: 110000
 SHEET: 29 OF 35
 DATE: 6/19/2025



USER NAME	cesario
DESIGNED	TN
DRAWN	TN
CHECKED	GJE
DATE	02/15/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 CROSS SECTIONS - IL RTE 72
 1"=5' VERT
 SCALE: 1"=10' HORZ

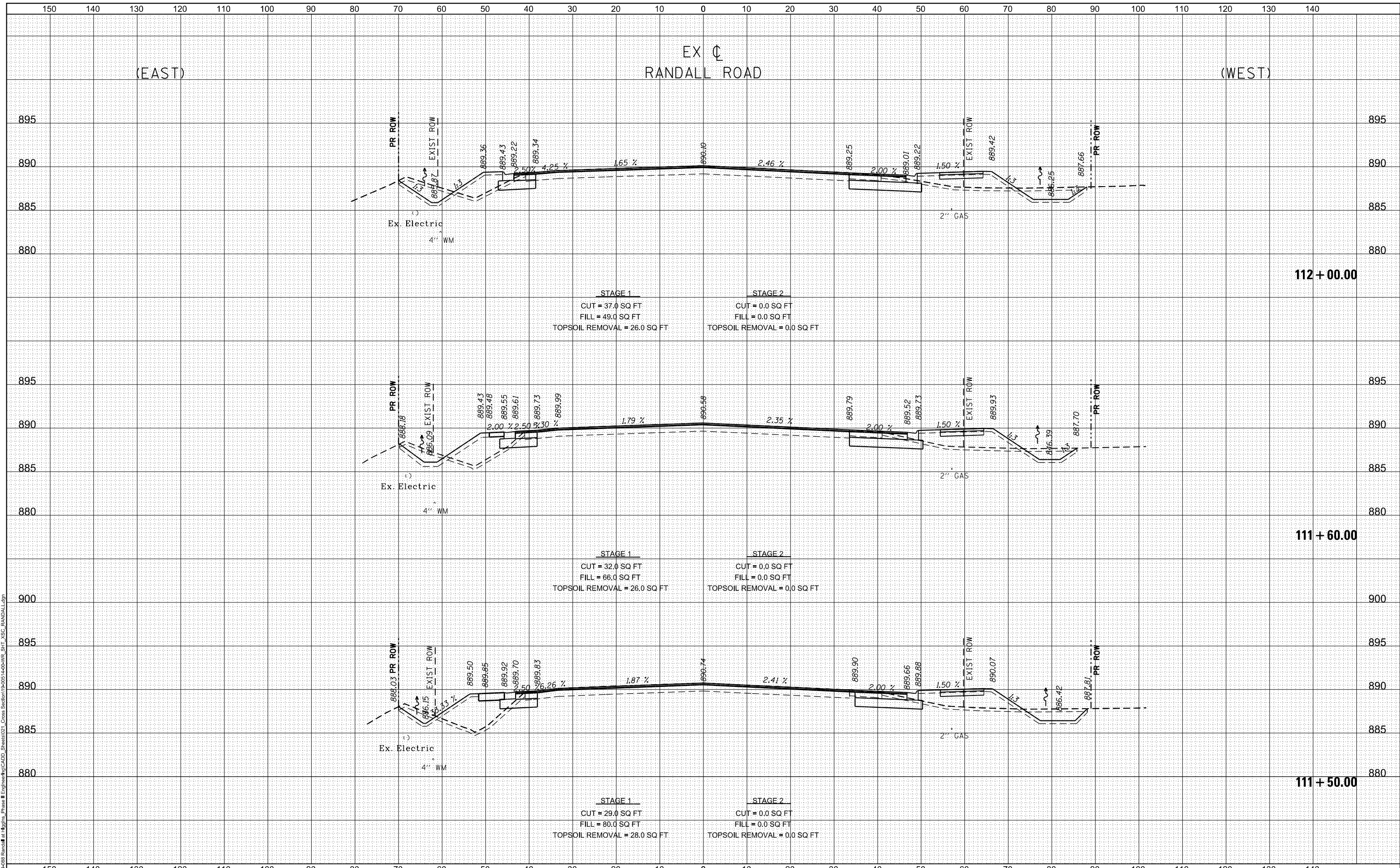
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	270
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

STA. 110+00.00 TO STA. 111+00.00
 SHEET 29 OF 35 SHEETS

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

DATE	
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AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	

MODEL: D:\in\111\111-00514-00-WR_Sht_111_XSC_RANDALL.dgn
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USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

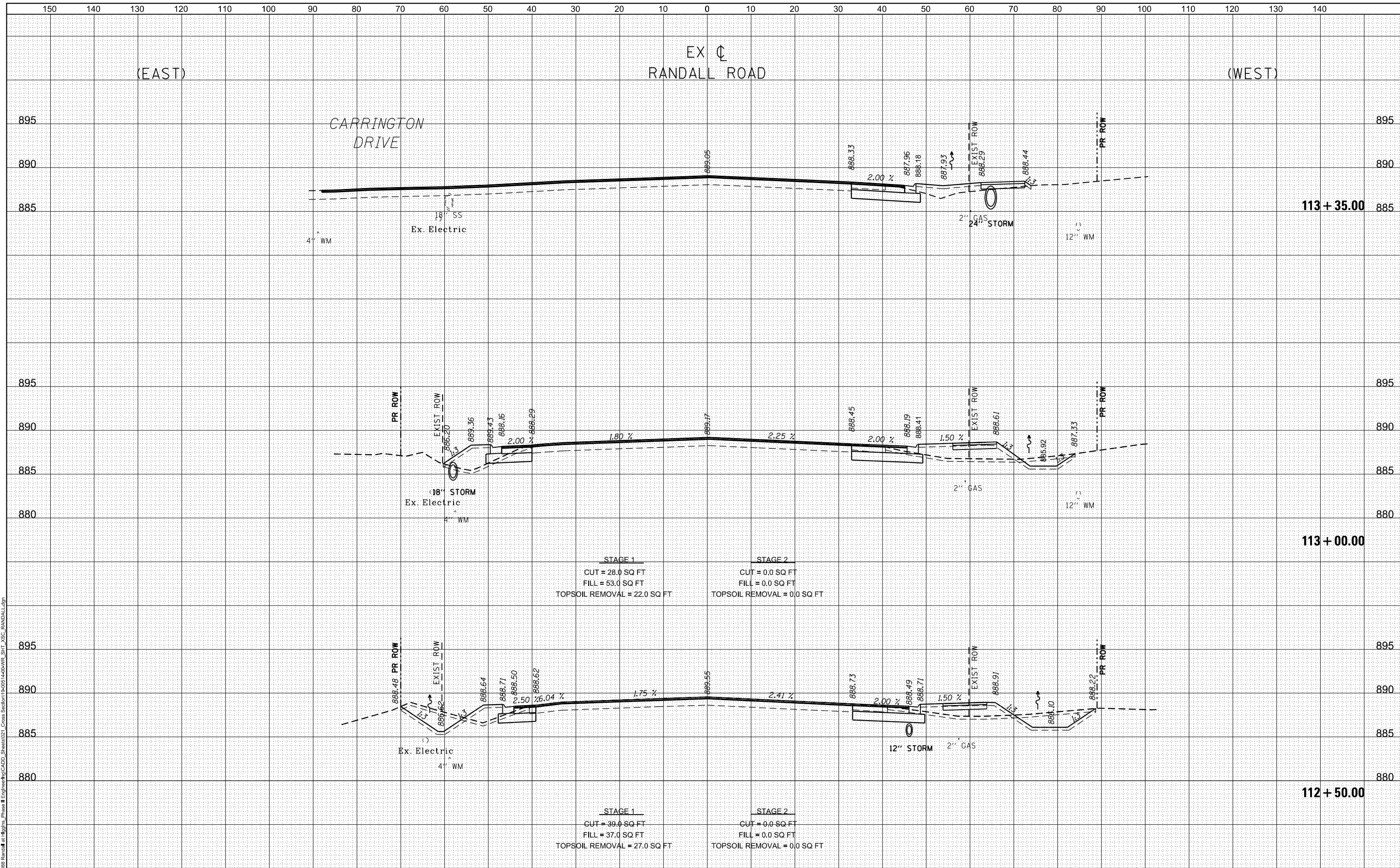
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
CROSS SECTIONS - IL RTE 72			
1"=5' VERT		SCALE: 1"=10' HORZ	
SHEET 31	OF 35 SHEETS	STA. 111+50.00	TO STA. 112+00.00

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 272
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
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NOTE BOOK	
AREAS CHECKED	
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USER NAME = cesario	DESIGNED TN	REVISIED -
	DRAWN TN	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISIED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
CROSS SECTIONS - IL RTE 72
1"=5' VERT
SCALE: 1"=10' HORZ

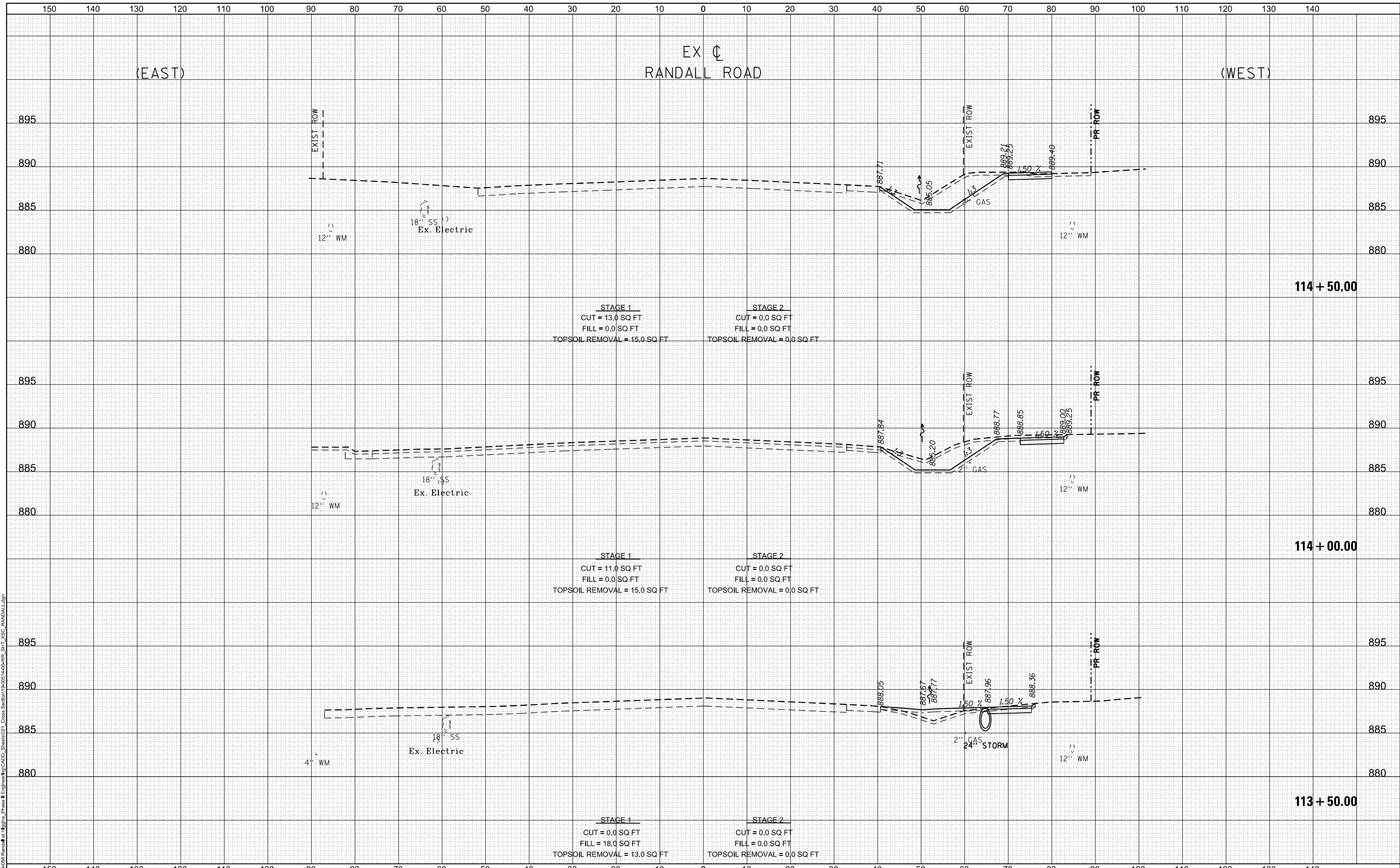
F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 273
CONTRACT NO. 61L28			ILLINOIS FED. AID PROJECT	

SHEET 32 OF 35 SHEETS STA. 112+50.00 TO STA. 113+50.00

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

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

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USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 CROSS SECTIONS - IL RTE 72
 1"=5' VERT
 SCALE: 1"=10' HORZ

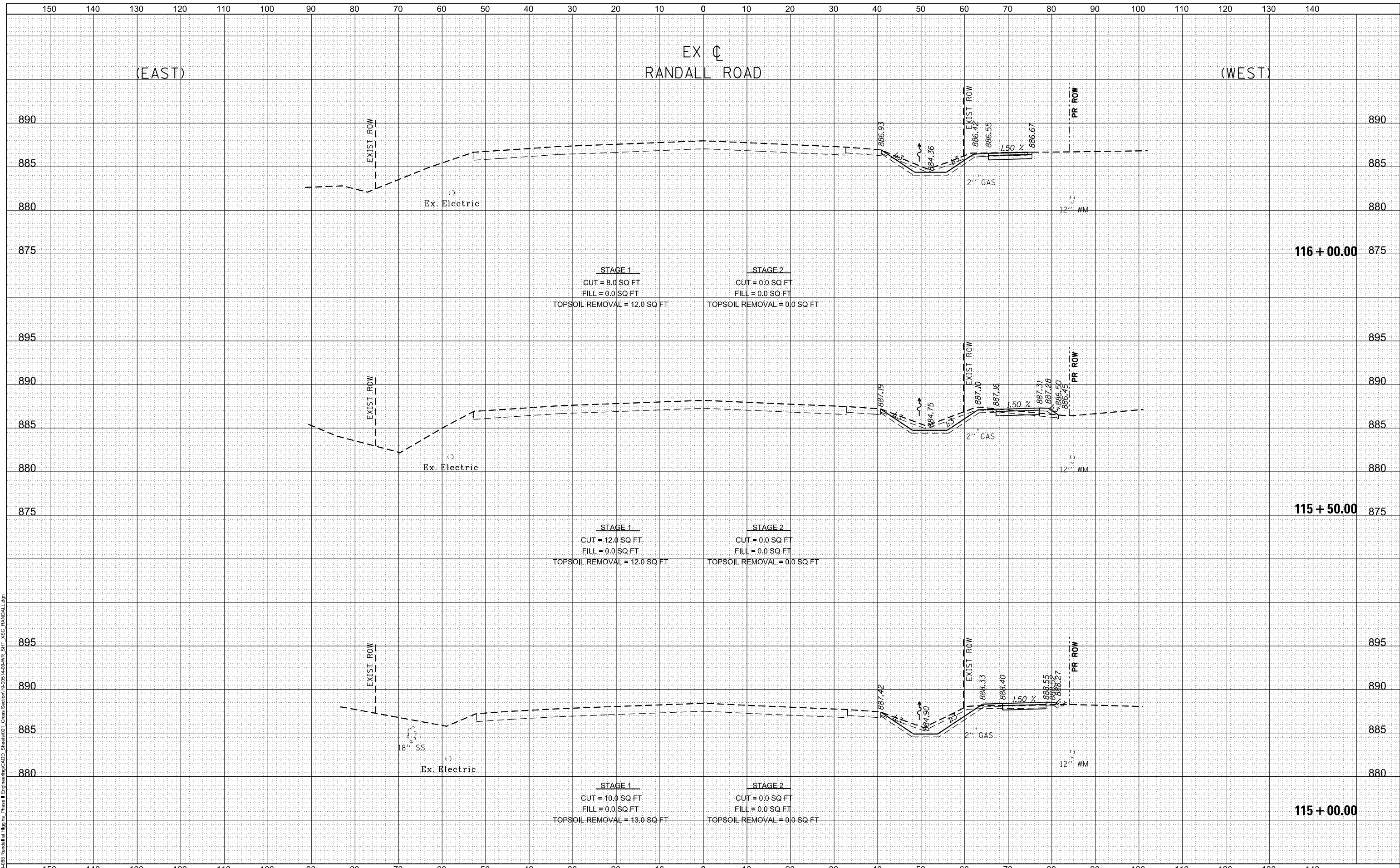
F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 274
CONTRACT NO. 61L28				ILLINOIS FED. AID PROJECT

SHEET 33 OF 35 SHEETS STA. 114+00.00 TO STA. 115+00.00

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
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TEMPLATE	
AREAS CHECKED	
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USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
CROSS SECTIONS - IL RTE 72			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 34	OF 35 SHEETS	STA. 115+50.00 TO STA. 116+50.00

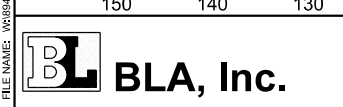
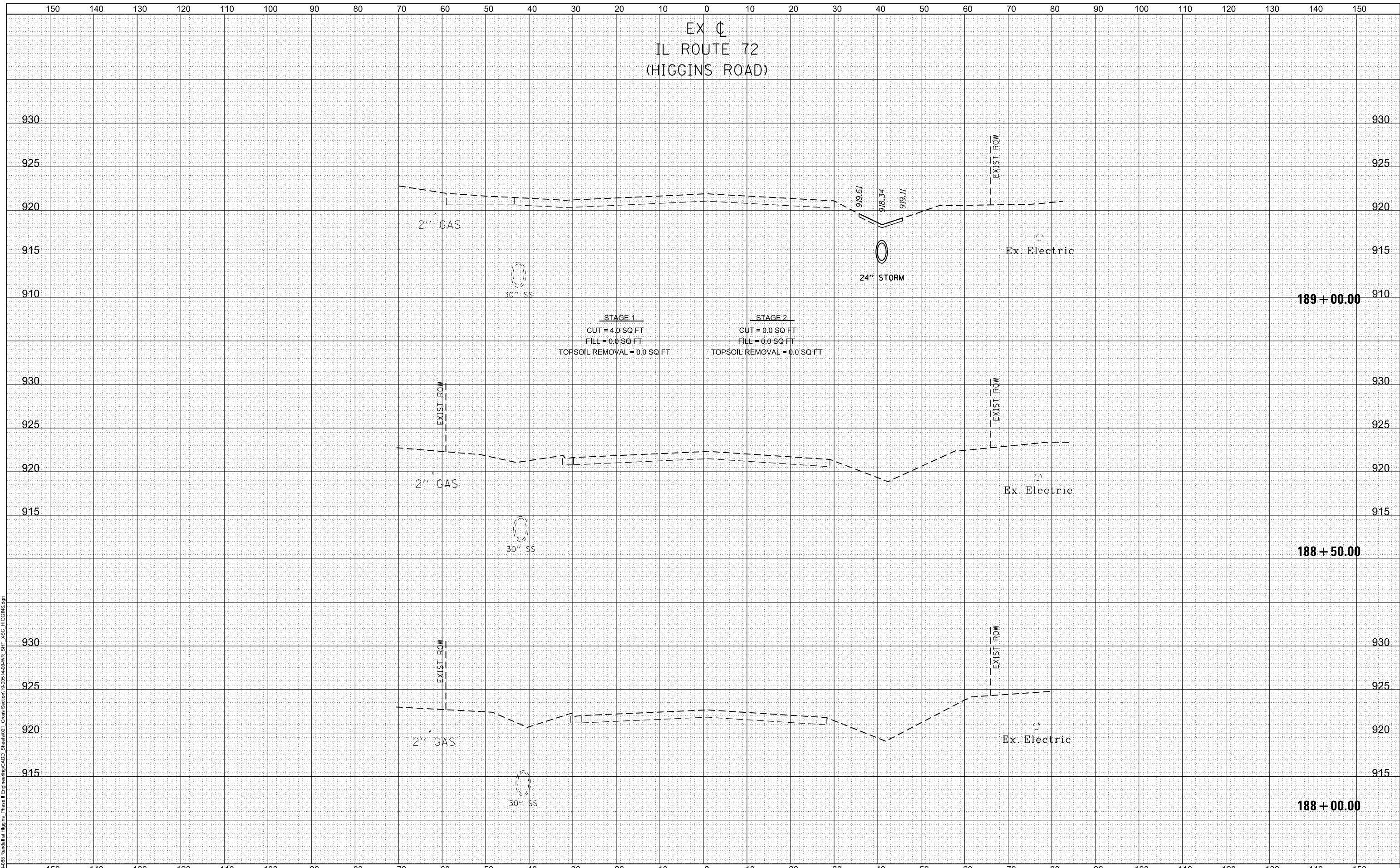
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	275
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

EX C
IL ROUTE 72
(HIGGINS ROAD)

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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TEMPLATE	
AREAS CHECKED	
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MODEL: D:\in\...
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	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

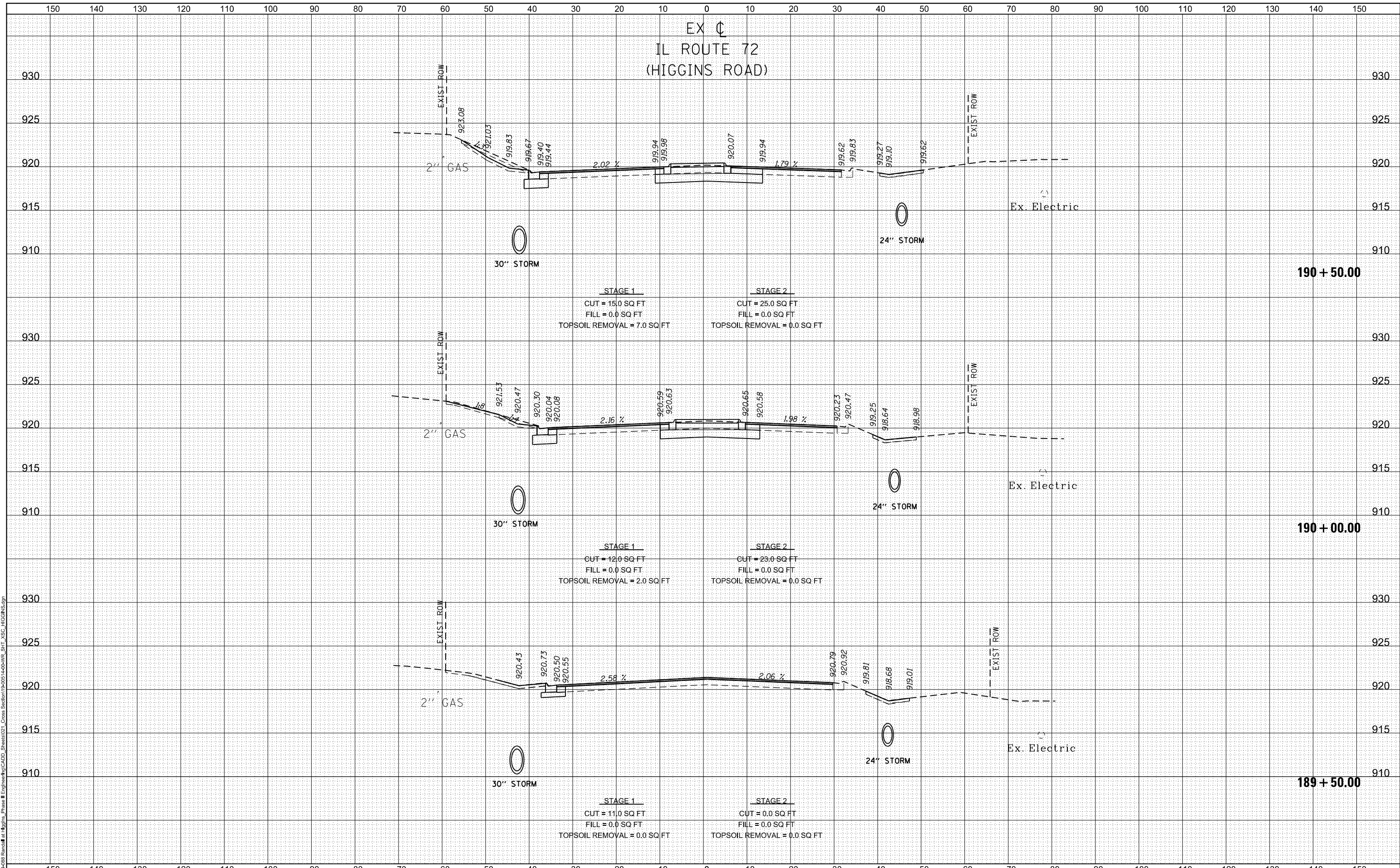
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
CROSS SECTIONS - IL RTE 72			
1"=5' VERT		SCALE: 1"=10' HORZ	
SHEET 1	OF 20 SHEETS	STA. 188+00.00	TO STA. 189+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	277
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH SURVEY	
NOTE BOOK	
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DATE	
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AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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MODEL: D:\in\11\19-00514-00-WR-19-00514-00-WR-SHT_XSC_HIGGINS.dgn
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USER NAME	cesario
DESIGNED	TN
DRAWN	TN
CHECKED	GJE
DATE	02/15/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	
CROSS SECTIONS - IL RTE 72	
1"=5' VERT	
SCALE: 1"=10' HORZ	SHEET 2 OF 20 SHEETS
STA. 189+50.00	TO STA. 190+50.00

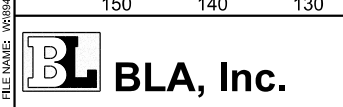
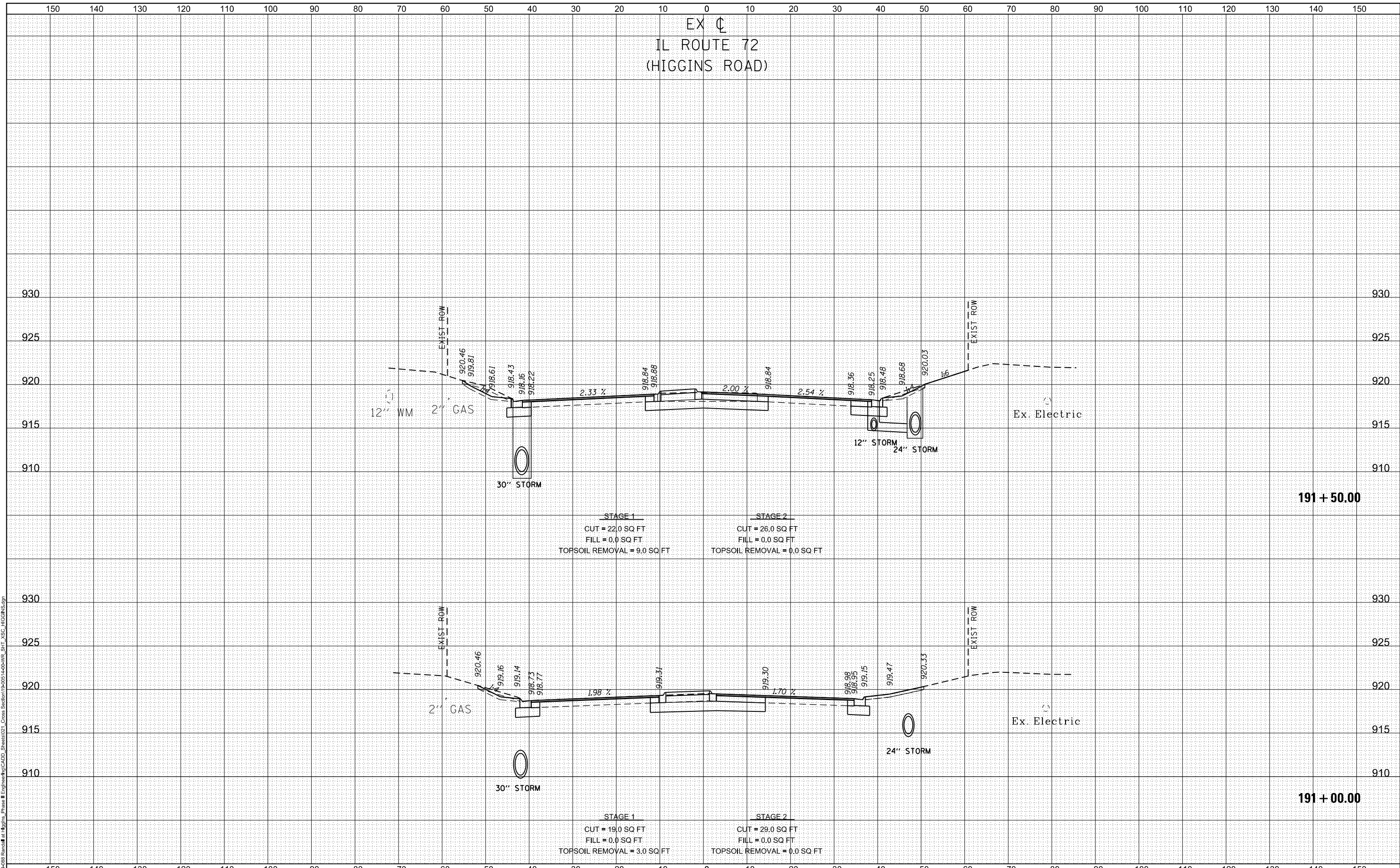
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	278
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

EX \downarrow
IL ROUTE 72
(HIGGINS ROAD)

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
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FILE NAME: 19-00514-00-WR-Randall at Higgins - Phase II Engineering\19-00514-00-WR-SIT_XSC-HIGGINS.dgn



USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
CROSS SECTIONS - IL RTE 72
1"=5' VERT
SCALE: 1"=10' HORZ

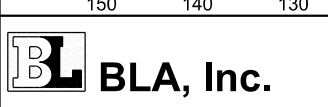
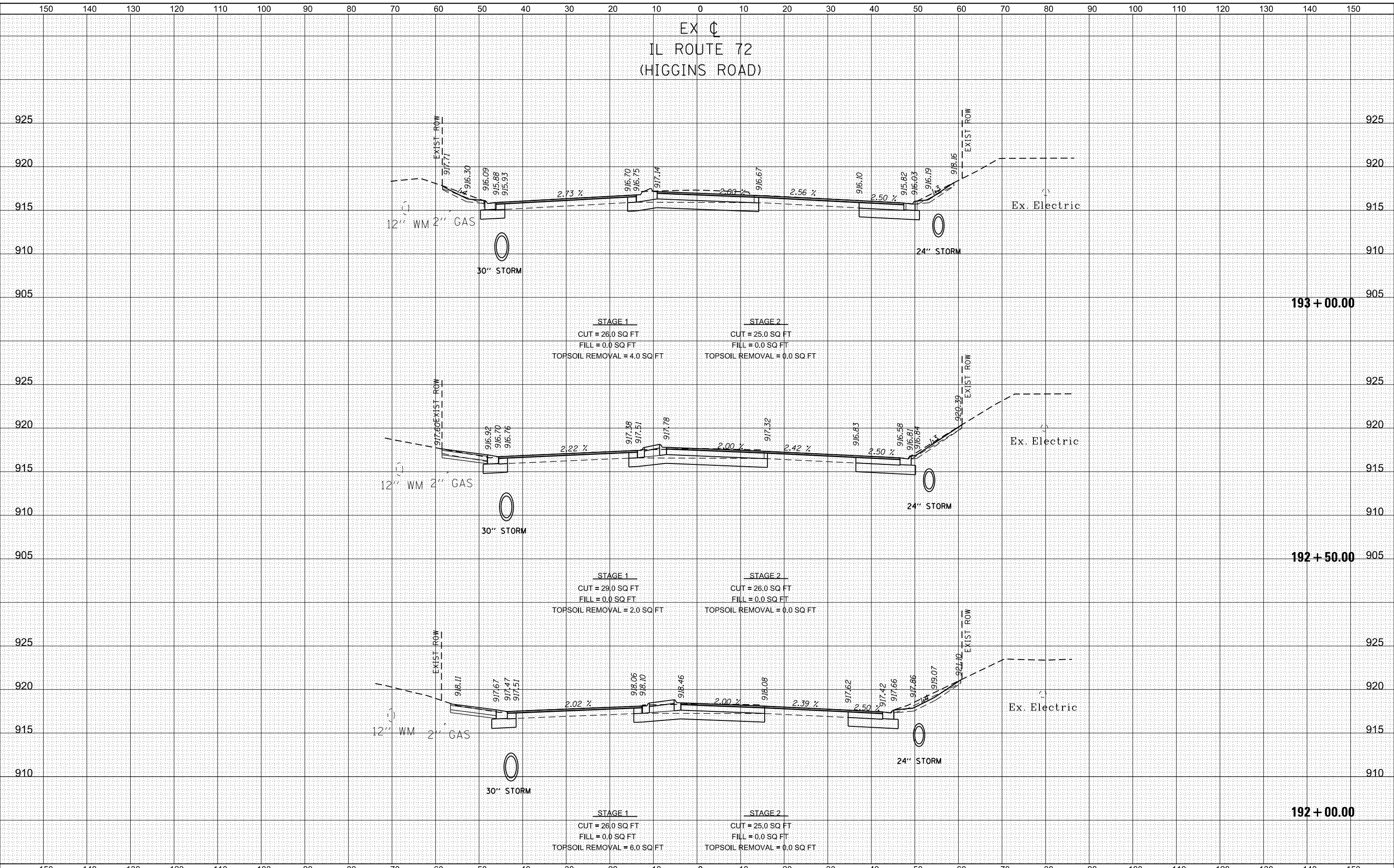
F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 279
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

EX C
IL ROUTE 72
(HIGGINS ROAD)

DATE	
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TEMPLATE	
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MODEL: D:\rout\19-00514-00-WR_Sht_192+00.00.dwg
FILE NAME: 19-00514-00-WR_Sht_192+00.00.dwg



USER NAME	cesario
DESIGNED	TN
DRAWN	TN
CHECKED	GJE
DATE	02/15/2025

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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

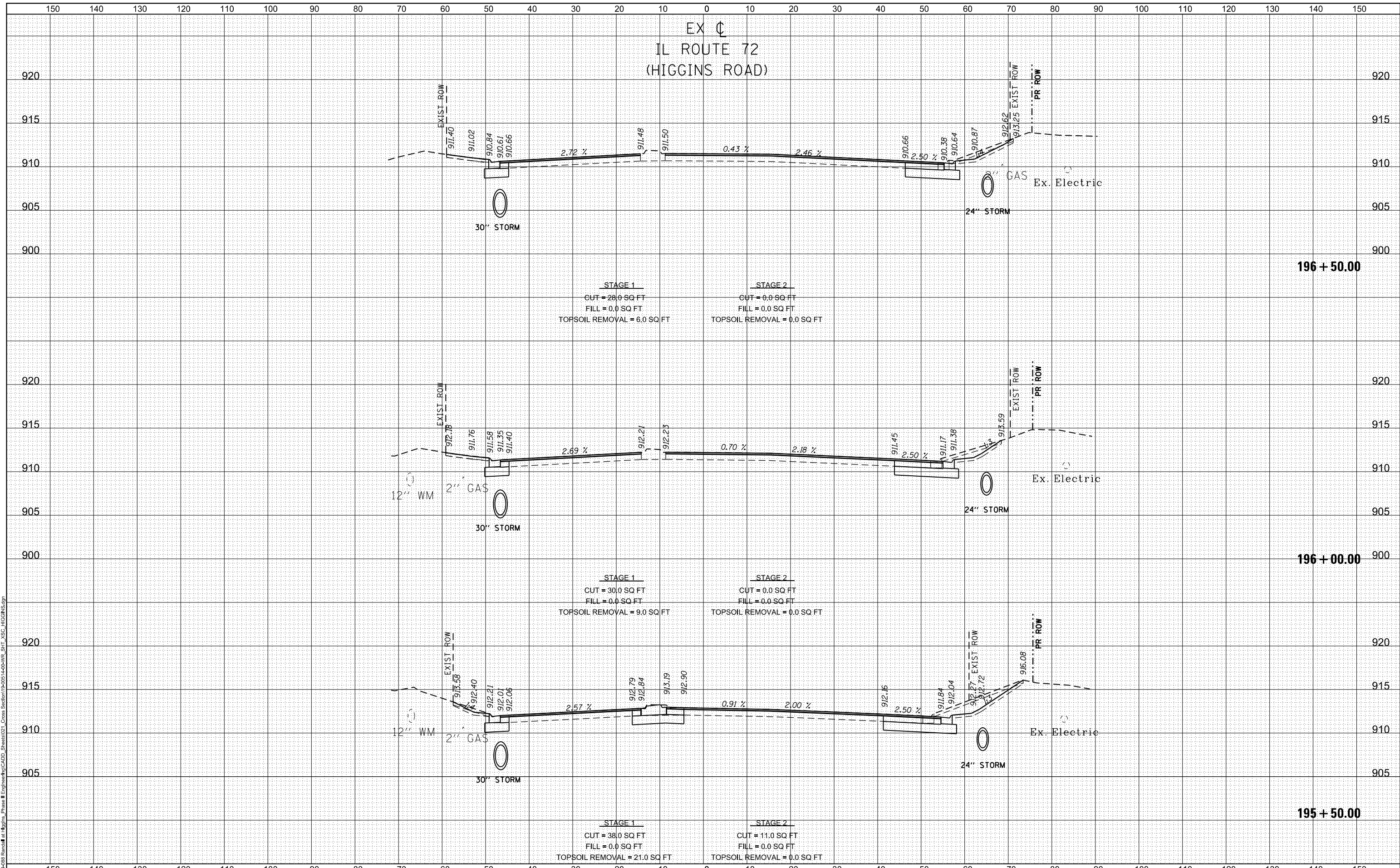
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	
CROSS SECTIONS - IL RTE 72	
1"=5' VERT	
SCALE: 1"=10' HORZ	SHEET 4 OF 20 SHEETS
STA. 192+00.00	TO STA. 193+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	280
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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TEMPLATE	
AREAS CHECKED	
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USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 CROSS SECTIONS - IL RTE 72**

1"=5' VERT
 SCALE: 1"=10' HORZ

SHEET 7 OF 20 SHEETS STA. 195+50.00 TO STA. 196+50.00

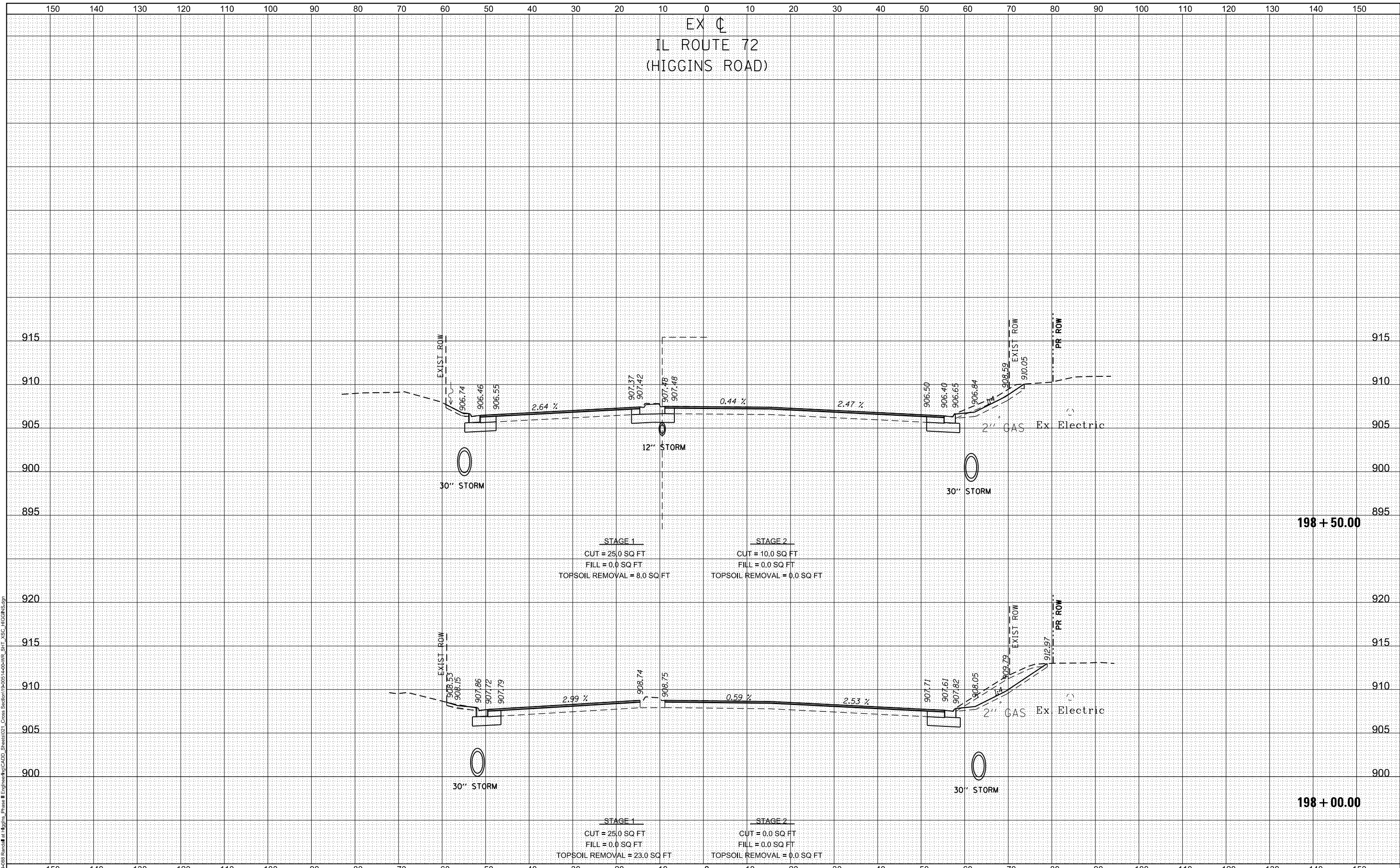
F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 283
CONTRACT NO. 61L28				ILLINOIS FED. AID PROJECT

EX ↕
IL ROUTE 72
(HIGGINS ROAD)

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

MODEL: D:\in\...
FILE NAME: W2019-088_Planet II Engineering\Phase II Higgins Road\19-00514-00-WR_SIT_XSC_HIGGINS.dgn



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

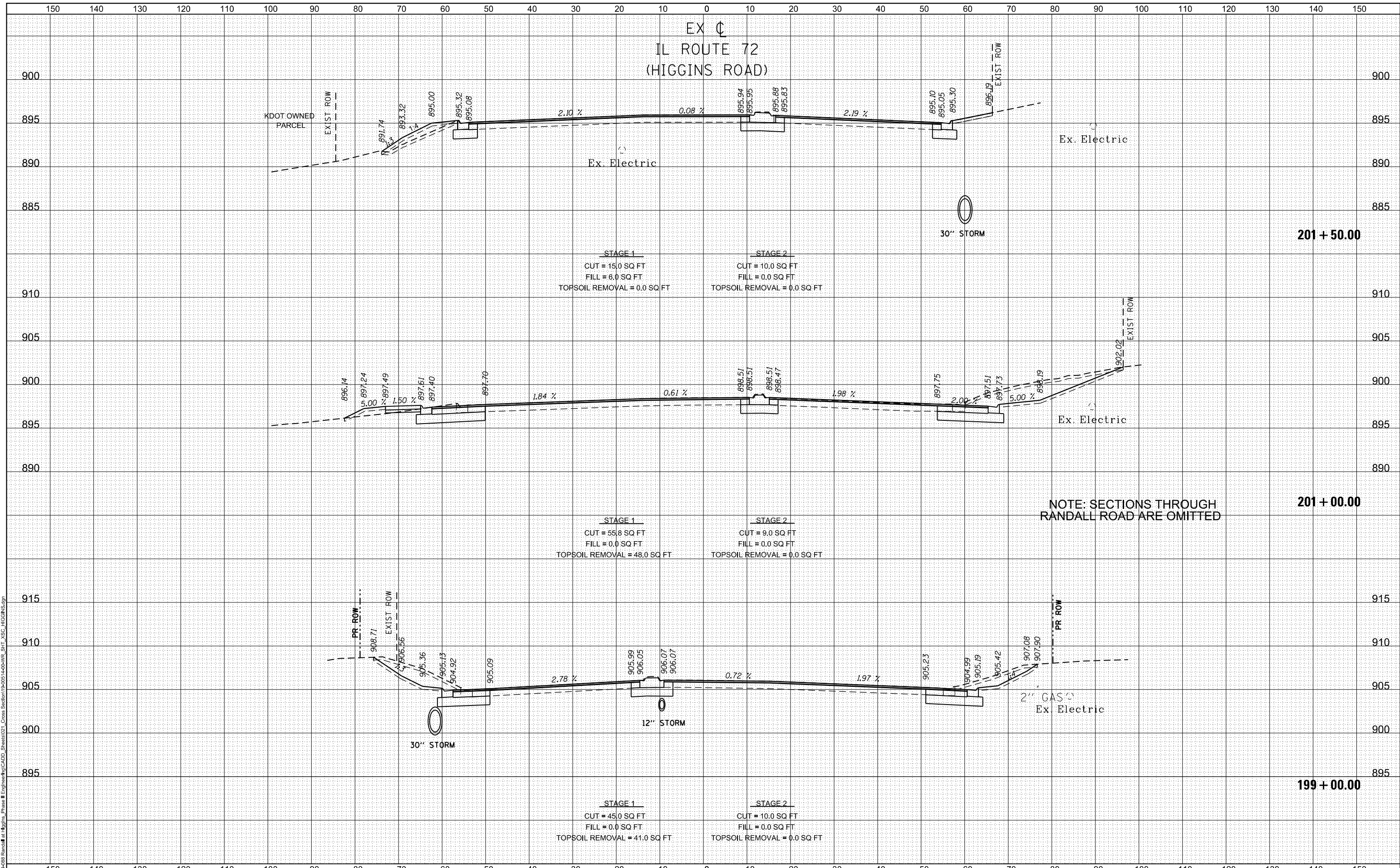
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	
CROSS SECTIONS - IL RTE 72	
1"=5' VERT	SCALE: 1"=10' HORZ
SHEET 9	OF 20 SHEETS
STA. 198+00.00	TO STA. 198+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	285
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

MODEL: D:\in\11\2025\02\Randall_Road_IL_Route_72_Cross_Sections\19-00514-00-WR_SIT_XSC_ILRGN5.dgn
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USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 CROSS SECTIONS - IL RTE 72
 1"=5' VERT
 SCALE: 1"=10' HORZ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	286
				CONTRACT NO. 61L28

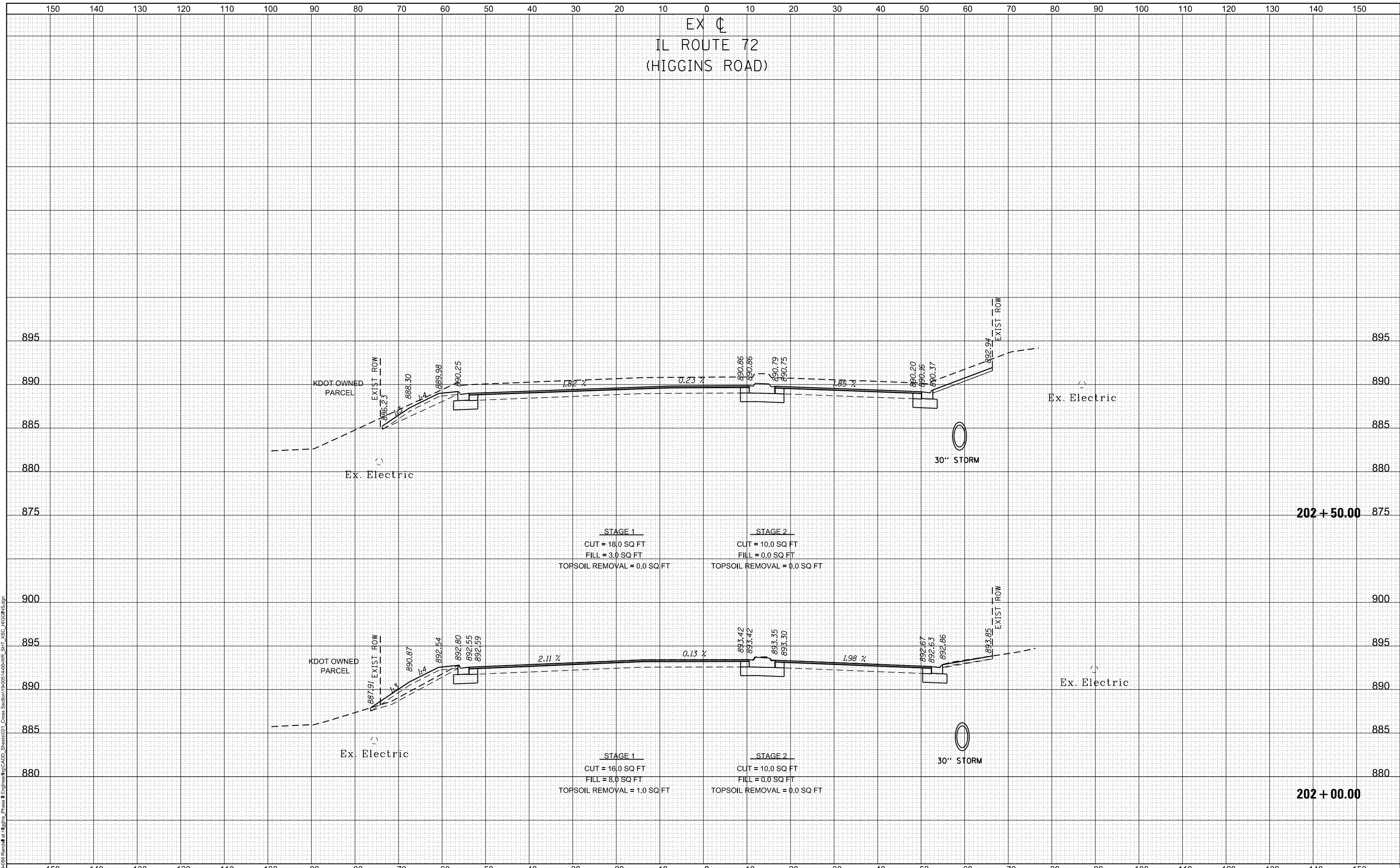
ILLINOIS FED. AID PROJECT

EX \downarrow
IL ROUTE 72
(HIGGINS ROAD)

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

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

MODEL: D:\in\11\2025\02\15\Randall_Road_IL_Route_72_Cross_Sections\19-00514-00-WR_SHT_11_XSC_HIGGINS.dgn
FILE NAME: 19-00514-00-WR_SHT_11_XSC_HIGGINS.dgn



BLA, Inc.

USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
CROSS SECTIONS - IL RTE 72**

1"=5' VERT
SCALE: 1"=10' HORZ

SHEET 11 OF 20 SHEETS STA. 202+00.00 TO STA. 202+50.00

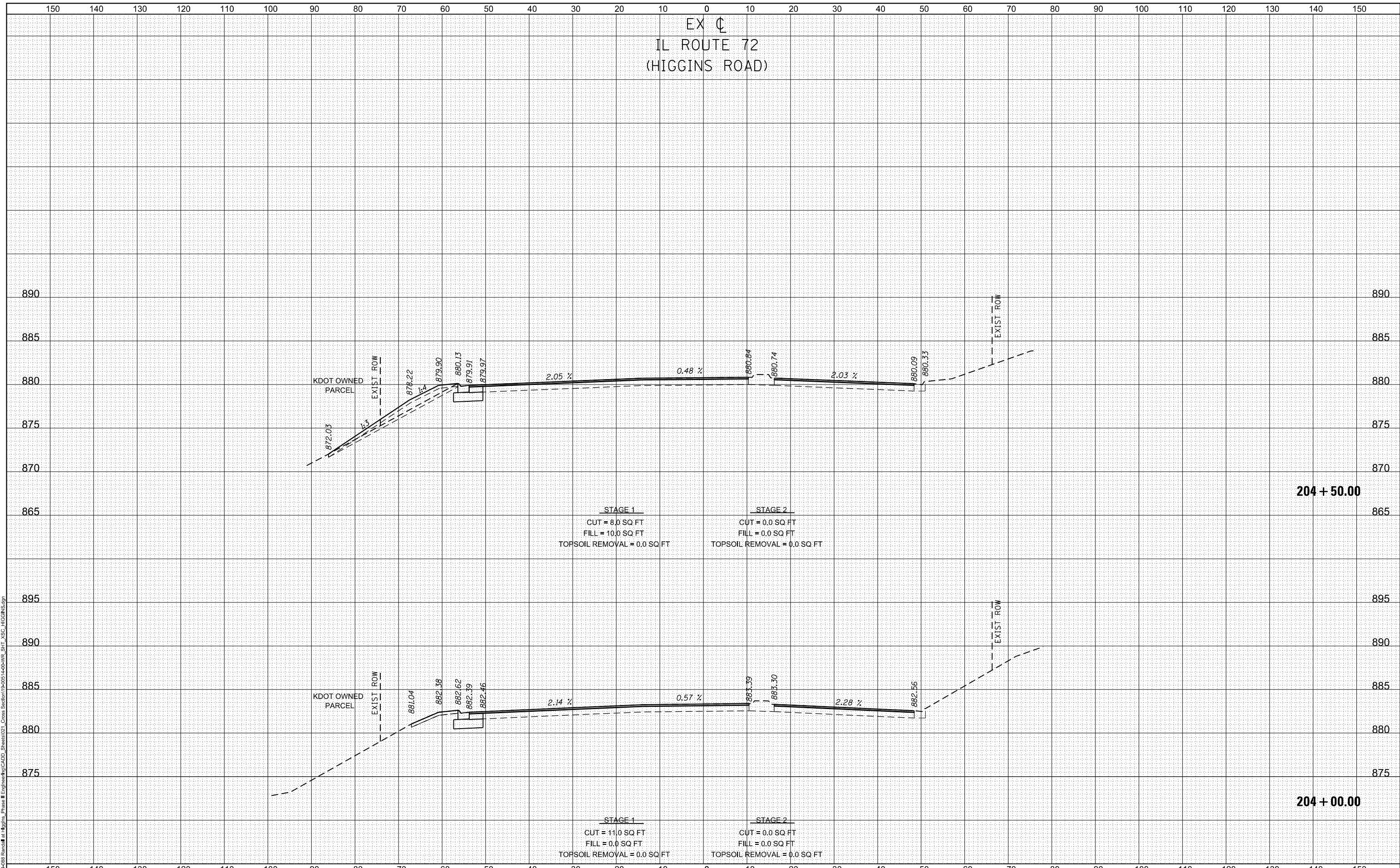
F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 287
CONTRACT NO. 61L28				ILLINOIS FED. AID PROJECT

EX \downarrow
IL ROUTE 72
(HIGGINS ROAD)

DATE	
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FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
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ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

MODEL: D:\in\11\2024\Randall_Road_IL_Route_72_Cross_Section\19-00514-00-WR_SHT_XSC_HIGGINS.dgn
FILE NAME: 19-00514-00-WR_SHT_XSC_HIGGINS.dgn



USER NAME = cesario	DESIGNED TN	REVISIED -
	DRAWN TN	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISIED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
CROSS SECTIONS - IL RTE 72			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 13	OF 20 SHEETS	STA. 204+00.00 TO STA. 204+50.00

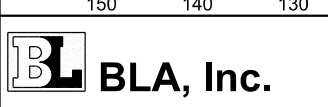
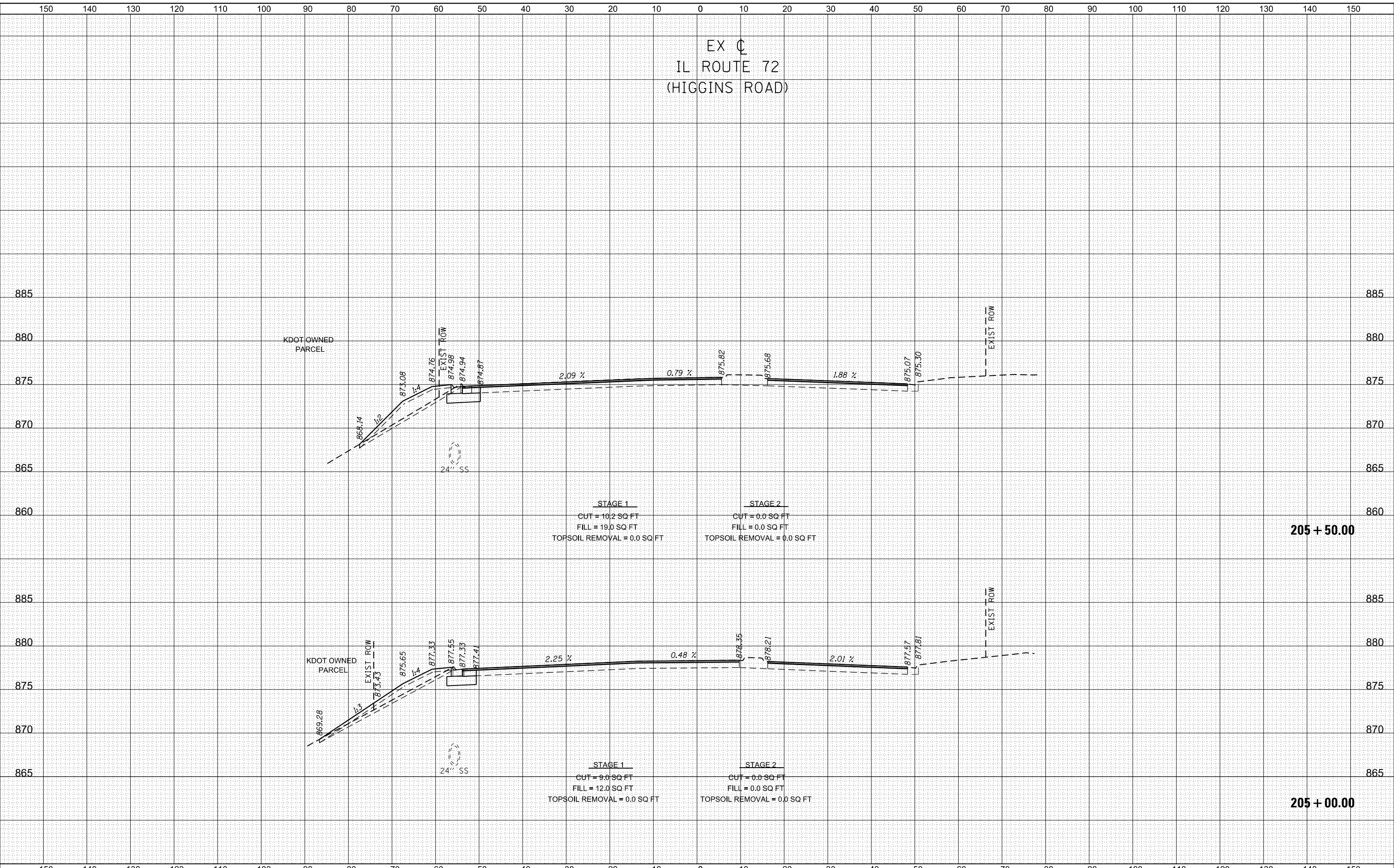
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	289
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

EX C
IL ROUTE 72
(HIGGINS ROAD)

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

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED
	AREAS CHECKED

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FILE NAME: W204-488_Parade at Higgins_Phase II Engineering\11\CA02_Sheets\21_Cross Section\19-0514-00-WR_S11_XSC_HIGGINS.dgn



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
CROSS SECTIONS - IL RTE 72
1"=5' VERT
SCALE: 1"=10' HORZ

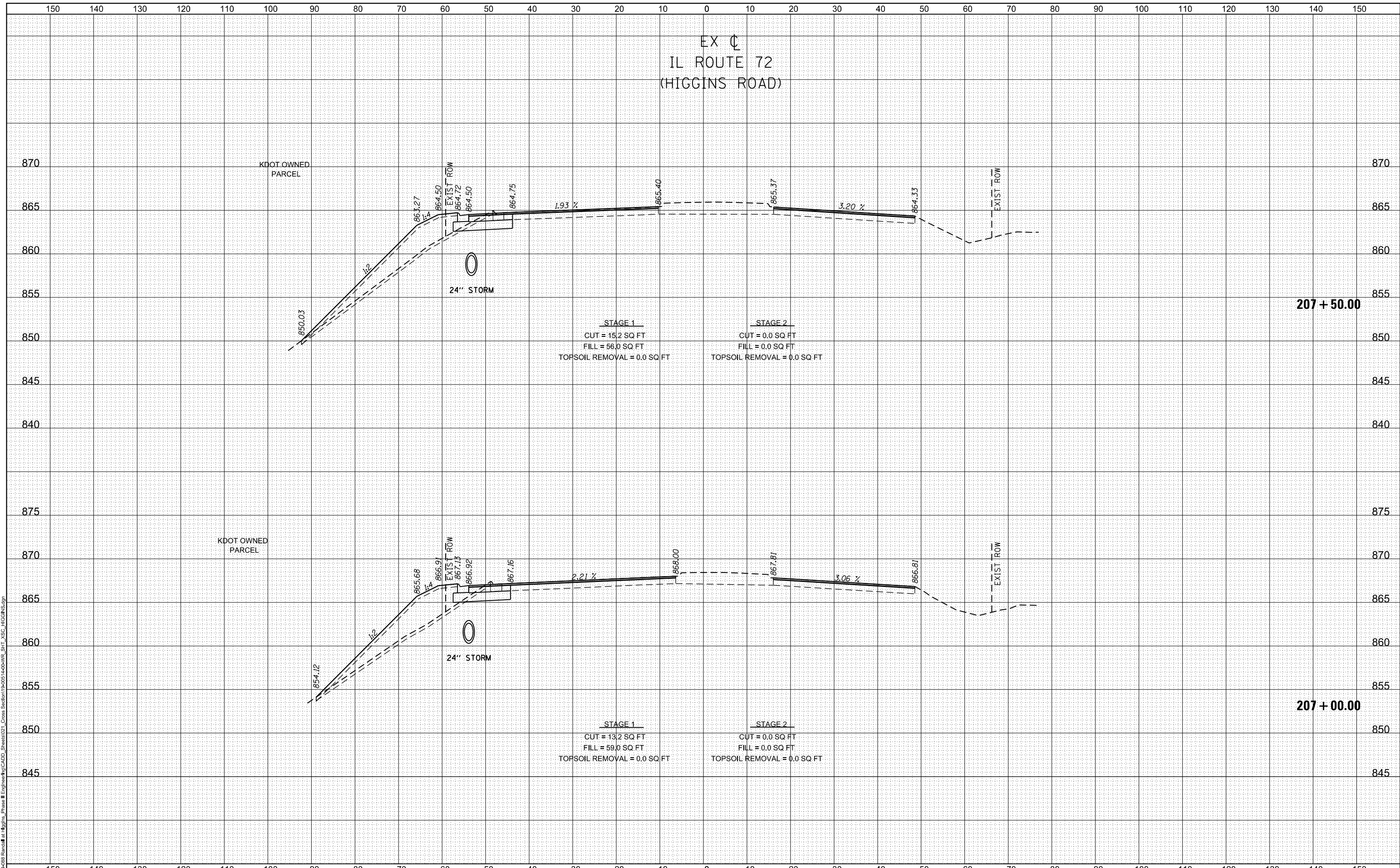
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	290
CONTRACT NO. 61L28				
ILLINOIS FED. AID PROJECT				

SHEET 14 OF 20 SHEETS STA. 205+00.00 TO STA. 205+50.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
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USER NAME = cesario	DESIGNED TN	REVISED -
	DRAWN TN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

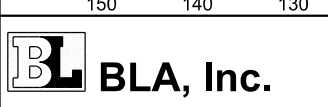
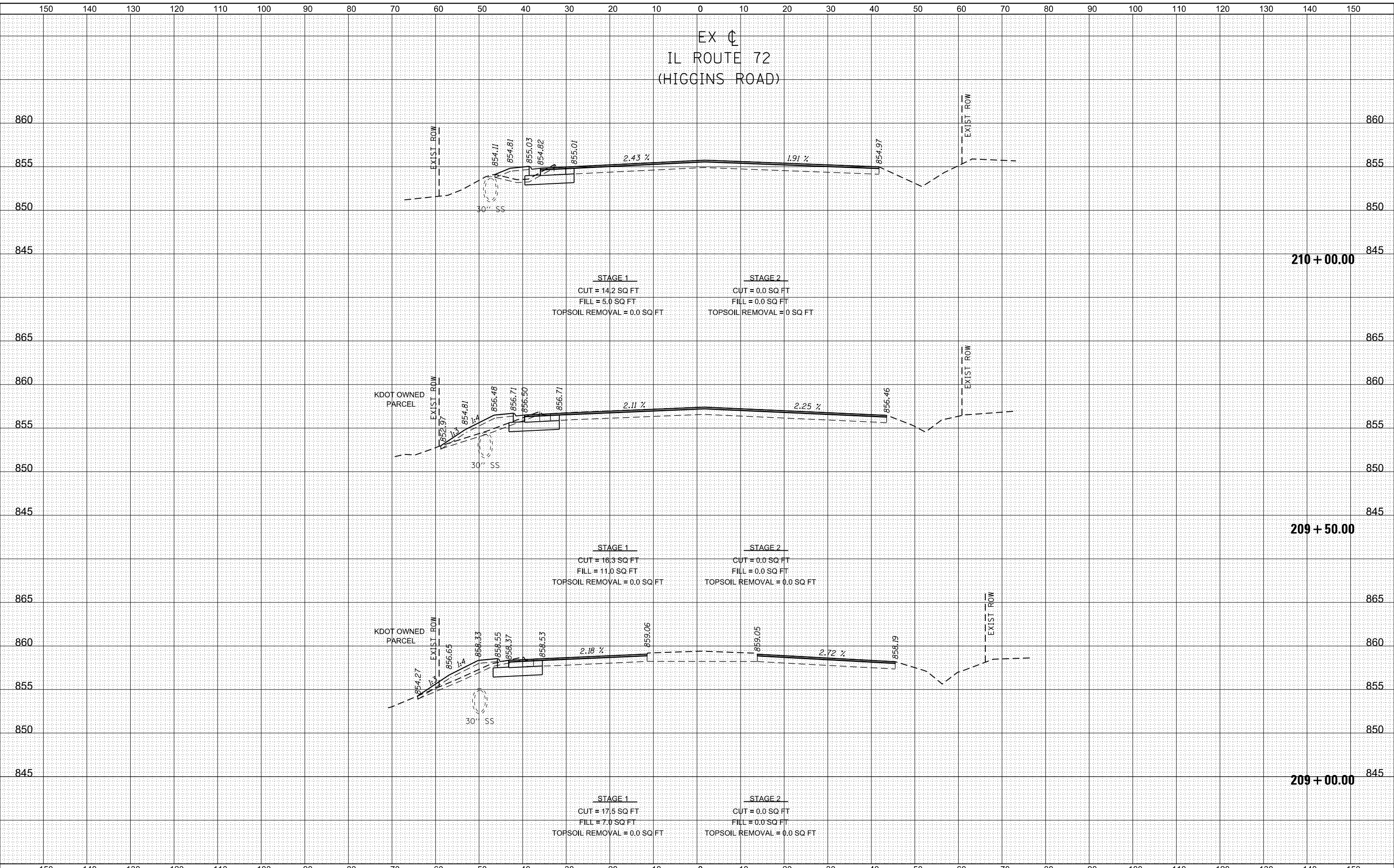
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
CROSS SECTIONS - IL RTE 72			
1"=5' VERT			
SCALE: 1"=10' HORZ	SHEET 16	OF 20 SHEETS	STA. 207+00.00 TO STA. 207+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	292
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\in\11\2019\19-00514-00-WR-Randall at Higgins - Phase II Engineering\19-00514-00-WR-SIT_XSC-HIGGINS.dgn
 FILE NAME: 19-00514-00-WR-Randall at Higgins - Phase II Engineering\19-00514-00-WR-SIT_XSC-HIGGINS.dgn



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
CROSS SECTIONS - IL RTE 72**

1"=5' VERT
SCALE: 1"=10' HORZ

SHEET 18 OF 20 SHEETS STA. 209+00.00 TO STA. 210+00.00

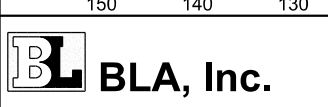
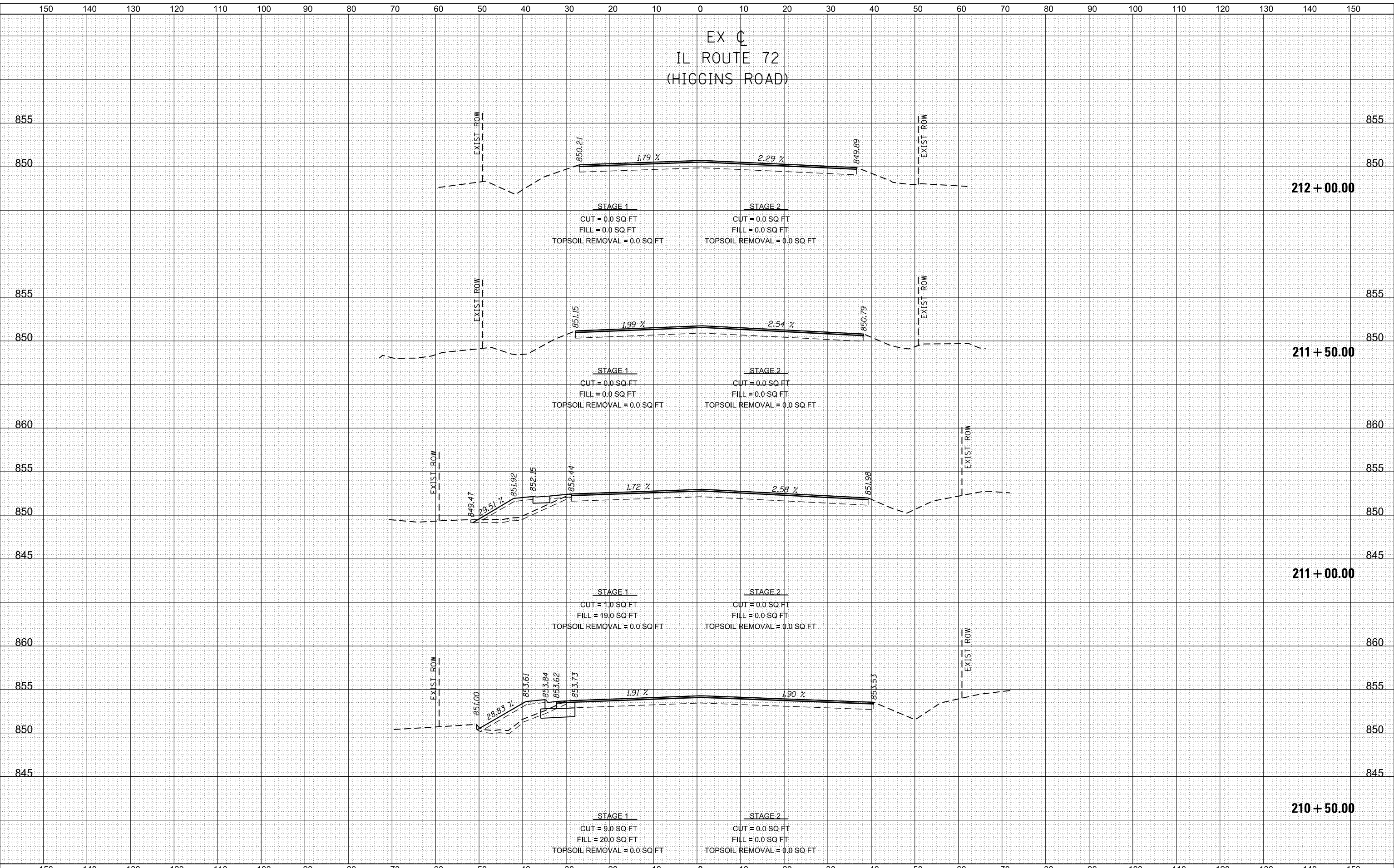
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	294
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

EX C
IL ROUTE 72
(HIGGINS ROAD)

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

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

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USER NAME = cesario	DESIGNED TN	REVISIED -
	DRAWN TN	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISIED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
CROSS SECTIONS - IL RTE 72
1"=5' VERT
SCALE: 1"=10' HORZ

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 295
CONTRACT NO. 61L28			ILLINOIS FED. AID PROJECT	

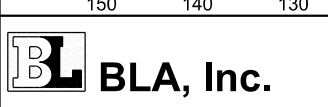
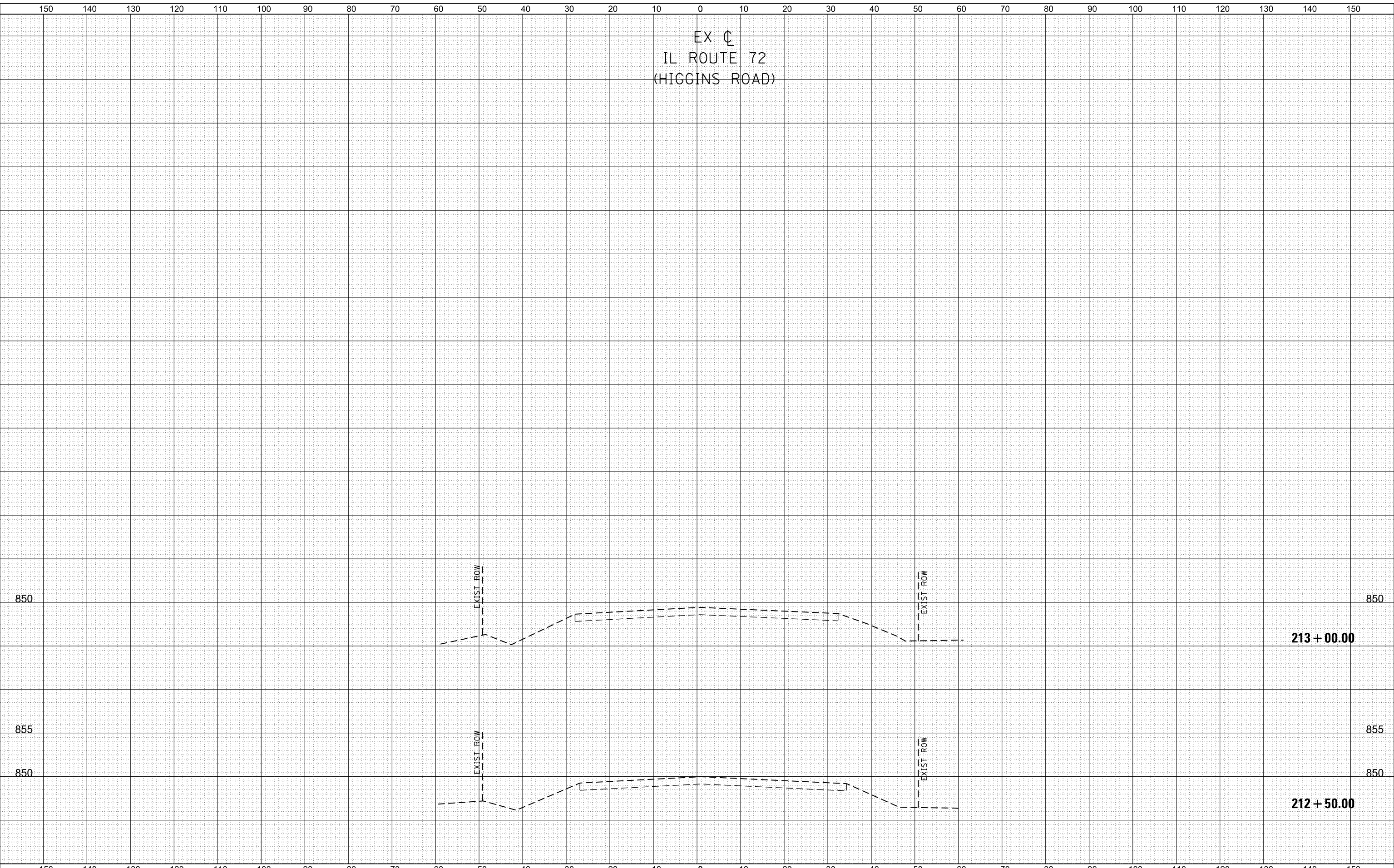
SHEET 19 OF 20 SHEETS STA. 210+50.00 TO STA. 212+00.00

EX C
IL ROUTE 72
(HIGGINS ROAD)

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

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

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USER NAME = cesario	DESIGNED TN	REVISIED -
	DRAWN TN	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISIED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISIED -

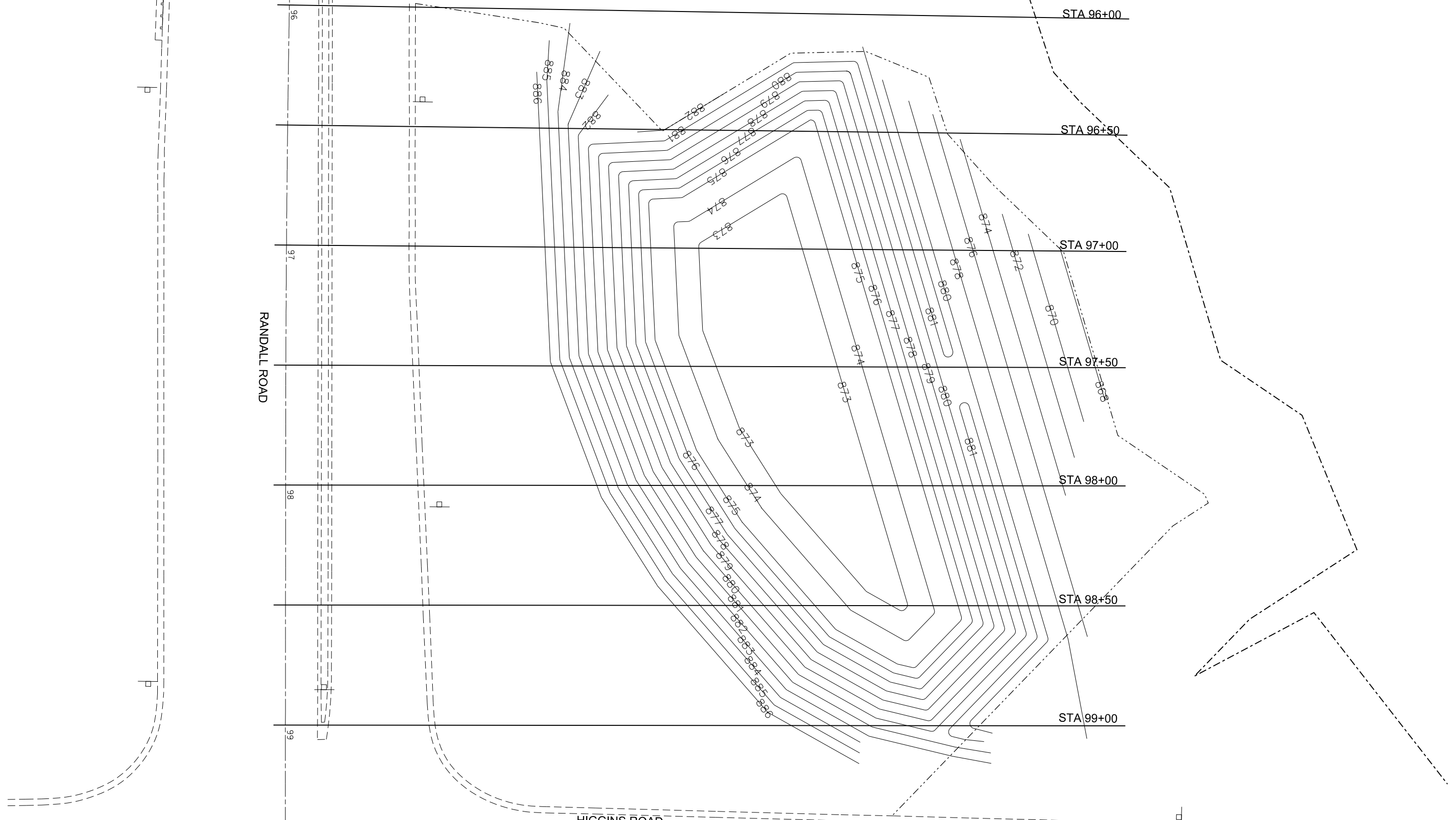
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
CROSS SECTIONS - IL RTE 72**

1"=5' VERT
SCALE: 1"=10' HORZ

SHEET 20 OF 20 SHEETS STA. 212+50.00 TO STA. 213+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	296
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				



MODEL: Default
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USER NAME = cesario	DESIGNED - TN	REVISED -
PLOT SCALE = 40.0621' / 1" =	DRAWN - TN	REVISED -
PLOT DATE = 6/19/2025	CHECKED - GJE	REVISED -
	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

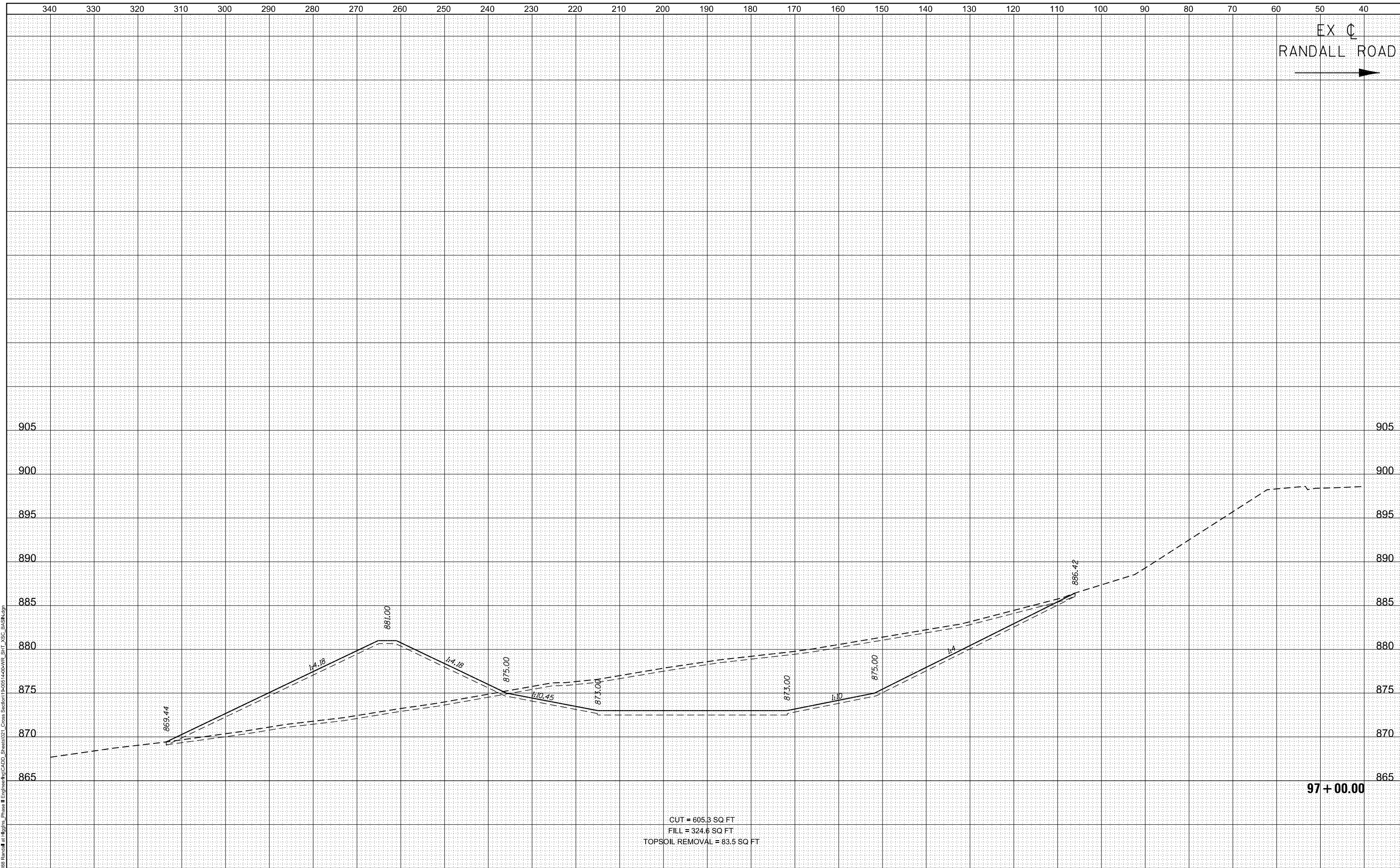
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) DETENTION BASIN PATTERN LINES		
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 0336	SECTION 19-00514-00-WR	COUNTY KANE	TOTAL SHEETS 304	SHEET NO. 297
CONTRACT NO. 61L28				
<small>ILLINOIS FED. AID PROJECT</small>				

EX C
RANDALL ROAD
→

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	CHECKED
AREAS	CHECKED
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	CHECKED
AREAS	CHECKED
NO.	



CUT = 605.8 SQ FT
FILL = 324.6 SQ FT
TOPSOIL REMOVAL = 83.5 SQ FT



USER NAME	= cesario
DESIGNED	TN
DRAWN	TN
CHECKED	GJE
DATE	02/15/2025

REVISIED	-
REVISIED	-
REVISIED	-
REVISIED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DETENTION BASIN - CROSS SECTIONS
1"=5' VERT
SCALE: 1"=10' HORZ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	299
CONTRACT NO. 61L28				

ILLINOIS FED. AID PROJECT

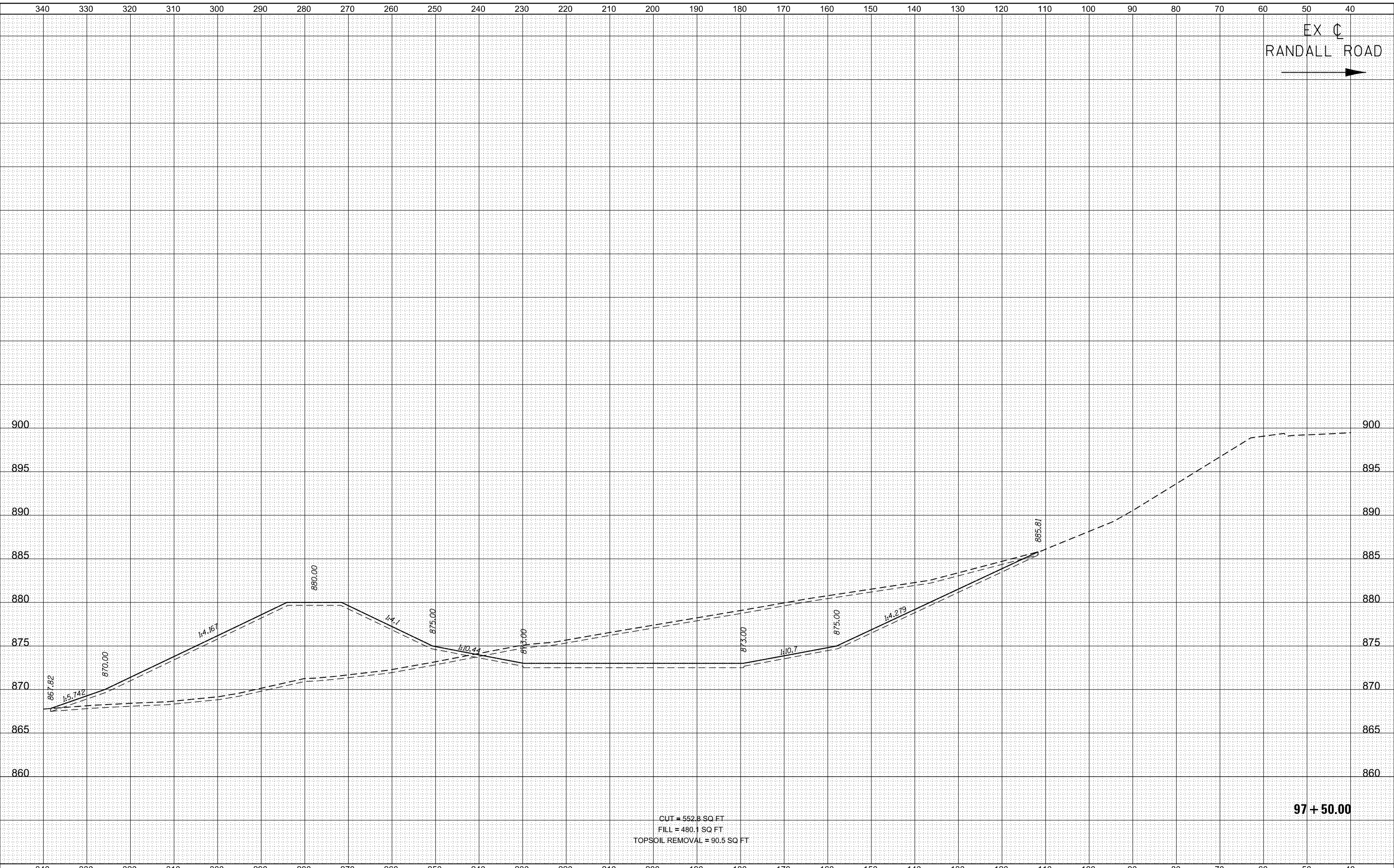
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FILE NAME: W0204-088_Randall_Road_Plane II Engineering\Proj\CADD_Sheets\021_Cross Section\97+00.00_VR_SIT_XSC_BASIN.dwg

SHEET 2 OF 5 SHEETS
STA. 97+00.00 TO STA. 97+00.00

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

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

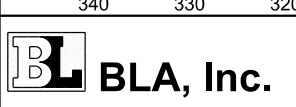
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 FILE NAME: 19-00514-00-WR-Randall at Higgins Phase II Engineering\19-00514-00-WR-SIT_XSC_BASIN.dwg



CUT = 552.8 SQ FT
 FILL = 480.1 SQ FT
 TOPSOIL REMOVAL = 90.5 SQ FT

97 + 50.00

EX C
 RANDALL ROAD
 →



USER NAME = cesario	DESIGNED TN	REVISIED -
	DRAWN TN	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISIED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISIED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

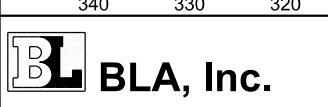
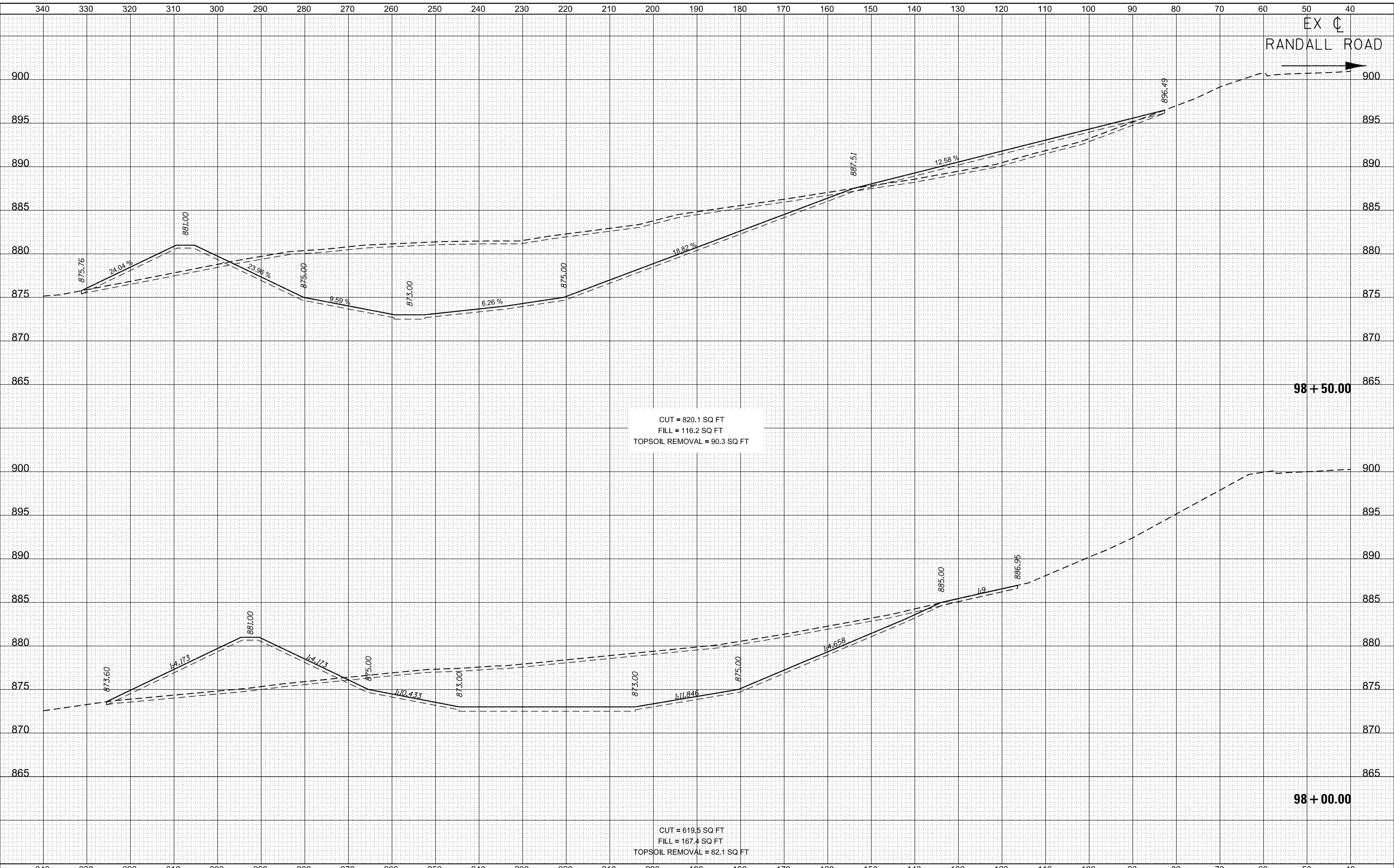
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			
DETENTION BASIN - CROSS SECTIONS			
1"=5' VERT		SCALE: 1"=10' HORZ	
SHEET 3	OF 5 SHEETS	STA. 97+50.00	TO STA. 97+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	300
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

MODEL: D:\in\11\2025\Randall_Road\Phase II\Engineering\CADD_Sheets\21_Cross Sections\98+05+40+WR_SHT_XSC_BASIN.dwg
FILE NAME: 20250428_Randall_Road\Phase II\Engineering\CADD_Sheets\21_Cross Sections\98+05+40+WR_SHT_XSC_BASIN.dwg



USER NAME = cesario	DESIGNED TN	REVISIED -
	DRAWN TN	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISIED -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DETENTION BASIN - CROSS SECTIONS**

1" = 5' VERT
SCALE: 1" = 10' HORZ

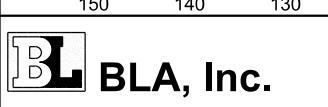
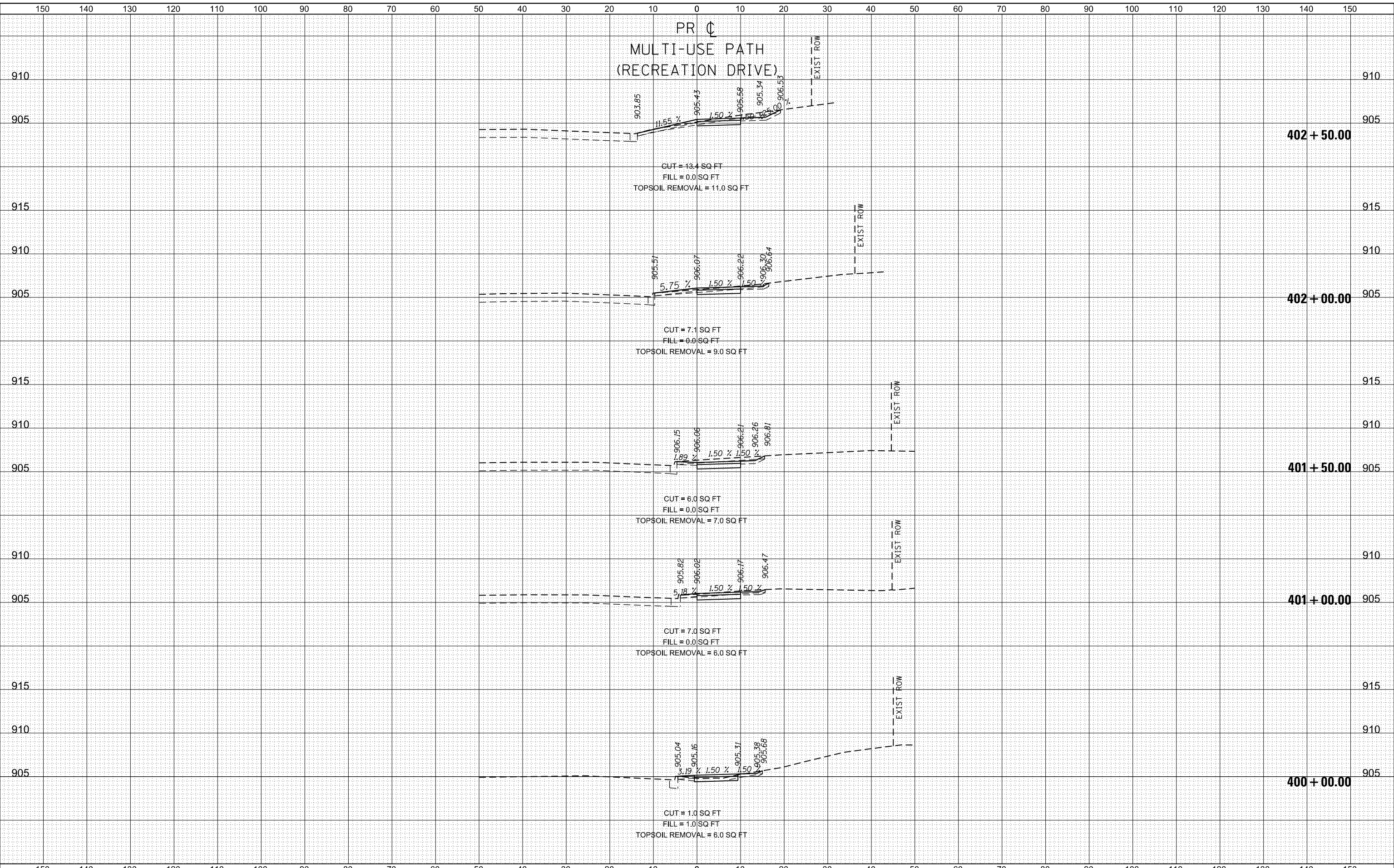
SHEET 4 OF 5 SHEETS
STA. 98+00.00 TO STA. 98+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	301
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\in\11\2025\19-00514-00-WR_Sht_1_XSC_MUP.dgn
 FILE NAME: 19-00514-00-WR_Sht_1_XSC_MUP.dgn



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
MULTI-USE PATH - CROSS SECTIONS**

1"=5' VERT
SCALE: 1"=10' HORZ

SHEET 1 OF 2 SHEETS STA. 400+00.00 TO STA. 402+50.00

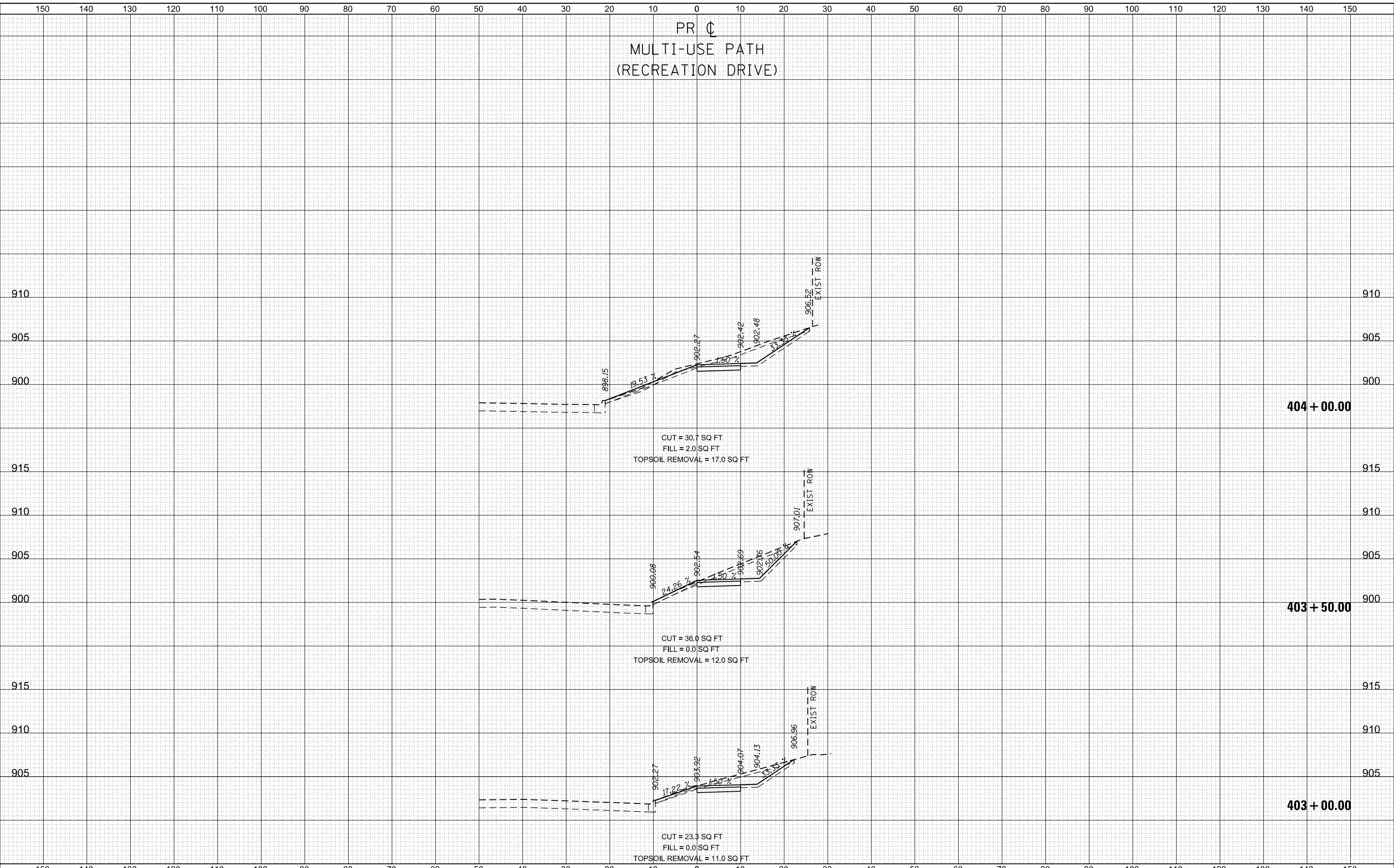
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	303
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

PR \downarrow
 MULTI-USE PATH
 (RECREATION DRIVE)

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

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

MODEL: D:\mif
 FILE NAME: W0204-088_Randall_Road_IL_Route_72_Cross_Section19a051400a00R_SIT_XSC_MUP.dgn



USER NAME = cesario	DESIGNED TN	REVISD -
	DRAWN TN	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED GJE	REVISD -
PLOT DATE = 6/19/2025	DATE 02/15/2025	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
 MULTI-USE PATH - CROSS SECTIONS
 1"=5' VERT
 SCALE: 1"=10' HORZ

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	304
				CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT				

SHEET 2 OF 2 SHEETS STA. 403+00.00 TO STA. 404+00.00