

| F.A.P. RTE. | SECTION       | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-------------|---------------|----------|--------------------|-----------|
| 885         | 110(W-2,RS-5) | JOHNSON  | 159*               | 1         |
|             |               | ILLINOIS | CONTRACT NO. 78524 |           |

\* 159 + 2 = 161 TOTAL SHEETS

D-99-026-16



LOCATION OF SECTION INDICATED THUS: - [thick black line]

**INDEX OF SHEETS**

|   |  |
|---|--|
| 1 COVER SHEET                                     | 110-121 CONSTRUCTION DETAILS   |
| 2 SIGNATURE SHEET                                 | 110-111 OUTLETS FOR CONCRETE CURB & GUTTER TYPE B-6.24 (B-15.60)     |
| 3 GENERAL NOTES & HIGHWAY STANDARDS               | 112 ENTRANCE DETAILS   |
| 4-17 SUMMARY OF QUANTITIES                        | 113 CONCRETE COLLAR  |
| 18-25 TYPICAL SECTIONS                            | 114 LIGHT POLE FOUNDATION  |
| 26-31 SCHEDULES                                   | 115 POLE STANDARDS   |
| 32-34 ALIGNMENT TIES AND BENCHMARKS               | 116 RURAL SIDE APPROACH  |
| 35-42 PLAN AND PROFILE SHEETS                     | 117 SEEDING & MULCHING   |
| 43-53 TRAFFIC CONTROL PLANS                       | 118 TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL |
| 54-56 SIGNAGE SHEETS                              | 119 TEMPORARY DITCH CHECKS   |
| 57-61 EROSION CONTROL AND PAVEMENT MARKING SHEETS | 120 TEMPORARY HOT-MIX ASPHALT TRANSITIONS                            |
| 62-68 DRAINAGE SHEETS                             | 121 SOLAR-POWERED FLASHING BEACON ASSEMBLY & CONCRETE FOUNDATION     |
| 69-72 REMOVAL SHEETS                              | 122-159 CROSS SECTIONS   |
| 73-79 RIGHT-OF-WAY SHEETS                         | 122-143 IL ROUTE 146   |
| 80-86 INTERSECTION DETAILS                        | 144-152 OLD METROPOLIS ROAD / RED BUD LANE                           |
| 87-90 JOINTING DETAILS                            | 153-159 RUNAROUND  |
| 91-94 SPECIAL GUTTER FLOWLINE DETAILS             |  |
| 95-98B LIGHTING PLANS                             |  |
| 99-109 STRUCTURE PLANS                            |  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**FINAL  
HIGHWAY PLANS**

FAP ROUTE 885 (IL 146)  
SECTION 110(W-2,RS-5)  
PROJECT STP-XERX(830)  
WIDENING AND ROUNDABOUT  
JOHNSON COUNTY

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-17  
FOR STRUCTURAL PAVEMENT DESIGN INFORMATION, SEE SHEET NO. 3

**TRAFFIC DATA**

ROADWAY CLASSIFICATION = MINOR ARTERIAL  
DESIGN SPEED = 40, 45 MPH  
CURRENT ADT (2019) = 7,400  
SU = 2.4%  
MU = 2.6%

**TOWNSHIPS**

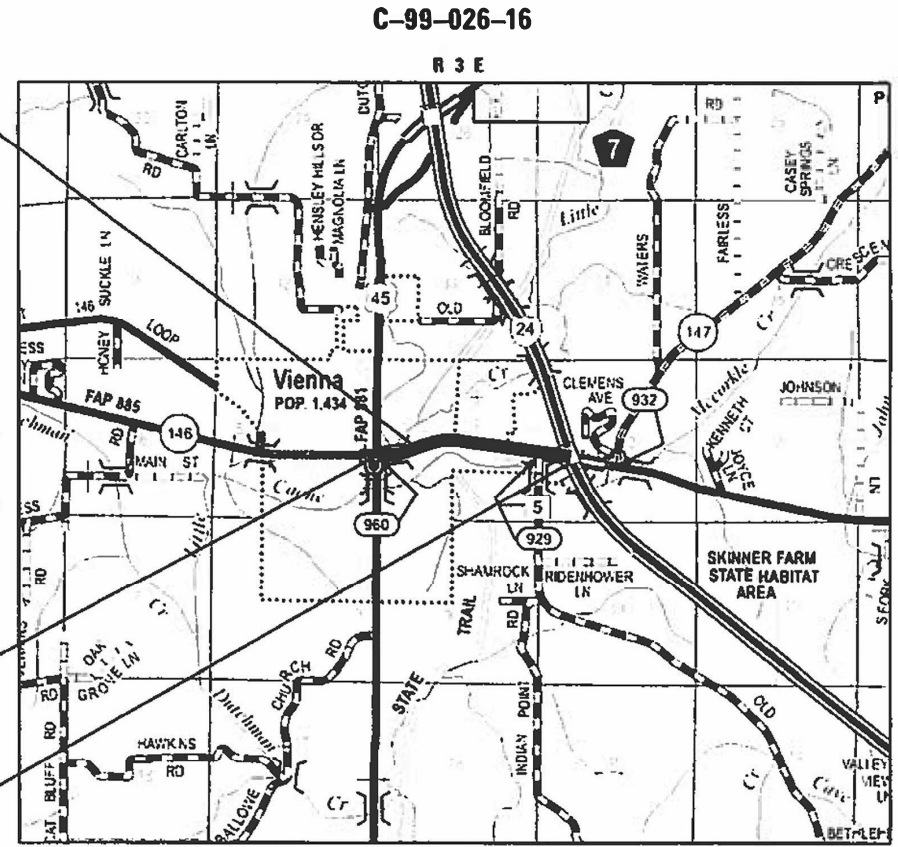
VIENNA

DESIGN DESIGNATION : 820(40) ARTERIAL 3.17 (FD-20)  
COORDINATE SYSTEM : STATE PLANE ZONE - ILLINOIS EAST  
POSTED SPEED : 40 /45 MPH

**BRIDGE OMISSION**  
STA 32 + 30.00 TO  
STA 36 + 66.00

**BEGIN IMPROVEMENTS**  
STA. 28 + 25.00 (IL 146)

**END IMPROVEMENTS**  
STA. 87 + 57.00 (IL 146)



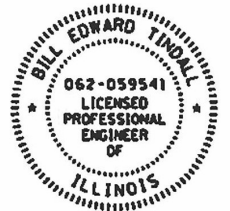
LOCATION MAP  
(NOT TO SCALE)

GROSS LENGTH = 5,932.00 FT. = 1.12 MILES  
NET LENGTH = 5,496.00 FT. = 1.04 MILES



**OATES ASSOCIATES**  
Collinsville: 100 Lancer Court, Suite 1, Collinsville, IL 62234, 618.345.2200  
Belleville: 20 East Main Street, Belleville, IL 62200, 618.416.4688  
St. Louis: 720 Olive, Suite 700, St. Louis, MO 63101, 314.568.8381  
St. Charles: 330 North Main, Suite 201, St. Charles, MO 63301, 636.493.6277  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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



Bill Tindall III 3/13/23  
BILL TINDALL, P.E. Date  
License Expires 11/30/2023

PROJECT ENGINEER: SUSAN POE

CONTRACT NO. 78524

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 31 2023  
Kirk H. Brown  
REGION FIVE ENGINEER

May 12, 2023 [Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

Prepared By: Charles Stein  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carri Nelson  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: [Signature]  
DISTRICT OPERATIONS ENGINEER

Examined By: David J. Reuland  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: David J. Reuland  
DISTRICT CONSTRUCTION ENGINEER

Examined By: Ann Hays  
DISTRICT MATERIALS ENGINEER

MODEL: Default  
 FILE NAME: I:\P\20088 - DOT P/B 196 Item 61 20088.017 - IL -16 Phase II CADD-MicroStation\CADD - Drawing\DW20088.017.dwg; 11/14/2023 10:58:58 AM



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| USER NAME = fyne.wjdes      | DESIGNED - | REVISED - |
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| PLOT DATE = 3/27/2023       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 2         |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |







|          |                  |                  |
|----------|------------------|------------------|
| COUNTY   | JOHNSON          | JOHNSON          |
| ROUTE    | FAP 885 (IL 146) | FAP 885 (IL 146) |
| FUNDING  | 80% FED, 20% ST  | 80% FED, 20% ST  |
| LOCATION | RURAL            | RURAL            |

| CODE NO. | ITEM   | UNIT  | TOTAL QUANTITY |                     |                      |
|----------|--|-------|----------------|---------------------|----------------------|
|          |  |       |                | ROADWAY<br>CTC-0004 | LIGHTING<br>CTC-0021 |
| 40600370 | LONGITUDINAL JOINT SEALANT                           | FOOT  | 8,580          | 8,580               |                      |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT         | SQ YD | 130            | 130                 |                      |
| 40600990 | TEMPORARY RAMP                                       | SQ YD | 188            | 188                 |                      |
| 40603085 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70          | TON   | 6,355          | 6,355               |                      |
| 40604062 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 | TON   | 2,027          | 2,027               |                      |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING                 | TON   | 155            | 155                 |                      |
| 42000401 | PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)       | SQ YD | 2,676          | 2,676               |                      |
| 42001300 | PROTECTIVE COAT                                      | SQ YD | 13,612         | 13,612              |                      |
| 42300200 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH   | SQ YD | 3,155          | 3,155               |                      |
| 42300300 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH   | SQ YD | 768            | 768                 |                      |
| 42300500 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 9 INCH   | SQ YD | 19             | 19                  |                      |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH             | SQ FT | 35,507         | 35,507              |                      |
| 42400800 | DETECTABLE WARNINGS                                  | SQ FT | 248            | 248                 |                      |
| 44000100 | PAVEMENT REMOVAL                                     | SQ YD | 4,600          | 4,600               |                      |

MODEL: D:\p1\11...  
 FILE NAME: I:\220088...  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                            |            |           |
|----------------------------|------------|-----------|
| USER NAME = roshan.pokhrel | DESIGNED - | REVISED - |
| PLOT SCALE = 2.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 4/11/2023      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 3 OF 14 SHEETS STA. TO STA.

|             |               |          |                    |           |
|-------------|---------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION       | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 885         | 110(W-2,RS-5) | JOHNSON  | 159                | 6         |
|             |               |          | CONTRACT NO. 78524 |           |
|             |               | ILLINOIS | FED. AID PROJECT   |           |



















|          |                  |                  |
|----------|------------------|------------------|
| COUNTY   | JOHNSON          | JOHNSON          |
| ROUTE    | FAP 885 (IL 146) | FAP 885 (IL 146) |
| FUNDING  | 80% FED, 20% ST  | 80% FED, 20% ST  |
| LOCATION | RURAL            | RURAL            |

| CODE NO.   | ITEM  | UNIT  | TOTAL QUANTITY |                     |                      |
|------------|---|-------|----------------|---------------------|----------------------|
|            |   |       |                | ROADWAY<br>CTC-0004 | LIGHTING<br>CTC-0021 |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER   | EACH  | 192            | 192                 |                      |
| 78300200   | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL   | EACH  | 71             | 71                  |                      |
| 78300201   | PAVEMENT MARKING REMOVAL - GRINDING   | SQ FT | 9,364          | 9,364               |                      |
| * 80400100 | ELECTRIC SERVICE INSTALLATION   | EACH  | 1              |                     | 1                    |
| * 81028330 | UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.   | FOOT  | 105            | 105                 |                      |
| * 81028350 | UNDERGROUND CONDUIT, PVC, 2" DIA.   | FOOT  | 105            | 105                 |                      |
| * 81028750 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.                            | FOOT  | 445            |                     | 445                  |
| * 81400100 | HANDHOLE  | EACH  | 1              | 1                   |                      |
| * 81603010 | UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE | FOOT  | 1,685          |                     | 1,685                |
| * 81603040 | UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE     | FOOT  | 270            |                     | 270                  |
| * 82110007 | LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G   | EACH  | 15             |                     | 15                   |
| * 83000109 | LIGHT POLE, ALUMINUM, 25 FT. M.H., 15 FT. DAVIT ARM                                   | EACH  | 4              |                     | 4                    |
| * 82500310 | LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP                                     | EACH  | 1              |                     | 1                    |
| * 83002600 | LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM                                   | EACH  | 11             |                     | 11                   |

\* SPECIALTY ITEM

REV. - MS

MODEL: D:\p1\11\11220088 - IDOT PTB 196 Item 611220088.017 - IL 146 Phase II\CADD\Microstation\CADD Drawings\19220088.017-shr-500.dgn



|                            |            |          |
|----------------------------|------------|----------|
| USER NAME = roshan.pokhrel | DESIGNED - | REVISD - |
| PLOT SCALE = 2.0000' / in. | DRAWN -    | REVISD - |
| PLOT DATE = 4/11/2023      | CHECKED -  | REVISD - |
|                            | DATE -     | REVISD - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 12 OF 14 SHEETS STA. TO STA.

|             |               |                           |                    |           |
|-------------|---------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION       | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| 885         | 110(W-2,RS-5) | JOHNSON                   | 159                | 15        |
|             |               |                           | CONTRACT NO. 78524 |           |
|             |               | ILLINOIS FED. AID PROJECT |                    |           |

|          |                  |                  |
|----------|------------------|------------------|
| COUNTY   | JOHNSON          | JOHNSON          |
| ROUTE    | FAP 885 (IL 146) | FAP 885 (IL 146) |
| FUNDING  | 80% FED, 20% ST  | 80% FED, 20% ST  |
| LOCATION | RURAL            | RURAL            |

| CODE NO.   | ITEM   | UNIT  | TOTAL QUANTITY |                     |                      |
|------------|--|-------|----------------|---------------------|----------------------|
|            |  |       |                | ROADWAY<br>CTC-0004 | LIGHTING<br>CTC-0021 |
| * 83600352 | LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6' | EACH  | 4              |                     | 4                    |
| * 83600356 | LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'     | EACH  | 11             |                     | 11                   |
| * 83800650 | BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN         | EACH  | 60             |                     | 60                   |
| 84200600   | REMOVAL OF LIGHTING UNIT, NO SALVAGE                           | EACH  | 1              |                     | 1                    |
| 89502300   | REMOVE ELECTRIC CABLE FROM CONDUIT                             | FOOT  | 610            |                     | 610                  |
| X0321501   | WEED BARRIER FABRIC  | SQ YD | 513            | 513                 |                      |
| X0323117   | LANDSCAPING GRAVEL   | SQ YD | 513            | 513                 |                      |
| * X0326899 | SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)              | EACH  | 2              | 2                   |                      |
| X0900064   | MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES            | SQ YD | 928            | 928                 |                      |
| X1700010   | STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) | SQ YD | 644            | 644                 |                      |
| X1700011   | STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH | SQ FT | 3,832          | 3,832               |                      |
| X1700066   | POTHOLING  | EACH  | 88             | 88                  |                      |
| X5428836   | CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 36" (SPECIAL)   | EACH  | 1              | 1                   |                      |
| X6022110   | MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID       | EACH  | 1              | 1                   |                      |

\* SPECIALTY ITEM

REV. - MS

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|----------------------------|------------|-----------|
| USER NAME = roshan.pokhrel | DESIGNED - | REVISED - |
| PLOT SCALE = 2.0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 4/11/2023      | CHECKED -  | REVISED - |
|                            | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

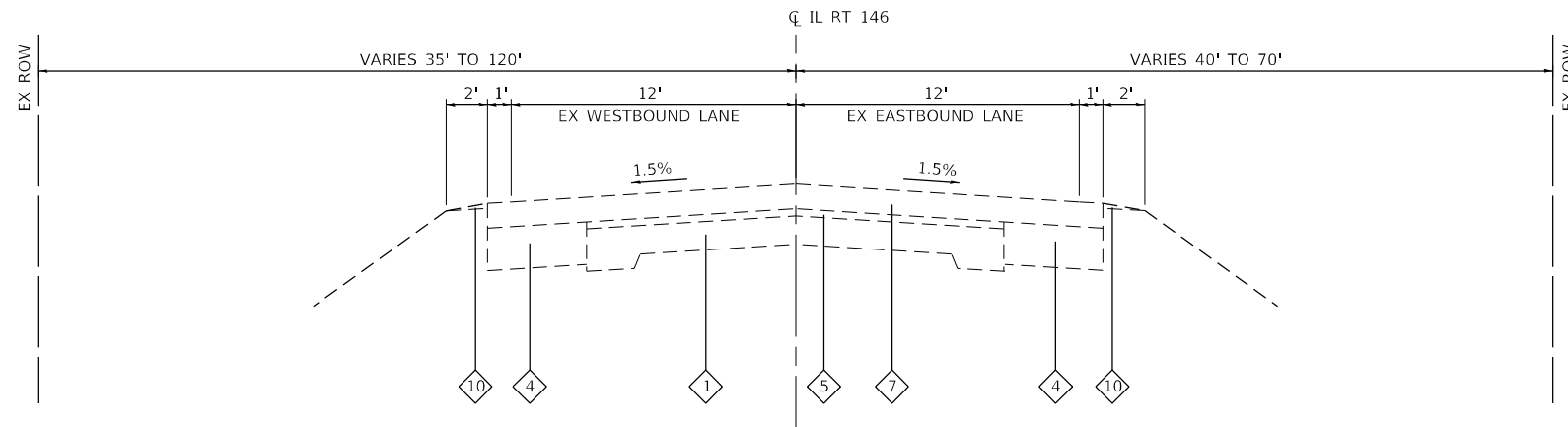
SUMMARY OF QUANTITIES

SCALE: SHEET 13 OF 14 SHEETS STA. TO STA.

| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
|--------------------|---------------|---------|---------------------------|-----------|
| 885                | 110(W-2,R5-5) | JOHNSON | 159                       | 16        |
| CONTRACT NO. 78524 |               |         | ILLINOIS FED. AID PROJECT |           |

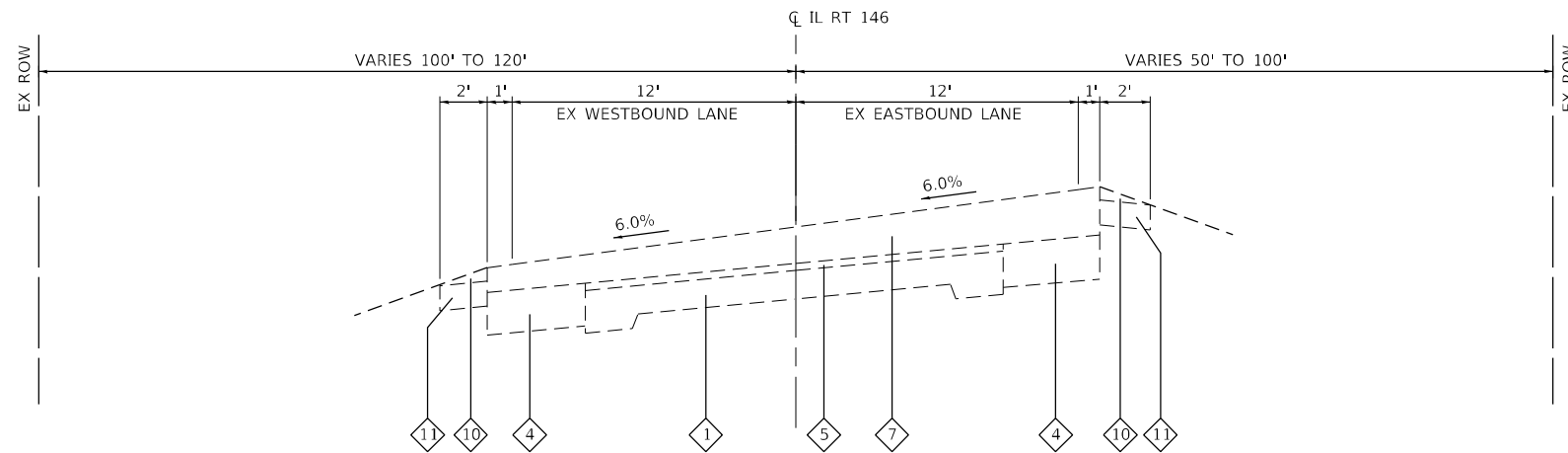






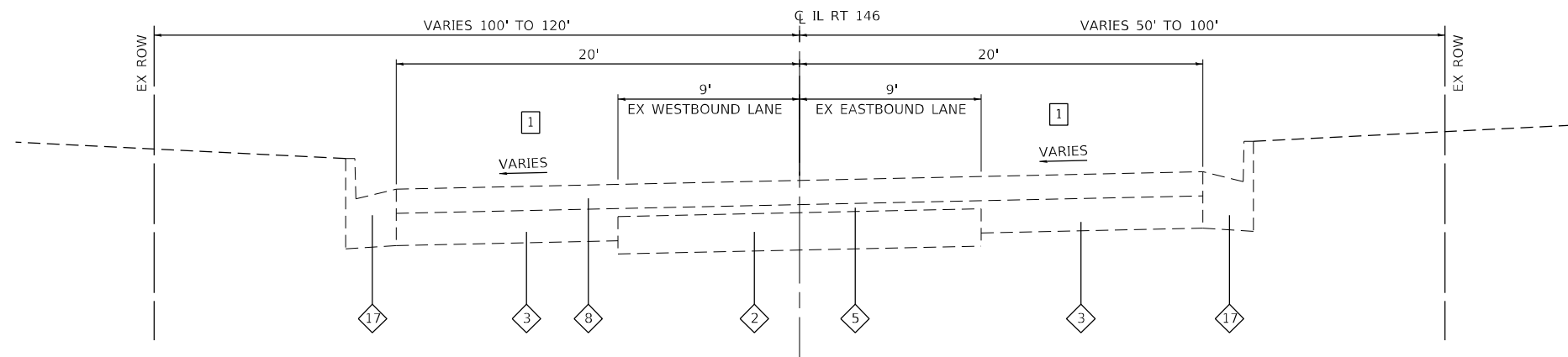
**EXISTING TYPICAL SECTION**

IL ROUTE 146  
 STA 39+15.00 TO STA 45+69.00  
 STA 55+56.00 TO STA 67+34.50



**EXISTING TYPICAL SECTION**

IL ROUTE 146  
 STA 36+66.00 TO STA 39+15.00  
 STA 30+60.00 TO STA 32+30.00



**EXISTING TYPICAL SECTION**

IL ROUTE 146  
 STA 28+25.00 TO STA 30+60.00

**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9-6-9
- 2 EXISTING PCC PAVEMENT, 8"
- 3 EXISTING HMA BASE COURSE, 8"
- 4 EXISTING HMA BASE COURSE, 9"
- 5 EXISTING HMA OVERLAY, 1.5"
- 6 EXISTING HMA OVERLAY, 2.75"
- 7 EXISTING HMA OVERLAY, 5.25" & VARIES
- 8 EXISTING HMA OVERLAY, 6"
- 9 EXISTING HMA SHOULDERS, 10.5"
- 10 EXISTING AGGREGATE SHOULDER, TYPE B WEDGE
- 11 EXISTING AGGREGATE SHOULDER, TYPE A, 6"
- 12 EXISTING CORRUGATED MEDIAN
- 13 EXISTING STABILIZED SUBBASE, 4"
- 14 EXISTING CONCRETE CURB AND GUTTER
- 15 EXISTING PCC MEDIAN
- 16 EXISTING OIL AND CHIP PAVEMENT
- 17 EXISTING TYPE B-6.24 CURB AND GUTTER
- 18 EXISTING HMA SHOULDERS, 8"
- 19 EXISTING HMA PAVEMENT

**NOTES**

- 1 SECTION TRANSITIONS FROM 20' LANES TO 13' FROM STA 29+19 TO STA 30+59

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 DATE -  
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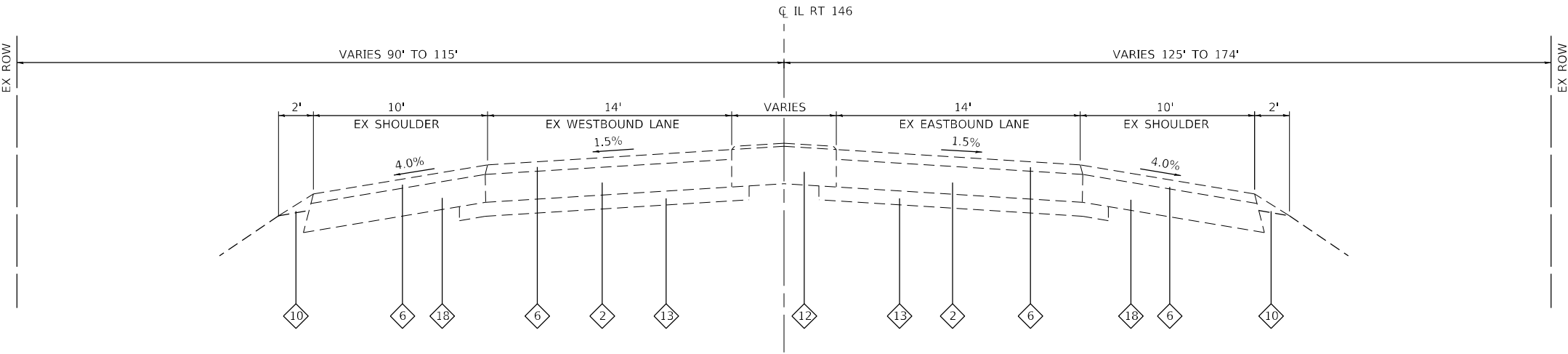
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

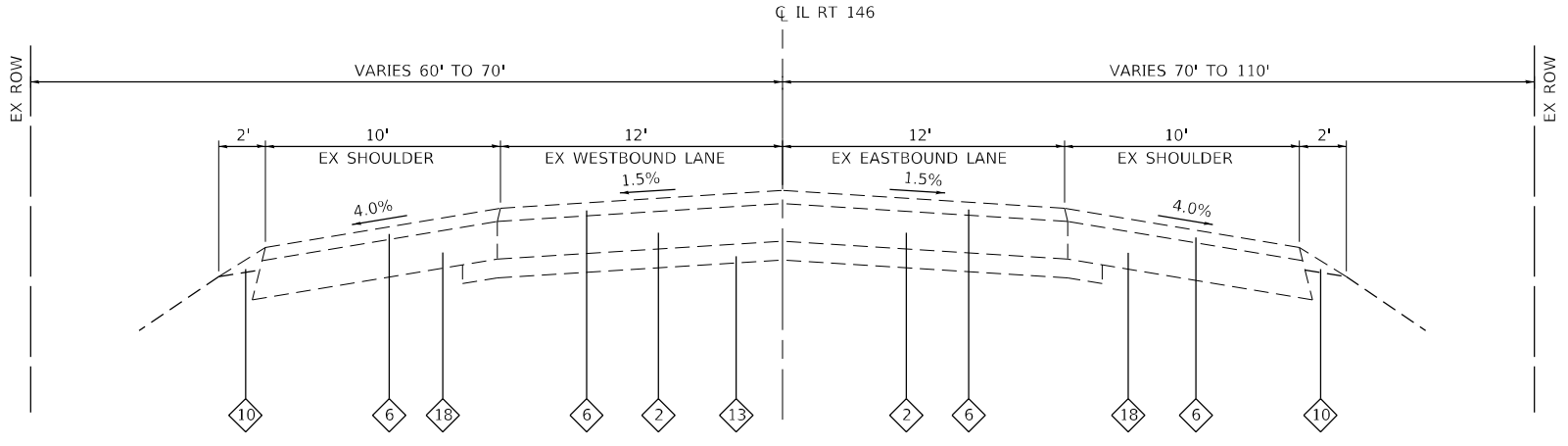
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| F.A.P. RTE.               | SECTION         | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|---------|--------------|-----------|
| 885                       | 110 (W-2, RS-5) | JOHNSON | 159          | 18        |
| CONTRACT NO. 78524        |                 |         |              |           |
| ILLINOIS FED. AID PROJECT |                 |         |              |           |



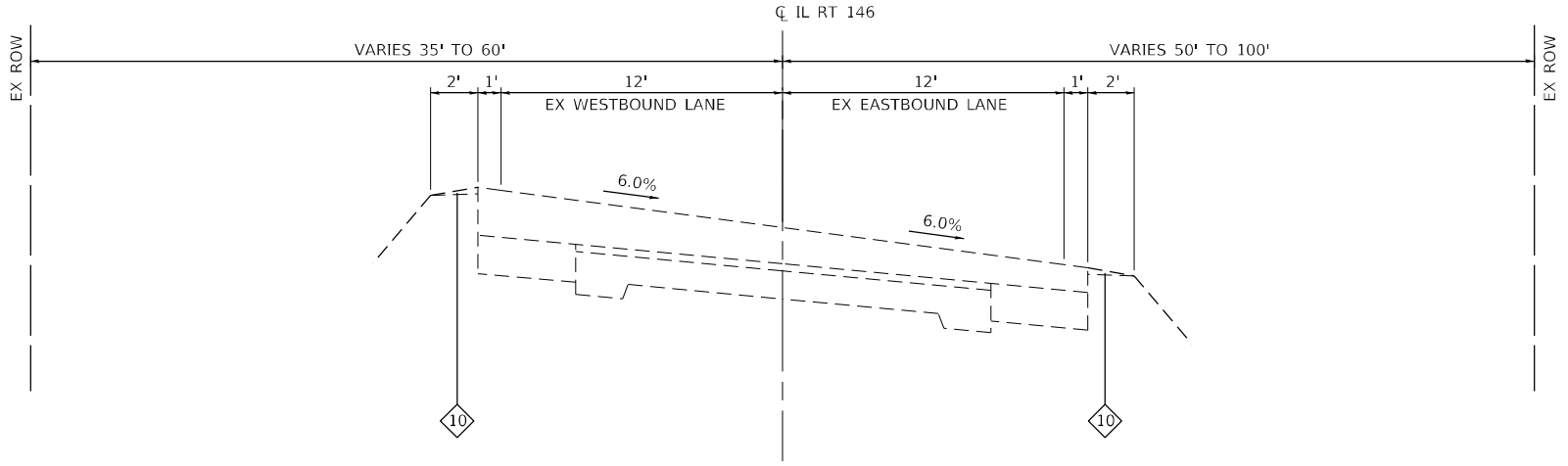
**EXISTING TYPICAL SECTION**

IL ROUTE 146  
STA 83+02.00 TO STA 84+31.00



**EXISTING TYPICAL SECTION**

IL ROUTE 146  
STA 67+34.50 TO STA 83+02.00



**EXISTING TYPICAL SECTION**

IL ROUTE 146  
STA 45+69.00 TO STA 55+56.00

**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9-6-9
- 2 EXISTING PCC PAVEMENT, 8"
- 3 EXISTING HMA BASE COURSE, 8"
- 4 EXISTING HMA BASE COURSE, 9"
- 5 EXISTING HMA OVERLAY, 1.5"
- 6 EXISTING HMA OVERLAY, 2.75"
- 7 EXISTING HMA OVERLAY, 5.25" & VARIES
- 8 EXISTING HMA OVERLAY, 6"
- 9 EXISTING HMA SHOULDERS, 10.5"
- 10 EXISTING AGGREGATE SHOULDER, TYPE B WEDGE
- 11 EXISTING AGGREGATE SHOULDER, TYPE A, 6"
- 12 EXISTING CORRUGATED MEDIAN
- 13 EXISTING STABILIZED SUBBASE, 4"
- 14 EXISTING CONCRETE CURB AND GUTTER
- 15 EXISTING PCC MEDIAN
- 16 EXISTING OIL AND CHIP PAVEMENT
- 17 EXISTING TYPE B-6.24 CURB AND GUTTER
- 18 EXISTING HMA SHOULDERS, 8"
- 19 EXISTING HMA PAVEMENT

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 IDOT PTB 196 Item 610220088.017 - 11 146 Phase 1

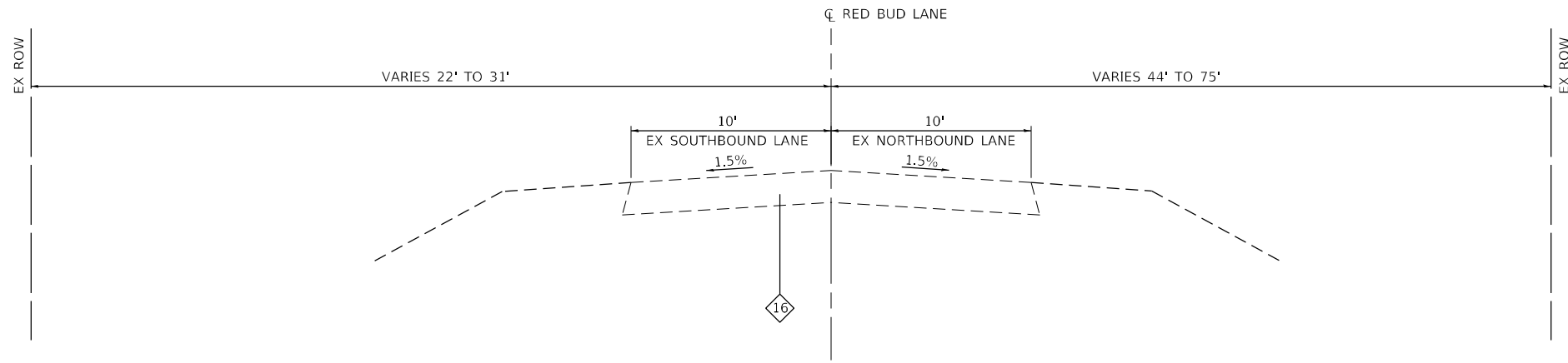


|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjone,wiltjes    | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 40,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

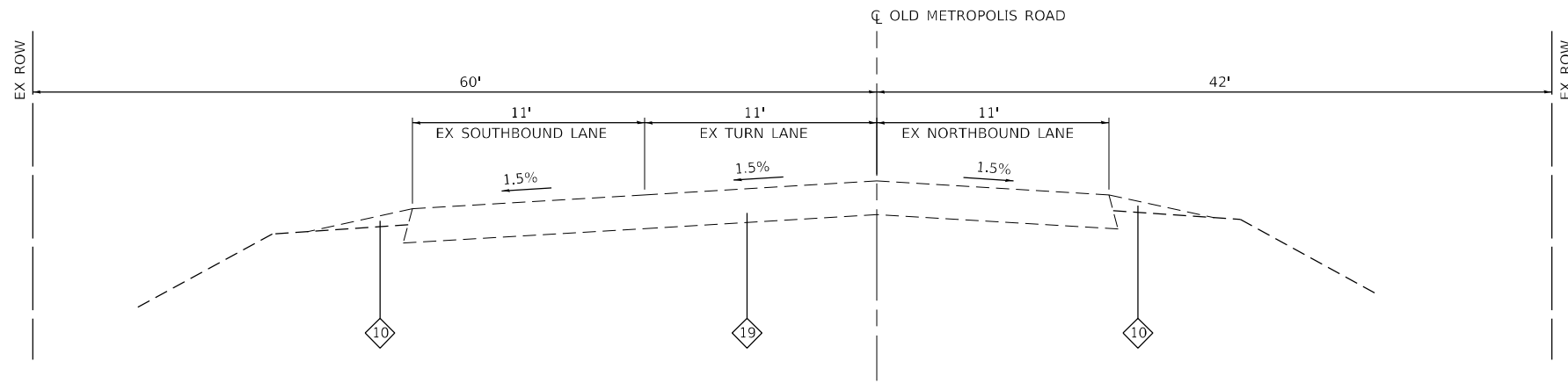
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|-------------------------|---------|-------------|--------------|
| <b>TYPICAL SECTIONS</b> |         |             |              |
| SCALE: NTS              | SHEET 2 | OF 8 SHEETS | STA. TO STA. |

|                           |                         |                |                    |              |
|---------------------------|-------------------------|----------------|--------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110 (W-2, RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 19 |
|                           |                         |                | CONTRACT NO. 78524 |              |
| ILLINOIS FED. AID PROJECT |                         |                |                    |              |



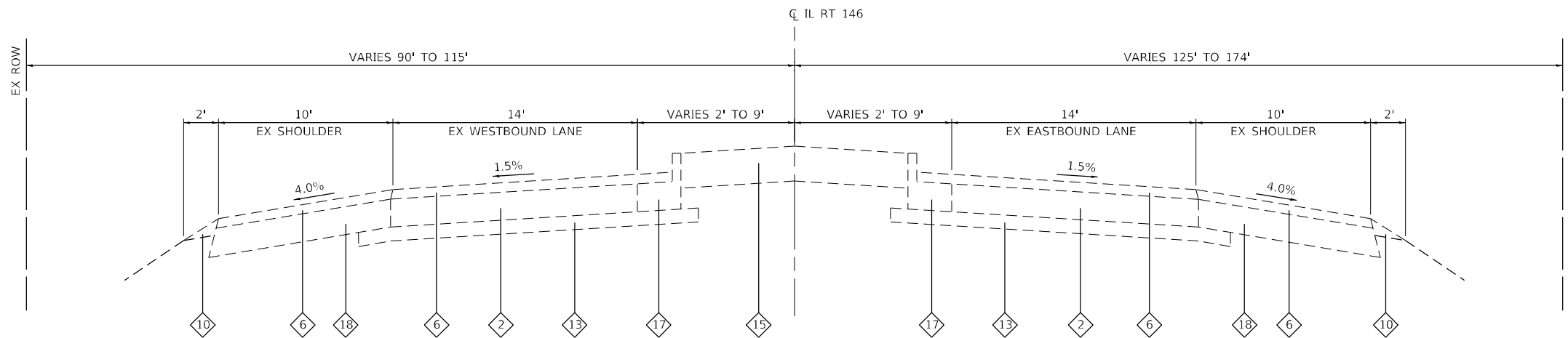
**EXISTING TYPICAL SECTION**

RED BUD LANE  
STA 300+00.00 TO STA 302+55.49



**EXISTING TYPICAL SECTION**

OLD METROPOLIS ROAD  
STA 297+31.00 TO STA 300+00.00



**EXISTING TYPICAL SECTION**

IL ROUTE 146  
STA 84+31.00 TO STA 87+58.00

**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9-6-9
- 2 EXISTING PCC PAVEMENT, 8"
- 3 EXISTING HMA BASE COURSE, 8"
- 4 EXISTING HMA BASE COURSE, 9"
- 5 EXISTING HMA OVERLAY, 1.5"
- 6 EXISTING HMA OVERLAY, 2.75"
- 7 EXISTING HMA OVERLAY, 5.25" & VARIES
- 8 EXISTING HMA OVERLAY, 6"
- 9 EXISTING HMA SHOULDERS, 10.5"
- 10 EXISTING AGGREGATE SHOULDER, TYPE B WEDGE
- 11 EXISTING AGGREGATE SHOULDER, TYPE A, 6"
- 12 EXISTING CORRUGATED MEDIAN
- 13 EXISTING STABILIZED SUBBASE, 4"
- 14 EXISTING CONCRETE CURB AND GUTTER
- 15 EXISTING PCC MEDIAN
- 16 EXISTING OIL AND CHIP PAVEMENT
- 17 EXISTING TYPE B-6.24 CURB AND GUTTER
- 18 EXISTING HMA SHOULDERS, 8"
- 19 EXISTING HMA PAVEMENT

MODEL Phase 1.dwg  
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

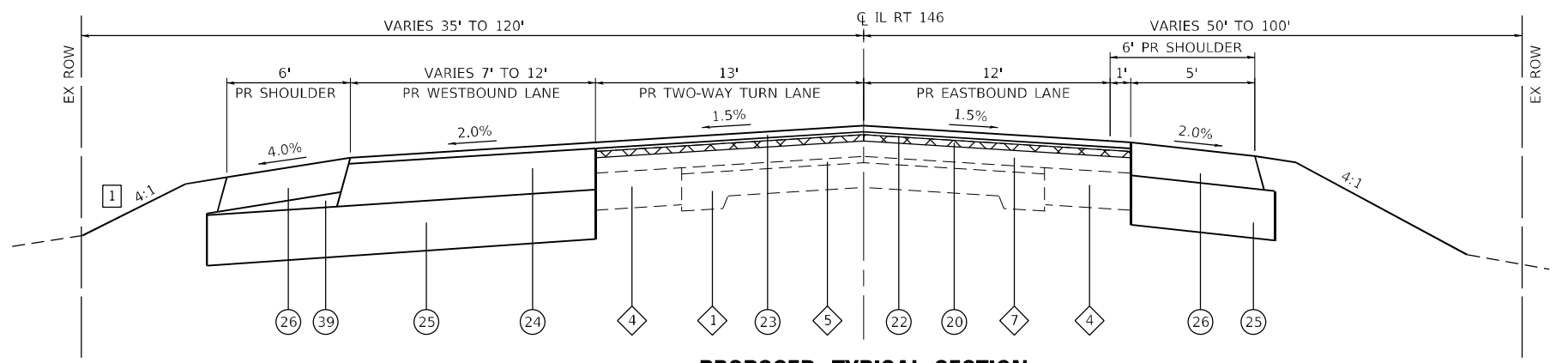


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|------------------------------|------------|-----------|
| USER NAME = rjnr,wiljes      | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

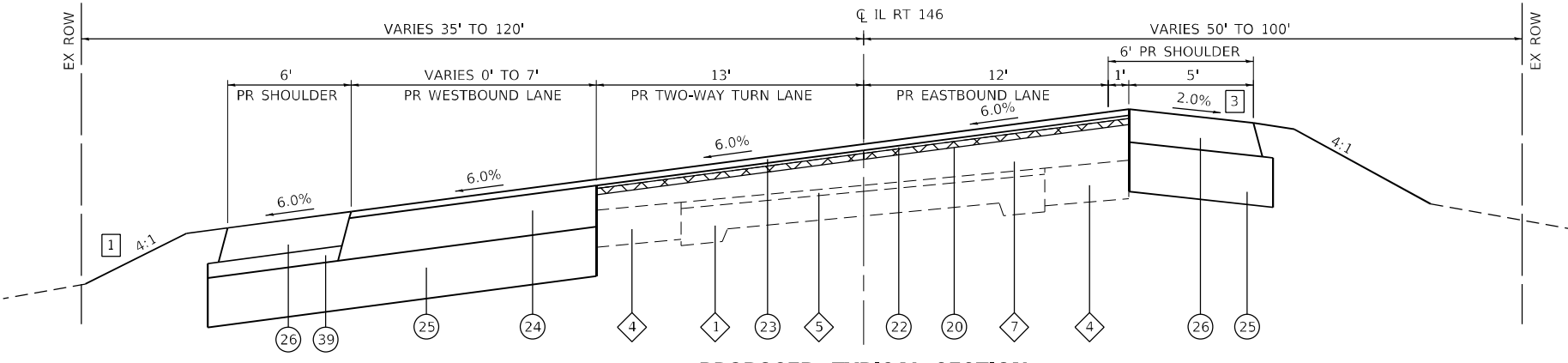
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|-------------------------|---------------------|
| <b>TYPICAL SECTIONS</b> |                     |
| SCALE: NTS              | SHEET 3 OF 8 SHEETS |
| STA.                    | TO STA.             |

|                           |                         |                |                  |              |
|---------------------------|-------------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110 (W-2, RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 20 |
| CONTRACT NO. 78524        |                         |                |                  |              |
| ILLINOIS FED. AID PROJECT |                         |                |                  |              |



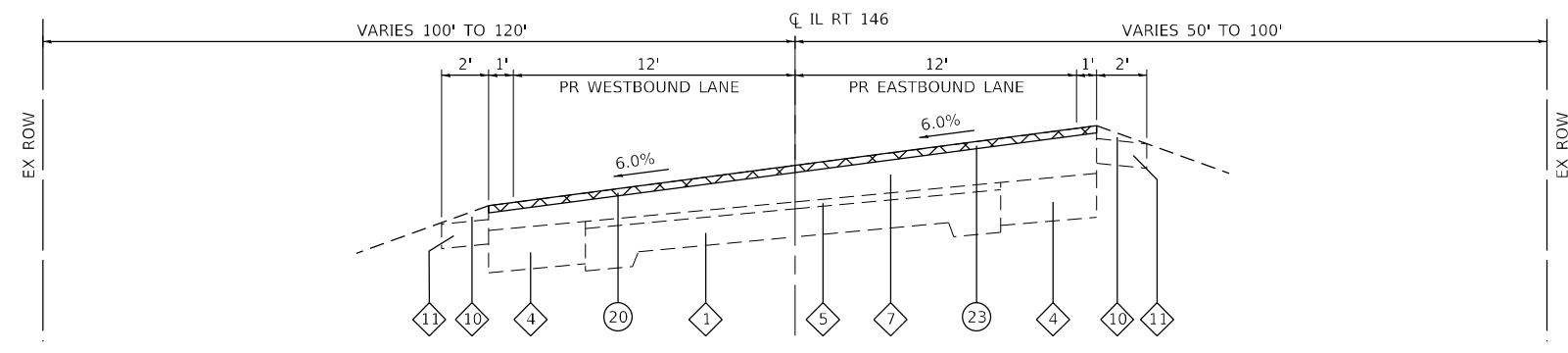
**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 39+23.00 TO STA 46+35.00



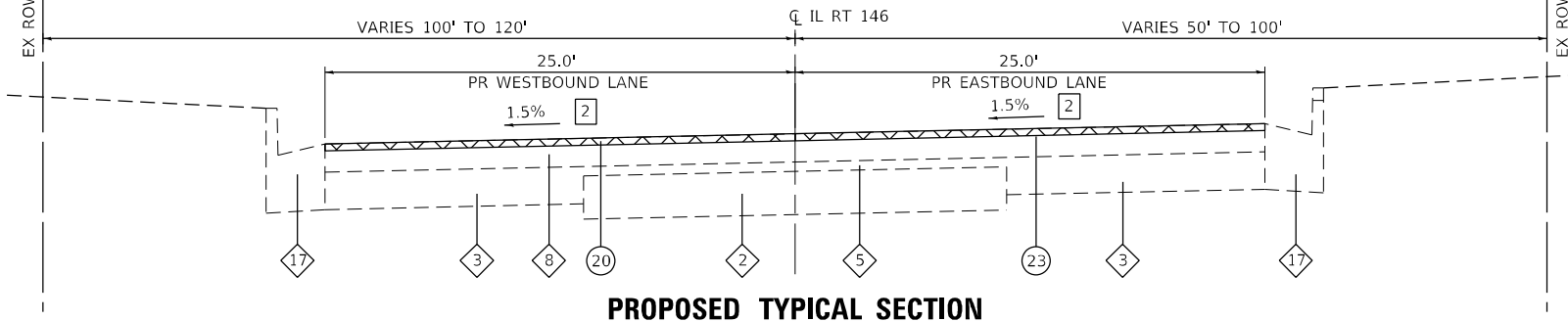
**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 36+66.00 TO STA 39+23.00



**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 30+60.00 TO STA 32+30.00



**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 28+25.00 TO STA 30+60.00

**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9-6-9
- 2 EXISTING PCC PAVEMENT, 8"
- 3 EXISTING HMA BASE COURSE, 8"
- 4 EXISTING HMA BASE COURSE, 9"
- 5 EXISTING HMA OVERLAY, 1.5"
- 6 EXISTING HMA OVERLAY, 2.75"
- 7 EXISTING HMA OVERLAY, 5.25" & VARIES
- 8 EXISTING HMA OVERLAY, 6"
- 9 EXISTING HMA SHOULDERS, 10.5"
- 10 EXISTING AGGREGATE SHOULDER, TYPE B WEDGE
- 11 EXISTING AGGREGATE SHOULDER, TYPE A, 6"
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- 13 EXISTING STABILIZED SUBBASE, 4"
- 14 EXISTING CONCRETE CURB AND GUTTER
- 15 EXISTING PCC MEDIAN
- 16 EXISTING OIL AND CHIP PAVEMENT
- 17 EXISTING TYPE B-6.24 CURB AND GUTTER
- 18 EXISTING HMA SHOULDERS, 8"
- 19 EXISTING HMA PAVEMENT
- 20 PROPOSED HMA SURFACE REMOVAL, 1.5"
- 21 PROPOSED HMA SURFACE REMOVAL, 0.5"
- 22 PROPOSED HMA BINDER COURSE, 2.25"
- 23 PROPOSED HMA SURFACE COURSE, 1.5"
- 24 PROPOSED HMA BINDER COURSE, 10"
- 25 PROPOSED AGGREGATE BASE COURSE, TY A, 12"
- 26 PROPOSED HMA SHOULDER, 8"
- 27 PROPOSED PCC SHARED-USE PATH, 5"
- 28 PROPOSED CONCRETE CURB AND GUTTER TYPE B-6.24
- 29 PROPOSED CONCRETE CURB AND GUTTER TYPE M-4.12
- 30 PROPOSED CONCRETE CURB AND GUTTER TYPE M-6.24
- 31 PROPOSED CONCRETE CURB AND GUTTER TYPE M (SPECIAL)
- 32 PROPOSED STAMPED & COLORED PCC PAVEMENT, 9"
- 33 PROPOSED STAMPED COLORED PCC MEDIAN SURFACE, 4"
- 34 PROPOSED LANDSCAPING GRAVEL, VARIABLE DEPTH
- 35 PROPOSED PCC PAVEMENT, 9"
- 36 PROPOSED HMA SHOULDER RESURFACING, 1.5"
- 37 PROPOSED HMA SHOULDER RESURFACING, 2.75"
- 38 PROPOSED STABILIZED SUBBASE, 4"
- 39 PROPOSED SUBBASE GRANULAR MATERIAL, TY C (VARIES)
- 40 PROPOSED AGGREGATE BASE COURSE, TY A, 4"
- 41 PROPOSED AGGREGATE FILL (INCLUDED WITH MEDIAN SURFACE)
- 42 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 43 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" (TYP.)

**NOTES**

- 1 PROPOSED SPECIAL DITCH  
STA 36+08 TO STA 42+77 LT  
STA 43+41 TO STA 45+80 LT
- 2 SECTION TRANSITIONS FROM 20' LANES TO 13'  
FROM STA 29+19 TO STA 30+73
- 3 BREAKOVER SHALL NOT EXCEED 8%

|  |           |   |
|--|-----------|---|
| STRUCTURAL DESIGN TRAFFIC:                           |           | Year: 2033  |
| PV = 7,550   | SU = 190  | MU = 210  |
| ROAD/STREET CLASSIFICATION:                          |           | Class: II   |
| PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: |           |   |
| P = 50.0%  | S = 50.0% | M = 50.0%   |
| TRAFFIC FACTOR:                                      |           | Actual TF = 1.03 Minimum TF = 3.17                                  |
| PG GRADE:  |           | Top Binder = PG 64-22 Lower Binder = PG 64-22<br>Surface = PG 64-22 |
| SUBGRADE SUPPORT RATING:                             |           | SSR = POOR  |

MODEL Phase 1 Plots  
FILE NAME: I:\11220088-1\DOT\_PTB\_196\_Item\_611220088\_017-11\_146\_Phase\_11\CADD\MicroStation\CADD\_Drawing\11220088\_017\_11\_146\_Typical\_Sections.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = bill.tindall    | DESIGNED - | REVISED - |
| DRAWN -                     | REVISOR -  |           |
| PLOT SCALE = 40,0000' / in. | CHECKED -  | REVISOR - |
| PLOT DATE = 4/11/2023       | DATE -     | REVISOR - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

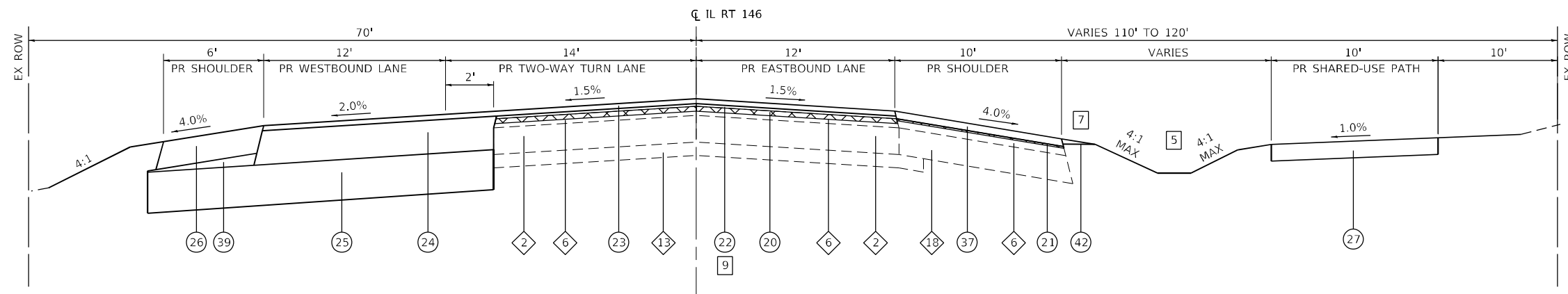
**TYPICAL SECTIONS**

SCALE: NTS SHEET 4 OF 8 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION         | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|---------|--------------|-----------|
| 885                       | 110 (W-2, RS-5) | JOHNSON | 159          | 21        |
| CONTRACT NO. 78524        |                 |         |              |           |
| ILLINOIS FED. AID PROJECT |                 |         |              |           |

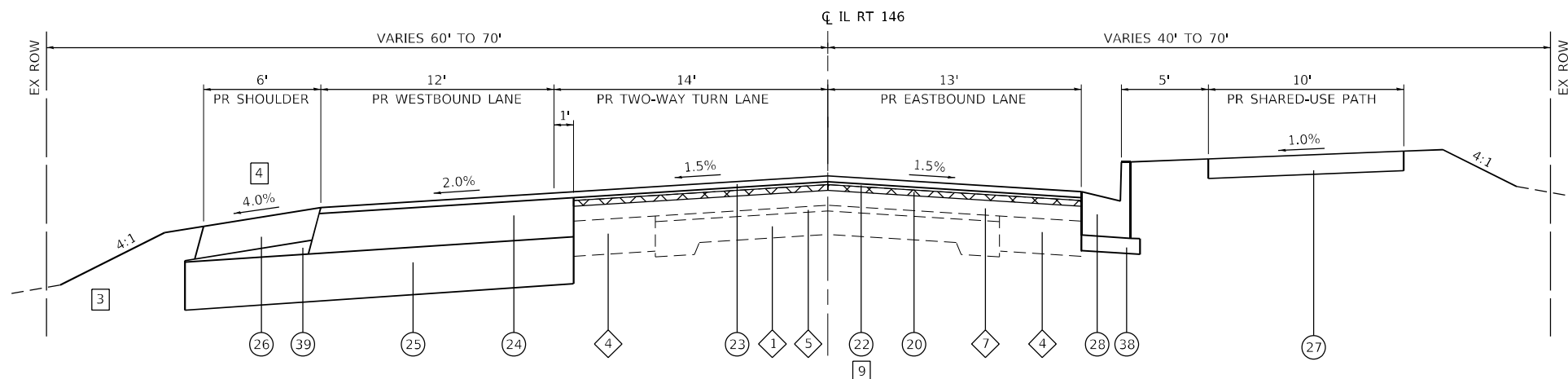
**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9-6-9
- 2 EXISTING PCC PAVEMENT, 8"
- 3 EXISTING HMA BASE COURSE, 8"
- 4 EXISTING HMA BASE COURSE, 9"
- 5 EXISTING HMA OVERLAY, 1.5"
- 6 EXISTING HMA OVERLAY, 2.75"
- 7 EXISTING HMA OVERLAY, 5.25" & VARIES
- 8 EXISTING HMA OVERLAY, 6"
- 9 EXISTING HMA SHOULDERS, 10.5"
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- 11 EXISTING AGGREGATE SHOULDER, TYPE A, 6"
- 12 EXISTING CORRUGATED MEDIAN
- 13 EXISTING STABILIZED SUBBASE, 4"
- 14 EXISTING CONCRETE CURB AND GUTTER
- 15 EXISTING PCC MEDIAN
- 16 EXISTING OIL AND CHIP PAVEMENT
- 17 EXISTING TYPE B-6.24 CURB AND GUTTER
- 18 EXISTING HMA SHOULDERS, 8"
- 19 EXISTING HMA PAVEMENT
- 20 PROPOSED HMA SURFACE REMOVAL, 1.5"
- 21 PROPOSED HMA SURFACE REMOVAL, 0.5"
- 22 PROPOSED HMA BINDER COURSE, 2.25"
- 23 PROPOSED HMA SURFACE COURSE, 1.5"
- 24 PROPOSED HMA BINDER COURSE, 10"
- 25 PROPOSED AGGREGATE BASE COURSE, TY A, 12"
- 26 PROPOSED HMA SHOULDER, 8"
- 27 PROPOSED PCC SHARED-USE PATH, 5"
- 28 PROPOSED CONCRETE CURB AND GUTTER TYPE B-6.24
- 29 PROPOSED CONCRETE CURB AND GUTTER TYPE M-4.12
- 30 PROPOSED CONCRETE CURB AND GUTTER TYPE M-6.24
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- 32 PROPOSED STAMPED & COLORED PCC PAVEMENT, 9"
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- 34 PROPOSED LANDSCAPING GRAVEL, VARIABLE DEPTH
- 35 PROPOSED PCC PAVEMENT, 9"
- 36 PROPOSED HMA SHOULDER RESURFACING, 1.5"
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- 38 PROPOSED STABILIZED SUBBASE, 4"
- 39 PROPOSED SUBBASE GRANULAR MATERIAL, TY C (VARIES)
- 40 PROPOSED AGGREGATE BASE COURSE, TY A, 4"
- 41 PROPOSED AGGREGATE FILL (INCLUDED WITH MEDIAN SURFACE)
- 42 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 43 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" (TYP.)



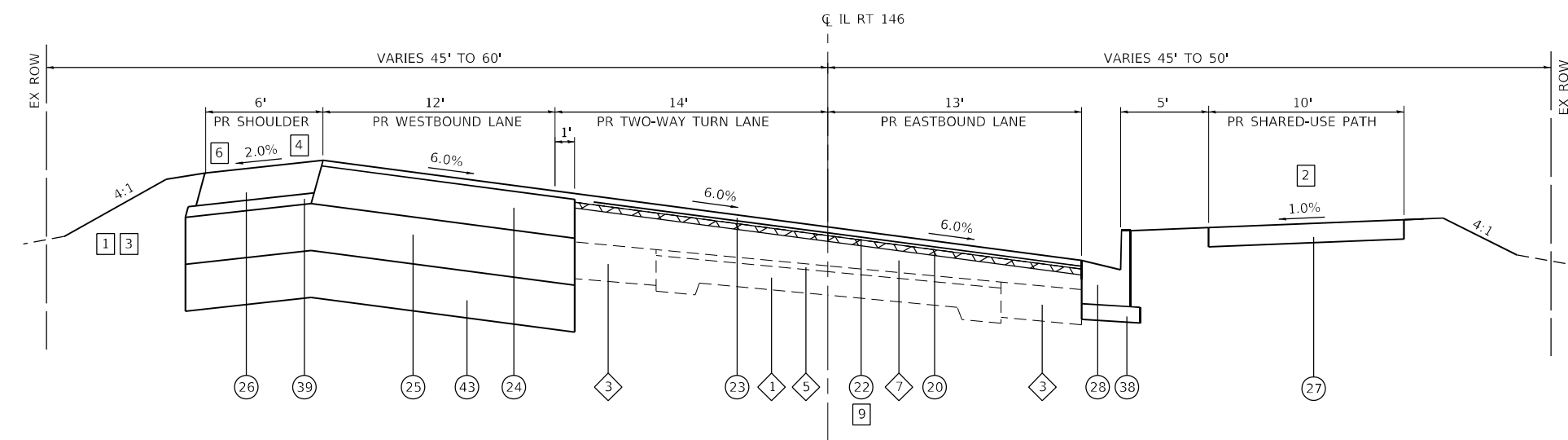
**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 67+40.00 TO STA 80+67.00



**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 55+46.00 TO STA 67+40.00



**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 46+35.00 TO STA 55+46.00

**NOTES**

- 1 PROPOSED CONC TYPE A GUTTER AT ROW LINE STA 47+61 TO STA 49+52 LT STA 50+16 TO STA 51+60 LT
- 2 PROPOSED PCC SHARED-USE PATH BEGINS AT STA 46+49 RT
- 3 PROPOSED SPECIAL DITCH STA 52+00 TO STA 53+99 LT STA 56+50 TO STA 80+08 LT
- 4 PROPOSED CONCRETE CURB AND GUTTER TYPE B-6.24 AT EDGE OF SHOULDER STA 54+15 TO STA 56+00 LT
- 5 SPECIAL DITCH, RT BEGINS AT STA 70+50
- 6 BREAKOVER SHALL NOT EXCEED 8%
- 7 PROPOSED AGG WEDGE SHOULDER STA 70+63 TO STA 80+78 RT
- 8 PROPOSED AGG SUBGRADE IMPROVEMENT, 12" STA 46+50 TO STA 51+50 LT
- 9 BINDER THICKNESS VARIES STA 49+68 TO STA 68+00

MODEL Phase 1 Plots  
FILE NAME: I:\2023\08 - IDOT\_PTB\_P06\_Item 61220888.017 - IL 146 Phase 1\CAD\Drawings\09220888.017-Sub-Typical\_Sections.dgn  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = bill.tindall  
PLOT SCALE = 40,0000 \* / in.  
PLOT DATE = 4/11/2023

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

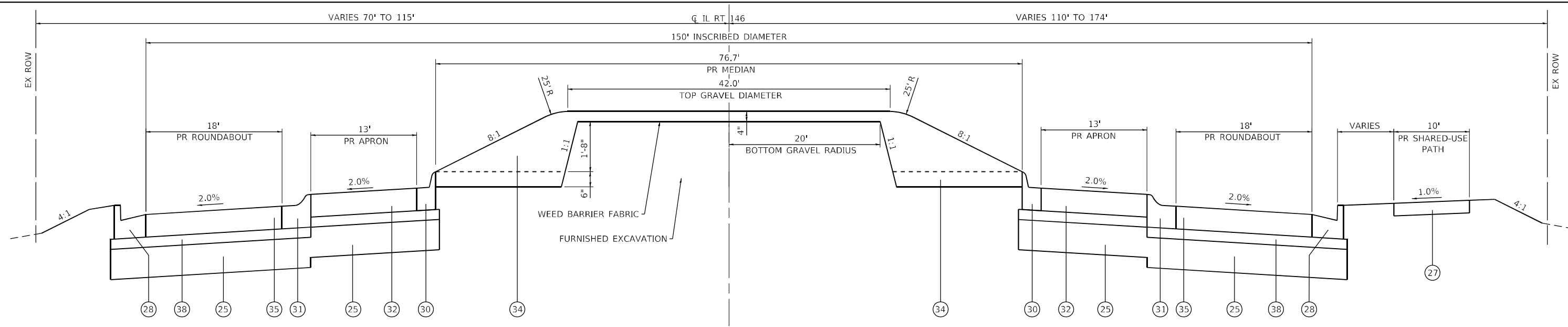
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: NTS SHEET 5 OF 8 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION         | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|---------|--------------|-----------|
| 885                       | 110 (W-2, RS-5) | JOHNSON | 159          | 22        |
| CONTRACT NO. 78524        |                 |         |              |           |
| ILLINOIS FED. AID PROJECT |                 |         |              |           |

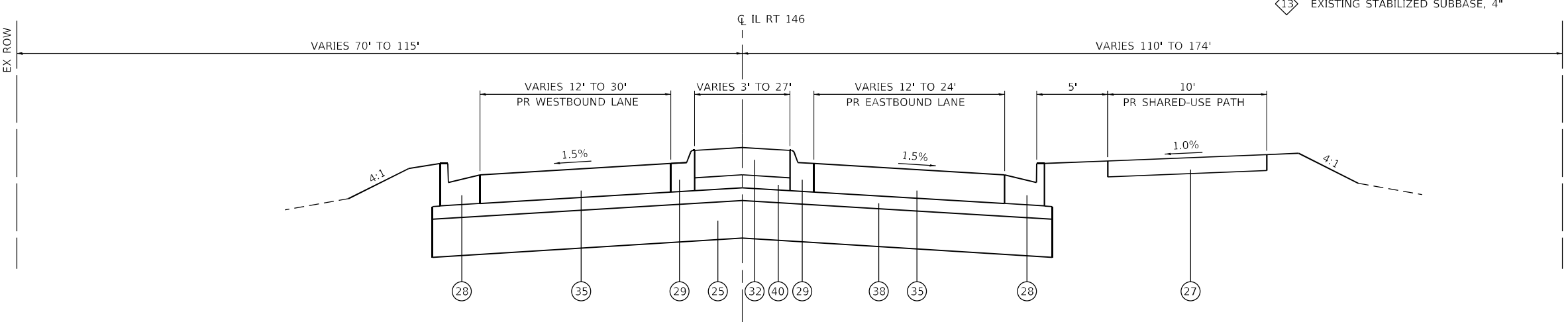


**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
 STA 81+70.00 TO STA 83+19.00  
 OLD METROPOLIS ROAD / RED BUD LANE  
 STA 299+19.00 TO STA 300+69.00

**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9-6-9
- 2 EXISTING PCC PAVEMENT, 8"
- 3 EXISTING HMA BASE COURSE, 8"
- 4 EXISTING HMA BASE COURSE, 9"
- 5 EXISTING HMA OVERLAY, 1.5"
- 6 EXISTING HMA OVERLAY, 2.75"
- 7 EXISTING HMA OVERLAY, 5.25" & VARIES
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- 41 PROPOSED AGGREGATE FILL (INCLUDED WITH MEDIAN SURFACE)
- 42 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 43 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" (TYP.)



**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
 STA 80+67.00 TO STA 81+70.00  
 STA 83+19.00 TO STA 84+82.00

ROUNDABOUT OMISSION, STA 81+70.00 TO STA 83+19.00

MODEL Phase 1 Plans  
 FILE NAME: I:\11220088 - IDOT PTB 196 Item 611220088 - IL 146 Phase 1\CADD\Microstation\CADD Drawings\11220088.017-shc-Typical Sections.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = bill.irindall    | DESIGNED - | REVISED - |
| DRAWN -                      | REVISED -  |           |
| PLOT SCALE = 40,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 4/11/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

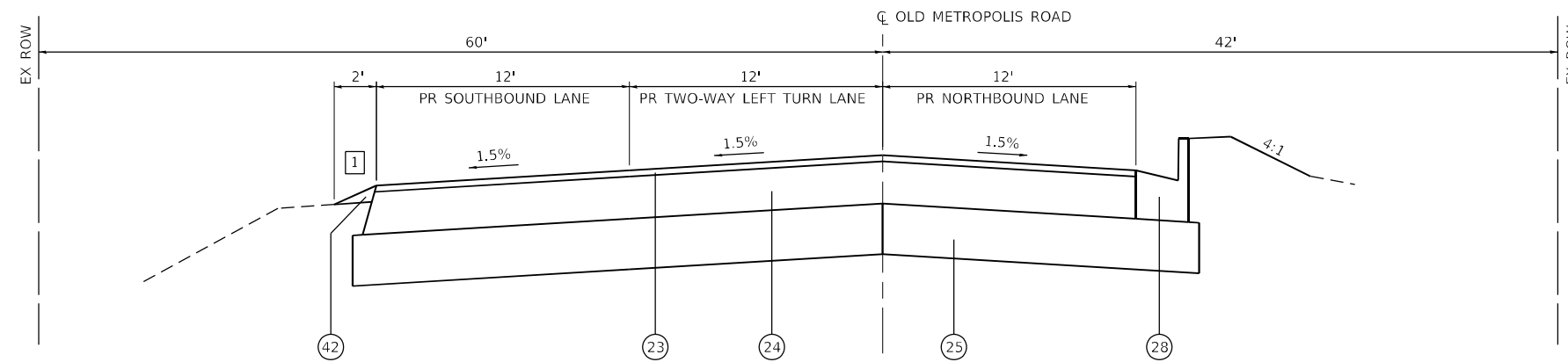
**TYPICAL SECTIONS**

SCALE: NTS SHEET 6 OF 8 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION         | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|---------|--------------|-----------|
| 885                       | 110 (W-2, RS-5) | JOHNSON | 159          | 23        |
| CONTRACT NO. 78524        |                 |         |              |           |
| ILLINOIS FED. AID PROJECT |                 |         |              |           |

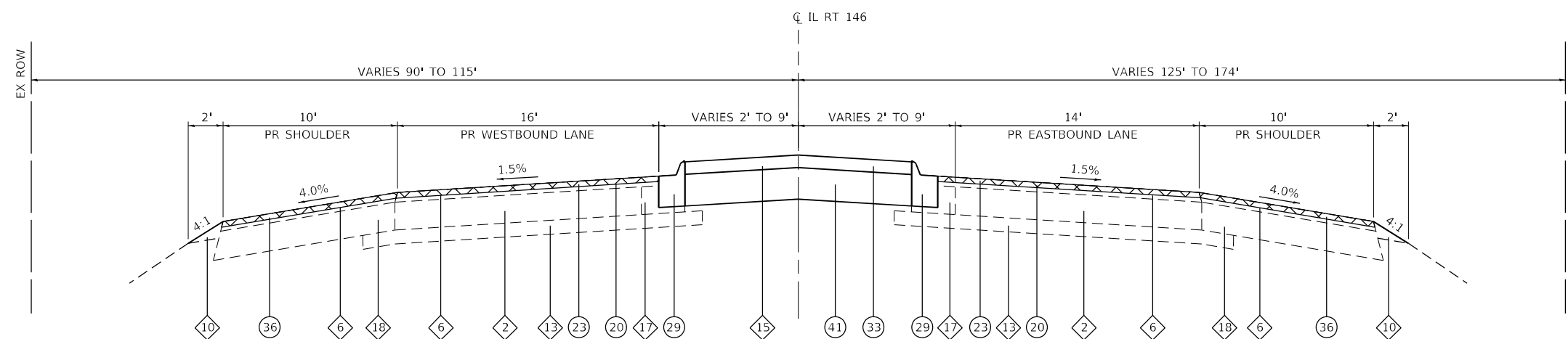
**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9-6-9
- 2 EXISTING PCC PAVEMENT, 8"
- 3 EXISTING HMA BASE COURSE, 8"
- 4 EXISTING HMA BASE COURSE, 9"
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- 7 EXISTING HMA OVERLAY, 5.25" & VARIES
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- 20 PROPOSED HMA SURFACE REMOVAL, 1.5"
- 21 PROPOSED HMA SURFACE REMOVAL, 0.5"
- 22 PROPOSED HMA BINDER COURSE, 2.25"
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- 34 PROPOSED LANDSCAPING GRAVEL, VARIABLE DEPTH
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- 36 PROPOSED HMA SHOULDER RESURFACING, 1.5"
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- 42 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 43 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" (TYP.)



**PROPOSED TYPICAL SECTION**

OLD METROPOLIS ROAD  
STA 296+98.00 TO STA 298+35.00



**PROPOSED TYPICAL SECTION**

IL ROUTE 146  
STA 84+82.00 TO STA 87+57.00

1 PROPOSED CONC CURB & GUTTER  
STA 297+88 LT TO 298+34 LT

MODEL Phase 1.dwg  
FILE NAME: I:\2008\1146 Phase 1\DOT\PTB\106 Item 6\11220088.017.dwg  
CADD:\MicroStation\DOT\PTB\106 Item 6\11220088.017.dwg  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = bill.drdall  
DESIGNED -  
DRAWN -  
PLOT SCALE = 40,0000 \* / in.  
CHECKED -  
DATE -  
DESIGNED -  
REVISOR -  
REVISOR -  
REVISOR -  
REVISOR -

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISOR -  
REVISOR -  
REVISOR -  
REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: NTS SHEET 7 OF 8 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION         | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|---------|--------------|-----------|
| 885                       | 110 (W-2, RS-5) | JOHNSON | 159          | 24        |
| CONTRACT NO. 78524        |                 |         |              |           |
| ILLINOIS FED. AID PROJECT |                 |         |              |           |







**RIPRAP SCHEDULE**

| STATION                         | STATION | O/S | STONE RIPRAP | STONE RIPRAP | FILTER FABRIC |
|---------------------------------|---------|-----|--------------|--------------|---------------|
|                                 |         |     | CL A3        | CL A4        |               |
|                                 |         |     | (SQ YD)      | (SQ YD)      | (SQ YD)       |
| <b>IL 146</b>                   |         |     |              |              |               |
| 47+47.                          | 47+59.  | LT  | 23           |              | 23            |
| 47+47.                          | 47+66.  | RT  | 18           |              | 18            |
| 57+22.                          | 57+41.  | LT  | 34           |              | 34            |
| 57+25.                          | 57+58.  | RT  | 32           |              | 32            |
| 59+58.                          | 59+79.  | LT  | 23           |              | 23            |
| 60+30.                          | 60+47.  | LT  | 36           |              | 36            |
| 69+66.                          | 69+94.  | LT  | 38           |              | 38            |
| 69+85.                          | 69+97.  | RT  | 34           |              | 34            |
| 73+45                           | 73+78   | RT  | 51           |              | 51            |
| 74+15                           | 74+43   | LT  | 41           |              | 41            |
| 76+92                           | 77+29   | RT  | 55           |              | 55            |
| 77+41                           | 78+18   | LT  | 89           |              | 89            |
| 83+30                           | 83+73   | LT  | 34           |              | 34            |
| 83+56                           | 83+80   | RT  | 20           |              | 20            |
| <b>RED BUD / OLD METROPOLIS</b> |         |     |              |              |               |
| 293+77                          | 293+92  | LT  |              | 29           | 29            |
| 296+94                          | 297+81  | LT  |              | 203          | 203           |
| 301+75                          | 302+02  | LT  | 31           |              | 31            |
| 302+55                          | 302+82  | RT  |              | 63           | 63            |
| 303+26                          | 303+43  | LT  | 23           |              | 23            |
| 304+07                          | 304+24  | RT  | 23           |              | 23            |
| <b>TOTAL</b>                    |         |     | <b>605</b>   | <b>295</b>   | <b>900</b>    |

**CULVERT REMOVAL SCHEDULE**

| STATION                         | O/S   | STATION | O/S   | PIPE         | CONTR      |
|---------------------------------|-------|---------|-------|--------------|------------|
|                                 |       |         |       | CULVERT      | LOW-STRENG |
|                                 |       |         |       | REMOV        | MATL       |
|                                 |       |         |       | (FOOT)       | (CU YD)    |
| <b>IL 146</b>                   |       |         |       |              |            |
| 48+55                           | LT    | 49+03   | LT    | 49           |            |
| 49+55                           | LT    | 50+11   | LT    | 58           |            |
| 50+96.2                         | RT    | 51+25.2 | LT    | 30           |            |
| 53+22                           | RT    | 54+00   | RT    | 77           |            |
| 53+46                           | LT    | 53+85   | LT    | 40           |            |
| 54+06                           | RT    | 54+55   | RT    | 49           |            |
| 56+03                           | RT    | 56+44   | RT    | 41           |            |
| 57+57                           | LT    | 57+60   | RT    |              | 9          |
| 57+74                           | RT    | 58+35   | RT    | 62           |            |
| 60+30                           | RT    | 60+79   | RT    | 49           |            |
| 61+71                           | RT    | 62+02   | RT    | 30           |            |
| 62+20                           | RT    | 62+50   | RT    | 30           |            |
| 65+61                           | LT    | 65+93   | LT    | 32           |            |
| 67+58                           | RT    | 68+00   | RT    | 42           |            |
| 68+73                           | LT    | 69+08   | LT    | 36           |            |
| 69+23                           | LT    | 69+59   | LT    | 36           |            |
| 70+13                           | RT    | 70+58   | RT    | 46           |            |
| 70+97                           | LT    | 71+56   | RT    | 59           |            |
| 71+50                           | RT    | 71+95   | RT    | 45           |            |
| 72+41                           | RT    | 72+86   | RT    | 46           |            |
| 72+60                           | LT    | 73+20   | LT    | 60           |            |
| 74+10                           | RT    | 74+59   | RT    | 49           |            |
| 75+90                           | LT    | 76+52   | LT    | 61           |            |
| 77+67                           | RT    | 78+52   | RT    | 86           |            |
| 78+30                           | LT    | 80+03   | LT    | 173          |            |
| <b>PARK ST.</b>                 |       |         |       |              |            |
| 11+32                           | LT/RT | 11+32   | LT/RT | 24           |            |
| <b>RED BUD / OLD METROPOLIS</b> |       |         |       |              |            |
| 298+09                          | RT    | 298+49  | RT    | 47           |            |
| 299+31                          | LT    | 301+25  | LT    | 153          | 49         |
| <b>TOTAL</b>                    |       |         |       | <b>1,510</b> | <b>58</b>  |

**SIGNAGE SCHEDULE**

| STATION                         | O/S | TYPE    | DESCRIPTION  | SIZE |      | SIGN PANEL T1 | TELES STL SIN SUPPORT | WOOD SIN SUPPORT | BASE TEL STL SIN SUPP | SOLAR POWER FB AS CMP |
|---------------------------------|-----|---------|--------------|------|------|---------------|-----------------------|------------------|-----------------------|-----------------------|
|                                 |     |         |              | IN   | X IN |               |                       |                  |                       |                       |
|                                 |     |         |              |      |      | (SQ FT)       | (FOOT)                | (FOOT)           | (EACH)                | (EACH)                |
| <b>IL 146</b>                   |     |         |              |      |      |               |                       |                  |                       |                       |
| 46+29                           | LT  | R1-1    | STOP SIGN    | 18   | X 18 | 2.3           | 12                    |                  |                       |                       |
| 46+39                           | RT  | W11-2   | PEDESTRIAN   | 30   | X 30 | 6.3           |                       |                  |                       |                       |
|                                 |     | W16-7pL | LEFT ARROW   | 24   | X 12 | 2.0           |                       |                  |                       | 1                     |
| 46+45                           | LT  | R10-25  | PUSH BUTTON  | 9    | X 12 | 0.8           |                       |                  |                       |                       |
|                                 |     | R5-3    | NO MOTOR VEH | 24   | X 24 | 4.0           | 12                    |                  |                       |                       |
| 46+51                           | RT  | R5-3    | NO MOTOR VEH | 24   | X 24 | 4.0           | 12                    |                  |                       |                       |
| 46+58                           | LT  | W11-2   | PEDESTRIAN   | 30   | X 30 | 6.3           |                       |                  |                       |                       |
|                                 |     | W16-7pL | LEFT ARROW   | 24   | X 12 | 2.0           |                       |                  |                       | 1                     |
|                                 |     | R10-25  | PUSH BUTTON  | 9    | X 12 | 0.8           |                       |                  |                       |                       |
| 46+66                           | RT  | R1-1    | STOP SIGN    | 18   | X 18 | 2.3           | 12                    |                  |                       |                       |
| 78+69                           | RT  | W2-6    | ROUNDABOUT   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
|                                 |     | W13-1P  | SPEED LIMIT  | 18   | X 18 | 2.3           |                       |                  |                       |                       |
| 80+32                           | RT  | W3-2    | YIELD AHEAD  | 30   | X 30 | 6.3           | 16                    |                  |                       |                       |
| 81+57                           | RT  | R1-2    | YIELD        | 36   | X 36 | 4.5           | 19                    |                  |                       |                       |
|                                 |     | R5-1    | DO NOT ENTER | 30   | X 30 | 6.3           |                       |                  |                       |                       |
| 79+57                           | RT  | D1-5    | DIAGRAMMATIC | 108  | X 69 | 51.8          |                       | 53               |                       |                       |
| 85+29                           | LT  | D1-5    | DIAGRAMMATIC | 108  | X 69 | 51.8          |                       | 53               |                       |                       |
| 82+26                           | RT  | R6-4a   | RT ARROWS    | 48   | X 24 | 8.0           | 16                    |                  |                       |                       |
|                                 |     | R6-1r   | ONE WAY RT   | 36   | X 12 | 3.0           |                       |                  |                       |                       |
| 82+63                           | LT  | R6-4a   | RT ARROWS    | 48   | X 24 | 8.0           | 16                    |                  |                       |                       |
|                                 |     | R6-1r   | ONE WAY RT   | 36   | X 12 | 3.0           |                       |                  |                       |                       |
| 82+58                           | RT  | R6-1r   | ONE WAY RT   | 36   | X 12 | 3.0           | 16                    |                  |                       |                       |
|                                 |     | R6-4a   | RT ARROWS    | 48   | X 24 | 8.0           |                       |                  |                       |                       |
| 82+31                           | LT  | R6-1r   | ONE WAY RT   | 36   | X 12 | 3.0           | 16                    |                  |                       |                       |
|                                 |     | R6-4a   | RT ARROWS    | 48   | X 24 | 8.0           |                       |                  |                       |                       |
| 83+29                           | LT  | R1-2    | YIELD        | 36   | X 36 | 4.5           | 19                    |                  |                       |                       |
|                                 |     | R5-1    | DO NOT ENTER | 30   | X 30 | 6.3           |                       |                  |                       |                       |
| 83+44                           | RT  | W11-2   | PEDESTRIAN   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
|                                 |     | W16-7pL | LEFT ARROW   | 24   | X 12 | 2.0           |                       |                  |                       |                       |
| 83+45                           | LT  | R1-1    | STOP SIGN    | 18   | X 18 | 2.3           | 10                    |                  | 1                     |                       |
| 83+60                           | RT  | R1-1    | STOP SIGN    | 18   | X 18 | 2.3           | 10                    |                  | 1                     |                       |
| 83+63                           | LT  | W11-2   | PEDESTRIAN   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
|                                 |     | W16-7pL | LEFT ARROW   | 24   | X 12 | 2.0           |                       |                  |                       |                       |
| 84+53                           | LT  | W3-2    | YIELD AHEAD  | 30   | X 30 | 6.3           | 16                    |                  |                       |                       |
| 89+00                           | LT  | W2-6    | ROUNDABOUT   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
|                                 |     | W13-1P  | SPEED LIMIT  | 18   | X 18 | 2.3           |                       |                  |                       |                       |
| <b>RED BUD / OLD METROPOLIS</b> |     |         |              |      |      |               |                       |                  |                       |                       |
| 295+10                          | RT  | W2-6    | ROUNDABOUT   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
| 297+10                          | RT  | W13-1P  | SPEED LIMIT  | 18   | X 18 | 2.3           |                       |                  |                       |                       |
|                                 |     | W3-2    | YIELD AHEAD  | 30   | X 30 | 6.3           | 16                    |                  |                       |                       |
| 298+76                          | LT  | R1-1    | STOP SIGN    | 18   | X 18 | 2.3           | 12                    |                  |                       |                       |
| 298+84                          | RT  | W11-2   | PEDESTRIAN   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
|                                 |     | W16-7pL | LEFT ARROW   | 24   | X 12 | 2.0           |                       |                  |                       |                       |
| 299+00                          | LT  | W11-2   | PEDESTRIAN   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
|                                 |     | W16-7pL | LEFT ARROW   | 24   | X 12 | 2.0           |                       |                  |                       |                       |
| 299+08                          | RT  | R1-1    | STOP SIGN    | 18   | X 18 | 2.3           | 12                    |                  |                       |                       |
| 299+19                          | RT  | R1-2    | YIELD        | 36   | X 36 | 4.5           | 19                    |                  |                       |                       |
|                                 |     | R5-1    | DO NOT ENTER | 30   | X 30 | 6.3           |                       |                  |                       |                       |
| 300+73                          | LT  | R1-2    | YIELD        | 36   | X 36 | 4.5           | 19                    |                  |                       |                       |
|                                 |     | R5-1    | DO NOT ENTER | 30   | X 30 | 6.3           |                       |                  |                       |                       |
| 302+10                          | LT  | W3-2    | YIELD AHEAD  | 30   | X 30 | 6.3           | 16                    |                  |                       |                       |
| 303+08                          | LT  | W2-6    | ROUNDABOUT   | 30   | X 30 | 6.3           | 17                    |                  |                       |                       |
|                                 |     | W13-1P  | SPEED LIMIT  | 18   | X 18 | 2.3           |                       |                  |                       |                       |
| <b>SUBTOTAL</b>                 |     |         |              |      |      | <b>323.6</b>  | <b>432</b>            | <b>106</b>       | <b>2</b>              | <b>2</b>              |
| <b>TOTAL</b>                    |     |         |              |      |      | <b>324</b>    | <b>432</b>            | <b>106</b>       | <b>2</b>              | <b>2</b>              |

**ENTRANCE SCHEDULE**

| STATION                         | OFFSET | AGG BASE      | AGG SURF   | BIT MATLS     | INCIDENTAL | PROTECTIVE    | PCC DRIVEWAY | PCC DRIVEWAY |
|---------------------------------|--------|---------------|------------|---------------|------------|---------------|--------------|--------------|
|                                 |        | CSE A         | CSE A 6    | PR CT         | HMA SURF   | COAT          | PAVT 6       | PAVT 7       |
|                                 |        | (TON)         | (SQ YD)    | (POUND)       | (TON)      | (SQ YD)       | (SQ YD)      | (SQ YD)      |
| <b>IL 146</b>                   |        |               |            |               |            |               |              |              |
| 43+11                           | LT     | 25            |            |               | 9          |               |              |              |
| 47+30                           | LT     | 40            |            |               | 20         |               |              |              |
| 48+10                           | RT     | 13            | 35         |               |            | 62            | 62           |              |
| 48+94                           | RT     | 13            | 64         |               |            | 62            | 62           |              |
| 50+60                           | RT     | 28            |            |               |            | 128           |              | 128          |
| 51+77                           | LT     | 24            |            |               |            | 107           | 107          |              |
| 52+30                           | RT     | 11            | 30         |               |            | 52            | 52           |              |
| 52+96                           | LT     | 13            |            | 56            | 3          | 29            | 29           |              |
| 53+27                           | RT     | 18            |            |               |            | 83            | 83           |              |
| 53+54                           | LT     | 7             | 18         |               |            | 27            | 27           |              |
| 53+91                           | RT     | 21            |            | 78            | 4          | 62            | 62           |              |
| 54+76                           | RT     | 20            |            | 65            | 3          | 62            | 62           |              |
| 55+76                           | LT     | 12            | 92         |               |            | 50            | 50           |              |
| 56+23                           | RT     | 16            |            | 45            | 2          | 52            | 52           |              |
| 58+17                           | RT     | 50            |            | 122           | 16         | 80            | 80           |              |
| 60+54                           | RT     | 22            |            |               |            | 101           | 101          |              |
| 61+87                           | RT     | 15            |            | 45            | 2          | 49            | 49           |              |
| 62+38                           | RT     | 16            |            | 51            | 3          | 49            | 49           |              |
| 64+35                           | RT     | 14            | 98         |               |            | 65            | 65           |              |
| 65+85                           | RT     | 22            |            |               |            | 102           | 102          |              |
| 66+75                           | LT     | 12            | 86         |               |            | 18            | 18           |              |
| 67+79                           | RT     | 47            |            |               |            | 215           | 215          |              |
| 68+90                           | LT     | 26            |            | 196           | 10         |               |              |              |
| 69+41                           | LT     | 21            |            | 154           | 8          |               |              |              |
| 70+36                           | RT     | 56            |            |               |            | 247           | 247          |              |
| 71+25                           | LT     | 51            |            |               |            | 171           |              | 171          |
| 71+72                           | RT     | 61            |            |               |            | 268           | 268          |              |
| 72+63                           | RT     | 62            |            |               |            | 276           | 276          |              |
| 72+90                           | LT     | 51            |            |               |            | 171           |              | 171          |
| 74+31                           | RT     | 58            |            |               |            | 259           | 259          |              |
| 76+20                           | LT     | 51            |            |               |            | 171           |              | 171          |
| 78+10                           | RT     | 80            |            |               |            | 357           | 357          |              |
| 78+60                           | LT     | 60            |            | 469           | 23         |               |              |              |
| 79+71                           | LT     | 59            |            | 458           | 23         |               |              |              |
| <b>PARK STREET</b>              |        |               |            |               |            |               |              |              |
| 10+97                           | LT     | 32            |            |               |            | 142           | 142          |              |
| 11+04                           | RT     | 16            |            |               |            | 72            | 72           |              |
| <b>INDUSTRIAL DRIVE</b>         |        |               |            |               |            |               |              |              |
| 21+56                           | RT     | 12            | 143        |               |            | 50            | 50           |              |
| <b>RED BUD / OLD METROPOLIS</b> |        |               |            |               |            |               |              |              |
| 294+20                          | LT     | 15            | 112        |               |            | 65            | 65           |              |
| 294+81                          | LT     | 15            | 96         |               |            | 65            | 65           |              |
| 297+30                          | RT     | 17            |            | 163           | 8          |               |              |              |
| 298+46                          | RT     | 40            |            | 480           | 21         |               |              |              |
| 301+52                          | LT     | 6             | 144        |               |            | 27            | 27           |              |
| 303+75                          | RT     | 29            |            |               |            | 127           |              | 127          |
| <b>SUBTOTAL</b>                 |        | <b>1,277</b>  | <b>918</b> | <b>2,382</b>  | <b>155</b> | <b>3,923</b>  | <b>3,155</b> | <b>768</b>   |
| <b>TOTAL</b>                    |        | <b>13,177</b> | <b>918</b> | <b>21,278</b> | <b>155</b> | <b>13,612</b> | <b>3,155</b> | <b>768</b>   |

**UTILITIES SCHEDULE**

| STATION                         | O/S | STATION | O/S | VV TA        | UNDRGRD     | UNDRGRD    | HANDHOLE | POTHOLING | MAN      | VV       | METER      |
|---------------------------------|-----|---------|-----|--------------|-------------|------------|----------|-----------|----------|----------|------------|
|                                 |     |         |     | 4 DIA T1F CL | C PVC 1 1/4 | C PVC 2    |          |           | ADJUST   | ADJUST   | VAULTS ADJ |
|                                 |     |         |     | (EACH)       | (FOOT)      | (FOOT)     | (EACH)   | (EACH)    | (EACH)   | (EACH)   | (EACH)     |
| <b>IL 146</b>                   |     |         |     |              |             |            |          |           |          |          |            |
| 28+25                           | LT  | 49+79   | LT  |              |             |            |          |           |          |          |            |
| 28+25                           | RT  | 49+79   | RT  |              |             |            |          |           |          |          |            |
| 49+79                           | LT  | 60+08   | LT  |              |             |            |          |           |          |          |            |
| 49+79                           | RT  | 60+08   | RT  |              |             |            |          |           | 1        | 3        | 1          |
| 60+08                           | LT  | 87+58   | LT  |              | 105         |            | 1        |           | 1        |          |            |
| 60+08                           | RT  | 87+58   | RT  |              |             |            |          |           | 2        | 1        |            |
| 81+83                           | LT  | 82+44   | RT  | 1            |             | 105        |          |           |          |          |            |
| <b>IDOT PROVIDED QUANTITIES</b> |     |         |     |              |             |            |          |           |          |          |            |
| <b>TOTAL</b>                    |     |         |     | <b>1</b>     | <b>105</b>  | <b>105</b> | <b>1</b> | <b>88</b> | <b>4</b> | <b>4</b> | <b>1</b>   |

MODEL: Default  
 FILE NAME: I:\2008\1146 Phase II\CADD\MicroStation\CADD Drawings\09220088.017.sht-schedule.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = rjnr,witjes  
 PLOT SCALE = 2,0000 ' / in.  
 PLOT DATE = 3/30/2023

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

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



**PAVEMENT MARKING SCHEDULE**

| STATION                          | OFFSET | STATION | OFFSET | SHORT TERM<br>PAVT MKING<br>(FOOT) | SHRT TRM<br>PAVT MK<br>REM<br>(SQ FT) | TEMP PVT<br>MK L&S PNT<br>(SQ FT) | TEMP PVT<br>MK L 4 PNT   |                           |                               | TEMP PVT<br>MK L 6<br>PNT<br>(FOOT) | TEMP PVT MK<br>L 12 PNT |                  | TEMP PVT<br>MK L 18<br>PNT<br>(FOOT) | TEMP PVT<br>MK L 24<br>PNT<br>(FOOT) | POLYUREA<br>PM T1<br>LTR-SY<br>(SQ FT) | POLYUREA<br>PM T1 LN 4   |                           |                               | POLYUREA<br>PM T1 LN<br>6<br>(FOOT) | POLYUREA PM<br>T1 LN 12 |                  | POLYUREA<br>PM T1<br>LN 18<br>(FOOT) | POLYUREA<br>PM T1<br>LN 24<br>(FOOT) | RAISED REFL<br>PAVT MKR<br>(EACH) | RAISED REF<br>PVT MK REM<br>(EACH) | PAVMT<br>MRKG REM<br>GRIND<br>(SQ FT) |  |         |        |
|----------------------------------|--------|---------|--------|------------------------------------|---------------------------------------|-----------------------------------|--------------------------|---------------------------|-------------------------------|-------------------------------------|-------------------------|------------------|--------------------------------------|--------------------------------------|--|--------------------------|---------------------------|-------------------------------|-------------------------------------|-------------------------|------------------|--------------------------------------|--------------------------------------|-----------------------------------|------------------------------------|---------------------------------------|--|---------|--------|
|                                  |        |         |        |                                    |                                       |                                   | SOLID<br>WHITE<br>(FOOT) | SOLID<br>YELLOW<br>(FOOT) | SKIP DASH<br>YELLOW<br>(FOOT) |                                     | WHITE<br>(FOOT)         | YELLOW<br>(FOOT) |                                      |                                      |  | SOLID<br>WHITE<br>(FOOT) | SOLID<br>YELLOW<br>(FOOT) | SKIP DASH<br>YELLOW<br>(FOOT) |                                     | WHITE<br>(FOOT)         | YELLOW<br>(FOOT) |                                      |                                      |                                   |                                    |                                       |  |         |        |
| IL 146                           |        |         |        |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 28+25                            | CNTR   | 32+30   | CNTR   |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  | 6       |        |
| 36+66                            | CNTR   | 42+06   | LT     | 52                                 | 18                                    |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 1082                      |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 361    |
| 36+66                            | RT     | 81+88   | RT     | 44                                 | 7                                     |                                   | 2,188                    |                           |                               |                                     | 5                       |                  |                                      |                                      |  |                          | 2,188                     |                               |                                     |                         | 5                |                                      |                                      |                                   |                                    |                                       |  |         | 735    |
| 36+66                            | LT     | 49+38   | LT     | 28                                 | 10                                    | 93.6                              | 1,272                    |                           |                               |                                     | 5                       | 127              |                                      |                                      | 93.6                                   | 1,272                    |                           |                               |                                     | 5                       | 127              |                                      |                                      |                                   |                                    |                                       |  |         | 649.6  |
| 36+66                            | CNTR   | 46+50   | CNTR   |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 36+92                            | CNTR   | 42+06   | LT     | 48                                 | 16                                    |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 1030                      |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 344    |
| 41+84                            | CNTR   | 42+98   | CNTR   |                                    |                                       |                                   | 114                      |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 114                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 38     |
| 41+84                            | CNTR   | 80+95   | LT     | 356                                | 119                                   |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 42+06                            | LT     | 81+78   | LT     | 364                                | 122                                   |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 4113                      |                               |                                     |                         |                  |                                      |                                      |                                   | 97                                 |                                       |  |         | 1371   |
| 42+06                            | LT     | 80+15   | LT     |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 420    |
| 43+11                            | CNTR   | 80+46   | CNTR   |                                    |                                       |                                   | 3,735                    | 934                       |                               |                                     |                         |                  |                                      |                                      |  |                          | 3735                      | 934                           |                                     |                         |                  |                                      |                                      |                                   | 95                                 | 18                                    |  |         | 1557   |
| 46+36                            | LT     | 46+59   | RT     |                                    |                                       |                                   |                          |                           | 58                            | 75                                  |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 104    |
| 50+21                            | LT     | 58+63   | LT     | 20                                 | 7                                     | 93.6                              | 842                      |                           |                               |                                     |                         |                  |                                      |                                      | 93.6                                   | 842                      |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 374.6  |
|                                  |        | 59+21   | LT     |                                    |                                       | 15.6                              |                          |                           |                               |                                     |                         |                  |                                      |                                      | 15.6                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 15.6   |
|                                  |        | 59+35   | LT     |                                    |                                       | 15.6                              |                          |                           |                               |                                     |                         |                  |                                      |                                      | 15.6                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 15.6   |
| 60+79                            | LT     | 81+78   | LT     | 40                                 | 14                                    | 218.4                             | 2,085                    |                           |                               |                                     |                         | 126              |                                      |                                      | 218.4                                  | 2,085                    |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 1039.4 |
| 61+00                            | CNTR   | 87+58   | CNTR   |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 34     |
| 69+97                            | RT     | 81+00   | RT     |                                    | 8                                     |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 80+46                            | LT/RT  | 81+79   | LT/RT  |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 171                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 57     |
| 81+55                            | RT     | 81+67   | RT     |                                    |                                       | 40.3                              |                          |                           |                               |                                     |                         |                  |                                      |                                      | 40.3                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 40.3   |
| 81+86                            | LT/RT  | 83+02   | LT/RT  |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 365                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 122    |
| 81+90                            | LT     | 82+20   | LT     |                                    |                                       | 43.3                              |                          |                           |                               |                                     |                         | 16               |                                      |                                      | 43.3                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      | 16                                |                                    |                                       |  |         | 67.3   |
| 82+64                            | RT     | 82+94   | RT     |                                    |                                       | 43.3                              |                          |                           |                               |                                     |                         | 16               |                                      |                                      | 43.3                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      | 16                                |                                    |                                       |  |         | 67.3   |
| 82+67                            | LT     | 87+58   | LT     | 8                                  | 3                                     | 43.3                              | 719                      | 108                       |                               |                                     |                         |                  | 38                                   |                                      | 43.3                                   | 719                      | 108                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 395.3  |
| 83+14                            | LT/RT  | 87+58   | LT/RT  | 8                                  | 3                                     |                                   | 518                      | 780                       |                               |                                     |                         |                  |                                      |                                      |  | 518                      | 780                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 433    |
| 83+40                            | LT/RT  | 83+56   | LT/RT  |                                    |                                       |                                   |                          |                           | 81                            | 100                                 |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         | 81               | 100                                  |                                      |                                   |                                    |                                       |  |         | 141    |
|                                  |        | 86+73   | LT     |                                    |                                       | 15.6                              |                          |                           |                               |                                     |                         |                  |                                      |                                      | 15.6                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 15.6   |
|                                  |        | 86+88   | LT     |                                    |                                       | 26.0                              |                          |                           |                               |                                     |                         |                  |                                      |                                      | 26.0                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 26     |
| RED BUD / OLD METROPOLIS         |        |         |        |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 296+98                           | LT     | 299+65  | LT     |                                    |                                       |                                   | 263                      |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 263                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 88     |
| 296+98                           | RT     | 299+30  | RT     |                                    |                                       |                                   | 274                      |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 274                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 92     |
| 296+98                           | LT     | 297+93  | LT     |                                    |                                       |                                   | 95                       |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 95                        |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 32     |
| 296+98                           | CNTR   | 298+53  | CNTR   | 16                                 | 6                                     |                                   |                          | 312                       |                               |                                     |                         |                  |                                      |                                      |  |                          | 312                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 104    |
| 297+91                           | CNTR   | 298+36  | LT     | 8                                  | 3                                     |                                   |                          | 90                        |                               |                                     |                         |                  |                                      |                                      |  |                          | 90                        |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 30     |
| 297+94                           | LT     | 298+34  | LT     |                                    |                                       |                                   |                          |                           |                               |                                     | 26                      |                  |                                      |                                      |  |                          |                           |                               |                                     |                         | 26               |                                      |                                      |                                   |                                    |                                       |  |         | 26     |
| 298+34                           | LT/RT  | 299+30  | LT/RT  |                                    |                                       |                                   |                          | 204                       |                               |                                     |                         |                  |                                      |                                      |  |                          | 204                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 68     |
| 298+79                           | LT     | 299+01  | RT     |                                    |                                       |                                   | 170                      |                           | 75                            |                                     |                         |                  | 100                                  |                                      |  |                          | 170                       |                               | 75                                  |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 295    |
| 299+84                           | LT     | 300+10  | LT     |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  | 14                                   |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      | 14                                |                                    |                                       |  |         | 21     |
| 299+85                           | RT     | 300+11  | RT     |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  | 14                                   |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      | 14                                |                                    |                                       |  |         | 21     |
| 300+79                           | LT/RT  | 301+31  | LT/RT  |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 300+91                           | RT     | 302+56  | RT     |                                    |                                       |                                   | 181                      |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 181                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 61     |
| 300+94                           | LT     | 302+56  | LT     |                                    |                                       |                                   | 156                      |                           |                               |                                     |                         |                  |                                      |                                      |  |                          | 156                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 52     |
| 301+30                           | CNTR   | 302+56  | CNTR   | 12                                 | 4                                     |                                   |                          | 252                       |                               |                                     |                         |                  |                                      |                                      |  |                          | 252                       |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         | 84     |
| STAGE 3 RUNAROUND                |        |         |        |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 1000+00                          | CNTR   | 1007+35 | CNTR   |                                    |                                       |                                   |                          | 735                       |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 1000+00                          | LT     | 1007+12 | LT     |                                    |                                       |                                   |                          | 291                       |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 1000+84                          | LT     | 1001+35 | LT     |                                    |                                       |                                   |                          | 57                        |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 1005+35                          | CNTR   | 1007+02 | LT     |                                    |                                       |                                   |                          | 204                       |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| STAGE 3 RED BUD / OLD METROPOLIS |        |         |        |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 296+30                           | LT     | 298+90  | RT     |                                    |                                       |                                   |                          | 142                       |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 296+32                           | LT     | 298+87  | LT     |                                    |                                       |                                   |                          | 270                       |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| STAGE 4 RED BUD / OLD METROPOLIS |        |         |        |                                    |                                       |                                   |                          |                           |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 297+11                           | LT     | 297+92  | LT     |                                    |                                       |                                   |                          | 81                        |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 297+13                           | RT     | 299+19  | RT     |                                    |                                       |                                   |                          | 220                       |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| 297+31                           | LT     | 299+35  | LT     |                                    |                                       |                                   |                          | 200                       |                               |                                     |                         |                  |                                      |                                      |  |                          |                           |                               |                                     |                         |                  |                                      |                                      |                                   |                                    |                                       |  |         |        |
| SUBTOTAL                         |        |         |        | 1,004                              | 340                                   | 648.6                             | 8,707                    | 14,612                    | 1,887                         | 214                                 | 185                     | 279              | 60                                   | 189                                  | 648.6                                  | 8,707                    | 12,412                    | 1,887                         | 214                                 | 185                     | 279              | 60                                   | 189                                  | 192                               | 71                                 |                                       |  | 9,363.6 |        |
| TOTAL                            |        |         |        | 1,004                              | 340                                   | 649                               |                          | 25,206                    |                               | 214                                 | 464                     |                  | 60                                   | 189                                  | 649                                    |                          | 23,006                    |                               | 214                                 | 464                     |                  | 60                                   | 189                                  | 192                               | 71                                 |                                       |  | 9,364   |        |

**PAVEMENT PATCHING SCHEDULE**

| STATION                  | STATION | OFFSET | CL C<br>PATCH<br>T2 16 | CL C<br>PATCH<br>T3 16 | CL C<br>PATCH<br>T4 16 |
|--------------------------|---------|--------|------------------------|------------------------|------------------------|
|                          |         |        | (SQ YD)                | (SQ YD)                | (SQ YD)                |
| IL 146                   |         |        |                        |                        |                        |
| 47+51                    | 47+61   | LT/RT  |                        |                        | 29                     |
| 57+35                    | 57+42   | LT/RT  | 20                     |                        |                        |
| 82+15                    | 82+75   | LT/RT  | 15                     |                        |                        |
| IDOT PROVIDED QUANTITIES |         |        | 240                    | 32                     | 25                     |
| TOTAL                    |         |        | 275                    | 32                     | 54                     |

**LANDSCAPING  
GRAVEL SCHEDULE**

| STATION | STATION | OFFSET | WEED<br>BARRIER<br>FABRIC | LANDSCAPING<br>GRAVEL |
|---------|---------|--------|---------------------------|-----------------------|
|         |         |        | (SQ YD)                   | (SQ YD)               |
| IL 146  |         |        |                           |                       |
| 81+89   | 83+00   | LT/RT  | 513                       | 513                   |
| TOTAL   |         |        | 513                       | 513                   |

**SURVEY MARKERS SCHEDULE**

| STATION                  | OFFSET | PERM SURV<br>MKRS T2 |
|--------------------------|--------|----------------------|
|                          |        | (EACH)               |
| IL 146                   |        |                      |
| IDOT PROVIDED QUANTITIES |        | 4                    |
| TOTAL                    |        | 4                    |

MODEL: Default; FILE NAME: I:\02\20088-017-IL\_146\_Phase\_IL\CADD\Microstation\CADD\_Drawing\09220088\_017\_sht-schedule.dgn



USER NAME = rjns,witjes  
 PLOT SCALE = 2,000' / in.  
 PLOT DATE = 3/27/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

**STORM SEWER SCHEDULE**

| STATION                         | STATION | O/S | TRENCH BACKFILL | INLET & PIPE PROTECT | PRC FLAR END SEC 15 | STORM SEW CL A 1 15 | STORM SEW CL A 1 18 | STORM SEW CL A 1 24 | STORM SEW CL A 2 12 | STORM SEW CL A 2 15 | STORM SEW CL A 2 18 | STORM SEW CL A 2 24 | MAN TA 4 DIA T3F&G | MAN TA 5 DIA T3F&G | MAN TA 7 DIA T1F CL | MAN TA 8 DIA T3F&G | INLETS TA T8G | INLETS TB T3F&G | INLETS TB T8G | INLETS TB T9F&G | INLETS TB T24F&G |
|---------------------------------|---------|-----|-----------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|--------------------|---------------|-----------------|---------------|-----------------|------------------|
|                                 |         |     | (CU YD)         | (EACH)               | (EACH)              | (FOOT)              | (FOOT)              | (FOOT)              | (FOOT)              | (FOOT)              | (FOOT)              | (FOOT)              | (EACH)             | (EACH)             | (EACH)              | (EACH)             | (EACH)        | (EACH)          | (EACH)        | (EACH)          | (EACH)           |
| <b>IL 146</b>                   |         |     |                 |                      |                     |                     |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               |                 |                  |
| 46+65                           | 47+30   | RT  | 14              | 1                    |                     | 64                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               | 1               |               |                 |                  |
| 47+30                           | 47+47   | RT  | 6               | 1                    |                     |                     |                     |                     |                     | 34                  |                     |                     |                    |                    |                     |                    |               | 1               |               |                 |                  |
| 47+56                           | 48+39   | RT  | 19              | 1                    |                     |                     |                     | 82                  |                     |                     |                     |                     |                    |                    |                     |                    |               | 1               |               |                 |                  |
| 47+57                           | 47+81   | LT  | 8               | 1                    |                     |                     |                     | 30                  |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               | 1               |                  |
| 47+81                           | 49+69   | LT  | 58              |                      |                     |                     |                     |                     |                     |                     | 194                 |                     |                    |                    | 1                   |                    |               |                 |               |                 |                  |
| 48+39                           | 49+23   | RT  | 26              | 1                    |                     |                     |                     |                     |                     | 83                  |                     |                     |                    |                    |                     |                    |               | 1               |               |                 |                  |
| 49+23                           | 49+69   | RT  | 15              | 1                    |                     |                     |                     |                     |                     | 46                  |                     |                     |                    |                    |                     |                    |               | 1               |               |                 |                  |
| 49+69                           | 50+18   | LT  | 12              | 1                    |                     |                     |                     |                     | 51                  |                     |                     |                     |                    |                    |                     |                    |               |                 |               | 1               |                  |
| 49+69                           | 50+26   | RT  | 17              | 1                    |                     |                     |                     |                     |                     | 57                  |                     |                     |                    |                    |                     |                    |               | 1               |               |                 |                  |
| 49+82                           | 50+18   | LT  | 1               | 1                    |                     | 36                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               |                 |                  |
| 50+18                           | 51+08   | LT  | 20              | 1                    |                     | 94                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               | 1               |                  |
| 50+26                           | 50+93   | RT  | 19              | 2                    |                     |                     | 66                  |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 50+93                           | 51+24   | RT  | 7               | 2                    |                     | 31                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 51+08                           | 52+00   | LT  | 40              | 1                    |                     | 95                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    | 1             |                 |               |                 |                  |
| 51+24                           | 52+04   | RT  | 17              | 1                    |                     | 79                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 52+04                           | 52+86   | RT  | 14              | 1                    |                     | 81                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 52+86                           | 53+56   | RT  | 8               | 1                    |                     | 69                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 53+57                           | 54+96   | LT  | 17              | 1                    |                     | 142                 |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    | 1             |                 |               |                 |                  |
| 54+96                           | 56+50   | LT  | 17              | 1                    |                     | 155                 |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 55+79                           | 56+59   | RT  | 11              | 1                    |                     |                     |                     |                     |                     | 80                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 56+59                           | 57+39   | RT  | 24              | 1                    |                     |                     |                     |                     |                     | 80                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 57+39                           | 57+81   | RT  | 28              | 1                    |                     |                     |                     |                     |                     |                     | 42                  |                     |                    |                    |                     | 1                  |               |                 |               |                 |                  |
| 57+81                           | 58+61   | RT  | 29              | 1                    |                     |                     |                     |                     |                     |                     | 80                  |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 58+61                           | 58+62   | RT  | 51              | 1                    |                     |                     |                     | 20                  |                     |                     |                     | 1                   |                    |                    |                     |                    | 1             |                 |               |                 |                  |
| 58+61                           | 59+41   | RT  | 11              | 1                    |                     |                     |                     |                     |                     |                     | 80                  |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 59+41                           | 60+21   | RT  | 31              | 1                    |                     |                     |                     |                     |                     | 80                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 60+21                           | 61+02   | RT  | 29              | 1                    |                     |                     |                     |                     |                     | 80                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 61+01                           | 61+11   | RT  | 27              | 1                    |                     |                     |                     | 26                  |                     |                     |                     |                     | 1                  |                    |                     |                    | 1             |                 |               |                 |                  |
| 61+02                           | 61+57   | RT  | 10              | 1                    |                     |                     |                     |                     | 56                  |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 61+57                           | 62+13   | RT  | 16              | 1                    |                     | 56                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 62+13                           | 62+93   | RT  | 21              | 2                    |                     | 80                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 62+93                           | 63+73   | RT  | 19              | 1                    |                     | 80                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 64+53                           | 65+07   | RT  | 7               | 1                    |                     | 55                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               |                 | 1                |
| 65+07                           | 65+62   | RT  | 9               | 1                    |                     | 55                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 | 1                |
| 65+62                           | 66+43   | RT  | 15              | 1                    |                     | 80                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 66+43                           | 66+91   | RT  | 11              | 1                    |                     | 49                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 66+91                           | 67+39   | RT  | 12              |                      |                     | 48                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               |                 |                  |
| 67+39                           | 68+19   | RT  | 24              | 1                    |                     |                     |                     |                     |                     | 80                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 68+19                           | 68+74   | RT  | 20              | 1                    |                     |                     |                     |                     |                     | 56                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 68+74                           | 69+16   | RT  | 16              | 1                    |                     |                     |                     |                     |                     | 42                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 69+16                           | 69+16   | RT  | 14              | 1                    |                     |                     |                     |                     |                     | 27                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 82+16                           | 82+25   | RT  | 8               | 1                    |                     |                     |                     |                     |                     | 9                   |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 82+35                           | 82+86   | RT  | 43              |                      |                     |                     |                     |                     |                     | 51                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 82+37                           | 82+69   | LT  | 20              | 1                    |                     |                     |                     |                     |                     | 32                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| <b>RED BUD / OLD METROPOLIS</b> |         |     |                 |                      |                     |                     |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               |                 |                  |
| 299+27                          | 299+81  | RT  | 10              | 1                    |                     |                     |                     |                     |                     | 57                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 299+81                          | 300+31  | RT  | 20              | 1                    | 1                   |                     |                     |                     |                     | 55                  |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| 301+96                          | 302+01  | RT  | 3               | 1                    |                     | 15                  |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 | 1             |                 |                  |
| <b>PARK ST</b>                  |         |     |                 |                      |                     |                     |                     |                     |                     |                     |                     |                     |                    |                    |                     |                    |               |                 |               |                 |                  |
| 10+43                           | 11+32   | LT  | 23              | 1                    |                     |                     |                     |                     |                     | 89                  |                     |                     |                    |                    |                     |                    | 1             |                 | 1             |                 |                  |
| <b>SUBTOTAL</b>                 |         |     | 897             | 48                   | 1                   | 1,364               | 66                  | 112                 | 46                  | 710                 | 435                 | 396                 | 1                  | 1                  | 1                   | 1                  | 5             | 35              | 1             | 3               | 2                |
| <b>TOTAL</b>                    |         |     | 1,662           | 65                   | 6                   | 1,364               | 66                  | 112                 | 46                  | 710                 | 435                 | 396                 | 1                  | 1                  | 2                   | 1                  | 7             | 35              | 3             | 3               | 2                |

**EARTHWORK SCHEDULE**

| STATION                                    | STATION | EARTH EXCAVATION | AVERAGE SHRINKAGE FACTOR | EARTH EXCAVATION (ADJUSTED) | EMBANKMENT | EARTHWORK BALANCE               |                   | FURNISHED EXCAVATION | REMARKS |
|--|---------|------------------|--------------------------|-----------------------------|------------|---------------------------------|-------------------|----------------------|---------|
|  |         |                  |                          |                             |            | EXCAVATION REQUIRED TO COMPLETE | EXCESS EXCAVATION |                      |         |
|  |         | (CU YD)          | (%)                      | (CU YD)                     | (CU YD)    | (CU YD)                         | (CU YD)           | (CU YD)              |         |
| <b>IL 146 (WITH PARK &amp; INDUSTRIAL)</b> |         |                  |                          |                             |            |                                 |                   |                      |         |
| 36+50                                      | 85+50   | 15845            | 25                       | 11885                       | 12160      | -275                            | 0                 | 275                  |         |
| <b>RED BUD / OLD METROPOLIS</b>            |         |                  |                          |                             |            |                                 |                   |                      |         |
| 293+00                                     | 304+00  | 1585             | 25                       | 1190                        | 1445       | -255                            | 0                 | 255                  |         |
| <b>RUNAROUND</b>                           |         |                  |                          |                             |            |                                 |                   |                      |         |
| 1000+25                                    | 1006+50 | 85               | 25                       | 65                          | 1475       | -1410                           | 0                 | 1410                 |         |
| <b>TOTAL</b>                               |         | 17,515           |                          |                             |            |                                 |                   | 1,940                |         |

MODEL: Default  
 FILE NAME: I:\0220088 - IDOT\_PTB\_P&E\_Item 61220088.017 - IL 146 Phase II\CADD\Microstation\CADD Drawings\09220088.017-stb-schedule.dgn



|                            |            |           |
|----------------------------|------------|-----------|
| USER NAME = roshan.pokhrel | DESIGNED - | REVISED - |
| PLOT SCALE = 2,000' / in.  | DRAWN -    | REVISED - |
| PLOT DATE = 4/11/2023      | CHECKED -  | REVISED - |
|                            | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|                  |         |             |              |
|------------------|---------|-------------|--------------|
| <b>SCHEDULES</b> |         |             |              |
| SCALE:           | SHEET 5 | OF 6 SHEETS | STA. TO STA. |

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-2) | JOHNSON | 159          | 30        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

**EROSION SCHEDULE**

| STATION                         | STATION | O/S | EROSION CONTR BLANKET (SQ YD) | TEMP DITCH CHECKS (FOOT) | PERIMETER EROS BAR (FOOT) |
|---------------------------------|---------|-----|-------------------------------|--------------------------|---------------------------|
| <b>IL 146</b>                   |         |     |                               |                          |                           |
| 36+08.                          | 40+39.  | LT  |                               | 40                       |                           |
| 36+47.                          | 46+62.  | RT  |                               |                          | 1050                      |
| 40+39.                          | 42+77.  | LT  |                               | 30                       |                           |
| 43+41.                          | 44+99.  | LT  |                               | 30                       |                           |
| 44+99.                          | 45+84.  | LT  |                               | 10                       |                           |
| 45+88.                          | 47+19.  | LT  |                               |                          | 60                        |
| 46+34.                          | 47+05.  | LT  |                               |                          | 116                       |
| 46+76.                          | 47+48.  | RT  |                               |                          | 86                        |
| 47+30                           | 47+61   | LT  | 206                           |                          |                           |
| 47+38                           | 47+54   | LT  |                               | 8                        |                           |
| 47+61                           | 49+51   | LT  | 241                           |                          |                           |
| 47+68                           | 47+98   | RT  |                               |                          | 55                        |
| 49+08                           | 50+41   | RT  |                               |                          | 137                       |
| 50+16                           | 51+60   | LT  | 259                           |                          |                           |
| 50+79                           | 51+28   | RT  |                               |                          | 51                        |
| 52+42                           | 53+16   | RT  |                               |                          | 85                        |
| 53+38                           | 53+79   | RT  |                               |                          | 49                        |
| 54+04                           | 54+63   | RT  |                               |                          | 65                        |
| 56+31                           | 56+48   | RT  |                               |                          | 28                        |
| 56+48                           | 57+41   | RT  |                               | 9                        |                           |
| 56+50                           | 57+37   | LT  |                               | 20                       |                           |
| 57+37                           | 59+81   | LT  |                               | 30                       |                           |
| 57+41                           | 57+70   | RT  |                               | 9                        |                           |
| 58+00                           | 59+75   | LT  | 614                           |                          |                           |
| 58+62                           | 60+00   | RT  |                               | 9                        |                           |
| 60+29                           | 63+50   | LT  |                               | 30                       |                           |
| 60+69                           | 60+96   | RT  |                               |                          | 31                        |
| 62+00                           | 62+29   | RT  |                               |                          | 30                        |
| 62+53                           | 63+40   | RT  |                               |                          | 92                        |
| 63+50                           | 69+84   | LT  |                               | 60                       |                           |
| 66+50                           | 67+00   | RT  |                               | 9                        |                           |
| 68+48                           | 69+36   | RT  |                               | 36                       |                           |
| 68+90                           | 70+15   | RT  | 859                           |                          |                           |
| 69+84                           | 72+50   | LT  |                               | 30                       |                           |
| 73+30                           | 74+35   | LT  |                               | 30                       |                           |
| 74+35                           | 75+44   | LT  |                               | 20                       |                           |
| 76+80                           | 77+82   | LT  |                               | 10                       |                           |
| 70+60                           | 77+15   | RT  |                               | 105                      |                           |
| 77+15                           | 81+00   | RT  |                               | 60                       |                           |
| 80+69                           | 81+82   | LT  |                               |                          | 132                       |
| 83+36                           | 83+94   | LT  |                               | 10                       |                           |
| 83+73                           | 84+95   | RT  |                               |                          | 157                       |
| <b>RED BUD / OLD METROPOLIS</b> |         |     |                               |                          |                           |
| 292+85                          | 293+92  | LT  |                               | 13                       |                           |
| 297+66                          | 298+09  | RT  |                               |                          | 50                        |
| 301+78                          | 303+39  | LT  |                               | 20                       |                           |
| 302+81                          | 303+27  | RT  |                               | 10                       |                           |
| <b>SHARED-USE PATH</b>          |         |     |                               |                          |                           |
| 524+10                          | 525+00  | RT  |                               | 9                        |                           |
| <b>RUNAROUND</b>                |         |     |                               |                          |                           |
| 1000+72                         | 1003+62 | RT  | 412                           |                          | 249                       |
| 1001+50                         | 1003+57 | LT  | 191                           |                          | 179                       |
| 1003+24                         | 1003+62 | RT  |                               |                          | 51                        |
| 1004+00                         | 1005+53 | LT  | 103                           |                          | 121                       |
| 1004+12                         | 1006+26 | RT  | 305                           |                          | 200                       |
| <b>TOTAL</b>                    |         |     | <b>3,190</b>                  | <b>647</b>               | <b>3,074</b>              |

**SIDEWALK SCHEDULE**

| STATION         | STATION | OFFSET | PROTECTIVE COAT (SQ YD) | PCC DRIVEWAY PAVT 9 (SQ YD) | PC CONC SIDEWALK 5 (SQ FT) | DETECTABLE WARNINGS (SQ FT) |
|-----------------|---------|--------|-------------------------|-----------------------------|----------------------------|-----------------------------|
| <b>IL 146</b>   |         |        |                         |                             |                            |                             |
| 46+22           | 46+45   | LT     | 34                      |                             | 300                        | 22                          |
| 46+40           | 46+55   | LT     | 12                      |                             | 103                        | 44                          |
| 46+51           | 47+98   | RT     | 186                     |                             | 1,671                      | 22                          |
| 48+22           | 48+82   | RT     | 54                      |                             | 485                        |                             |
| 49+06           | 50+44   | RT     | 139                     |                             | 1,250                      |                             |
| 50+76           | 52+21   | RT     | 147                     |                             | 1,320                      |                             |
| 52+39           | 53+18   | RT     | 75                      |                             | 675                        |                             |
| 53+36           | 53+79   | RT     | 36                      |                             | 320                        |                             |
| 54+04           | 54+64   | RT     | 56                      |                             | 498                        |                             |
| 54+87           | 56+14   | RT     | 130                     |                             | 1,162                      |                             |
| 56+32           | 58+00   | RT     | 176                     |                             | 1,578                      |                             |
| 58+35           | 60+40   | RT     | 217                     |                             | 1,948                      |                             |
| 60+68           | 61+79   | RT     | 113                     |                             | 1,009                      |                             |
| 61+95           | 62+30   | RT     | 28                      |                             | 249                        |                             |
| 62+46           | 64+21   | RT     | 184                     |                             | 1,649                      |                             |
| 64+47           | 65+73   | RT     | 129                     |                             | 1,159                      |                             |
| 65+97           | 67+55   | RT     | 166                     |                             | 1,493                      |                             |
| 68+03           | 70+26   | RT     | 252                     |                             | 2,261                      |                             |
| 70+53           | 71+63   | RT     | 127                     |                             | 1,138                      |                             |
| 71+87           | 72+51   | RT     | 70                      |                             | 623                        |                             |
| 72+76           | 74+23   | RT     | 162                     |                             | 1,455                      |                             |
| 74+47           | 77+93   | RT     | 384                     |                             | 3,448                      |                             |
| 78+29           | 81+91   | RT     | 401                     |                             | 3,602                      |                             |
| 81+81           | 81+89   | LT     | 24                      |                             | 212                        |                             |
| 81+91           | 82+28   | RT     | 52                      |                             | 467                        | 20                          |
| 82+13           | 83+50   | LT     | 252                     |                             | 2,263                      |                             |
| 82+43           | 82+58   | RT     | 15                      |                             | 129                        | 40                          |
| 82+86           | 82+96   | RT     | 13                      |                             | 117                        | 20                          |
| 82+96           | 83+55   | RT     | 76                      |                             | 683                        | 20                          |
| 83+36           | 83+50   | RT     | 19                      | 19                          |                            | 20                          |
| 83+46           | 83+58   | LT     | 11                      |                             | 92                         | 20                          |
| 83+46           | 83+60   | RT     | 26                      |                             | 232                        | 20                          |
| 83+56           | 84+50   | LT     | 93                      |                             | 832                        |                             |
| 83+56           | 84+82   | RT     | 121                     |                             | 1,084                      |                             |
| <b>SUBTOTAL</b> |         |        | <b>3,980</b>            | <b>19</b>                   | <b>35,507</b>              | <b>248</b>                  |
| <b>TOTAL</b>    |         |        | <b>13,612</b>           | <b>19</b>                   | <b>35,507</b>              | <b>248</b>                  |

**TREE REMOVAL SCHEDULE**

| STATION       | O/S | TREE REMOV 6-15 (UNIT) | TREE REMOV OVER 15 (UNIT) |
|---------------|-----|------------------------|---------------------------|
| <b>IL 146</b> |     |                        |                           |
| 38+35         | LT  |                        | 30                        |
| 38+53         | LT  |                        | 30                        |
| 38+72         | LT  |                        | 30                        |
| 55+55         | LT  | 7                      |                           |
| 55+74         | LT  | 10                     |                           |
| 58+47         | RT  |                        | 20                        |
| 58+92         | RT  |                        | 22                        |
| 59+10         | RT  |                        | 23                        |
| 69+87         | RT  | 10                     |                           |
| 69+87         | RT  | 7                      |                           |
| 69+87         | RT  |                        | 29                        |
| 69+87         | RT  |                        | 20                        |
| <b>TOTAL</b>  |     | <b>34</b>              | <b>204</b>                |

**REMOVAL SCHEDULE**

| STATION                         | STATION | OFFSET | PAVEMENT REM (SQ YD) | HMA SURF REM 1/2 (SQ YD) | HMA SURF REM 1 1/2 (SQ YD) | DRIVE PAVEMENT REM (SQ YD) | MEDIAN REMOVAL (SQ FT) | PAVED DITCH REMOVAL (FOOT) | PAVED SHLD REMOVAL (SQ YD) |
|---------------------------------|---------|--------|----------------------|--------------------------|----------------------------|----------------------------|------------------------|----------------------------|----------------------------|
| <b>IL 146</b>                   |         |        |                      |                          |                            |                            |                        |                            |                            |
| 28+25                           | 32+30   | LT/RT  |                      |                          | 1,431                      |                            |                        |                            |                            |
| 36+66                           | 80+67   | LT/RT  |                      |                          | 12,286                     |                            |                        |                            |                            |
| 42+79                           | 43+49   | LT     |                      |                          |                            | 184                        |                        |                            |                            |
| 46+93                           | 47+53   | LT     |                      |                          |                            | 224                        |                        |                            |                            |
| 47+51                           | 47+61   | LT/RT  | 29                   |                          |                            |                            |                        |                            |                            |
| 47+61                           | 49+52   | LT     |                      |                          |                            | 311                        |                        |                            |                            |
| 47+87                           | 48+79   | RT     |                      |                          |                            | 93                         |                        |                            |                            |
| 48+71                           | 49+44   | RT     |                      |                          |                            | 96                         |                        |                            |                            |
| 49+49                           | 50+15   | LT/RT  | 58                   |                          |                            |                            |                        |                            |                            |
| 50+26                           | 50+97   | RT     |                      |                          |                            | 149                        |                        |                            |                            |
| 50+91                           | 52+12   | LT     |                      |                          |                            | 144                        |                        |                            |                            |
| 52+14                           | 52+53   | RT     |                      |                          |                            | 36                         |                        |                            |                            |
| 52+74                           | 53+04   | LT     |                      |                          |                            | 50                         |                        |                            |                            |
| 53+23                           | 54+88   | RT     |                      |                          |                            | 322                        |                        |                            |                            |
| 53+40                           | 53+88   | LT     |                      |                          |                            | 27                         |                        |                            |                            |
| 57+35                           | 57+42   | LT/RT  | 20                   |                          |                            |                            |                        |                            |                            |
| 57+69                           | 58+84   | LT     | 102                  |                          |                            |                            |                        |                            |                            |
| 57+79                           | 59+22   | RT     |                      |                          |                            | 304                        |                        |                            |                            |
| 60+26                           | 60+87   | RT     |                      |                          |                            | 109                        |                        |                            |                            |
| 61+59                           | 62+02   | RT     |                      |                          |                            | 69                         |                        |                            |                            |
| 62+15                           | 62+57   | RT     |                      |                          |                            | 74                         |                        |                            |                            |
| 64+12                           | 64+43   | RT     |                      |                          |                            | 26                         |                        |                            |                            |
| 65+56                           | 65+93   | LT     |                      |                          |                            | 102                        |                        |                            |                            |
| 65+87                           | 66+26   | RT     |                      |                          |                            | 40                         |                        |                            |                            |
| 66+55                           | 66+94   | RT     |                      |                          |                            | 29                         |                        |                            |                            |
| 67+32                           | 82+03   | LT     |                      |                          |                            |                            |                        |                            | 1,651                      |
| 67+51                           | 68+02   | RT     |                      |                          |                            | 156                        |                        |                            |                            |
| 67+96                           | 70+79   | RT     |                      |                          |                            |                            |                        |                            | 246                        |
| 68+66                           | 69+11   | LT     |                      |                          |                            | 129                        |                        |                            |                            |
| 69+24                           | 69+64   | LT     |                      |                          |                            | 100                        |                        |                            |                            |
| 69+97                           | 81+00   | RT     |                      | 1,202                    |                            |                            |                        |                            |                            |
| 70+17                           | 70+53   | RT     |                      |                          |                            | 204                        |                        |                            |                            |
| 70+79                           | 71+70   | LT     |                      |                          |                            | 247                        |                        |                            |                            |
| 71+59                           | 71+92   | RT     |                      |                          |                            | 240                        |                        |                            |                            |
| 72+44                           | 73+34   | LT     |                      |                          |                            | 217                        |                        |                            |                            |
| 72+46                           | 72+85   | RT     |                      |                          |                            | 253                        |                        |                            |                            |
| 74+12                           | 74+54   | RT     |                      |                          |                            | 235                        |                        |                            |                            |
| 74+33                           | 75+84   | LT     |                      |                          |                            |                            |                        | 151                        |                            |
| 75+83                           | 76+60   | LT     |                      |                          |                            | 210                        |                        |                            |                            |
| 77+76                           | 78+48   | RT     |                      |                          |                            | 358                        |                        |                            |                            |
| 78+00                           | 78+30   | LT     |                      |                          |                            |                            |                        | 30                         |                            |
| 78+36                           | 78+98   | LT     |                      |                          |                            | 217                        |                        |                            |                            |
| 79+31                           | 79+94   | LT     |                      |                          |                            | 209                        |                        |                            |                            |
| 80+67                           | 84+83   | LT/RT  | 3,528                |                          |                            |                            |                        |                            |                            |
| 80+74                           | 82+32   | RT     |                      |                          |                            |                            |                        |                            | 171                        |
| 82+35                           | 84+50   | LT     |                      |                          |                            |                            |                        |                            | 222                        |
| 82+98                           | 83+98   | LT     |                      |                          |                            |                            |                        | 100                        |                            |
| 83+22                           | 84+82   | RT     |                      |                          |                            |                            |                        |                            | 169                        |
| 84+33                           | 87+58   | LT/RT  |                      |                          | 1,912                      |                            | 2,102                  |                            |                            |
| 84+50                           | 86+81   | LT     |                      |                          | 269                        |                            |                        |                            |                            |
| 84+82                           | 86+85   | RT     |                      |                          | 237                        |                            |                        |                            |                            |
| 86+96                           | 87+58   | LT     |                      |                          | 113                        |                            |                        |                            |                            |
| 86+97                           | 87+58   | RT     |                      |                          | 95                         |                            |                        |                            |                            |
| <b>RED BUD / OLD METROPOLIS</b> |         |        |                      |                          |                            |                            |                        |                            |                            |
| 297+21                          | 298+71  | RT     |                      |                          |                            | 274                        |                        |                            |                            |
| <b>INDUSTRIAL DR</b>            |         |        |                      |                          |                            |                            |                        |                            |                            |
| 20+13                           | 21+63   | LT/RT  | 863                  |                          |                            |                            |                        |                            |                            |
| 21+29                           | 21+81   | LT     |                      |                          |                            | 39                         |                        |                            |                            |
| <b>TOTAL</b>                    |         |        | <b>4,600</b>         | <b>1,202</b>             | <b>16,343</b>              | <b>5,477</b>               | <b>2,102</b>           | <b>281</b>                 | <b>2,459</b>               |

MODEL: Default; FILE NAME: I:\2008\2008 - IDOT - ILL 146 Phase II\CADD\Microstation\CADD Drawings\0922008\0174-ht-erosion.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = rjnw,wrjjes     | DESIGNED - | REVISED - |
| DRAWN -                     | REVISED -  |           |
| PLOT SCALE = 2,0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

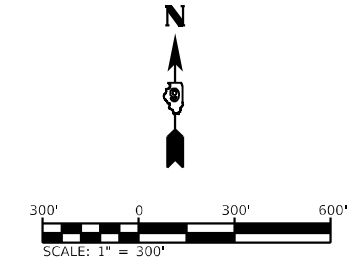
|                  |         |      |                     |
|------------------|---------|------|---------------------|
| <b>SCHEDULES</b> |         |      |                     |
| SCALE:           | SHEET 6 | OF 6 | SHEETS STA. TO STA. |

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-2) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 31 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

| DESCRIPTION      | NORTHING   | EASTING    |
|------------------|------------|------------|
| PR IL ROUTE 146  |            |            |
| PI STA. 23+21.76 | 273,057.68 | 821,224.20 |
| PC STA. 28+43.03 | 273,050.29 | 821,745.41 |
| PI STA. 33+24.97 | 273,043.46 | 822,227.30 |
| PI STA. 37+98.03 | 273,194.12 | 822,685.09 |
| PC STA. 47+59.94 | 273,494.83 | 823,598.78 |
| PI STA. 50+96.31 | 273,599.98 | 823,918.29 |
| PT STA. 54+20.77 | 273,552.34 | 824,251.27 |
| PI STA. 60+79.89 | 273,459.00 | 824,903.75 |
| PC STA. 67+39.84 | 273,364.98 | 825,556.96 |
| PI STA. 71+50.02 | 273,306.55 | 825,962.97 |
| PT STA. 75+60.17 | 273,238.55 | 826,367.47 |
| PT STA. 88+00.00 | 273,033.01 | 827,590.15 |

| DESCRIPTION       | NORTHING   | EASTING    |
|-------------------|------------|------------|
| PARK STREET       |            |            |
| POT STA. 10+00.00 | 273,547.21 | 823,811.27 |
| POT STA. 12+29.03 | 273,776.23 | 823,809.41 |
| INDUSTRIAL DRIVE  |            |            |
| POT STA. 20+00.00 | 273,469.20 | 824,832.42 |
| POT STA. 22+50.29 | 273,718.57 | 824,853.98 |

| DESCRIPTION                     | NORTHING   | EASTING    |
|---------------------------------|------------|------------|
| INDUSTRIAL DRIVE / RED BUD LANE |            |            |
| POT STA. 291+98.17              | 272,327.49 | 827,041.09 |
| POT STA. 295+47.05              | 272,676.36 | 827,043.50 |
| PC STA. 297+89.38               | 272,918.69 | 827,045.18 |
| PI STA. 298+21.42               | 272,950.73 | 827,045.40 |
| PRC STA. 298+53.22              | 272,982.09 | 827,038.85 |
| PI STA. 298+87.53               | 273,015.68 | 827,031.83 |
| PT STA. 299+18.78               | 273,045.41 | 827,048.96 |
| PC STA. 300+68.68               | 273,193.89 | 827,028.37 |
| PI STA. 301+10.46               | 273,230.77 | 827,048.00 |
| PRC STA. 301+48.54              | 273,271.38 | 827,038.20 |
| PI STA. 301+96.14               | 273,317.66 | 827,027.03 |
| PT STA. 302+43.30               | 273,365.26 | 827,027.03 |
| POT STA. 303+53.98              | 273,475.94 | 827,027.03 |



PROP. CURVE PR\_IL\_RT\_146\_12  
 PI STA. = 50+96.31  
 $\Delta = 26^\circ 21' 31''$  (RT)  
 $D = 3^\circ 59' 19''$   
 $R = 1,436.45'$   
 $T = 336.37'$   
 $L = 660.83'$   
 $E = 38.86'$   
 $e = 6\%$   
 P.C. STA. = 47+59.94  
 P.T. STA. = 54+20.77

PROP. CURVE PR\_IL\_RT\_146\_17  
 PI STA. = 71+50.02  
 $\Delta = 1^\circ 21' 09''$  (RT)  
 $D = 0^\circ 09' 54''$   
 $R = 34,751.65'$   
 $T = 410.18'$   
 $L = 820.33'$   
 $E = 2.42'$   
 P.C. STA. = 67+39.84  
 P.T. STA. = 75+60.17

PROP. CURVE PR\_IL\_RT\_146\_9  
 PI STA. = 33+24.97  
 $\Delta = 19^\circ 01' 45''$  (LT)  
 $D = 1^\circ 59' 33''$   
 $R = 2,875.46'$   
 $T = 481.94'$   
 $L = 955.00'$   
 $E = 40.11'$   
 $e = 6\%$   
 P.C. STA. = 28+43.03  
 P.T. STA. = 37+98.03

CP #31505  
 STA. 54+72.99  
 30.49' RT

CP #1503  
 STA. 59+47.91  
 44.44' LT

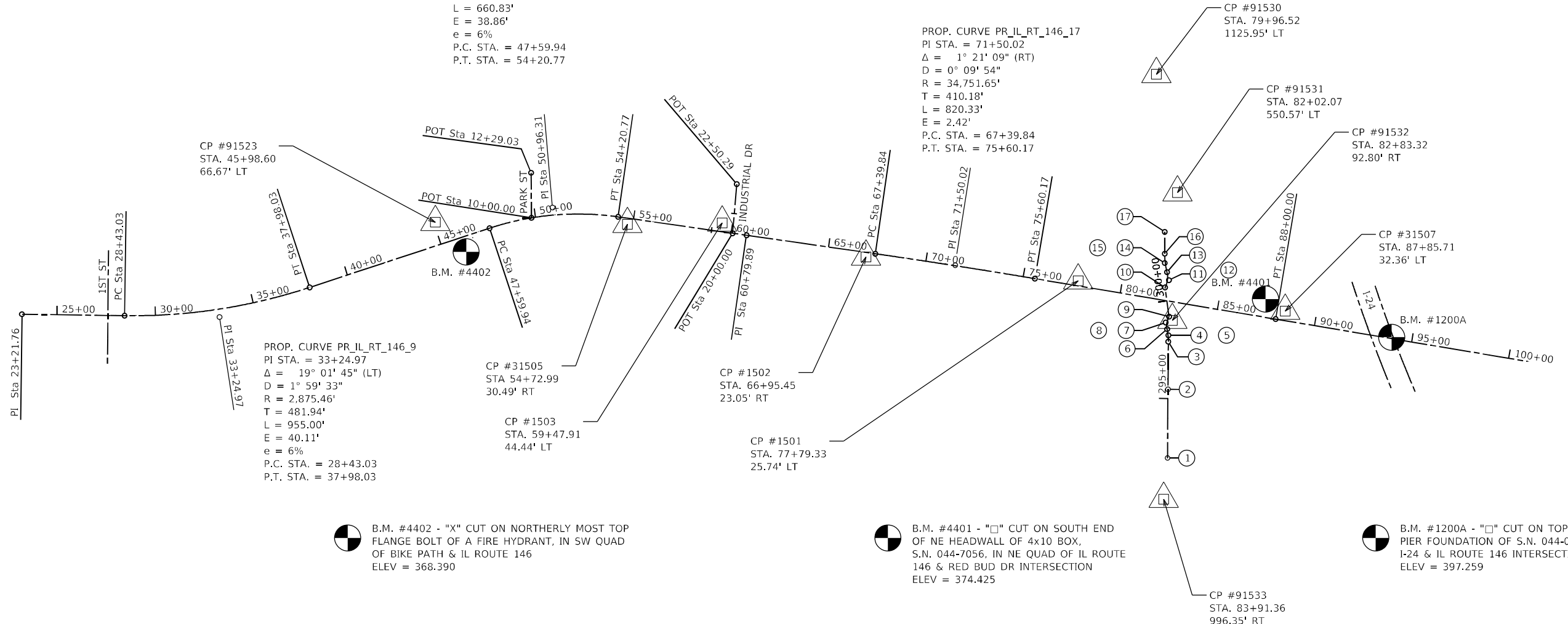
CP #1502  
 STA. 66+95.45  
 23.05' RT

CP #1501  
 STA. 77+79.33  
 25.74' LT

B.M. #4402 - "X" CUT ON NORTHERLY MOST TOP FLANGE BOLT OF A FIRE HYDRANT, IN SW QUAD OF BIKE PATH & IL ROUTE 146  
 ELEV = 368.390

B.M. #4401 - "□" CUT ON SOUTH END OF NE HEADWALL OF 4x10 BOX, S.N. 044-7056, IN NE QUAD OF IL ROUTE 146 & RED BUD DR INTERSECTION  
 ELEV = 374.425

B.M. #1200A - "□" CUT ON TOP OF CENTER PIER FOUNDATION OF S.N. 044-0048 AT I-24 & IL ROUTE 146 INTERSECTION  
 ELEV = 397.259



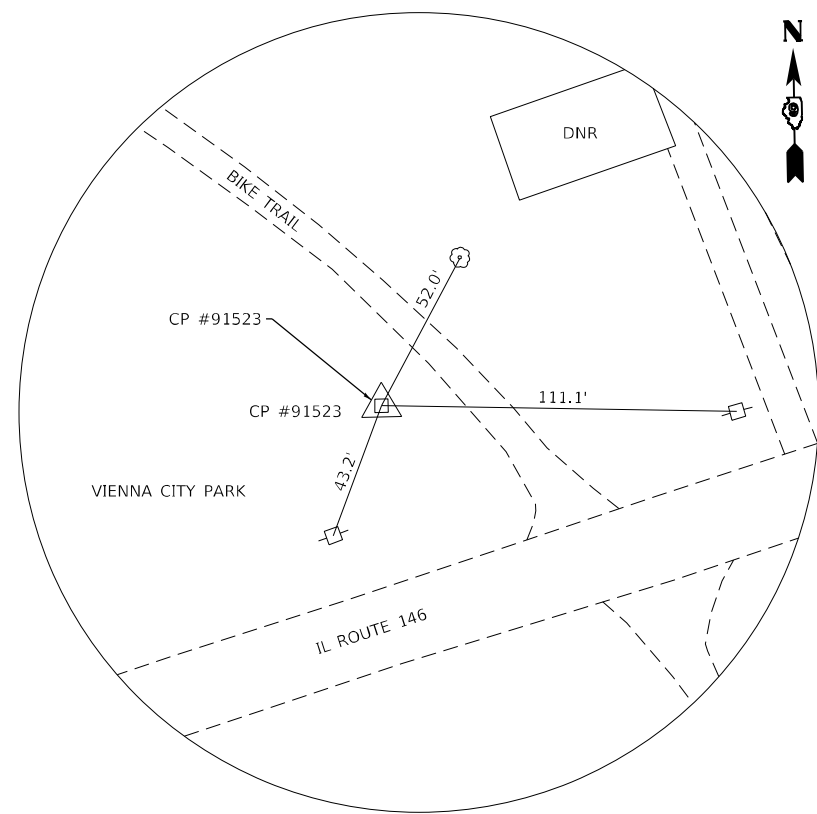
- |   |  |   |   |
|---|--|---|---|
| ① POT Sta 291+98.17   | ⑥ PRC Sta 298+53.22  | ⑪ PI Sta 301+10.46  | ⑮ PROP. CURVE PRREDBUD_8<br>PI STA. = 301+96.14<br>$\Delta = 13^\circ 34' 23''$ (RT)<br>$D = 14^\circ 19' 26''$<br>$R = 400.00'$<br>$T = 47.60'$<br>$L = 94.76'$<br>$E = 2.82'$<br>P.C. STA. = 301+48.54<br>P.T. STA. = 302+43.30 |
| ② POT Sta 295+47.05   | ⑦ PI Sta 298+87.53   | ⑫ PROP. CURVE PRREDBUD_7<br>PI STA. = 301+10.46<br>$\Delta = 41^\circ 35' 49''$ (LT)<br>$D = 52^\circ 05' 13''$<br>$R = 110.00'$<br>$T = 41.78'$<br>$L = 79.86'$<br>$E = 7.67'$<br>P.C. STA. = 300+68.68<br>P.T. STA. = 301+48.54 | ⑯ PT Sta 302+43.30  |
| ③ PC Sta 297+89.38  | ⑧ PROP. CURVE PRREDBUD_4<br>PI STA. = 298+87.53<br>$\Delta = 41^\circ 44' 22''$ (RT)<br>$D = 63^\circ 39' 43''$<br>$R = 90.00'$<br>$T = 34.31'$<br>$L = 65.56'$<br>$E = 6.32'$<br>P.C. STA. = 298+53.22<br>P.T. STA. = 299+18.78 | ⑬ PRC Sta 301+48.54   | ⑰ POT Sta 303+53.98   |
| ④ PI Sta 298+21.42  | ⑨ PT Sta 299+18.78   | ⑭ PI Sta 301+96.14  |   |
| ⑤ PROP. CURVE PRREDBUD_3<br>PI STA. = 298+21.42<br>$\Delta = 12^\circ 11' 29''$ (LT)<br>$D = 19^\circ 05' 55''$<br>$R = 300.00'$<br>$T = 32.04'$<br>$L = 63.83'$<br>$E = 1.71'$<br>P.C. STA. = 297+89.38<br>P.T. STA. = 298+53.22 | ⑩ PC Sta 300+68.68   |   |   |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

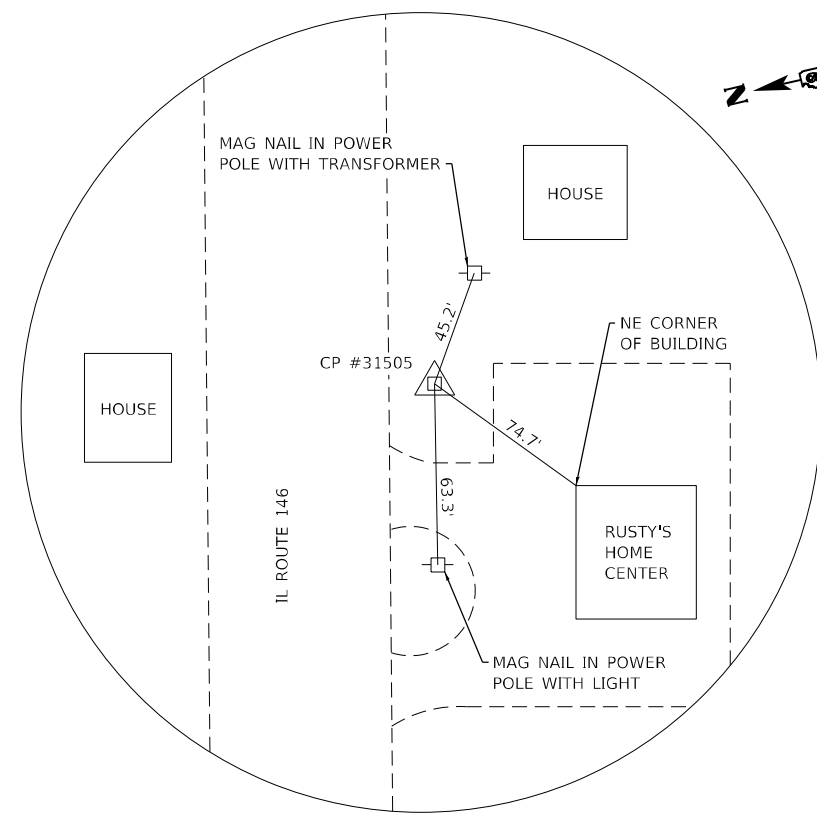
ALIGNMENT TIES AND BENCHMARKS

|                              |            |           |                           |               |         |              |           |
|------------------------------|------------|-----------|---------------------------|---------------|---------|--------------|-----------|
| USER NAME = rjones           | DESIGNED - | REVISED - | F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| DRAWN -                      | CHECKED -  | REVISED - | 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 32        |
| PLOT SCALE = 600,0000' / in. | DATE -     | REVISED - | CONTRACT NO. 78524        |               |         |              |           |
| PLOT DATE = 3/27/2023        |            |           | ILLINOIS FED. AID PROJECT |               |         |              |           |

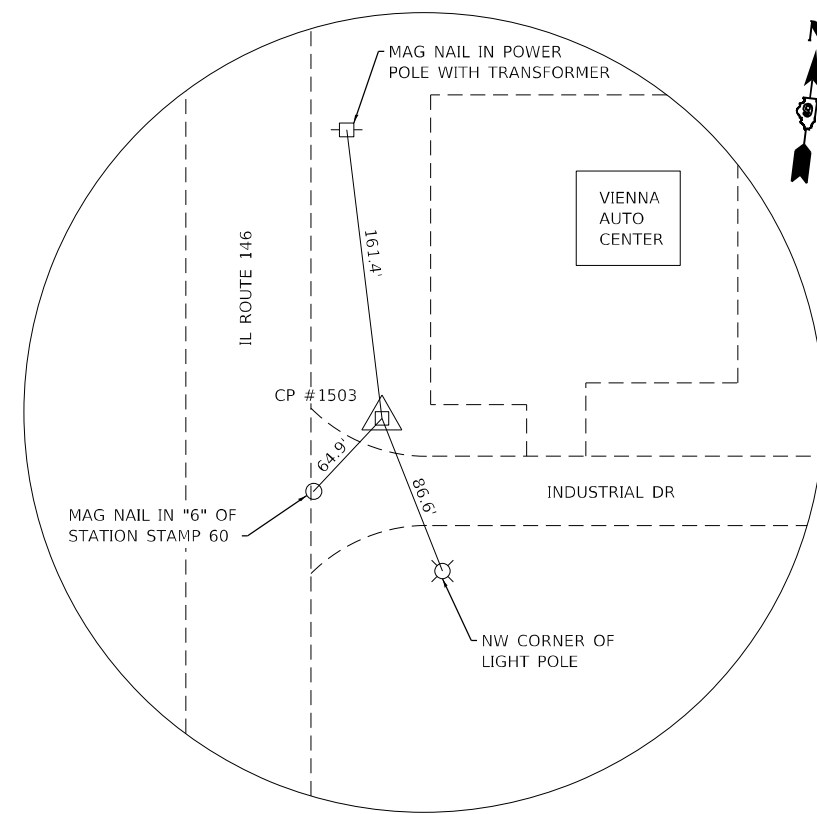




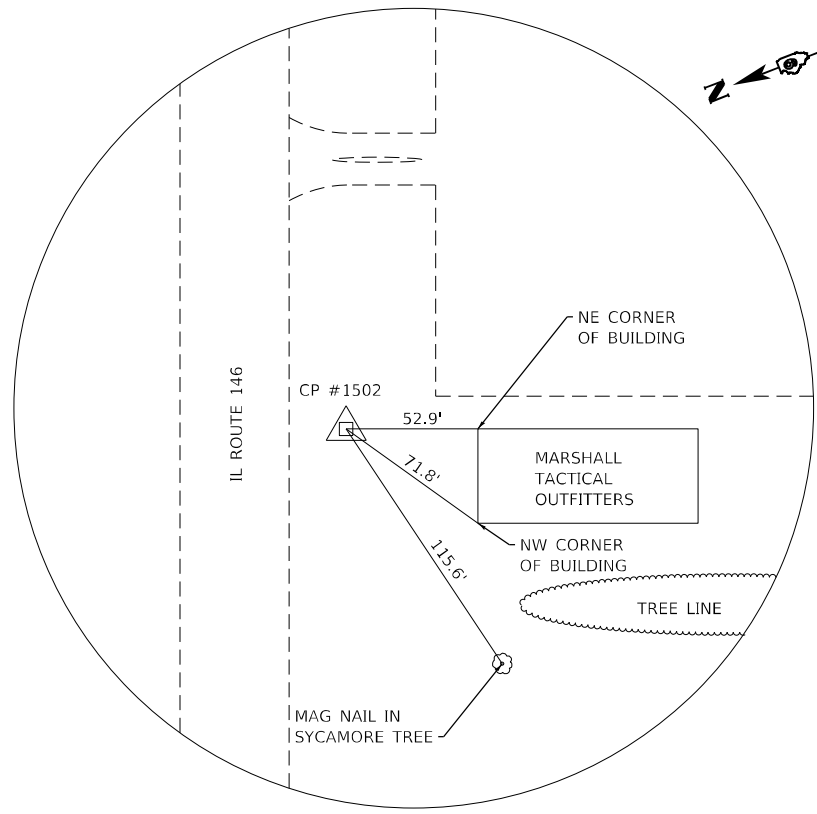
IRON PIN AND CAP  
 STA. 45+98.60, 66.67' LT  
 N: 273,507.716  
 E: 823,424.691



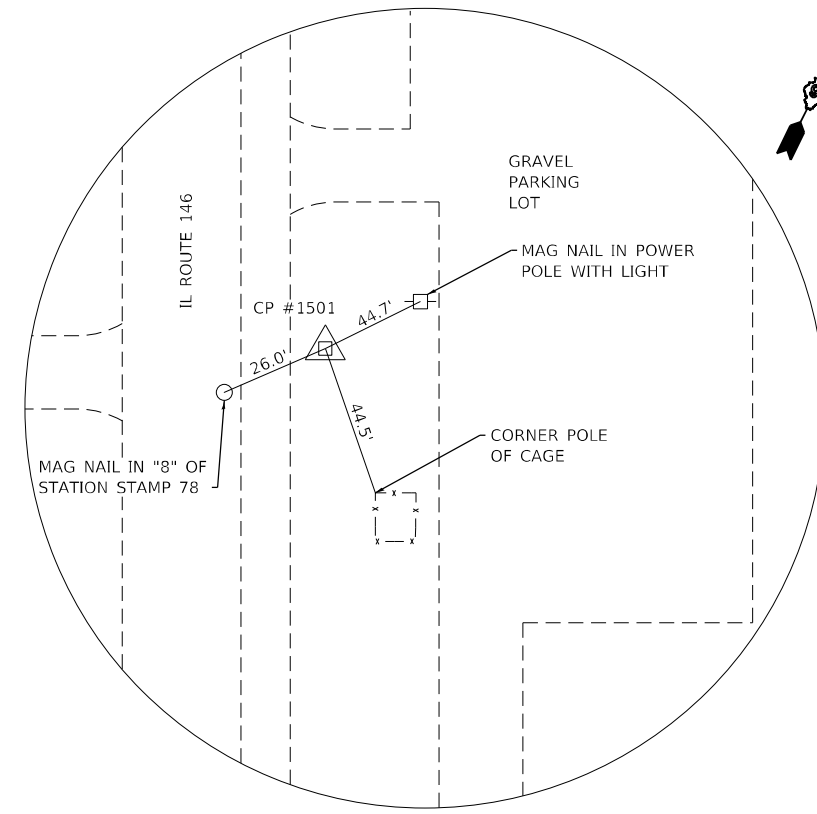
IRON PIN AND CAP  
 STA. 54+72.99, 30.49' RT  
 N: 273,514.771  
 E: 824,298.646



IRON PIN AND CAP  
 STA. 59+47.91, 44.44' LT  
 N: 273,521.680  
 E: 824,779.386



IRON PIN AND CAP  
 STA. 66+95.45, 23.05' RT  
 N: 273,348.491  
 E: 825,509.745



IRON PIN AND CAP  
 STA. 77+79.33, 25.74' LT  
 N: 273,227.601  
 E: 826,587.872

MODEL: 2 - Draft.dwg  
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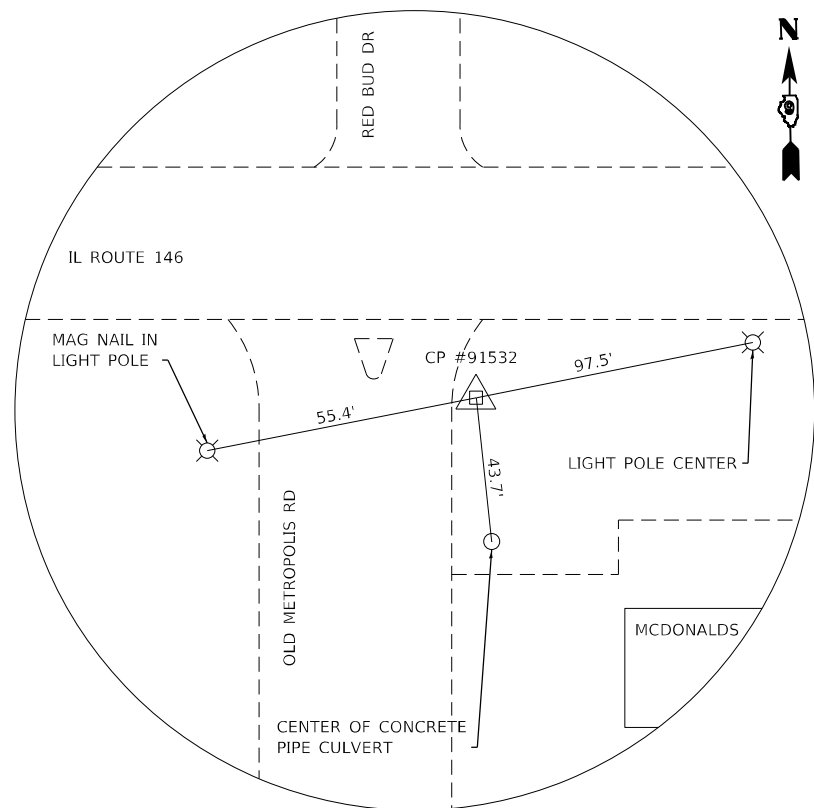
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| USER NAME = rjnr,witjes      | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 60,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

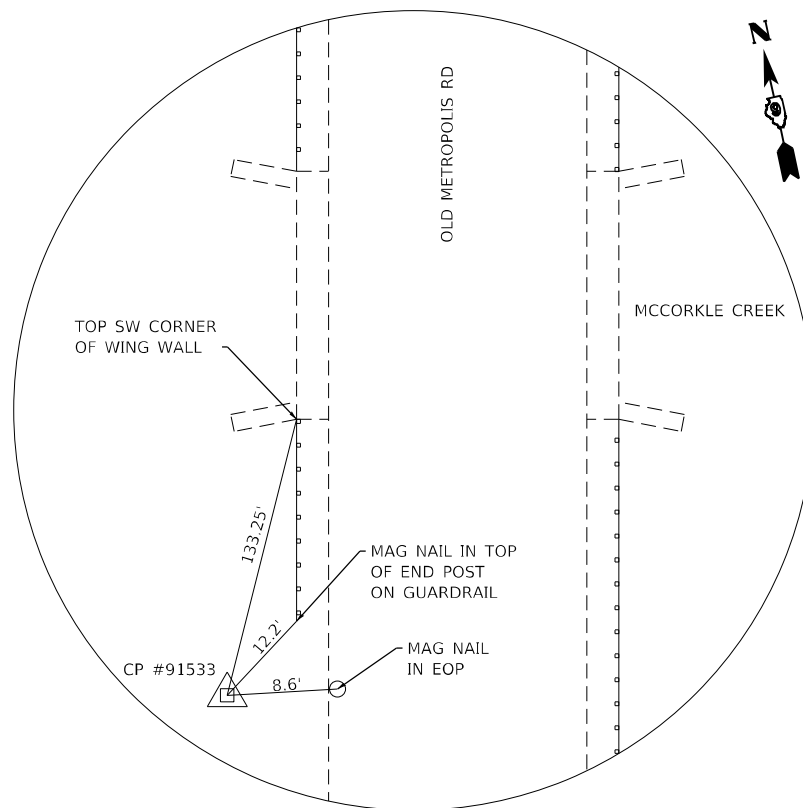
**ALIGNMENT TIES AND BENCHMARKS**

SCALE: NTS      SHEET 2 OF 3 SHEETS      STA. N/A TO STA. N/A

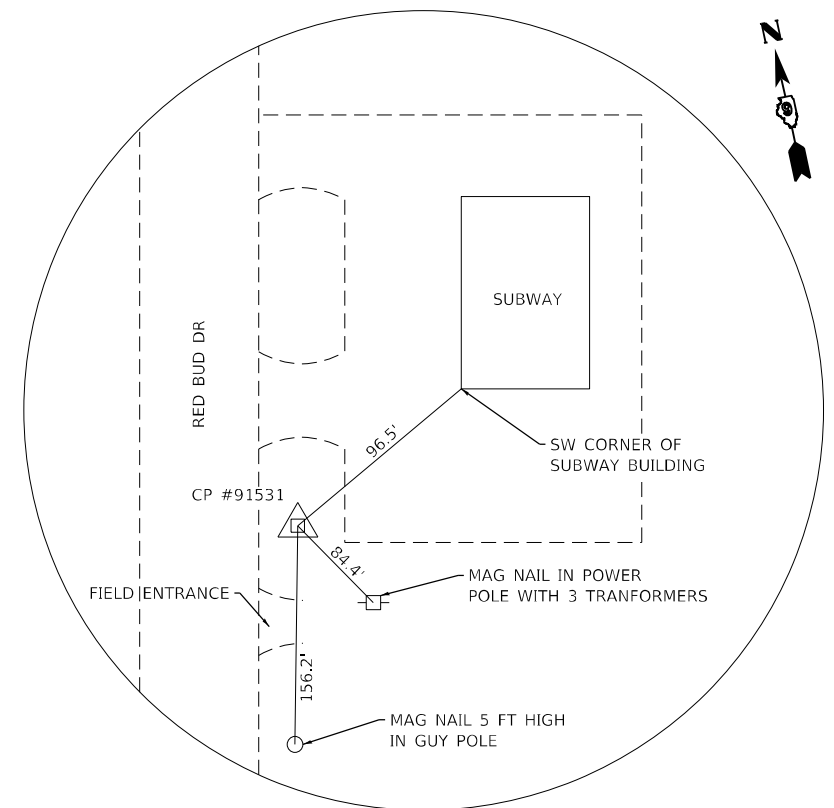
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 33        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



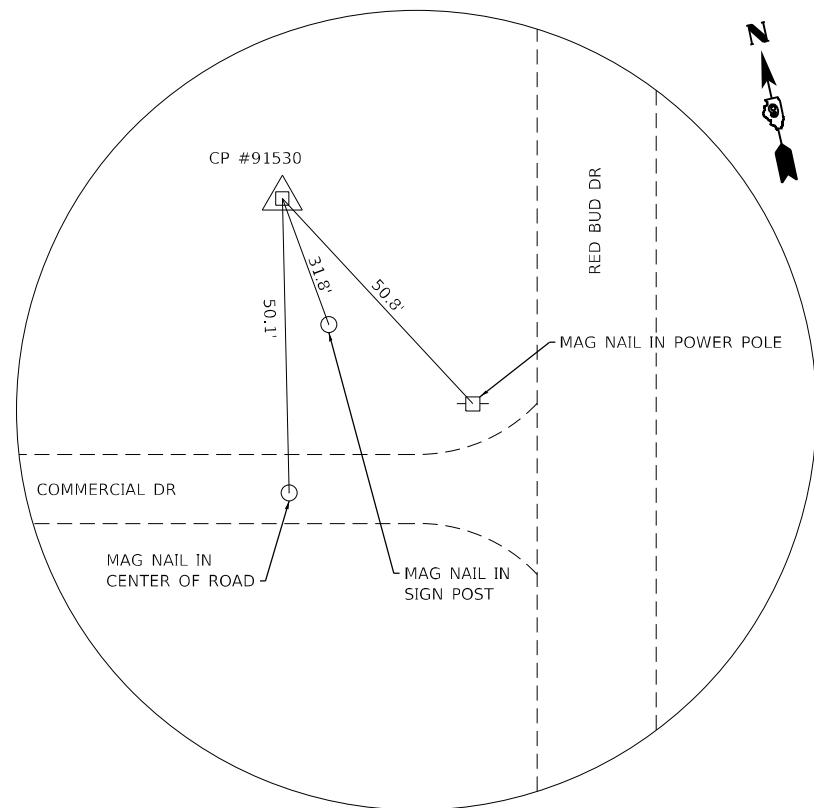
IRON PIN AND CAP  
 STA. 82+83.32, 92.80' RT  
 N: 273,027.148  
 E: 827,065.237



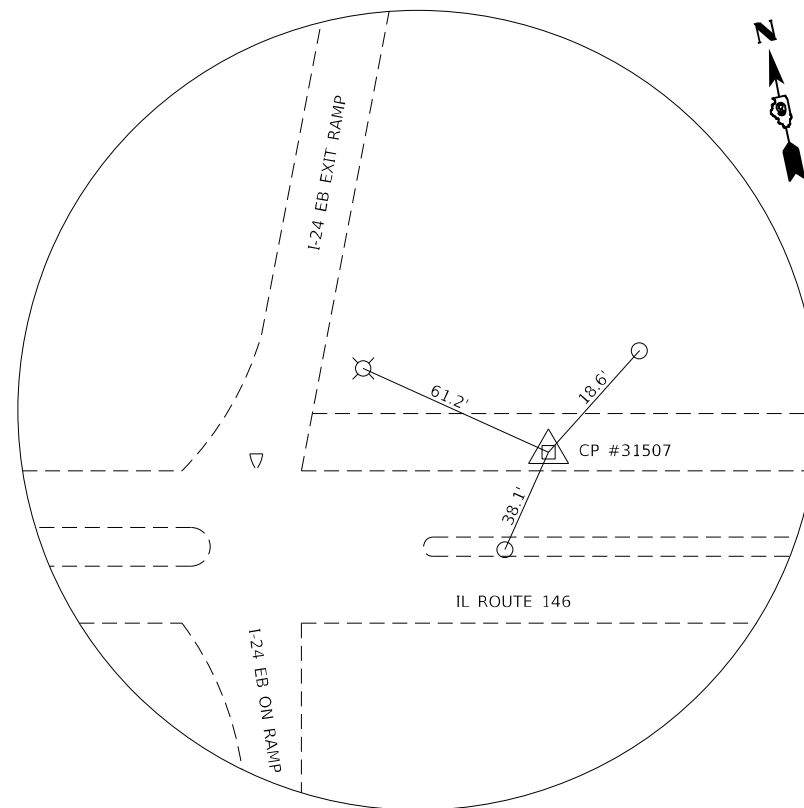
IRON PIN AND CAP  
 STA. 289+89.42, 17.71' LT  
 N: 272,118.188  
 E: 827,021.984



IRON PIN AND CAP  
 STA. 305+54.07, 60.42' LT  
 N: 273,675.086  
 E: 827,091.766



IRON PIN AND CAP  
 STA. 311+55.18, 57.13' LT  
 N: 274,276.577  
 E: 826,984.451



MAGNETIC NAIL  
 STA. 87+85.71, 32.36' LT  
 N: 273,067.290  
 E: 827,581.417

MODEL: 2 - Dwg1.dwg  
 FILE NAME: I:\GIS\20088 - IDOT\_PTB\_196\_Item 610220088.017 - IL 146 Phase II\CADD\Microstation\CADD\_Drawing\09220088.017.rst-ATE.dgn

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryne.witjes      | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 60,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT TIES AND BENCHMARKS**

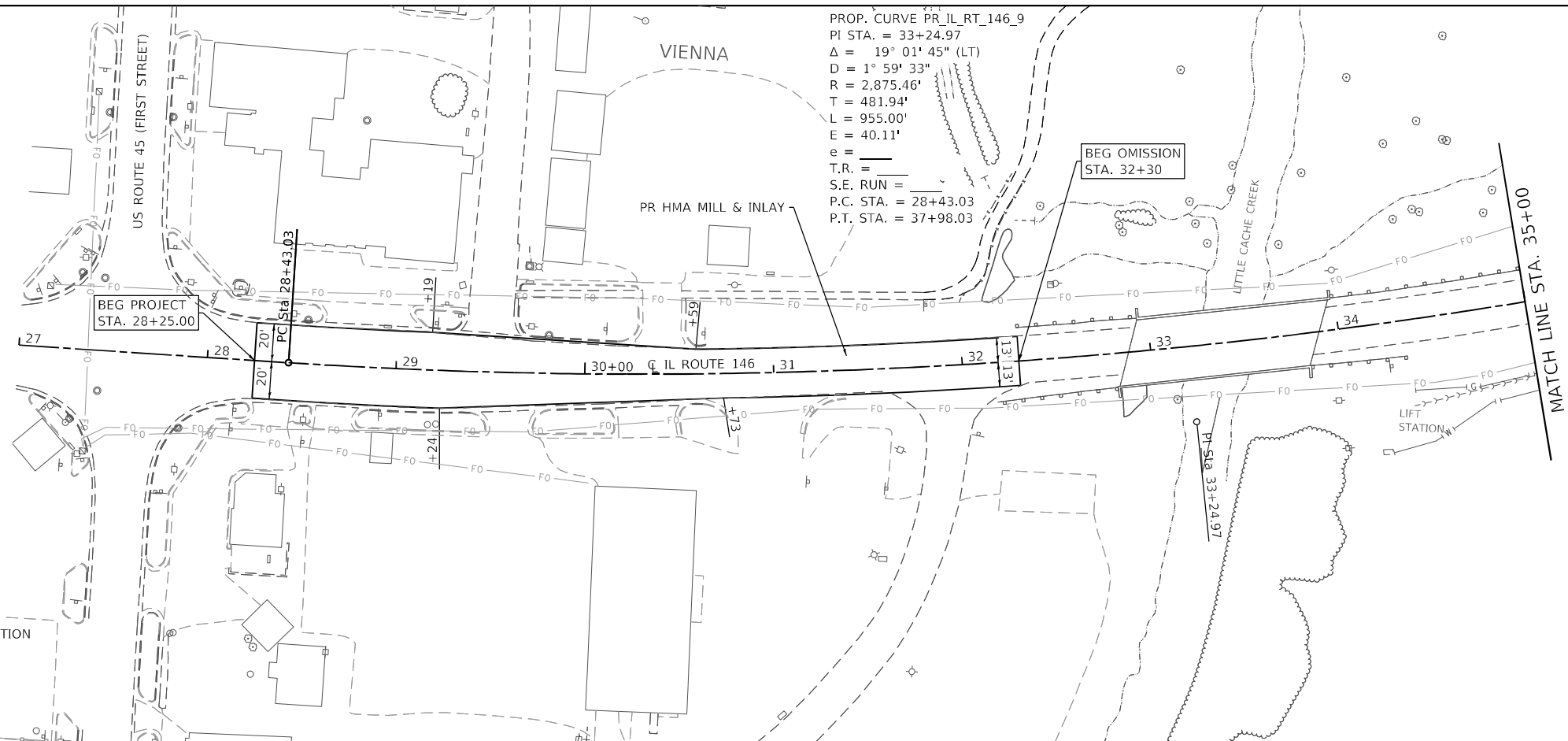
SCALE: NTS    SHEET 3 OF 3 SHEETS    STA. N/A TO STA. N/A

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 34        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

|      |                |      |
|------|----------------|------|
| PLAN | SURVEYED       | DATE |
|      | PLOTTED        | BY   |
|      | ALIGNED        |      |
|      | CHECKED        |      |
|      | CADD FILE NAME |      |
|      | NO.            |      |

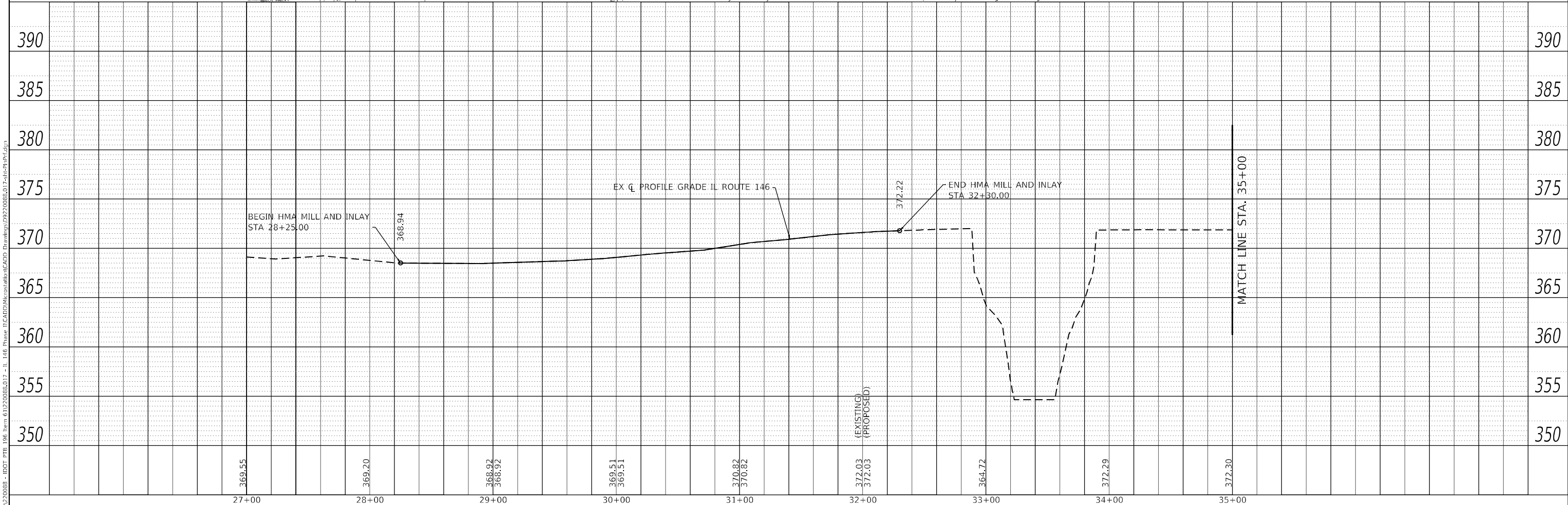
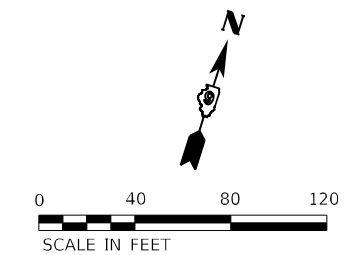
|         |                           |      |
|---------|---------------------------|------|
| PROFILE | SURVEYED                  | DATE |
|         | PLOTTED                   | BY   |
|         | GRADES CHECKED            |      |
|         | STRUCTURE NOTATIONS CIPWD |      |
|         | NO.                       |      |

MODEL SHEET 1  
 FILE NAME: H:\22088 - IDOT - P1B 196 Item 6122088.dwg - II 116 Phase II\CADD\Water\cadd\p1b\196\116\116.dwg  
 I:\CADD\Water\cadd\p1b\196\116\116.dwg



**LEGEND**

|  |                        |
|--|------------------------|
|  | PROPOSED DITCH         |
|  | LIMITS OF CONSTRUCTION |
|  | PROPOSED TCE           |
|  | PROPOSED ROW           |



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjns,wilfjes     | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

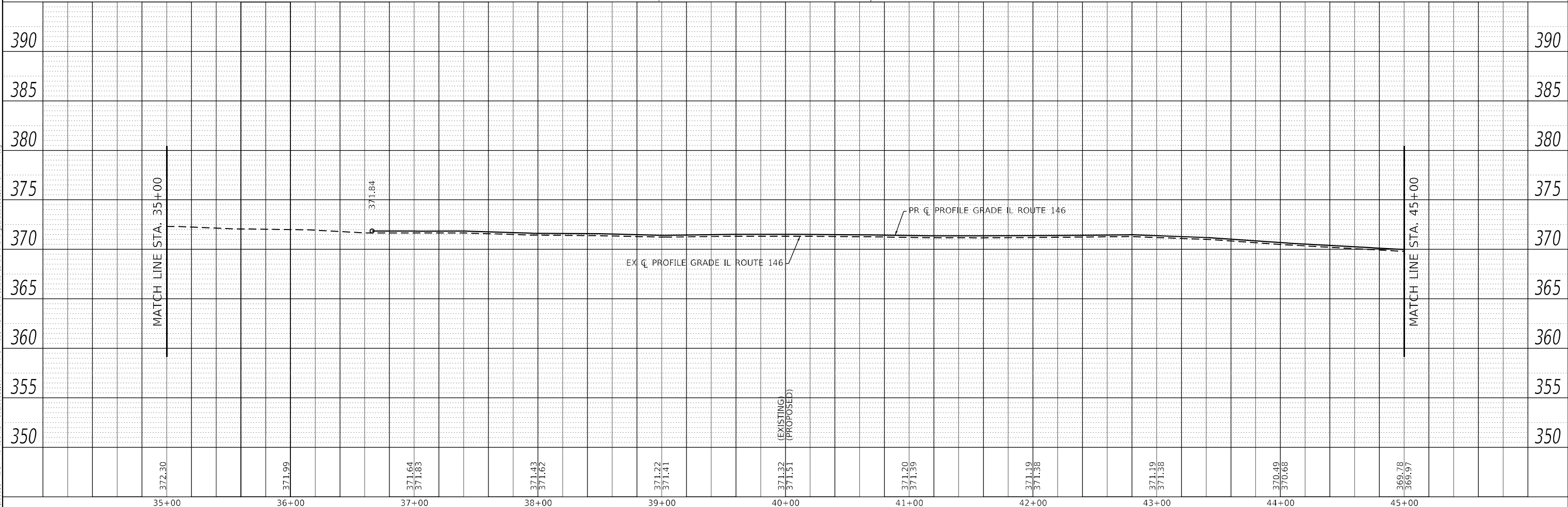
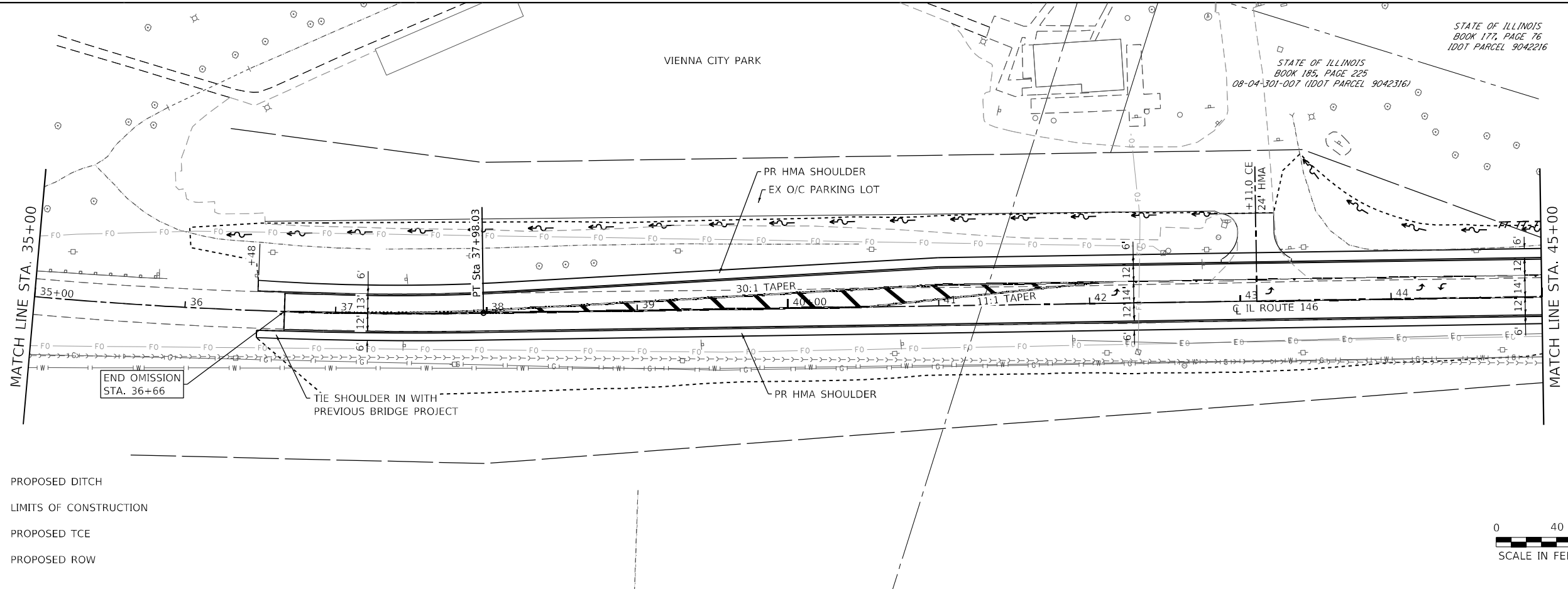
|                                |         |             |                          |
|--------------------------------|---------|-------------|--------------------------|
| <b>PLAN AND PROFILE SHEETS</b> |         |             |                          |
| SCALE: 1" = 40'                | SHEET 1 | OF 8 SHEETS | STA. 27+00 TO STA. 35+00 |

|                           |                        |                |                  |              |
|---------------------------|------------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2, R5-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 35 |
| CONTRACT NO. 78524        |                        |                |                  |              |
| ILLINOIS FED. AID PROJECT |                        |                |                  |              |

|      |           |      |
|------|-----------|------|
| PLAN | SURVEYED  | DATE |
|      | PLOTTED   |      |
|      | ALIGNED   |      |
|      | CHECKED   |      |
|      | FILE NAME |      |
|      | NO.       |      |

|         |           |      |
|---------|-----------|------|
| PROFILE | SURVEYED  | DATE |
|         | PLOTTED   |      |
|         | GRADES    |      |
|         | CHECKED   |      |
|         | STRUCTURE |      |
|         | NOTATION  |      |
|         | NO.       |      |

MODEL SHEET 2  
 FILE NAME: H:\22088 - IDOT - PTB 196 Item 6122088.dwg - II\_116 Phase II\CADD\Water\Construction\CADD Drawings\1922088.dwg  
 I:\CADD\Water\Construction\CADD Drawings\1922088.dwg



|  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|
| <br>OATES ASSOCIATES<br>ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115 | USER NAME = rjnr,wilfjes<br>DESIGNED -<br>DRAWN -<br>CHECKED -<br>DATE - | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS<br/>         DEPARTMENT OF TRANSPORTATION</b> |  | <b>PLAN AND PROFILE SHEETS</b>                                     |  |  |  | F.A.P. RTE. 885<br>SECTION 110(W-2, RS-5)<br>COUNTY JOHNSON<br>ILLINOIS FED. AID PROJECT | TOTAL SHEETS 159<br>SHEET NO. 36<br>CONTRACT NO. 78524 |
|  | PLOT SCALE = 80,0000 * / in.<br>PLOT DATE = 3/27/2023                    |  |  |  | SCALE: 1" = 40'<br>SHEET 2 OF 8 SHEETS<br>STA. 35+00 TO STA. 45+00 |  |  |  |  |  |

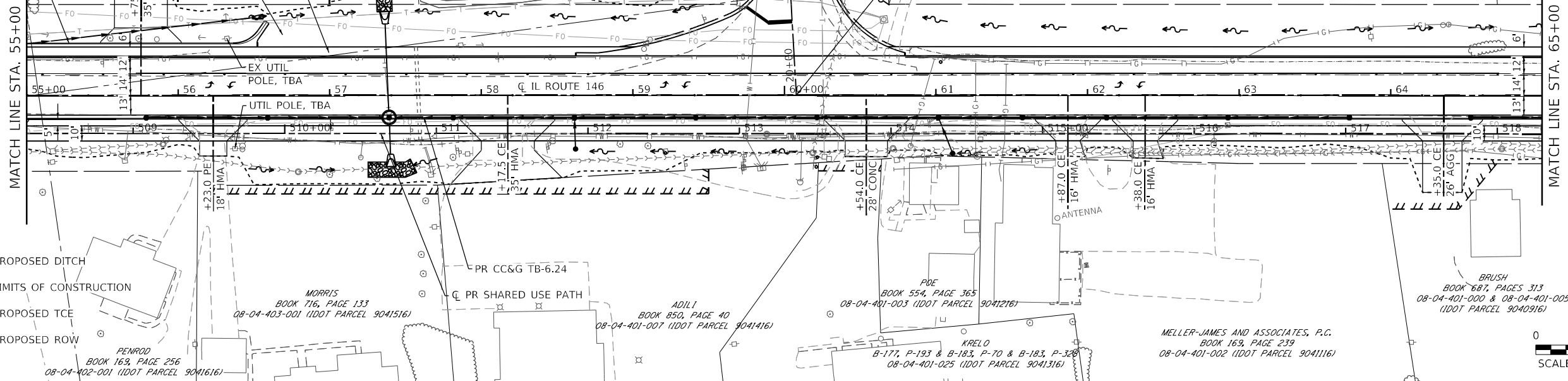


|      |           |      |
|------|-----------|------|
| PLAN | SURVEYED  | DATE |
|      | PLOTTED   |      |
|      | ALIGNED   |      |
|      | CHECKED   |      |
|      | FILE NAME |      |
|      | NO.       |      |

|         |           |      |
|---------|-----------|------|
| PROFILE | SURVEYED  | DATE |
|         | PLOTTED   |      |
|         | GRADES    |      |
|         | CHECKED   |      |
|         | STRUCTURE |      |
|         | NOTATIONS |      |
|         | NO.       |      |

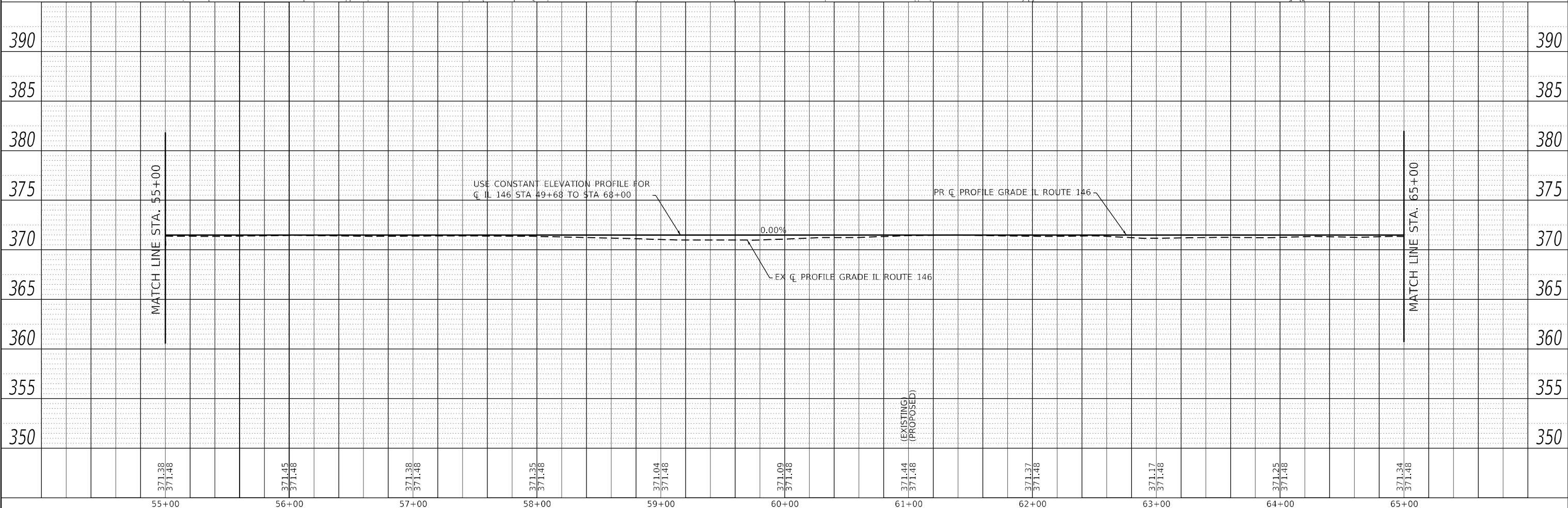
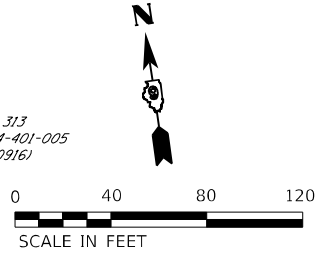
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 I:\CAD\Drawings\19270088\017-116-116.dwg

NOTE: SEE SPECIAL GUTTER FLOWLINE  
 DETAIL SHEETS 82 TO 85



**LEGEND**

- PROPOSED DITCH
- LIMITS OF CONSTRUCTION
- PROPOSED TCE
- PROPOSED ROW



|       |                  |       |                  |       |                  |       |                  |       |                  |       |                  |       |                  |       |                  |       |                  |       |                  |       |                  |
|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|
| 55+00 | 371.38<br>371.48 | 56+00 | 371.45<br>371.48 | 57+00 | 371.38<br>371.48 | 58+00 | 371.35<br>371.48 | 59+00 | 371.04<br>371.48 | 60+00 | 371.09<br>371.48 | 61+00 | 371.44<br>371.48 | 62+00 | 371.37<br>371.48 | 63+00 | 371.17<br>371.48 | 64+00 | 371.25<br>371.48 | 65+00 | 371.34<br>371.48 |
|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rynn.wilfjes     | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 80,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE SHEETS**

SCALE: 1" = 40'    SHEET 4 OF 8 SHEETS    STA. 55+00 TO STA. 65+00

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 38 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |



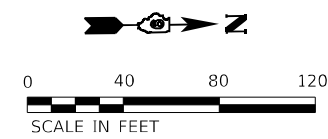
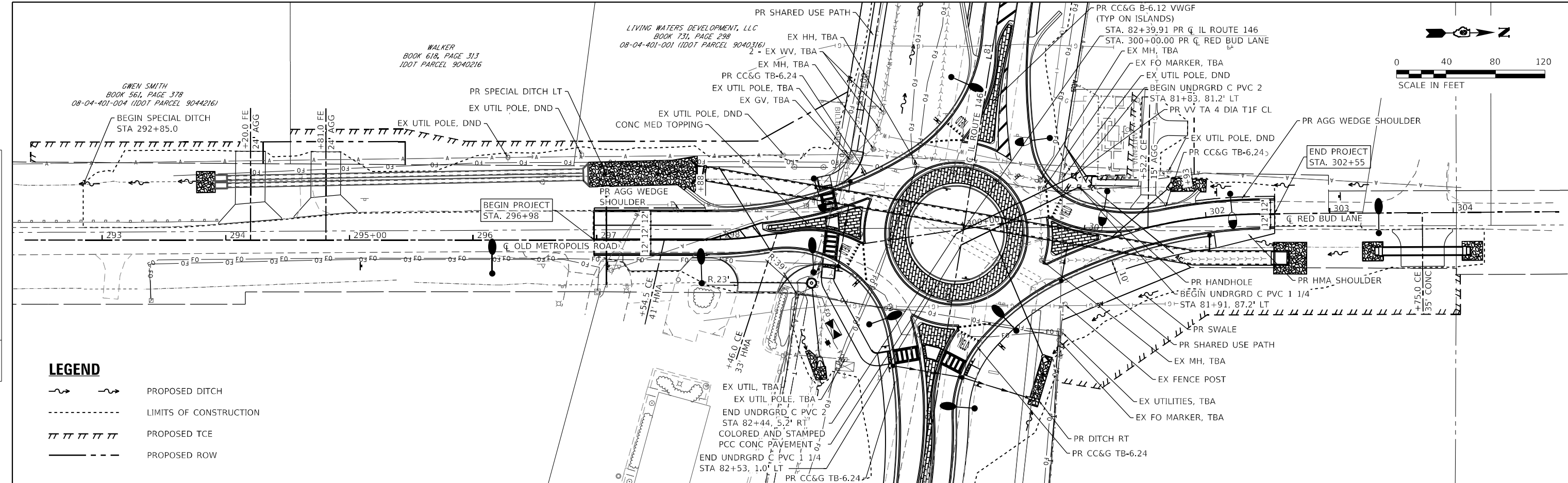






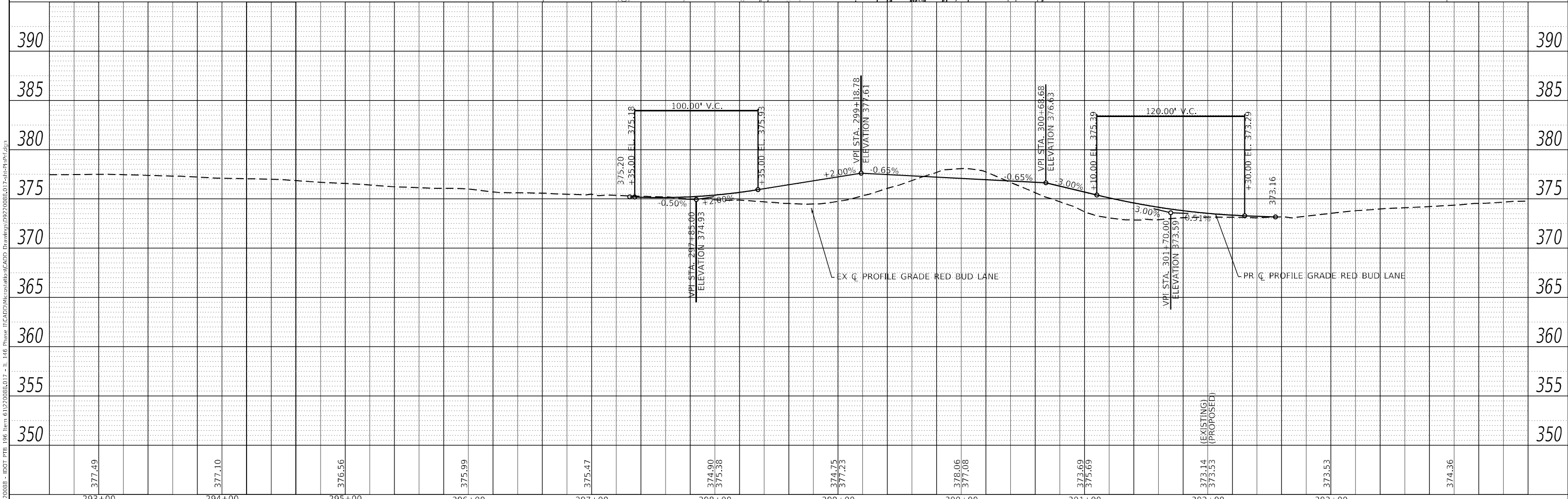
|      |  |
|------|--|
| DATE |  |
| BY   |  |
| PLAN |  |
| NO.  |  |
| NO.  |  |
| NO.  |  |
| NO.  |  |

|         |  |
|---------|--|
| DATE    |  |
| BY      |  |
| PROFILE |  |
| NO.     |  |
| NO.     |  |
| NO.     |  |
| NO.     |  |



**LEGEND**

|  |                        |
|--|------------------------|
|  | PROPOSED DITCH         |
|  | LIMITS OF CONSTRUCTION |
|  | PROPOSED TCE           |
|  | PROPOSED ROW           |



|   |  |  |   |   |   |
|---|--|--|---|---|---|
| <br>OATES ASSOCIATES<br>www.oatesassociates.com<br>ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115 | USER NAME = bill.tindall<br>DESIGNED -<br>DRAWN -<br>CHECKED -<br>DATE -   | DESIGNED -<br>REVISED - 5/10/2023<br>REVISED -<br>REVISED -<br>REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PLAN AND PROFILE SHEETS<br>SCALE: 1" = 40'<br>SHEET 8 OF 8 SHEETS<br>STA. 292+85 TO STA. 304+24 | F.A.P. RTE. 885<br>SECTION 110(W-2,RS-5)<br>COUNTY JOHNSON<br>TOTAL SHEETS 159<br>SHEET NO. 42<br>CONTRACT NO. 78524<br>ILLINOIS FED. AID PROJECT |
|   | MODEL: Sheet 8<br>FILE NAME: H:\222088 - IDOT - PTB 196 Item 6122088.dwg - II 148 Phase II\CADD\Water\osato\p\cadd\Drawings\222088.dwg<br>SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURE NOTATIONS OK<br>SURVEYED, PLOTTED, ALIGNED CHECKED, CADD FILE NAME OK |  |   |   |   |

# SUGGESTED SEQUENCE OF CONSTRUCTION

## STAGE 1 NOTES

1. INSTALL TRAFFIC CONTROL SIGNS AS SHOWN IN THE OVERALL STAGING PLANS.
2. INSTALL CULVERT EXTENSIONS, DRAINAGE STRUCTURES, AND PERFORM NECESSARY GRADING.
3. INSTALL CROSS ROAD CULVERTS AT STA 47+55.79 AND 57+38.60 (SEE DETOUR SIGNING, DETOUR STAGING NOTES AND SPECIAL PROVISIONS).
4. UTILITIES TO BE RELOCATED.

## STAGE 2A NOTES

1. INSTALL TRAFFIC CONTROL SIGNS AS SHOWN IN THE OVERALL STAGING PLANS.
2. REMOVE EXISTING RAISED MEDIAN ON EAST LEG AND REPLACE WITH TEMP HMA PAVEMENT.
3. INSTALL EAST HALF OF TEMPORARY RUNAROUND FOR PERMANENT ROUNDABOUT CONSTRUCTION. PAVEMENT TIE INS & CROSSING SHALL BE CONSTRUCTED UNDER TRAFFIC USING FLAGGERS. (SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION)
4. REMOVE SHOULDER ALONG OLD METROPOLIS ROAD & BEGIN WIDENING FOR ADDITIONAL LANE.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER THREE DAYS IN ADVANCE OF PERFORMING WORK THAT WILL IMPACT ACCESS TO MCDONALD'S AND THE HOTEL.

## STAGE 2B NOTES

1. CLOSE IL 146 AND RED BUD LANE, SHIFT METROPOLIS ROAD ONTO WIDENING FROM STAGE 2A (SEE DETOUR SIGNING, DETOUR STAGING NOTES AND SPECIAL PROVISIONS).
2. GROUT AND FILL EXISTING 36" CROSS-ROAD CULVERT AT STA 82+05
3. REMOVE AND REPLACE THE 10X4 BOX CULVERT AND ALL OTHER CULVERTS THAT TIE INTO IT.
4. PATCH IL 146, INSTALL INCIDENTAL HMA ON OLD METROPOLIS ROAD, AND OPEN TO THROUGH TRAFFIC AFTER THE CLOSURE PERIOD. RED BUD WILL REMAIN CLOSED. INSTALL THE APPROPRIATE SIGNS FROM STAGE 3

## STAGE 2C NOTES

1. COMPLETE WEST HALF OF TEMPORARY RUNAROUND FOR PERMANENT ROUNDABOUT CONSTRUCTION

## STAGE 3 NOTES

1. SHIFT IL ROUTE 146 TRAFFIC ONTO THE NEWLY COMPLETED TEMPORARY RUNAROUND.
2. PERFORM REMOVALS AND GRADING FOR PERMANENT ROUNDABOUT CONSTRUCTION.
3. INSTALL STORM SEWER NOT COMPLETED FROM STAGE 1 AND 2B.
4. INSTALL NORTH LEG OF PERMANENT ROUNDABOUT, INSCRIBED CIRCLE, TRUCK APRON, CURB & GUTTER, AND APPROACH PAVEMENT ON EAST AND WEST LEG.
5. THE EAST LEG SPLITTER ISLAND IS TO BE COMPLETED TO THE TEMPORARY RUNAROUND LIMITS. THE SECTION OF SPLITTER ISLAND WITHIN THE TEMPORARY RUNAROUND WILL BE COMPLETED DURING STAGE 4.

## STAGE 4A NOTES

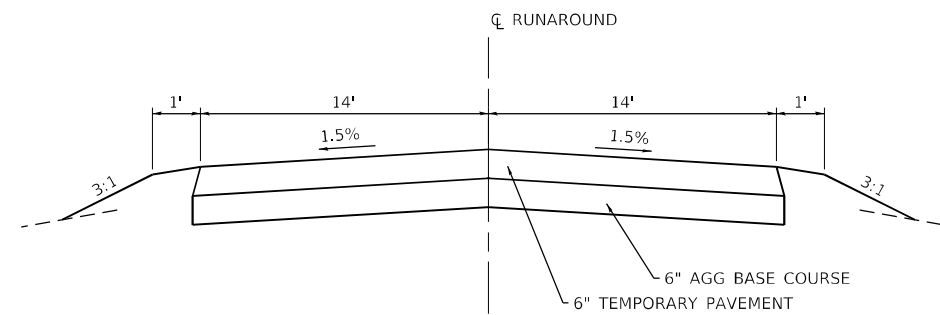
1. PRIOR TO SHIFTING TRAFFIC ONTO THE PERMANENT ROUNDABOUT CONSTRUCTION, THE CONTRACTOR SHALL PAVE A TEMPORARY RAMP FROM OLD METROPOLIS ROAD TO MATCH THE ROUNDABOUT. THIS WORK CAN BE DONE USING FLAGGERS OR TEMPORARY LANE CLOSURES DURING NON-PEAK TIMES.
2. COMPLETE SPLITTER ISLAND ON EAST LEG OF PERMANENT ROUNDABOUT.
3. REMOVE TEMPORARY RUNAROUND. REGRADE RIGHT SIDE & DITCHES.
4. INSTALL SOUTHBOUND LANE OF OLD METROPOLIS ROAD.

## STAGE 4B NOTES

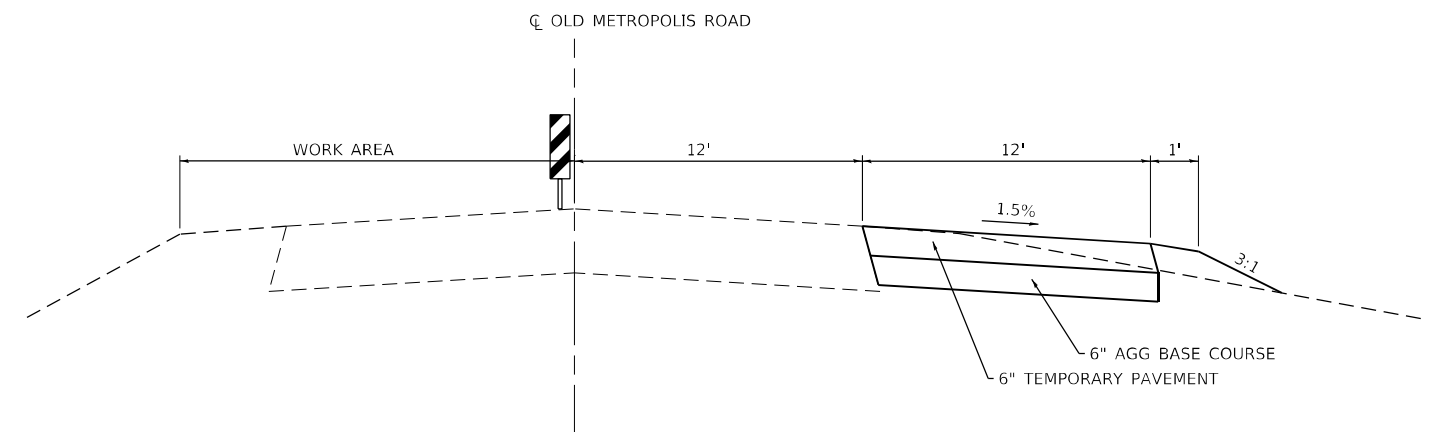
1. THE SOUTH LEG SPLITTER ISLAND SHALL BE FILLED WITH TEMP HMA PAVEMENT TO ALLOW FOR NORTHBOUND DRIVING SURFACE.
2. TRAFFIC WILL BE SWITCHED FROM THE TEMP WIDENING ALONG THE RIGHT SIDE OF OLD METROPOLIS ROAD TO THE COMPLETED PCC & HMA PAVEMENT OF THE SOUTH PERMANENT ROUNDABOUT APPROACH.
3. THE RIGHT SIDE OF THE SOUTH APPROACH HMA & PCC PAVEMENT WILL BE CONSTRUCTED.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER THREE DAYS IN ADVANCE OF PERFORMING WORK THAT WILL IMPACT ACCESS TO MCDONALD'S AND THE HOTEL. TEMPORARY AGGREGATE MAY BE USED TO PROMOTE ACCESS.
5. FOLLOWING THE COMPLETION OF THE SOUTH APPROACH PAVEMENT, NORTHBOUND TRAFFIC SHALL BE MOVED TO THE NEW PAVEMENT, AND THE SOUTH LEG SPLITTER ISLAND SHALL BE CONSTRUCTED.

## GENERAL STAGING NOTES

1. TYPE A LOW INTENSITY FLASHING LIGHTS SHALL BE USED ON THE FIRST SIGN IN ADVANCE OF THE WORK SITE AND ON ALL TYPE III BARRICADES DURING HOURS OF DARKNESS.
2. CHANGEABLE MESSAGE BOARDS SHALL BE INSTALLED 14 DAYS BEFORE THE COMMENCEMENT OF STAGE 1. THEY SHALL BE UPDATED 7 DAYS IN ADVANCE OF CHANGES IN STAGING OR RESTRICTIONS IN ACCESS
3. BARRICADES, CONES, AND DRUMS SHOWN DO NOT REPRESENT THE ACTUAL NUMBER REQUIRED AND ARE FOR REPRESENTATION. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH THE NECESSARY NUMBER FOR EACH STAGE BASED ON A SPACING OF 20'. NO ADDITIONAL PAYMENT WILL BE MADE FOR FURNISHING AND PLACING BARRICADES, CONES, AND DRUMS
4. TUNNEL HILL TRAIL WILL BE CLOSED USING TYPE III BARRICADES FOR THE DURATION OF CONSTRUCTION OPERATIONS IMPACTING THE TRAIL.



**TYPICAL SECTION  
PROPOSED RUNAROUND**



**TYPICAL SECTION  
STAGE 2 - OLD METROPOLIS ROAD**

MODEL SHEET 1  
FILE NAME: I:\11220088-11\_116 Phase 1\ICADD\MicroStation\CADD Drawings\09220088\017-5H-5Staging.dgn



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjnr,wiltjes     | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 40,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF ROUNDABOUT CONSTRUCTION  
AND TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 11 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION        | COUNTY   | TOTAL SHEETS     | SHEET NO.          |
|-------------|----------------|----------|------------------|--------------------|
| 885         | 110(W-2, RS-5) | JOHNSON  | 159              | 43                 |
|             |                |          |                  | CONTRACT NO. 78524 |
|             |                | ILLINOIS | FED. AID PROJECT |                    |

# TRAFFIC CONTROL PLAN LEGEND

| SIGN | SIGN NAME  | SIZE STATE HWY | SIZE INTERSTATE |
|------|--|----------------|-----------------|
|      | ① W-20   | 48X48          | N/A             |
|      | ② SPECIAL  | 24X12          | 30X15           |
|      | ③ M4-8   | 24X12          | 30X15           |
|      | ④ M3-2   | 24X12          | 30X15           |
|      | ⑤ M3-4   | 24X12          | 30X15           |
|      | ⑥ M1-I100  | 30X24          | 45X36           |
|      | ⑦ M6-2   | N/A            | 30X21           |
|      | ⑧ M5-1L  | 21X15          | N/A             |
|      | ⑨ M5-1R  | 21X15          | N/A             |
|      | ⑩ M6-3   | 21X15          | 30X21           |
|      | ⑪ M4-10  | 24X18          | N/A             |
|      | ⑫ R11-2  | 60X30          | N/A             |
|      | ⑬ R5-2a<br>*FOR USE ON STAGE 2B ONLY                       | 60X30          | N/A             |
|      | TYPE III BARRICADE<br>TYPE A LOW INTENSITY FLASHING LIGHTS |                |                 |
|      | CHANGEABLE MESSAGE BOARD                                   |                |                 |

## DETOUR STAGING NOTES

- IL ROUTE 146 MAY BE CLOSED TO THROUGH TRAFFIC TO REPLACE THE CROSS ROAD CULVERTS AT STA. 47+55.79, STA. 57+38.60 & STA. 82+31.11. THE CULVERTS ARE TO BE COMPLETED ONE AT A TIME.
- THE CLOSURES CANNOT BE ON CONSECUTIVE WEEKENDS. THERE MUST BE 2 WEEKENDS IN BETWEEN CLOSURES.
- NO CLOSURES CAN BE UNDERTAKEN DURING STAGE 3 OF THE ROUNDABOUT CONSTRUCTION SCHEDULE.
- ALL TRAFFIC CONTROL SIGNS, BARRICADES AND MAINTENANCE TO BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL)
- TYPE A LOW INTENSITY FLASHING LIGHTS SHALL BE USED ON THE FIRST SIGN IN ADVANCE OF THE WORK SITE AND ON ALL TYPE III BARRICADES DURING HOURS OF DARKNESS.
- BARRICADES AND SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARDS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND AS DIRECTED BY THE ENGINEER THE EXACT LOCATION OF THE SIGNS SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
- CHANGEABLE MESSAGE BOARDS SHALL BE INSTALLED 14 DAYS BEFORE ANY CLOSURES, AND REMAIN IN PLACE DURING THE CLOSURES.



MODEL SHEET 2 - Stage 1 - Culvert Detours  
 FILE NAME: I:\11220088 - IDOT P1B - I116 Phase II\CADD\MicroStation\CADD Drawings\09220088\017-5H-5-Stage1.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



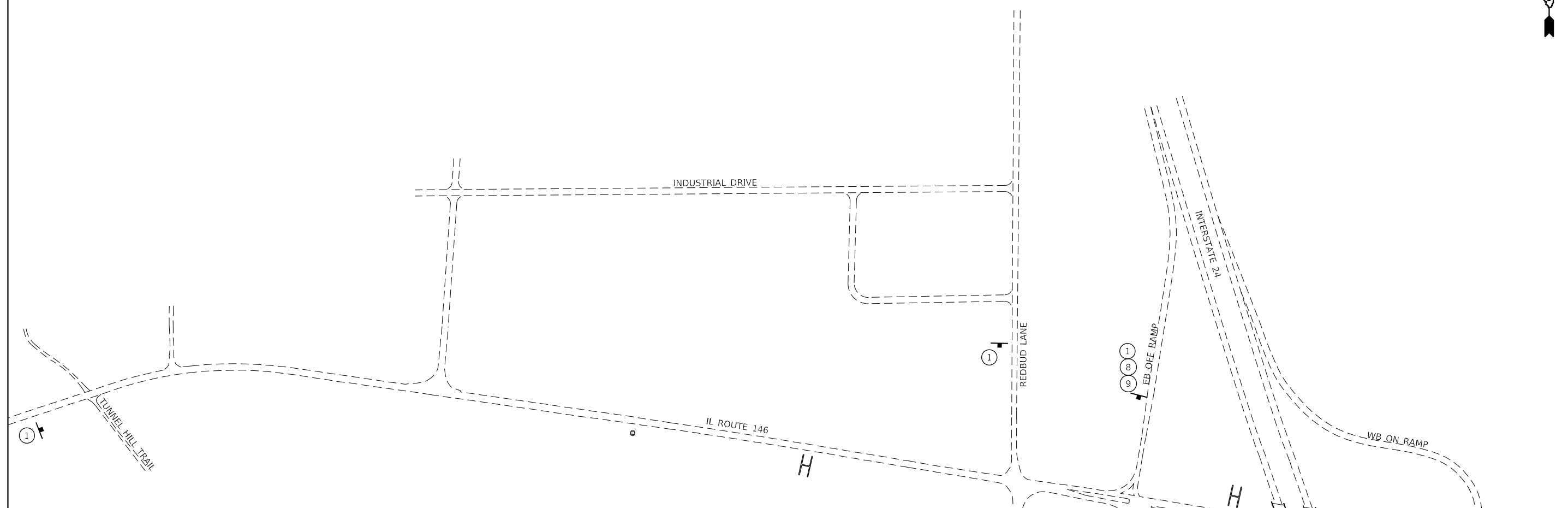
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|------------------------------|------------|-----------|
| USER NAME = rjone_witjes     | DESIGNED - | REVISED - |
| PLOT SCALE = 400,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS ROAD CULVERT REPLACEMENT DETOUR SIGNING:  
STAGE 1 AND 2B

SCALE: N/A SHEET 2 OF 11 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|----------------|---------|--------------------|-----------|
| 885                       | 110(W-2, RS-5) | JOHNSON | 159                | 44        |
| ILLINOIS FED. AID PROJECT |                |         | CONTRACT NO. 78524 |           |



**TRAFFIC CONTROL PLAN LEGEND**

|  |  |  |                     |  |                          |
|--|--|--|---------------------|--|--------------------------|
|  | ① W-20<br>48x48  |  | ⑫ M4-8<br>24X12     |  | SIGN                     |
|  | ② W-20<br>48X48  |  | ⑬ G20-1103<br>60X36 |  | FLASHING BEACON          |
|  | ③ W2-1115(0)-36X18<br>R2-1 - 36X48<br>R2-1106P - 36X18 |  |                     |  | TYPE III BARRICADE       |
|  | ④ W1-4R<br>48x48                                       |  |                     |  | CHANGEABLE MESSAGE BOARD |
|  | ⑤ W1-4L<br>48x48                                       |  |                     |  | WORK AREA                |
|  | ⑥ W4-4<br>24X12  |  |                     |  | CONE, DRUM, OR BARRICADE |
|  | ⑦ M5-1L<br>24X24                                       |  |                     |  |                          |
|  | ⑧ M5-1R<br>24X24                                       |  |                     |  |                          |
|  | ⑨ M1-1100<br>24X12                                     |  |                     |  |                          |
|  | ⑩ SPECIAL<br>24X12                                     |  |                     |  |                          |
|  | ⑪ R1-1<br>30   |  |                     |  |                          |

MODEL: Sheet 3 - Stage 2 - Overall  
 FILE NAME: I:\R220088 - IDOT\_PTB\_P06\_Item 6\1220088.017 - IL 146 Phase II\CADD\MicroStation\CADD\_Drawing\09220088.017-SH-Stage2.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

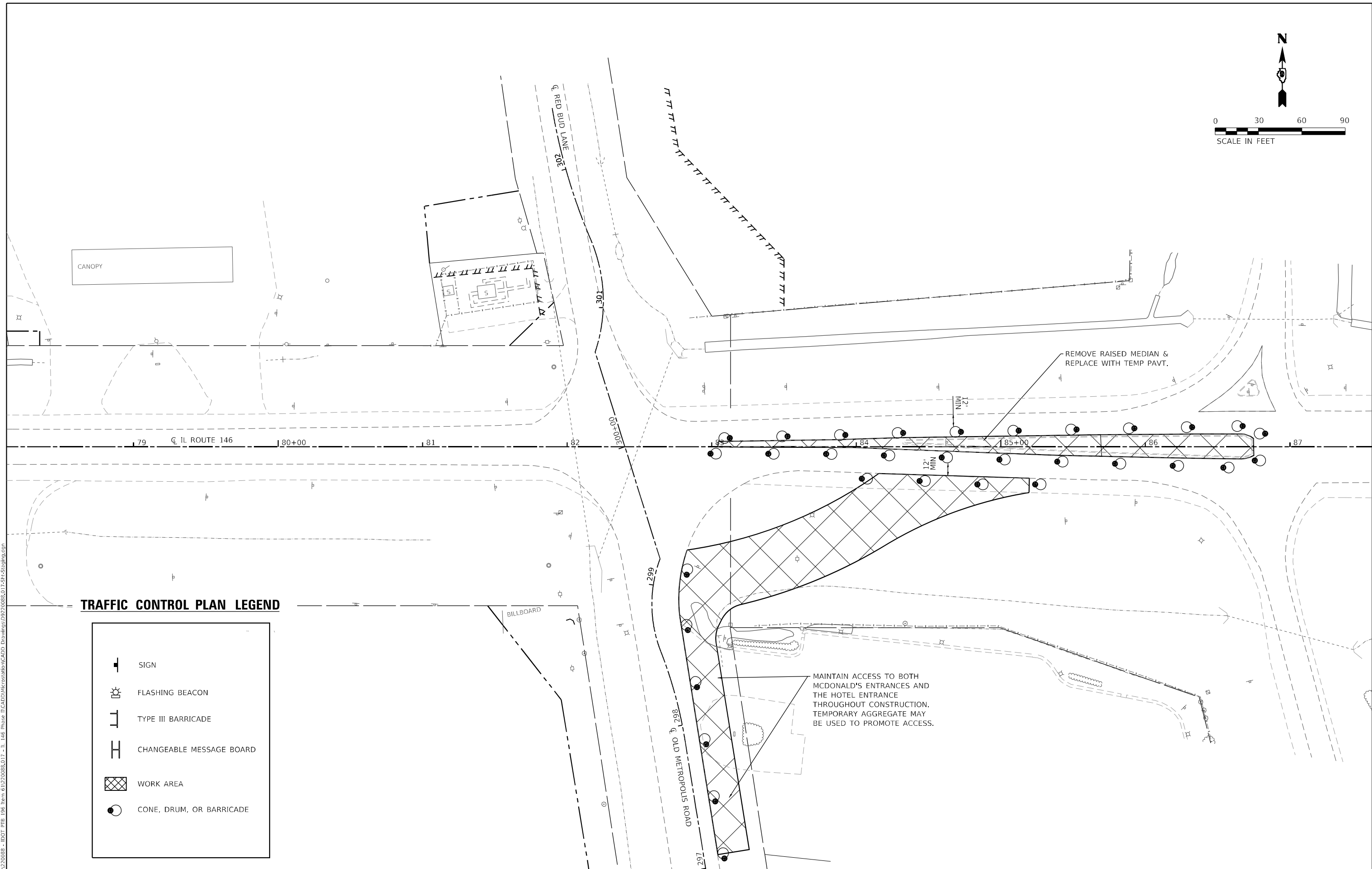
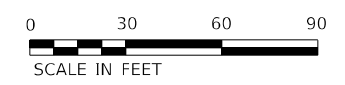


|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryne.witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 400,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |







**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|   |         |              |              |
|---|---------|--------------|--------------|
| <b>ROUNDABOUT CONSTRUCTION STAGING:<br/>OVERALL SIGNING STAGE 2A AND 2C</b> |         |              |              |
| SCALE: N/A  | SHEET 3 | OF 11 SHEETS | STA. TO STA. |

| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 885                       | 110(W-2, R5-5) | JOHNSON | 159          | 45        |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |



**TRAFFIC CONTROL PLAN LEGEND**

-  SIGN
-  FLASHING BEACON
-  TYPE III BARRICADE
-  CHANGEABLE MESSAGE BOARD
-  WORK AREA
-  CONE, DRUM, OR BARRICADE

MODEL SHEET 4 - Stage 2A  
FILE NAME: I:\11220088-11\_146 Phase 1\CAD\DD\MicroStation\CADD Drawings\09220088\017-SH-Strainp.dgn  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = ryan.witjes  
 DESIGNED -  
 DRAWN -  
 PLOT SCALE = 60,0000 \* / in.  
 CHECKED -  
 DATE = 3/27/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

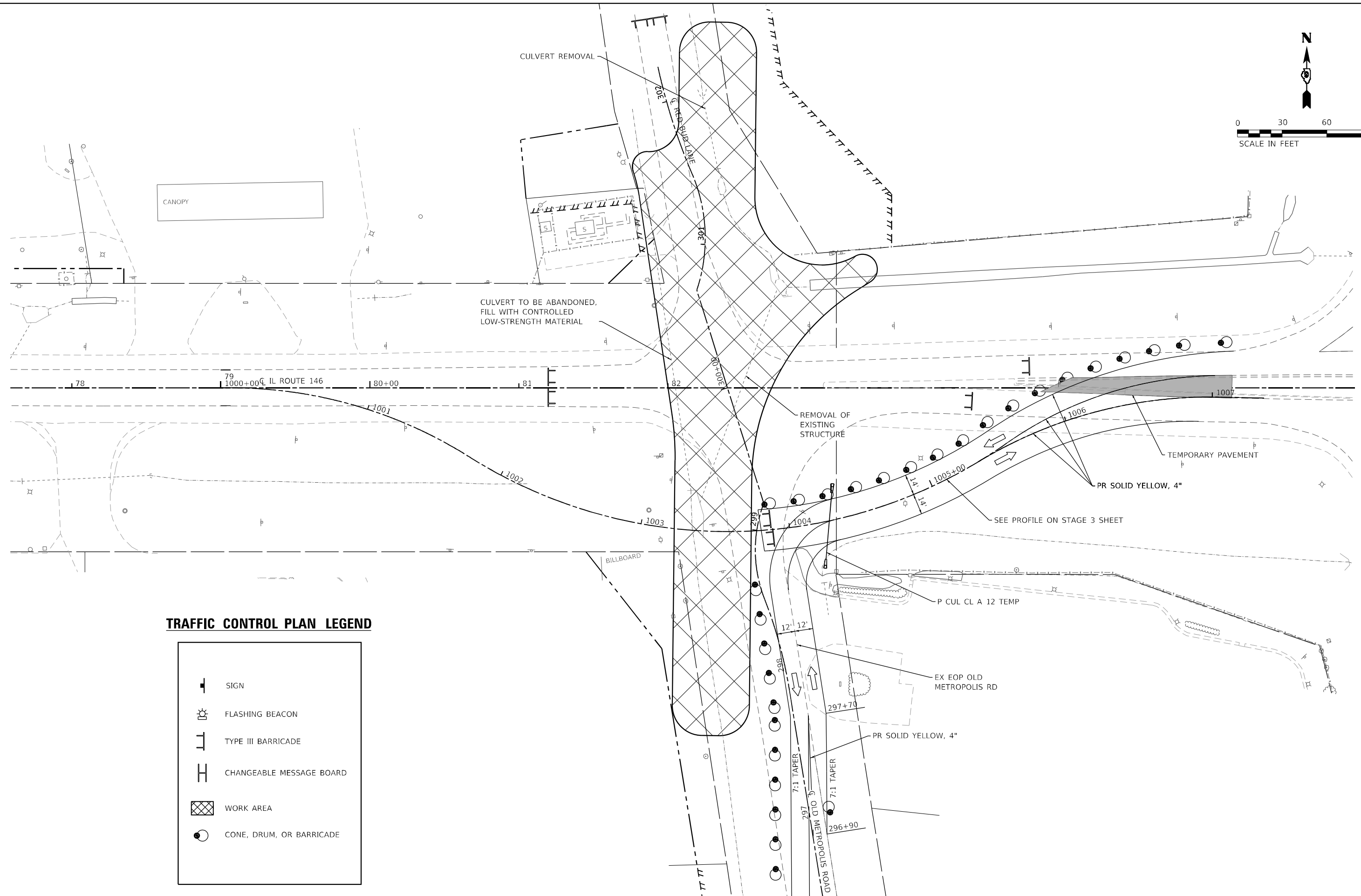
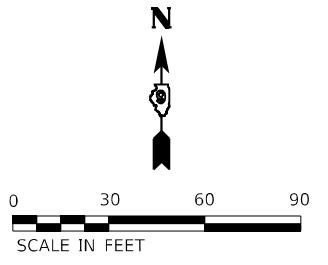
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 STAGE 2A**

SCALE: N/A    SHEET 4    OF 11 SHEETS    STA.    TO STA.

|                           |                |         |              |           |
|---------------------------|----------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 46        |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |



**TRAFFIC CONTROL PLAN LEGEND**

|  |                          |
|--|--------------------------|
|  | SIGN                     |
|  | FLASHING BEACON          |
|  | TYPE III BARRICADE       |
|  | CHANGEABLE MESSAGE BOARD |
|  | WORK AREA                |
|  | CONE, DRUM, OR BARRICADE |

MODEL SHEET 5 - Stage 2B  
 FILE NAME: I:\R220088 - I\DOT\_PTB\_106\_Item 61220088.017 - IL 146 Phase II\CADD\Microstation\CADD Drawings\09220088.017-Stg-2B.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = ryne.wiljes  
 PLOT SCALE = 60,0000 \* / in.  
 PLOT DATE = 3/27/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

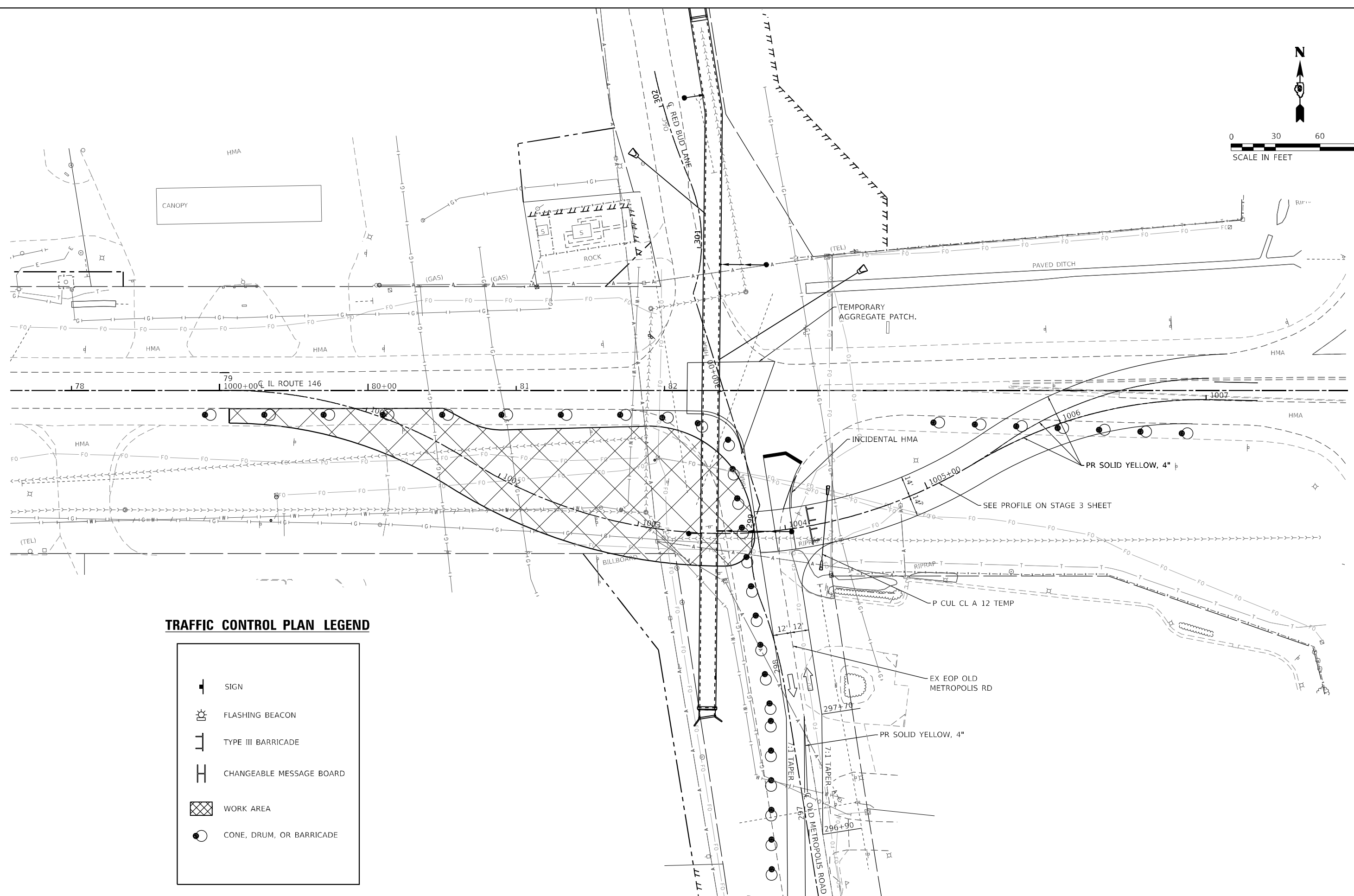
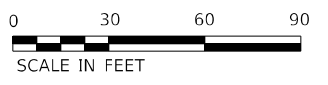
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 STAGE 2B**

SCALE: N/A    SHEET 5    OF 11 SHEETS    STA.    TO STA.

| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 885                       | 110(W-2, R5-5) | JOHNSON | 159          | 47        |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |



**TRAFFIC CONTROL PLAN LEGEND**

|  |                          |
|--|--------------------------|
|  | SIGN                     |
|  | FLASHING BEACON          |
|  | TYPE III BARRICADE       |
|  | CHANGEABLE MESSAGE BOARD |
|  | WORK AREA                |
|  | CONE, DRUM, OR BARRICADE |

MODEL SHEET 6 - Stage 2C  
FILE NAME: I:\22088 - IDOT\_PTB\_196\_Item 6\122088.017 - I1\_146\_Phase\_1\ICADD\Microstation\CADD\_Drawing\0922088.017\_Sht-Strainp.dgn



USER NAME = ryan.witjes  
 PLOT SCALE = 60,0000 \* / in.  
 PLOT DATE = 3/27/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

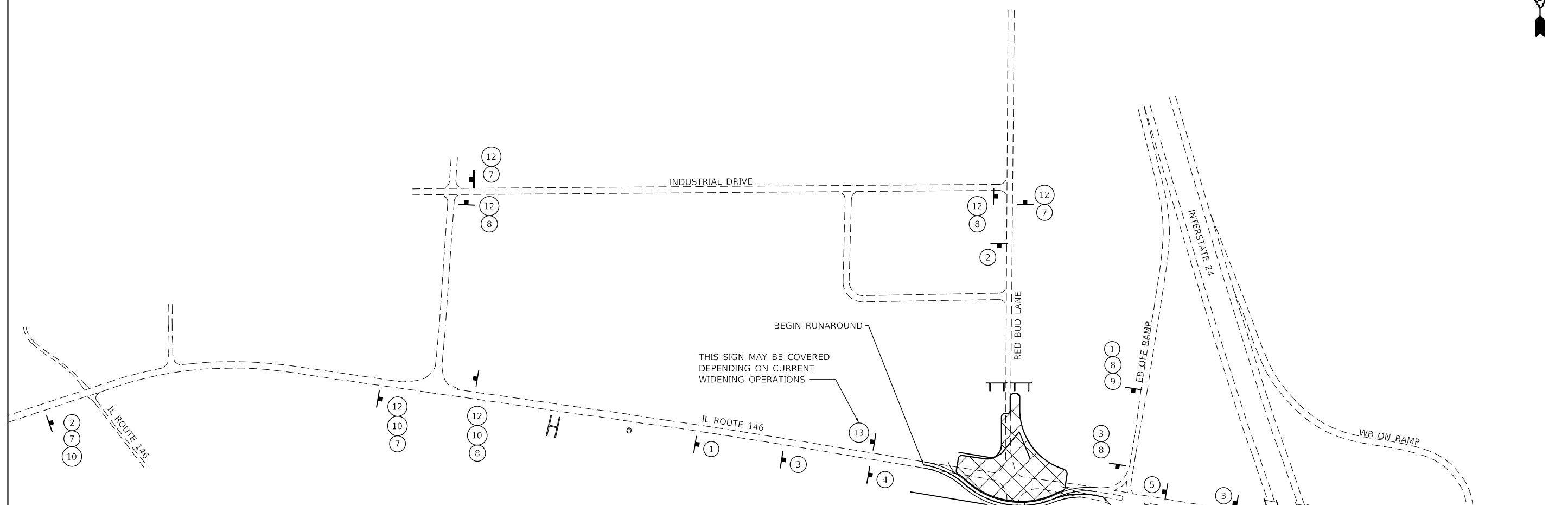
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 STAGE 2C**

SCALE: N/A    SHEET 6 OF 11 SHEETS    STA.    TO STA.

| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 48        |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |





**TRAFFIC CONTROL PLAN LEGEND**

|  |  |  |                    |  |                     |  |                          |
|--|--|--|--------------------|--|---------------------|--|--------------------------|
|  | ① W-20<br>48x48  |  | ⑤ W1-4L<br>48x48   |  | ⑫ M4-8<br>24X12     |  | SIGN                     |
|  | ② W-20<br>48x48  |  | ⑥ W4-4<br>24X12    |  | ⑬ G20-1103<br>60X36 |  | FLASHING BEACON          |
|  | ③ W2-1115(0)-36X18<br>R2-1 - 36X48<br>R2-1106P - 36X18 |  | ⑦ M5-1L<br>24X24   |  |                     |  | TYPE III BARRICADE       |
|  | ④ W1-4R<br>48x48                                       |  | ⑧ M5-1R<br>24X24   |  |                     |  | CHANGEABLE MESSAGE BOARD |
|  | ⑩ RED BUD<br>24X12                                     |  | ⑨ M1-1100<br>24X12 |  |                     |  | WORK AREA                |
|  | ⑪ R1-1<br>30   |  |                    |  |                     |  | CONE, DRUM, OR BARRICADE |

MODEL: Sheet 7 - Stage 3 Overall  
 FILE NAME: I:\R220088 - IDOT\_PTB\_P06\_Item 6\1220088.017 - IL 146 Phase II\CADD\MicroStation\CADD\_Drawing\09220088.017-SH-Stage3.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryne.witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 400,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

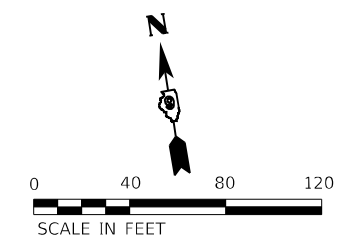
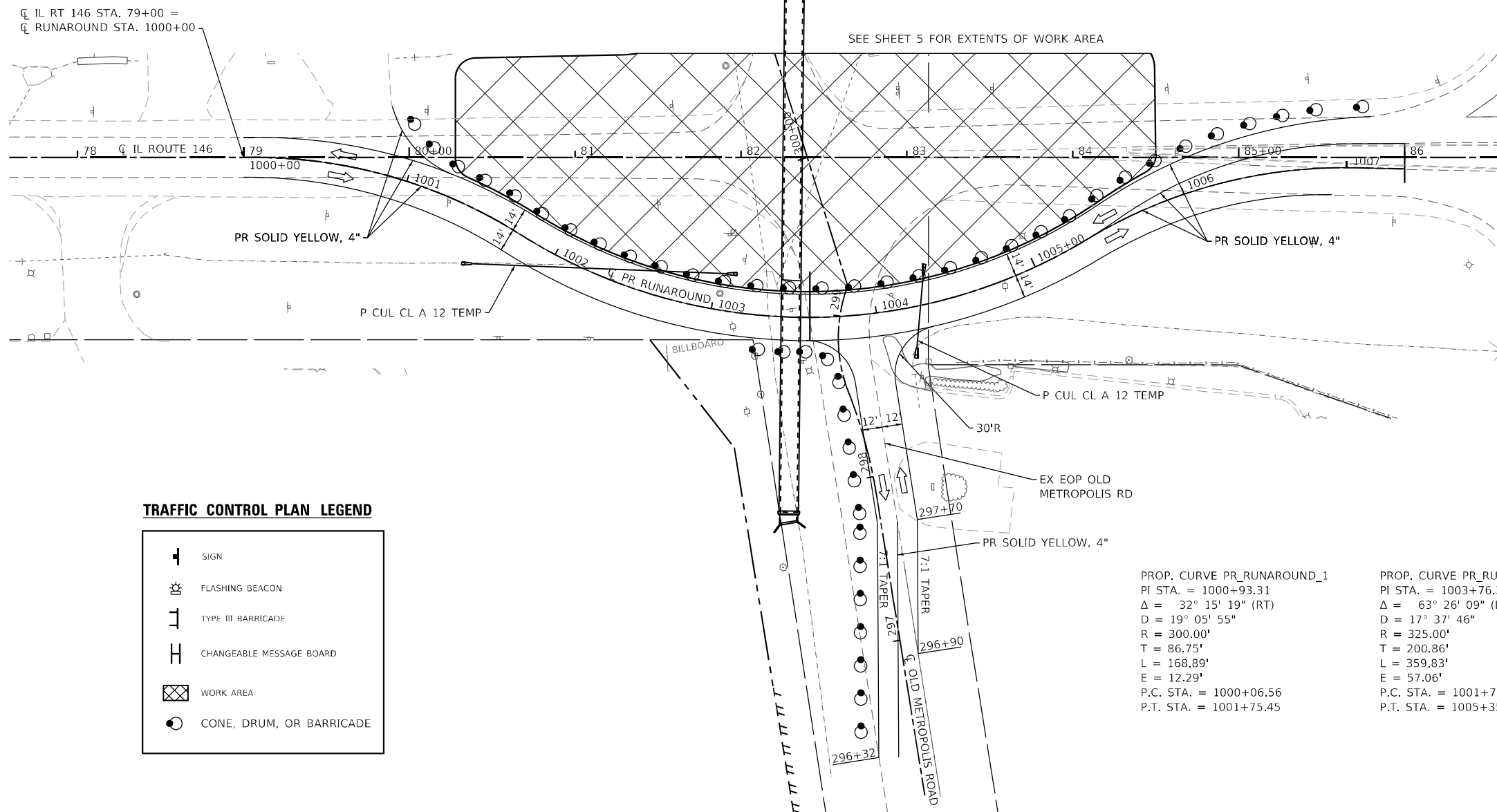
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| <b>ROUNDABOUT CONSTRUCTION STAGING:<br/>OVERALL SIGNING STAGE 3</b> |         |              |              |
| SCALE: N/A  | SHEET 7 | OF 11 SHEETS | STA. TO STA. |

| F.A.P. RTE.               | SECTION         | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|---------|--------------|-----------|
| 885                       | 110 (W-2, RS-5) | JOHNSON | 159          | 49        |
| CONTRACT NO. 78524        |                 |         |              |           |
| ILLINOIS FED. AID PROJECT |                 |         |              |           |

|      |                |      |
|------|----------------|------|
| PLAN | SURVEYED       | DATE |
|      | PLOTTED        | BY   |
|      | ALIGNED        |      |
|      | CHECKED        |      |
|      | CADD FILE NAME |      |
|      | NO.            |      |

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

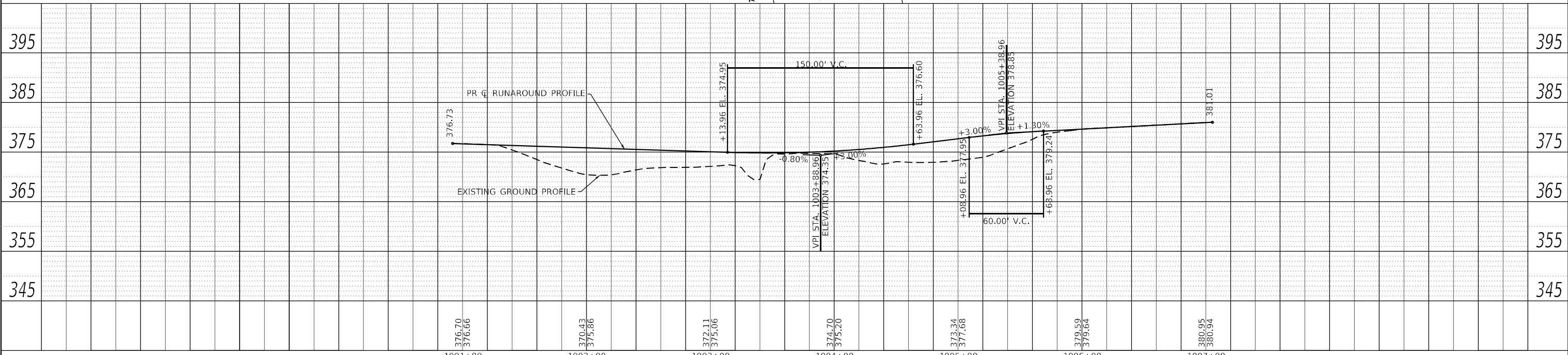
MODEL: Sheet 8 - Stage 3 Runaround  
 FILE NAME: H:\220088 - IDOT PFB - IL 146 Phase II\CADD\Drawings\9920088\0175-11-146-Runaround.dgn



**TRAFFIC CONTROL PLAN LEGEND**

|  |                          |
|--|--------------------------|
|  | SIGN                     |
|  | FLASHING BEACON          |
|  | TYPE III BARRICADE       |
|  | CHANGEABLE MESSAGE BOARD |
|  | WORK AREA                |
|  | CONE, DRUM, OR BARRICADE |

|  |   |  |
|--|---|--|
| PROP. CURVE PR_RUNAROUND_1<br>PI STA. = 1000+93.31<br>$\Delta = 32^\circ 15' 19''$ (RT)<br>$D = 19^\circ 05' 55''$<br>$R = 300.00'$<br>$T = 86.75'$<br>$L = 168.89'$<br>$E = 12.29'$<br>P.C. STA. = 1000+06.56<br>P.T. STA. = 1001+75.45 | PROP. CURVE PR_RUNAROUND_2<br>PI STA. = 1003+76.32<br>$\Delta = 63^\circ 26' 09''$ (LT)<br>$D = 17^\circ 37' 46''$<br>$R = 325.00'$<br>$T = 200.86'$<br>$L = 359.83'$<br>$E = 57.06'$<br>P.C. STA. = 1001+75.45<br>P.T. STA. = 1005+35.28 | PROP. CURVE PR_RUNAROUND_3<br>PI STA. = 1006+22.66<br>$\Delta = 32^\circ 28' 43''$ (RT)<br>$D = 19^\circ 05' 55''$<br>$R = 300.00'$<br>$T = 87.38'$<br>$L = 170.06'$<br>$E = 12.47'$<br>P.C. STA. = 1005+35.28<br>P.T. STA. = 1007+05.34 |
|--|---|--|



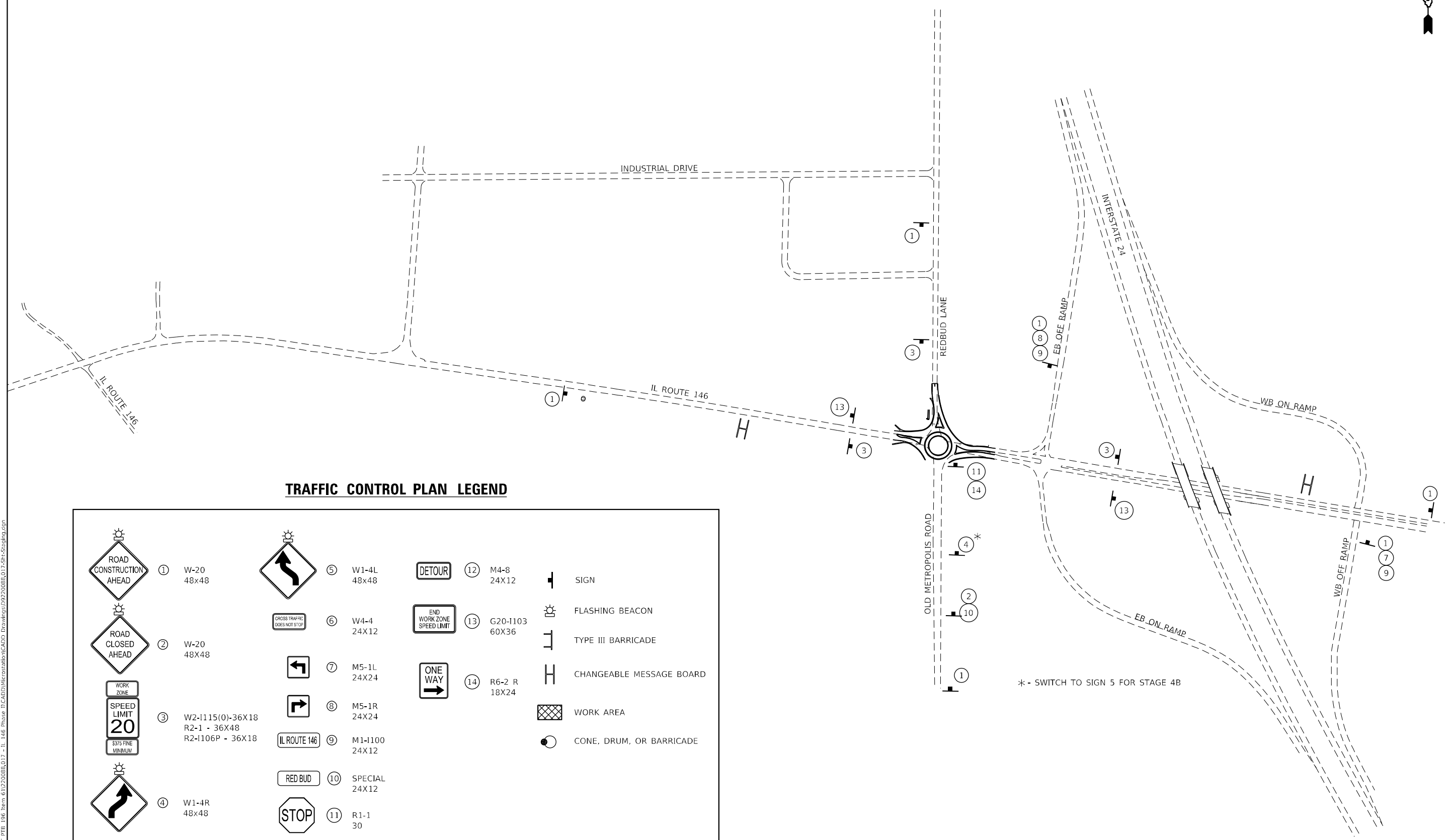
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjnr,wiljns      | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |         |              |              |
|--|---------|--------------|--------------|
| <b>ROUNDABOUT CONSTRUCTION STAGING<br/>STAGE 3 - RUNAROUND PLANS</b> |         |              |              |
| SCALE: 1" = 30'  | SHEET 8 | OF 11 SHEETS | STA. TO STA. |

|                           |                        |                |                  |              |
|---------------------------|------------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2, RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 50 |
| CONTRACT NO. 78524        |                        |                |                  |              |
| ILLINOIS FED. AID PROJECT |                        |                |                  |              |



**TRAFFIC CONTROL PLAN LEGEND**

|  |  |  |                     |  |                          |
|--|--|--|---------------------|--|--------------------------|
|  | ① W-20<br>48x48  |  | ⑫ M4-8<br>24X12     |  | SIGN                     |
|  | ② W-20<br>48X48  |  | ⑬ G20-I103<br>60X36 |  | FLASHING BEACON          |
|  | ③ W2-1115(0)-36X18<br>R2-1 - 36X48<br>R2-I106P - 36X18 |  | ⑭ R6-2 R<br>18X24   |  | TYPE III BARRICADE       |
|  |  |  |                     |  | CHANGEABLE MESSAGE BOARD |
|  |  |  |                     |  | WORK AREA                |
|  | ⑦ M5-1L<br>24X24                                       |  |                     |  | CONE, DRUM, OR BARRICADE |
|  | ⑧ M5-1R<br>24X24                                       |  |                     |  |                          |
|  | ⑨ M1-I100<br>24X12                                     |  |                     |  |                          |
|  | ④ W1-4R<br>48x48                                       |  |                     |  |                          |
|  | ⑩ SPECIAL<br>24X12                                     |  |                     |  |                          |
|  | ⑪ R1-1<br>30   |  |                     |  |                          |
|  | ⑫ M4-8<br>24X12  |  |                     |  |                          |
|  | ⑬ G20-I103<br>60X36                                    |  |                     |  |                          |
|  | ⑭ R6-2 R<br>18X24                                      |  |                     |  |                          |

MODEL: Sheet 9 - Stage 4 Overall  
 FILE NAME: I:\R220088 - IDOT\_PTB\_P06\_Item 6\1220088.017 - IL 146 Phase II\CADD\MicroStation\CADD\_Drawing\09220088.017-Stg4.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

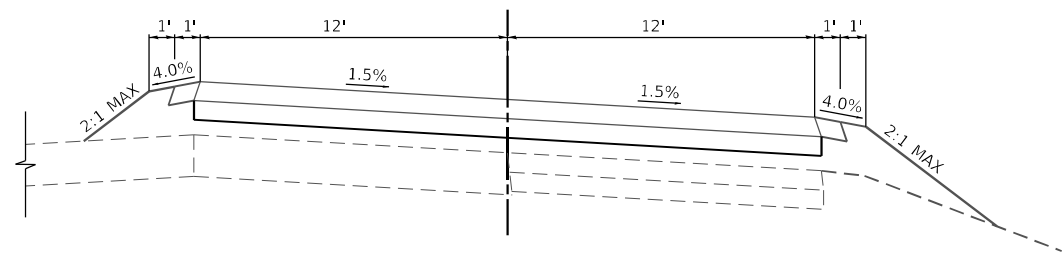


|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryne.witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 400,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

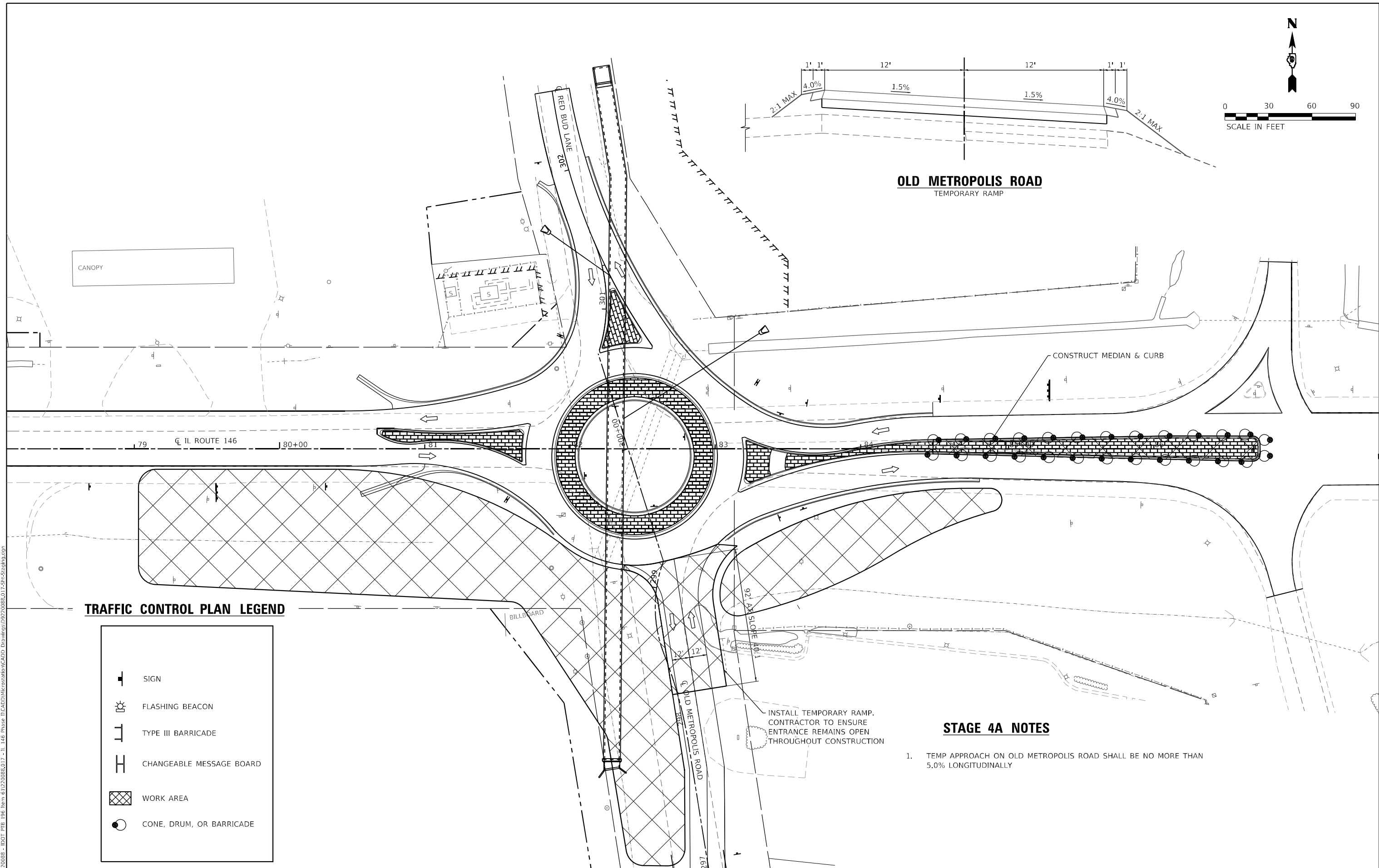
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|   |         |              |              |
|---|---------|--------------|--------------|
| <b>ROUNDABOUT CONSTRUCTION STAGING:<br/>OVERALL SIGNING STAGE 4</b> |         |              |              |
| SCALE: N/A  | SHEET 9 | OF 11 SHEETS | STA. TO STA. |

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 51        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



**OLD METROPOLIS ROAD**  
TEMPORARY RAMP



**TRAFFIC CONTROL PLAN LEGEND**

|  |                          |
|--|--------------------------|
|  | SIGN                     |
|  | FLASHING BEACON          |
|  | TYPE III BARRICADE       |
|  | CHANGEABLE MESSAGE BOARD |
|  | WORK AREA                |
|  | CONE, DRUM, OR BARRICADE |

INSTALL TEMPORARY RAMP.  
CONTRACTOR TO ENSURE  
ENTRANCE REMAINS OPEN  
THROUGHOUT CONSTRUCTION

**STAGE 4A NOTES**

- TEMP APPROACH ON OLD METROPOLIS ROAD SHALL BE NO MORE THAN 5.0% LONGITUDINALLY

MODEL: Sheet\_10 - Stage\_4A  
FILE NAME: I:\1220088-11\_146 Phase\_11\CADD\MicroStation\CADD Drawings\09220088\017-SH-Straging.dgn  
DATE: 3/27/2023



|                              |
|------------------------------|
| USER NAME = ryan.witjes      |
| PLOT SCALE = 60,0000 * / in. |
| PLOT DATE = 3/27/2023        |

|            |
|------------|
| DESIGNED - |
| DRAWN -    |
| CHECKED -  |
| DATE -     |

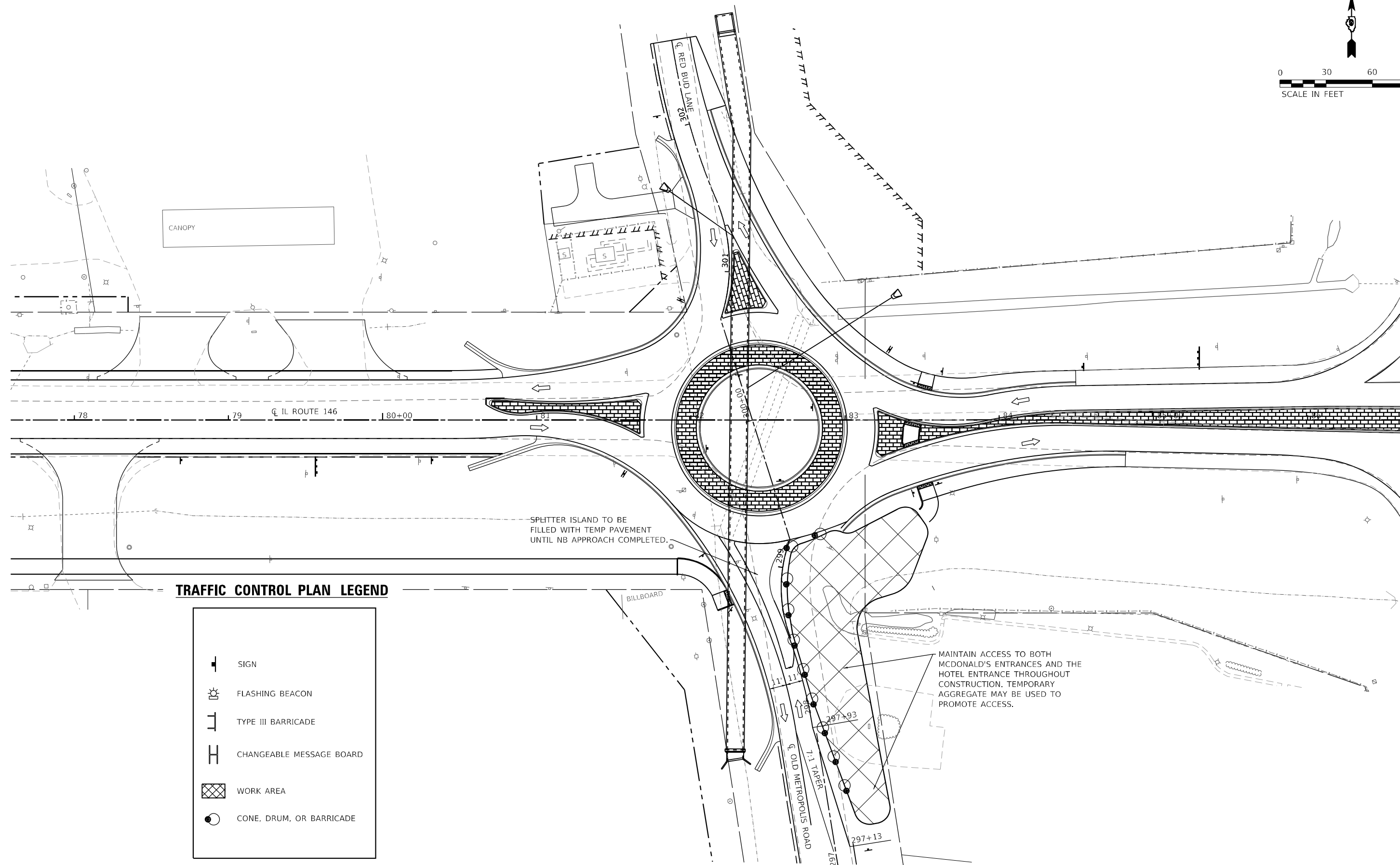
|           |
|-----------|
| REVISED - |
| REVISED - |
| REVISED - |
| REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**







**CONSTRUCTION STAGING:**  
**STAGE 4A**

SCALE: N/A SHEET 10 OF 11 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 52        |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |



**TRAFFIC CONTROL PLAN LEGEND**

-  SIGN
-  FLASHING BEACON
-  TYPE III BARRICADE
-  CHANGEABLE MESSAGE BOARD
-  WORK AREA
-  CONE, DRUM, OR BARRICADE

SPLITTER ISLAND TO BE FILLED WITH TEMP PAVEMENT UNTIL NB APPROACH COMPLETED.

MAINTAIN ACCESS TO BOTH MCDONALD'S ENTRANCES AND THE HOTEL ENTRANCE THROUGHOUT CONSTRUCTION. TEMPORARY AGGREGATE MAY BE USED TO PROMOTE ACCESS.

MODEL SHEET 11 - Stage 4B  
FILE NAME: I:\11220088-11\_11\_146 Phase 11\CADD\MicroStation\CADD Drawings\09220088.017-5H-Straging.dgn  
DATE: 3/27/2023



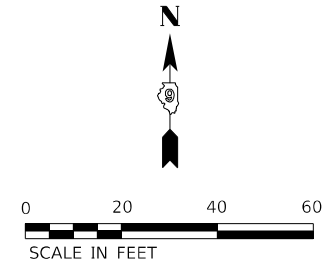
|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjnr,wiljcs      | DESIGNED - | REVISED - |
| PLOT SCALE = 60,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
STAGE 4B**

SCALE: N/A SHEET 11 OF 11 SHEETS STA. TO STA.

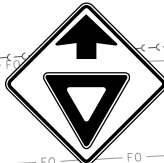
| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 53        |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |



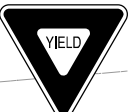
20  
MPH

W2-6  
30" X 30"  
W13-1P  
18" X 18"  
STA 78+69, RT

D1-5  
108" X 69"  
STA 79+57, RT



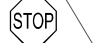
W3-2  
30" X 30"  
STA 80+32, RT



R1-2 (36" X 36") WITH  
R5-1 (30" X 30") ON BACK  
STA 81+57, RT



W11-2  
30" X 30"  
W16-7pL  
24" X 12"  
STA 299+00, LT



R1-1 (SHIELDED  
FROM TRAFFIC)  
18" X 18"  
STA 298+76, LT



W11-2  
30" X 30"  
W16-7pL  
24" X 12"  
STA 298+84, RT



R1-1 (SHIELDED  
FROM TRAFFIC)  
18" X 18"  
STA 299+08, RT



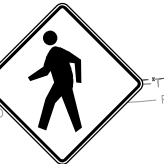
R1-2 (36" X 36") WITH  
R5-1 (30" X 30") ON BACK  
STA 299+19, RT



W11-2  
30" X 30"  
W16-7pL  
24" X 12"  
STA 83+44, RT



R1-1 (SHIELDED  
FROM TRAFFIC)  
18" X 18"  
STA 83+60, RT



W11-2  
30" X 30"  
W16-7pL  
24" X 12"  
STA 83+63, LT



R1-1 (SHIELDED  
FROM TRAFFIC)  
18" X 18"  
STA 83+45, LT



R1-2 (36" X 36") WITH  
R5-1 (30" X 30") ON BACK  
STA 83+29

1



R6-1r  
36" X 12"  
R6-4a  
48" X 24"

STA 82+26 RT  
STA 82+31 LT  
STA 82+58 RT  
STA 82+63 LT

ILLINOIS  
**146** EAST TO **24**  
Red Bud Lane Old Metropolis Road

MODEL 01  
FILE NAME: H:\P2\20088 - IDOT\_PTB\_196\_Item 6\1220088.017 - 11\_146\_Phase\_ILCAD\MicroStation\CADD\_Drawing\09220088.017.dwg.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = rjone,wiljes    | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

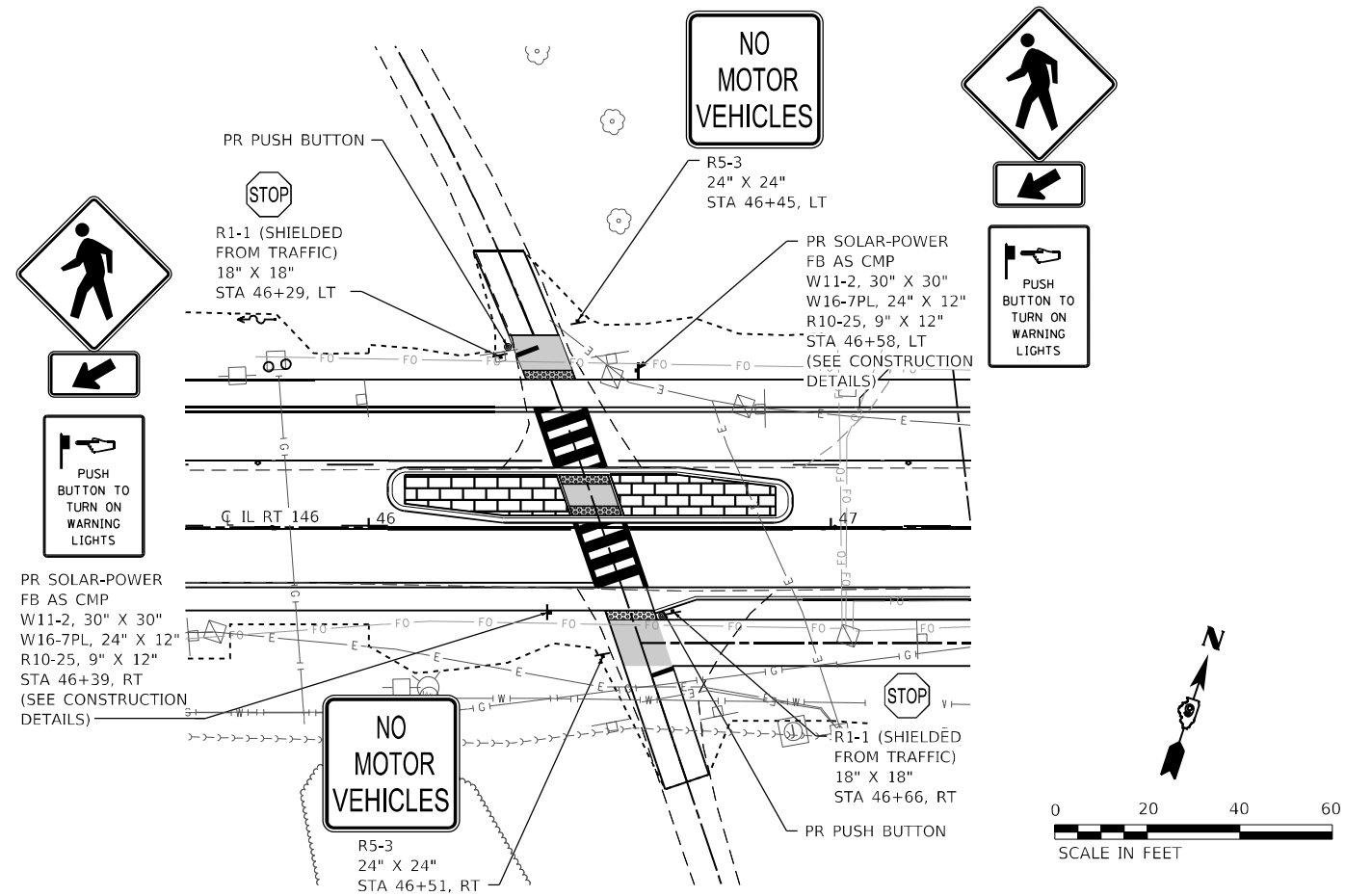
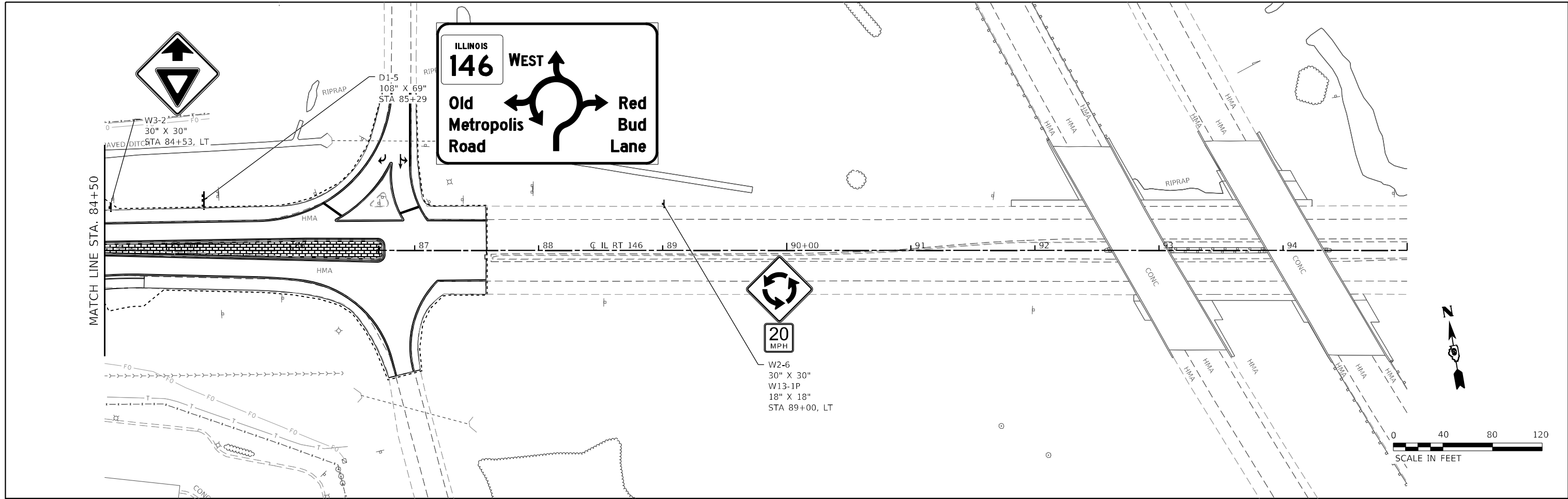
|            |           |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN -    | REVISED - |
| CHECKED -  | REVISED - |
| DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNAGE SHEETS

SCALE: 1" = 40' SHEET 1 OF 3 SHEETS STA. 298+00 TO STA. 301+86

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 54        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



MODEL\_03  
 FILE NAME: H:\P2\20088 - IDOT\_PTB\_P06\_Item 6\1220088.017 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\09220088.017-rt-ldp.dgn

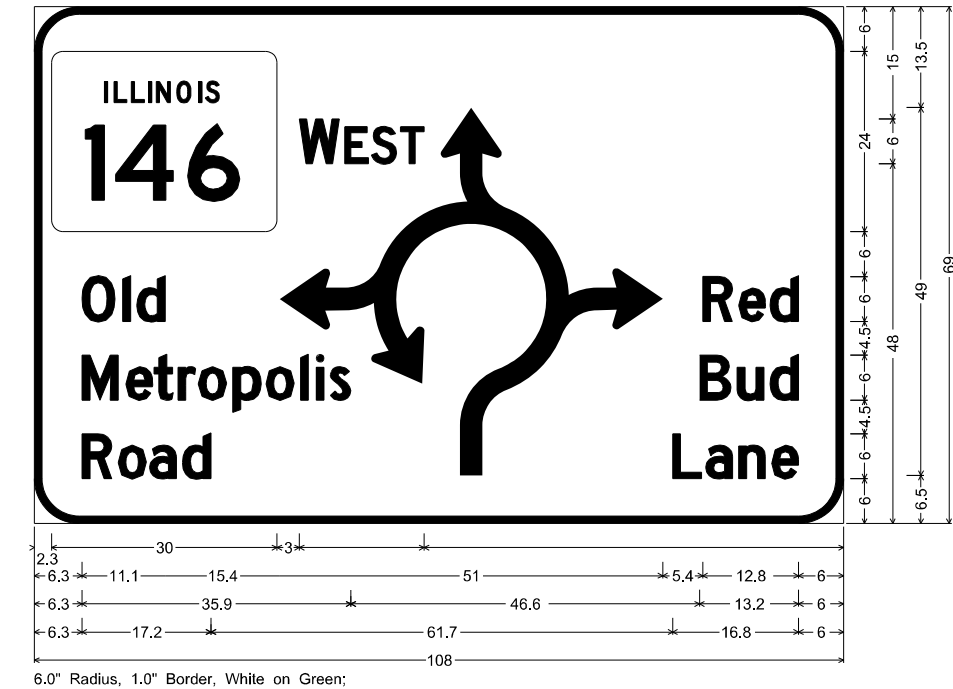
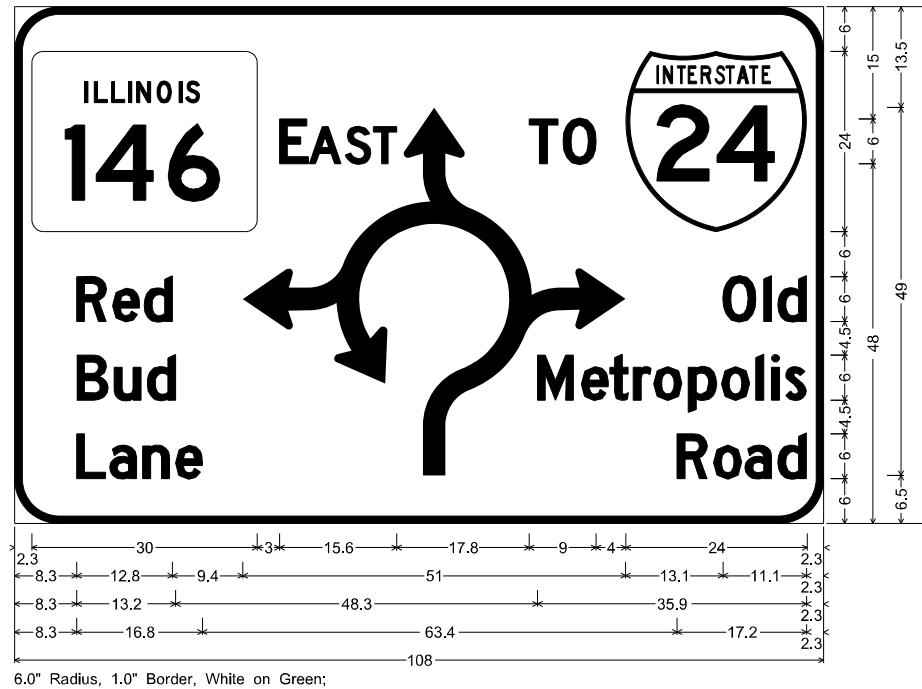
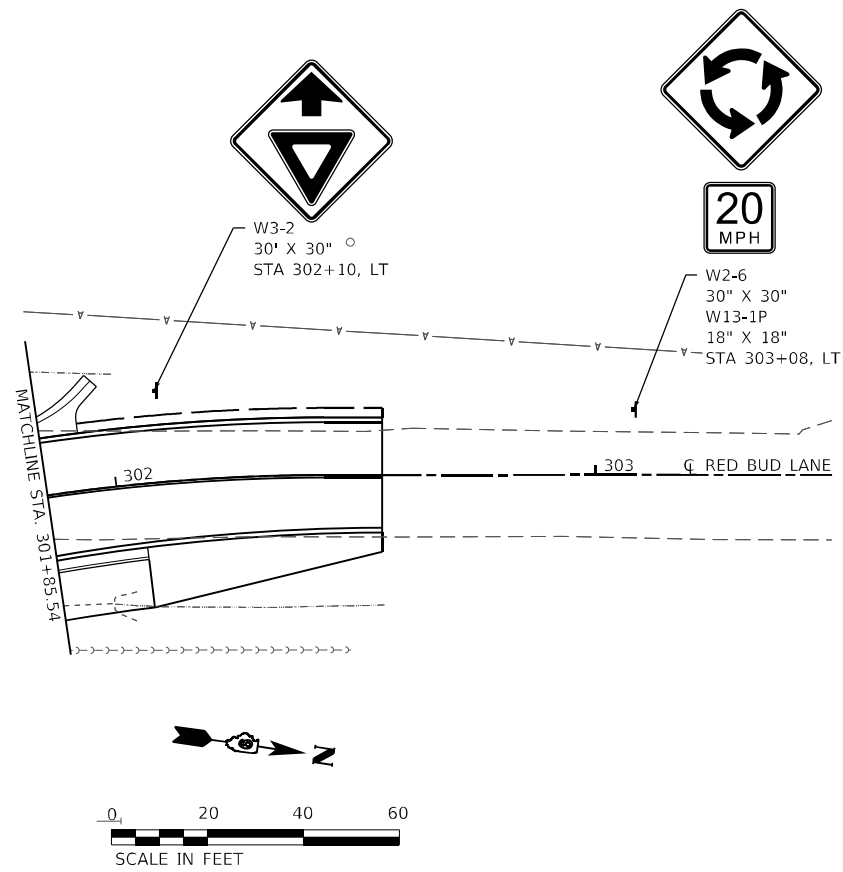


|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryne.witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 80.0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

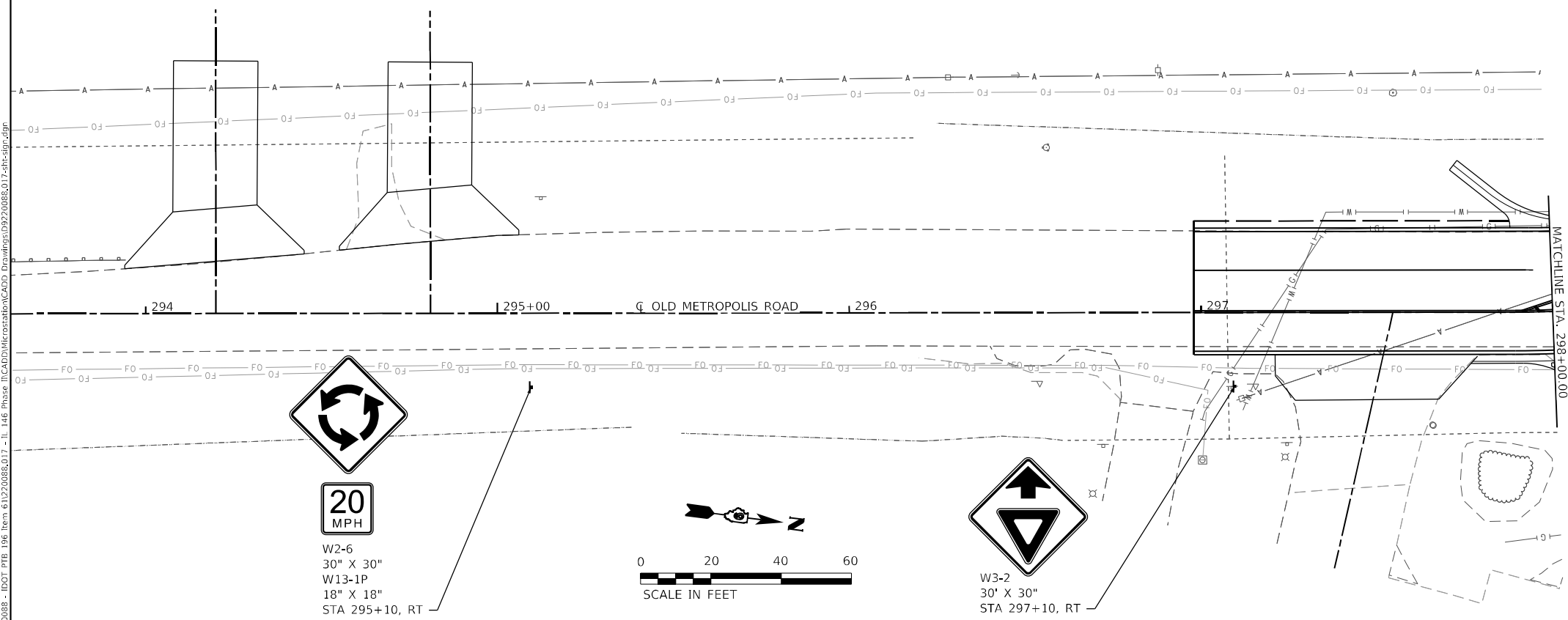
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIGNAGE SHEETS**  
 SCALE: 1" = 40'    SHEET 2 OF 3 SHEETS    STA. 85+00 TO STA. 95+00

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 55        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



**D1-5 SIGN DETAILS**



MODEL 03 OATES ASSOCIATES INC. 1146 Phase II CADD/Microstation/CADD Drawings/D9220885.017-2ht-sign.dwg



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = rjnr,witjes     | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0000 */ in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**SIGNAGE SHEETS**

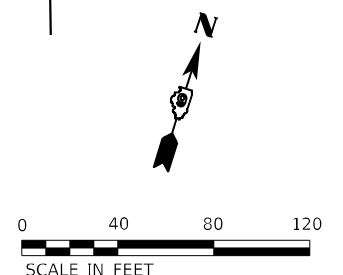
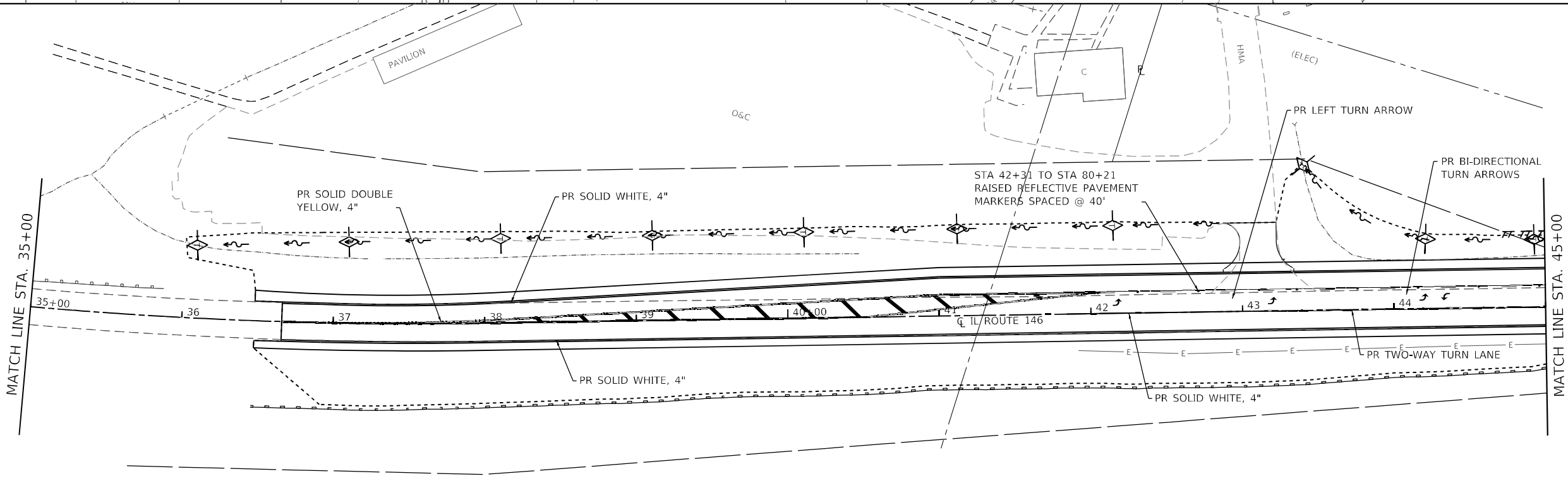
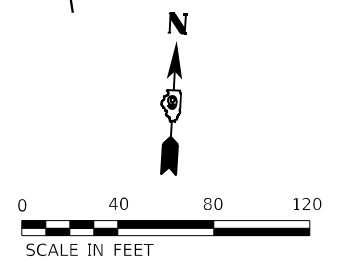
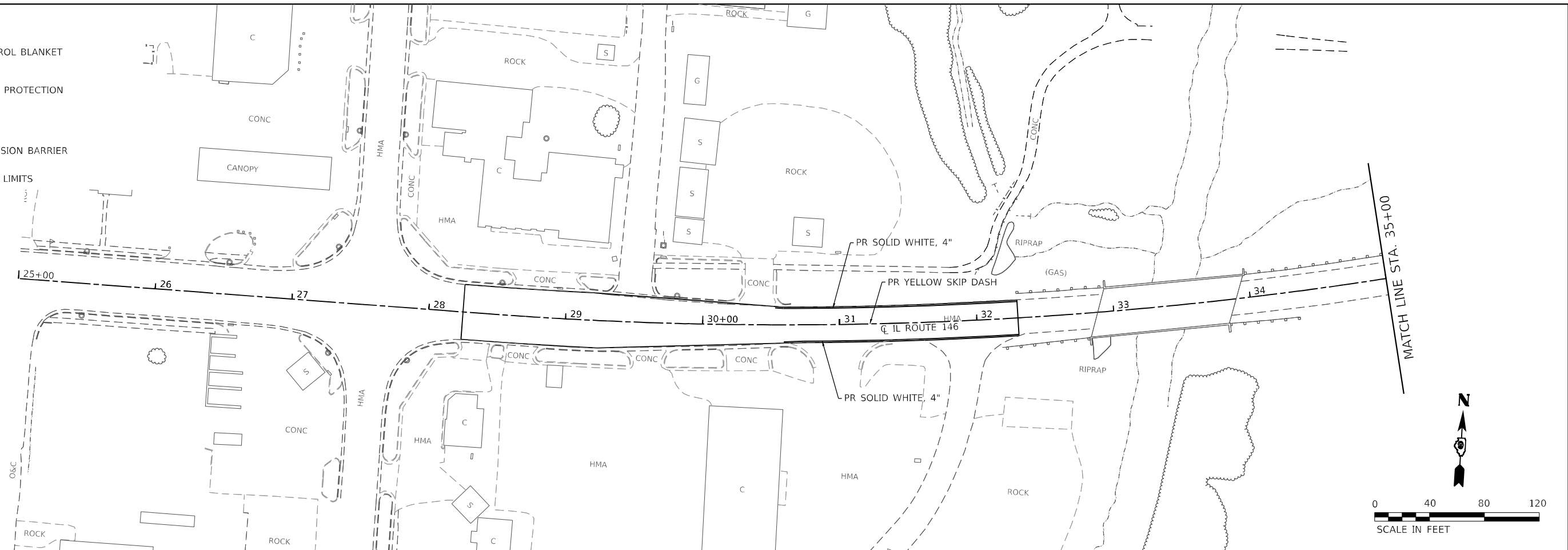
SCALE: 1" = 40'    SHEET 3    OF 3    SHEETS    STA.    TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 56        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



**EROSION CONTROL LEGEND**

-  EROSION CONTROL BLANKET
-  INLET AND PIPE PROTECTION
-  DITCH CHECK
-  PERIMETER EROSION BARRIER
-  CONSTRUCTION LIMITS



NOTE: SEE PAVEMENT MARKING DETAILS, SHEET 59

MODEL: \\p:\projects\110111\110111.dwg; USER: rjw; DATE: 3/27/2023; FILE: 110111.dwg; PROJECT: 110111; SHEET: 59; SCALE: 1"=40';



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjw,witjes       | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |






**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

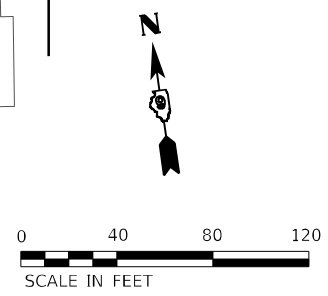
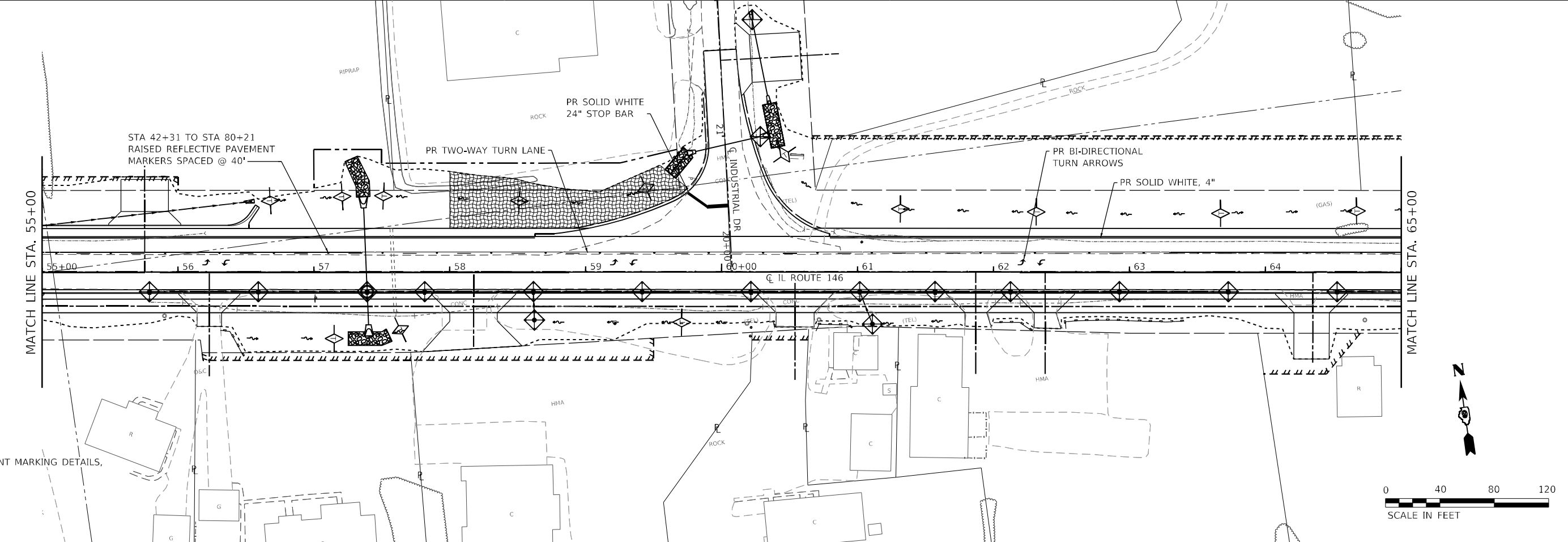
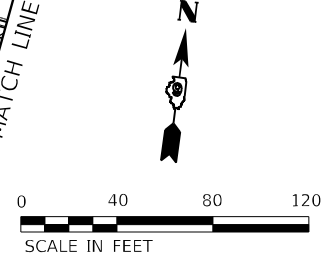
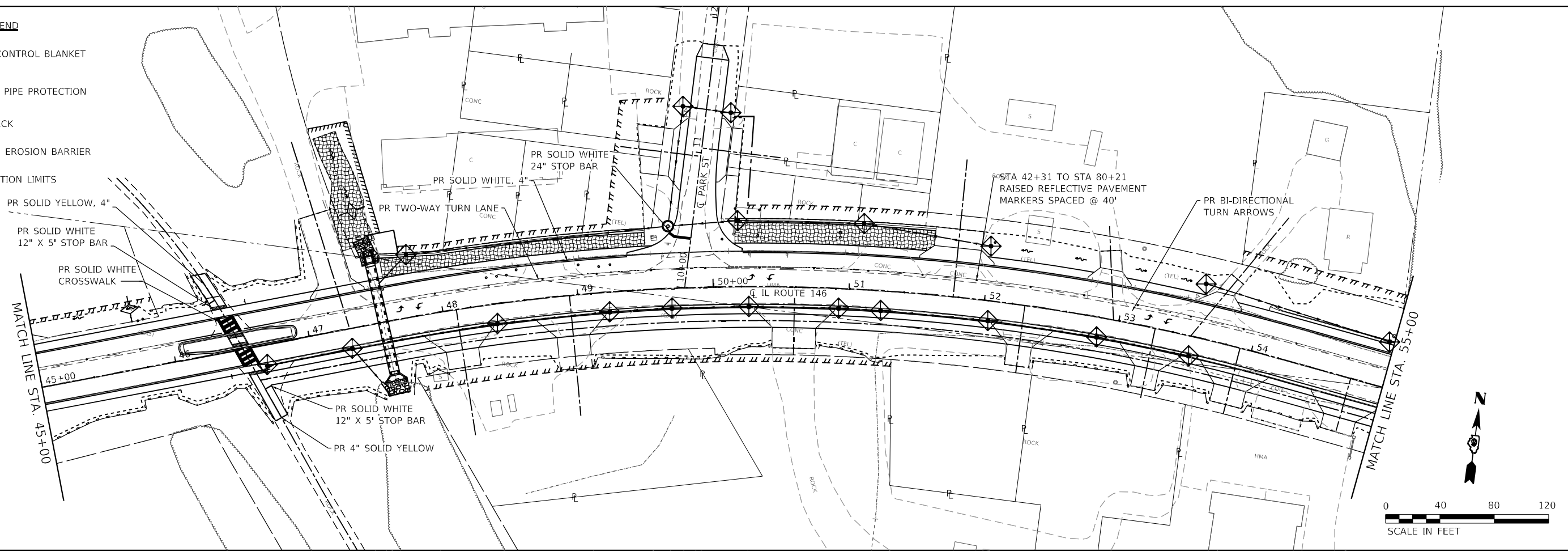
**PAVEMENT MARKING & EROSION CONTROL SHEETS**

SCALE: 1" = 40' SHEET 1 OF 5 SHEETS STA. 25+00 TO STA. 45+00

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 57 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

**EROSION CONTROL LEGEND**

-  EROSION CONTROL BLANKET
-  INLET AND PIPE PROTECTION
-  DITCH CHECK
-  PERIMETER EROSION BARRIER
-  CONSTRUCTION LIMITS



NOTE: SEE PAVEMENT MARKING DETAILS, SHEET 59

MODEL: \\p:\projects\885\1146\Phase 1\1146\_Plan\1146\_Plan\_CADD\MicroStation\CADD\_Drawing\1146\_Plan\1146\_Plan\_CADD\_Drawing\1146\_Plan\_CADD\_Drawing.dwg  
 FILE NAME: 1146\_Plan\_CADD\_Drawing.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjnr,witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**PAVEMENT MARKING & EROSION CONTROL SHEETS**

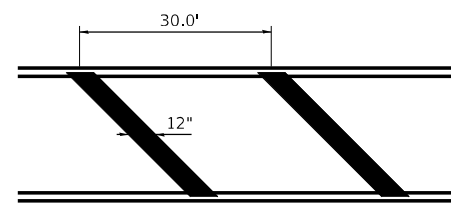
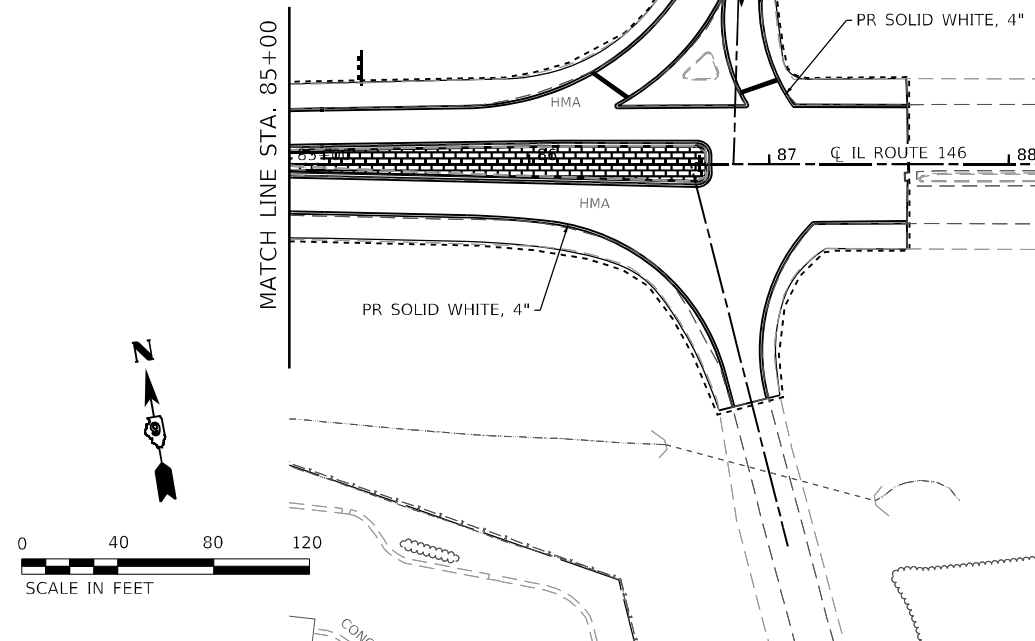
SCALE: 1" = 40' SHEET 2 OF 5 SHEETS STA. 45+00 TO STA. 65+00

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 58 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

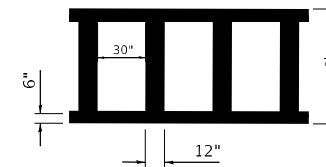


**EROSION CONTROL LEGEND**

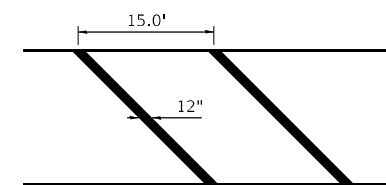
-  EROSION CONTROL BLANKET
-  INLET AND PIPE PROTECTION
-  DITCH CHECK
-  PERIMETER EROSION BARRIER
-  CONSTRUCTION LIMITS



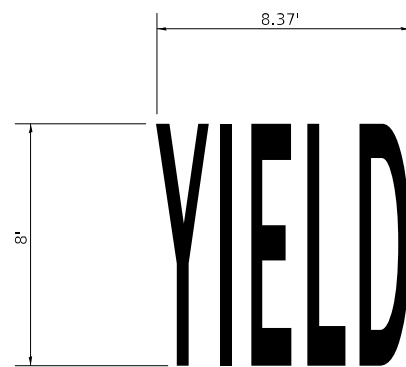
**VOID HATCHING - REGULAR**  
STA 38+00 TO STA 42+00



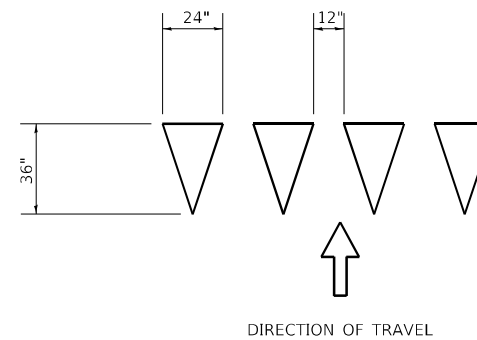
**CROSSWALK DETAIL**



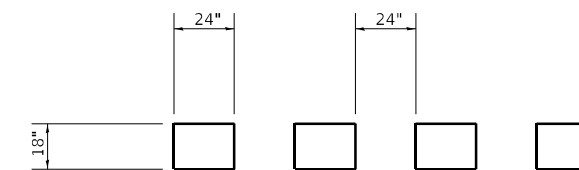
**VOID HATCHING - ROUNDABOUT**  
STA 80+15 TO STA 81+78



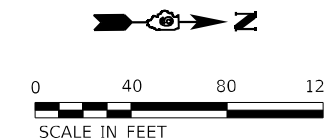
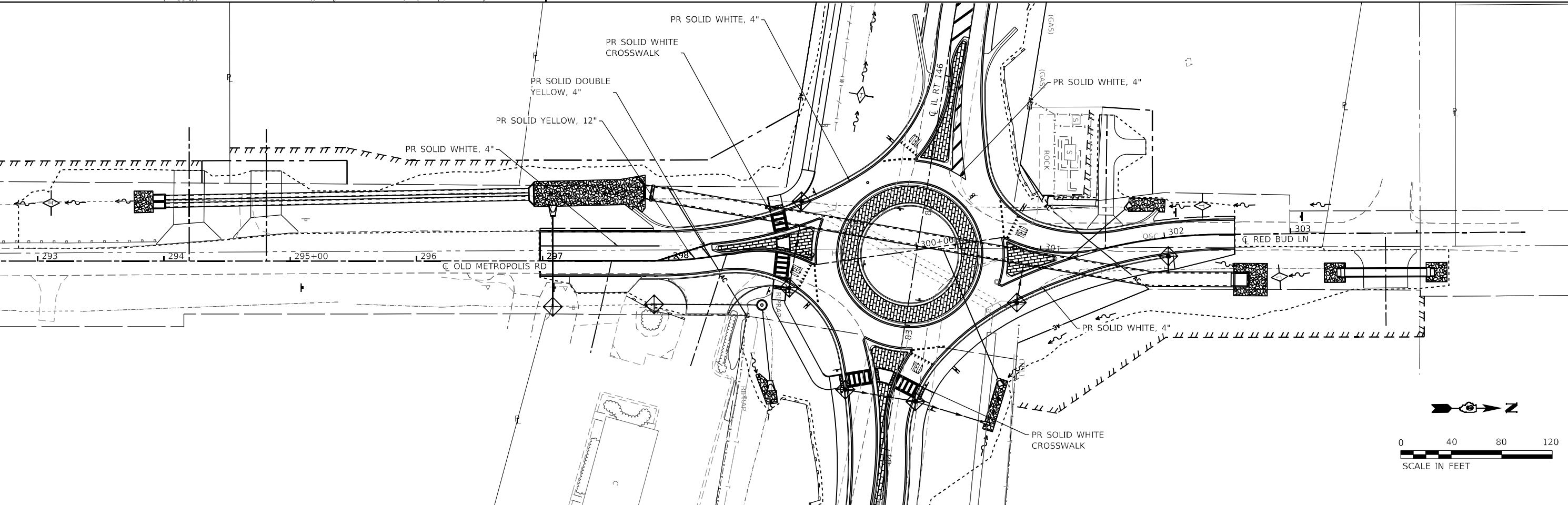
**"YIELD" PAVEMENT MARKING DIMENSIONS**



**"SHARK TEETH" YIELD TRIANGLES**



**DASHED ROUNDABOUT ENTRY MARKINGS**



MODEL: \\p1p1\share4\...  
 FILE NAME: I:\R2\20088 - IDOT\PTB\96\_Item 6102\20088.017 - IL 146 Phase II\CADD\Microstation\CADD\_Drawing\09220088.017.dwg-pmk-eros.dgn



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryan,wiljes      | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING & EROSION CONTROL SHEETS  
PAVEMENT MARKING DETAILS**

SCALE: 1" = 40' SHEET 4 OF 5 SHEETS STA. 85+00 TO STA. 95+00

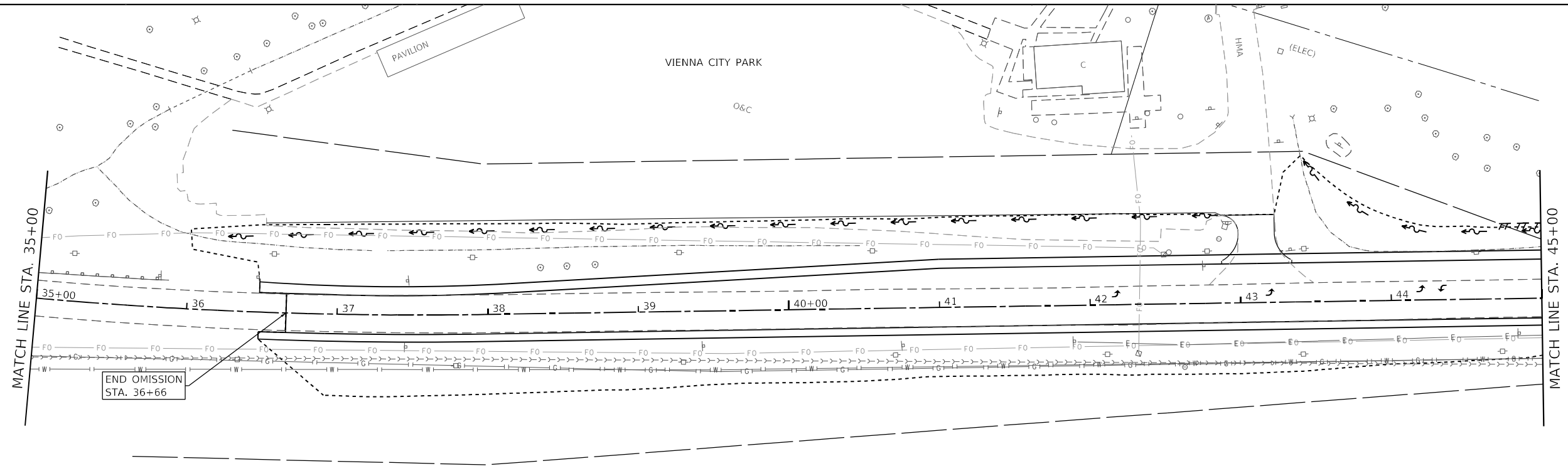
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 60        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



|      |                   |      |
|------|-------------------|------|
| PLAN | SURVEYED          | DATE |
|      | PLOTTED           |      |
|      | ALIGNMENT CHECKED |      |
|      | NOTE BOOK         |      |
|      | NO.               |      |
|      | CADD FILE NAME    |      |

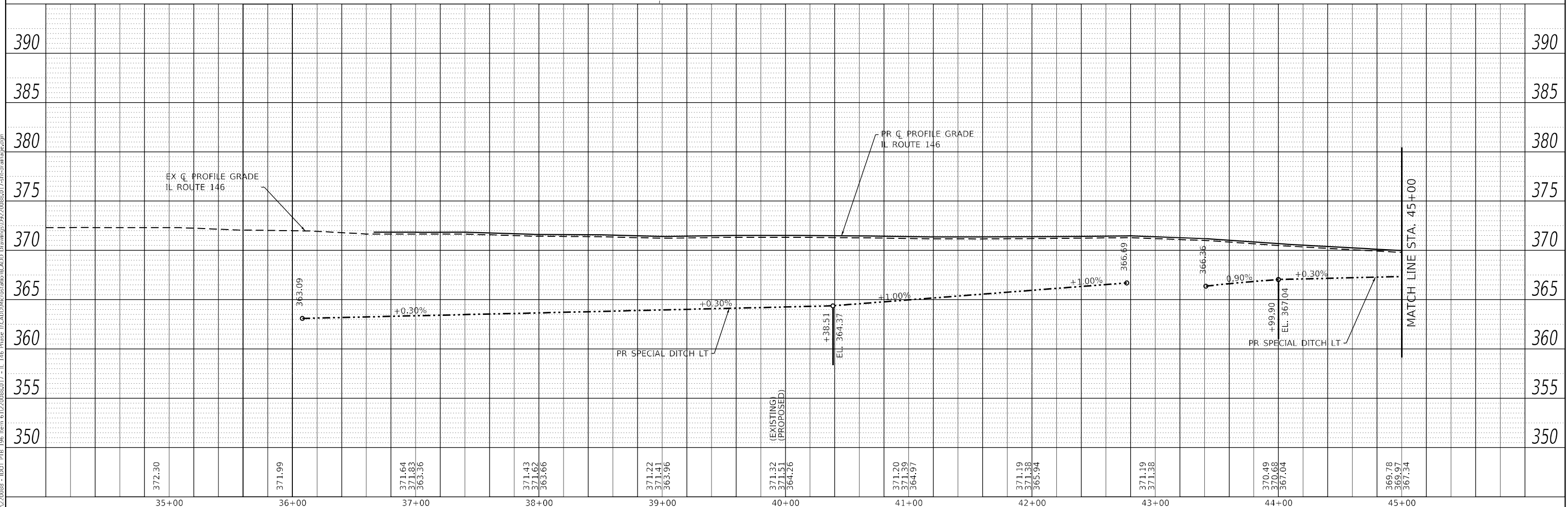
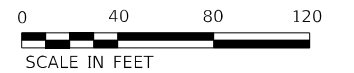
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|         | PLOTTED            |      |
|         | GRADES CHECKED     |      |
|         | NOTE BOOK          |      |
|         | NO.                |      |
|         | STRUCTURE NOTATION |      |

MODEL: Sheet 1  
 FILE NAME: H:\2220088 - IDOT-PTB 196 Item 612220088.DWG - II\_116 Phase II\CADD\Drawings\19270088.DWG\116-116-116.dwg



**LEGEND**

- PROPOSED DITCH
- LIMITS OF CONSTRUCTION

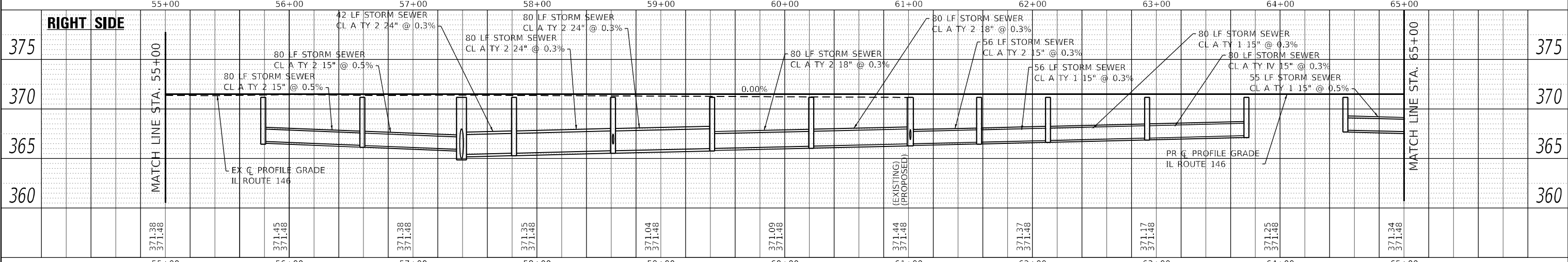
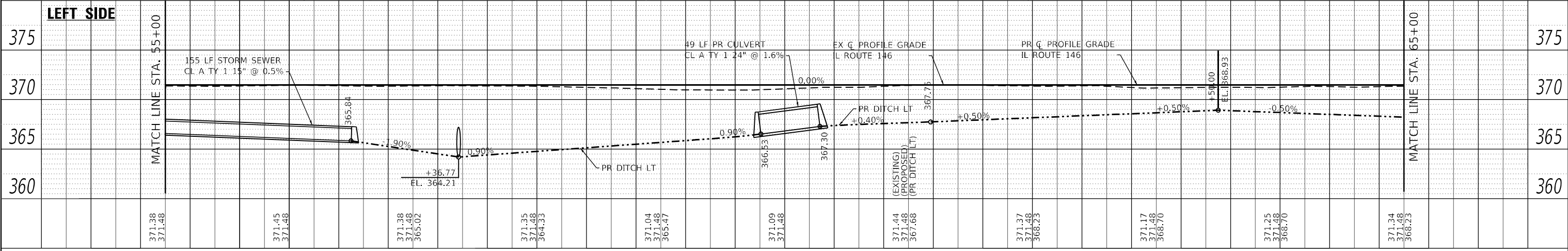
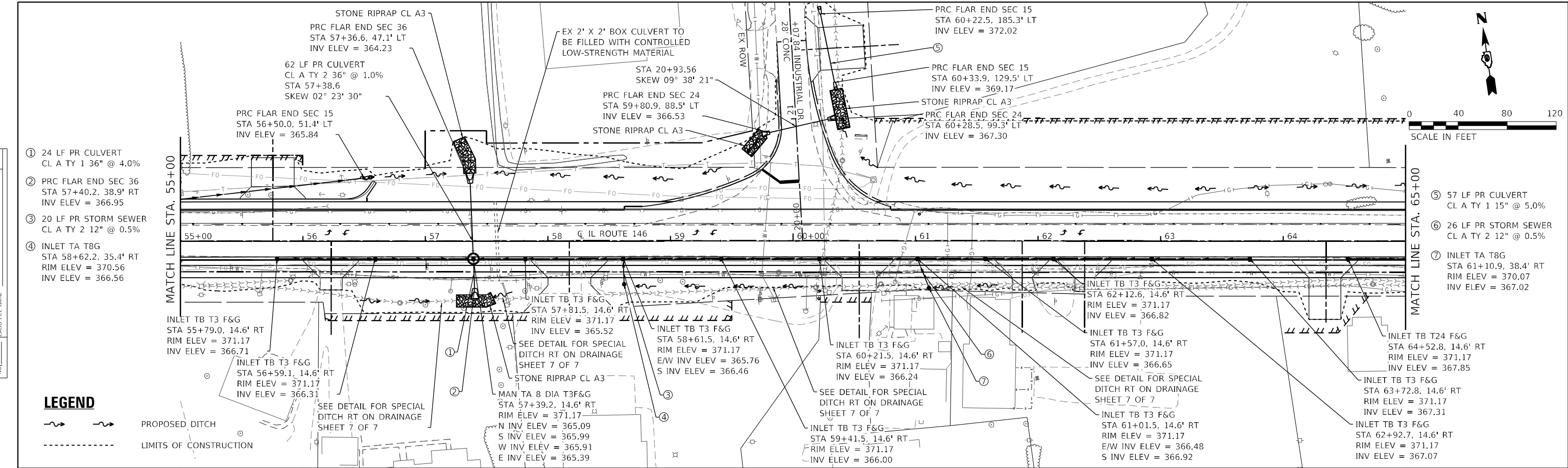


|  |  |   |   |   |  |
|--|--|---|---|---|--|
| <br>OATES ASSOCIATES<br>ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115 | USER NAME = rjnr,wilfjes<br>DESIGNED -<br>DRAWN -<br>PLOT SCALE = 80,0000 * / in.<br>PLOT DATE = 3/27/2023 | REVISIONS<br>REVISION NO.   DATE   DESCRIPTION<br>1      <br>2      <br>3      <br>4      <br>5 | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | DRAINAGE SHEETS<br>SCALE: 1" = 40'<br>SHEET 1 OF 7 SHEETS<br>STA. 35+00 TO STA. 45+00 | F.A.P. RTE. 885<br>SECTION 110(W-2, RS-5)<br>COUNTY JOHNSON<br>TOTAL SHEETS 159<br>SHEET NO. 62<br>CONTRACT NO. 78524<br>ILLINOIS FED. AID PROJECT |
|--|--|---|---|---|--|



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

|         |                    |
|---------|--------------------|
| DATE    |                    |
| BY      |                    |
| PROFILE | SURVEYED           |
|         | PLOTTED            |
|         | GRADES CHECKED     |
|         | STRUCTURE NOTATION |
|         | DATE               |
|         | NO.                |
|         | FILE NAME          |



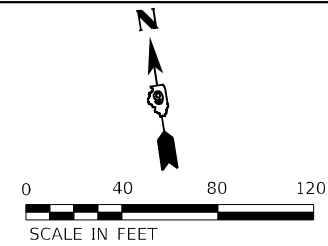
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|---|---|---|---|---|---|
| <br>OATES ASSOCIATES<br>www.oatesassociates.com<br>ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115 | USER NAME = rjw,mlfj<br>DESIGNED -<br>CHECKED -<br>PLOT SCALE = 80,0000' / in.<br>DRAWN -<br>CHECKED -<br>PLOT DATE = 3/27/2023 | DESIGNED -<br>CHECKED -<br>DRAWN -<br>CHECKED -<br>REVISIONS:<br>1. REVISED -<br>2. REVISED -<br>3. REVISED -<br>4. REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | DRAINAGE SHEETS<br>SCALE: 1" = 40'<br>SHEET 3 OF 7 SHEETS<br>STA. 55+00 TO STA. 65+00 | F.A.P. RTE. 885<br>SECTION 110(W-2,RS-5)<br>COUNTY JOHNSON<br>TOTAL SHEETS 159<br>SHEET NO. 64<br>CONTRACT NO. 78524<br>ILLINOIS FED. AID PROJECT |
|---|---|---|---|---|---|



**LEGEND**

- PROPOSED DITCH
- LIMITS OF CONSTRUCTION

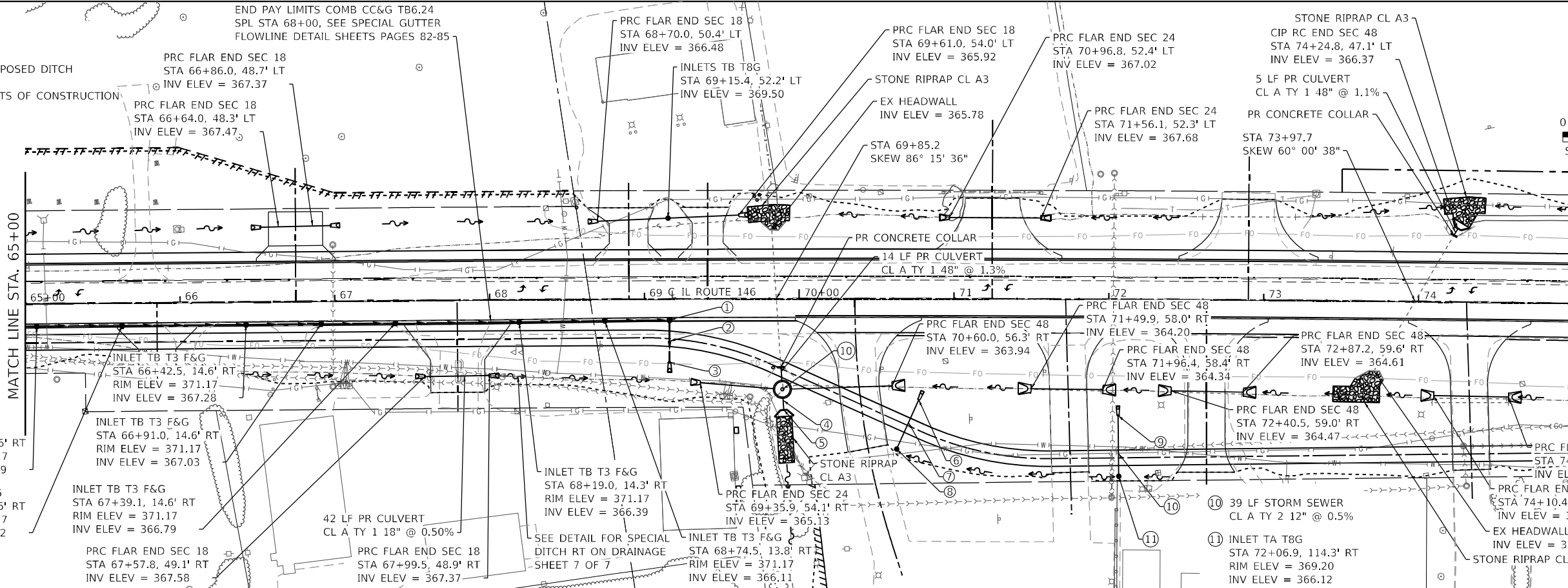
END PAY LIMITS COMB CC&G TB6.24  
SPL STA 68+00, SEE SPECIAL GUTTER  
FLOWLINE DETAIL SHEETS PAGES 82-85



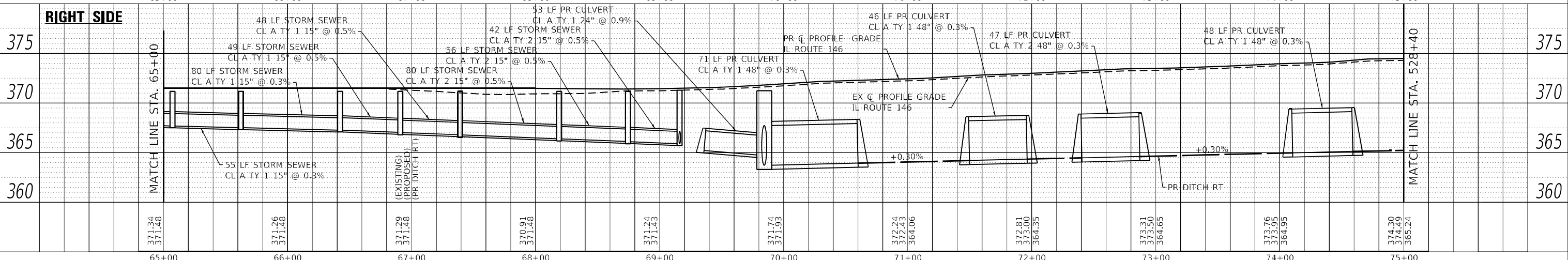
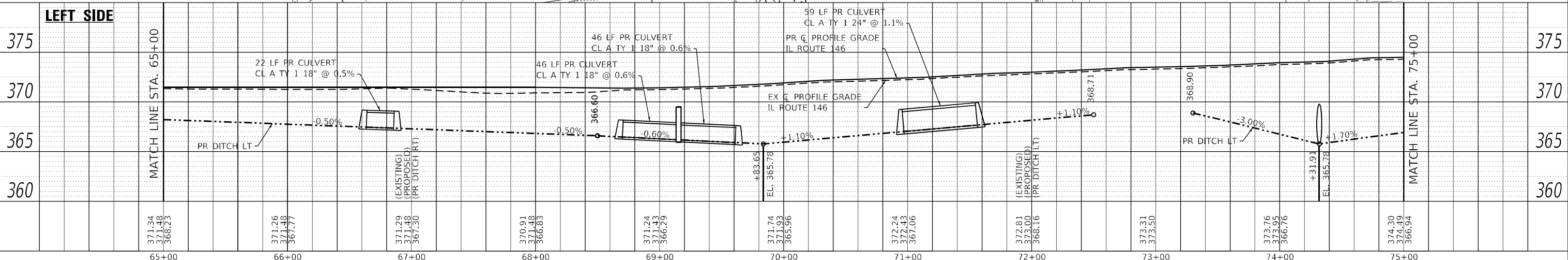
|      |           |
|------|-----------|
| DATE |           |
| BY   |           |
| PLAN | SURVEYED  |
|      | PLOTTED   |
|      | ALIGNED   |
|      | CHECKED   |
|      | DATE      |
|      | NO.       |
|      | FILE NAME |

- ① INLET TB T3 F&G  
STA 69+16.2, 13.5' RT  
RIM ELEV = 371.29  
INV ELEV = 365.90
- ② 27 LF PR STORM SEWER  
CL A TY 2 15" @ 2.2%
- ③ PRC FLAR END SEC 15  
STA 69+16.2, 41.0' RT  
INV ELEV = 365.30
- ④ 11 LF PR STORM SEWER  
CL A TY 1 48" @ 0.5%
- ⑤ CIP RC END SEC 48  
STA 69+89.8, 71.6' RT  
INV ELEV = 363.68

- ⑥ PRC FLAR END SEC 12  
STA 70+77.3, 65.3' RT  
INV ELEV = 364.41
- ⑦ 35 LF STORM SEWER  
CL A TY 2 12" @ 0.5%
- ⑧ INLET TA T8G  
STA 70+63.0, 97.2' RT  
RIM ELEV = 368.69  
INV ELEV = 364.58
- ⑨ PRC FLAR END SEC 12  
STA 72+06.4, 80.1' RT  
INV ELEV = 365.95
- ⑩ MAN TA 10 DIA TIF CL  
STA 69+88.9, 58.6' RT  
RIM ELEV = 370.55  
N INV ELEV = 364.47  
E/S INV ELEV = 363.72



|         |                    |
|---------|--------------------|
| DATE    |                    |
| BY      |                    |
| PROFILE | SURVEYED           |
|         | PLOTTED            |
|         | GRADES CHECKED     |
|         | STRUCTURE NOTATION |
|         | DATE               |
|         | NO.                |
|         | FILE NAME          |



MODEL: Sheet 4  
FILE NAME: H:\2220088 - IDOT - P16 - I1 - I16 Phase II\CADD\Drawings\09220088\0175\116\drainage.dwg



|                              |            |          |
|------------------------------|------------|----------|
| USER NAME = ryan.witjes      | DESIGNED - | REVISD - |
|                              | CHECKED -  | REVISD - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISD - |
| PLOT DATE = 3/30/2023        | CHECKED -  | REVISD - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SHEETS**

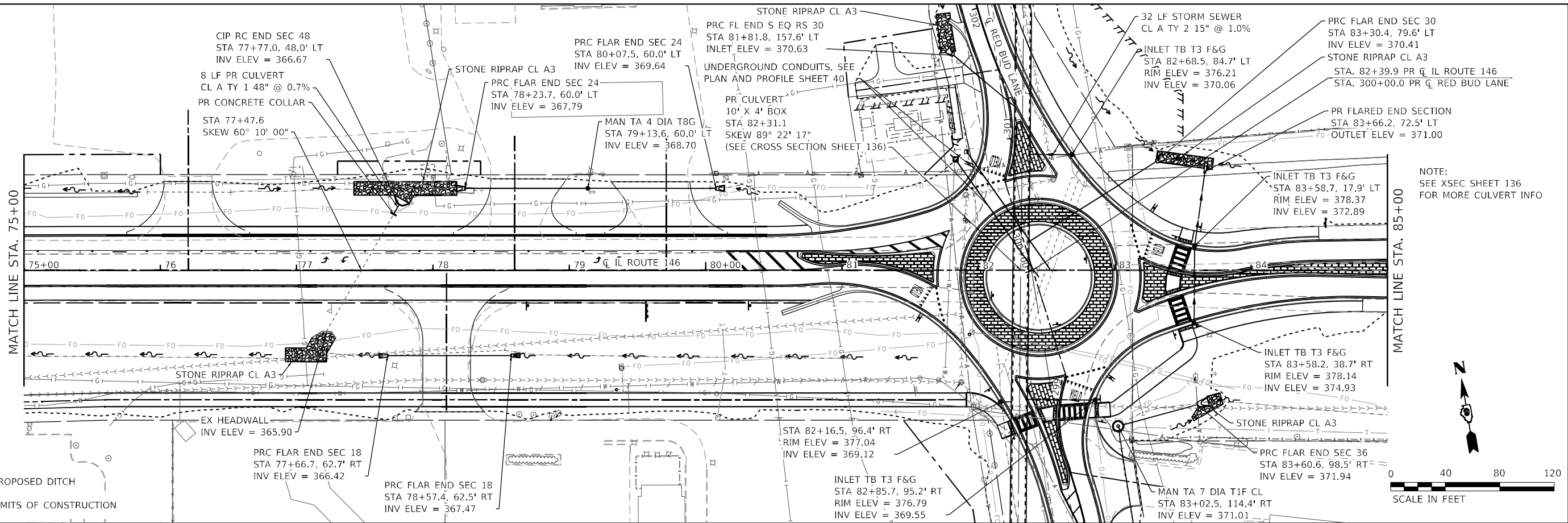
SCALE: 1" = 40" SHEET 4 OF 7 SHEETS STA. 65+00 TO STA. 75+00

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 65 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

|      |           |           |
|------|-----------|-----------|
| PLAN | SURVEYED  | DATE      |
|      | PLOTTED   | BY        |
|      | ALIGNED   | CHECKED   |
|      | GRADED    | NO. _____ |
|      | STRUCTURE | NOTARIS   |
|      | FILE NAME | _____     |
|      | NO.       | _____     |

|         |           |         |
|---------|-----------|---------|
| PROFILE | SURVEYED  | DATE    |
|         | PLOTTED   | BY      |
|         | GRADED    | CHECKED |
|         | STRUCTURE | NOTARIS |
|         | FILE NAME | _____   |
|         | NO.       | _____   |

MODEL: Sheet 5  
 FILE NAME: H:\2220088 - IDOT - P1B - 116 Phase II\CADD\Water\cadd\p1b\cadd\75+00\drainage.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

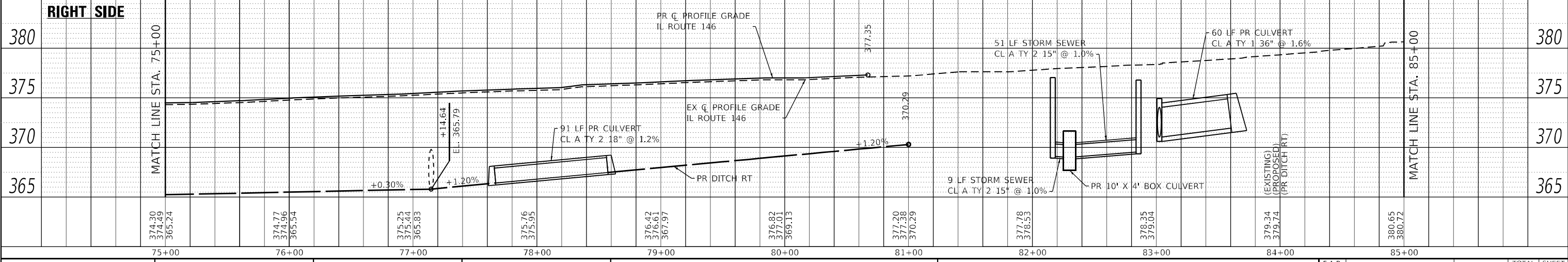
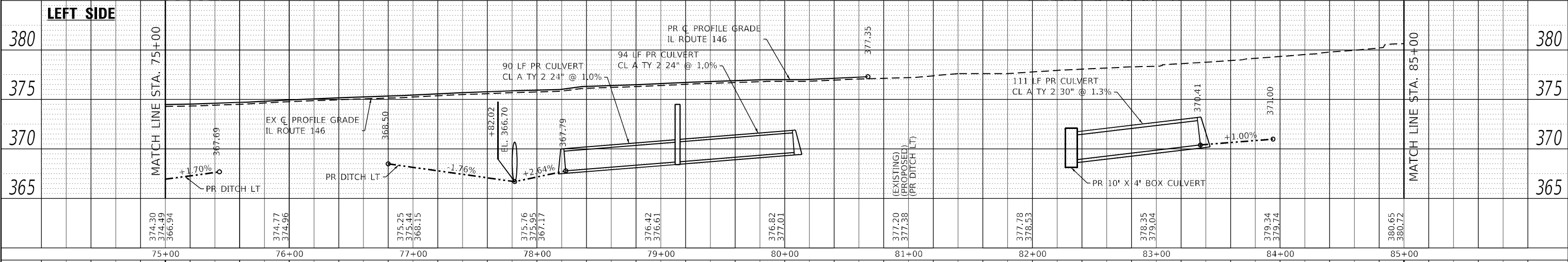
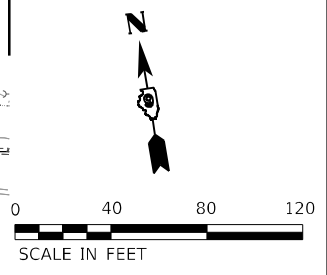


**LEGEND**

~ ~ ~ PROPOSED DITCH

- - - - - LIMITS OF CONSTRUCTION

NOTE:  
SEE XSEC SHEET 136  
FOR MORE CULVERT INFO



**OATES ASSOCIATES**  
www.oatesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

|                             |            |          |
|-----------------------------|------------|----------|
| USER NAME = ryan.wilfjes    | DESIGNED - | REVISD - |
|                             | CHECKED -  | REVISD - |
| PLOT SCALE = 80,0000' / in. | DRAWN -    | REVISD - |
| PLOT DATE = 3/27/2023       | CHECKED -  | REVISD - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

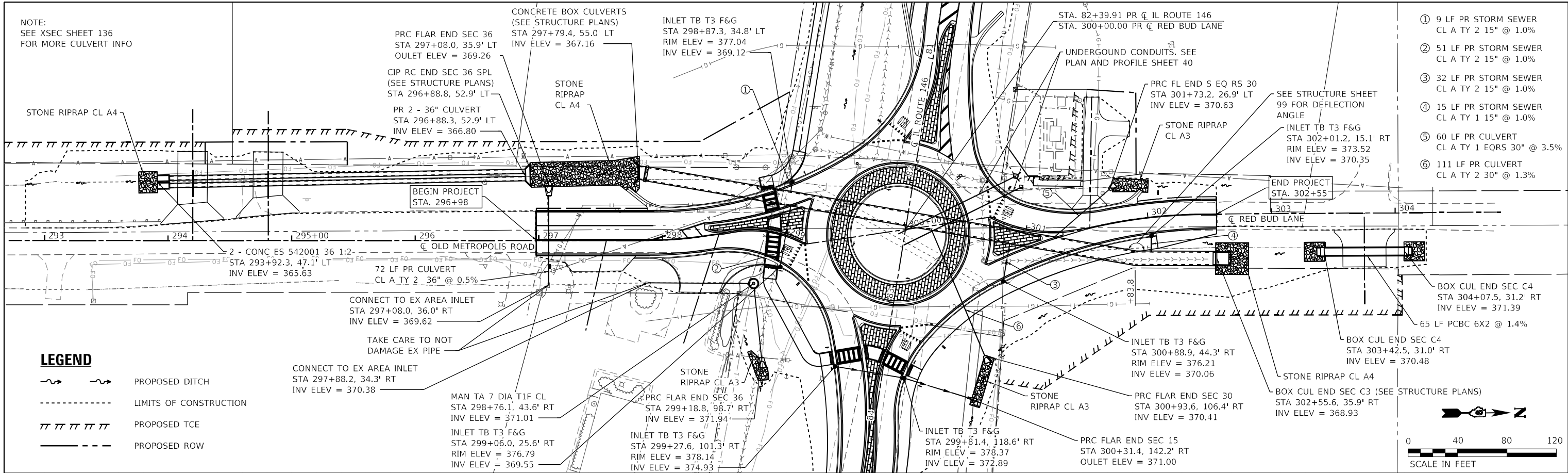
**DRAINAGE SHEETS**

SCALE: 1" = 40'    SHEET 5 OF 7 SHEETS    STA. 75+00 TO STA. 85+00

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 66 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

NOTE:  
SEE XSEC SHEET 136  
FOR MORE CULVERT INFO

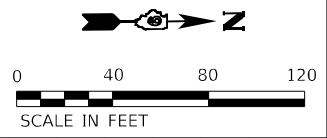
|      |                    |
|------|--------------------|
| DATE |                    |
| BY   |                    |
| PLAN | SURVEYED           |
|      | PLOTTED            |
|      | ALIGNMENT CHECKED  |
|      | STRUCTURE NOTATION |
|      | FILE NAME          |
|      | NO.                |



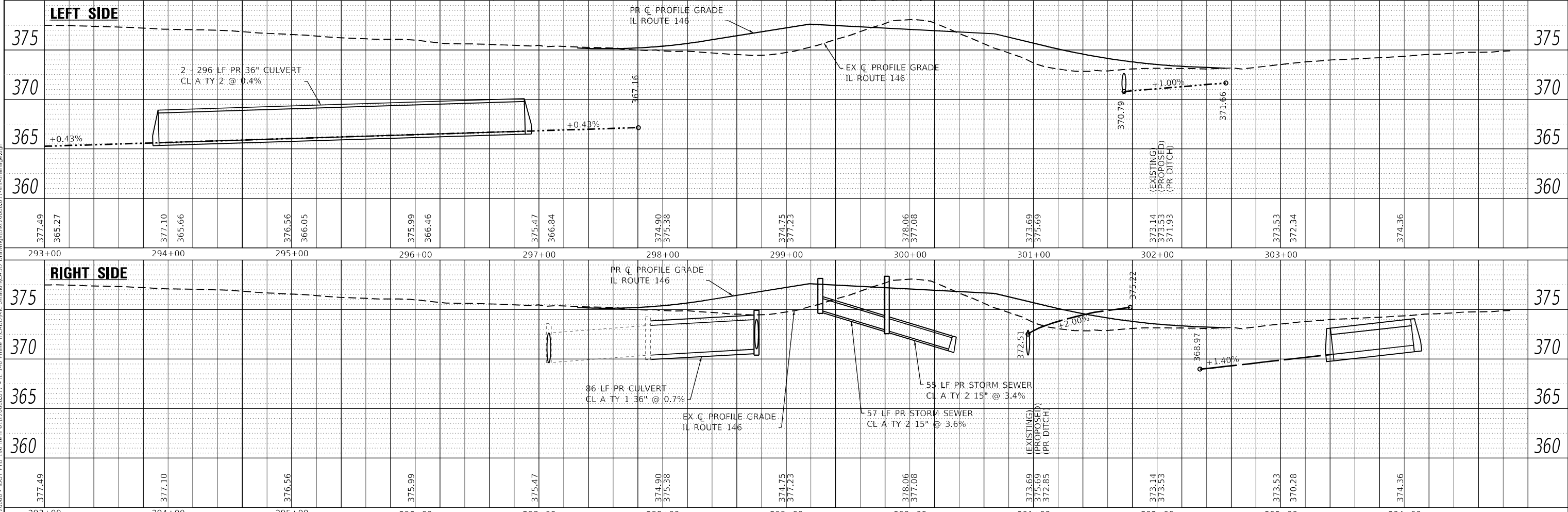
**LEGEND**

- PROPOSED DITCH
- LIMITS OF CONSTRUCTION
- PROPOSED TCE
- PROPOSED ROW

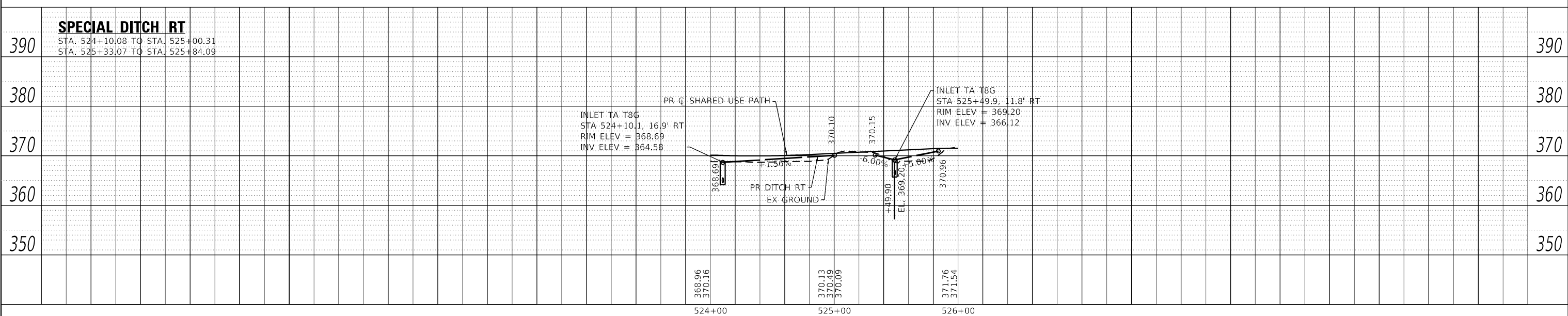
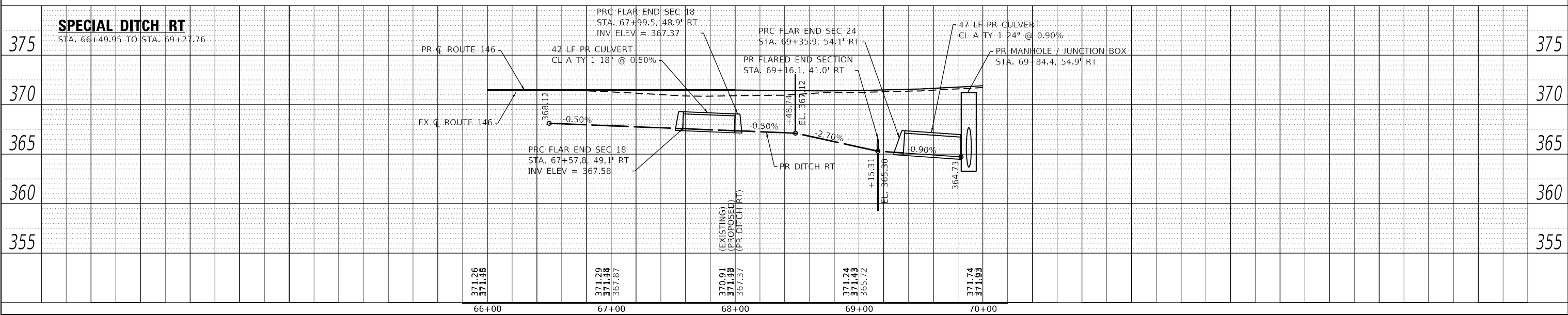
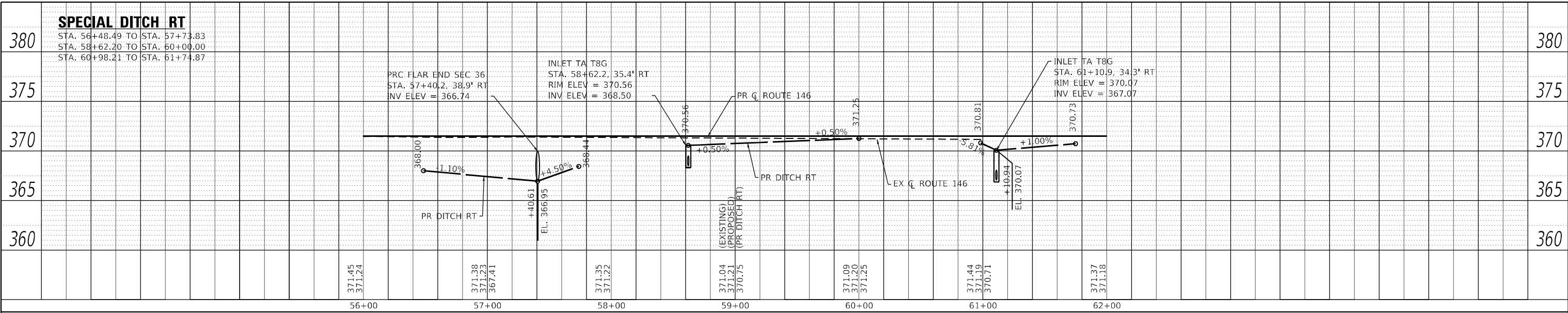
- ① 9 LF PR STORM SEWER  
CL A TY 2 15" @ 1.0%
- ② 51 LF PR STORM SEWER  
CL A TY 2 15" @ 1.0%
- ③ 32 LF PR STORM SEWER  
CL A TY 2 15" @ 1.0%
- ④ 15 LF PR STORM SEWER  
CL A TY 1 15" @ 1.0%
- ⑤ 60 LF PR CULVERT  
CL A TY 1 EQRS 30" @ 3.5%
- ⑥ 111 LF PR CULVERT  
CL A TY 2 30" @ 1.3%



|         |                    |
|---------|--------------------|
| DATE    |                    |
| BY      |                    |
| PROFILE | SURVEYED           |
|         | PLOTTED            |
|         | GRADES CHECKED     |
|         | STRUCTURE NOTATION |
|         | FILE NAME          |
|         | NO.                |



|   |  |   |  |   |                        |   |  |
|---|--|---|--|---|------------------------|---|--|
| <p><b>OATES ASSOCIATES</b><br/>www.oatesassociates.com<br/>ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115</p> | USER NAME = rynn.wilfjes<br>DESIGNED -<br>CHECKED -<br>PLOT SCALE = 80,0000 * / in.<br>PLOT DATE = 3/27/2023 | DESIGNED -<br>CHECKED -<br>DRAWN -<br>CHECKED - | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DRAINAGE SHEETS</b> | F.A.P. RTE. = 885<br>SECTION = 110(W-2,RS-5)<br>COUNTY = JOHNSON<br>ILLINOIS FED. AID PROJECT | TOTAL SHEETS = 159<br>SHEET NO. = 67<br>CONTRACT NO. = 78524 |
|   | SCALE: 1" = 40'<br>SHEET 6 OF 7 SHEETS<br>STA. 75+00 TO STA. 85+00   |   |  |   |                        |   |  |



|                             |      |
|-----------------------------|------|
| PROFILE                     | DATE |
| REVISIONS                   | BY   |
| NOTED                       |      |
| GRADIS CHECKED              |      |
| STRUCTURE NOTATIONS CHECKED |      |
| NO.                         |      |

MODEL: Sheet 7 - Non-parallel ditches  
 FILE NAME: H:\22008 - IDOT PWB 196 Item 61220086.D7 - II 146 Phase II\CADD\Microstation\CADD Drawings\9220086.D7\146.dwg



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjng,witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

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








STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

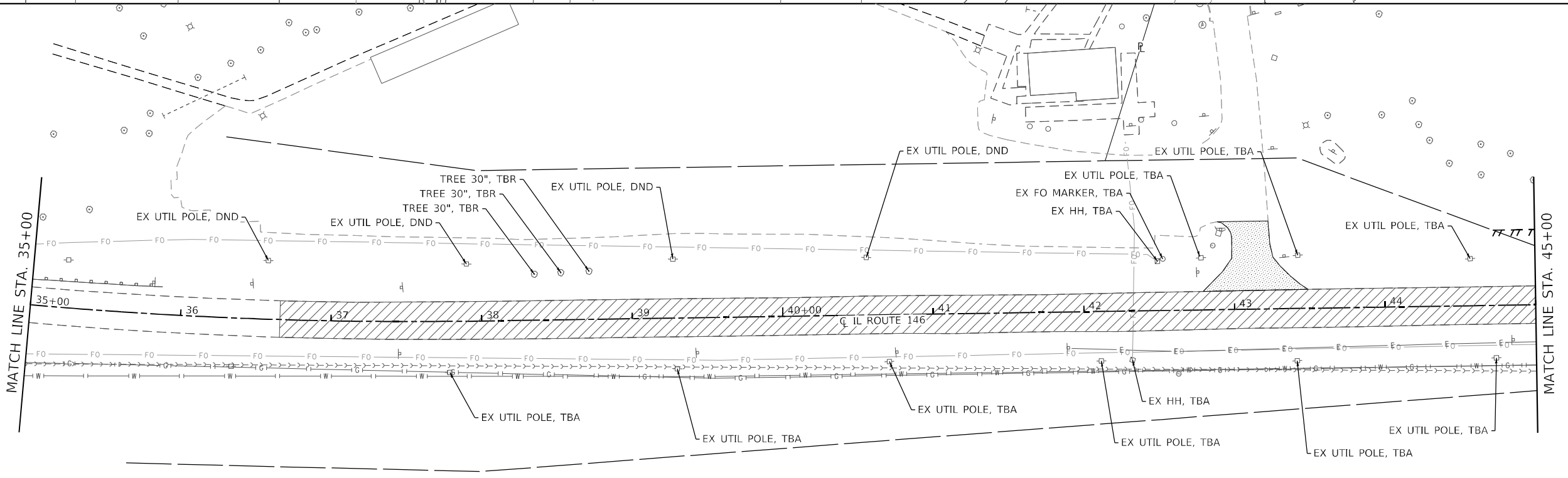
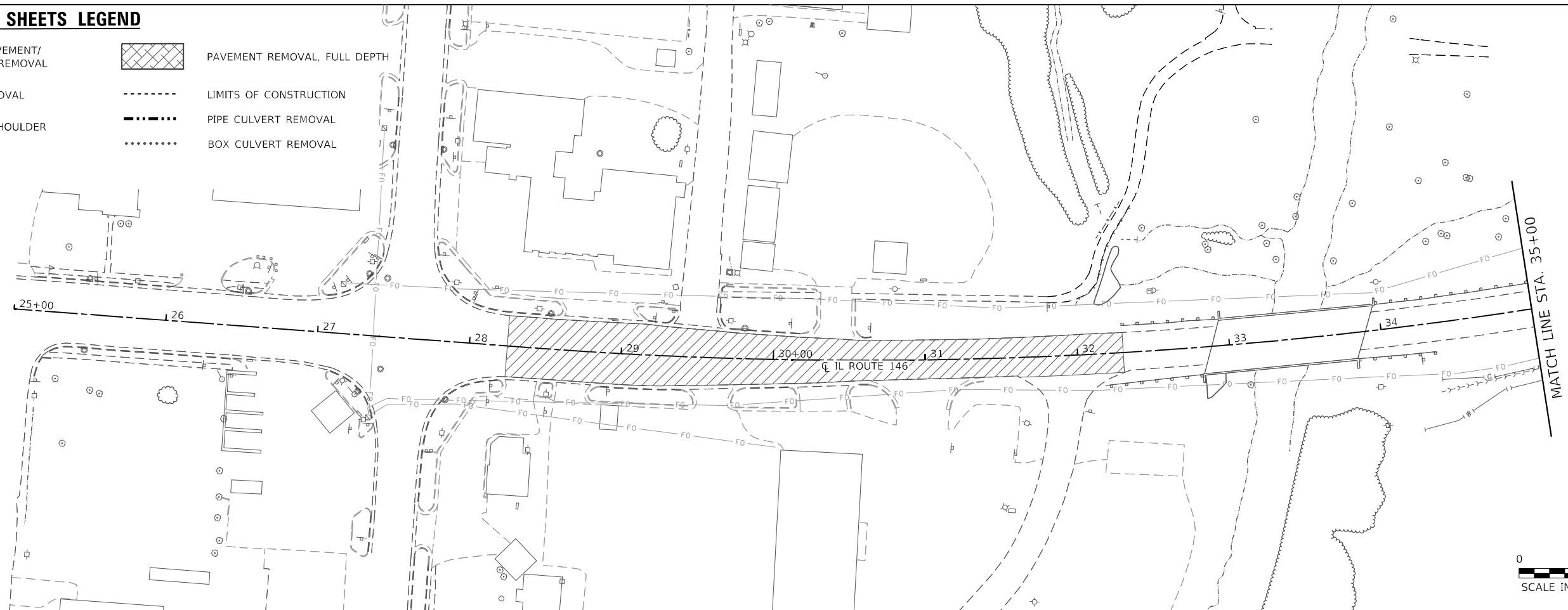
DRAINAGE SHEETS

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 68        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

**REMOVAL SHEETS LEGEND**

-  DRIVEWAY PAVEMENT/  
PARKING LOT REMOVAL
-  SURFACE REMOVAL
-  FULL-DEPTH SHOULDER  
REMOVAL
-  PAVEMENT REMOVAL, FULL DEPTH
-  LIMITS OF CONSTRUCTION
-  PIPE CULVERT REMOVAL
-  BOX CULVERT REMOVAL



MODEL: 144-144-1  
 FILE NAME: I:\0220088 - IDOT PTB 146 Phase II\CADD\Microstation\CADD Drawings\09220088.017.rvt-removal.dgn




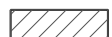
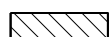



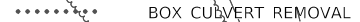
|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjnr,witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|                       |         |             |                          |
|-----------------------|---------|-------------|--------------------------|
| <b>REMOVAL SHEETS</b> |         |             |                          |
| SCALE: 1" = 40'       | SHEET 1 | OF 4 SHEETS | STA. 25+00 TO STA. 45+00 |

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 69        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

**REMOVAL SHEETS LEGEND**

-  DRIVEWAY PAVEMENT/  
PARKING LOT REMOVAL
-  SURFACE REMOVAL
-  FULL-DEPTH SHOULDER REMOVAL
-  PAVEMENT REMOVAL, FULL DEPTH
-  LIMITS OF CONSTRUCTION
-  PIPE CULVERT REMOVAL
-  BOX CULVERT REMOVAL

NOTE: SAW CUT SHALL BE USED AND INCLUDED IN THE COST OF DRIVEWAY PAVEMENT REMOVAL FROM STA 53+65.3 RT TO STA 54+88.2 RT.

REMOVAL OF EXISTING STRUCTURES NO. 1

EX GAS UTIL WITH POLES, TBA  
EX FO MARKER, TBA  
EX UTIL POLE, TBA

MATCH LINE STA. 45+00

FULL DEPTH PAVEMENT PATCH, SEE HIGHWAY STANDARD 442201-03

EX UTIL POLE, DND (CONFIRM)  
EX SHED, DND

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX PORTABLE CARPORT, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX WM TO BE RELOCATED

EX TEL, TBA

EX UTIL POLE, TBA

EX MB, TBA

EX FH, TBA

EX UTIL POLE, TBA

EX UTIL POLE, TBA

REMOVAL OF OIL AND CHIP ENTRANCE STA 50+91.7 LT TO STA 52+11.6 LT SHALL BE SAW CUT AND INCLUDED WITH EARTH EXCAVATION

EX WM TO BE RELOCATED

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX TB, TBA

EX TB, TBA

EX TB, TBA

EX SHED, TBRL

EX UTIL POLE, TBA

EX UTIL POLE, TBA

EX TB, TBA

EX TB, TBA

EX TB, TBA

EX TB, TBA

EX WV, TBA

EX UTIL POLE, TBA

EX WM, TBA

EX UTIL POLE, DND

EX TB, TBA

EX FH TO BE RELOCATED

EX WV, TBA

EX HH, TBA

EX WM, TBA

EX WM, TBA



MATCH LINE STA. 55+00

TREE 7", TBR  
TREE 10", TBR

2' X 2' BOX CULVERT TO BE FILLED WITH CONTROLLED LOW-STRENGTH MATERIAL

FULL DEPTH PAVEMENT PATCH, SEE HIGHWAY STANDARD 442201-03

MATCH LINE STA. 55+00

UTIL POLE, TBA

EX WV, DND

EX MH, TBA

EX MH, TBA

EX TREE 22", TBR

EX TREE 20", TBR

EX TREE 23", TBR

EX MH, TBA

EX MB, TBA

EX TB, TBA

EX HH, TBA

EX WV, TBA

EX MB, TBA

EX FH, TBA

EX MH, TBA

EX MH, TBA

EX WM, TBA

UTIL POLE, DND

UTIL POLE, DND

EX FH TO BE RELOCATED

EX WV & FH, TBA

EX MH, TBA

EX WV, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

MATCH LINE STA. 55+00

UTIL POLE, TBA

EX WV, DND

EX MH, TBA

EX MH, TBA

EX TREE 22", TBR

EX TREE 20", TBR

EX TREE 23", TBR

EX MH, TBA

EX MB, TBA

EX TB, TBA

EX HH, TBA

EX WV, TBA

EX MB, TBA

EX FH, TBA

EX MH, TBA

EX MH, TBA

EX WM, TBA

UTIL POLE, DND

UTIL POLE, DND

EX FH TO BE RELOCATED

EX WV & FH, TBA

EX MH, TBA

EX WV, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

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EX MH, TBA

EX MH, TBA

EX MH, TBA

MATCH LINE STA. 55+00

UTIL POLE, TBA

EX WV, DND

EX MH, TBA

EX MH, TBA

EX TREE 22", TBR

EX TREE 20", TBR

EX TREE 23", TBR

EX MH, TBA

EX MB, TBA

EX TB, TBA

EX HH, TBA

EX WV, TBA

EX MB, TBA

EX FH, TBA

EX MH, TBA

EX MH, TBA

EX WM, TBA

UTIL POLE, DND

UTIL POLE, DND

EX FH TO BE RELOCATED

EX WV & FH, TBA

EX MH, TBA

EX WV, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

MATCH LINE STA. 55+00

UTIL POLE, TBA

EX WV, DND

EX MH, TBA

EX MH, TBA

EX TREE 22", TBR

EX TREE 20", TBR

EX TREE 23", TBR

EX MH, TBA

EX MB, TBA

EX TB, TBA

EX HH, TBA

EX WV, TBA

EX MB, TBA

EX FH, TBA

EX MH, TBA

EX MH, TBA

EX WM, TBA

UTIL POLE, DND

UTIL POLE, DND

EX FH TO BE RELOCATED

EX WV & FH, TBA

EX MH, TBA

EX WV, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

MATCH LINE STA. 55+00

UTIL POLE, TBA

EX WV, DND

EX MH, TBA

EX MH, TBA

EX TREE 22", TBR

EX TREE 20", TBR

EX TREE 23", TBR

EX MH, TBA

EX MB, TBA

EX TB, TBA

EX HH, TBA

EX WV, TBA

EX MB, TBA

EX FH, TBA

EX MH, TBA

EX MH, TBA

EX WM, TBA

UTIL POLE, DND

UTIL POLE, DND

EX FH TO BE RELOCATED

EX WV & FH, TBA

EX MH, TBA

EX WV, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

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EX MH, TBA

EX MH, TBA

EX MH, TBA

MATCH LINE STA. 55+00

UTIL POLE, TBA

EX WV, DND

EX MH, TBA

EX MH, TBA

EX TREE 22", TBR

EX TREE 20", TBR

EX TREE 23", TBR

EX MH, TBA

EX MB, TBA

EX TB, TBA

EX HH, TBA

EX WV, TBA

EX MB, TBA

EX FH, TBA

EX MH, TBA

EX MH, TBA

EX WM, TBA

UTIL POLE, DND

UTIL POLE, DND

EX FH TO BE RELOCATED

EX WV & FH, TBA

EX MH, TBA

EX WV, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

EX MH, TBA

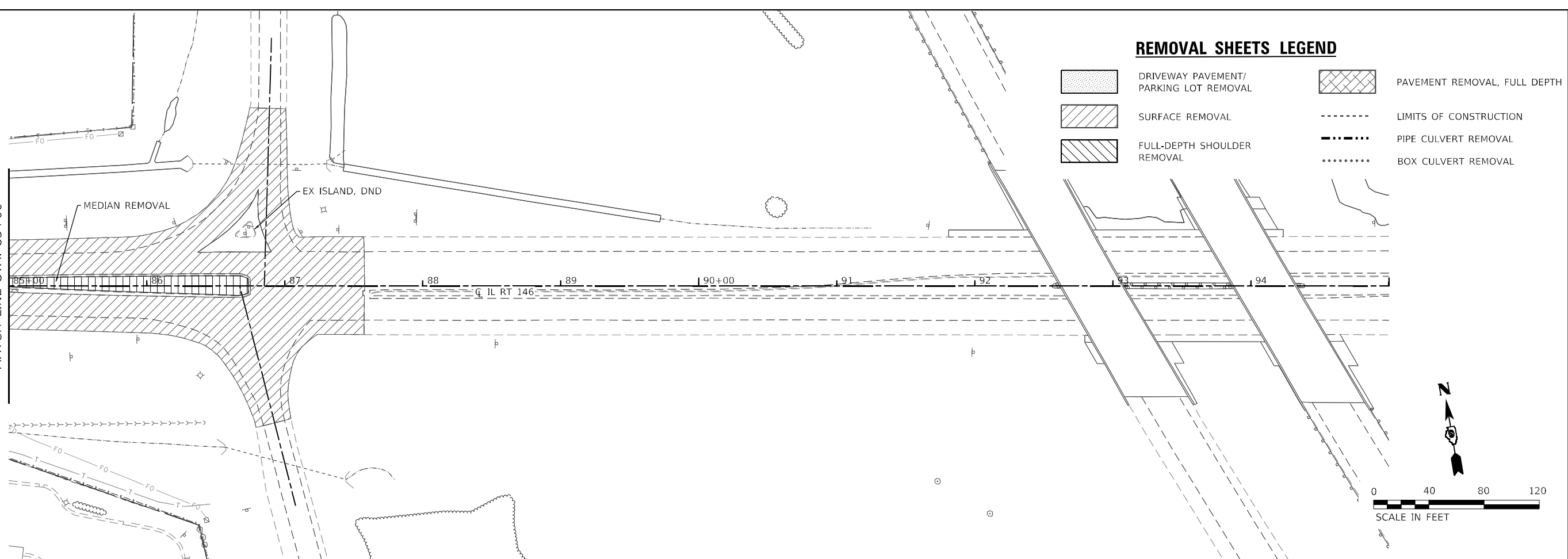
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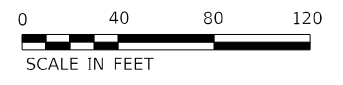
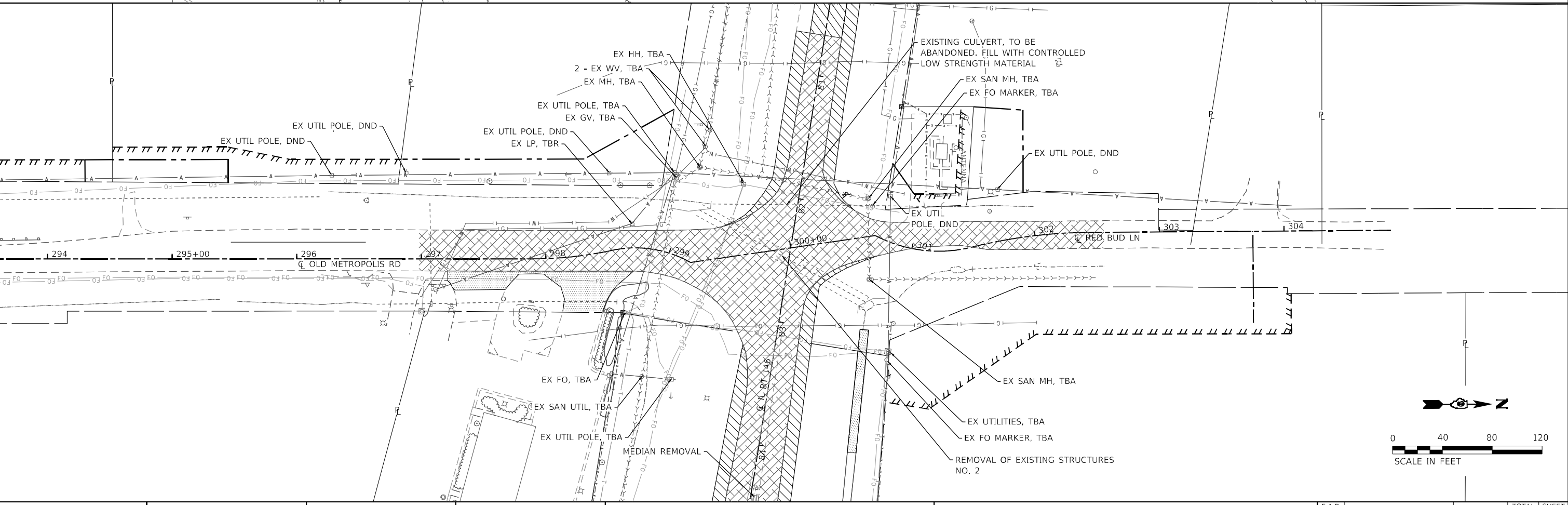
**REMOVAL SHEETS LEGEND**

-  DRIVEWAY PAVEMENT/  
PARKING LOT REMOVAL
-  SURFACE REMOVAL
-  FULL-DEPTH SHOULDER  
REMOVAL
-  PAVEMENT REMOVAL, FULL DEPTH
-  LIMITS OF CONSTRUCTION
-  PIPE CULVERT REMOVAL
-  BOX CULVERT REMOVAL

MATCH LINE STA. 85+00



MODEL: 114-114-114  
FILE NAME: I:\2008\885 - IDOT\_PTB\_196\_Item 6\1220088.017\_11\_146\_Phase II\CADD\MicroStation\CADD\_Drawing\885.017\_24hr\_remove.dgn



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryan.witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 80,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL SHEETS**

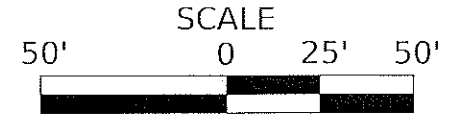
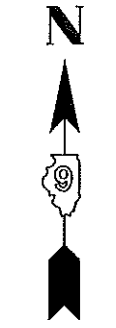
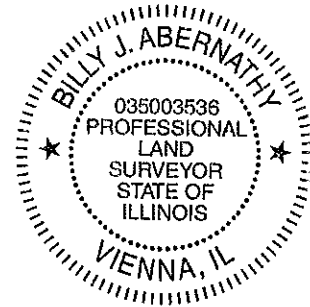
SCALE: 1" = 40'    SHEET 4 OF 4 SHEETS    STA. 85+00 TO STA. 95+00

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 72        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

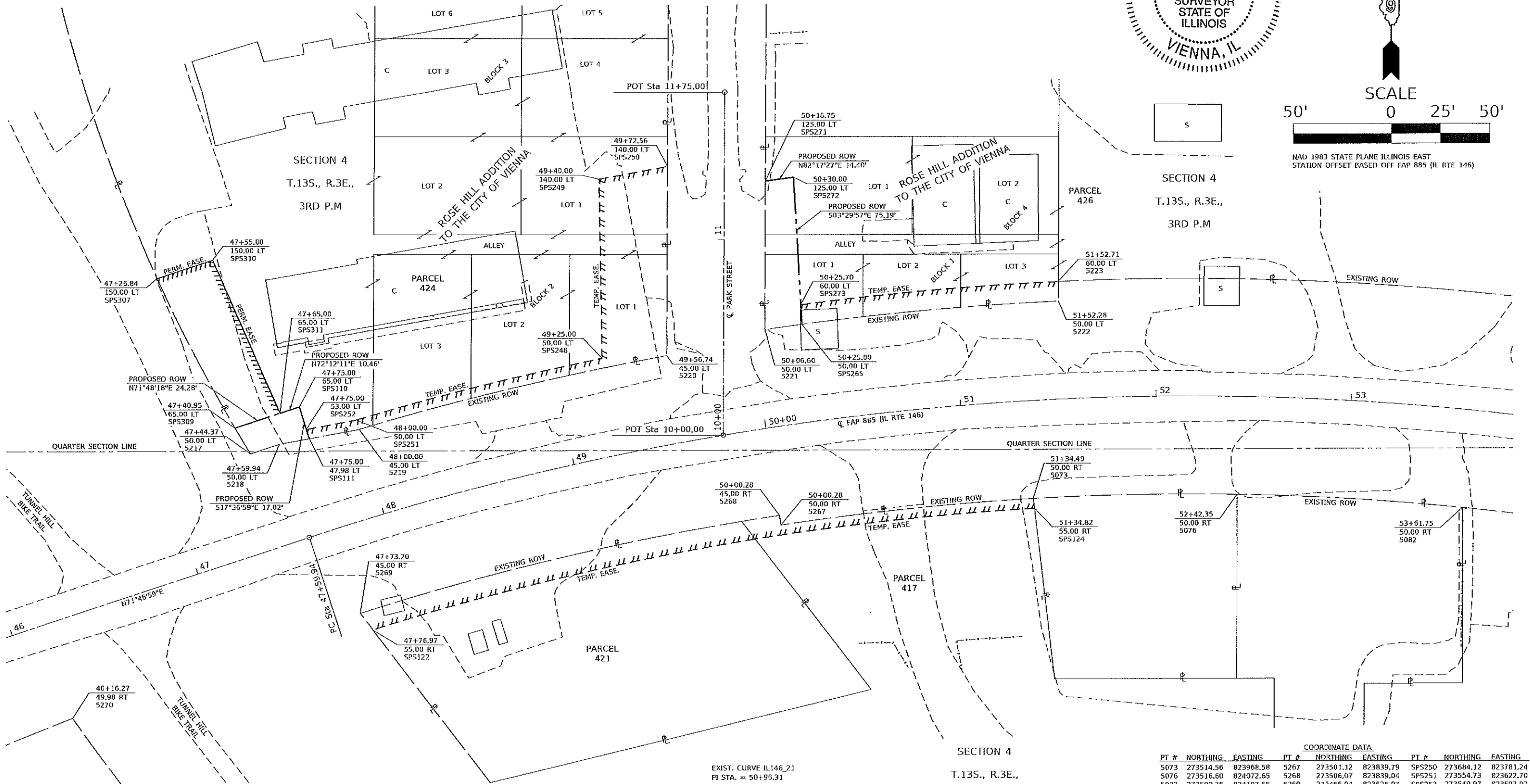


| PARCEL # | OWNERS NAME                            | PURPOSE | ACREAGE      |
|----------|--|---------|--------------|
| 9042416  | SHOEMAKER CONSTRUCTION COMPANY, INC.   | NEW ROW | 0.012 ACRES± |
| 9042416  | SHOEMAKER CONSTRUCTION COMPANY, INC.   | T.E.    | 0.093 ACRES± |
| 9042416  | SHOEMAKER CONSTRUCTION COMPANY, INC.   | P.E.    | 0.054 ACRES± |
| 9042616  | JOHN ADAM BRUST                        | NEW ROW | 0.029 ACRES± |
| 9042616  | JOHN ADAM BRUST                        | T.E.    | 0.030 ACRES± |
| 9042116  | SOUTHERN FS INC.                       | T.E.    | 0.046 ACRES± |
| 9041716  | RUSSEL & TONYA FLAMM REV. LIVING TRUST | T.E.    | 0.019 ACRES± |

**SURVEYORS CERTIFICATE**  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE APPLICABLE TO BOUNDARY SURVEYS.  
 DATE: 3/4/23 SIGNED: [Signature]  
 ILLINOIS PROFESSIONAL LAND SURVEYOR  
 BILLY J. ABERNATHY, NO. 3535  
 LICENSE EXPIRES 11/30/2024



NAD 1983 STATE PLANE ILLINOIS EAST  
 STATION OFFSET BASED OFF FAP 885 (IL RTE 146)



ALIGNMENT INFO FAP 885 (IL RTE 146)  
 POINT STATION NORTHING EASTING  
 P.T. 37+98.03 273194.12 822685.08  
 P.C. 47+59.94 273494.83 823598.78  
 P.T. 54+20.77 273552.35 824251.27

EXIST. CURVE IL146\_21  
 PI STA. = 50+96.31  
 Δ = 26° 21' 31" (RT)  
 D = 3° 59' 19"  
 R = 1,436.45'  
 T = 336.37'  
 L = 660.83'  
 E = 38.86'  
 P.C. STA. = 47+59.94  
 P.T. STA. = 54+20.77

| COORDINATE DATA |           |           |        |           |           |
|-----------------|-----------|-----------|--------|-----------|-----------|
| PT #            | NORTHING  | EASTING   | PT #   | NORTHING  | EASTING   |
| 5073            | 273514.56 | 823968.58 | 5267   | 273501.12 | 823839.79 |
| 5076            | 273516.60 | 824072.65 | 5268   | 273506.07 | 823839.04 |
| 5082            | 273509.76 | 824187.65 | 5269   | 273456.04 | 823625.07 |
| 5217            | 273537.45 | 823568.36 | 5270   | 273402.44 | 823477.94 |
| 5218            | 273542.32 | 823583.15 | SPS110 | 273561.41 | 823593.44 |
| 5219            | 273549.94 | 823624.14 | SPS111 | 273545.19 | 823593.44 |
| 5220            | 273587.64 | 823781.25 | SPS122 | 273447.61 | 823631.56 |
| 5221            | 273600.96 | 823831.25 | SPS124 | 273509.58 | 823969.18 |
| 5222            | 273615.33 | 823981.25 | SPS248 | 273586.29 | 823748.10 |
| 5223            | 273625.34 | 823981.25 | SPS249 | 273677.68 | 823746.10 |
|                 |           |           | SPS250 | 273684.12 | 823781.24 |
|                 |           |           | SPS251 | 273554.73 | 823622.70 |
|                 |           |           | SPS252 | 273549.97 | 823597.07 |
|                 |           |           | SPS265 | 273603.61 | 823850.10 |
|                 |           |           | SPS271 | 273676.73 | 823831.25 |
|                 |           |           | SPS273 | 273626.96 | 823849.49 |
|                 |           |           | SPS309 | 273550.63 | 823520.45 |
|                 |           |           | SPS310 | 273635.76 | 823547.20 |
|                 |           |           | SPS311 | 273558.21 | 823583.49 |

MODEL: Sheet 1  
 FILE NAME: S:\2023\11\11\11\084\_FTB\_1983-31\_DP - Shawnee - Various Surveys\Survey\WFO # 106564-7135-43E-JOHNSON-46-00-35-00-00.dwg

|                  |                |           |
|------------------|----------------|-----------|
| USER NAME = efrz | DESIGNED = BJA | REVISED = |
| DRAWN = EPF      | REVISIONS =    |           |
| CHECKED = WAK    | REVISIONS =    |           |
| DATE = 3/2/2023  | REVISIONS =    |           |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**RIGHT OF WAY SHEET**  
 ILLINOIS ROUTE 146 FROM TUNNEL HILL BIKE TRAIL TO I-24  
 SCALE: 1" = 50' SHEET 1 OF 7 SHEETS STA. 46+00 TO STA. 53+50

| F.A.P. RTE.                     | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------------------|----------------|---------------------------|--------------|-----------|
| 885                             | 110(W-2), R5-5 | JOHNSON                   | 159          | 73        |
| SEC. 4, T.13S., R.3E., 3RD P.M. |                | CONTRACT NO. 78524        |              |           |
| R-99-009-16                     |                | ILLINOIS FED. AID PROJECT |              |           |

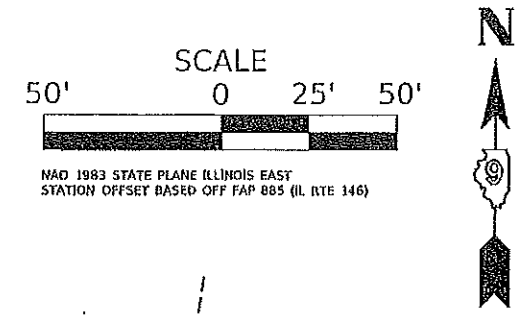




**COORDINATE DATA**

| PT #   | NORTHING  | EASTING   |
|--------|-----------|-----------|
| 5143   | 273168.25 | 825765.04 |
| 5144   | 273212.39 | 825766.36 |
| 5145   | 273179.46 | 825999.49 |
| 5146   | 273151.48 | 826197.53 |
| 5147   | 273121.97 | 826397.21 |
| 5176   | 273398.36 | 825810.33 |
| 5194   | 273367.58 | 826329.08 |
| 5195   | 273367.64 | 826008.40 |
| 5262   | 273263.18 | 825767.88 |
| 5300   | 273130.06 | 826349.13 |
| SPS160 | 273356.67 | 826173.69 |
| SPS161 | 273315.77 | 826420.85 |
| SPS162 | 273300.98 | 826418.36 |
| SPS163 | 273341.86 | 826171.30 |
| SPS267 | 273206.77 | 825806.19 |
| SPS278 | 273066.00 | 825800.97 |
| SPS279 | 273071.89 | 825762.16 |

**SURVEYORS CERTIFICATE**  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE APPLICABLE TO BOUNDARY SURVEYS.  
 DATE: 3/12/23 SIGNED: *[Signature]*  
 ILLINOIS PROFESSIONAL LAND SURVEYOR  
 BILLY J. ABERNATHY, NO. 3536  
 LICENSE EXPIRES 11/30/2024



SECTION 4  
 T.13S., R.3E.,  
 3RD P.M.

PARCEL  
 436

PARCEL  
 407

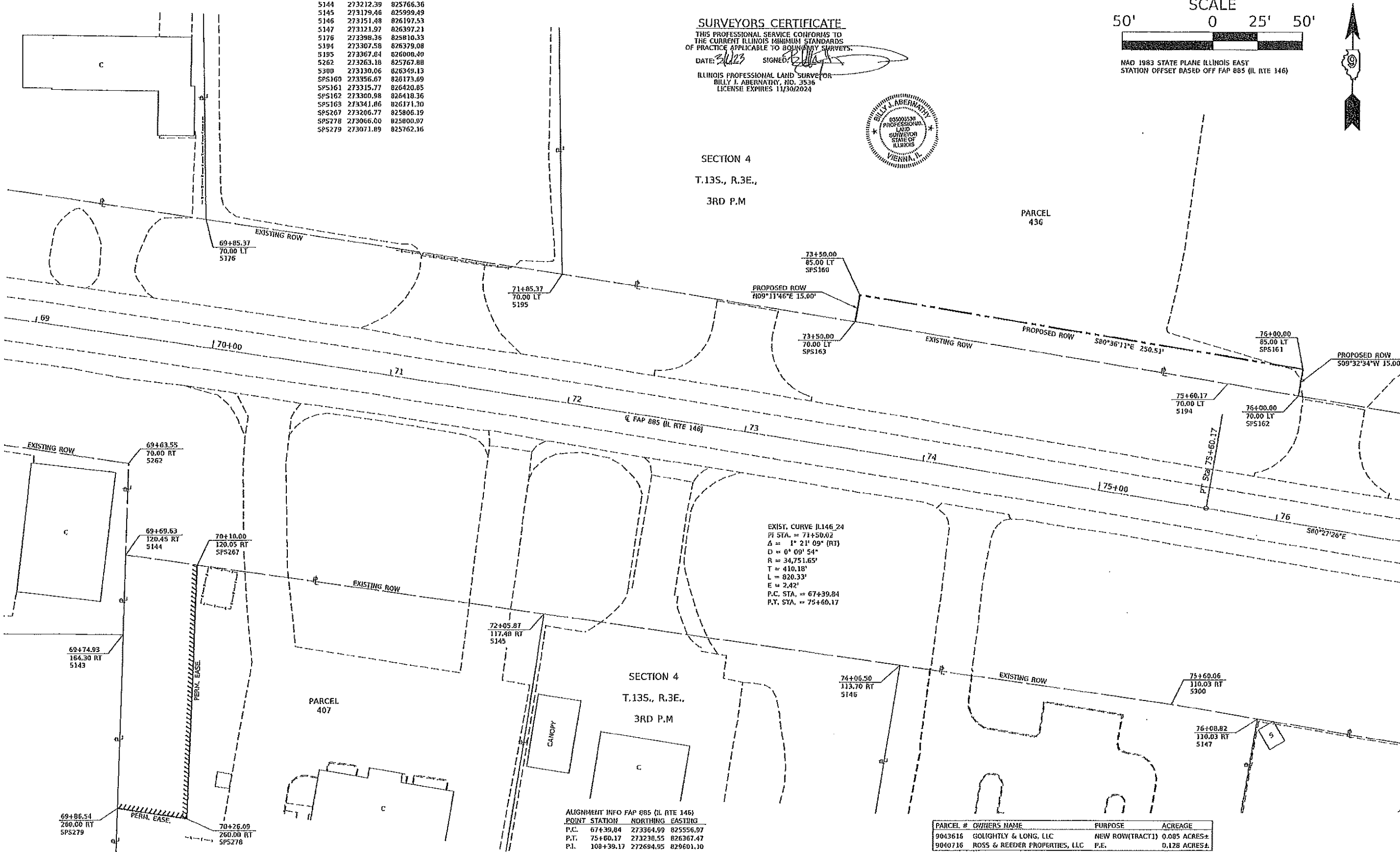
SECTION 4  
 T.13S., R.3E.,  
 3RD P.M.

EXIST. CURVE IL146\_24  
 P.I. STA. = 71+50.02  
 Δ = 1° 21' 09" (RT)  
 D = 0° 09' 54"  
 R = 34,751.65'  
 T = 410.18'  
 L = 820.33'  
 E = 2.42'  
 P.C. STA. = 67+39.84  
 P.T. STA. = 75+60.17

**ALIGNMENT INFO FAP 885 (IL RTE 146)**

| POINT | STATION   | NORTHING  | EASTING   |
|-------|-----------|-----------|-----------|
| P.C.  | 67+39.84  | 273364.99 | 825556.97 |
| P.T.  | 75+60.17  | 273238.55 | 826367.47 |
| P.I.  | 108+39.17 | 272694.95 | 829601.10 |

| PARCEL # | OWNER'S NAME                  | PURPOSE         | ACREAGE      |
|----------|-------------------------------|-----------------|--------------|
| 9043616  | GOLIGHTLY & LONG, LLC         | NEW ROW(TRACT1) | 0.005 ACRES± |
| 9040716  | ROSS & REEDER PROPERTIES, LLC | P.E.            | 0.128 ACRES± |



| USER NAME | DESIGNED | REVISIONS |
|-----------|----------|-----------|
| EPF       | BJA      | -         |
| EPF       | EPF      | -         |
| WAK       | WAK      | -         |
| 3/2/2023  | 3/2/2023 | -         |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

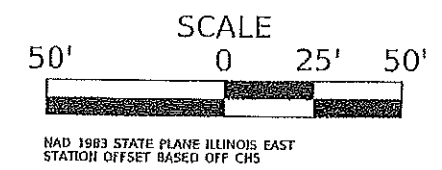
**RIGHT OF WAY SHEET**  
 ILLINOIS ROUTE 146 FROM TUNNEL HILL BIKE TRAIL TO I-24  
 SCALE: 1" = 50' SHEET 4 OF 7 SHEETS STA. 69+00 TO STA. 76+50

| F.A.P. RTE.                     | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------------------|----------------|---------------------------|--------------|-----------|
| 885                             | 110(W-2), RS-5 | JOHNSON                   | 159          | 76        |
| SEC. 4, T.13S., R.3E., 3RD P.M. |                | CONTRACT NO. 78524        |              |           |
| R-99-009-16                     |                | ILLINOIS FED. AID PROJECT |              |           |

MODEL SHEET 4  
 FILE: I:\PROJECTS\2023\11\13\23\_09\_Sherlock\_Verifox\_Survey\Survey\DWG\100564723-09-03-CH150-146-00-05.dwg







**SURVEYORS CERTIFICATE**  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS OF PRACTICE APPLICABLE TO BOUNDARY SURVEYS.  
 DATE: 3/2/23 SIGNED: [Signature]  
 ILLINOIS PROFESSIONAL LAND SURVEYOR  
 BILLY J. ABERNATHY, NO. 3536  
 LICENSE EXPIRES 12/30/2024



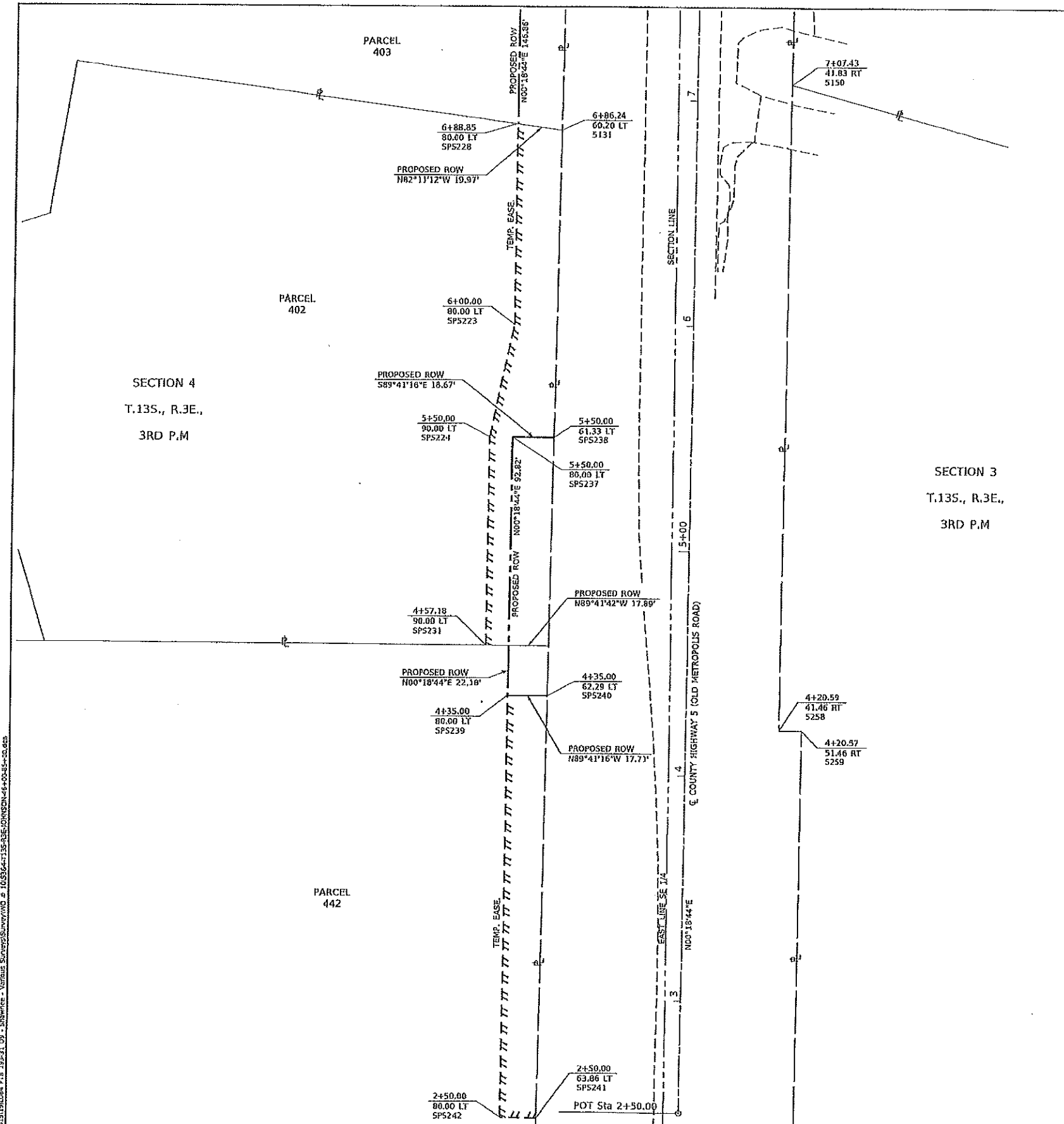
| PARCEL # | OWNERS NAME            | PURPOSE | ACREAGE      |
|----------|------------------------|---------|--------------|
| 9040316  | LIVING WATERS DEV, LLC | NEW ROW | 0.131 ACRES± |
| 9040216  | GREGORY W. WALKER      | NEW ROW | 0.039 ACRES± |
| 9040216  | GREGORY W. WALKER      | T.E.    | 0.088 ACRES± |
| 9044216  | RUTH E. WALKER TRUST   | NEW ROW | 0.009 ACRES± |
| 9044216  | RUTH E. WALKER TRUST   | T.E.    | 0.073 ACRES± |

ALIGNMENT INFO (COUNTY HIGHWAY 5)

| POINT STATION   | NORTHING  | EASTING   |
|-----------------|-----------|-----------|
| P.O.T. 2+50.00  | 272374.95 | 827042.18 |
| P.O.T. 10+00.00 | 273124.44 | 827046.27 |

COORDINATE DATA

| PT #   | NORTHING  | EASTING   |
|--------|-----------|-----------|
| 5131   | 272811.01 | 826904.36 |
| 5150   | 272831.64 | 827086.51 |
| 5258   | 272544.81 | 827084.57 |
| 5259   | 272544.74 | 827094.57 |
| SP5223 | 272724.89 | 826964.09 |
| SP5224 | 272674.93 | 826953.82 |
| SP5220 | 272813.72 | 826964.58 |
| SP5231 | 272582.12 | 826953.31 |
| SP5237 | 272674.88 | 826963.82 |
| SP5238 | 272674.78 | 826982.49 |
| SP5239 | 272559.09 | 826963.19 |
| SP5240 | 272559.79 | 826980.90 |
| SP5241 | 272371.89 | 826978.31 |
| SP5242 | 272372.21 | 826982.17 |



MODEL: SINCAS 7  
 FILE NAME: S:\001\1818084\_PFE\_189-31\_DP - Drawings - Various Surveys\Survey\NO. 1015364-1135-ALB-DIVISION-6-02-19-10.dwg

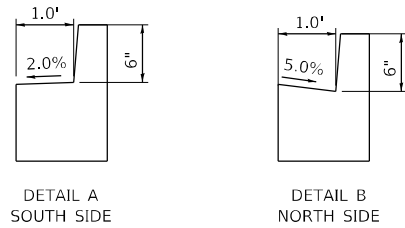
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|----------------------------|-----------------|-----------|
| USER NAME - efriz          | DESIGNED - BJA  | REVISED - |
| PLOT SCALE = 50,000' / in. | DRAWN - EPF     | REVISED - |
| PLOT DATE = 3/2/2023       | CHECKED - WAK   | REVISED - |
|                            | DATE - 3/2/2023 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

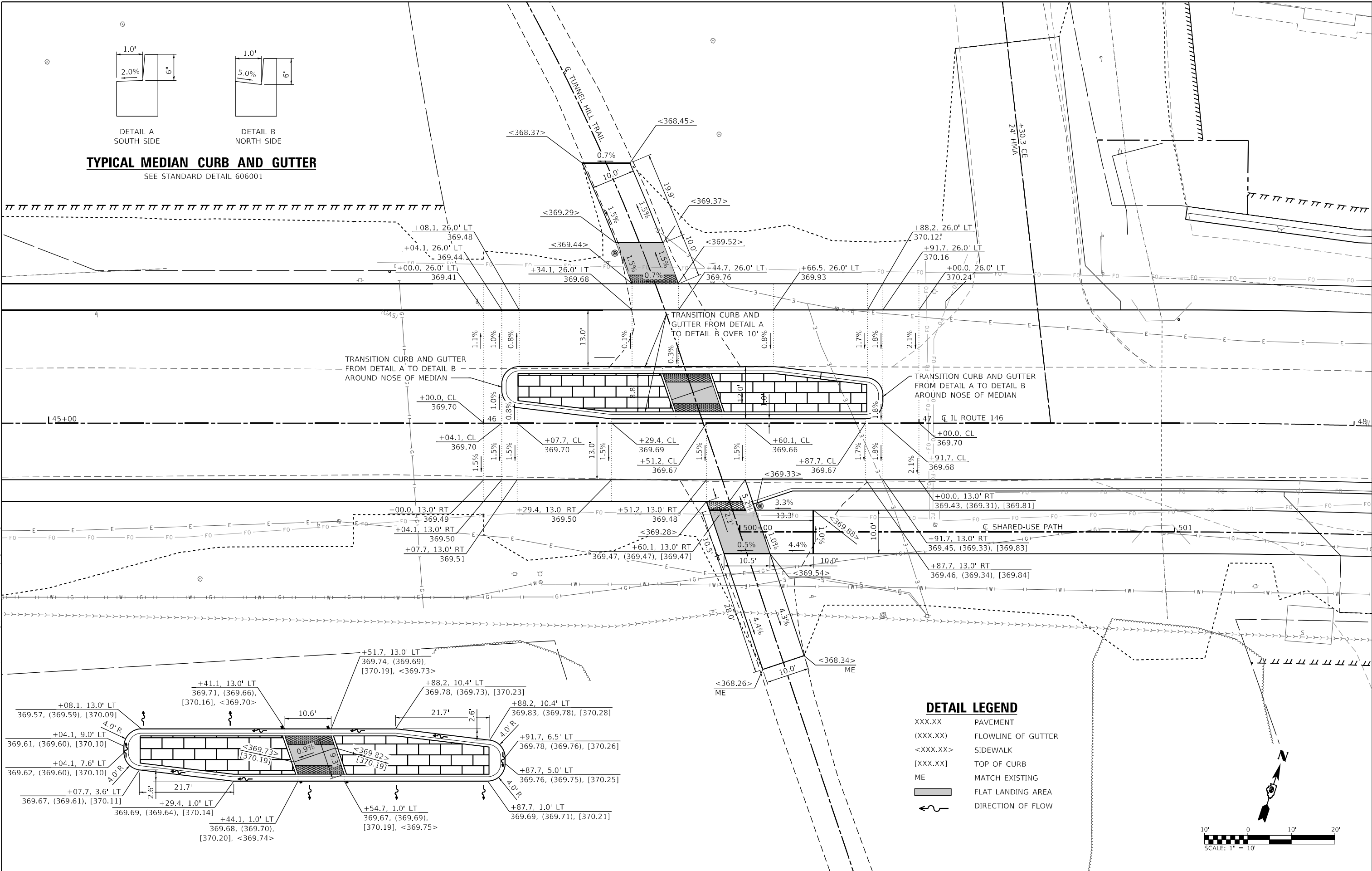
RIGHT OF WAY SHEET  
 ILLINOIS ROUTE 146 FROM TUNNEL HILL BIKE TRAIL TO I-24  
 SCALE: 1" = 50' SHEET 7 OF 7 SHEETS STA. 2+50 TO STA. 7+50

| F.A.P. RYE. | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|---------|--------------|-----------|
| 885         | 116(W-2), R5-5 | JOHNSON | 159          | 79        |

SEC. 3 & 4, T.13S., R.3E., 3RD P.M. CONTRACT NO. 78524  
 R-99-809-16 ILLINOIS FED. AID PROJECT

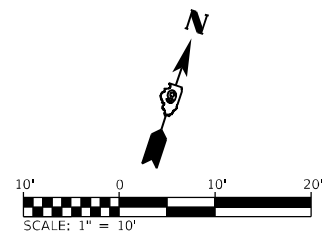


**TYPICAL MEDIAN CURB AND GUTTER**  
SEE STANDARD DETAIL 606001



**DETAIL LEGEND**

- XXX.XX PAVEMENT
- (XXX.XX) FLOWLINE OF GUTTER
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING
- FLAT LANDING AREA
- DIRECTION OF FLOW



MODEL: 00\_Traffic\_Crossing  
 FILE NAME: I:\2220088 - IDOT\_PTB\_P&E\_Item 61220088.017 - IL\_146\_Phase\_IL\CADD\MicroStation\CADD\_Drawing\09220088.017-Sub-Workshop\_Details.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = rjnr,wiljcs     | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS  
TUNNEL HILL TRAIL**

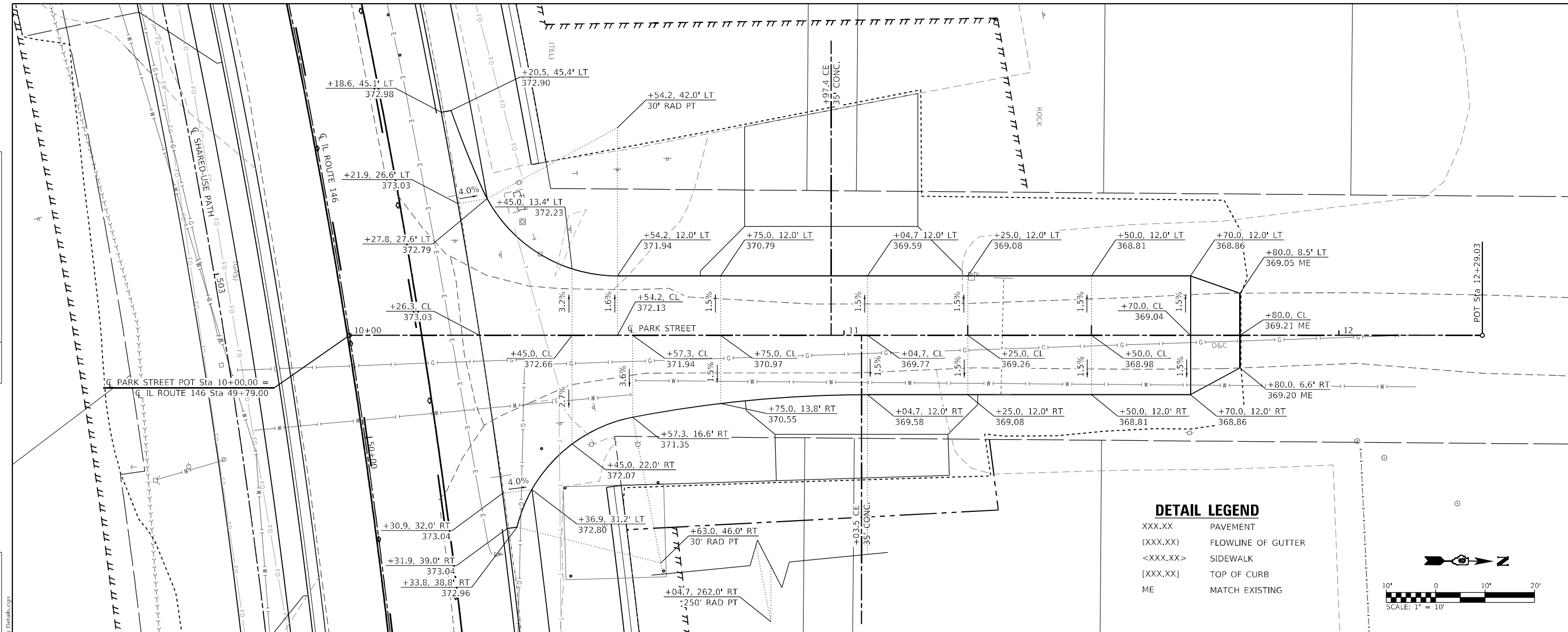
SCALE: 1"=10' SHEET 1 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 80        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



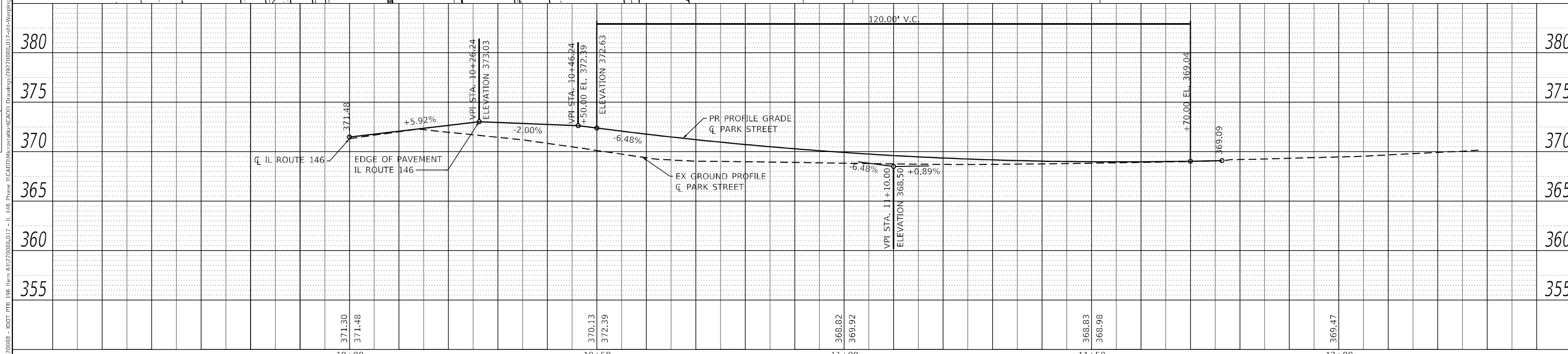
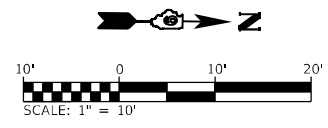
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|      | PLOTTED   |      |
|      | ALIGNED   |      |
|      | CHECKED   |      |
|      | FILE NAME |      |
|      | NO.       |      |

|         |           |      |
|---------|-----------|------|
| PROFILE | SURVEYED  | DATE |
|         | PLOTTED   |      |
|         | GRADES    |      |
|         | CHECKED   |      |
|         | STRUCTURE |      |
|         | NOTATION  |      |
|         | NO.       |      |



**DETAIL LEGEND**

|          |                    |
|----------|--------------------|
| XXX.XX   | PAVEMENT           |
| (XXX.XX) | FLOWLINE OF GUTTER |
| <XXX.XX> | SIDEWALK           |
| [XXX.XX] | TOP OF CURB        |
| ME       | MATCH EXISTING     |



**OATES ASSOCIATES**  
www.oatesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjnr,wilfjes     | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 20,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|   |         |             |                                |
|---|---------|-------------|--------------------------------|
| <b>INTERSECTION DETAILS<br/>PARK STREET</b> |         |             |                                |
| SCALE: 1"=10'                               | SHEET 2 | OF 7 SHEETS | STA. 10+00.00 TO STA. 12+29.03 |

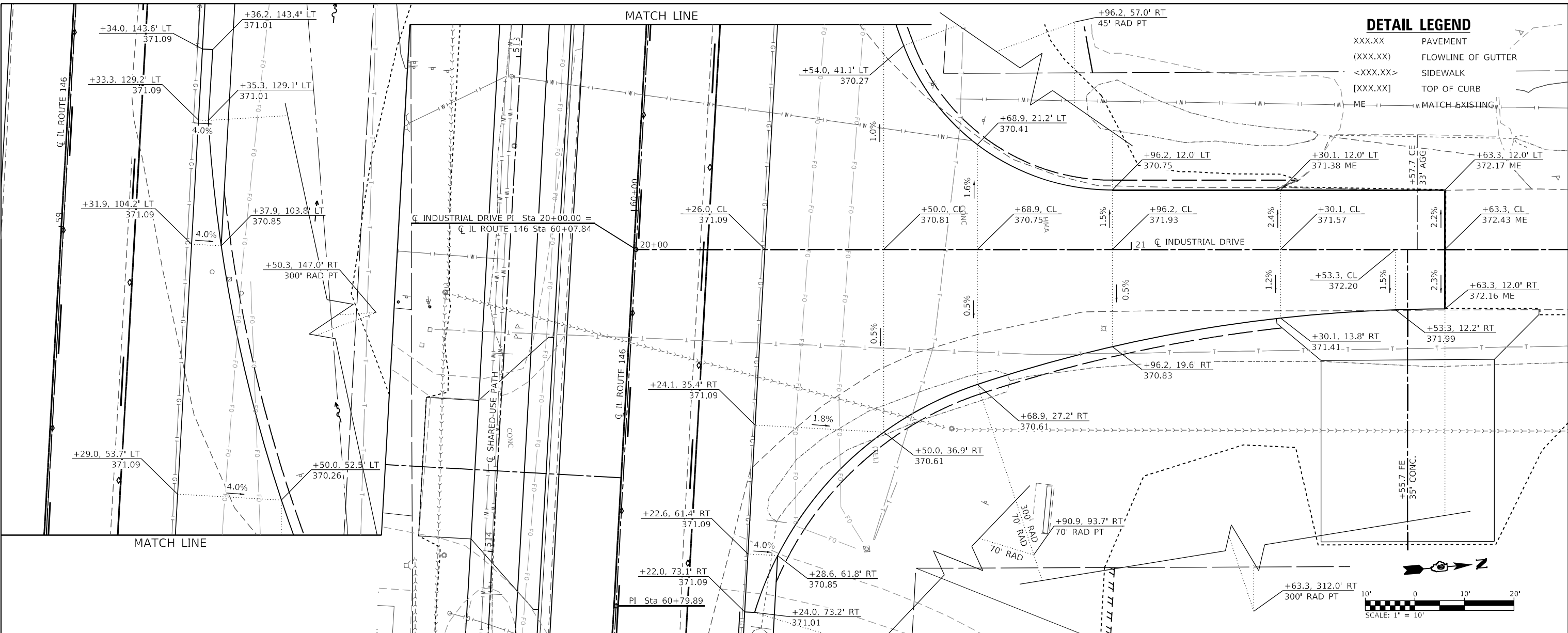
|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 81        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

MODEL: 01 Park  
FILE NAME: H:\22088 - IDOT - PTB 196 Item 6122088\017 - IL 146 Phase II\CADD\Drawings\22088\017-110-Warping\_Details.dwg

|      |                |      |
|------|----------------|------|
| PLAN | SURVEYED       | DATE |
|      | PLOTTED        |      |
|      | ALIGNED        |      |
|      | CHECKED        |      |
|      | CADD FILE NAME |      |
|      | NO.            |      |

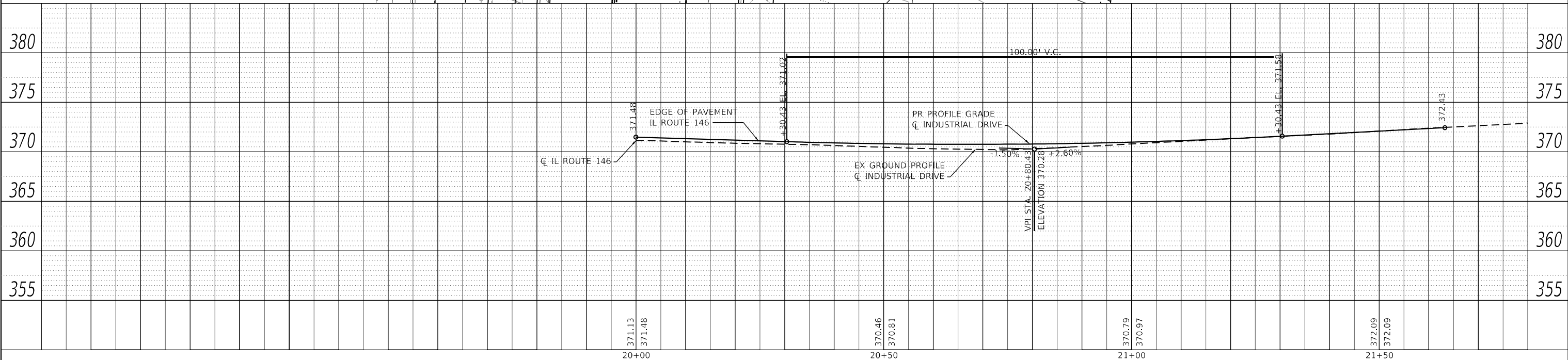
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|---------|-----------------------------|------|
| PROFILE | SURVEYED                    | DATE |
|         | PLOTTED                     |      |
|         | GRADES CHECKED              |      |
|         | STRUCTURE NOTATIONS CHECKED |      |
|         | NO.                         |      |

MODEL: 02 Industrial  
 FILE NAME: H:\220088 - IDOT - P1B 196 Item 61220088.DWG - IL 146 Phase II(CAD)Details\196\220088.DWG  
 I:\146 Phase II(CAD)Details\196\220088.DWG



**DETAIL LEGEND**

|          |                    |
|----------|--------------------|
| XXX.XX   | PAVEMENT           |
| (XXX.XX) | FLOWLINE OF GUTTER |
| <XXX.XX> | SIDEWALK           |
| [XXX.XX] | TOP OF CURB        |
| ME       | MATCH EXISTING     |



**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO. 184,001115

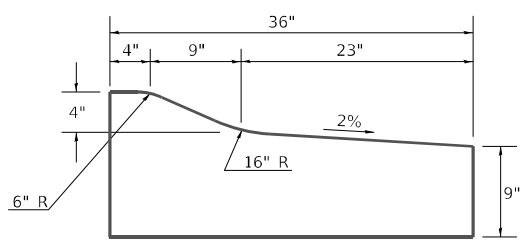
|                           |            |          |
|---------------------------|------------|----------|
| USER NAME = rjnye,wlfjjes | DESIGNED - | REVISD - |
|                           | DRAWN -    | REVISD - |
|                           | CHECKED -  | REVISD - |
|                           | DATE -     | REVISD - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS  
 INDUSTRIAL DRIVE**

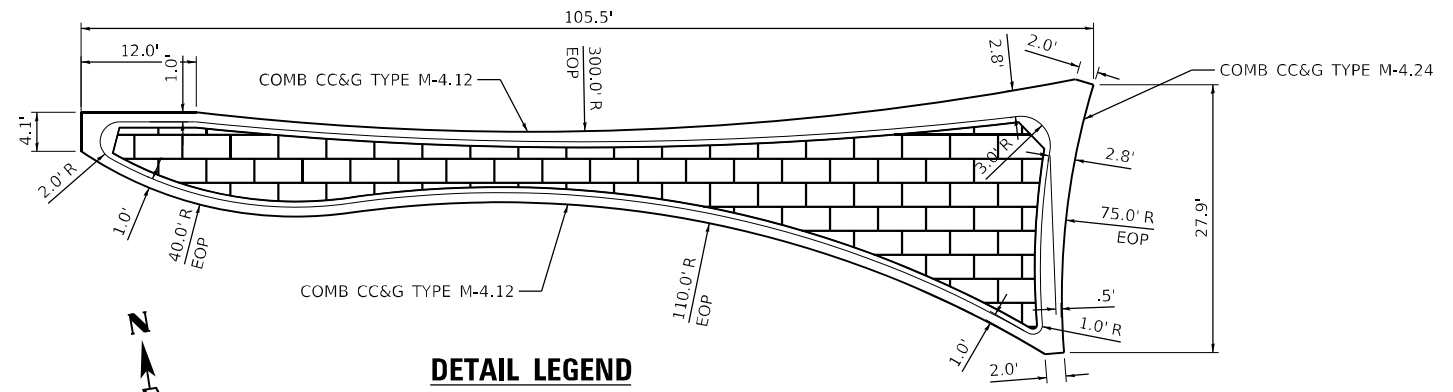
SCALE: 1"=10'    SHEET 3 OF 7 SHEETS    STA. 20+00.00 TO STA. 21+88.15

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 82 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |



**COMB CC&G, TYPE M (SPECIAL)**

**SPLITTER ISLAND DETAIL**

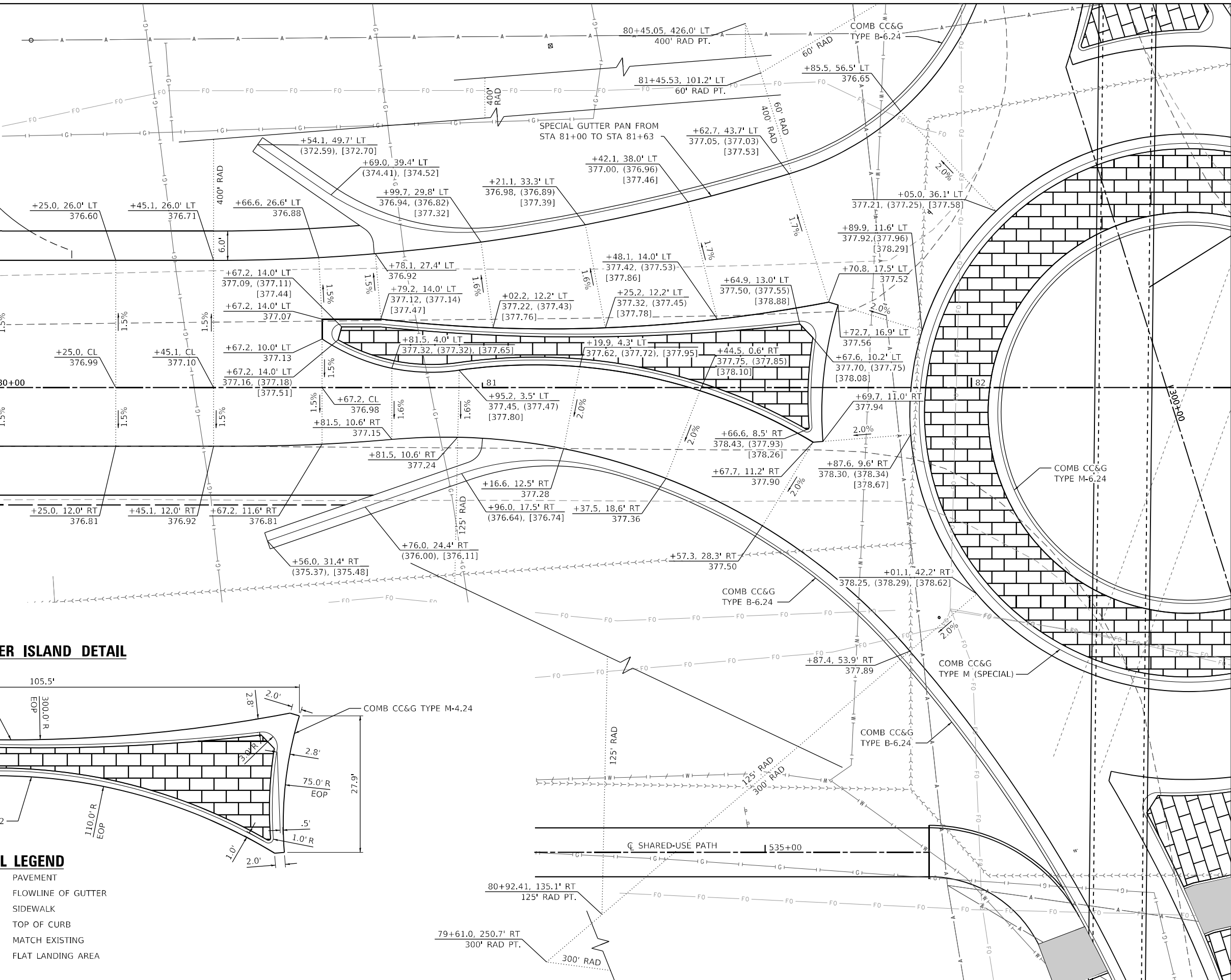


**DETAIL LEGEND**

- XXX.XX PAVEMENT
- (XXX.XX) FLOWLINE OF GUTTER
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING
- FLAT LANDING AREA



MODEL: 03 Rev: 04/2018 W  
 FILE NAME: 111220088 - IDOT\_PTB\_106\_Item 611220088.017 - 11\_146\_Phase II\_CADD/Microstation/CADD\_Drawing/D9220088.017.dwg/Working\_Details.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

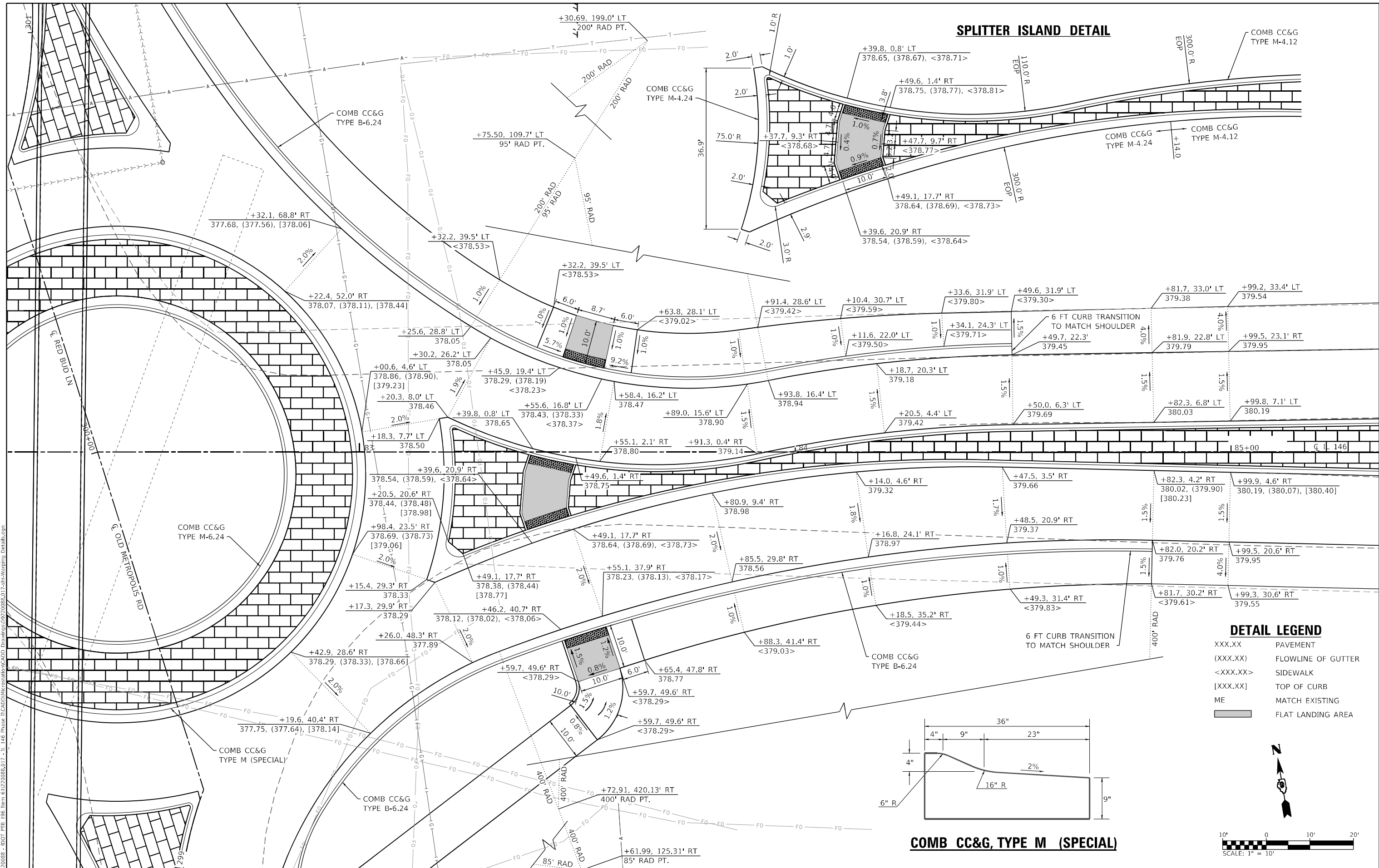
**INTERSECTION DETAILS - WEST  
ROUNDBOUT**

SCALE: 1"=10' SHEET 4 OF 7 SHEETS STA. TO STA.

|                    |               |         |              |           |
|--------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                | 110(W-2,RS-5) | JOHNSON | 159          | 83        |
| CONTRACT NO. 78524 |               |         |              |           |

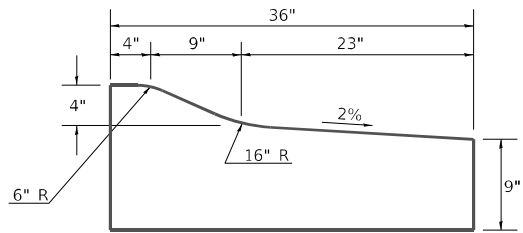
ILLINOIS FED. AID PROJECT

# SPLITTER ISLAND DETAIL

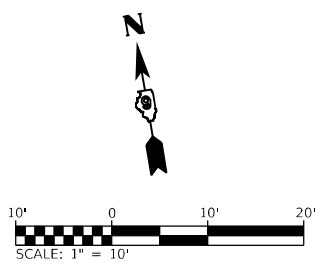


**DETAIL LEGEND**

|          |                    |
|----------|--------------------|
| XXX.XX   | PAVEMENT           |
| (XXX.XX) | FLOWLINE OF GUTTER |
| <XXX.XX> | SIDEWALK           |
| [XXX.XX] | TOP OF CURB        |
| ME       | MATCH EXISTING     |
|          | FLAT LANDING AREA  |



**COMB CC&G, TYPE M (SPECIAL)**



MODEL: 04\_Rd\_Rndbldg.dwg  
 FILE NAME: 1111220088 - IDOT\_PTB\_196\_Item 611220088.017 - 111\_146\_Phase 111CAD:DWG:MicroStation:Drawings:0220088.017.dwg:W:\sping Detail.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = rjnr,wilfjes  
 PLOT SCALE = 20,0000 \* / in.  
 PLOT DATE = 3/27/2023

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

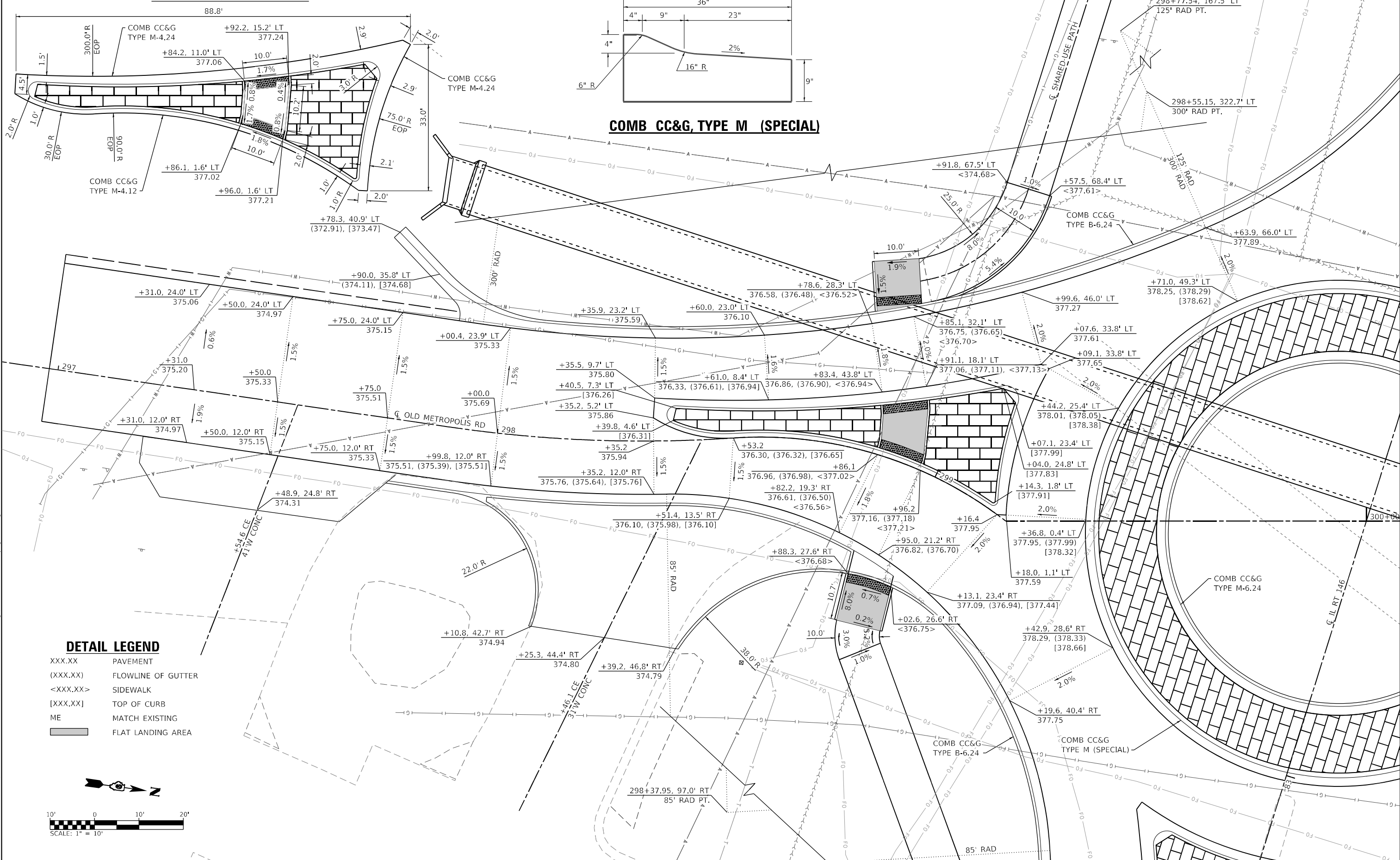
**INTERSECTION DETAILS - EAST**  
**ROUNDBOUT**

SCALE: 1"=10'    SHEET 5 OF 7 SHEETS    STA.    TO STA.

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 84        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

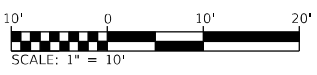
**SPLITTER ISLAND DETAIL**

**COMB CC&G, TYPE M (SPECIAL)**



**DETAIL LEGEND**

- XXX.XX PAVEMENT
- (XXX.XX) FLOWLINE OF GUTTER
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING
- FLAT LANDING AREA



MODEL: 05, Rev: 01/20/2023, E: IDOT\_PTB\_196, Item: 61220088.017 - 11, 146 Phase, I:\CADD\MicroStation\CADD\_Drawing\09220088.017.dwg, W:\piping\_Details.dgn  
 FILE NAME: 11/22/2023 - IDOT\_PTB\_196, Item: 61220088.017 - 11, 146 Phase, I:\CADD\MicroStation\CADD\_Drawing\09220088.017.dwg, W:\piping\_Details.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = rjns,witjes     | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

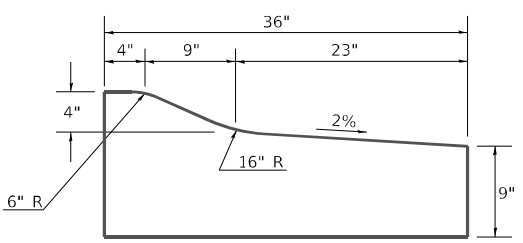
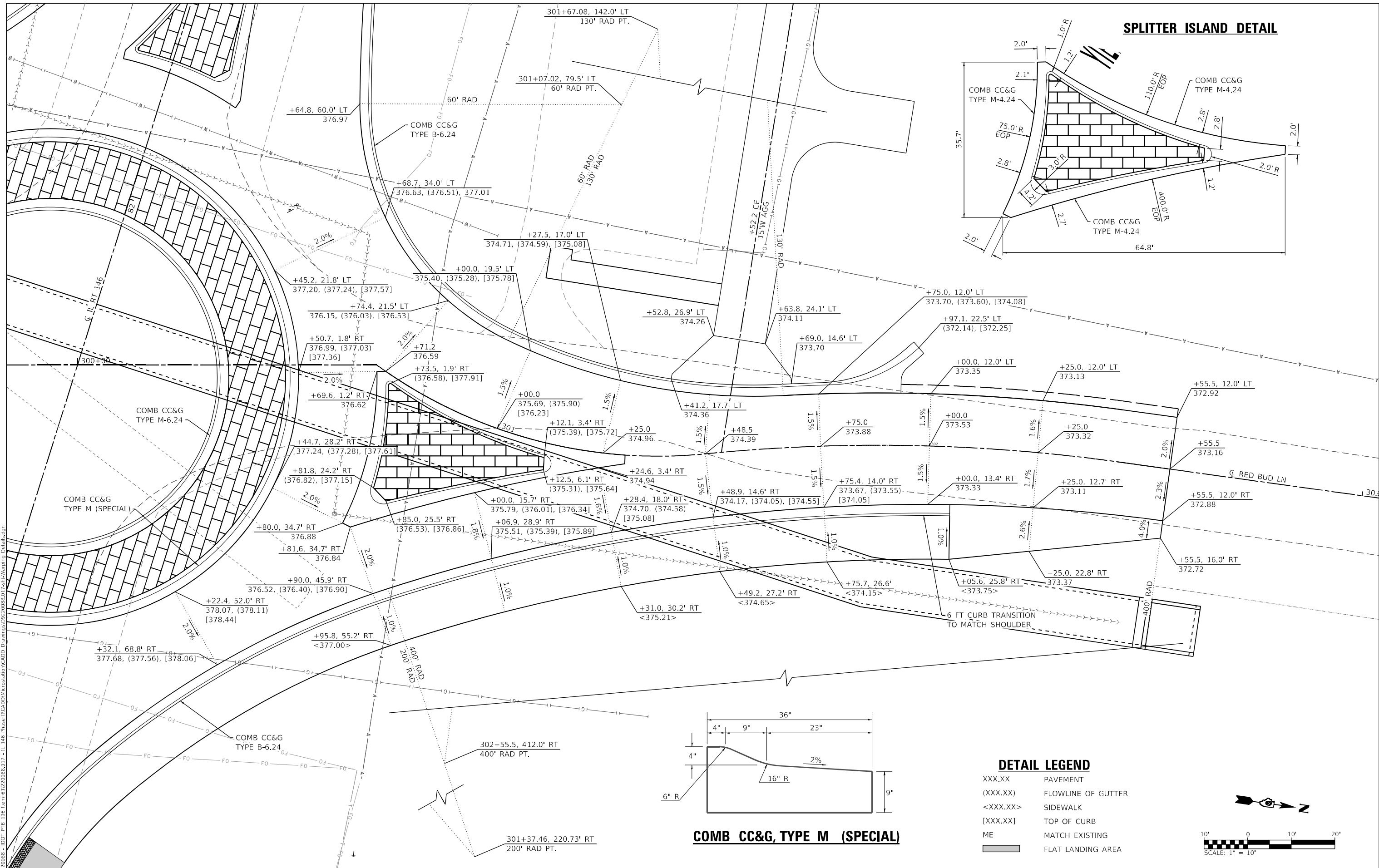
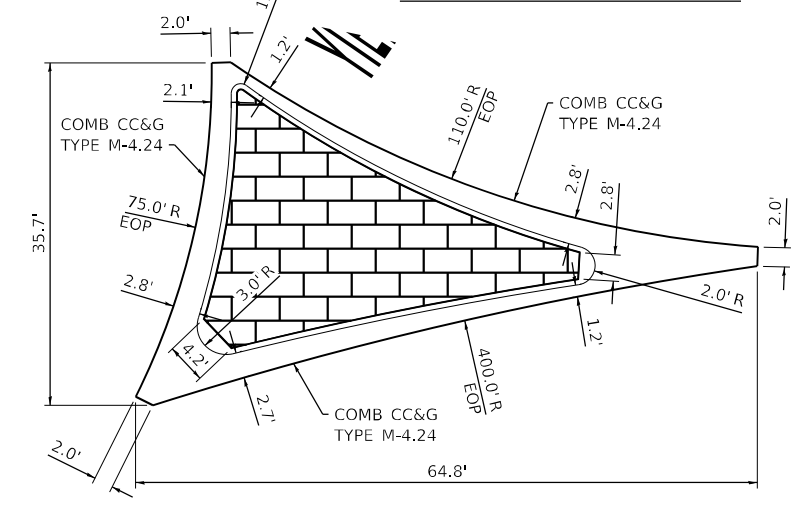
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS - SOUTH**  
**ROUNDBOUT**

SCALE: 1"=10'    SHEET 6 OF 7 SHEETS    STA.    TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 85        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

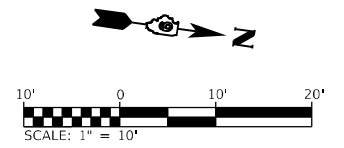
**SPLITTER ISLAND DETAIL**



**COMB CC&G, TYPE M (SPECIAL)**

**DETAIL LEGEND**

|          |                    |
|----------|--------------------|
| XXX.XX   | PAVEMENT           |
| (XXX.XX) | FLOWLINE OF GUTTER |
| <XXX.XX> | SIDEWALK           |
| [XXX.XX] | TOP OF CURB        |
| ME       | MATCH EXISTING     |
|          | FLAT LANDING AREA  |



MODEL: 06; File: rdchb1a.rvt; FILE NAME: I:\DOT\_PTB\_196\_Item 6\1220088.017\_11\_146\_Phase II\CADD\Microstation\CADD\_Drawing\09220888.017.dwg; MicroStation Details.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryne.witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS - NORTH  
ROUNDBOUT**

SCALE: 1"=10' SHEET 7 OF 7 SHEETS STA. TO STA.

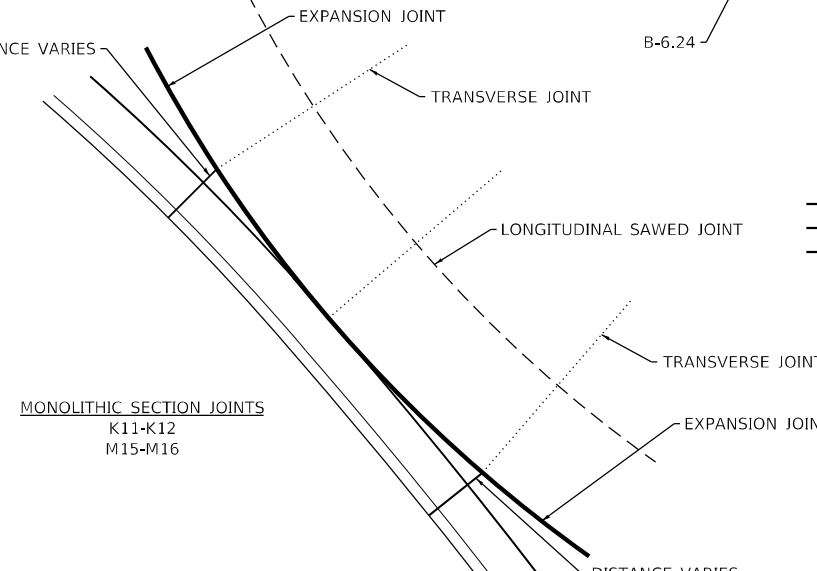
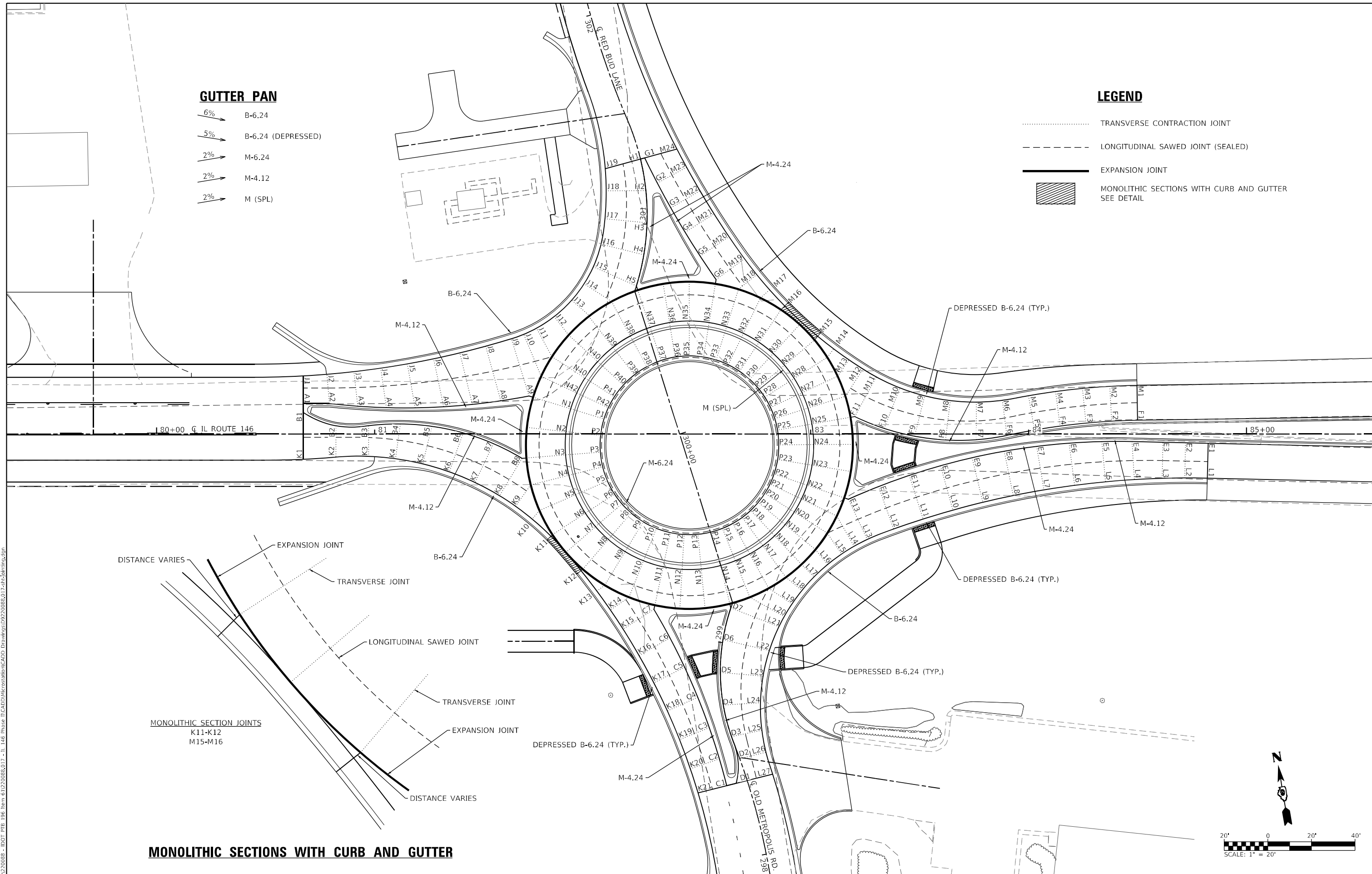
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|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 86 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

**GUTTER PAN**

- 6% → B-6.24
- 5% → B-6.24 (DEPRESSED)
- 2% → M-6.24
- 2% → M-4.12
- 2% → M (SPL)

**LEGEND**

- ..... TRANSVERSE CONTRACTION JOINT
- - - - - LONGITUDINAL SAWED JOINT (SEALED)
- EXPANSION JOINT
- ▨ MONOLITHIC SECTIONS WITH CURB AND GUTTER  
SEE DETAIL



**MONOLITHIC SECTIONS WITH CURB AND GUTTER**

MODEL: Default  
 FILE NAME: I:\2008\885 - IDOT\_PTB\_196\_Item 6\1220088.017 - IL\_146\_Phase II\CADD\Microstation\CADD\_Drawing\09220088.017.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = rjnr,wiljcs      | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

|               |  |                     |  |                 |         |
|---------------|--|---------------------|--|-----------------|---------|
| SCALE: 1"=20' |  | SHEET 1 OF 4 SHEETS |  | JOINTING DETAIL |         |
|               |  |                     |  | STA.            | TO STA. |

|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 87 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |



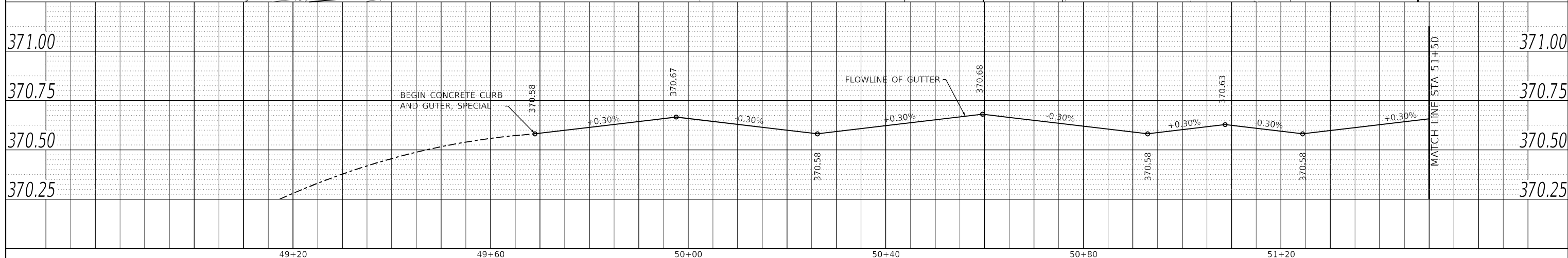
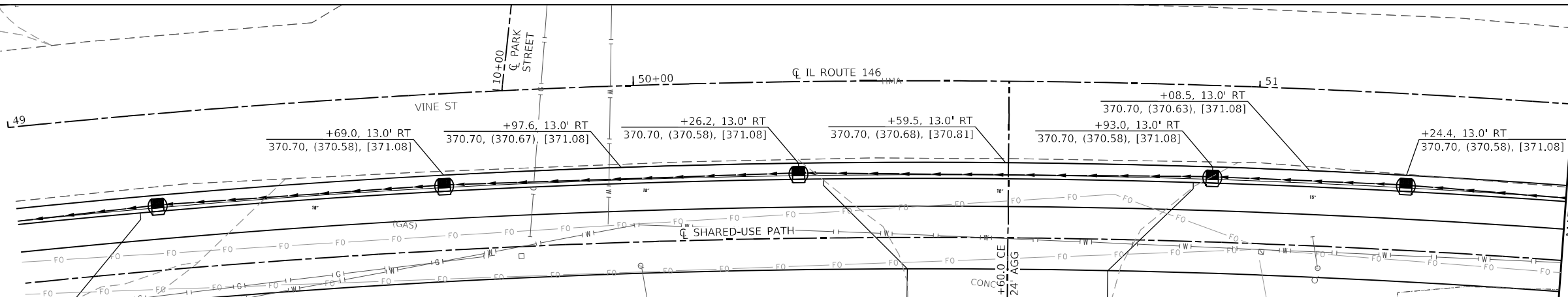






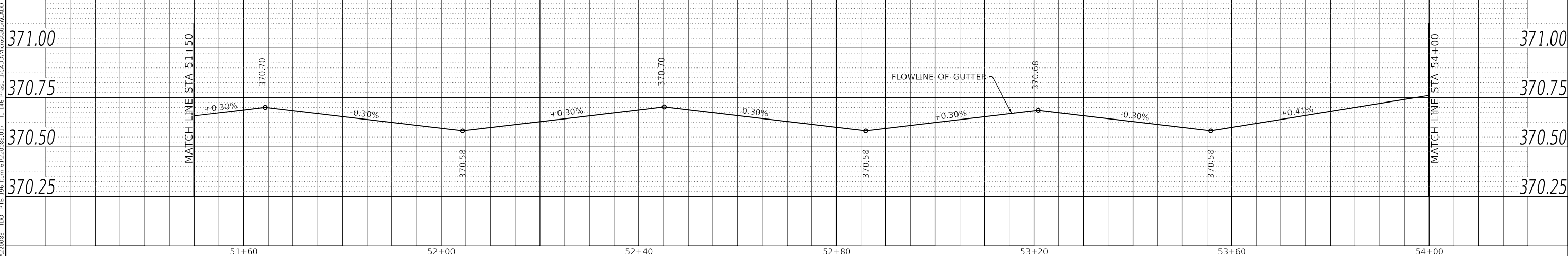
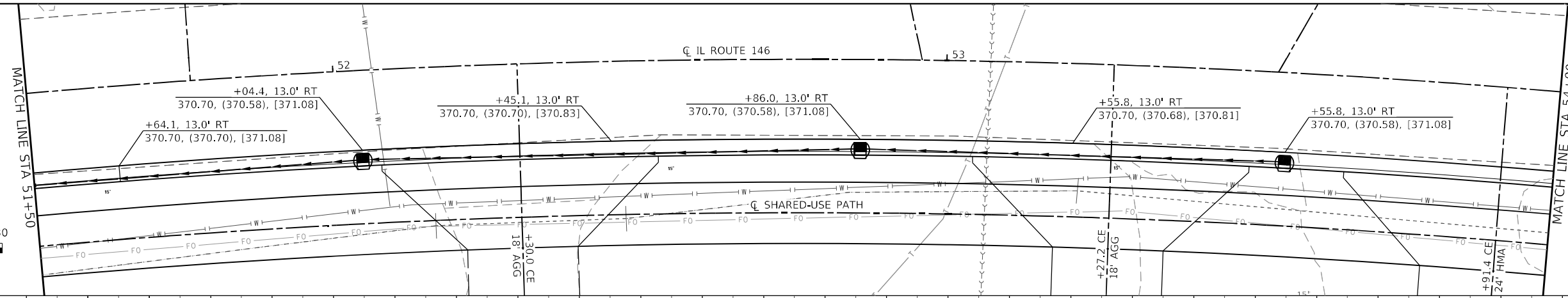
**DETAIL LEGEND**

- XXX.XX PAVEMENT
- (XXX.XX) FLOWLINE OF GUTTER
- [XXX.XX] TOP OF CURB



|      |  |
|------|--|
| DATE |  |
| BY   |  |
| PLAN |  |
| NO.  |  |
| NO.  |  |
| NO.  |  |
| NO.  |  |
| NO.  |  |

|         |  |
|---------|--|
| DATE    |  |
| BY      |  |
| PROFILE |  |
| NO.     |  |
| NO.     |  |
| NO.     |  |
| NO.     |  |
| NO.     |  |



MODEL SHEET 1  
 FILE NAME: H:\220088 - IDOT - PTB 196 Item 61220088.dwg - IL 146 Phase II CAD\Drawings\220088\017-sheet-detail.dwg

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = ryrn,witjes      | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023        | DRAWN -    | REVISED - |
|                              | CHECKED -  | REVISED - |

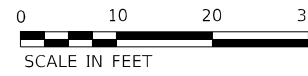
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SPECIAL GUTTER FLOWLINE DETAIL**  
 SCALE: 1" = 10'    SHEET 1 OF 4 SHEETS    STA. 49+00 TO STA. 54+00

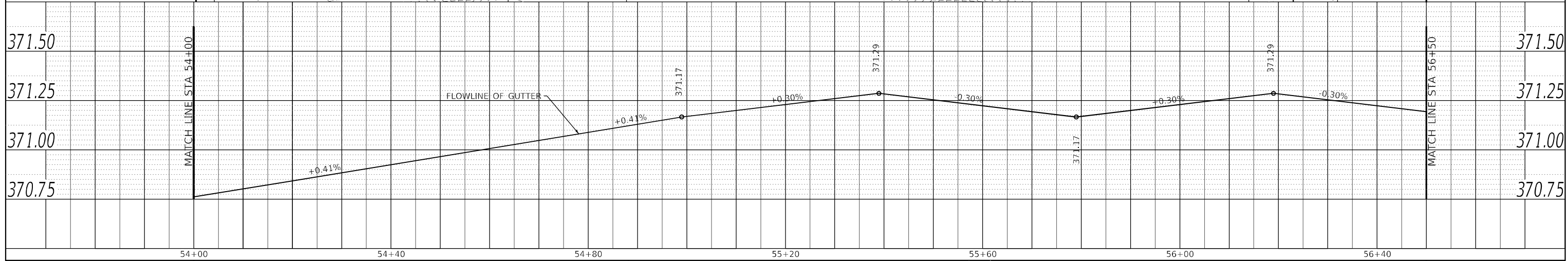
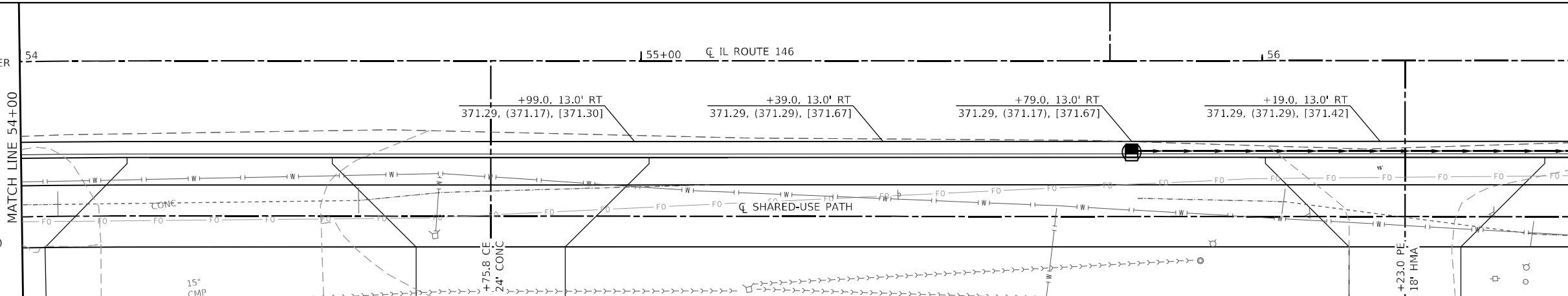
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| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 91 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

**DETAIL LEGEND**

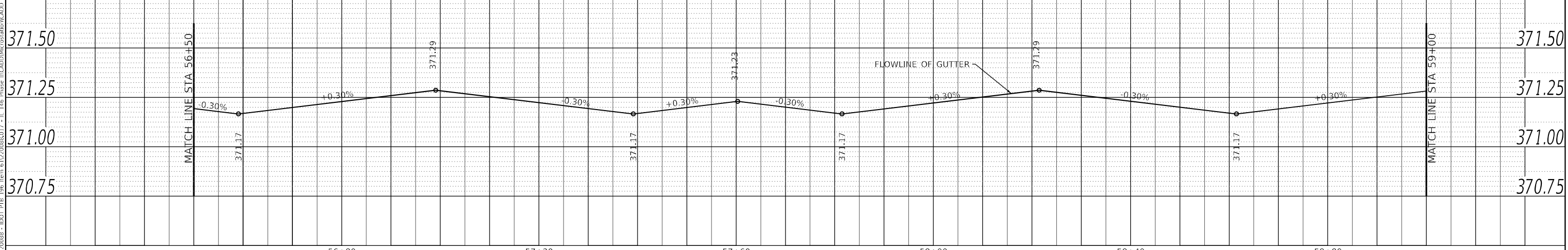
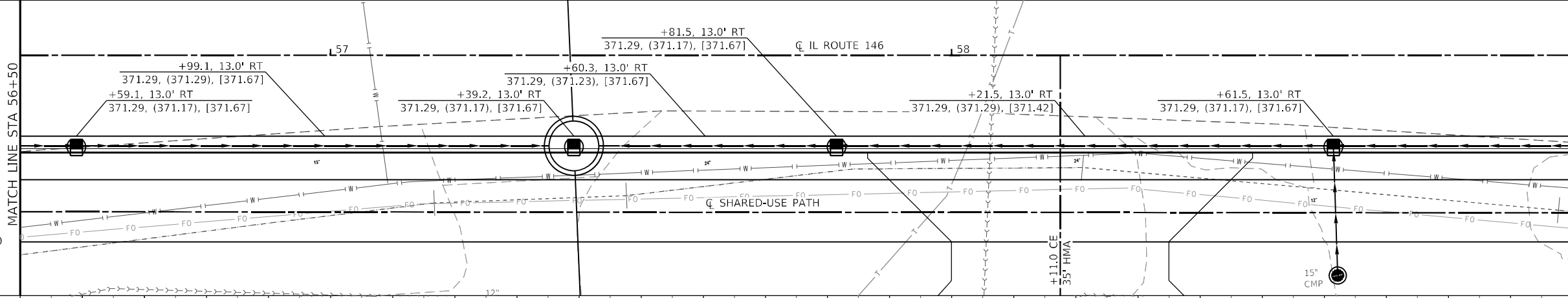
XXX.XX PAVEMENT  
 (XXX.XX) FLOWLINE OF GUTTER  
 [XXX.XX] TOP OF CURB



|           |  |
|-----------|--|
| DATE      |  |
| BY        |  |
| PLAN      |  |
| NO.       |  |
| NOTE BOOK |  |
| NO.       |  |
| STRUCTURE |  |
| NO.       |  |
| DATE      |  |
| BY        |  |
| PROFILE   |  |
| NO.       |  |
| NOTE BOOK |  |
| NO.       |  |
| STRUCTURE |  |
| NO.       |  |



|           |  |
|-----------|--|
| DATE      |  |
| BY        |  |
| PROFILE   |  |
| NO.       |  |
| NOTE BOOK |  |
| NO.       |  |
| STRUCTURE |  |
| NO.       |  |
| DATE      |  |
| BY        |  |
| PLAN      |  |
| NO.       |  |
| NOTE BOOK |  |
| NO.       |  |
| STRUCTURE |  |
| NO.       |  |



MODEL SHEET 2  
 FILE NAME: H:\220088 - IDOT - P18 - I18 Phase II\CADD\Drawings\9920088\017 - I18 Phase II\CADD\Drawings\9920088\017 - I18 Phase II.dwg

|                              |            |          |   |                                       |         |             |                 |                       |                    |                  |              |  |
|------------------------------|------------|----------|---|---------------------------------------|---------|-------------|-----------------|-----------------------|--------------------|------------------|--------------|--|
| USER NAME = rjw,wiljws       | DESIGNED - | REVISD - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SPECIAL GUTTER FLOWLINE DETAIL</b> |         |             | F.A.P. RTE. 885 | SECTION 110(W-2,RS-5) | COUNTY JOHNSON     | TOTAL SHEETS 159 | SHEET NO. 92 |  |
| PLOT SCALE = 20,0000 * / in. | DRAWN -    | REVISD - |   | SCALE: 1" = 10'                       | SHEET 2 | OF 4 SHEETS | STA. 54+00      | TO STA. 59+00         | CONTRACT NO. 78524 |                  |              |  |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISD - |   | ILLINOIS FED. AID PROJECT             |         |             |                 |                       |                    |                  |              |  |
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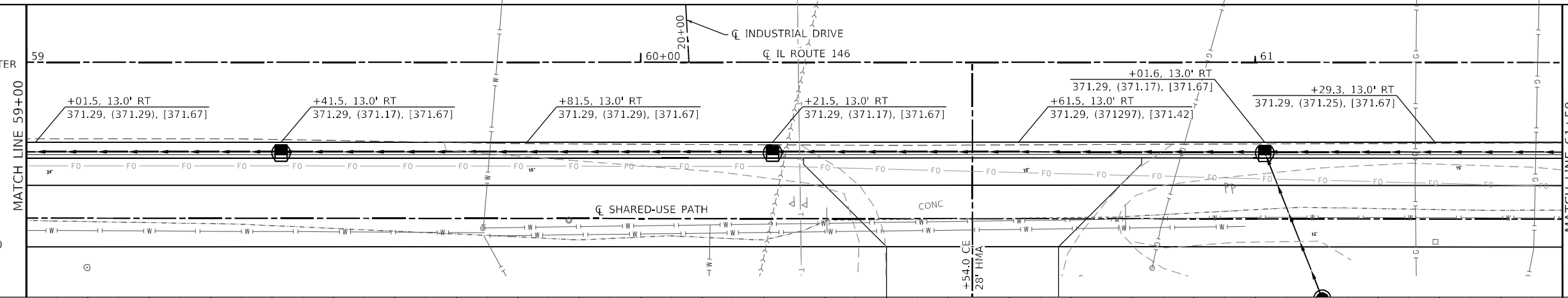
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| PLAN | SURVEYED  | DATE |
|      | PLOTTED   |      |
|      | ALIGNED   |      |
|      | CHECKED   |      |
|      | FILE NAME |      |
|      | NO.       |      |

|         |           |      |
|---------|-----------|------|
| PROFILE | SURVEYED  | DATE |
|         | PLOTTED   |      |
|         | GRADES    |      |
|         | CHECKED   |      |
|         | STRUCTURE |      |
|         | NOTATION  |      |
|         | NO.       |      |

MODEL SHEET 3  
 FILE NAME: H:\220088 - IDOT - PTB 156 Item 61220088.dwg - IL 146 Phase II CAD\Drawings\220088\017-sheet3.dwg

**DETAIL LEGEND**

- XXX.XX PAVEMENT
- (XXX.XX) FLOWLINE OF GUTTER
- [XXX.XX] TOP OF CURB



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SPECIAL GUTTER FLOWLINE DETAIL**

SCALE: 1" = 10'    SHEET 3    OF 4    SHEETS    STA. 59+00    TO STA. 64+00

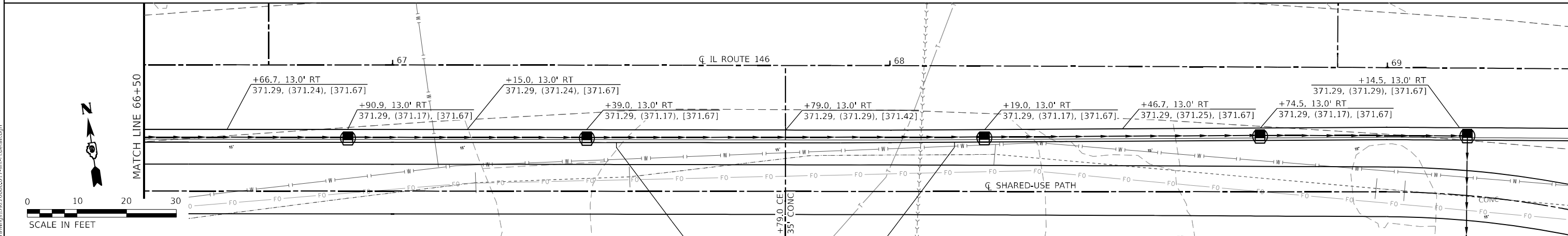
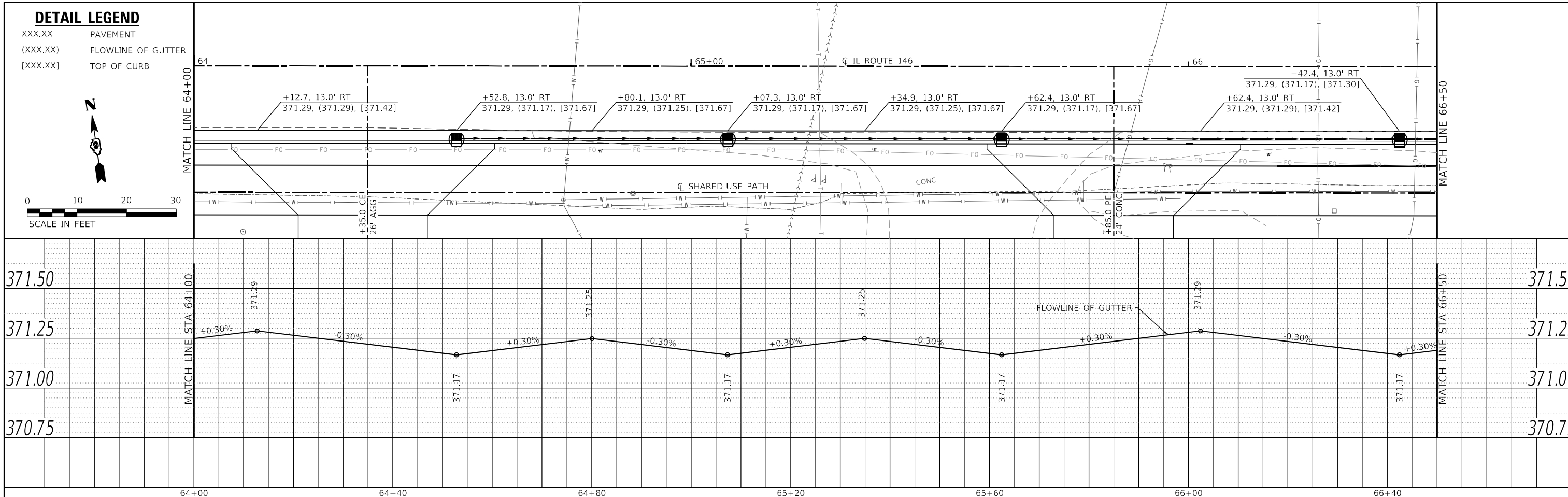
|                           |                       |                |                  |              |
|---------------------------|-----------------------|----------------|------------------|--------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 93 |
| CONTRACT NO. 78524        |                       |                |                  |              |
| ILLINOIS FED. AID PROJECT |                       |                |                  |              |

**DETAIL LEGEND**

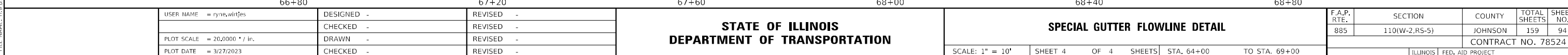
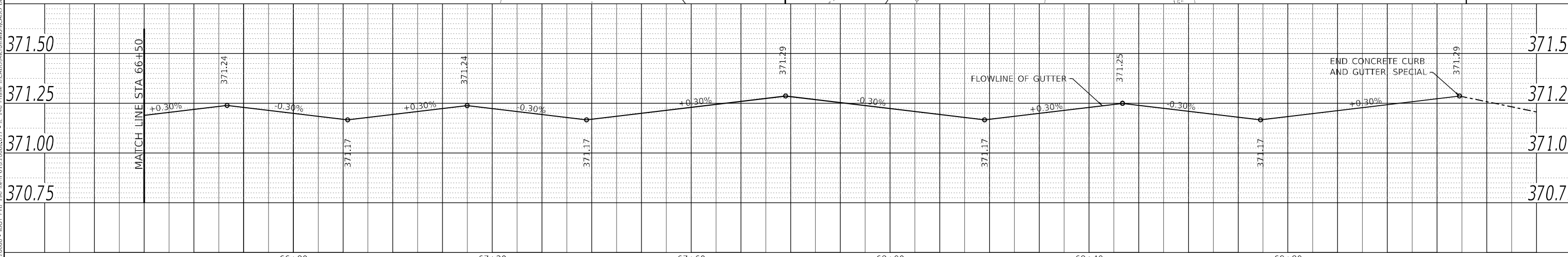
XXX.XX PAVEMENT  
 (XXX.XX) FLOWLINE OF GUTTER  
 [XXX.XX] TOP OF CURB



|      |                             |      |
|------|-----------------------------|------|
| PLAN | SURVEYED                    | DATE |
|      | PLOTTED                     |      |
|      | ALIGNMENT CHECKED           |      |
|      | GRADES CHECKED              |      |
|      | STRUCTURE NOTATIONS CHECKED |      |
|      | NOTE BOOK NO.               |      |
|      | CADD FILE NAME              |      |



|         |                             |      |
|---------|-----------------------------|------|
| PROFILE | SURVEYED                    | DATE |
|         | PLOTTED                     |      |
|         | GRADES CHECKED              |      |
|         | STRUCTURE NOTATIONS CHECKED |      |
|         | NOTE BOOK NO.               |      |
|         | CADD FILE NAME              |      |



MODEL SHEET 4  
 FILE NAME: H:\220088 - IDOT - P18 - I16 Phase II\CADD\Drawings\220088\017-sheet4.dwg

|                              |            |          |
|------------------------------|------------|----------|
| USER NAME = rylene.witjes    | DESIGNED - | REVISD - |
|                              | CHECKED -  | REVISD - |
| PLOT SCALE = 20,0000 * / in. | DRAWN -    | REVISD - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISD - |

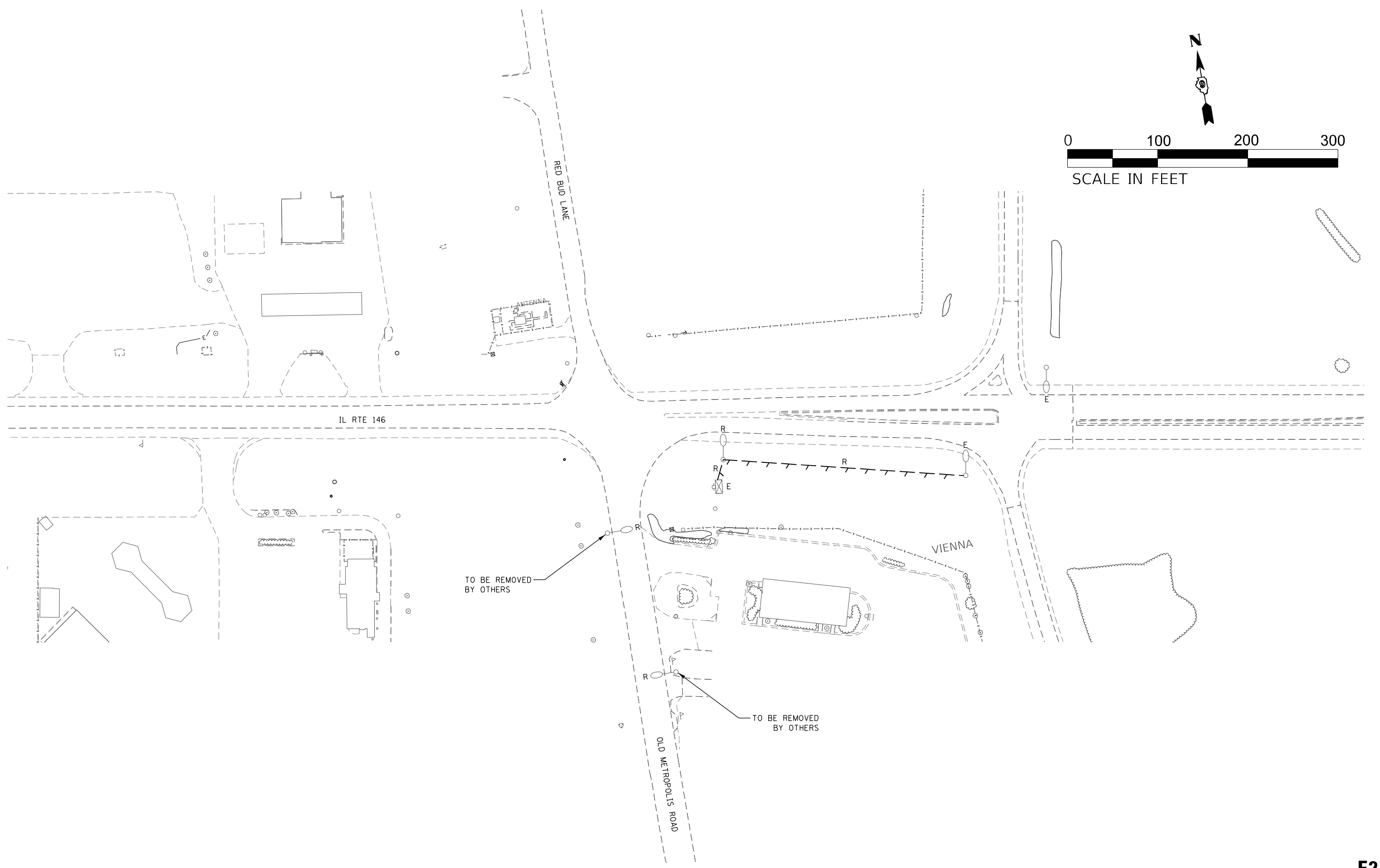
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SPECIAL GUTTER FLOWLINE DETAIL**

SCALE: 1" = 10'    SHEET 4 OF 4 SHEETS    STA. 64+00 TO STA. 69+00

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 94        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |





MODEL: Default  
 FILE NAME: I:\0220088 - IDOT\_PTB\_196\_Item 61220088.017 - IL\_146\_Phase\_IL\CADD\Microstation\CADD\_Drawing\0220088.017.dwg

**E2**

|                              |            |                     |
|------------------------------|------------|---------------------|
| USER NAME = bill.drdall      | DESIGNED - | REVISED - 5/10/2023 |
|                              | DRAWN -    | REVISED -           |
| PLOT SCALE = 100,0000' / in. | CHECKED -  | REVISED -           |
| PLOT DATE = 5/10/2023        | DATE -     | REVISED -           |

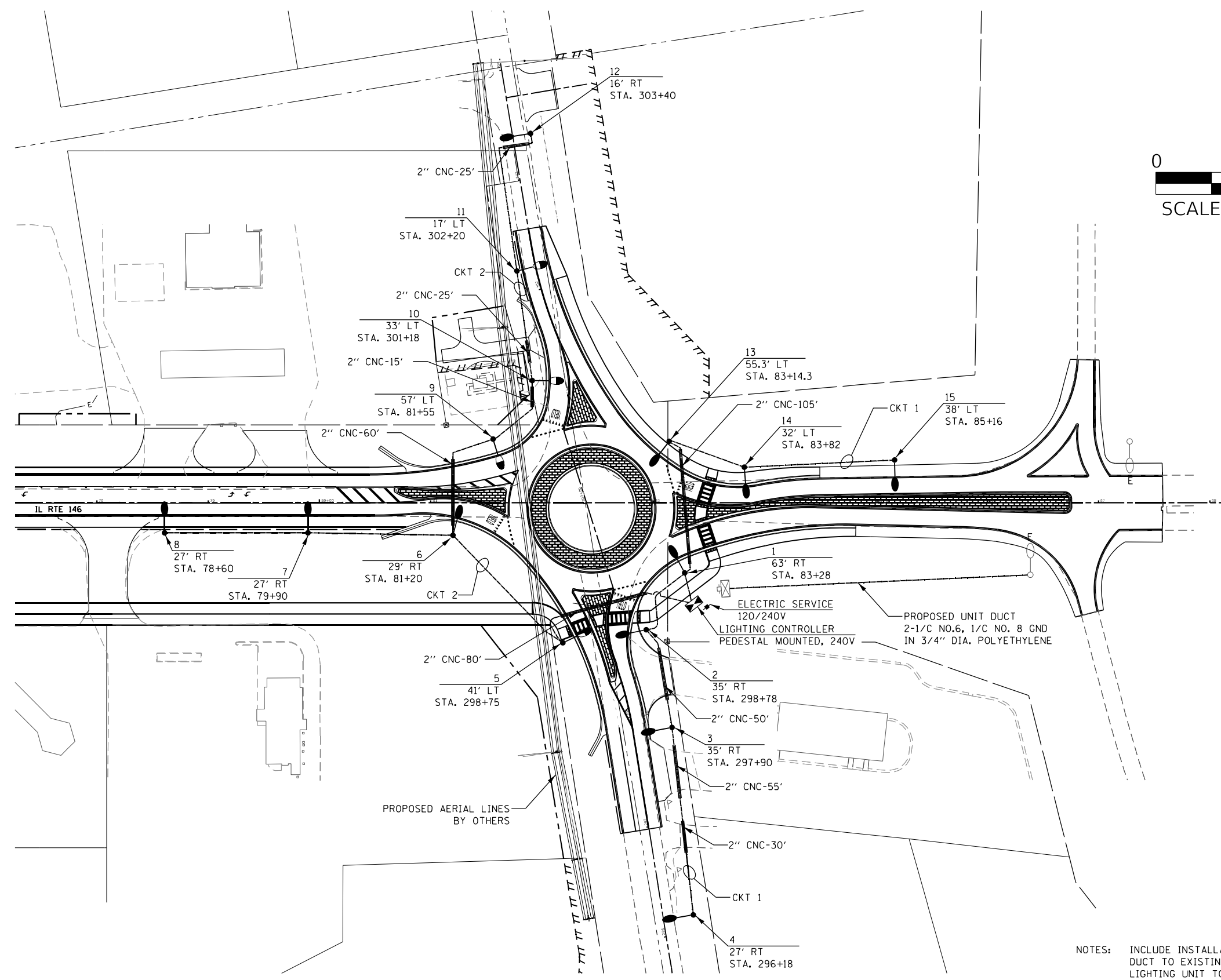
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL PLAN**  
**IL-146 & OLD METROPOLIS ROAD**

SCALE: 1"=50'    SHEET 2 OF 6 SHEETS    STA.    TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 96        |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |





NOTES: INCLUDE INSTALLATION OF NEW UNDERGROUND WIRE DUCT TO EXISTING LIGHTING CONTROLLER AND LIGHTING UNIT TO REMAIN.

LIGHT POLES, TENONS AND FOUNDATIONS ALONG OLD METROPOLIS ROAD TO MAINTAIN A MINIMUM 10.7' HORIZONTAL SEPARATION AND A MINIMUM 10' VERTICAL SEPARATION FROM PROPOSED AERIAL LINES BY OTHERS.

MODEL: Default  
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|                              |            |                     |
|------------------------------|------------|---------------------|
| USER NAME = breanna.frahm    | DESIGNED - | REVISED - 5/10/2023 |
|                              | DRAWN -    | REVISED -           |
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| PLOT DATE = 5/18/2023        | DATE -     | REVISED -           |

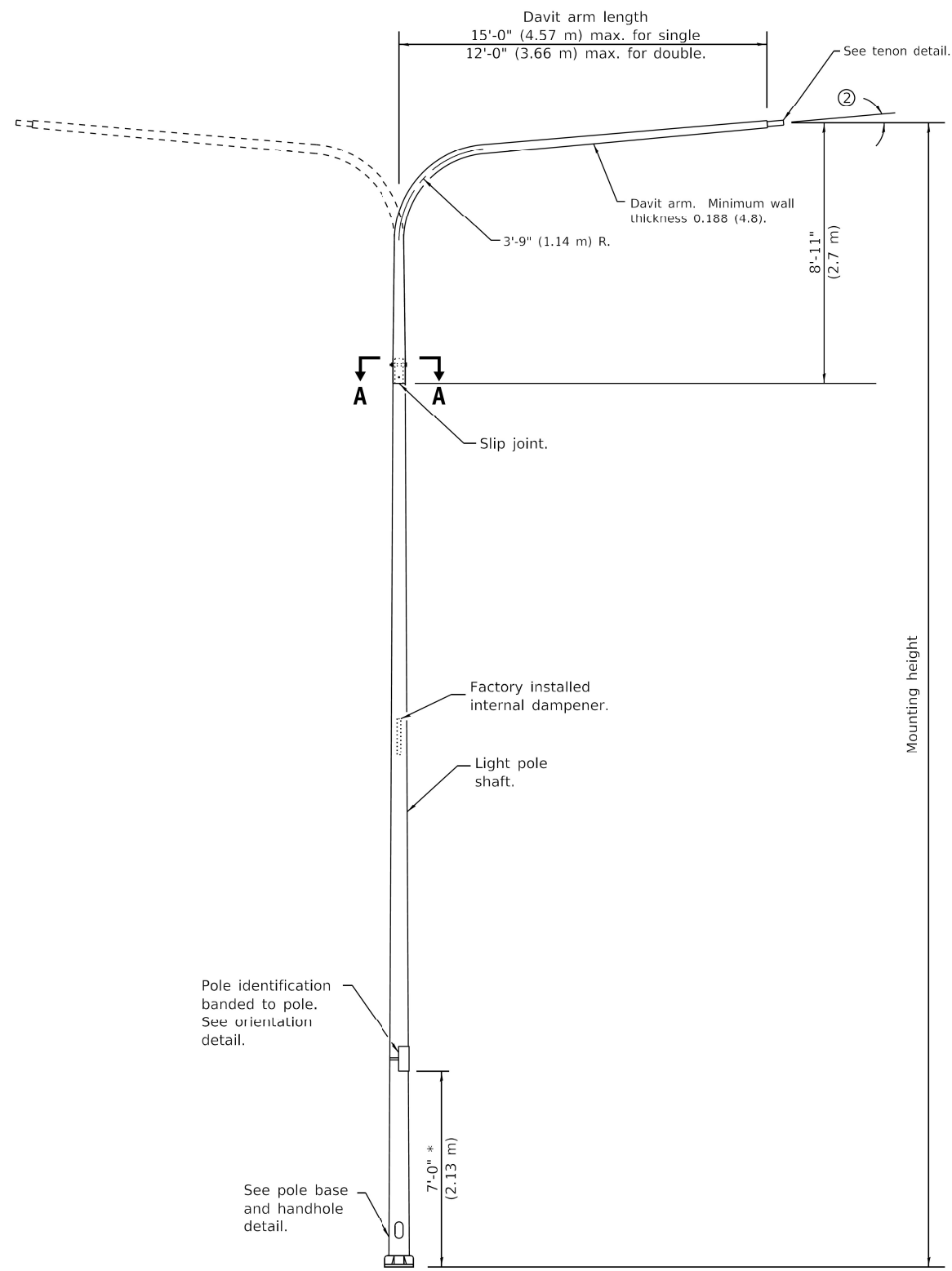
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

|  |         |             |              |
|--|---------|-------------|--------------|
| <b>PROPOSED LIGHTING PLAN</b><br><b>IL-146 &amp; OLD METROPOLIS ROAD</b> |         |             |              |
| SCALE: 1"=50'  | SHEET 3 | OF 6 SHEETS | STA. TO STA. |

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------------|---------|--------------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 97        |
|                           |               |         | CONTRACT NO. 78524 |           |
| ILLINOIS FED. AID PROJECT |               |         |                    |           |

**E3**





**DAVIT LIGHT POLE**

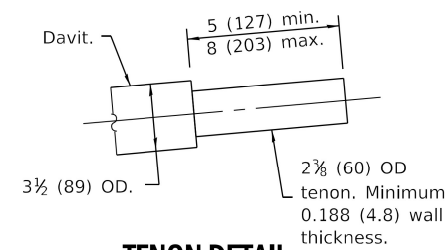
(Single or twin mount)

\* Unless directed otherwise by the Engineer.

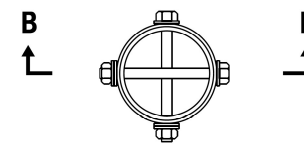
| POLE BASE       |                      |
|-----------------|----------------------|
| MOUNTING HEIGHT | BOLT CIRCLE DIAMETER |
| 25' (7.6 m)     | 11½ (290)            |

| POLE LOWER SHAFT |                      |                             |                        |
|------------------|----------------------|-----------------------------|------------------------|
| MOUNTING HEIGHT  | LOWER SHAFT LENGTH ① | MINIMUM SHAFT DIAMETER      | MINIMUM WALL THICKNESS |
| 25' (7.6 m)      | 16'-1" (4.9 m)       | 8 tapered to 6 (200 to 114) | 0.25 (6)               |

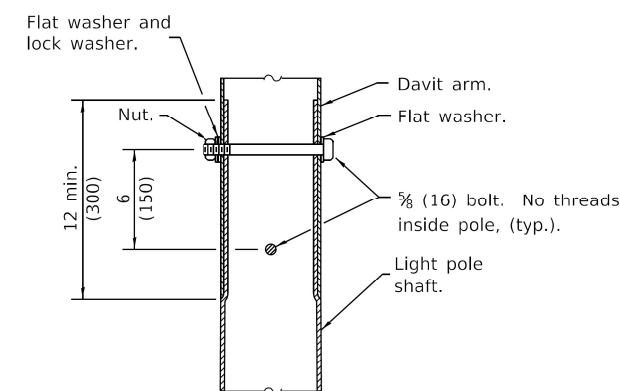
- ① Lower shaft length shall be from the bottom of the pole base to the bottom of the slip joint.
- ② 5° max. for unloaded pole, 1.5° max. for loaded pole.



**TENON DETAIL**



**SECTION A-A**



**SECTION B-B**

**GENERAL NOTES**

- See Standard 836001 for Light Pole Foundation and grounding electrode.
- See Standard 720001 for pole identification banding to pole.
- Voids in light pole base shall be sealed to prevent rodent entry.
- Provide breakaway devices where required.
- All dimensions are in inches (millimeters) unless otherwise shown.

**LIGHT POLE  
ALUMINUM DAVIT ARM  
25' (7.6 m) MOUNTING HEIGHT**

(Sheet 1 of 2)

**DETAIL**

**E5**

MODEL: Default; FILE NAME: I:\CAD\DWG\MicroStation\CADD\_Drawing\09220088\017-46-Phase\_II\CADD\MicroStation\CADD\_Drawing\09220088\017-46-Phase\_II.dwg

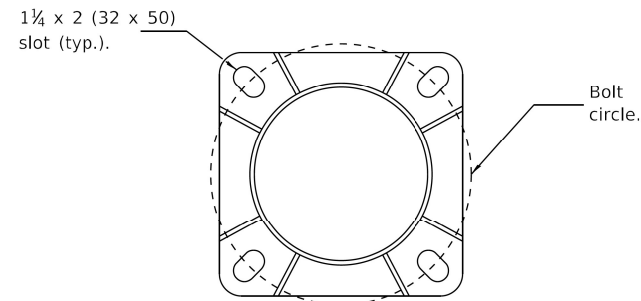
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|-------------------------------|------------|-----------|
| USER NAME = bill.drdall       | DESIGNED - | REVISED - |
|                               | DRAWN -    | REVISED - |
| PLOT SCALE = 100,0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 5/10/2023         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

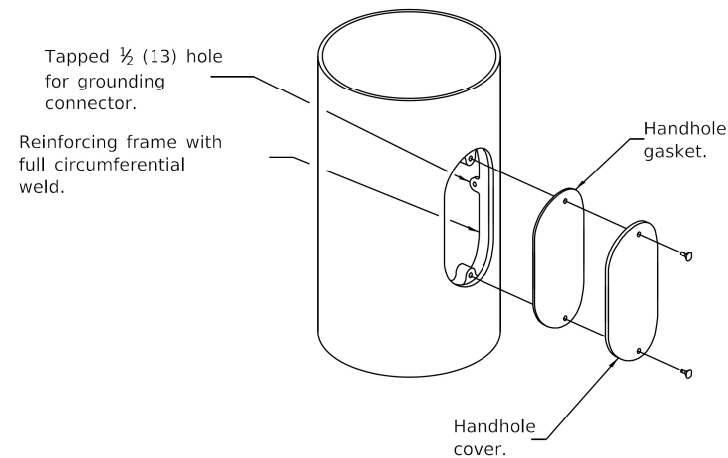
**LIGHT POLE ALUMINUM DAVIT ARM 25' MOUNTING HEIGHT DETAILS**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

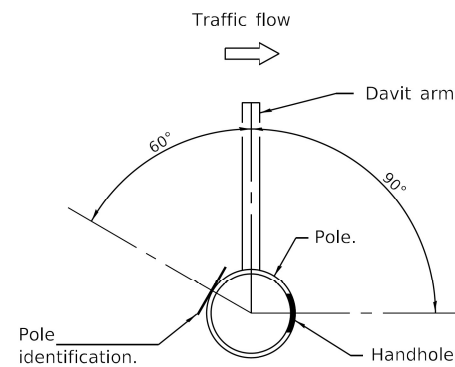
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|--------------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885                | 110(W-2,RS-5) | JOHNSON | 159                       | 98A       |
| CONTRACT NO. 78524 |               |         | ILLINOIS FED. AID PROJECT |           |



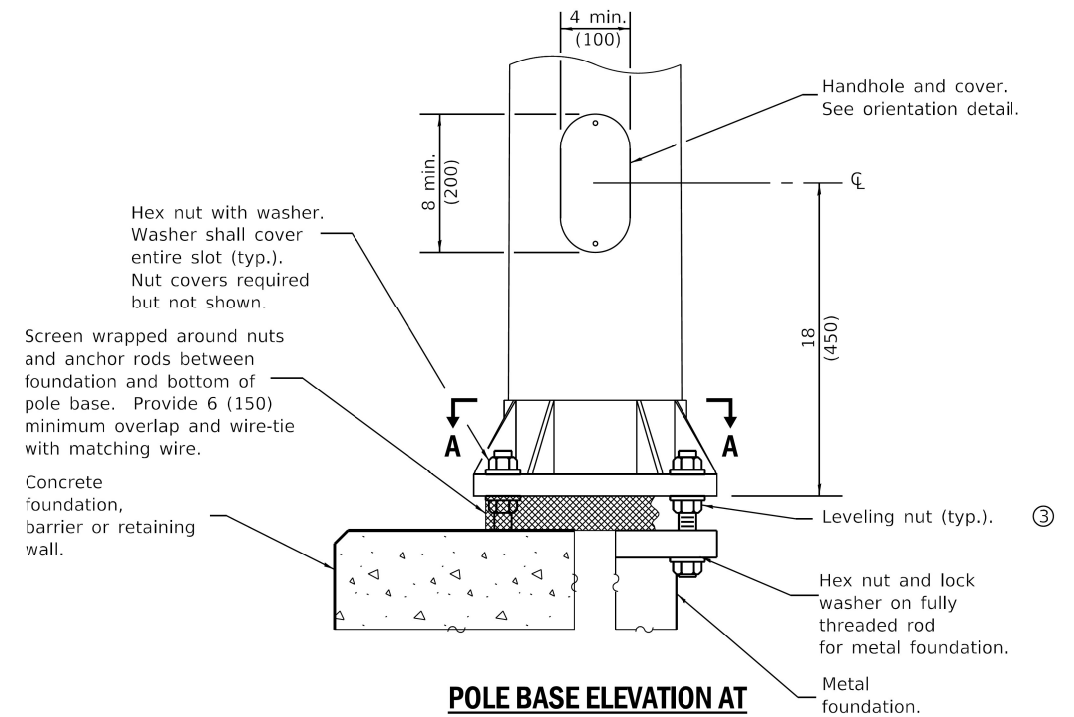
**SECTION A-A**  
(Bolts not shown)



**HANDHOLE DETAIL**



**HANDHOLE / IDENTIFICATION  
ORIENTATION DETAIL**



**POLE BASE ELEVATION AT  
CONCRETE FOUNDATION OR  
METAL FOUNDATION**

③ Omit leveling nuts when breakaway devices are required.

|  |  |
|--|--|
| <b>LIGHT POLE<br/>ALUMINUM DAVIT ARM<br/>25' (7.6 m) MOUNTING HEIGHT</b> |  |
| (Sheet 2 of 2)   |  |
| <b>DETAIL</b>  |  |

**E6**

MODEL: Default; FILE NAME: I:\CADD\MicroStation\CADD\_Drawing\09220088\017-11\_146\_Phase\_11\CADD\MicroStation\CADD\_Drawing\09220088\017-11-146-Phase\_11-lightpole-E6.dgn

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = bill.irndall     | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 5/10/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

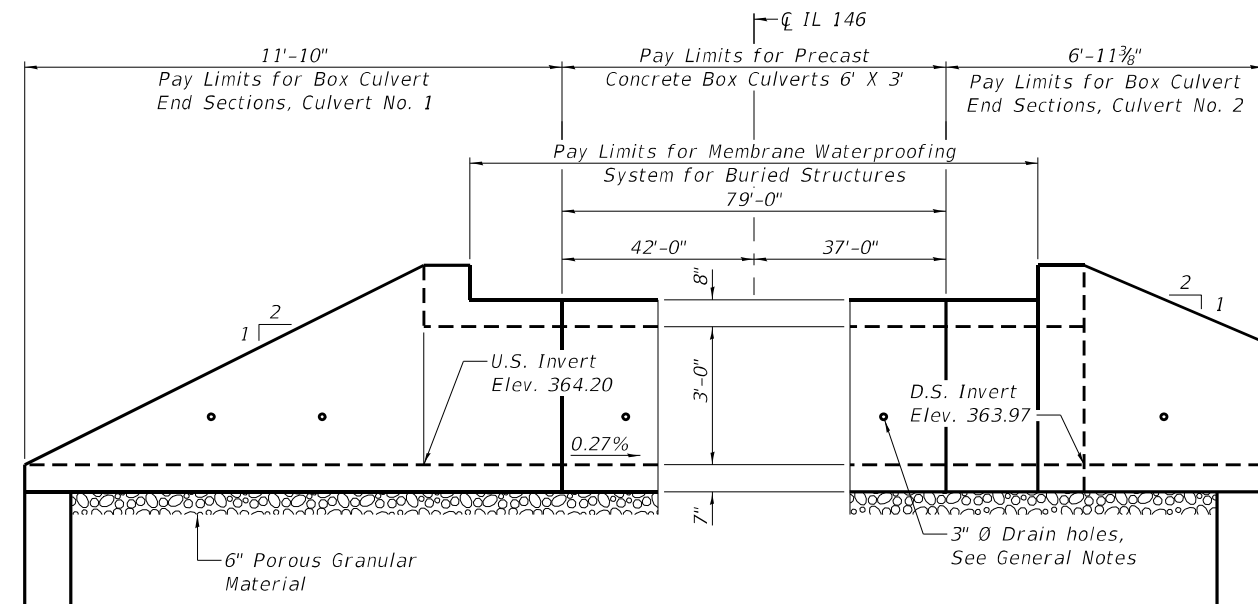
**LIGHT POLE ALUMINUM DAVIT ARM 25' MOUNTING HEIGHT DETAILS**

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

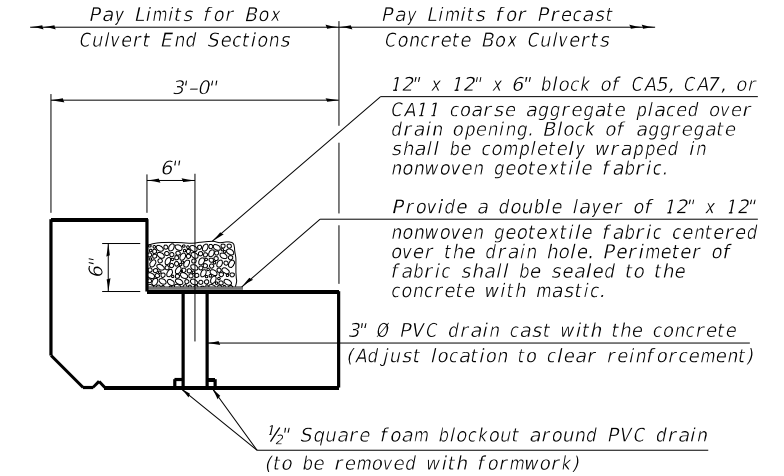
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| F.A.P. RTE. | SECTION       | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 885         | 110(W-2,RS-5) | JOHNSON  | 159                | 98B       |
|             |               |          | CONTRACT NO. 78524 |           |
|             |               | ILLINOIS | FED. AID PROJECT   |           |

**GENERAL NOTES**

The design fill height for this box is 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.  
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.  
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.  
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



**ELEVATION**  
 (Dimensions parallel to  $\phi$  of Culvert)



**DRAIN DETAIL**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

**INDEX OF SHEETS**

| Sheet No. | Description                 |
|-----------|-----------------------------|
| 1         | General Plan and Elevation  |
| 2-3       | Precast Tapered End Section |
| 4-5       | Precast Apron End Section   |

**LOADING HL-93**

**DESIGN SPECIFICATIONS**  
 2020 AASHTO LRFD Bridge Design Specifications 9th Edition

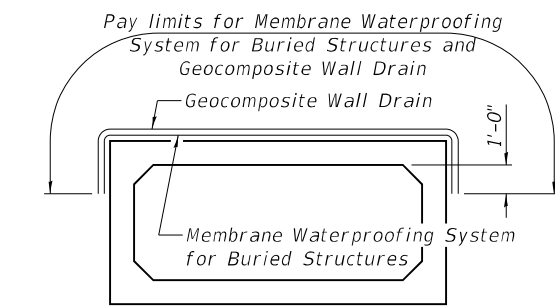
**DESIGN STRESSES**

**PRECAST UNITS**

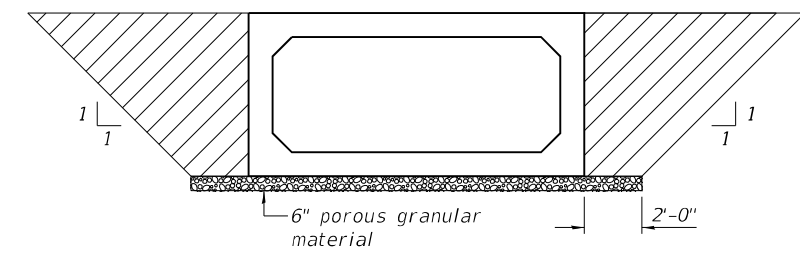
$f'_c = 5,000$  psi  
 $f_y = 65,000$  psi (Welded Wire Reinforcement)

**TOTAL BILL OF MATERIAL**

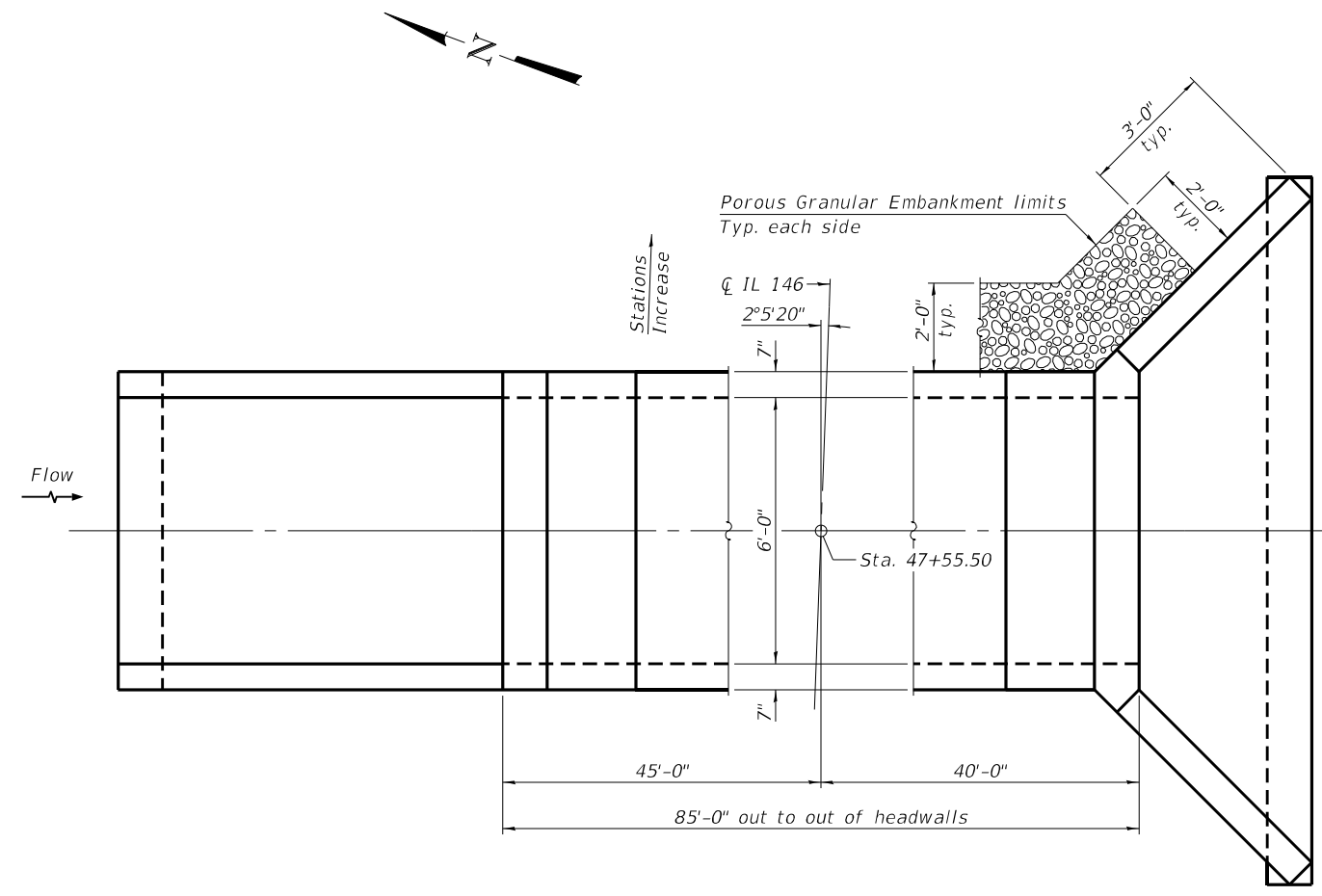
| ITEM  | UNIT    | TOTAL |
|---|---------|-------|
| Porous Granular Embankment                          | Cu. Yd. | 125   |
| Removal of Existing Structures No. 1                | Each    | 1     |
| Structure Excavation                                | Cu. Yd. | 270   |
| Box Culvert End Sections, Culvert No. 1             | Each    | 1     |
| Box Culvert End Sections, Culvert No. 2             | Each    | 1     |
| Precast Concrete Box Culverts 6' X 3'               | Foot    | 79    |
| Geocomposite Wall Drain                             | Sq. Yd. | 97    |
| Membrane Waterproofing System for Buried Structures | Sq. Yd. | 97    |



**MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES**



**PAY LIMITS FOR POROUS GRANULAR EMBANKMENT**  
 (Hatched area)



**PLAN**

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088.017 - IL 146 Phase I\Bridges\Microstation\0447098-78524-001-General Plan & Elevation.dgn



|                       |                |           |
|-----------------------|----------------|-----------|
| USER NAME =           | DESIGNED - KBC | REVISED - |
| CHECKED - ETH         | CHECKED - ETH  | REVISED - |
| PLOT SCALE =          | DRAWN - KBC    | REVISED - |
| PLOT DATE = 3/13/2023 | CHECKED - ETH  | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION  
 STRUCTURE NO. 044-7098**

SHEET 1 OF 5 SHEETS

|                           |                |         |              |           |
|---------------------------|----------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 99        |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See General Plan & Elevation for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

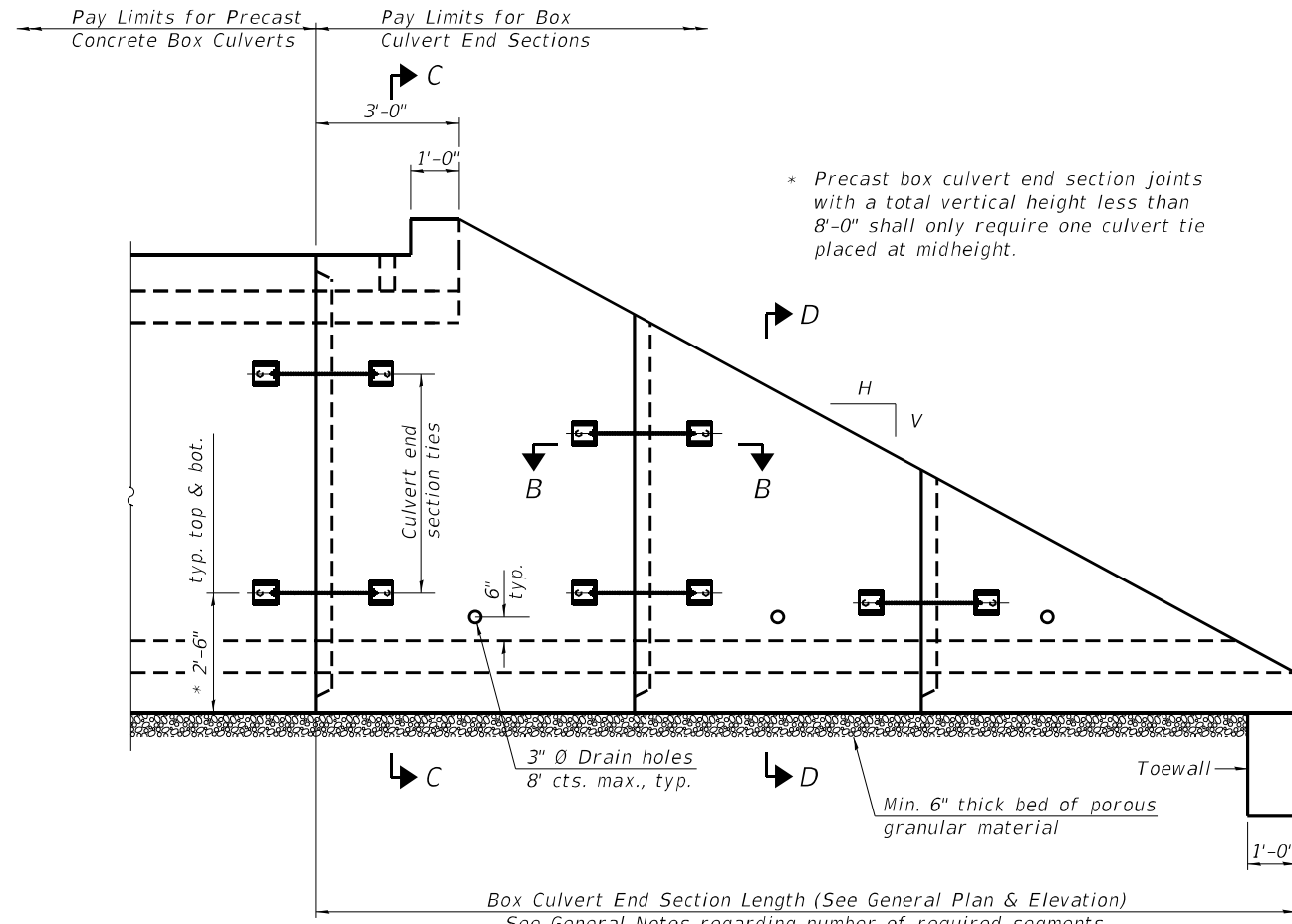
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

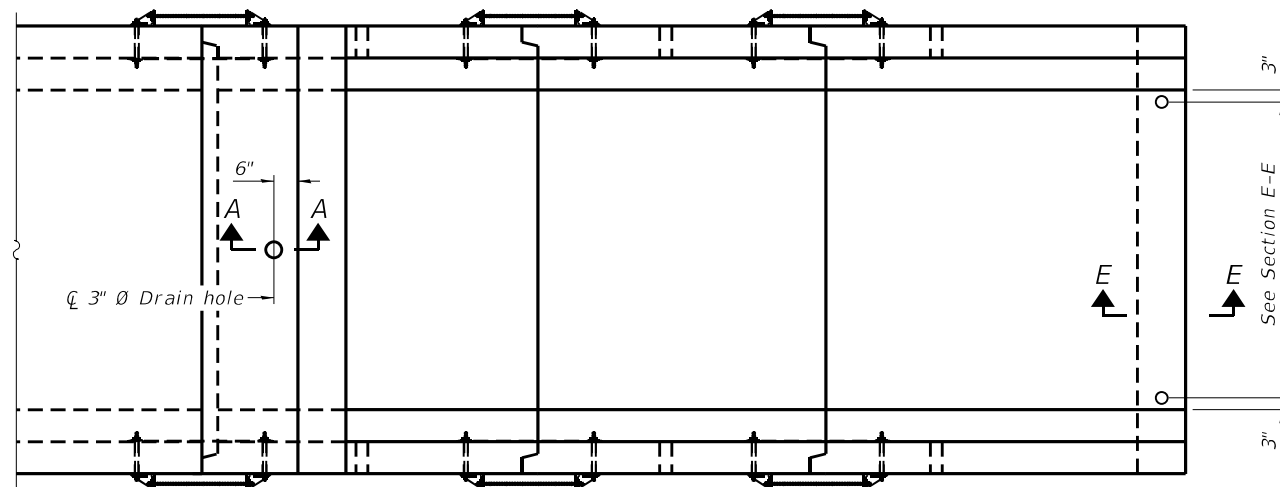
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

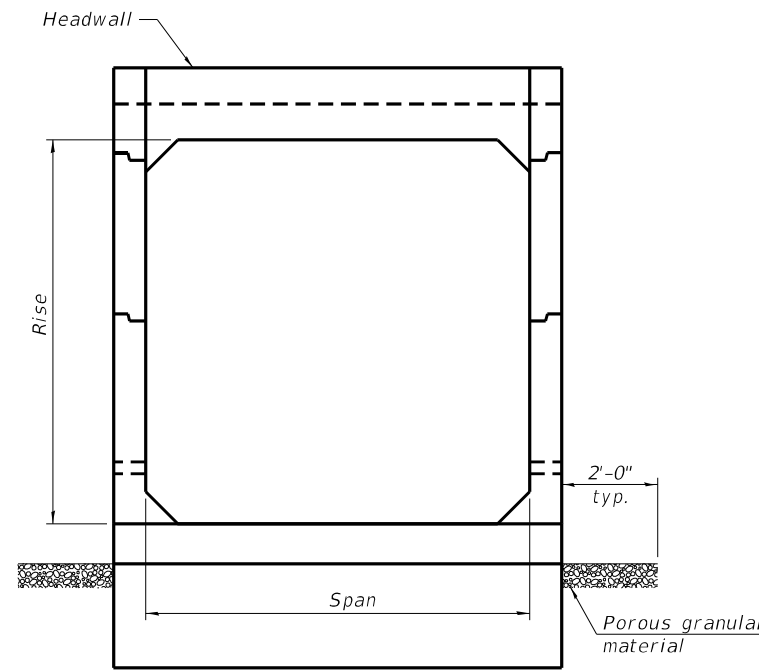
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



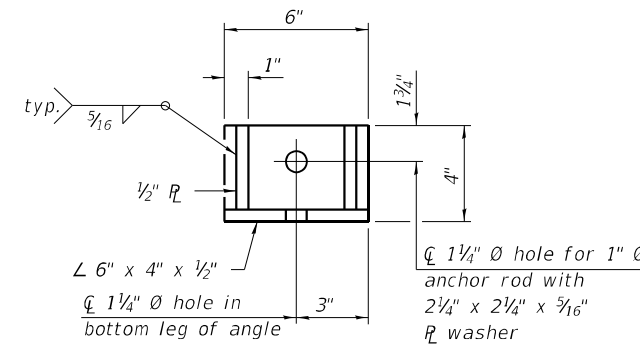
**ELEVATION**



**PLAN**



**END VIEW**



**RESTRAINT ANGLE DETAIL**

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

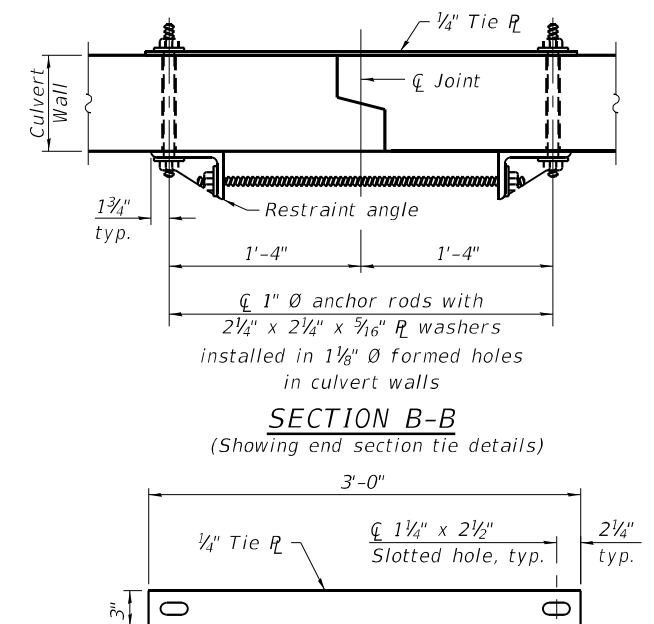
Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

**SECTION A-A**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.) (Sheet 1 of 2)



**TIE PLATE DETAIL**

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-017 - IL 146 Phase I\Bridges\Microstation\0447098-78524-002-Single Cell Culvert Tapered End Sections.dgn

SCB-TES

2-17-2017



|                       |            |           |
|-----------------------|------------|-----------|
| USER NAME =           | DESIGNED - | REVISED - |
| PLOT SCALE =          | CHECKED -  | REVISED - |
| PLOT DATE = 3/13/2023 | DRAWN -    | REVISED - |
|                       | CHECKED -  | REVISED - |

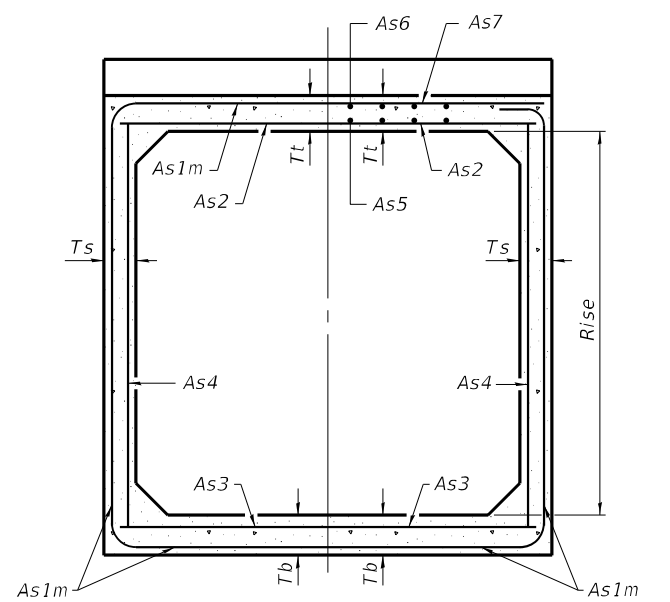
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST TAPERED END SECTION  
STRUCTURE NO. 044-7098

SHEET 2 OF 5 SHEETS

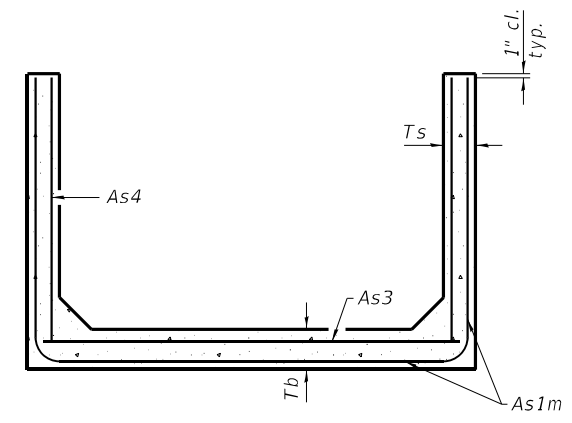
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| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 100       |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-017 - IL 146 Phase II\Bridges\Microstation\0447098-78524-003-Single Cell Precast Box Culvert Tapered End Sections.dgn

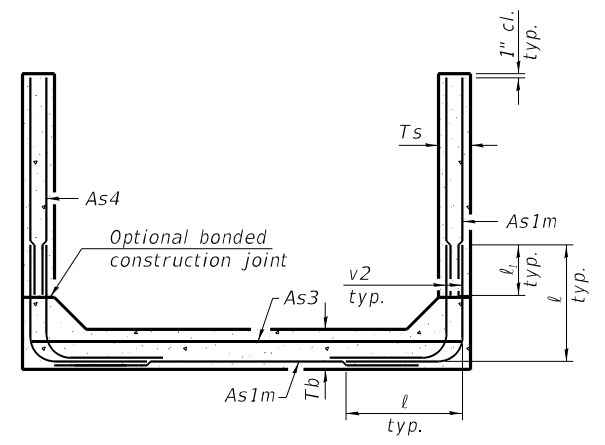


(Design Earth Cover  $\geq$  2 ft) (Design Earth Cover < 2 ft)

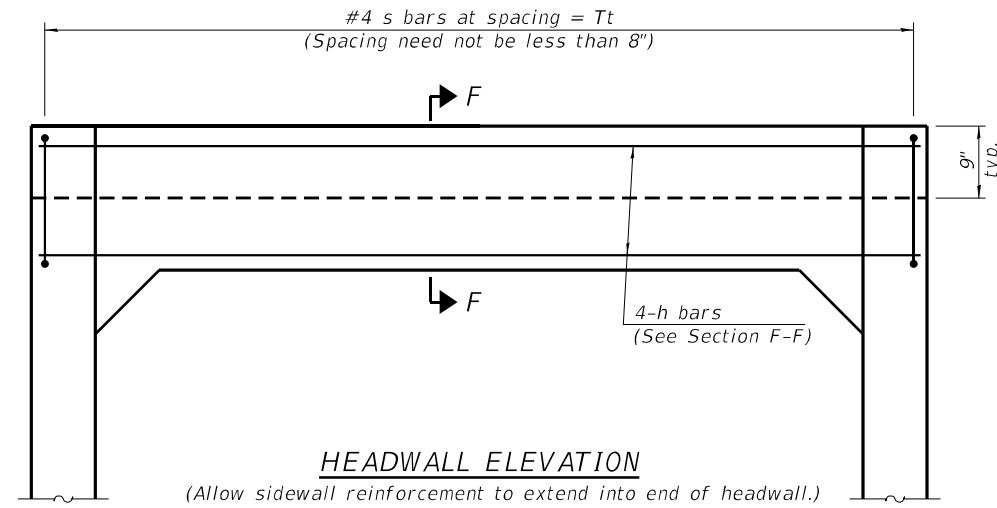
**SECTION C-C**



**SECTION D-D**



**ALTERNATE SECTION D-D**



**HEADWALL ELEVATION**

(Allow sidewall reinforcement to extend into end of headwall.)

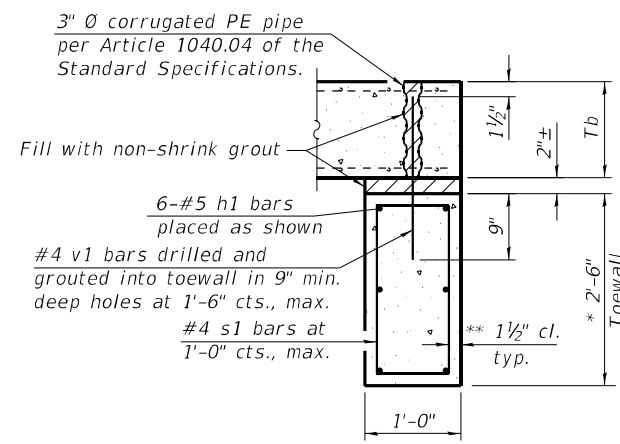
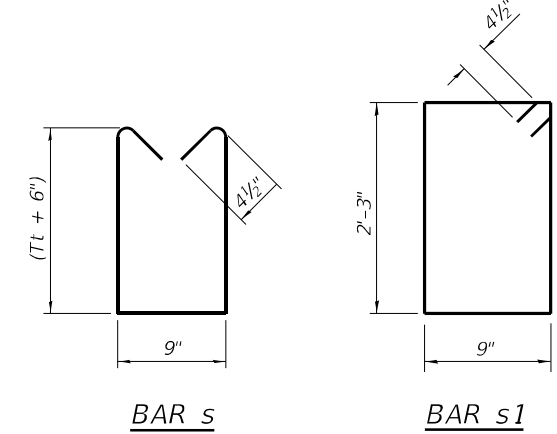
| As1m REINFORCEMENT     |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| (in. <sup>2</sup> /ft) |      |      |      |      |      |      |      |      |      |      |      |
| Rise (ft)              | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| 4                      | 0.19 | 0.17 |      |      |      |      |      |      |      |      |      |
| 5                      | 0.26 | 0.21 | 0.18 |      |      |      |      |      |      |      |      |
| 6                      | 0.22 | 0.26 | 0.23 | 0.22 |      |      |      |      |      |      |      |
| 7                      | 0.25 | 0.33 | 0.59 | 0.27 | 0.28 |      |      |      |      |      |      |
| 8                      | 0.40 | 0.35 | 0.43 | 0.39 | 0.36 | 0.34 | 0.40 |      |      |      |      |
| 9                      | 0.44 | 0.39 | 0.35 | 0.43 | 0.40 | 0.37 | 0.36 | 0.48 |      |      |      |
| 10                     | 0.48 | 0.42 | 0.38 | 0.47 | 0.44 | 0.41 | 0.38 | 0.42 | 0.56 |      |      |
| 11                     | 0.52 | 0.45 | 0.54 | 0.50 | 0.46 | 0.44 | 0.41 | 0.46 | 0.50 | 0.65 |      |
| 12                     | 0.55 | 0.49 | 0.58 | 0.54 | 0.50 | 0.48 | 0.45 | 0.46 | 0.46 | 0.61 | 0.75 |

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

**l<sub>1</sub> DIMENSION**

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

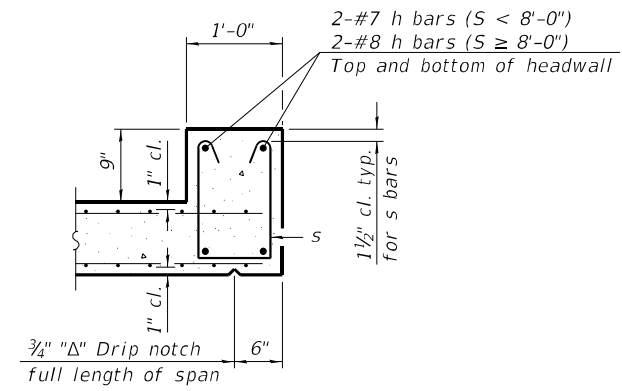
**Notes:**  
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.  
 The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.  
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.



**SECTION E-E**

**TOEWALL CONSTRUCTION SEQUENCE**

1. Perform excavation and construct toewall.
  2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
  3. Set precast box culvert end section.
  4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
  5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.
- \* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.
- \*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

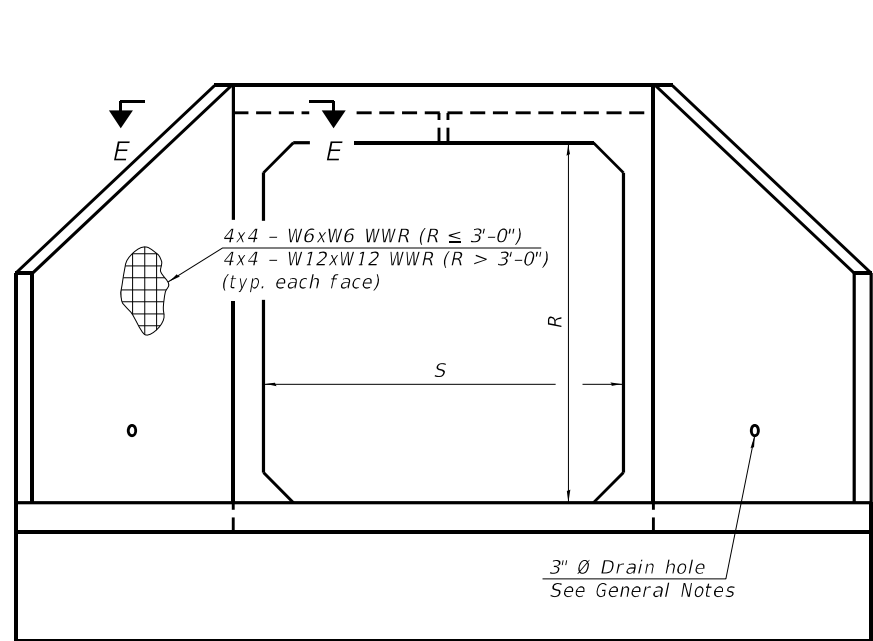


**SECTION F-F**

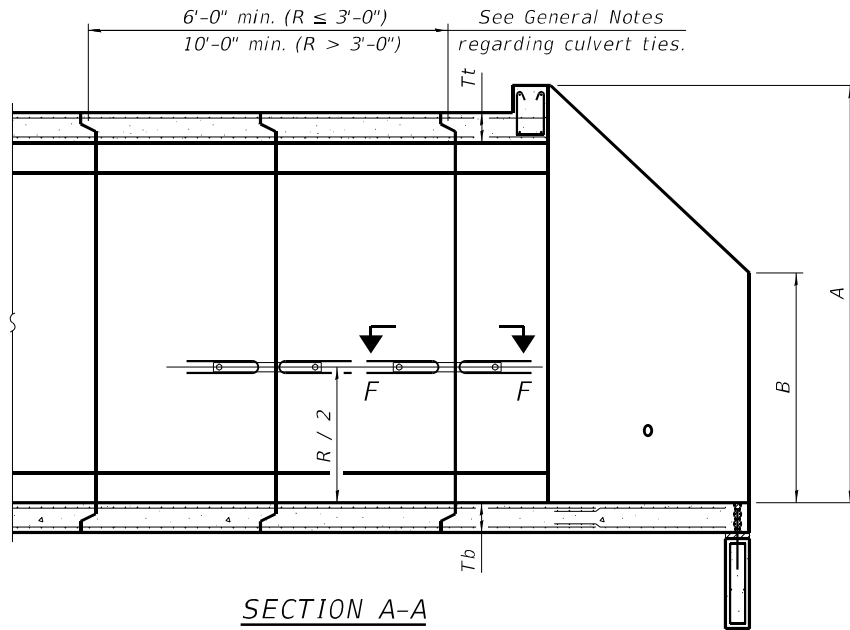
SCB-TES 2-17-2017

(Sheet 2 of 2)

|  |  |   |  |   |   |                 |                        |                |                  |               |
|--|--|---|--|---|---|-----------------|------------------------|----------------|------------------|---------------|
| <p>OATES ASSOCIATES<br/>www.oatesassociates.com<br/>ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115</p> | USER NAME =<br>PLOT SCALE =<br>PLOT DATE = 3/13/2023 | DESIGNED -<br>CHECKED -<br>DRAWN -<br>CHECKED - | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PRECAST TAPERED END SECTION<br/>STRUCTURE NO. 044-7098</b> | F.A.P. RTE. 885 | SECTION 110(W-2, RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 101 |
|  | SHEET 3 OF 5 SHEETS                                  |   |  |   |   |                 | CONTRACT NO. 78524     |                |                  |               |



END VIEW



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included in the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

APRON END SECTION DIMENSIONS

| Span (S) | Rise (R) | Tt   | Tb  | Ts  | A         | B         | C          | D      | E           | Concrete Cu. Yd. | Culvert Ties Required |
|----------|----------|------|-----|-----|-----------|-----------|------------|--------|-------------|------------------|-----------------------|
| 3'-0"    | 2'-0"    | 7"   | 6"  | 4"  | 3'-4"     | 2'-2"     | 2'-10 5/8" | 4'-1"  | 10'-4 5/8"  | 2.8              | Yes                   |
| 3'-0"    | 2'-0"    | 4"   | 4"  | 4"  | 3'-1"     | 2'-1"     | 2'-7 1/8"  | 3'-9"  | 9'-11"      | 2.3              | Yes                   |
| 3'-0"    | 3'-0"    | 7"   | 6"  | 4"  | 4'-4"     | 2'-8"     | 3'-10 3/8" | 5'-6"  | 12'-4 3/8"  | 3.7              | Yes                   |
| 3'-0"    | 3'-0"    | 4"   | 4"  | 4"  | 4'-1"     | 2'-7"     | 3'-7 7/8"  | 5'-2"  | 11'-11"     | 3.1              | Yes                   |
| 4'-0"    | 2'-0"    | 7.5" | 6"  | 5"  | 3'-4 1/2" | 2'-2 1/2" | 2'-11 3/8" | 4'-2"  | 11'-8"      | 3.3              | Yes                   |
| 4'-0"    | 2'-0"    | 5"   | 5"  | 5"  | 3'-2"     | 2'-1"     | 2'-8 1/2"  | 3'-10" | 11'-2 3/8"  | 2.8              | Yes                   |
| 4'-0"    | 3'-0"    | 7.5" | 6"  | 5"  | 4'-4 1/2" | 2'-8 1/2" | 3'-11 3/8" | 5'-7"  | 13'-8 1/8"  | 4.2              | Yes                   |
| 4'-0"    | 3'-0"    | 5"   | 5"  | 5"  | 4'-2"     | 2'-7"     | 3'-8 1/2"  | 5'-3"  | 13'-2 3/8"  | 3.7              | Yes                   |
| 4'-0"    | 4'-0"    | 7.5" | 6"  | 5"  | 5'-4 1/2" | 3'-2 1/2" | 4'-11 3/8" | 7'-0"  | 15'-8 1/8"  | 5.3              | Yes                   |
| 4'-0"    | 4'-0"    | 5"   | 5"  | 5"  | 5'-2"     | 3'-1"     | 4'-8 3/8"  | 6'-8"  | 15'-2 1/2"  | 4.7              | Yes                   |
| 5'-0"    | 2'-0"    | 8"   | 7"  | 6"  | 3'-5"     | 2'-3"     | 2'-11 3/8" | 4'-2"  | 12'-10"     | 3.9              | Yes                   |
| 5'-0"    | 2'-0"    | 6"   | 6"  | 6"  | 3'-3"     | 2'-2"     | 2'-10"     | 4'-0"  | 12'-7 1/4"  | 3.5              | Yes                   |
| 5'-0"    | 3'-0"    | 8"   | 7"  | 6"  | 4'-5"     | 2'-9"     | 3'-11 3/8" | 5'-7"  | 14'-11 1/8" | 4.9              | Yes                   |
| 5'-0"    | 3'-0"    | 6"   | 6"  | 6"  | 4'-3"     | 2'-8"     | 3'-10"     | 5'-5"  | 14'-7 1/4"  | 4.5              | Yes                   |
| 5'-0"    | 4'-0"    | 8"   | 7"  | 6"  | 5'-5"     | 3'-3"     | 4'-11 3/8" | 7'-0"  | 16'-10 1/8" | 6.1              | Yes                   |
| 5'-0"    | 4'-0"    | 6"   | 6"  | 6"  | 5'-3"     | 3'-2"     | 4'-9 1/4"  | 6'-9"  | 16'-5 7/8"  | 5.5              | Yes                   |
| 5'-0"    | 5'-0"    | 8"   | 7"  | 6"  | 6'-5"     | 3'-9"     | 5'-11 3/8" | 8'-5"  | 18'-10 1/8" | 7.4              | Yes                   |
| 5'-0"    | 5'-0"    | 6"   | 6"  | 6"  | 6'-3"     | 3'-8"     | 5'-9 1/4"  | 8'-2"  | 18'-5 7/8"  | 6.8              | Yes                   |
| 6'-0"    | 2'-0"    | 8"   | 7"  | 7"  | 3'-5"     | 2'-3"     | 2'-11 3/8" | 4'-2"  | 14'-0"      | 4.3              | Yes                   |
| 6'-0"    | 2'-0"    | 7"   | 7"  | 7"  | 3'-4"     | 2'-2"     | 2'-10 3/8" | 4'-1"  | 13'-10 3/8" | 4.2              | Yes                   |
| 6'-0"    | 3'-0"    | 8"   | 7"  | 7"  | 4'-5"     | 2'-9"     | 3'-11 3/8" | 5'-7"  | 16'-0 1/8"  | 5.4              | Yes                   |
| 6'-0"    | 3'-0"    | 7"   | 7"  | 7"  | 4'-4"     | 2'-8"     | 3'-10 3/8" | 5'-6"  | 15'-10 3/8" | 5.2              | Yes                   |
| 6'-0"    | 4'-0"    | 8"   | 7"  | 7"  | 5'-5"     | 3'-3"     | 4'-11 3/8" | 7'-0"  | 18'-0 3/8"  | 6.5              | Yes                   |
| 6'-0"    | 4'-0"    | 7"   | 7"  | 7"  | 5'-4"     | 3'-2"     | 4'-10 3/4" | 6'-11" | 17'-10 3/4" | 6.5              | Yes                   |
| 6'-0"    | 5'-0"    | 8"   | 7"  | 7"  | 6'-5"     | 3'-9"     | 5'-11 3/8" | 8'-5"  | 20'-0 1/8"  | 8.0              | Yes                   |
| 6'-0"    | 5'-0"    | 7"   | 7"  | 7"  | 6'-4"     | 3'-8"     | 5'-10 3/4" | 8'-4"  | 19'-10 3/4" | 7.8              | Yes                   |
| 6'-0"    | 6'-0"    | 8"   | 7"  | 7"  | 7'-5"     | 4'-3"     | 6'-11 1/2" | 9'-10" | 22'-0 1/4"  | 9.5              | Yes                   |
| 6'-0"    | 6'-0"    | 7"   | 7"  | 7"  | 7'-4"     | 4'-2"     | 6'-10 3/4" | 9'-9"  | 21'-10 3/4" | 9.3              | Yes                   |
| 7'-0"    | 2'-0"    | 8"   | 8"  | 8"  | 3'-5"     | 2'-3"     | 2'-11 3/8" | 4'-2"  | 15'-2"      | 4.9              | Yes                   |
| 7'-0"    | 3'-0"    | 8"   | 8"  | 8"  | 4'-5"     | 2'-9"     | 3'-11 3/8" | 5'-7"  | 17'-2 1/8"  | 6.1              | Yes                   |
| 7'-0"    | 4'-0"    | 8"   | 8"  | 8"  | 5'-5"     | 3'-3"     | 4'-11 3/8" | 7'-0"  | 19'-2 1/8"  | 7.4              | Yes                   |
| 7'-0"    | 5'-0"    | 8"   | 8"  | 8"  | 6'-5"     | 3'-9"     | 5'-11 3/8" | 8'-5"  | 21'-2 1/8"  | 8.9              | Yes                   |
| 7'-0"    | 6'-0"    | 8"   | 8"  | 8"  | 7'-5"     | 4'-3"     | 6'-11 1/2" | 9'-10" | 23'-2 1/4"  | 10.6             | Yes                   |
| 8'-0"    | 2'-0"    | 8"   | 8"  | 8"  | 3'-5"     | 2'-3"     | 2'-11 3/8" | 4'-2"  | 16'-2"      | 5.3              | Yes                   |
| 8'-0"    | 3'-0"    | 8"   | 8"  | 8"  | 4'-5"     | 2'-9"     | 3'-11 3/8" | 5'-7"  | 18'-2 1/8"  | 6.5              | Yes                   |
| 8'-0"    | 4'-0"    | 8"   | 8"  | 8"  | 5'-5"     | 3'-3"     | 4'-11 3/8" | 7'-0"  | 20'-2 1/8"  | 7.8              | Yes                   |
| 8'-0"    | 5'-0"    | 8"   | 8"  | 8"  | 6'-5"     | 3'-9"     | 5'-11 3/8" | 8'-5"  | 22'-2 1/8"  | 9.3              | Yes                   |
| 8'-0"    | 6'-0"    | 8"   | 8"  | 8"  | 7'-5"     | 4'-3"     | 6'-11 1/2" | 9'-10" | 24'-2 1/4"  | 11.0             | Yes                   |
| 9'-0"    | 2'-0"    | 9"   | 9"  | 9"  | 3'-6"     | 2'-3"     | 3'-0 3/4"  | 4'-4"  | 17'-6 1/8"  | 6.2              | Yes                   |
| 9'-0"    | 3'-0"    | 9"   | 9"  | 9"  | 4'-6"     | 2'-9"     | 4'-0 3/4"  | 5'-9"  | 19'-6 1/8"  | 7.5              | Yes                   |
| 9'-0"    | 4'-0"    | 9"   | 9"  | 9"  | 5'-6"     | 3'-3"     | 5'-0 3/4"  | 7'-2"  | 21'-6 1/8"  | 9.0              | Yes                   |
| 9'-0"    | 5'-0"    | 9"   | 9"  | 9"  | 6'-6"     | 3'-9"     | 6'-0 3/8"  | 8'-7"  | 23'-7"      | 10.6             | Yes                   |
| 9'-0"    | 6'-0"    | 9"   | 9"  | 9"  | 7'-6"     | 4'-3"     | 7'-0 1/8"  | 9'-11" | 25'-5 5/8"  | 12.4             | Yes                   |
| 10'-0"   | 2'-0"    | 10"  | 10" | 10" | 3'-7"     | 2'-4"     | 3'-1 1/2"  | 4'-5"  | 18'-10 1/4" | 7.1              | No                    |
| 10'-0"   | 3'-0"    | 10"  | 10" | 10" | 4'-7"     | 2'-10"    | 4'-1 1/2"  | 5'-10" | 20'-10 1/4" | 8.6              | No                    |
| 10'-0"   | 4'-0"    | 10"  | 10" | 10" | 5'-7"     | 3'-4"     | 5'-1 1/2"  | 7'-3"  | 22'-10 3/8" | 10.2             | Yes                   |
| 10'-0"   | 5'-0"    | 10"  | 10" | 10" | 6'-7"     | 3'-10"    | 6'-1 1/2"  | 8'-8"  | 24'-10 3/8" | 12.0             | Yes                   |
| 10'-0"   | 6'-0"    | 10"  | 10" | 10" | 7'-7"     | 4'-4"     | 7'-1 1/2"  | 10'-1" | 26'-10 3/8" | 13.9             | Yes                   |
| 11'-0"   | 2'-0"    | 11"  | 11" | 11" | 3'-8"     | 2'-4"     | 3'-2 3/8"  | 4'-7"  | 20'-3 3/8"  | 8.2              | No                    |
| 11'-0"   | 3'-0"    | 11"  | 11" | 11" | 4'-8"     | 2'-10"    | 4'-2 3/8"  | 6'-0"  | 22'-3 3/8"  | 9.8              | No                    |
| 11'-0"   | 4'-0"    | 11"  | 11" | 11" | 5'-8"     | 3'-4"     | 5'-2 3/4"  | 7'-4"  | 24'-1 3/4"  | 11.5             | Yes                   |
| 11'-0"   | 5'-0"    | 11"  | 11" | 11" | 6'-8"     | 3'-10"    | 6'-2 3/4"  | 8'-9"  | 26'-1 3/4"  | 13.3             | Yes                   |
| 11'-0"   | 6'-0"    | 11"  | 11" | 11" | 7'-8"     | 4'-4"     | 7'-2 3/4"  | 10'-2" | 28'-1 3/8"  | 15.5             | Yes                   |
| 12'-0"   | 2'-0"    | 12"  | 12" | 12" | 3'-9"     | 2'-5"     | 3'-3 3/8"  | 4'-8"  | 21'-6 1/2"  | 9.3              | No                    |
| 12'-0"   | 3'-0"    | 12"  | 12" | 12" | 4'-9"     | 2'-11"    | 4'-3 3/8"  | 6'-1"  | 23'-6 1/2"  | 11.1             | No                    |
| 12'-0"   | 4'-0"    | 12"  | 12" | 12" | 5'-9"     | 3'-5"     | 5'-3 3/8"  | 7'-6"  | 25'-6 3/8"  | 13.0             | Yes                   |
| 12'-0"   | 5'-0"    | 12"  | 12" | 12" | 6'-9"     | 3'-11"    | 6'-3 3/8"  | 8'-11" | 27'-6 3/8"  | 14.1             | Yes                   |
| 12'-0"   | 6'-0"    | 12"  | 12" | 12" | 7'-9"     | 4'-5"     | 7'-3 3/8"  | 10'-4" | 29'-6 3/8"  | 17.4             | Yes                   |

Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.

(Sheet 1 of 2)

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-017 - IL 146 Phase I\Bridges\Microstation\0447098-78524-004-Single Cell Culvert Apron End Section Details.dgn

SCB-AES

2-17-2017



|                       |            |           |
|-----------------------|------------|-----------|
| USER NAME =           | DESIGNED - | REVISED - |
| PLOT SCALE =          | CHECKED -  | REVISED - |
| PLOT DATE = 3/13/2023 | DRAWN -    | REVISED - |
|                       | CHECKED -  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

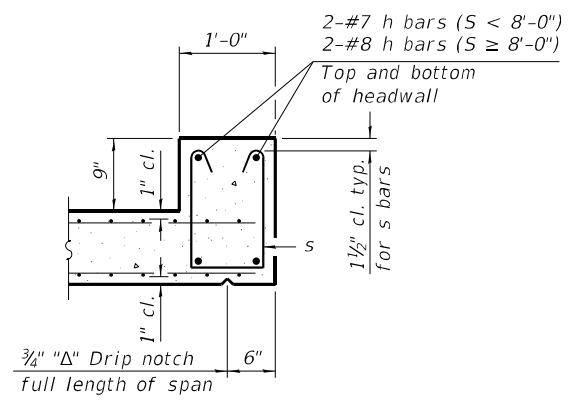
PRECAST APRON END SECTION  
STRUCTURE NO. 044-7098

SHEET 4 OF 5 SHEETS

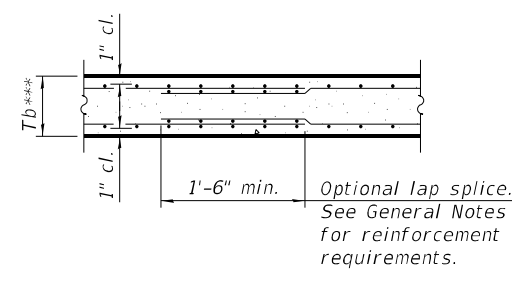
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| F.A.P. RTE. 885          | SECTION 110(W-2, RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 102 |
| CONTRACT NO. 78524       |                        |                |                  |               |
| ILLINOIS FED. AD PROJECT |                        |                |                  |               |



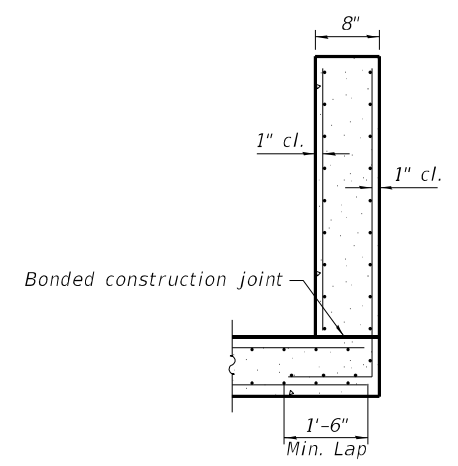
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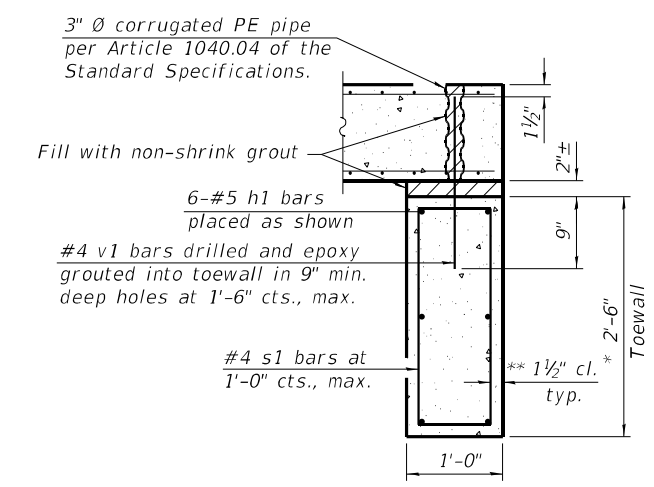
**SECTION B-B**



**SECTION B-B**  
(Bottom Slab)

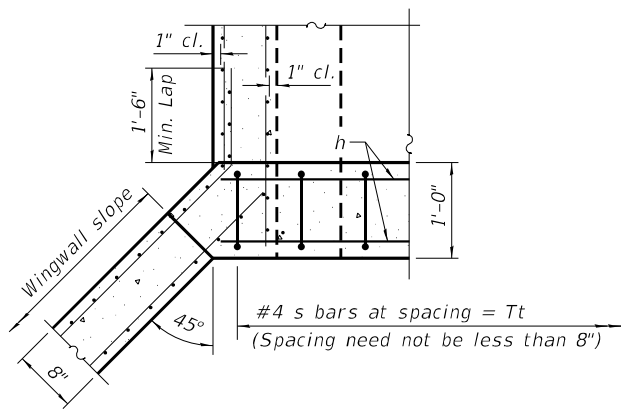


**SECTION C-C**

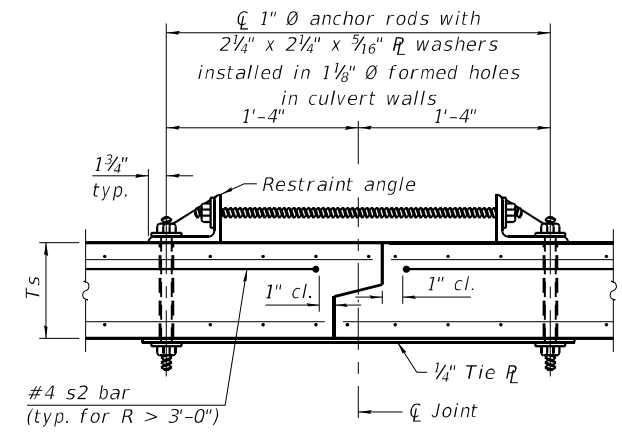


**SECTION D-D**

\*\*\* This dimension shall be increased by 2" for CIP construction.



**SECTION E-E**



**SECTION F-F**  
(Showing culvert tie details)

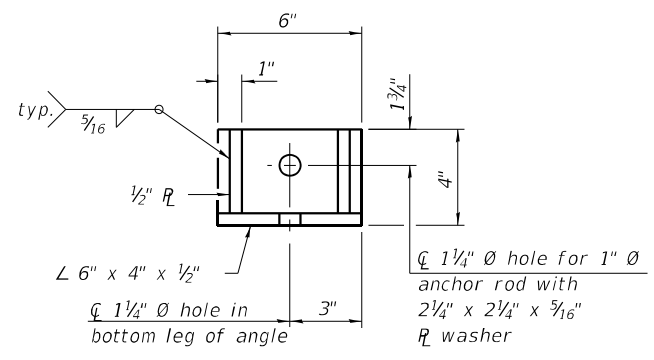
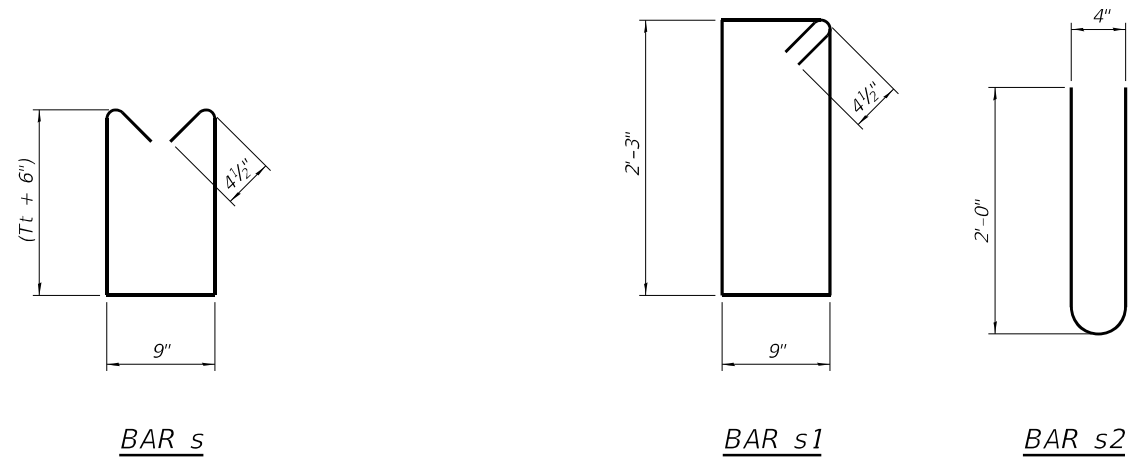
**TOEWALL CONSTRUCTION SEQUENCE**

1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

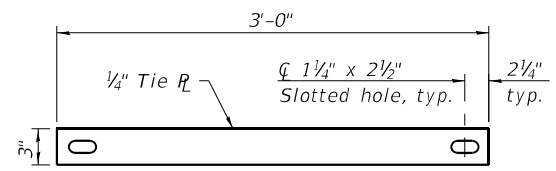
\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

**Notes:**  
1" diameter anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4 x 2 1/4 x 3/16 inch plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.



**RESTRAINT ANGLE DETAIL**



**TIE PLATE DETAIL**

(Sheet 2 of 2)

SCB-AES

2-17-2017



|                       |            |           |
|-----------------------|------------|-----------|
| USER NAME =           | DESIGNED - | REVISED - |
| PLOT SCALE =          | CHECKED -  | REVISED - |
| PLOT DATE = 3/13/2023 | DRAWN -    | REVISED - |
|                       | CHECKED -  | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

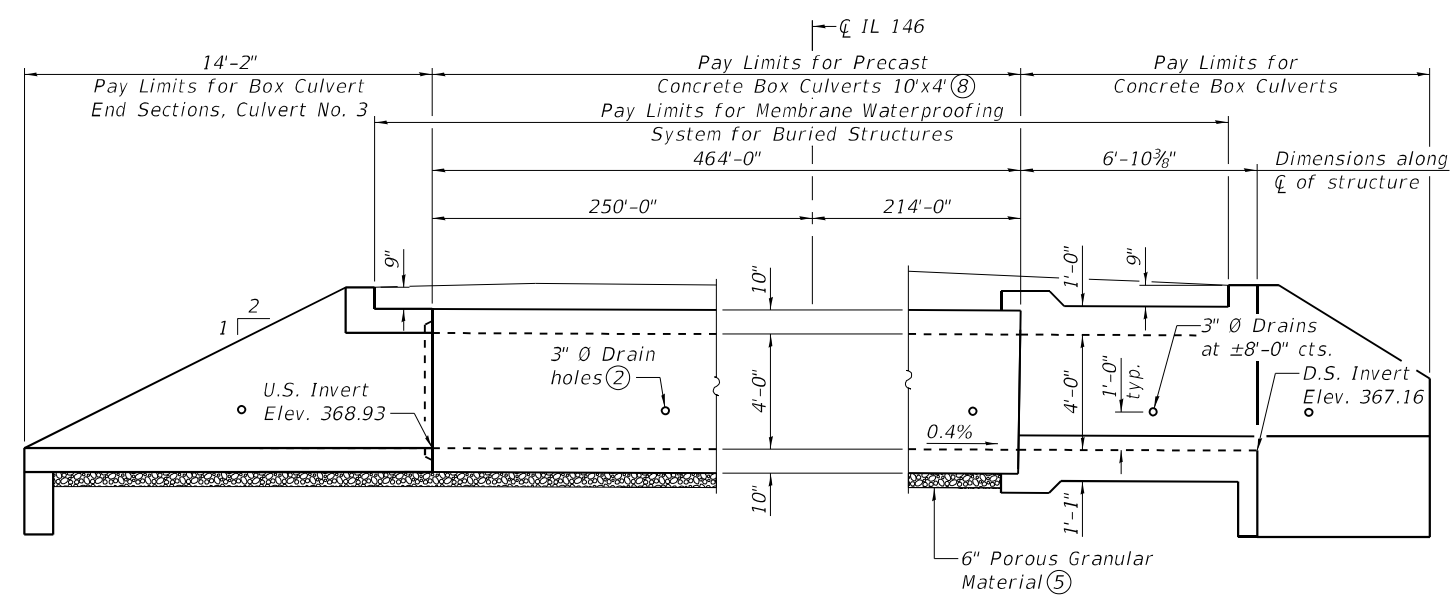
**PRECAST APRON END SECTION**  
**STRUCTURE NO. 044-7098**

SHEET 5 OF 5 SHEETS

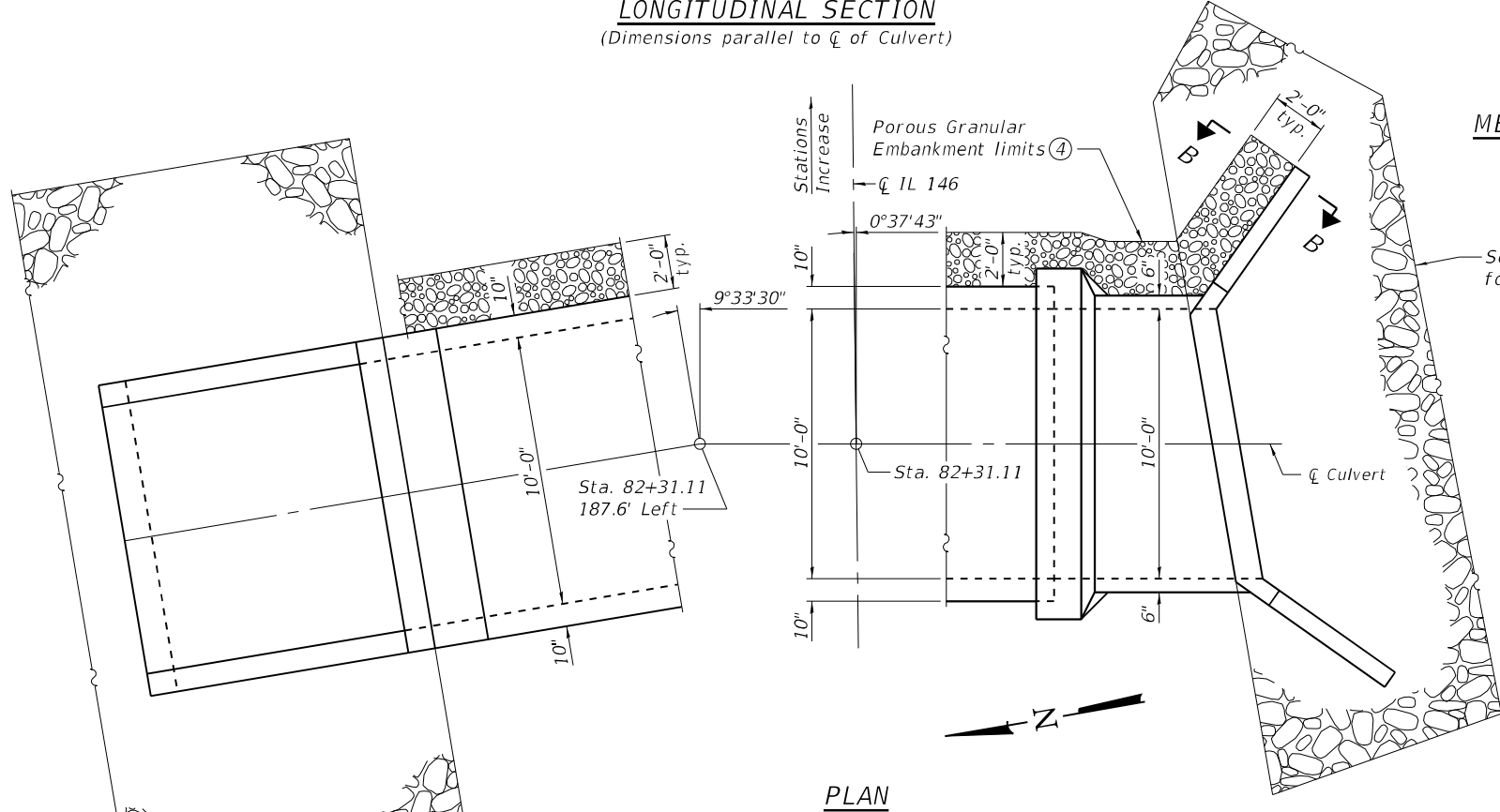
| F.A.P. RTE.        | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|---------|--------------|-----------|
| 885                | 110(W-2, RS-5) | JOHNSON | 159          | 103       |
| CONTRACT NO. 78524 |                |         |              |           |

ILLINOIS FED. AID PROJECT

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088.017 - IL 146 Phase II\Bridges\Microstation\0447099-78524-001-General Plan & Elevation.dgn



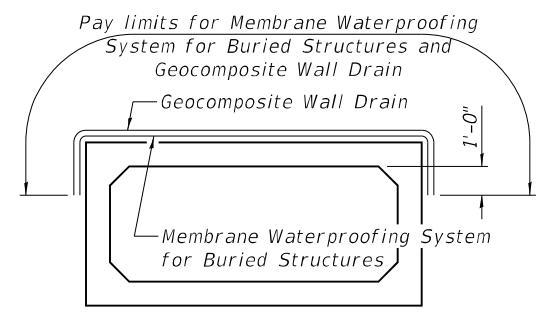
**LONGITUDINAL SECTION**  
(Dimensions parallel to centerline of Culvert)



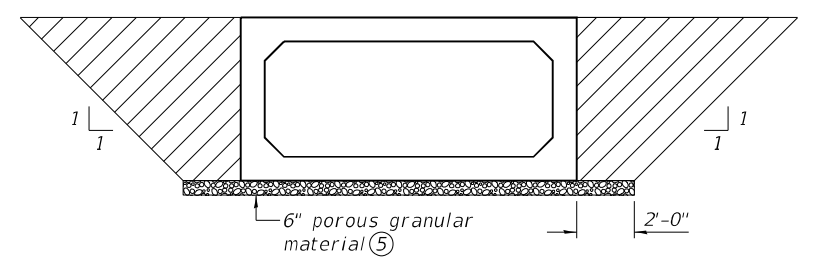
**PLAN**

**Notes:**

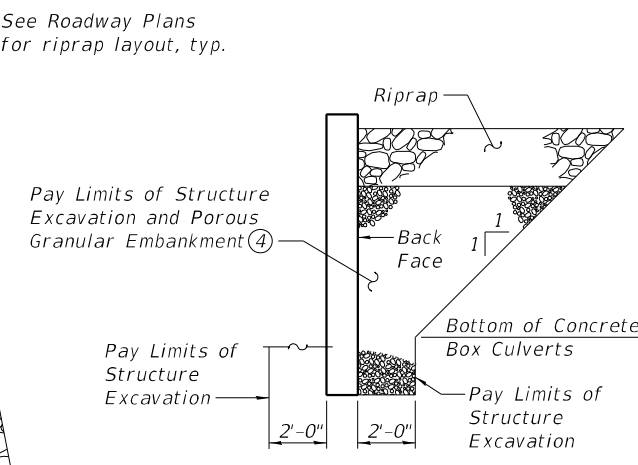
- ① The design fill height for this box is 2ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
- ② Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specifications.
- ③ Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
- ④ Precast Concrete Box Culverts 10'x4' and Concrete Box Culverts shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert.
- ⑤ Cost of porous granular material included in Precast Concrete Box Culverts 10'x4' and Concrete Box Culverts.
- ⑥ All costs associated with furnishing and constructing above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.
- ⑦ Bed rock is not anticipated, but if encountered the work will be paid for as in accordance with Article 109.04 of the Standard Specifications.
- ⑧ See roadway plans for location of storm sewer connections and layout of Precast Concrete Box Culverts 10'x4'.



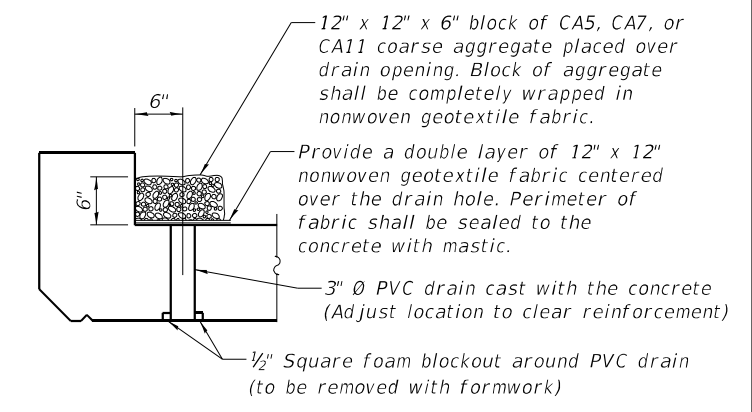
**MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES**  
(Cast-in-place end sections similar)



**PAY LIMITS FOR POROUS GRANULAR EMBANKMENT**  
(Hatched area, Cast-in-place end sections similar)



**SECTION B-B**  
(Horiz. dim. at Rt. L's)



**DRAIN DETAIL**

**DESIGN STRESSES**  
**PRECAST UNITS**

$f'_c = 5,000$  psi  
 $f_y = 65,000$  psi (Welded Wire Reinforcement)

**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**INDEX OF SHEETS**

| Sheet No. | Description  |
|-----------|--|
| 1         | General Plan & Elevation                             |
| 2         | General Details & General Notes                      |
| 3         | End Section Details                                  |
| 4-5       | Single Cell Precast Box Culvert Tapered End Sections |

**LOADING HL-93**

**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications 9th Edition

Kermit B. Christmann  
 DATE: 3/13/2023  
 EXPIRATION: 11/30/2024

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

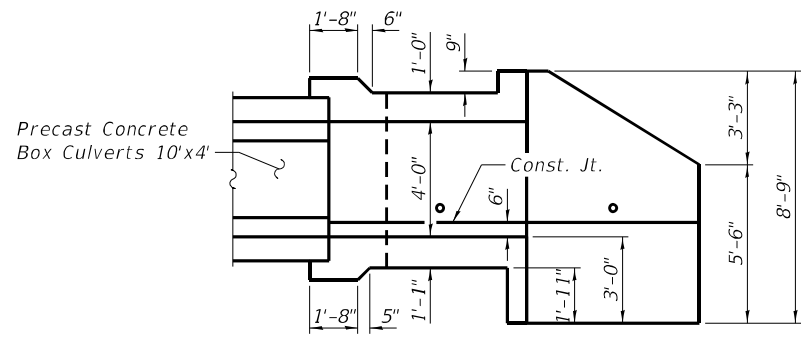
**GENERAL PLAN & ELEVATION**  
**STRUCTURE NO. 044-7099**

SHEET 1 OF 5 SHEETS

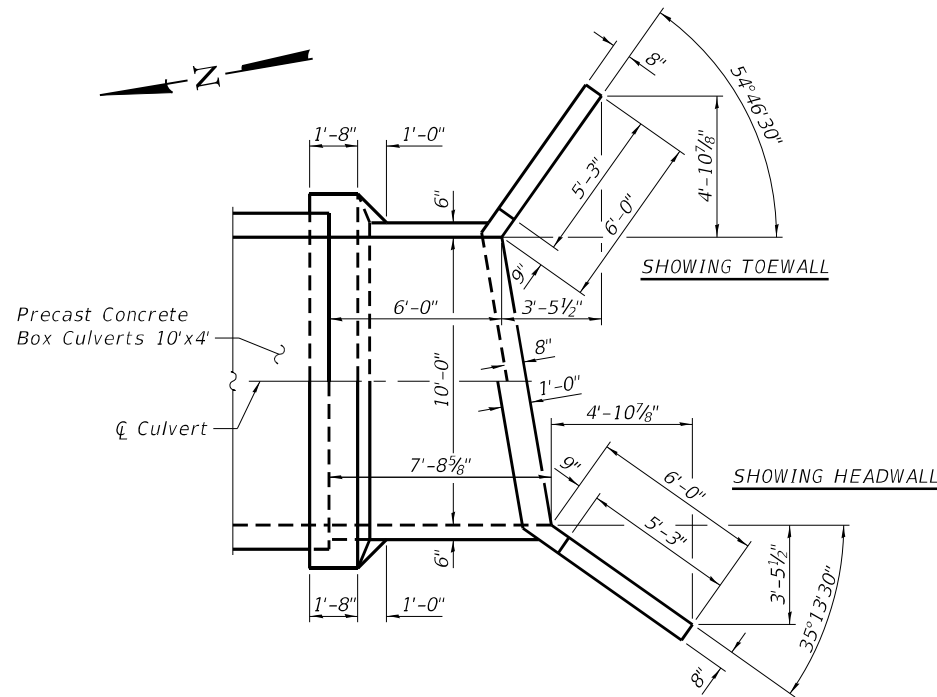
**OATES ASSOCIATES**  
ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

|                       |                |             |
|-----------------------|----------------|-------------|
| USER NAME =           | DESIGNED - KBC | REVISIONS - |
| PLOT SCALE =          | CHECKED - ETH  | REVISIONS - |
| PLOT DATE = 3/13/2023 | DRAWN - KBC    | REVISIONS - |
|                       | CHECKED - ETH  | REVISIONS - |

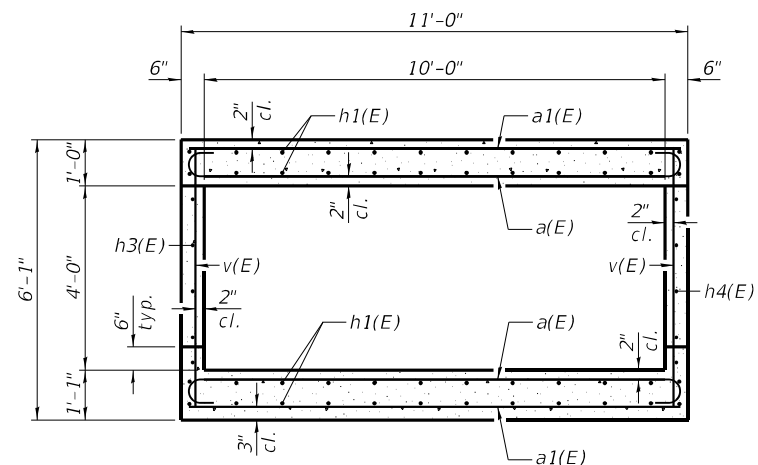
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| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 104       |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |



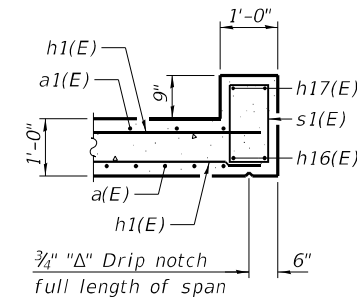
**DOWNSTREAM END LONGITUDINAL SECTION**  
(Dimensions parallel to centerline of Culvert)



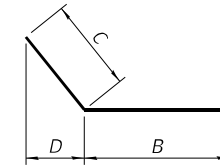
**DOWNSTREAM END PLAN**



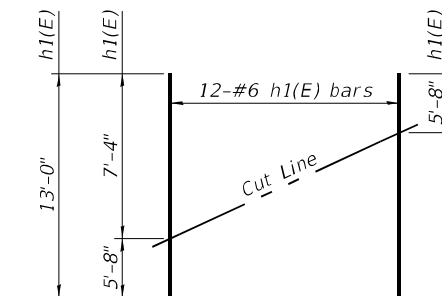
**SECTION THRU DOWNSTREAM END SECTION**  
(Looking downstream)



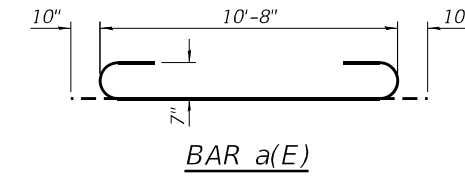
**SECTION THRU HEADWALL**



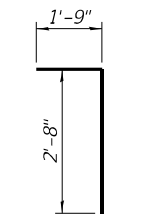
**BARS h5(E), h10(E), h11(E), h12(E), & h13(E)**



**FIELD CUTTING DIAGRAM**  
Order h1(E) full length. Cut as shown and use remainder of bars in opposite face.

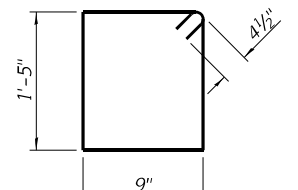


**BAR a(E)**

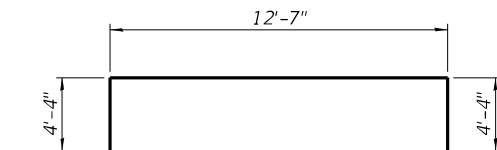


**BAR d(E)**

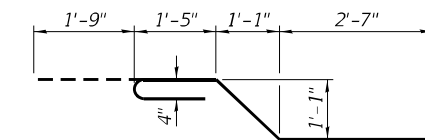
| Bar    | B      | C     | D         |
|--------|--------|-------|-----------|
| h5(E)  | 5'-9"  | 3'-0" | 2'-1 1/2" |
| h10(E) | 5'-0"  | 3'-0" | 1'-8 3/4" |
| h11(E) | 5'-11" | 3'-0" | 1'-8 3/4" |
| h12(E) | 5'-0"  | 3'-0" | 2'-5 3/8" |
| h13(E) | 6'-1"  | 3'-0" | 2'-5 3/8" |



**BAR s1(E)**



**BAR x1(E)**



**BAR x(E)**

**TOTAL BILL OF MATERIAL**

| ITEM  | UNIT    | TOTAL |
|---|---------|-------|
| Porous Granular Embankment                          | Cu. Yd. | 973   |
| Removal of Existing Structures No. 2                | Each    | 1     |
| Structure Excavation                                | Cu. Yd. | 2,866 |
| Reinforcement Bars, Epoxy Coated                    | Pound   | 2,110 |
| Box Culvert End Sections, Culvert No. 3             | Each    | 1     |
| Concrete Box Culverts                               | Cu. Yd. | 11.6  |
| Precast Concrete Box Culverts 10' X 4'              | Foot    | 464   |
| Geocomposite Wall Drain                             | Sq. Yd. | 831   |
| Membrane Waterproofing System for Buried Structures | Sq. Yd. | 831   |

**GENERAL NOTES**

Reinforcement bars designated (E) shall be epoxy coated.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

- Notes:  
 ① A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088.017 - IL 146 Phase II\Bridge\Microstation\0447099-78524-002-General Details & General Notes.dgn



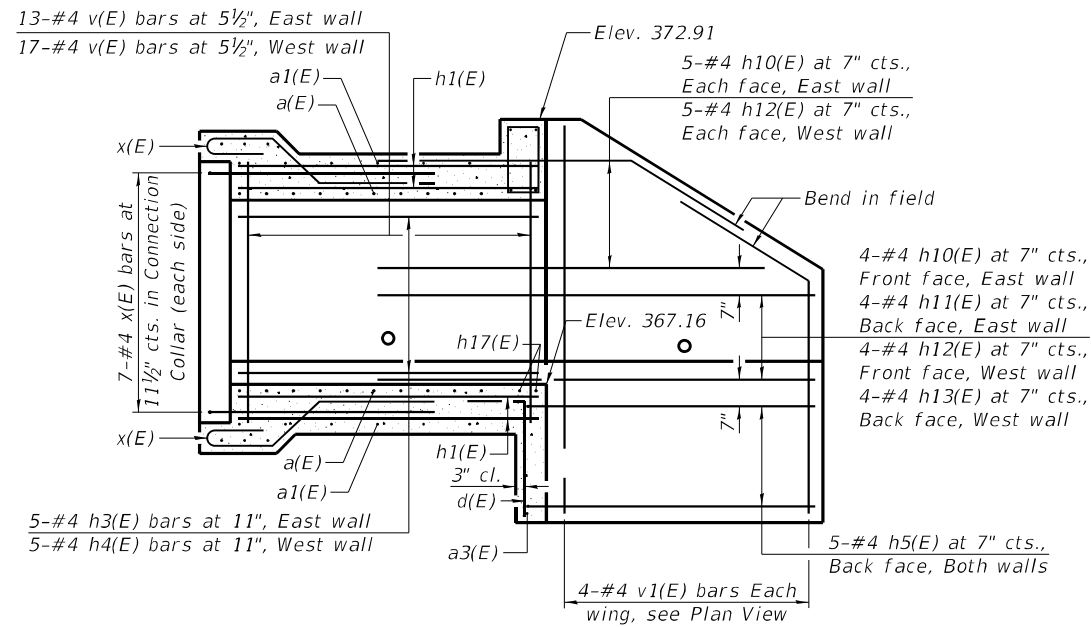
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|-----------------------|----------------|-----------|
| USER NAME =           | DESIGNED - KBC | REVISED - |
| PLOT SCALE =          | CHECKED - ETH  | REVISED - |
| PLOT DATE = 3/13/2023 | DRAWN - KBC    | REVISED - |
|                       | CHECKED - ETH  | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

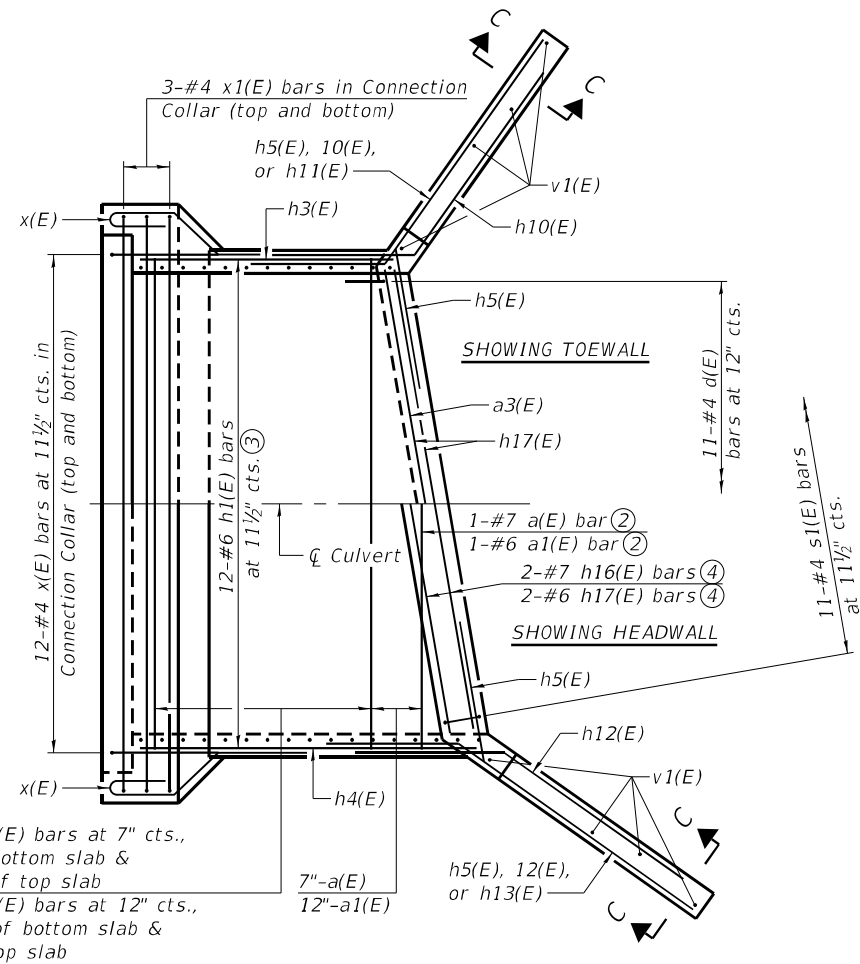
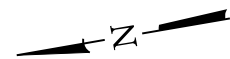
**GENERAL DETAILS & GENERAL NOTES  
STRUCTURE NO. 044-7099**

SHEET 2 OF 5 SHEETS

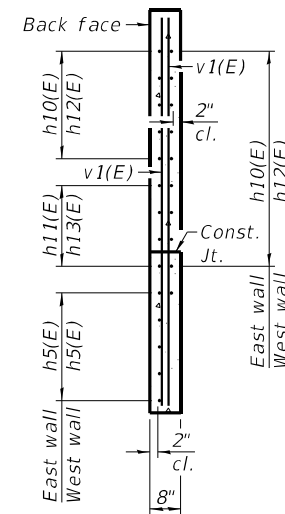
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| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 105       |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |



**DOWNSTREAM END LONGITUDINAL SECTION**



**DOWNSTREAM END PLAN**



**SECTION C-C**  
(Horiz. dim. at Rt. L's)

**BILL OF MATERIAL**

| Bar                              | No. | Size | Length  | Shape |
|----------------------------------|-----|------|---------|-------|
| a(E)                             | 21  | #7   | 12'-4"  |       |
| a1(E)                            | 13  | #6   | 10'-8"  |       |
| a3(E)                            | 1   | #4   | 10'-9"  |       |
| d(E)                             | 11  | #4   | 4'-5"   |       |
| h1(E)                            | 24  | #6   | 13'-0"  |       |
| h3(E)                            | 5   | #4   | 5'-8"   |       |
| h4(E)                            | 5   | #4   | 7'-5"   |       |
| h5(E)                            | 10  | #4   | 8'-9"   |       |
| h10(E)                           | 14  | #4   | 8'-0"   |       |
| h11(E)                           | 4   | #4   | 8'-11"  |       |
| h12(E)                           | 14  | #4   | 8'-0"   |       |
| h13(E)                           | 4   | #4   | 9'-1"   |       |
| h16(E)                           | 2   | #7   | 9'-10"  |       |
| h17(E)                           | 4   | #6   | 9'-10"  |       |
| s1(E)                            | 11  | #4   | 5'-1"   |       |
| v(E)                             | 30  | #4   | 5'-8"   |       |
| v1(E)                            | 8   | #4   | 8'-4"   |       |
| x(E)                             | 38  | #4   | 7'-3"   |       |
| x1(E)                            | 6   | #4   | 21'-3"  |       |
| Reinforcement Bars, Epoxy Coated |     |      | Pound   | 2,110 |
| Concrete Box Culverts            |     |      | Cu. Yd. | 11.6  |

**Notes:**

- ① A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
- ② Order a(E) and a1(E) bars in skew portion of slab full length and cut in half in bottom slab. Balance of bars to be used in top slab directly overhead.
- ③ Bottom of each slab. Balance of bars to be used in top of each slab. See sheet 2 of 5 for Field Cutting Diagram.
- ④ See Section Thru Headwall on sheet 2 of 5.

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088.017 - IL 146 Phase I\Bridges\Microstation\0447099-78524-003-End Section Details.dgn



|                       |                |           |
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| PLOT DATE = 3/13/2023 | DRAWN - KBC    | REVISED - |
|                       | CHECKED - ETH  | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**END SECTION DETAILS  
STRUCTURE NO. 044-7099**

SHEET 3 OF 5 SHEETS

|                           |                |         |              |           |
|---------------------------|----------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 106       |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See General Plan & Elevation for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

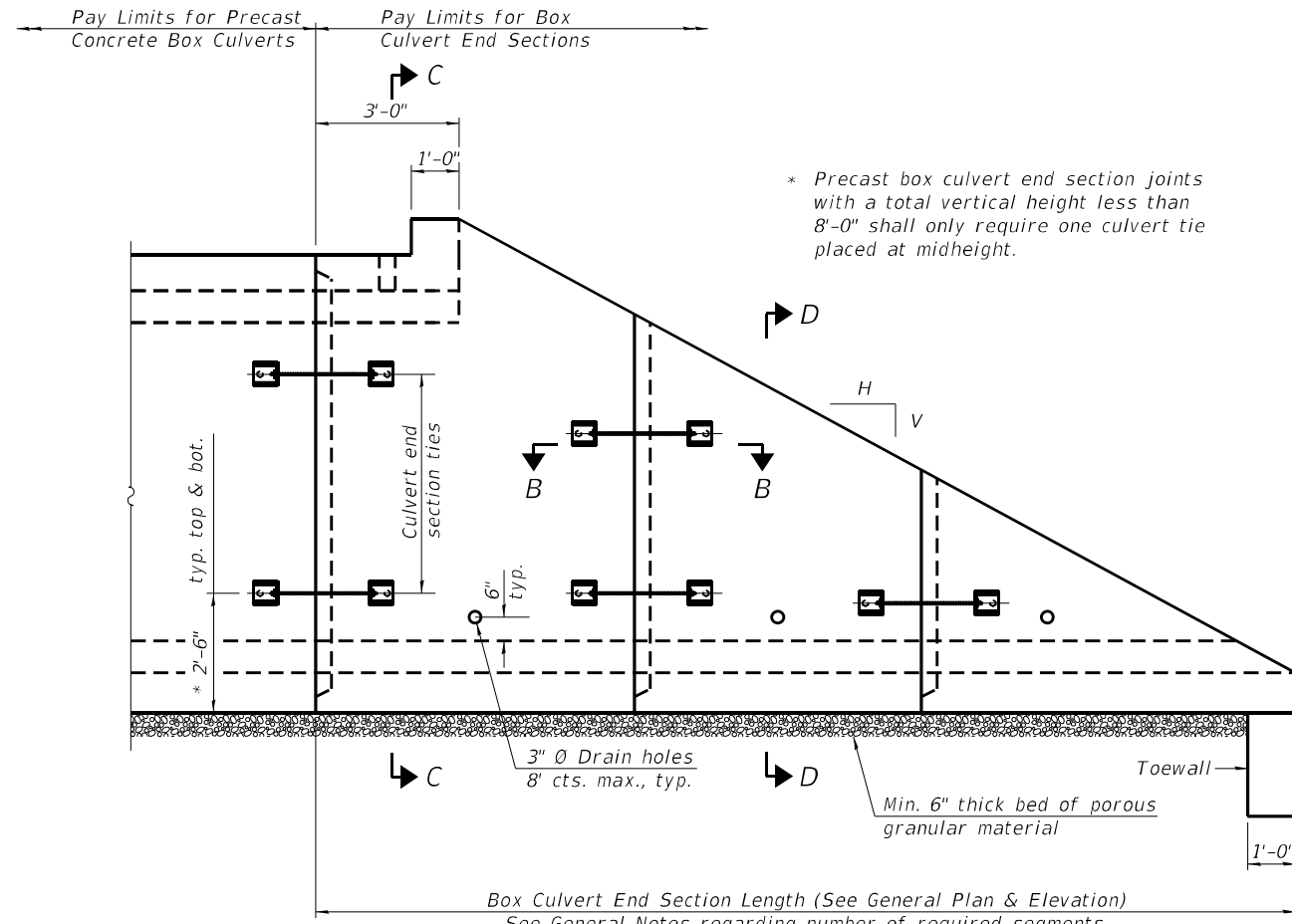
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

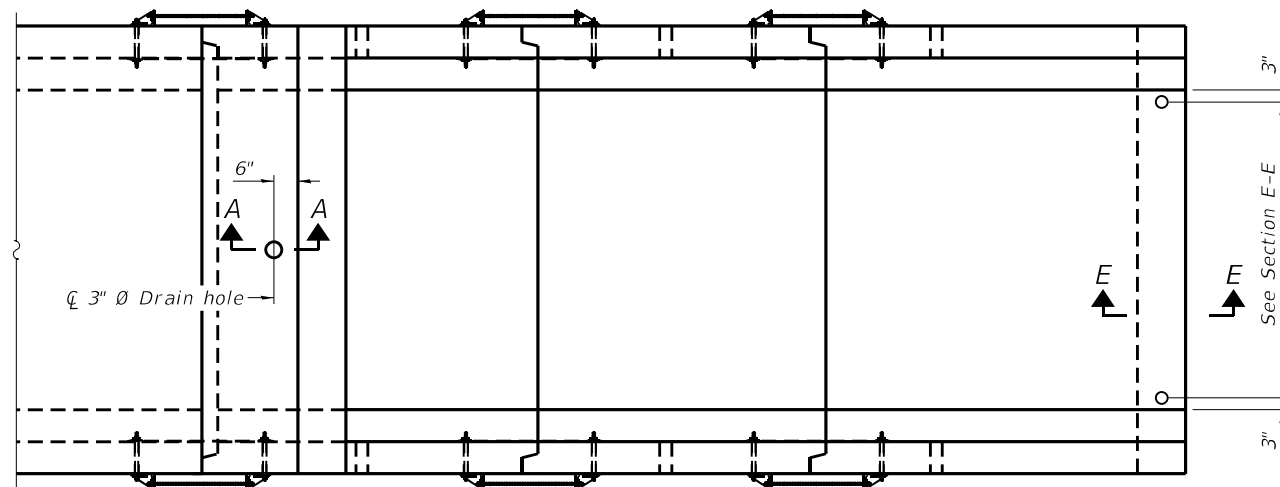
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

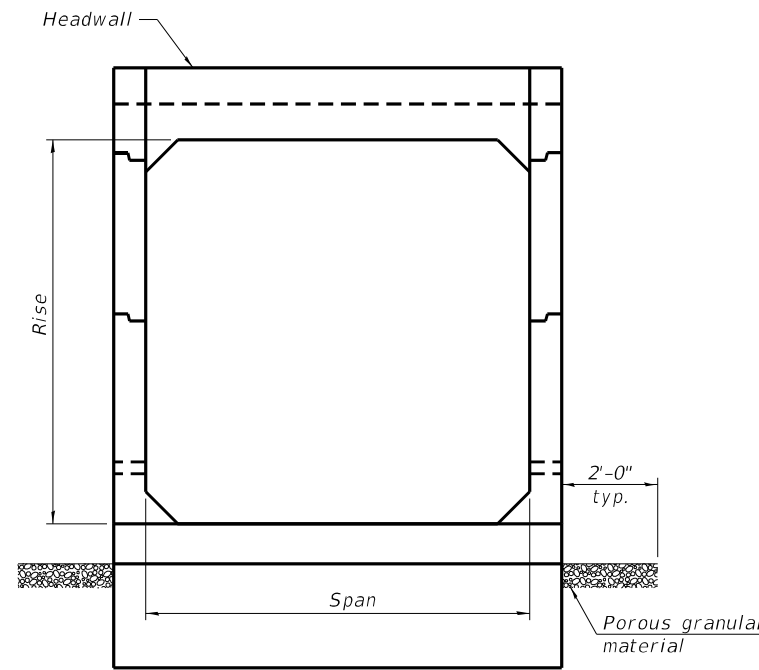
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



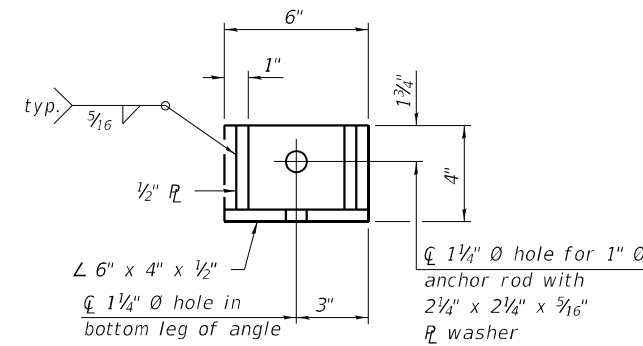
**ELEVATION**



**PLAN**



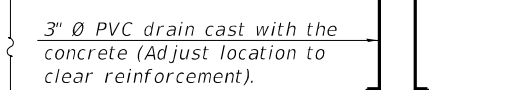
**END VIEW**



**RESTRAINT ANGLE DETAIL**

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

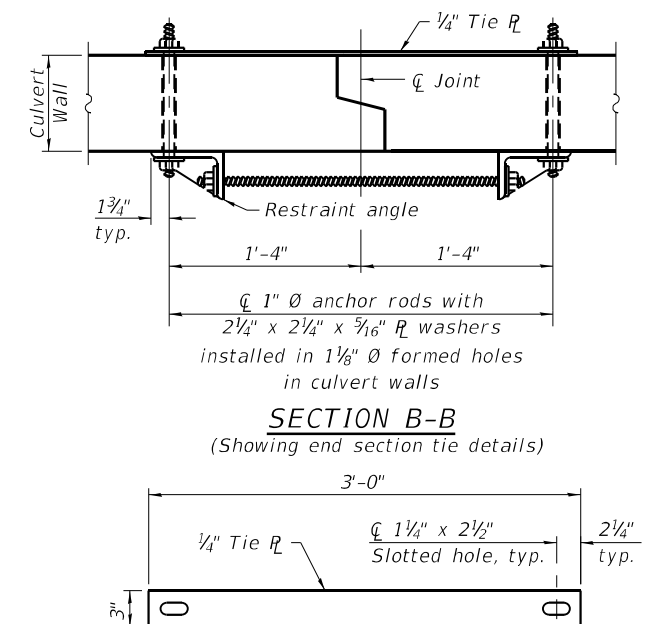
Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.



1/2" Square foam blockout around PVC drain (to be removed with formwork)

**SECTION A-A**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.) (Sheet 1 of 2)



**TIE PLATE DETAIL**

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-017 - IL 146 Phase II\Bridges\Microstation\0447099-78524-004-Single Cell Culvert Tapered End Sections.dgn

SCB-TES

2-17-2017



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| PLOT SCALE =          | CHECKED -  | REVISED - |
| PLOT DATE = 3/13/2023 | DRAWN -    | REVISED - |
|                       | CHECKED -  | REVISED - |

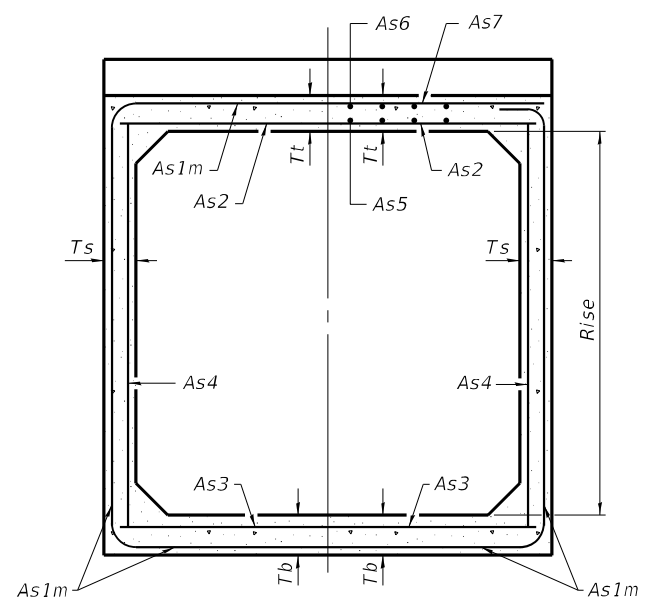
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRECAST TAPERED END SECTION  
STRUCTURE NO. 044-7099**

SHEET 4 OF 5 SHEETS

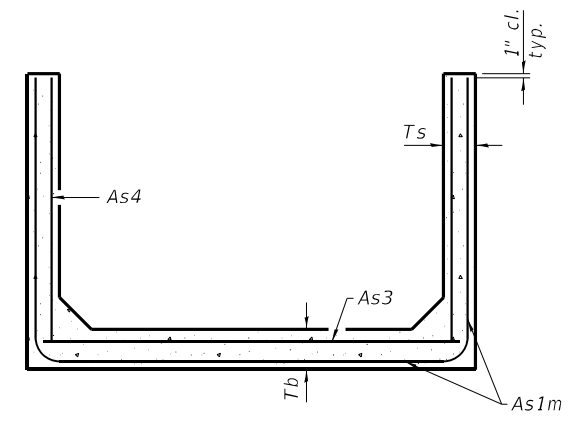
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| F.A.P. RTE. 885           | SECTION 110(W-2, RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 107 |
| CONTRACT NO. 78524        |                        |                |                  |               |
| ILLINOIS FED. AID PROJECT |                        |                |                  |               |

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088-017 - IL 146 Phase II\Bridges\Microstation\0447099-78524-005-Single Cell Precast Box Culvert Tapered End Sections.dgn

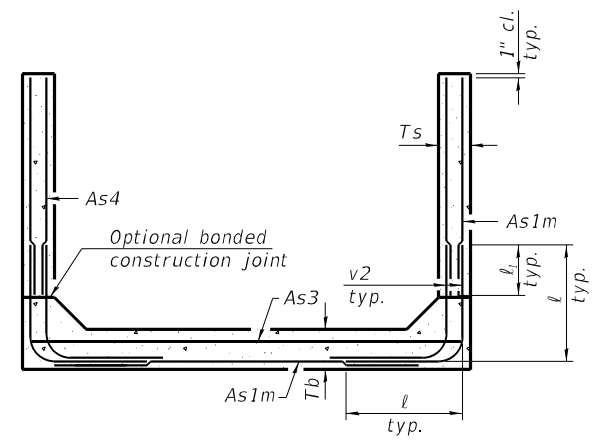


(Design Earth Cover  $\geq$  2 ft) (Design Earth Cover < 2 ft)

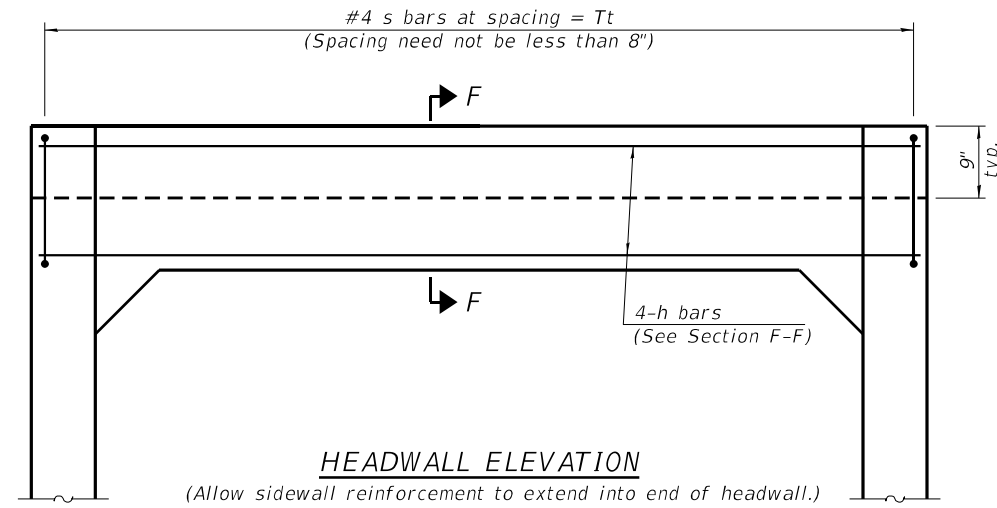
**SECTION C-C**



**SECTION D-D**



**ALTERNATE SECTION D-D**



**HEADWALL ELEVATION**

(Allow sidewall reinforcement to extend into end of headwall.)

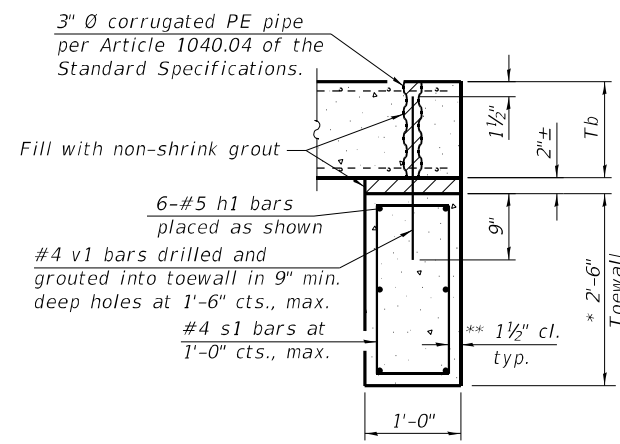
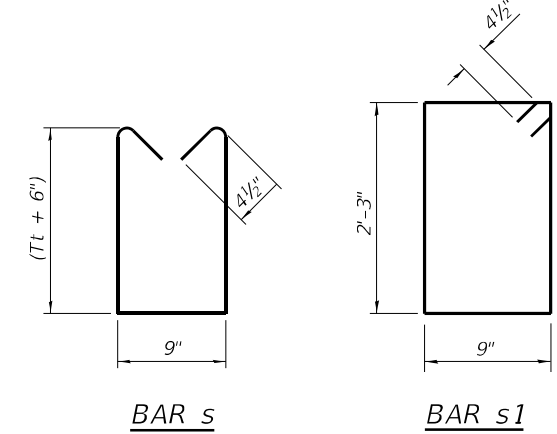
|          |           | <b>As1m REINFORCEMENT</b> |      |      |      |      |      |      |      |      |      |    |
|----------|-----------|---------------------------|------|------|------|------|------|------|------|------|------|----|
|          |           | (in. <sup>2</sup> /ft)    |      |      |      |      |      |      |      |      |      |    |
| Ts (in.) | Rise (ft) | 2                         | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12 |
| 4        | 0.19      | 0.17                      |      |      |      |      |      |      |      |      |      |    |
| 5        | 0.26      | 0.21                      | 0.18 |      |      |      |      |      |      |      |      |    |
| 6        | 0.22      | 0.26                      | 0.23 | 0.22 |      |      |      |      |      |      |      |    |
| 7        | 0.25      | 0.33                      | 0.59 | 0.27 | 0.28 |      |      |      |      |      |      |    |
| 8        | 0.40      | 0.35                      | 0.43 | 0.39 | 0.36 | 0.34 | 0.40 |      |      |      |      |    |
| 9        | 0.44      | 0.39                      | 0.35 | 0.43 | 0.40 | 0.37 | 0.36 | 0.48 |      |      |      |    |
| 10       | 0.48      | 0.42                      | 0.38 | 0.47 | 0.44 | 0.41 | 0.38 | 0.42 | 0.56 |      |      |    |
| 11       | 0.52      | 0.45                      | 0.54 | 0.50 | 0.46 | 0.44 | 0.41 | 0.46 | 0.50 | 0.65 |      |    |
| 12       | 0.55      | 0.49                      | 0.58 | 0.54 | 0.50 | 0.48 | 0.45 | 0.46 | 0.46 | 0.61 | 0.75 |    |

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

**l<sub>1</sub> DIMENSION**

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

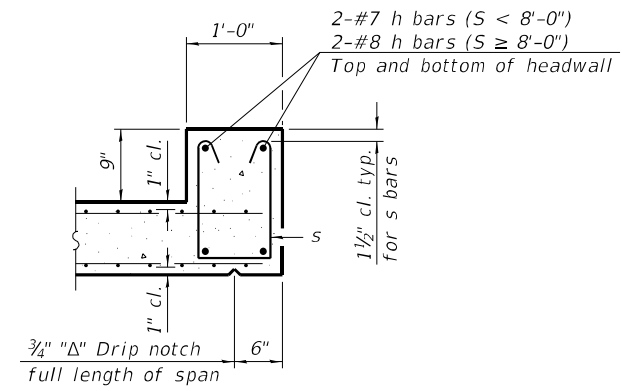
**Notes:**  
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.  
 The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.  
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.



**SECTION E-E**

**TOEWALL CONSTRUCTION SEQUENCE**

1. Perform excavation and construct toewall.
  2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
  3. Set precast box culvert end section.
  4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
  5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.
- \* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.
- \*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



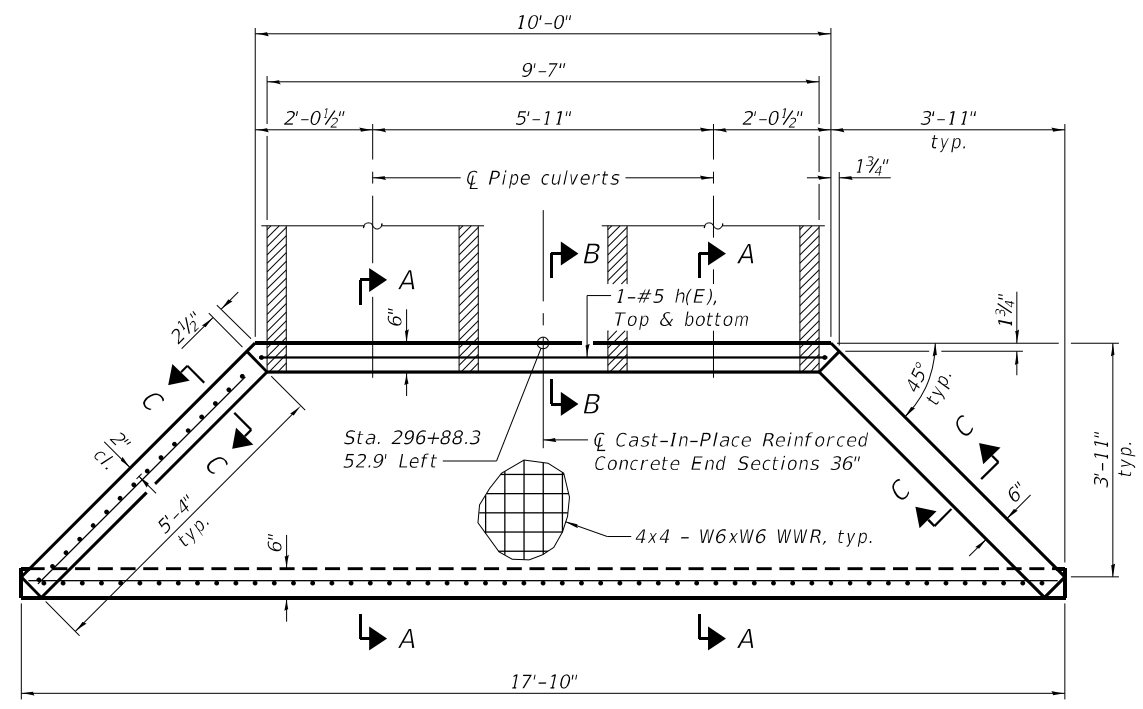
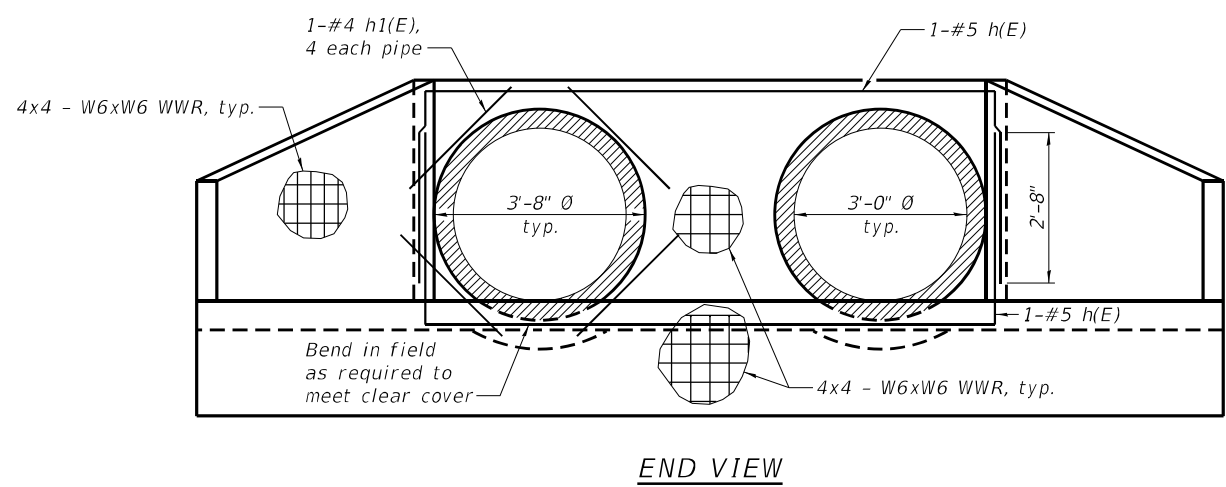
**SECTION F-F**

SCB-TES 2-17-2017

(Sheet 2 of 2)

|  |  |   |  |   |   |                 |                        |                |                           |               |
|--|--|---|--|---|---|-----------------|------------------------|----------------|---------------------------|---------------|
| <p>OATES ASSOCIATES<br/>www.oatesassociates.com<br/>ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115</p> | USER NAME =<br>PLOT SCALE =<br>PLOT DATE = 3/13/2023 | DESIGNED -<br>CHECKED -<br>DRAWN -<br>CHECKED - | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PRECAST TAPERED END SECTION<br/>STRUCTURE NO. 044-7099</b> | F.A.P. RTE. 885 | SECTION 110(W-2, RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159          | SHEET NO. 108 |
|  | SHEET 5 OF 5 SHEETS                                  |   |  |   |   |                 | CONTRACT NO. 78524     |                | ILLINOIS FED. AID PROJECT |               |

FILE NAME: H:\P220088 - IDOT PTB 196 Item 611220088.017 - IL 146 Phase II\Bridges\Microstation\78524-001-Cast-In-Place Reinforced Concrete End Sections 36.dgn



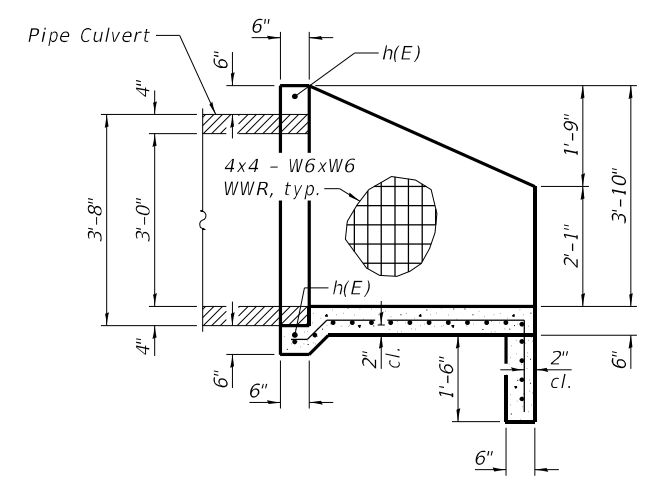
PLAN

**TOTAL BILL OF MATERIAL FOR ONE CAST-IN-PLACE END SECTION**  
(For Information Only)

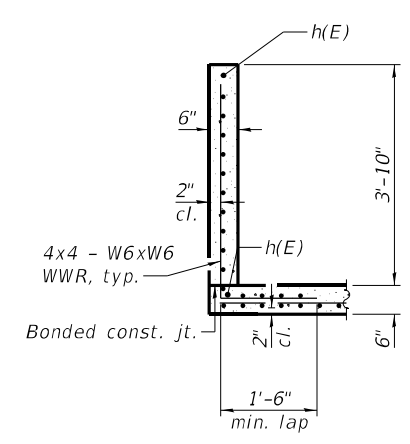
| Bar                                | No. | Size | Length  | Shape |
|------------------------------------|-----|------|---------|-------|
| h(E)                               | 2   | #5   | 16'-8"  | U     |
| h1(E)                              | 8   | #4   | 2'-6"   | —     |
| ① Reinforcement Bars, Epoxy Coated |     |      | Pound   | 50    |
| ① Class SI Concrete                |     |      | Cu. Yd. | 2.5   |
| ① Welded Wire Reinforcement        |     |      | Sq. Yd. | 15    |

**DESIGN STRESSES**  
FIELD UNITS

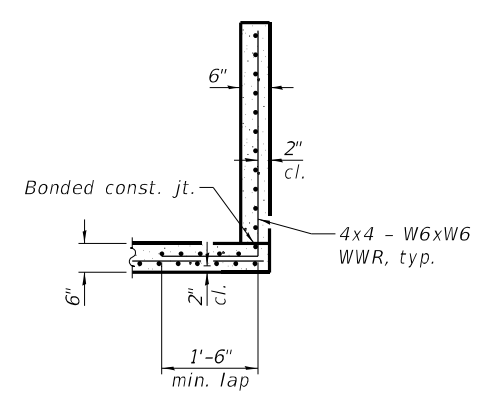
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 65,000$  psi (Welded Wire Reinforcement)



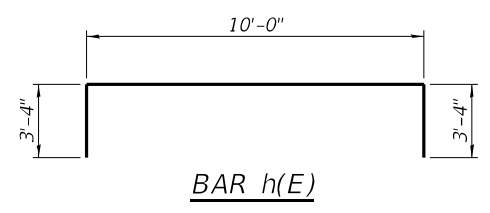
SECTION A-A



SECTION B-B



SECTION C-C



BAR h(E)

Notes:

- Cost included in Cast-In-Place Reinforced Concrete End Sections 36", Special.
- The details contained herein are for constructing the end section using cast-in-place (CIP) construction. The Contractor may propose to furnish the end section using precast construction methods and the end section may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.
- The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.
- When lapping sheets of welded wire reinforcement the overlap measured between the outermost cross wires of each reinforcement sheets shall not be less than 10".

LICENSED STRUCTURAL ENGINEER  
 KERMIT B. CHRISTMANN  
 081 008442  
 STATE OF ILLINOIS

*Kermit B. Christmann*

DATE: 3/13/2023  
 EXPIRATION: 11/30/2024

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

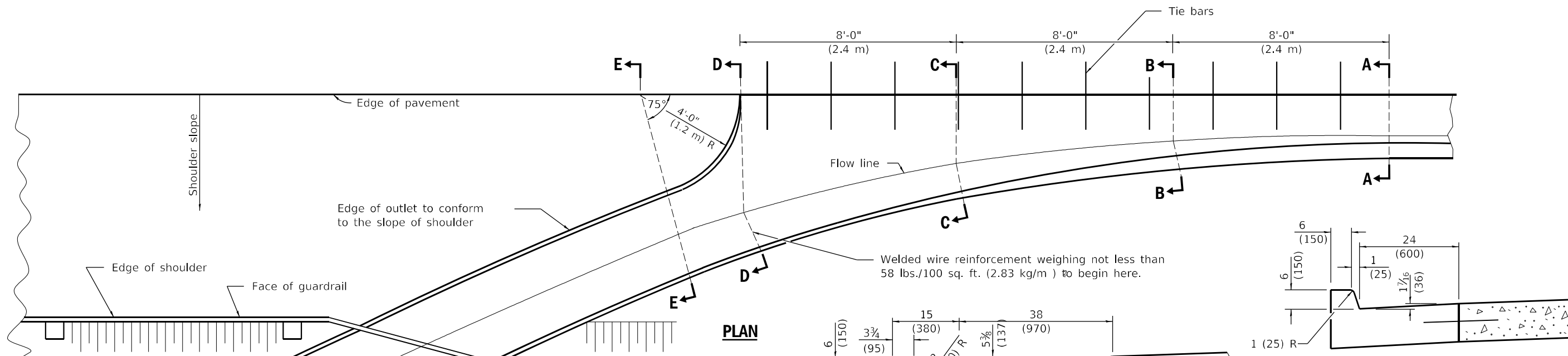
CAST-IN-PLACE REINFORCED  
 CONCRETE END SECTIONS 36"

SHEET 1 OF 1 SHEETS

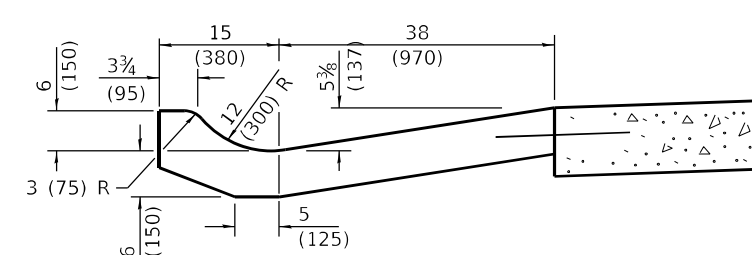
| F.A.P. RTE.               | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 885                       | 110(W-2, RS-5) | JOHNSON | 159          | 109       |
| CONTRACT NO. 78524        |                |         |              |           |
| ILLINOIS FED. AID PROJECT |                |         |              |           |

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

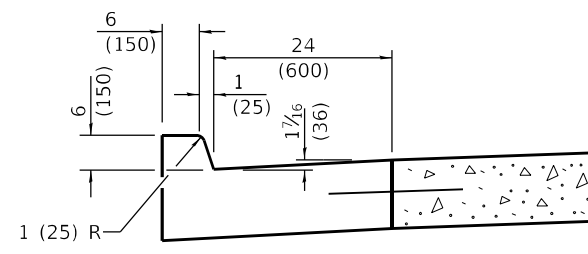
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| CHECKED    | ETH      | REVISED   |
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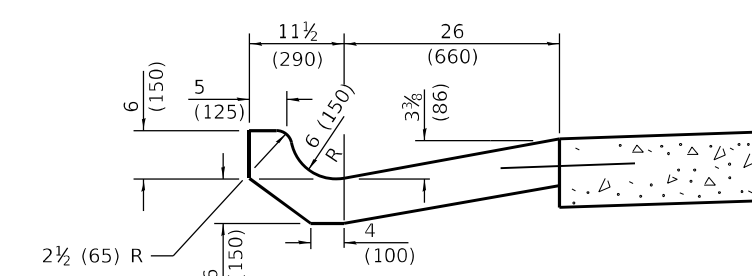
**PLAN**



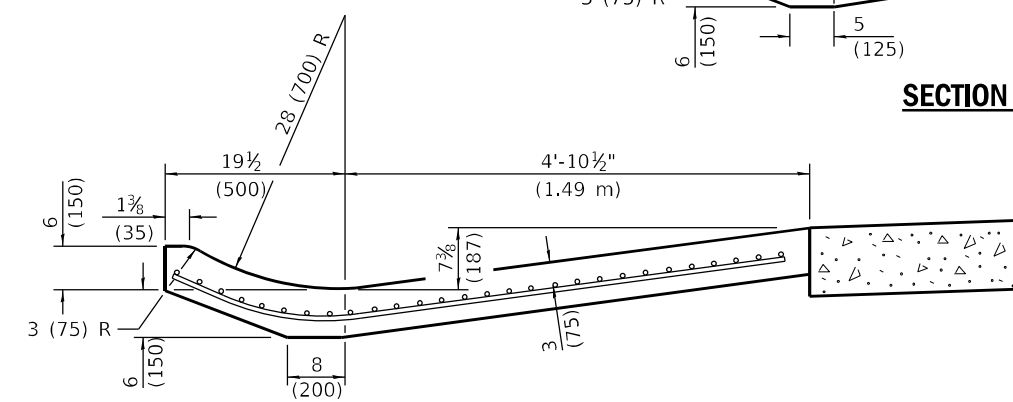
**SECTION C-C**



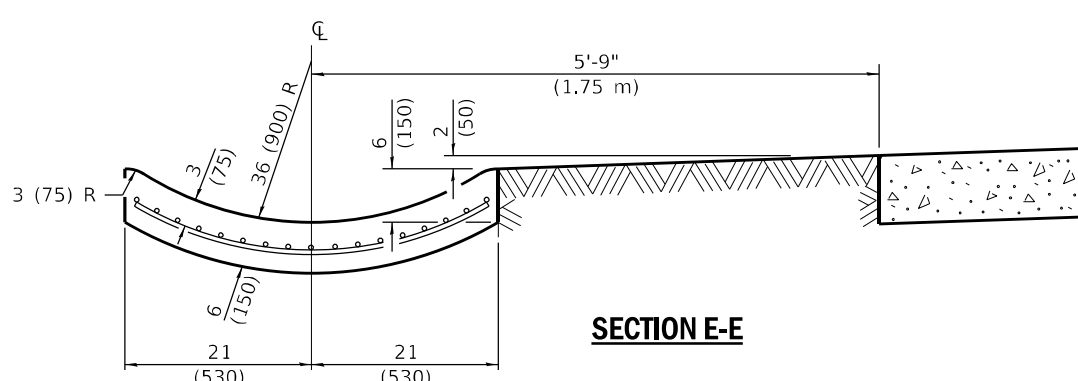
**SECTION A-A**



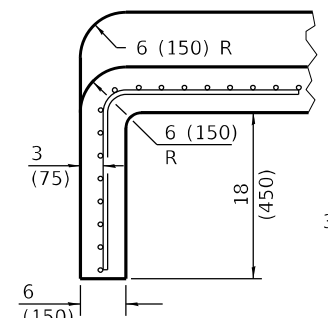
**SECTION B-B**



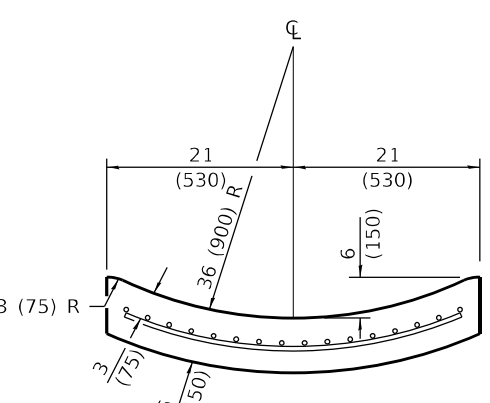
**SECTION D-D**



**SECTION E-E**



**SECTION G-G**



**SECTION F-F**

**GENERAL NOTES**

Tie bars shall be No. 6 (No. 19) at 36 (900) centers unless otherwise shown.

Gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

If the average grade of pavement for the distance from Section A-A to D-D exceeds 2%, this distance shall be increased 6' (1.8 m) for each 1% increase in grade.

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

**QUANTITIES**

For Section A-A to E-E and curtain wall =  
 2.38 cu. yds. (1.82 m<sup>3</sup>) concrete for 9 (225) pav't.  
 2.41 cu. yds. (1.84 m<sup>3</sup>) concrete for 10 (250) pav't.

For Section F-F =  
 0.069 cu. yds. (0.17 m<sup>3</sup>) concrete per ft. (m)

**STANDARD OUTLET**

**OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)**

(Sheet 1 of 2)

**DETAIL**

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|                              |            |          |
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| PLOT SCALE = 20,0000 * / in. | DRAWN -    | REVISD - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISD - |
|                              | DATE -     | REVISD - |

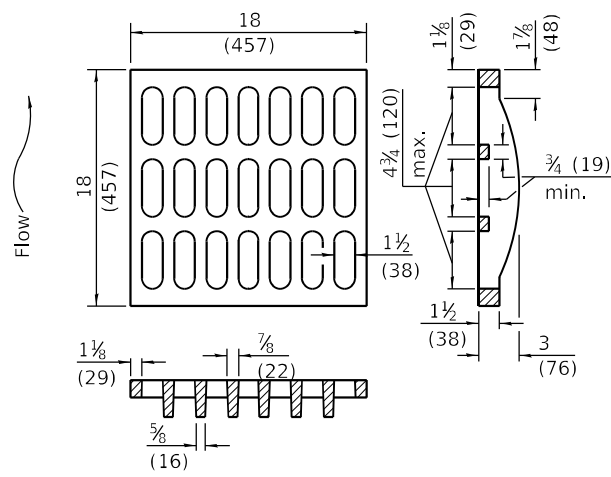
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|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)**  
 SCALE: 1"=10' SHEET 1 OF 12 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 110       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

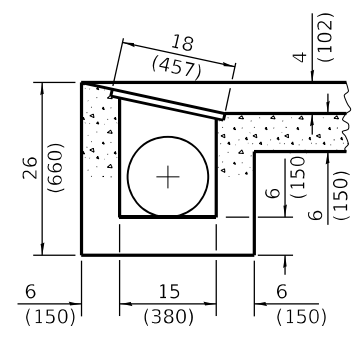




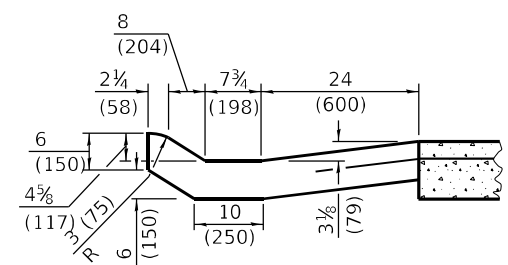
**GRATE TYPE A**

**QUANTITIES**

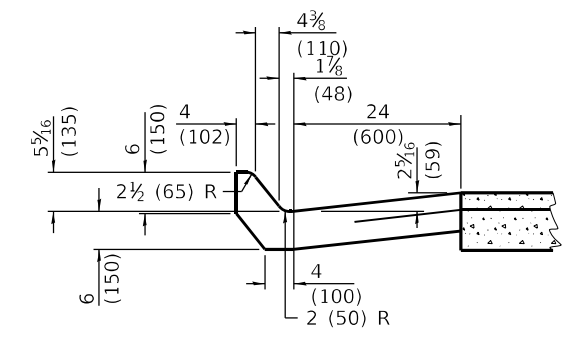
1.98 cu. yds. (1.51 m<sup>3</sup>) concrete for 9 (225) pav't.  
 2.01 cu. yds. (1.54 m<sup>3</sup>) concrete for 10 (250) pav't.



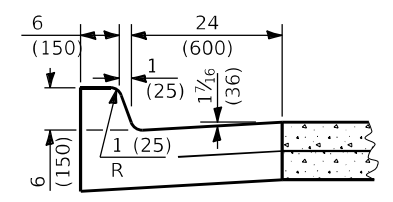
**SECTION E-E**



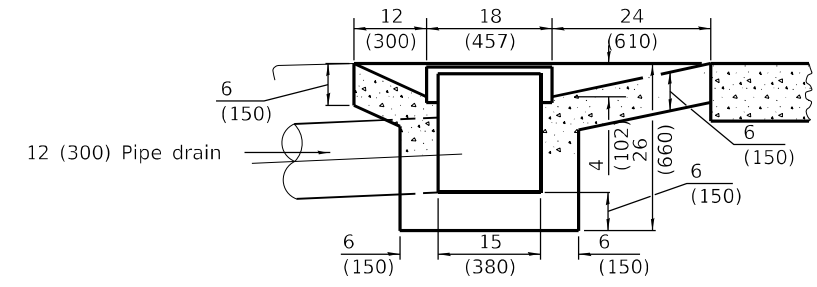
**SECTION C-C**



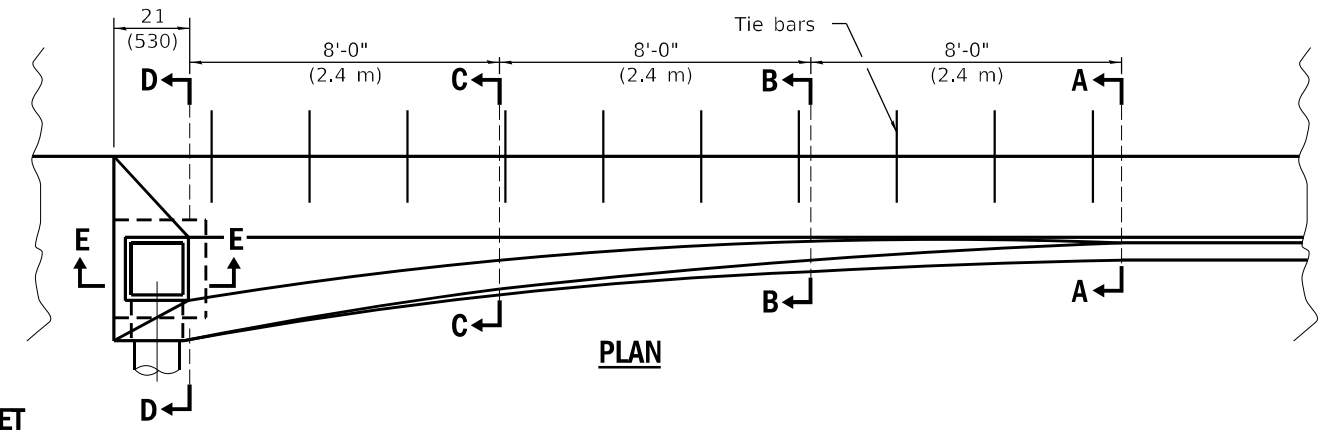
**SECTION B-B**



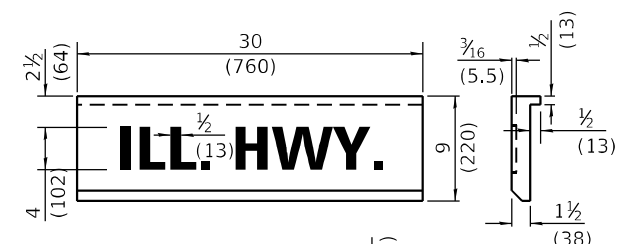
**SECTION A-A**



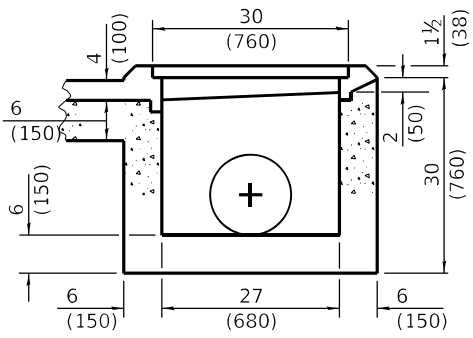
**SECTION D-D**



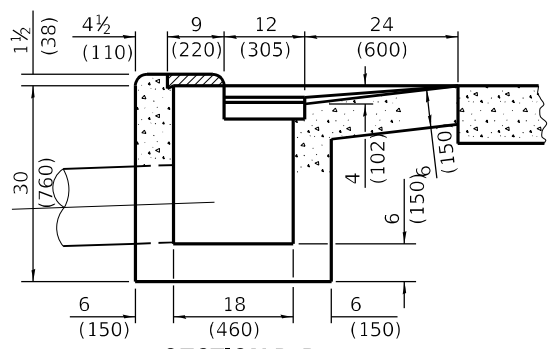
**TYPE 1 OUTLET**



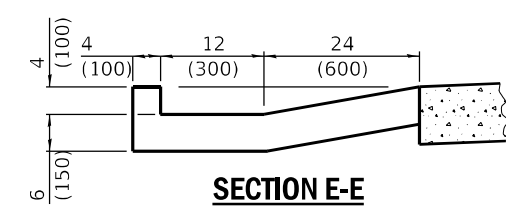
**GRATE AND COVER TYPE 2B**



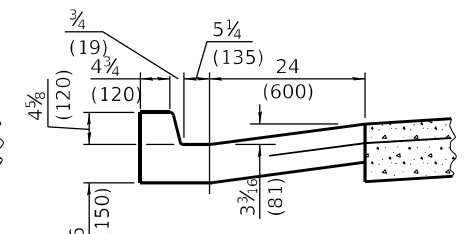
**SECTION F-F**



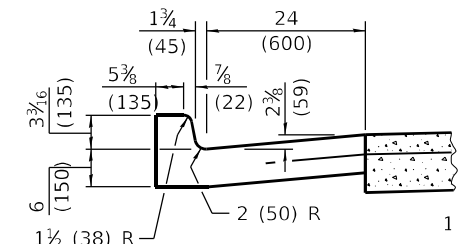
**SECTION D-D**



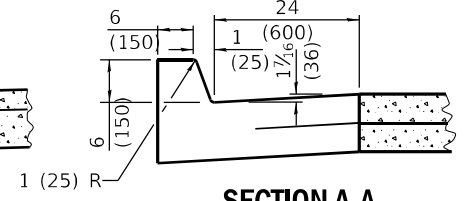
**SECTION E-E**



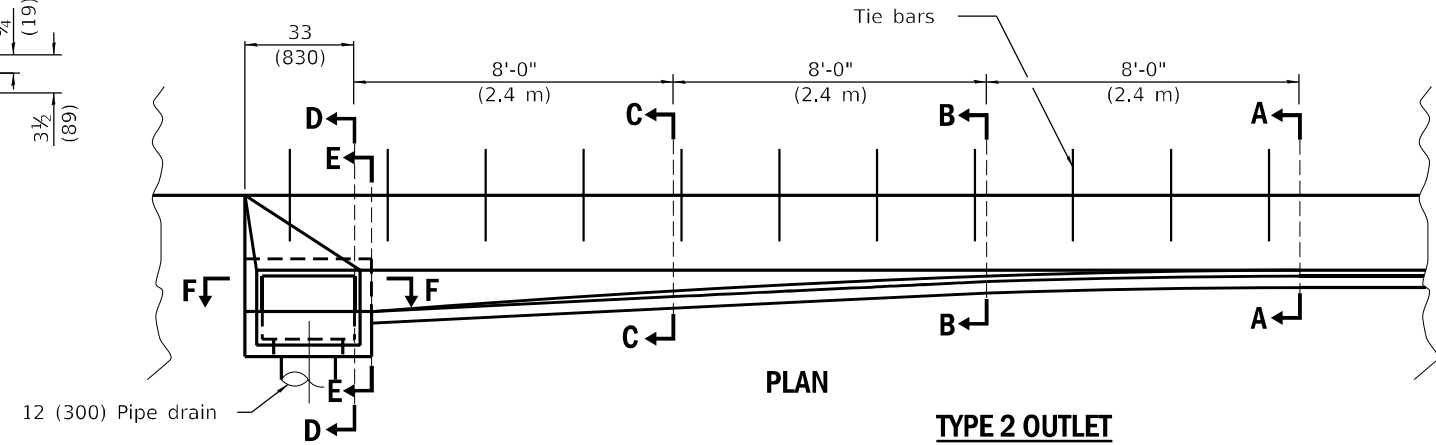
**SECTION C-C**



**SECTION B-B**



**SECTION A-A**



**TYPE 2 OUTLET**

**QUANTITIES**

2.07 cu. yds. (1.58 m<sup>3</sup>) concrete for 9 (225) pav't.  
 2.07 cu. yds. (1.60 m<sup>3</sup>) concrete for 10 (250) pav't.

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

**OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)**

(Sheet 2 of 2)

**DETAIL**

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|                              |            |           |
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| PLOT SCALE = 20,0000 * / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/27/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**OUTLETS FOR CONCRETE CURB AND GUTTER  
TYPE B-6.24 (B-15.60)**

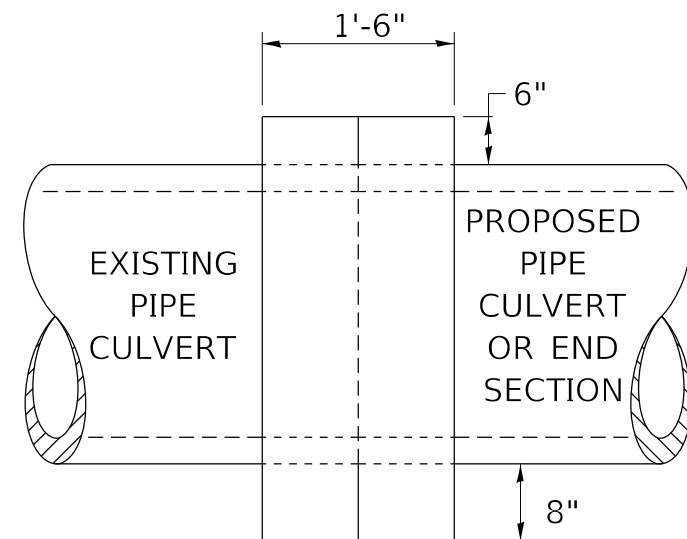
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| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 111       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

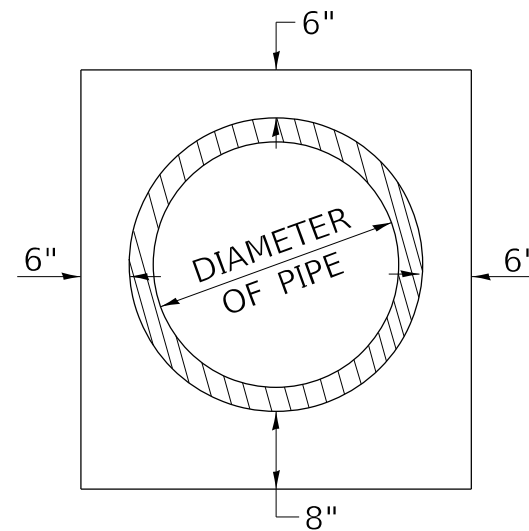


# CONCRETE COLLAR

## PIPE TO PIPE



SIDE VIEW



END VIEW

### TABULATION

| DIAMETER OF PIPE | CL SI CONC CU YDS EST |
|------------------|-----------------------|
| 12"              | 0.24                  |
| 15"              | 0.29                  |
| 18"              | 0.32                  |
| 24"              | 0.44                  |
| 30"              | 0.56                  |
| 36"              | 0.66                  |
| 42"              | 0.80                  |
| 48"              | 0.93                  |
| 54"              | 1.07                  |
| 60"              | 1.22                  |
| 72"              | 1.55                  |

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

#### REVISIONS

|         |         |
|---------|---------|
| DRAWN   | 7-13-90 |
| REVISED | 8-22-94 |
| REVISED | 3-26-08 |
| REVISED | 5-17-13 |

STD. 9-79

MODEL: D:\p\h\...  
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = rj\ne,wiltjes  
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 PLOT DATE = 3/27/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONCRETE COLLAR DETAIL

SCALE: 1"=10' SHEET 4 OF 12 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 113       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

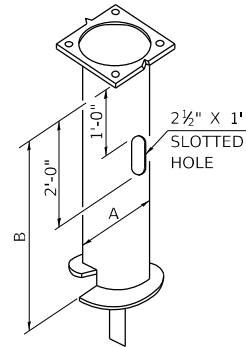
# LIGHT POLE FOUNDATION

| DATA, STEEL **<br>FOUNDATION TABLE |     |       |                    |
|------------------------------------|-----|-------|--------------------|
| BOLT CIRCLE                        | A   | B     | MOUNTING HEIGHT    |
| 1'-3"                              | 10" | 6'-0" | 45'-0" OR 50'-0" * |
| 1'-3"                              | 8"  | 6'-0" | 45'-0"             |
| 11"                                | 8"  | 6'-0" | 40'-0" OR LESS     |

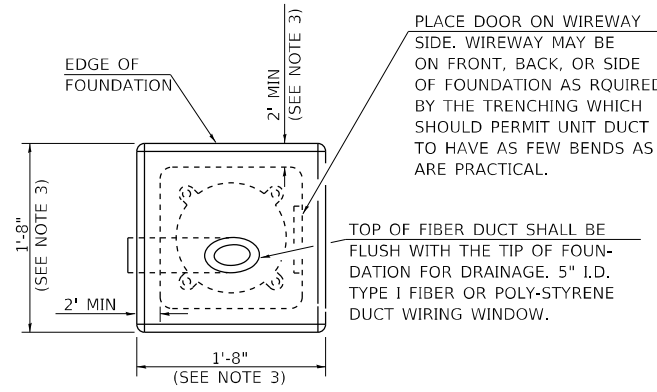
| LOW MOUNTING<br>FOUNDATION TABLE |       |             |
|----------------------------------|-------|-------------|
| HEIGHT                           | DEPTH | BOLT CIRCLE |
| 30'-0"                           | 5'-0" | 11"         |
| 31'-0" - 35'-0"                  | 6'-0" | 11"         |
| 36'-0" - 40'-0"                  | 7'-0" | 1'-3"       |
| 41'-0" - 45'-0"                  | 7'-6" | 1'-3"       |
| 46'-0" - 50'-0"                  | 8'-0" | 1'-3"       |

\* FOR USE ON POLES W/TWIN TENON

\*\* MINIMUM TORQUE REQ'D TO INSTALL FOUNDATIONS SHALL BE 5,000 LBS

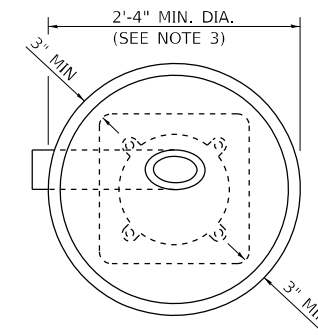


**STEEL POLE FOUNDATION**

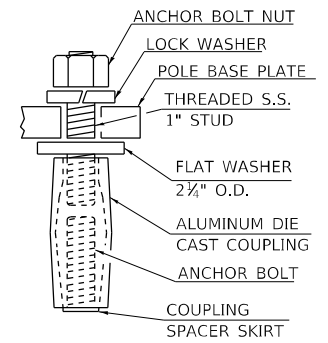


PLACE DOOR ON WIREWAY SIDE. WIREWAY MAY BE ON FRONT, BACK, OR SIDE OF FOUNDATION AS REQUIRED BY THE TRENCHING WHICH SHOULD PERMIT UNIT DUCT TO HAVE AS FEW BENDS AS ARE PRACTICAL.

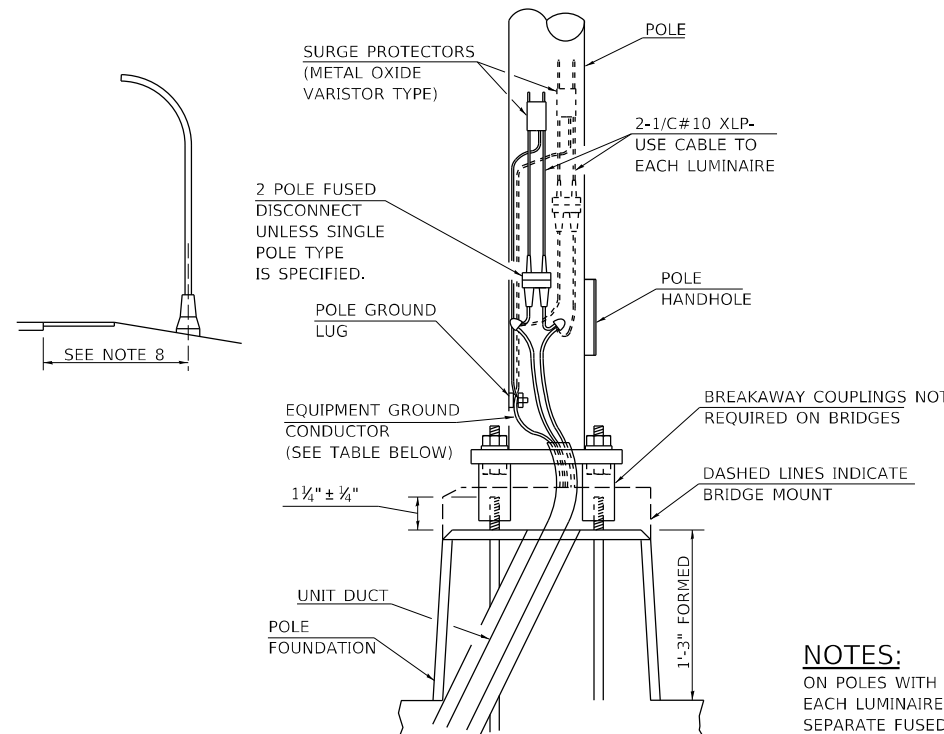
TOP OF FIBER DUCT SHALL BE FLUSH WITH THE TIP OF FOUNDATION FOR DRAINAGE. 5" I.D. TYPE I FIBER OR POLY-STYRENE DUCT WIRING WINDOW.



**ALT. FOUNDATION**



**TYP. COUPLING**



2 POLE FUSED DISCONNECT UNLESS SINGLE POLE TYPE IS SPECIFIED.

POLE GROUND LUG

EQUIPMENT GROUND CONDUCTOR (SEE TABLE BELOW)

1 1/4" ± 1/4"

UNIT DUCT

POLE FOUNDATION

SURGE PROTECTORS (METAL OXIDE VARISTOR TYPE)

POLE

2-1/C#10 XLP-USE CABLE TO EACH LUMINAIRE

POLE HANDHOLE

BREAKAWAY COUPLINGS NOT REQUIRED ON BRIDGES

DASHED LINES INDICATE BRIDGE MOUNT

| EQUIPMENT GROUND TABLE |                |
|------------------------|----------------|
| BREAKER SIZE           | CONDUCTOR SIZE |
| 30 AMP.                | #10 COPPER     |
| 40 AMP.                | #10 COPPER     |
| 60 AMP.                | #10 COPPER     |
| 100 AMP.               | #8 COPPER      |

**NOTES:**

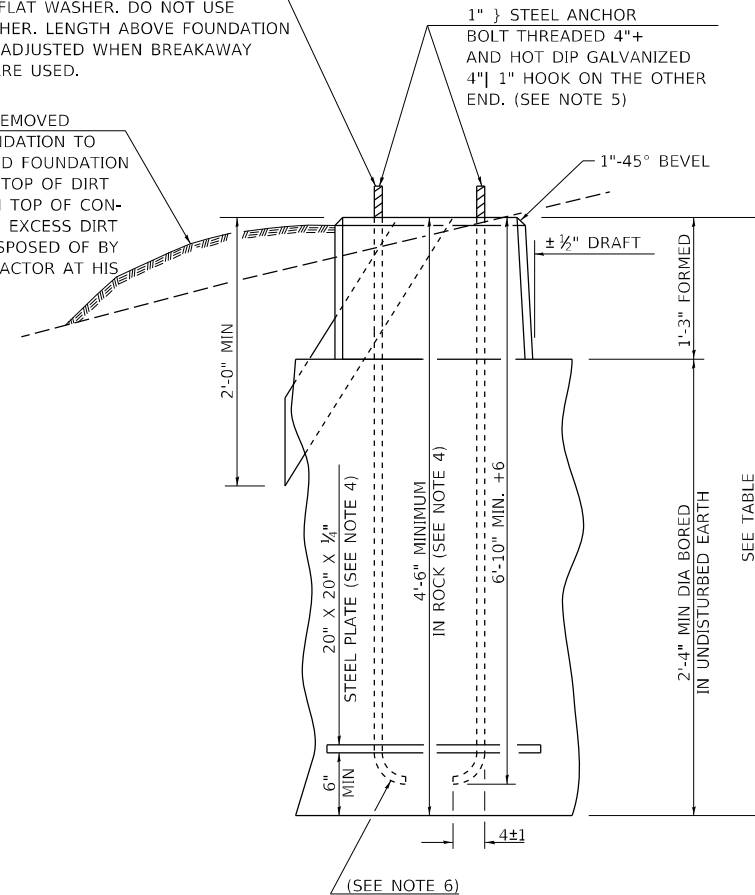
ON POLES WITH TWO LUMINAIRES, EACH LUMINAIRE SHALL HAVE A SEPARATE FUSED DISCONNECT.

**INSTALLATION INSTRUCTIONS:**

SCREW COUPLINGS ON TO ANCHOR BOLTS TO END OF THREADS, LEVEL COUPLINGS, VERY IMPORTANT, AS COUPLINGS WILL BECOME OVER-STRESSED AND EITHER CRACK OR STRIP THREADS INSIDE COUPLING.

ANCHOR BOLT SHALL EXTEND THROUGH NUT 3/8" TO 1". USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCK-WASHER. LENGTH ABOVE FOUNDATION SHALL BE ADJUSTED WHEN BREAKAWAY DEVICES ARE USED.

USE DIRT REMOVED FROM FOUNDATION TO FILL AROUND FOUNDATION TOP. MAKE TOP OF DIRT LEVEL WITH TOP OF CONCRETE. ANY EXCESS DIRT WILL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.



1" } STEEL ANCHOR BOLT THREADED 4"+ AND HOT DIP GALVANIZED 4" | 1" HOOK ON THE OTHER END. (SEE NOTE 5)

1"-45° BEVEL

± 1/2" DRAFT

1'-3" FORMED

2'-4" MIN DIA BORED IN UNDISTURBED EARTH

SEE TABLE

20" X 20" X 1/2" STEEL PLATE (SEE NOTE 4)

4'-6" MINIMUM IN ROCK (SEE NOTE 4)

6'-10" MIN. +6

6" MIN

4±1

METAL OR  CONCRETE

**GENERAL NOTES**

- AFTER POURING CONCRETE, THE FORM SHALL REMAIN UNDISTURBED OVERNIGHT.
- THE TOP 15" ONLY SHALL BE FORMED. CONCRETE BOUNDED BY UNDISTURBED EARTH ONLY SHALL FILL THE REMAINDER OF THE HOLE.
- MINIMUM CLEARANCE FROM THE OUTSIDE EDGE OF FOUNDATION TO ANY PART OF THE POLE BASEPLATE SHALL BE 3".
- THE DEPTH OF THE FOUNDATION MAY BE REDUCED 6" FOR EVERY 12" OF ROCK ENCOUNTERED WITH A MINIMUM DEPTH OF 4'-6". WHEN THE DEPTH OF THE FOUNDATION IS DECREASED TO LESS THAN 6' THE ANCHOR BOLTS SHALL BE CUT, THREADED, AND A STEEL PLATE 20" X 20" X 1/4" SHALL BE INSTALLED ON THE ANCHOR BOLTS 6" ABOVE THE BOTTOM OF THE EXCAVATION. THE COST SHALL BE INCIDENTAL TO THE FOUNDATION.
- ON PARAPET WALLS USE 1 1/4" } ANCHOR BOLTS. USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCKWASHER. (FOR DETAILS SEE STANDARD III/2.35 OF BRIDGE DESIGN MANUAL.
- BEND RADIUS SHALL BE FOUR TIMES BOLT DIAMETER.
- CONNECT GROUND WIRES TO POLE BASE GROUND LUG, NOT ANCHOR BOLTS OR TRANSFORMER BASE.
- LOW MOUNT POLE FOUNDATION SETBACK: FOR HORIZONTAL MOUNTED LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 20' FROM EDGE OF PAVEMENT.

FOR VERTICAL MOUNT LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 30' FROM EDGE OF PAVEMENT. POLES SHALL BE LOCATED 5' BEHIND GUARDRAIL OR OTHER PROTECTIVE BARRIERS, OR AS DIRECTED BY THE ENGINEER.

| REVISIONS |          |
|-----------|----------|
| DRAWN     | 2-9-01   |
| REVISED   | 5-13-02  |
| REVISED   | 01-16-07 |
| RESIZED   | 05-6-08  |
| REVISED   | 5-17-13  |

STD. 9-114

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|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = rjnr,wlfjes     | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 20,0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/27/2023       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHT POLE FOUNDATION DETAILS**

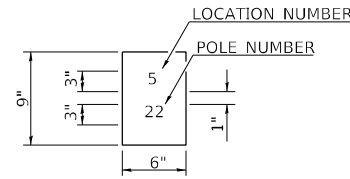
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| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------------|---------|--------------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 114       |
|                           |               |         | CONTRACT NO. 78524 |           |
| ILLINOIS FED. AID PROJECT |               |         |                    |           |

# POLE STANDARDS

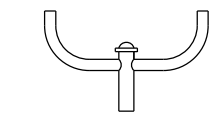
"INSTALL AND ORIENT ARM BRACKET OVER POLE TENON AND FIRMLY HAND TIGHTEN THE TWO SET SCREWS. USE THIRD HOLE IN ARM BRACKET AS A GUIDE TO DRILL A 2/64" DIAMETER HOLE THROUGH TENON. INSTALL AND TIGHTEN SELF-TAPPING SCREW. TIGHTEN SET SCREWS AN ADDITIONAL 1/4 TO 3/8 TURN WITH HEX KEY (NOT PROVIDED). INSTALL LOCKNUTS ON SET SCREWS IF THREADED PROJECTION ALLOWS."

POLE SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR 80 MPH WIND LOADING AND 90 LB. 4.0 SQ. FT. E.P.A. LUMINAIRE.

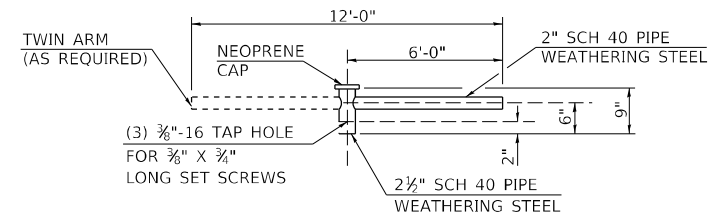


THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION OF EACH NEW LIGHT POLE, AS SHOWN ABOVE. INCIDENTAL TO THE RESPECTIVE LIGHT POLE PAY ITEM, THE NUMERALS SHALL BE 3", SERIES "D", BLACK, SCREENED ON SILVER-WHITE TYPE B PRESSURE SENSITIVE REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF SECTION T602.01 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. THE NUMERALS SHALL CONFORM TO THE FHWA "STANDARD ALPHABETS FOR HIGHWAY SIGNS".

THE LIGHT POLE IDENTIFICATION SHALL BE APPLIED TO SIGN BASE MATERIAL AS SPECIFIED IN SECTION 719.11 OF THE STANDARD SPECIFICATIONS, APPROXIMATELY 7" ABOVE THE ADJACENT PAVEMENT GRADE VISIBLE TO APPROACHING TRAFFIC IN ACCORDANCE WITH HIGHWAY STANDARD 2319.

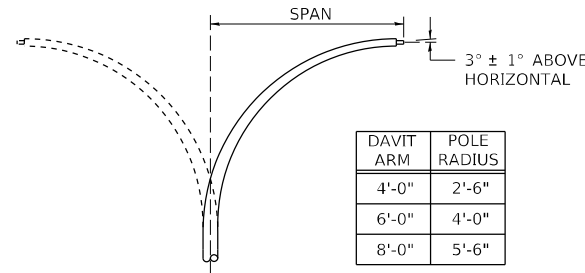


TWIN TENON



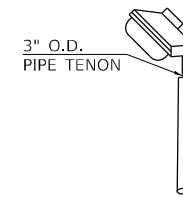
TENON MOUNT BRACKET ARM

NOTE: SINGLE OR TWIN ARM ASSEMBLY SHALL BE TILTED 3° ABOVE HORIZONTAL.

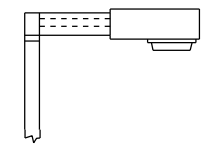


DAVIT ARM (AND OR)

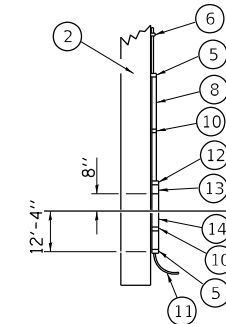
DAVIT ARM-TWIN



TENON



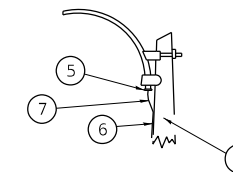
SHORT BRACKET



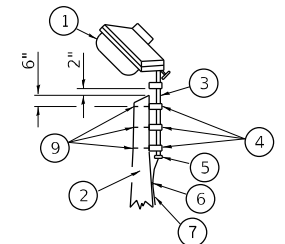
DETAILS FOR UNDERGROUND DISTRIBUTION IF REQUIRED

POLE, WOOD

| POLE LENGTH | DEPTH IN GROUND |
|-------------|-----------------|
| 65'-0"      | 12'-0"          |
| 60'-0"      | 10'-0"          |
| 55'-0"      | 9'-0"           |
| 50'-0"      | 8'-0"           |
| 45'-0"      | 7'-0"           |
| 40'-0"      | 6'-6"           |
| 35'-0"      | 6'-0"           |
| 30'-0"      | 5'-6"           |

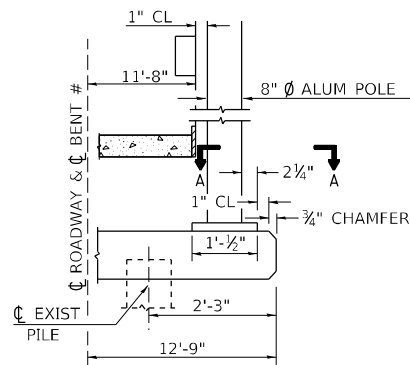


MAST ARM

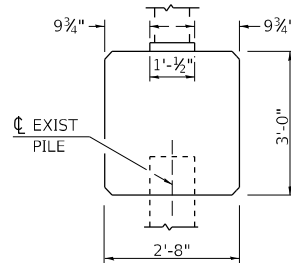


TENON

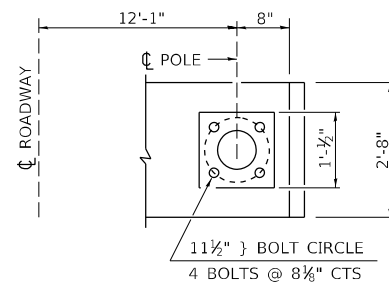
- 1 LUMINAIRE
- 2 WOOD POLE, CLASS 3 OR BETTER
- 3 2 1/2" GALV. STEEL CONDUIT
- 4 SINGLE OFFSET POLE BAND
- 5 CONDUIT BUSHING
- 6 CABLE CLAMPS ON 2' CENTERS
- 7 2/C #12 TYPE USE CABLE
- 8 1" GALV. STEEL CONDUIT 10' IN LENGTH
- 9 3/8" } HOT DIPPED GALVANIZED BOLT WITH FLAT WASHER & LOCKNUT (3 REQ'D)
- 10 CONDUIT CLAMPS ON 3' CENTERS
- 11 UNIT DUCT
- 12 THREADED REDUCER
- 13 "C" CONDULET, THREADED
- 14 1 1/2" GALV. STEEL CONDUIT FOR 1 UNIT DUCT OR 3" GALV. STEEL CONDUIT FOR 2 OR 3 UNIT DUCTS.



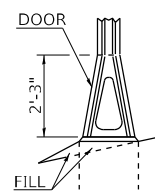
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(LOOKING )



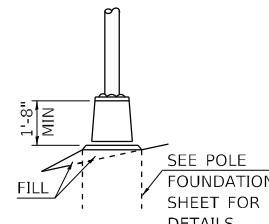
BRIDGE PIER MOUNT



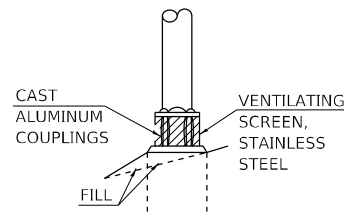
SECTION A-A



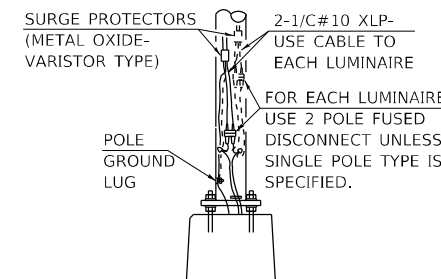
STAINLESS STEEL FLAIR BASE



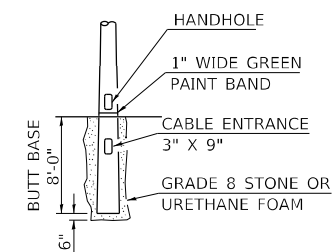
TRANSFORMER BASE  
 FRANGIBLE



BREAKAWAY COUPLING



ANCHOR



BUTT BASE

STD. 9-115

| REVISIONS |         |
|-----------|---------|
| DRAWN     | 2-9-01  |
| REVISED   | 4-14-02 |
| RESIZED   | 5-6-08  |
| REVIEWED  | 5-17-13 |

MODEL: D:\p\11... IDOT\_PTB\_106\_Item 611220088.017 - 11\_146\_Phase II\CADD\MicroStation\CADD\_Drawing\09220088.017.rvt-dwg



USER NAME = ryne.witjes  
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DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
CHECKED -  
DATE -  
PLOT DATE = 3/27/2023

DESIGNED -  
DRAWN -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

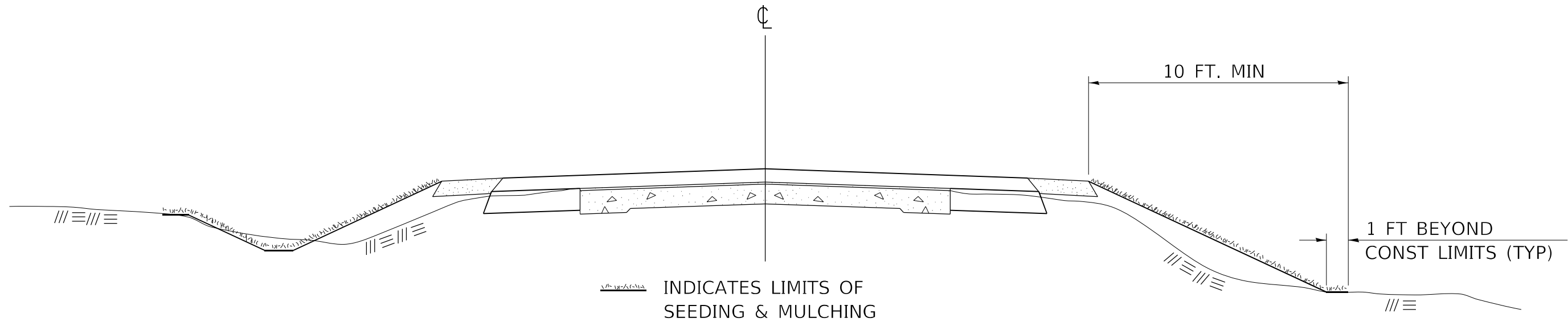
POLE STANDARDS DETAILS

SCALE: 1"=10' SHEET 6 OF 12 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 115       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



# SEEDING & MULCHING



## GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS.  
LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

### REVISIONS

|         |         |
|---------|---------|
| REDRAWN | 2-15-89 |
| REVISED | 8-15-94 |
| REVISED | 6-3-99  |
| REVISED | 3-27-08 |
| REVISED | 5-16-13 |

STD. 9-12

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                              |            |           |  |
|------------------------------|------------|-----------|--|
| USER NAME = ryne.wittjes     | DESIGNED - | REVISED - |  |
|                              | DRAWN -    | REVISED - |  |
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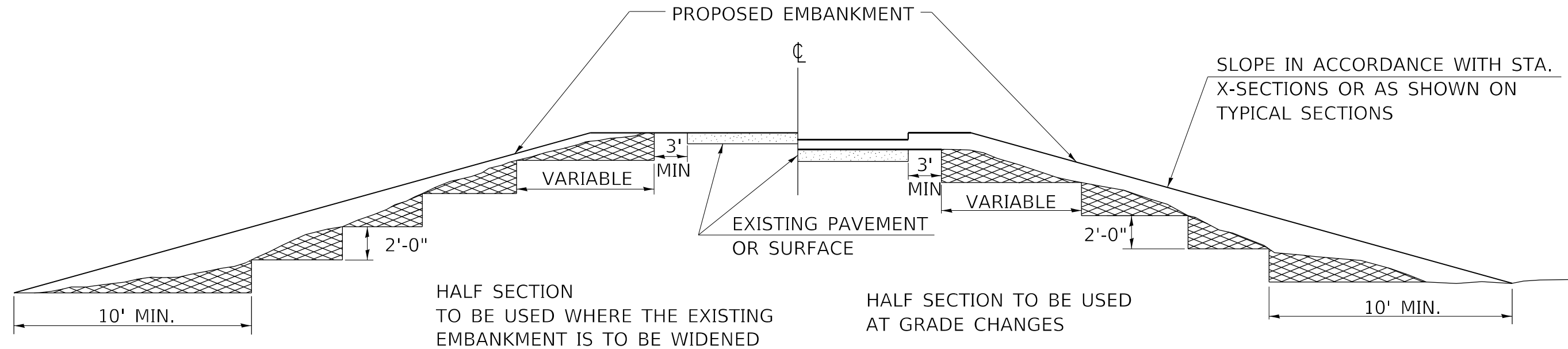
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### SEEDING & MULCHING DETAILS

SCALE: 1"=10'    SHEET 8    OF 12    SHEETS    STA.    TO STA.

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 117       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

# TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONSTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATIONS. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

### REVISIONS

|          |         |
|----------|---------|
| REDRAWN  | 2-15-89 |
| REVISED  | 8-15-94 |
| CHECKED  | 6-3-99  |
| RESIZED  | 5-7-08  |
| REVIEWED | 5-17-13 |
| REVISED  | 4-22-21 |

STD. 9-16

MODEL: D:\m\h\...  
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = rynn.wittjes  
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 PLOT DATE = 3/27/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTION SHOWING  
STEP CONSTRUCTION ON EXISTING FILL DETAIL**

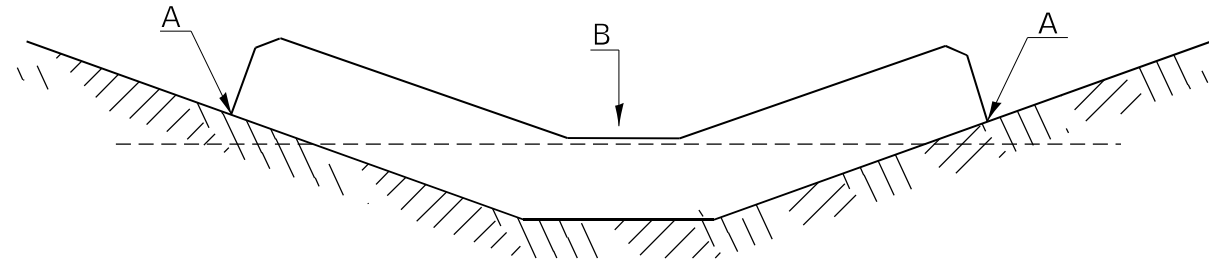
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| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 118       |
|                           |               |         | CONTRACT NO. 78524 |           |
| ILLINOIS FED. AID PROJECT |               |         |                    |           |



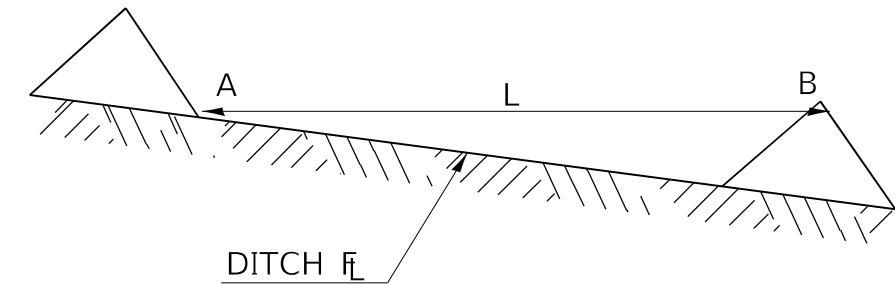
# TEMPORARY DITCH CHECKS

## PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

## SPACING BETWEEN TEMPORARY DITCH CHECKS



L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

### REVISIONS

|          |          |
|----------|----------|
| DRAWN    | 9-01-99  |
| REVISED  | 10-3-01  |
| RESIZED  | 5-8-08   |
| REVISED  | 05-04-10 |
| REVIEWED | 5-17-13  |

STD. 9-108

MODEL: P:\d\h\l...  
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



|                              |            |           |  |
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|                              | DRAWN -    | REVISED - |  |
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| PLOT DATE = 3/27/2023        | DATE -     | REVISED - |  |

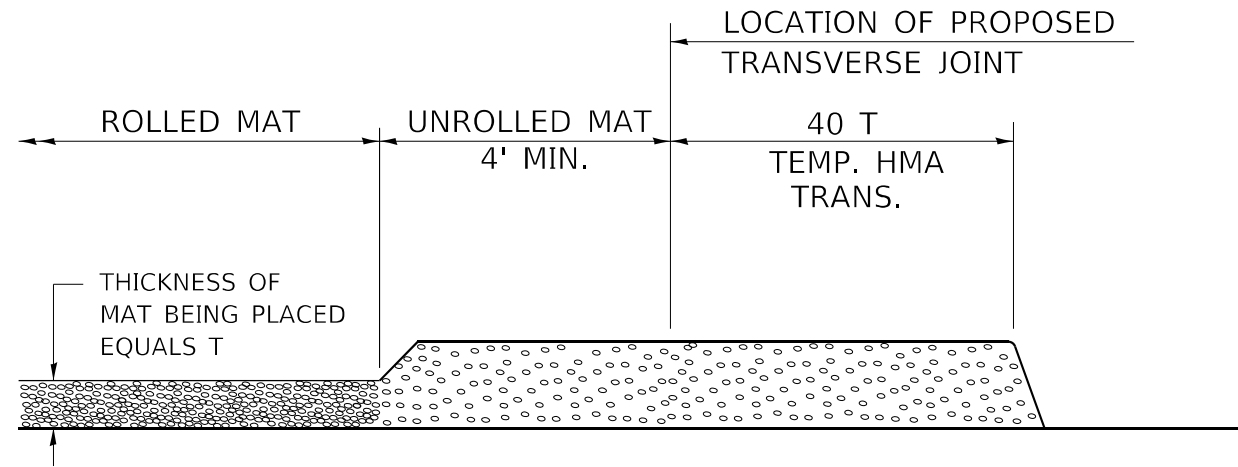
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY DITCH CHECKS DETAIL**

SCALE: 1"=10'    SHEET 10 OF 12 SHEETS    STA.    TO STA.

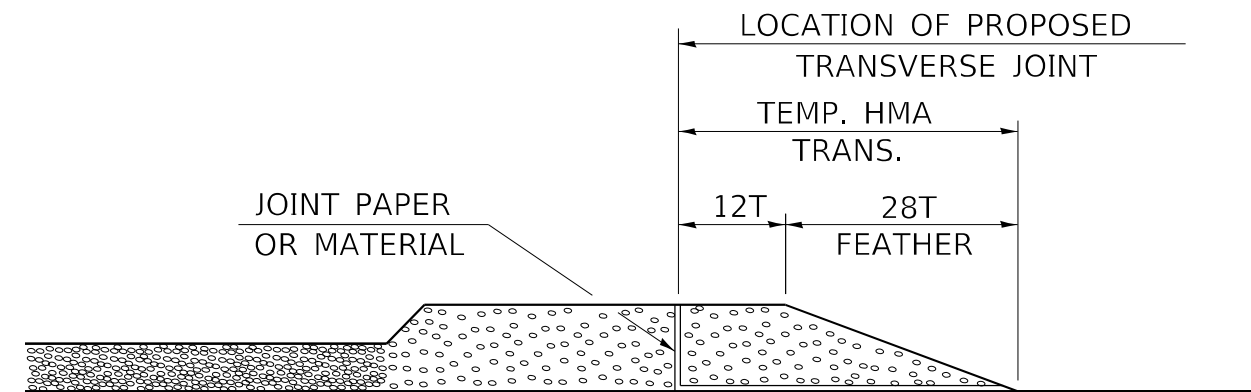
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| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 119       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

# TEMPORARY HOT-MIX ASPHALT TRANSITIONS



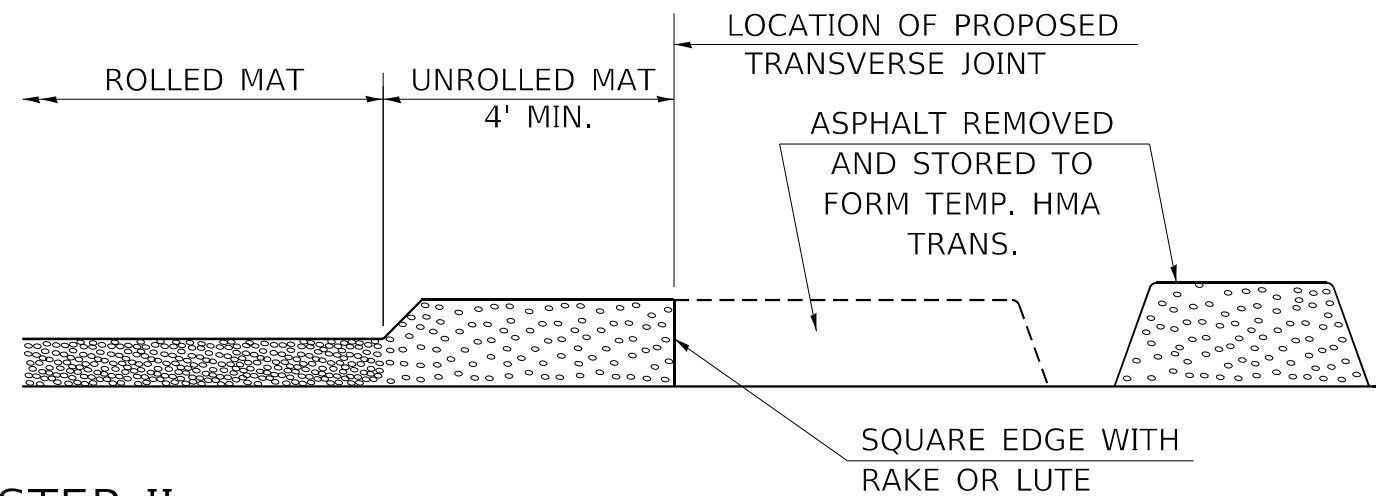
## STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



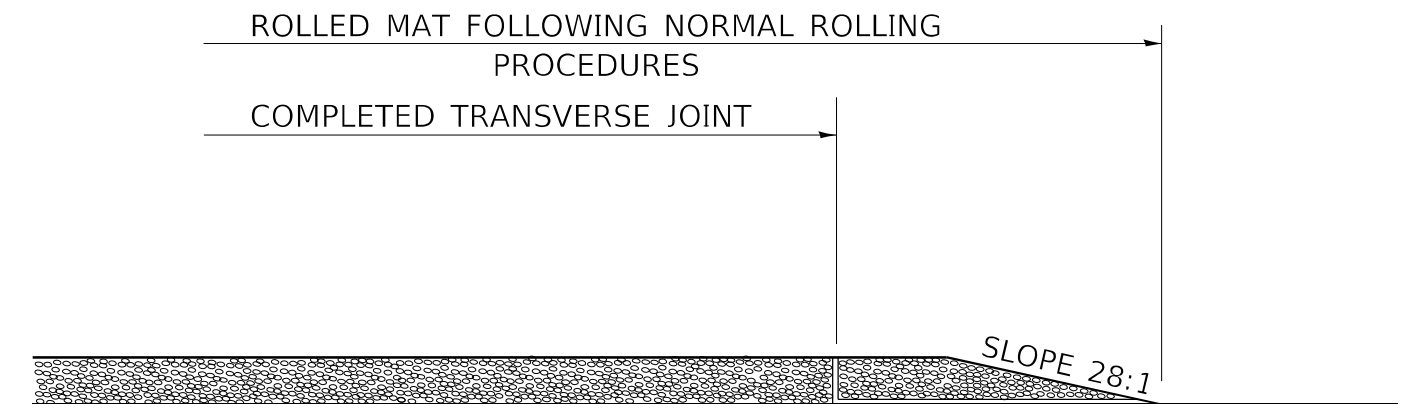
## STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



## STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



## STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

STD. 9-26

### REVISIONS

| REVISIONS | DATE     |
|-----------|----------|
| REDRAWN   | 2-15-89  |
| REVISED   | 8-16-94  |
| REVISED   | 01-09-07 |
| RESIZED   | 05-8-08  |
| REVISED   | 05-16-13 |

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = rjnr,wiljes  
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PLOT DATE = 3/27/2023

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY HOT-MIX ASPHALT TRANSITIONS DETAIL

SCALE: 1"=10' SHEET 11 OF 12 SHEETS STA. TO STA.

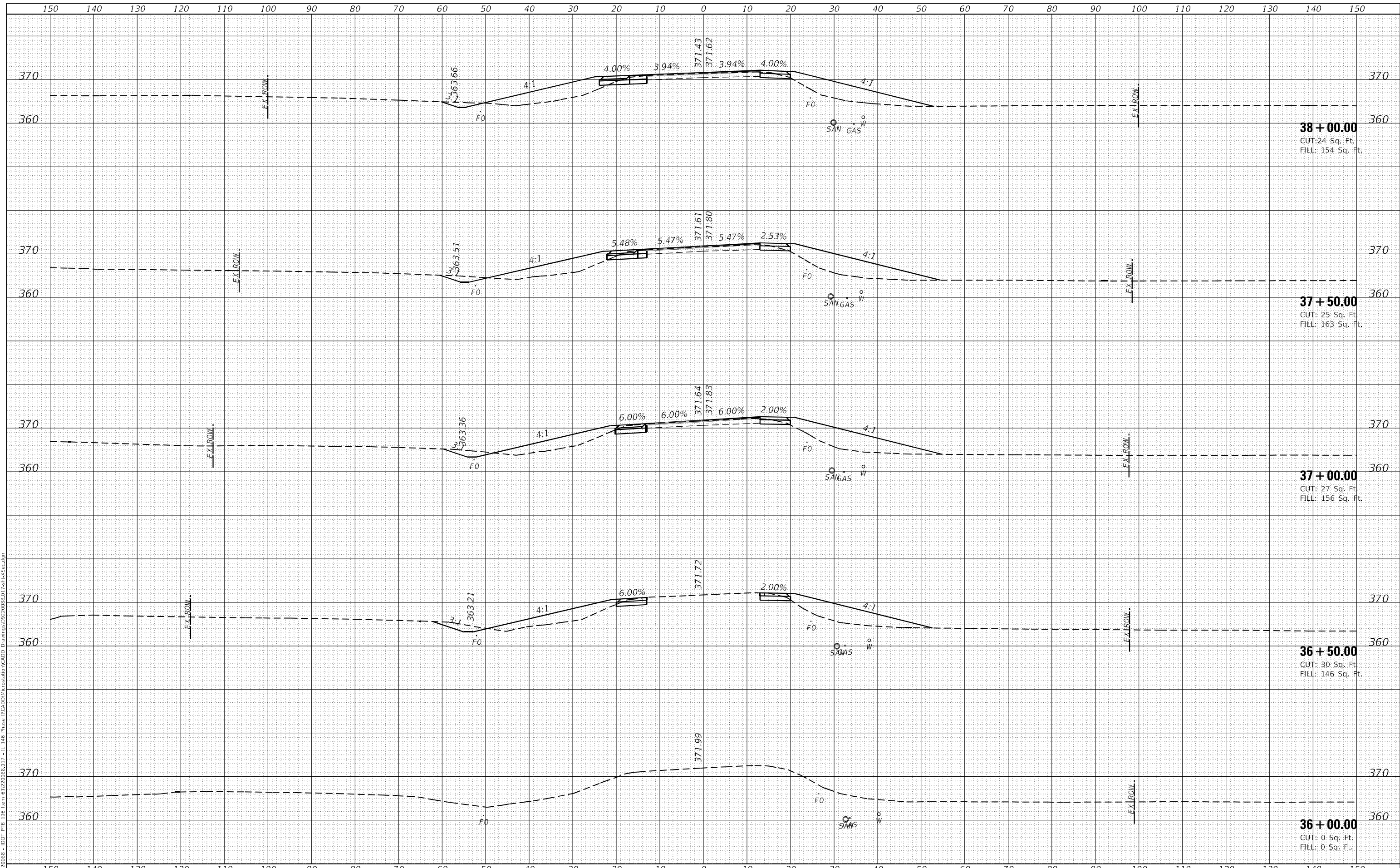
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------------|---------|--------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 120       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |



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

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

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**38 + 00.00**  
 CUT: 24 Sq. Ft.  
 FILL: 154 Sq. Ft.

**37 + 50.00**  
 CUT: 25 Sq. Ft.  
 FILL: 163 Sq. Ft.

**37 + 00.00**  
 CUT: 27 Sq. Ft.  
 FILL: 156 Sq. Ft.

**36 + 50.00**  
 CUT: 30 Sq. Ft.  
 FILL: 146 Sq. Ft.

**36 + 00.00**  
 CUT: 0 Sq. Ft.  
 FILL: 0 Sq. Ft.



|                             |            |          |
|-----------------------------|------------|----------|
| USER NAME = roshan.pokhrel  | DESIGNED - | REVISD - |
|                             | DRAWN -    | REVISD - |
| PLOT SCALE = 20,0000' / in. | CHECKED -  | REVISD - |
| PLOT DATE = 4/11/2023       | DATE -     | REVISD - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

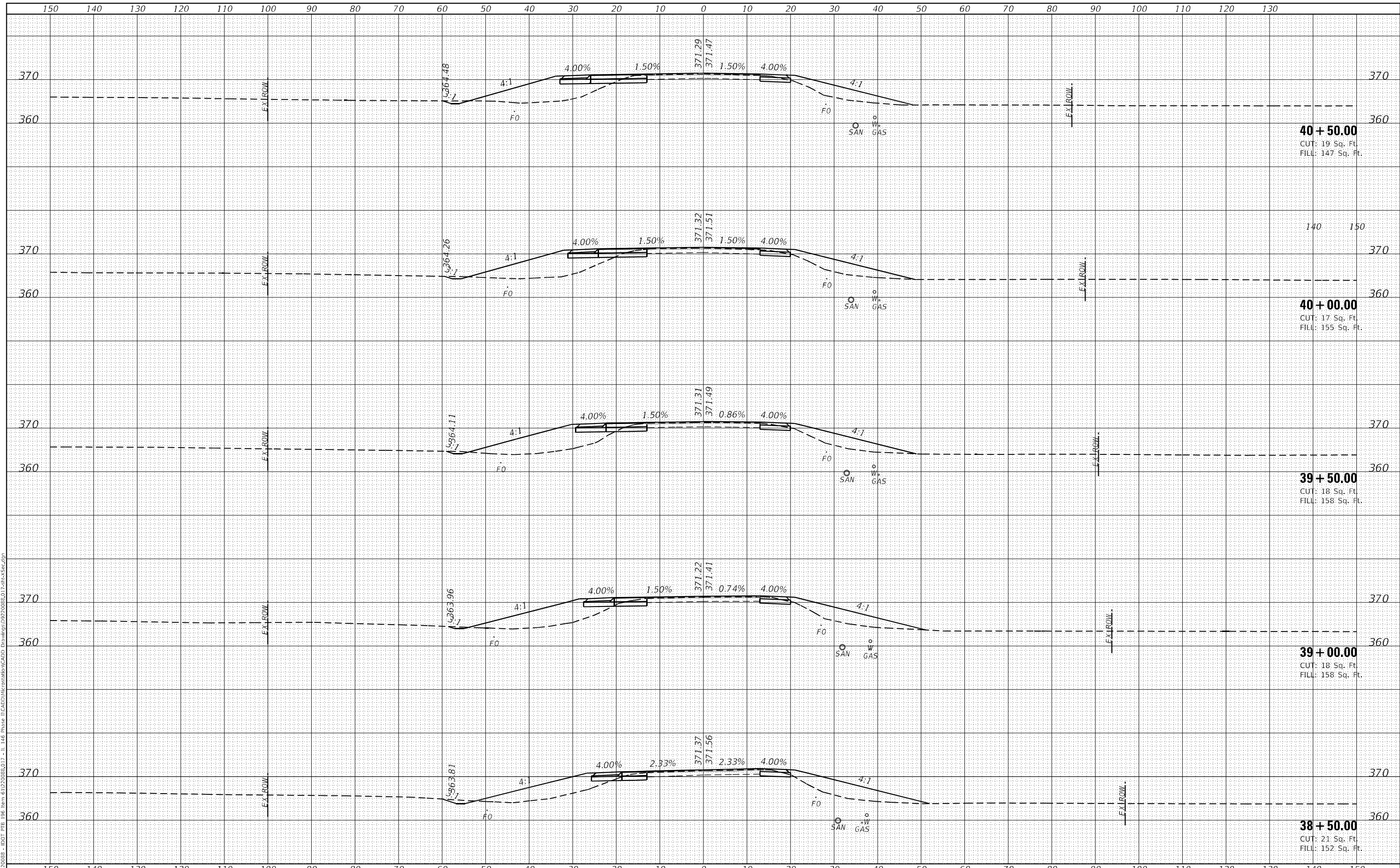
SCALE: SHEET 1 OF 22 SHEETS STA. 36+00.00 TO STA. 37+50.00

|                           |                       |                |                    |               |
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| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 122 |
|                           |                       |                | CONTRACT NO. 78524 |               |
| 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.             |  |

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**40 + 00.00**  
 CUT: 17 Sq. Ft.  
 FILL: 155 Sq. Ft.

**39 + 50.00**  
 CUT: 18 Sq. Ft.  
 FILL: 158 Sq. Ft.

**39 + 00.00**  
 CUT: 18 Sq. Ft.  
 FILL: 158 Sq. Ft.

**38 + 50.00**  
 CUT: 21 Sq. Ft.  
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USER NAME = roshan.pokhrel  
 PLOT SCALE = 20,0000' / in.  
 PLOT DATE = 4/11/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

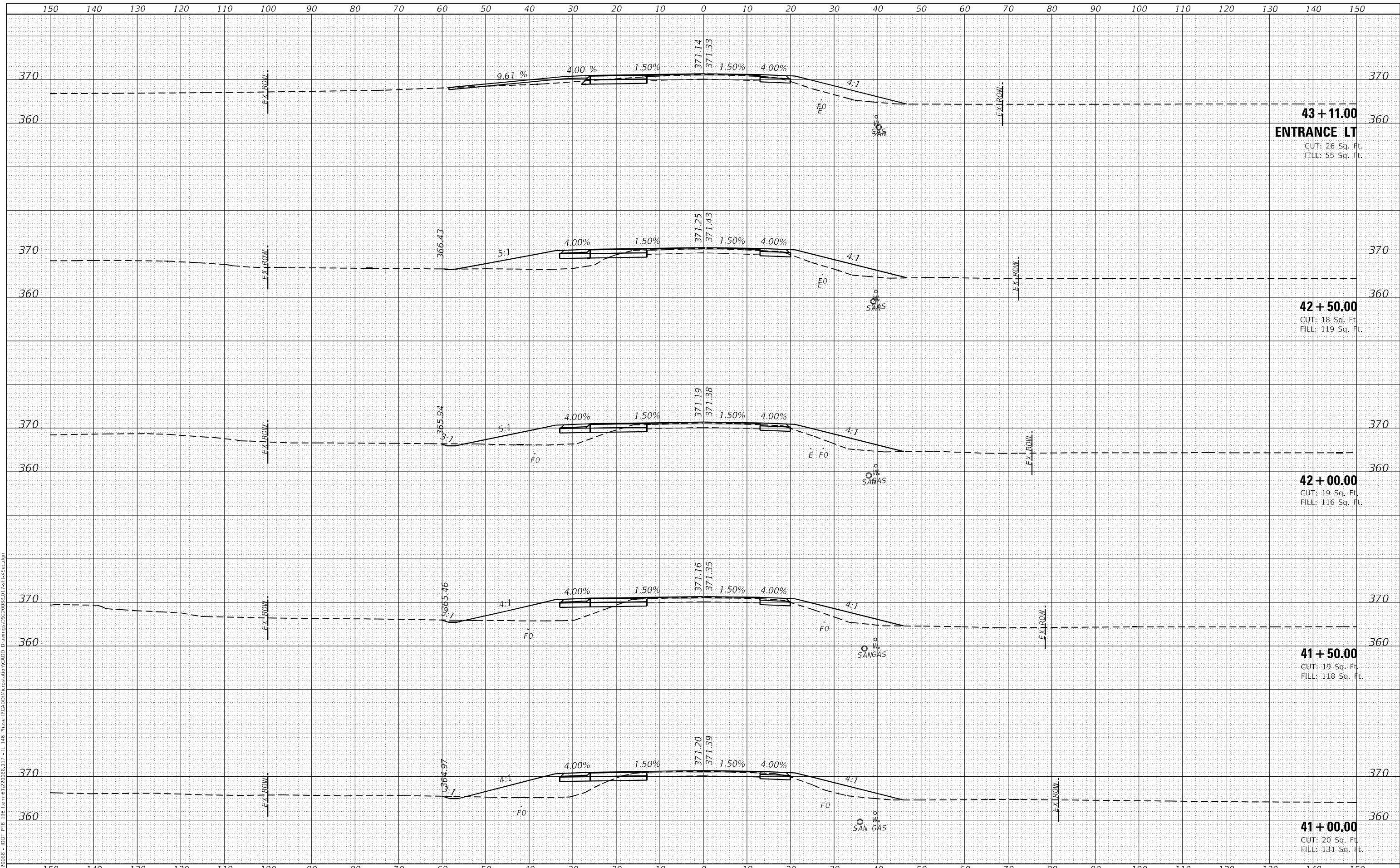
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| F.A.P. RTE. | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
|-------------|---------------|---------|---------------------------|-----------|
| 885         | 110(W-2,RS-5) | JOHNSON | 159                       | 123       |
|             |               |         | CONTRACT NO. 78524        |           |
|             |               |         | ILLINOIS FED. AID PROJECT |           |

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

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

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 FILE NAME: H:\220808 - IDOT PTB 146 Item 612208&D17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008&D17\hr-Xsec.dgn



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|------------|-------------------|
| USER NAME  | = roshan.pokhrel  |
| PLOT SCALE | = 20,0000 * / in. |
| PLOT DATE  | = 4/11/2023       |

|          |   |
|----------|---|
| DESIGNED | - |
| DRAWN    | - |
| CHECKED  | - |
| DATE     | - |

|         |   |
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| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

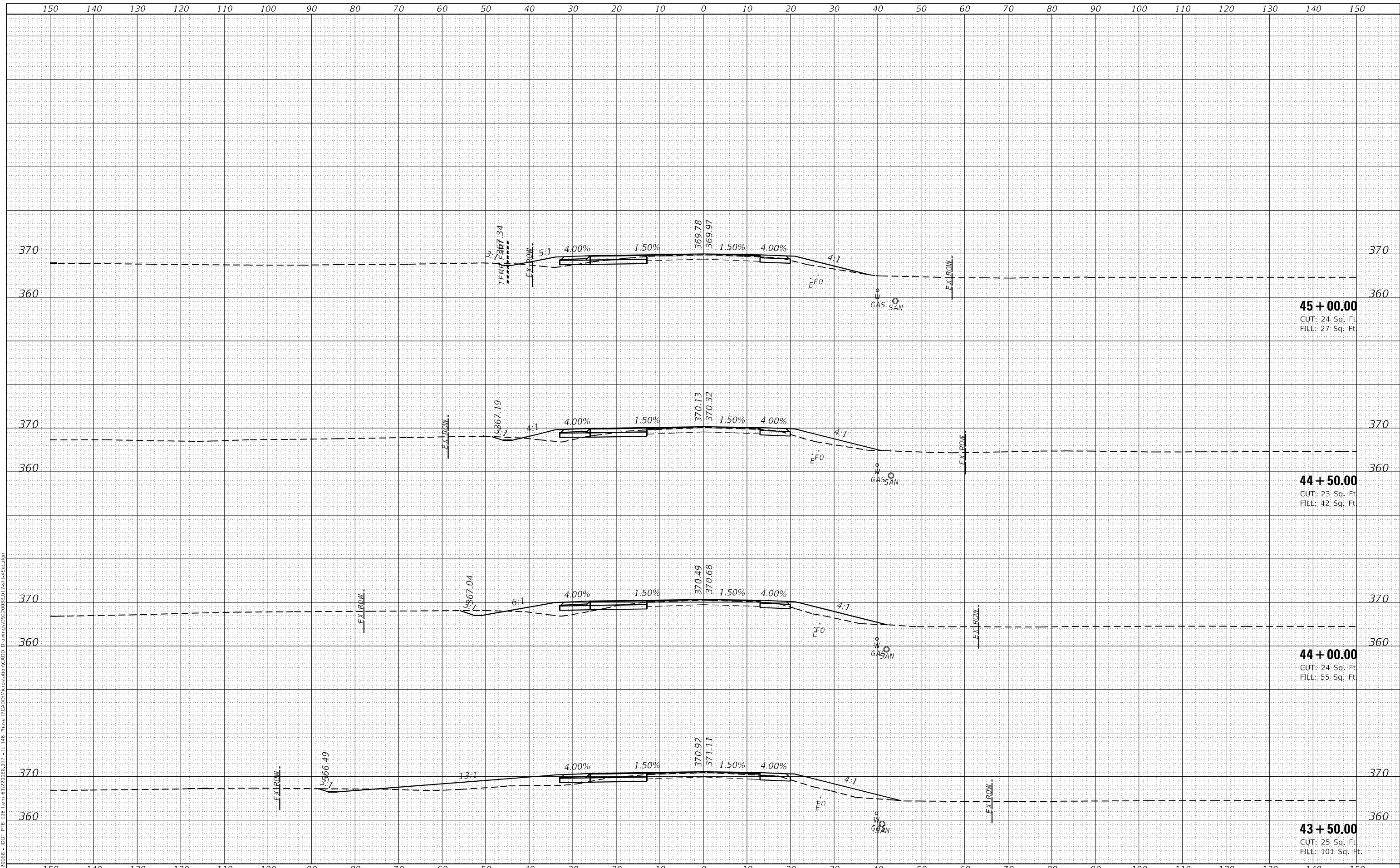
SCALE: SHEET 3 OF 22 SHEETS STA. 40+00.00 TO STA. 41+50.00

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 124       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |

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

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

MODEL: DefIntr  
 FILE NAME: H:\220808 - IDOT PTB 146 Item 61220808.D17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc-Xsec.dgn



**45 + 00.00**  
 CUT: 24 Sq. Ft.  
 FILL: 27 Sq. Ft.

**44 + 50.00**  
 CUT: 23 Sq. Ft.  
 FILL: 42 Sq. Ft.

**44 + 00.00**  
 CUT: 24 Sq. Ft.  
 FILL: 55 Sq. Ft.

**43 + 50.00**  
 CUT: 25 Sq. Ft.  
 FILL: 101 Sq. Ft.



|            |                   |
|------------|-------------------|
| USER NAME  | = roshan.pokhrel  |
| PLOT SCALE | = 20,0000 * / in. |
| PLOT DATE  | = 4/11/2023       |

|          |   |
|----------|---|
| DESIGNED | - |
| DRAWN    | - |
| CHECKED  | - |
| DATE     | - |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
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| REVISED | - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

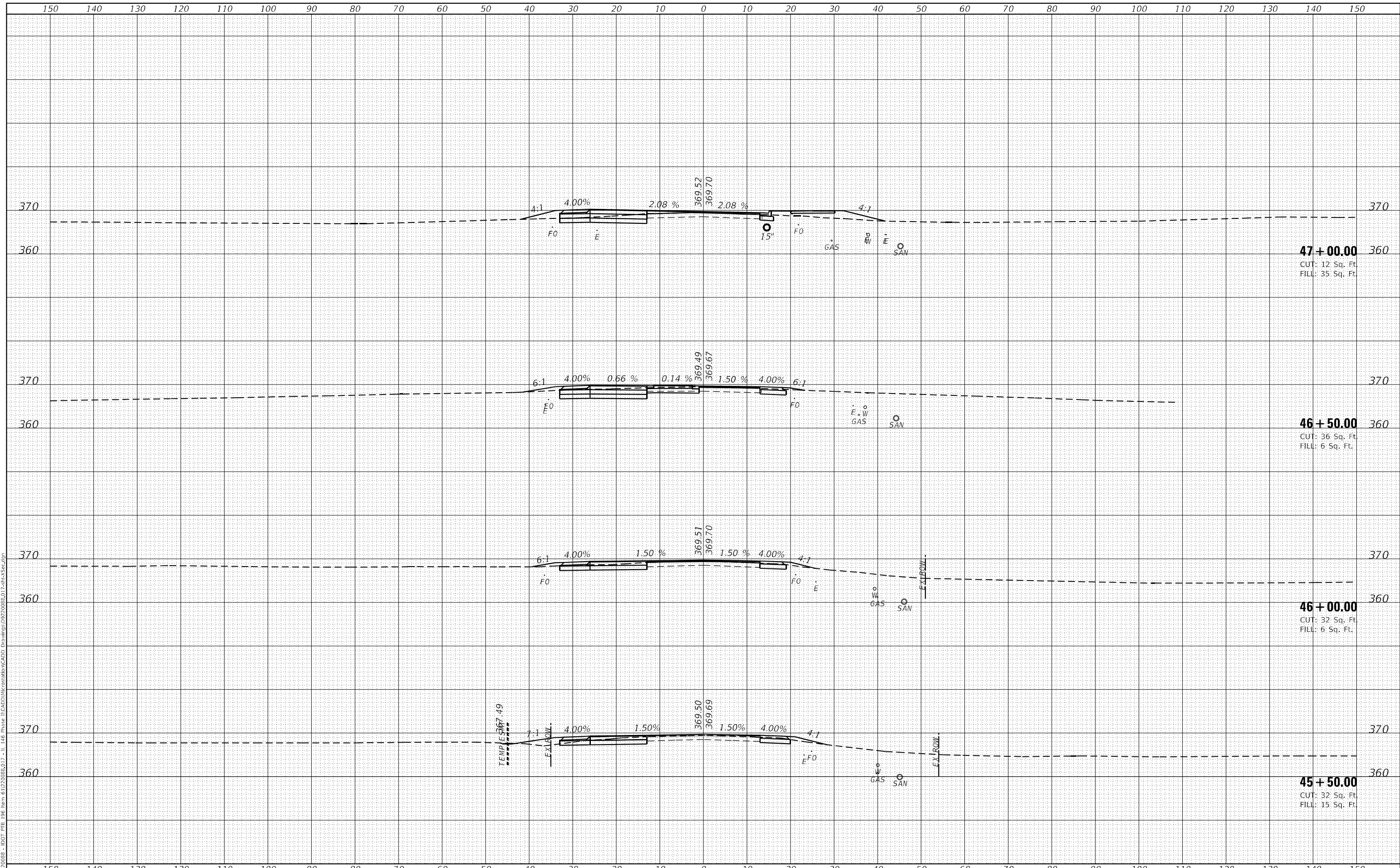
SCALE: SHEET 4 OF 22 SHEETS STA. 42+00.00 TO STA. 43+50.00

|             |               |         |                           |           |
|-------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE. | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885         | 110(W-2,RS-5) | JOHNSON | 159                       | 125       |
|             |               |         | CONTRACT NO. 78524        |           |
|             |               |         | 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: Defn\hr  
 FILE NAME: H:\22088 - IDOT\PTB 146 Item 6122088\17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.shc\Xsec.dgn



**47 + 00.00**  
 CUT: 12 Sq. Ft.  
 FILL: 35 Sq. Ft.

**46 + 50.00**  
 CUT: 36 Sq. Ft.  
 FILL: 6 Sq. Ft.

**46 + 00.00**  
 CUT: 32 Sq. Ft.  
 FILL: 6 Sq. Ft.

**45 + 50.00**  
 CUT: 32 Sq. Ft.  
 FILL: 15 Sq. Ft.



|              |                   |
|--------------|-------------------|
| USER NAME    | = roshan.pokhrel  |
| DESIGNED     | -                 |
| DRAWN        | -                 |
| PLOT SCALE   | = 20,0000 * / in. |
| PLotted DATE | = 4/11/2023       |

|          |   |
|----------|---|
| DESIGNED | - |
| DRAWN    | - |
| CHECKED  | - |
| DATE     | - |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

SCALE: SHEET 5 OF 22 SHEETS STA. 44+00.00 TO STA. 46+00.00

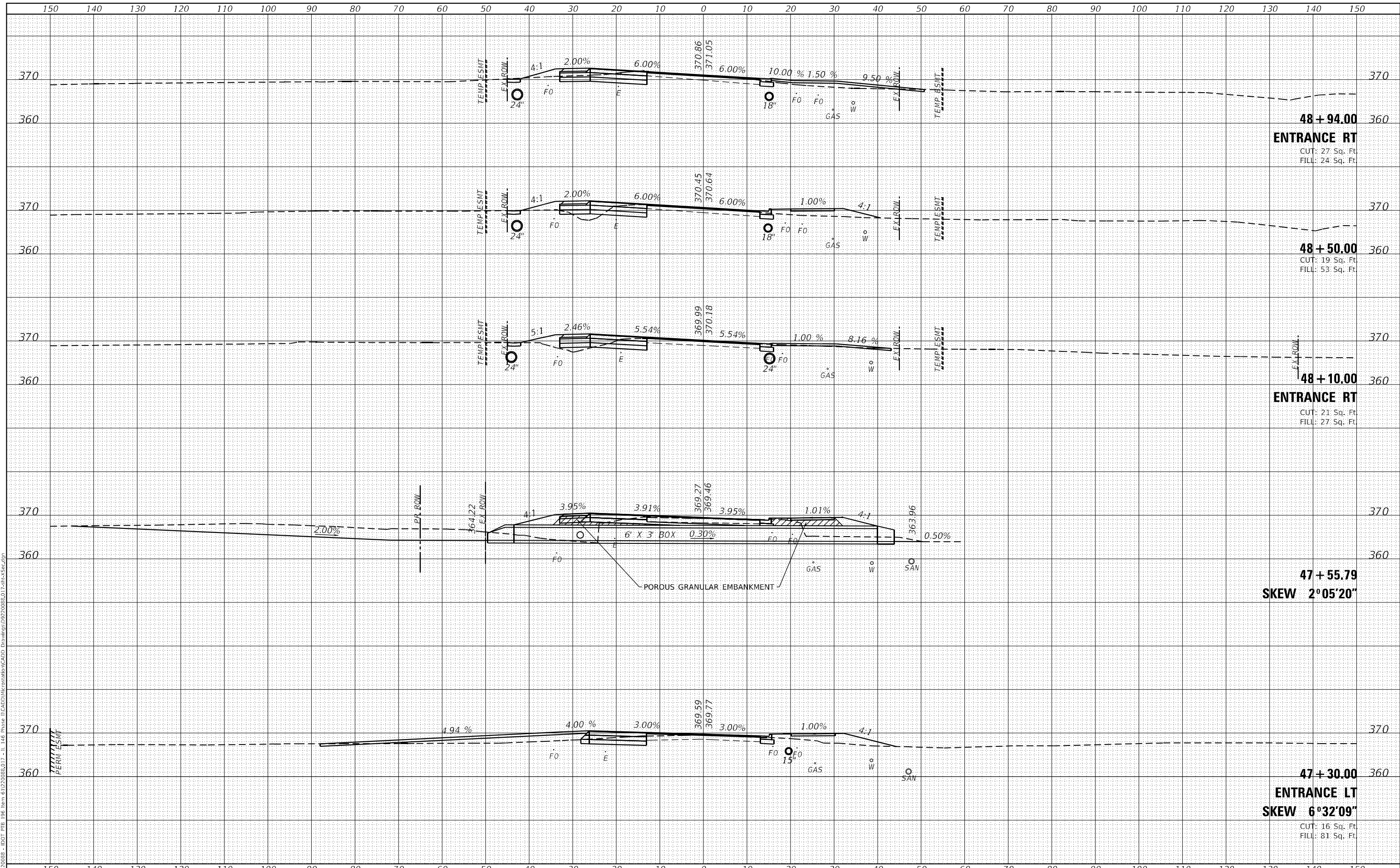
|             |               |         |              |                           |
|-------------|---------------|---------|--------------|---------------------------|
| F.A.P. RTE. | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO.                 |
| 885         | 110(W-2,RS-5) | JOHNSON | 159          | 126                       |
|             |               |         |              | CONTRACT NO. 78524        |
|             |               |         |              | ILLINOIS FED. AID PROJECT |



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

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

MODEL: Defn.rvt  
 FILE NAME: H:\222088 - IDOT PTB 146 Item 61222088.D17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.shc-15sec.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = roshan.pokhrel  | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 4/11/2023       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

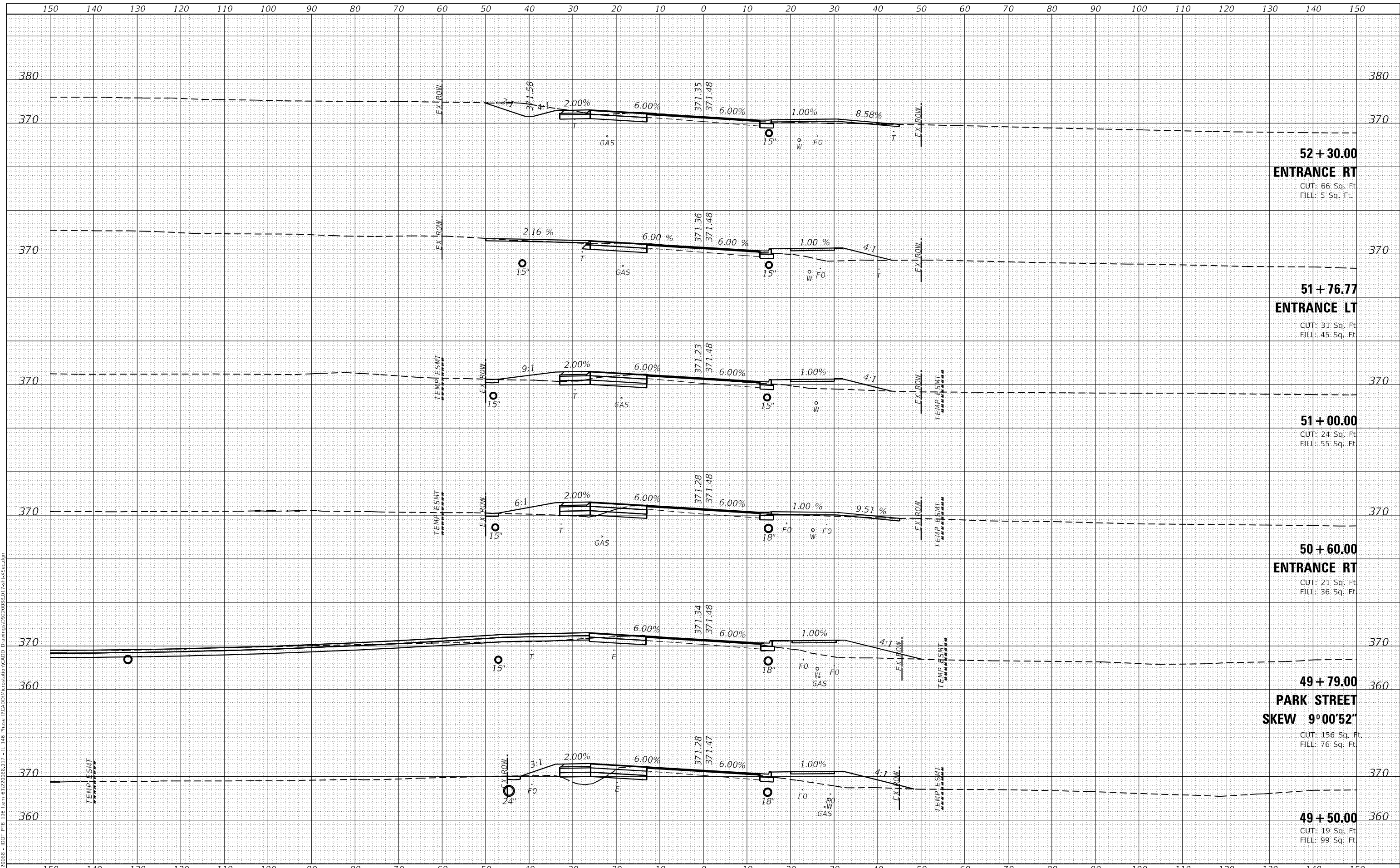
|  |                      |
|--|----------------------|
| <b>CROSS SECTIONS<br/>IL ROUTE 146</b> |                      |
| SCALE:                                 | SHEET 6 OF 22 SHEETS |
| STA. 46+50.00                          | TO STA. 48+94.00     |

|                    |                       |                |                           |               |
|--------------------|-----------------------|----------------|---------------------------|---------------|
| F.A.P. RTE. 885    | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159          | SHEET NO. 127 |
| CONTRACT NO. 78524 |                       |                | ILLINOIS FED. AID PROJECT |               |

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

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

MODEL: Defn\hr  
 FILE NAME: H:\220808 - IDOT PTB - I14 Phase II\CADD\MicroStation\CADD Drawings\992008\017.shc\Xsec.dgn



**52 + 30.00**  
**ENTRANCE RT**  
 CUT: 66 Sq. Ft.  
 FILL: 5 Sq. Ft.

**51 + 76.77**  
**ENTRANCE LT**  
 CUT: 31 Sq. Ft.  
 FILL: 45 Sq. Ft.

**51 + 00.00**  
 CUT: 24 Sq. Ft.  
 FILL: 55 Sq. Ft.

**50 + 60.00**  
**ENTRANCE RT**  
 CUT: 21 Sq. Ft.  
 FILL: 36 Sq. Ft.

**49 + 79.00**  
**PARK STREET**  
**SKEW 9°00'52"**  
 CUT: 156 Sq. Ft.  
 FILL: 76 Sq. Ft.

**49 + 50.00**  
 CUT: 19 Sq. Ft.  
 FILL: 99 Sq. Ft.



|                            |
|----------------------------|
| USER NAME = roshan.pokhrel |
| PLOT SCALE = 20,000' / in. |
| PLOT DATE = 4/11/2023      |

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| DESIGNED - |
| DRAWN -    |
| CHECKED -  |
| DATE -     |

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| REVISED - |
| REVISED - |
| REVISED - |
| REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 146**

SCALE: SHEET 7 OF 22 SHEETS STA. 49+50.00 TO STA. 51+76.77

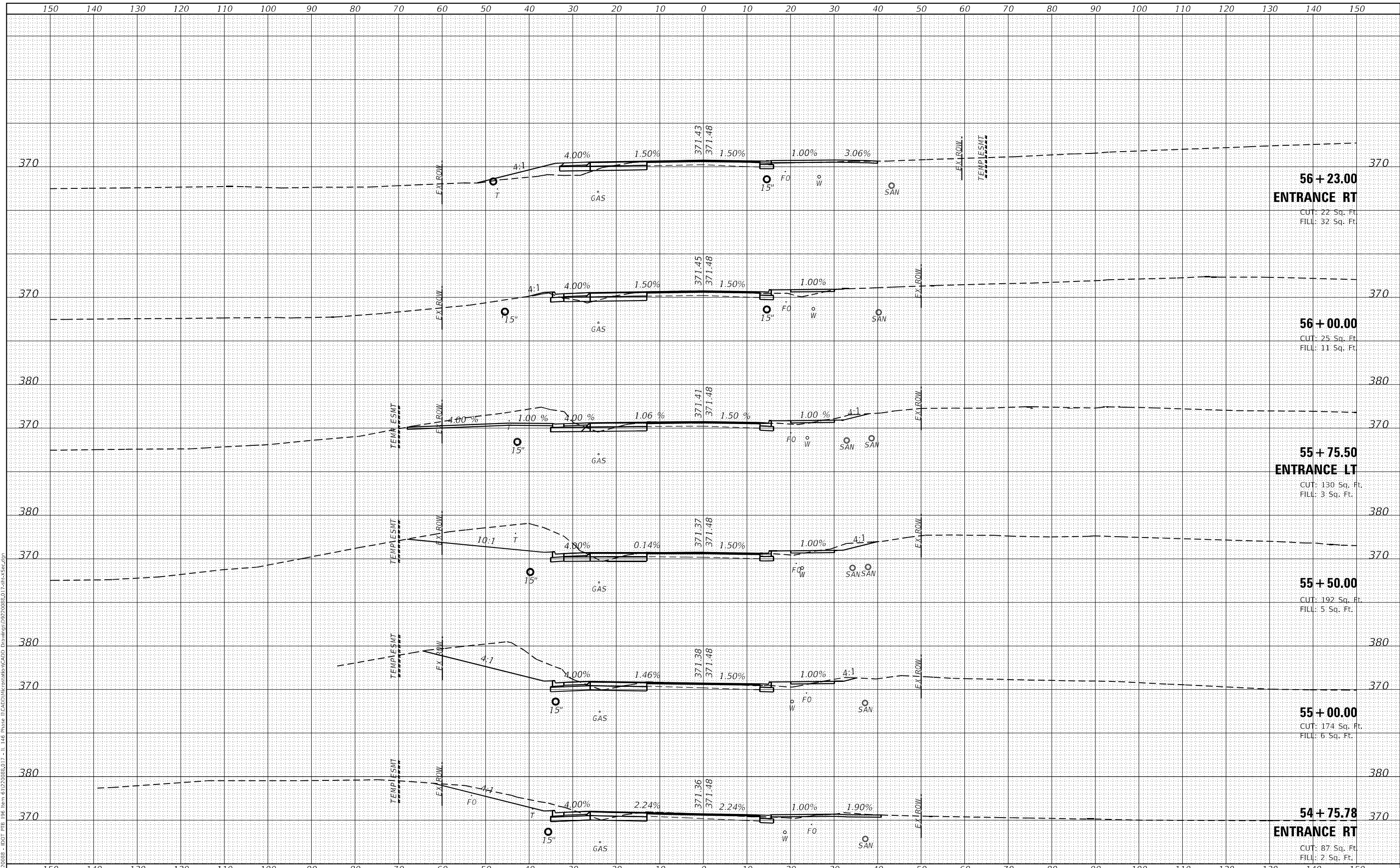
|                    |                       |                |                  |                           |
|--------------------|-----------------------|----------------|------------------|---------------------------|
| F.A.P. RTE. 885    | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159 | SHEET NO. 128             |
| CONTRACT NO. 78524 |                       |                |                  | ILLINOIS FED. AID PROJECT |



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

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

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 FILE NAME: H:\220808 - IDOT - PB 146 Item 61220808.D17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc-5sec.dgn



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|-----------|------------------|
| USER NAME | = roshan.pokhrel |
| DESIGNED  | -                |
| DRAWN     | -                |
| CHECKED   | -                |
| DATE      | -                |
| REVISIONS |                  |
| NO.       |                  |
| DATE      |                  |
| BY        |                  |
| REASON    |                  |

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|-----------|---|
| DESIGNED  | - |
| DRAWN     | - |
| CHECKED   | - |
| DATE      | - |
| REVISIONS |   |
| NO.       |   |
| DATE      |   |
| BY        |   |
| REASON    |   |

|           |   |
|-----------|---|
| DESIGNED  | - |
| DRAWN     | - |
| CHECKED   | - |
| DATE      | - |
| REVISIONS |   |
| NO.       |   |
| DATE      |   |
| BY        |   |
| REASON    |   |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

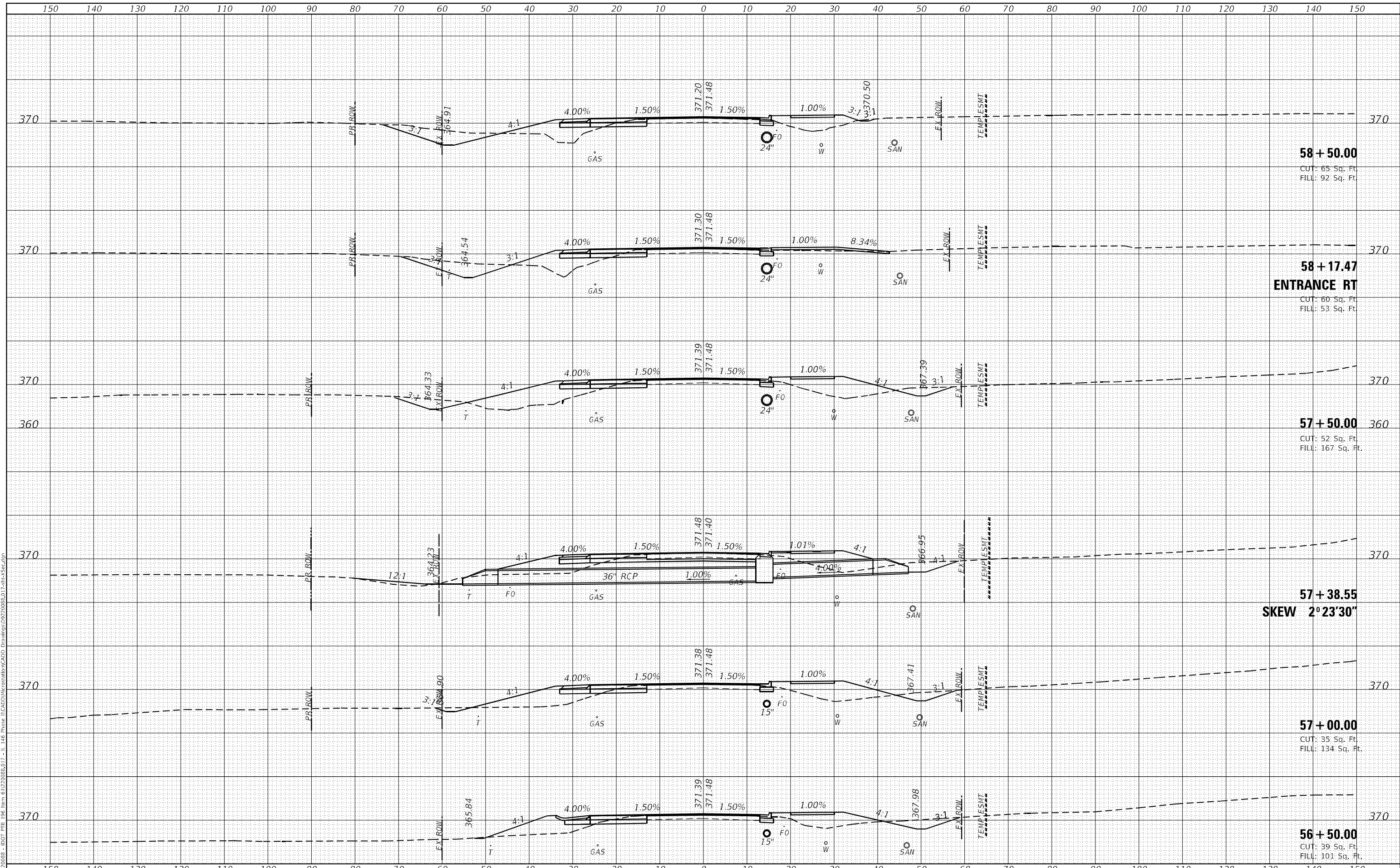
|  |                      |
|--|----------------------|
| <b>CROSS SECTIONS<br/>IL ROUTE 146</b> |                      |
| SCALE:                                 | SHEET 9 OF 22 SHEETS |
| STA. 54+50.00                          | TO STA. 56+00.00     |

|                    |               |         |                           |           |
|--------------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885                | 110(W-2,RS-5) | JOHNSON | 159                       | 130       |
| CONTRACT NO. 78524 |               |         | 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 |

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 FILE NAME: H:\220808 - IDOT - PB - Item 61220808.D17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\0172shc-5sec.dgn



**58 + 50.00**  
 CUT: 65 Sq. Ft.  
 FILL: 92 Sq. Ft.

**58 + 17.47**  
**ENTRANCE RT**  
 CUT: 60 Sq. Ft.  
 FILL: 53 Sq. Ft.

**57 + 50.00**  
 CUT: 52 Sq. Ft.  
 FILL: 167 Sq. Ft.

**57 + 38.55**  
**SKEW 2°23'30"**

**57 + 00.00**  
 CUT: 35 Sq. Ft.  
 FILL: 134 Sq. Ft.

**56 + 50.00**  
 CUT: 39 Sq. Ft.  
 FILL: 101 Sq. Ft.



|             |                   |
|-------------|-------------------|
| USER NAME   | = roshan.pokhrel  |
| DESIGNED    | -                 |
| DRAWN       | -                 |
| PLLOT SCALE | = 20,0000 * / in. |
| PLLOT DATE  | = 4/11/2023       |

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|----------|---|
| DESIGNED | - |
| DRAWN    | - |
| CHECKED  | - |
| DATE     | - |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 146**

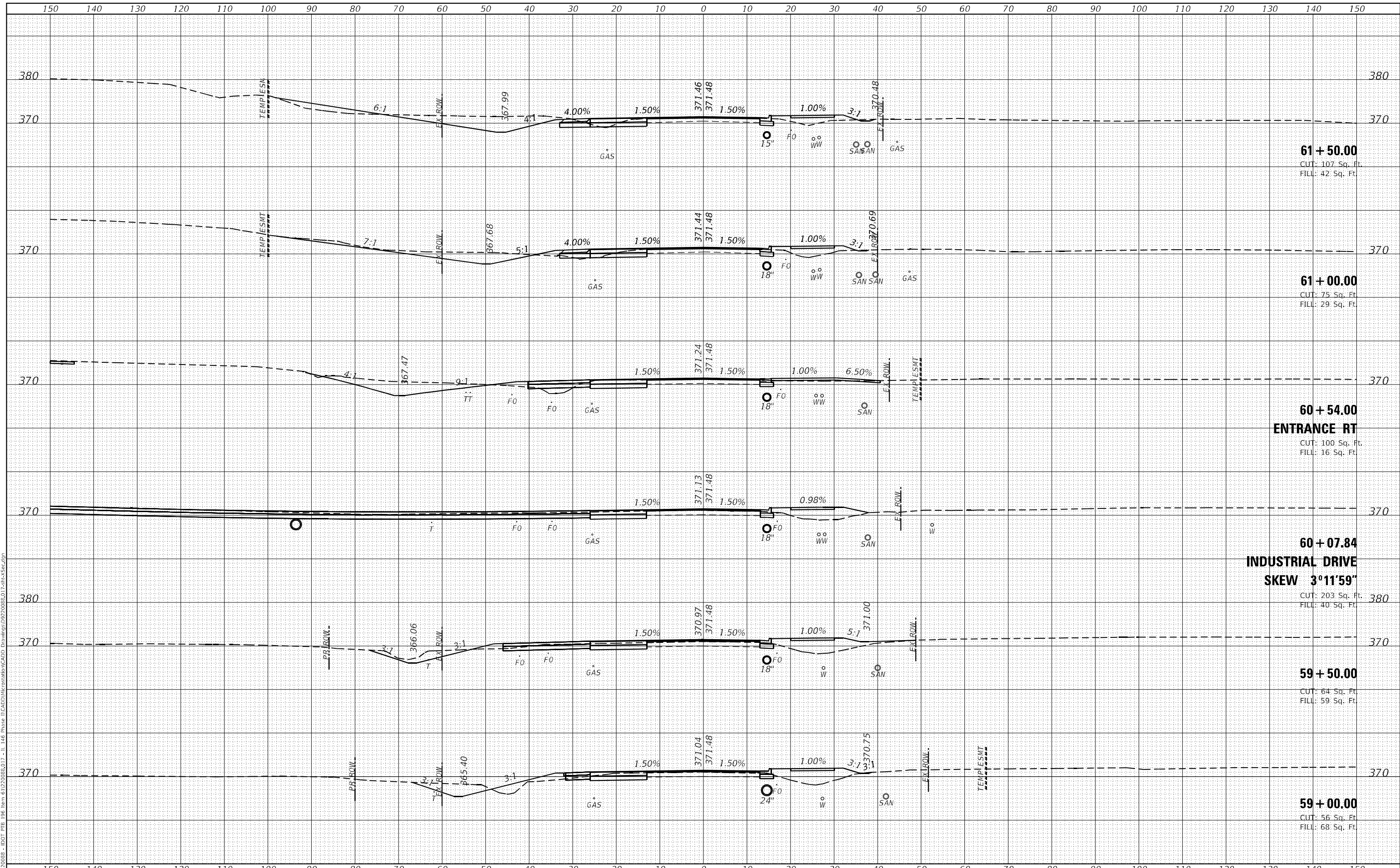
SCALE: SHEET 10 OF 22 SHEETS STA. 56+23.00 TO STA. 58+50.00

|             |               |         |                           |           |
|-------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE. | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885         | 110(W-2,RS-5) | JOHNSON | 159                       | 131       |
|             |               |         | CONTRACT NO. 78524        |           |
|             |               |         | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: Defn.rvt  
 FILE NAME: H:\2022088 - IDOT P1B 146 Item 6122088\017 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\9920088\017.shc\Xsec.dgn



**61 + 50.00**  
 CUT: 107 Sq. Ft.  
 FILL: 42 Sq. Ft.

**61 + 00.00**  
 CUT: 75 Sq. Ft.  
 FILL: 29 Sq. Ft.

**60 + 54.00**  
**ENTRANCE RT**  
 CUT: 100 Sq. Ft.  
 FILL: 16 Sq. Ft.

**60 + 07.84**  
**INDUSTRIAL DRIVE**  
**SKEW 3°11'59"**  
 CUT: 203 Sq. Ft.  
 FILL: 40 Sq. Ft.

**59 + 50.00**  
 CUT: 64 Sq. Ft.  
 FILL: 59 Sq. Ft.

**59 + 00.00**  
 CUT: 56 Sq. Ft.  
 FILL: 68 Sq. Ft.



|           |                  |
|-----------|------------------|
| USER NAME | = roshan.pokhrel |
| DESIGNED  | -                |
| DRAWN     | -                |
| CHECKED   | -                |
| DATE      | -                |
| REVISIONS | -                |
| NO.       | -                |
| DATE      | -                |

|           |   |
|-----------|---|
| DESIGNED  | - |
| DRAWN     | - |
| CHECKED   | - |
| DATE      | - |
| REVISIONS | - |
| NO.       | - |
| DATE      | - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 146**

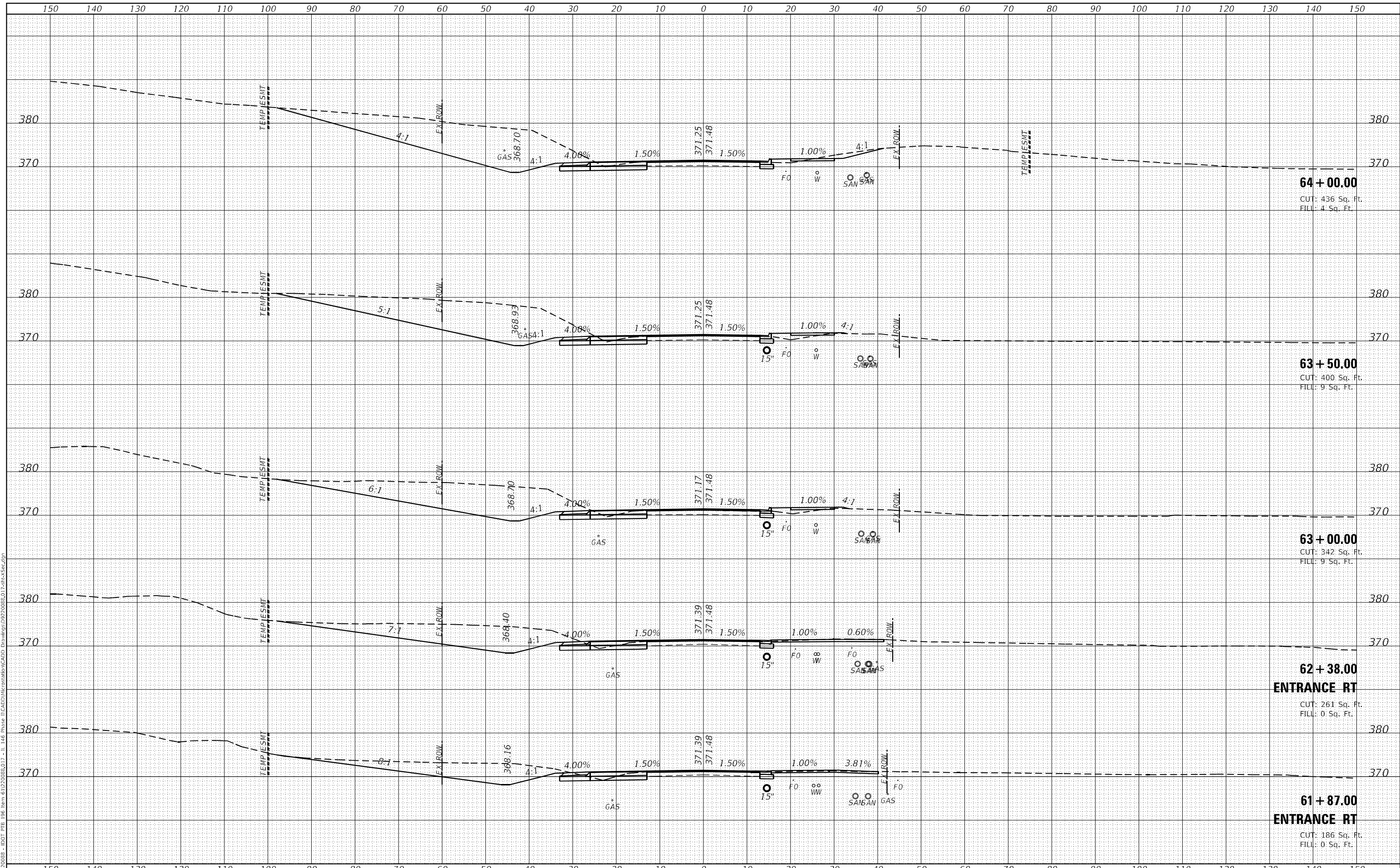
SCALE: SHEET 11 OF 22 SHEETS STA. 59+00.00 TO STA. 61+50.00

|                    |               |         |                           |           |
|--------------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885                | 110(W-2,RS-5) | JOHNSON | 159                       | 132       |
| CONTRACT NO. 78524 |               |         | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: DefInfr  
 FILE NAME: H:\220808 - IDOT P1B 196 Item 61220808.D17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc-Xsec.dgn



**64 + 00.00**  
 CUT: 436 Sq. Ft.  
 FILL: 4 Sq. Ft.

**63 + 50.00**  
 CUT: 400 Sq. Ft.  
 FILL: 9 Sq. Ft.

**63 + 00.00**  
 CUT: 342 Sq. Ft.  
 FILL: 9 Sq. Ft.

**62 + 38.00**  
**ENTRANCE RT**  
 CUT: 261 Sq. Ft.  
 FILL: 0 Sq. Ft.

**61 + 87.00**  
**ENTRANCE RT**  
 CUT: 186 Sq. Ft.  
 FILL: 0 Sq. Ft.



|             |                   |
|-------------|-------------------|
| USER NAME   | = roshan.pokhrel  |
| DESIGNED    | -                 |
| DRAWN       | -                 |
| PLLOT SCALE | = 20,0000 * / in. |
| CHECKED     | -                 |
| DATE        | = 4/11/2023       |

|        |   |
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| REVISD | - |
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 146**

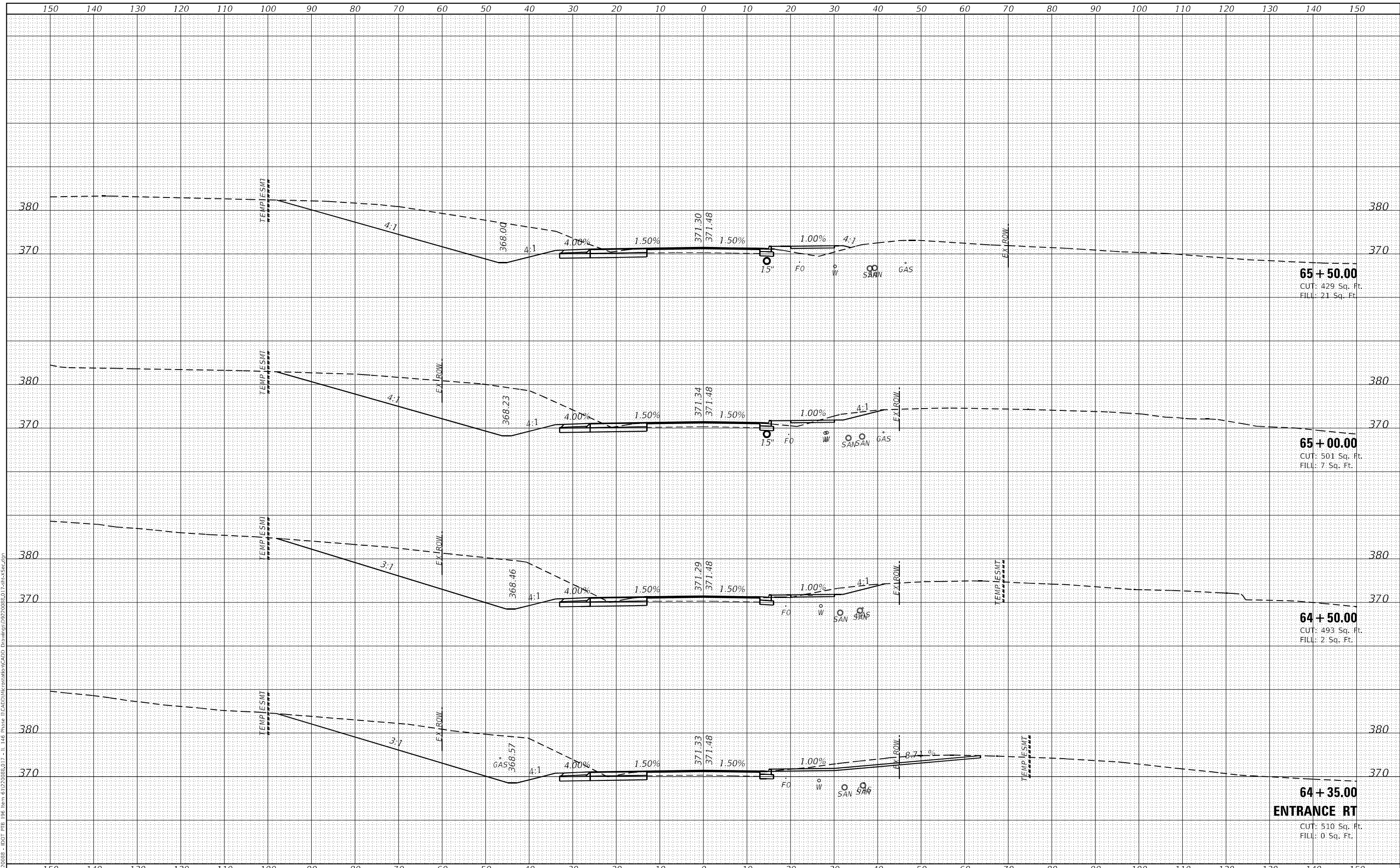
SCALE: SHEET 12 OF 22 SHEETS STA. 61+87.00 TO STA. 64+00.00

|                           |               |         |                    |           |
|---------------------------|---------------|---------|--------------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 133       |
|                           |               |         | CONTRACT NO. 78524 |           |
| ILLINOIS FED. AID PROJECT |               |         |                    |           |

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

|                     |               |      |
|---------------------|---------------|------|
| ORIGINAL SURVEY NO. | SURVEYED      | DATE |
|                     | PLOTTED       |      |
|                     | TEMPLATE      |      |
|                     | AREAS CHECKED |      |

MODEL: DefIntr  
 FILE NAME: H:\22088 - IDOT PTB 146 Item 6122088\17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.shc-Xsec.dgn



**65 + 50.00**  
 CUT: 429 Sq. Ft.  
 FILL: 21 Sq. Ft.

**65 + 00.00**  
 CUT: 501 Sq. Ft.  
 FILL: 7 Sq. Ft.

**64 + 50.00**  
 CUT: 493 Sq. Ft.  
 FILL: 2 Sq. Ft.

**64 + 35.00**  
**ENTRANCE RT**  
 CUT: 510 Sq. Ft.  
 FILL: 0 Sq. Ft.



USER NAME = roshan.pokhrel  
 PLOT SCALE = 20,0000 \* / in.  
 PLOT DATE = 4/11/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

SCALE: SHEET 13 OF 22 SHEETS STA. 64+28.00 TO STA. 65+50.00

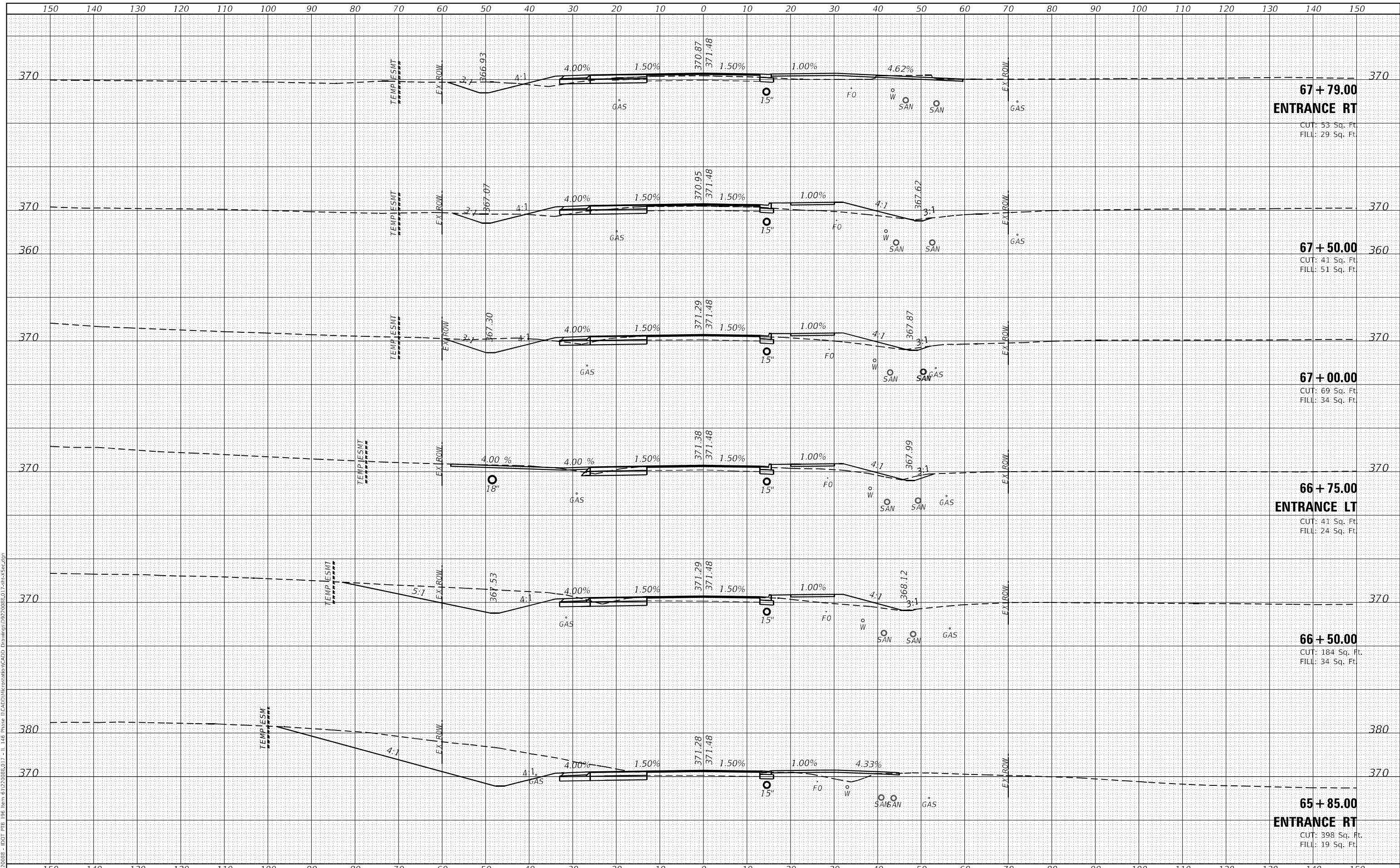
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------------|---------|--------------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 134       |
|                           |               |         | CONTRACT NO. 78524 |           |
| ILLINOIS FED. AID PROJECT |               |         |                    |           |



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

|                     |               |      |
|---------------------|---------------|------|
| ORIGINAL SURVEY NO. | SURVEYED      | DATE |
|                     | PLOTTED       | BY   |
|                     | AREAS CHECKED |      |
|                     | AREAS CHECKED |      |

MODEL: Defn\hr  
 FILE NAME: H:\220808 - IDOT P1B 146 Item 61220808.D17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc-5sec.dgn



**67 + 79.00**  
**ENTRANCE RT**  
 CUT: 53 Sq. Ft.  
 FILL: 29 Sq. Ft.

**67 + 50.00**  
 CUT: 41 Sq. Ft.  
 FILL: 51 Sq. Ft.

**67 + 00.00**  
 CUT: 69 Sq. Ft.  
 FILL: 34 Sq. Ft.

**66 + 75.00**  
**ENTRANCE LT**  
 CUT: 41 Sq. Ft.  
 FILL: 24 Sq. Ft.

**66 + 50.00**  
 CUT: 184 Sq. Ft.  
 FILL: 34 Sq. Ft.

**65 + 85.00**  
**ENTRANCE RT**  
 CUT: 398 Sq. Ft.  
 FILL: 19 Sq. Ft.



|                              |
|------------------------------|
| USER NAME = roshan.pokhrel   |
| DESIGNED -                   |
| DRAWN -                      |
| PLLOT SCALE = 20,0000' / in. |
| CHECKED -                    |
| DATE -                       |
| REVISD -                     |
| REVISD -                     |
| REVISD -                     |
| REVISD -                     |
| REVISD -                     |

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 146**

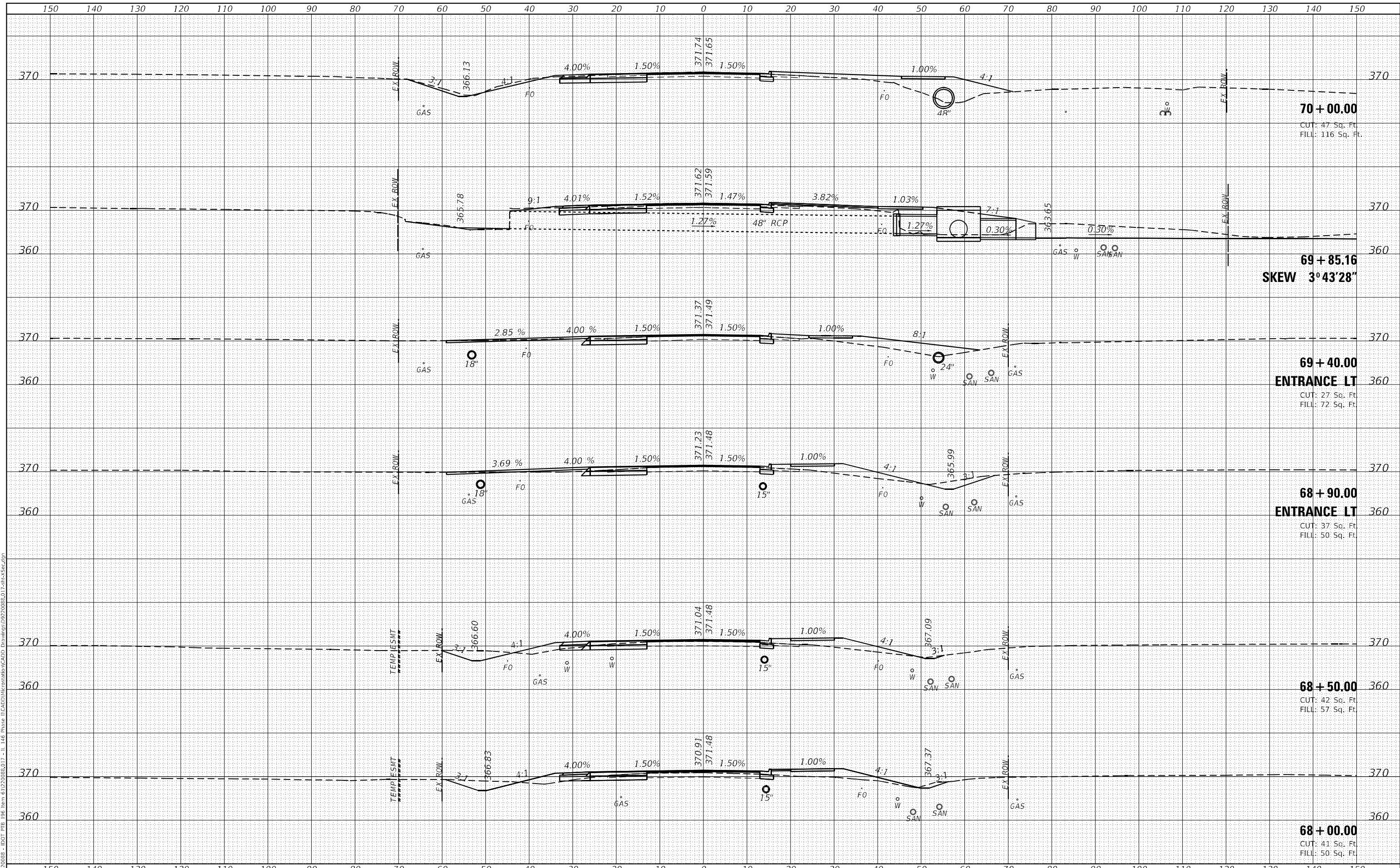
SCALE: SHEET 14 OF 22 SHEETS STA. 65+85.00 TO STA. 67+79.00

|                    |                       |                |                           |               |
|--------------------|-----------------------|----------------|---------------------------|---------------|
| F.A.P. RTE. 885    | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159          | SHEET NO. 135 |
| CONTRACT NO. 78524 |                       |                | ILLINOIS FED. AID PROJECT |               |

|               |  |
|---------------|--|
| DATE          |  |
| BY            |  |
| SURVEYED      |  |
| PLOTTED       |  |
| TEMPLATE      |  |
| NOTE BOOK     |  |
| AREAS CHECKED |  |

|               |  |
|---------------|--|
| DATE          |  |
| BY            |  |
| SURVEYED      |  |
| PLOTTED       |  |
| TEMPLATE      |  |
| NOTE BOOK     |  |
| AREAS CHECKED |  |

MODEL: Definit  
 FILE NAME: H:\220808 - IDOT - PB 196 Item 61220808.D17 - II\_146 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc-Xsec.dgn



USER NAME = roshan.pokhrel  
 DESIGNED -  
 DRAWN -  
 PLOT SCALE = 20,0000 \* / in.  
 CHECKED -  
 DATE = 4/11/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

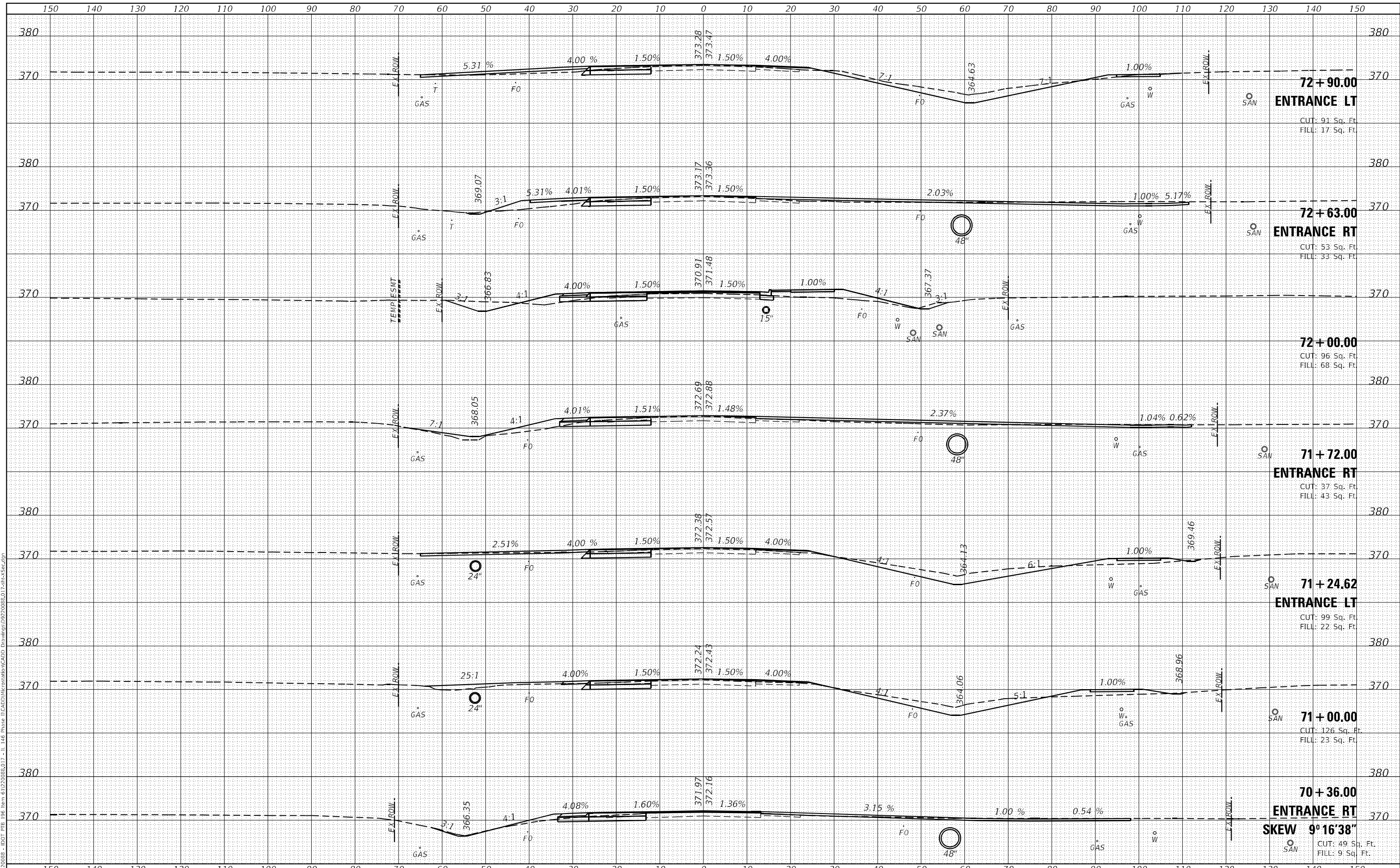
SCALE: SHEET 15 OF 22 SHEETS STA. 68+19.94 TO STA. 70+00.00

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------------|---------|--------------------|-----------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 136       |
|                           |               |         | CONTRACT NO. 78524 |           |
| 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: Definitive  
 FILE NAME: H:\22088 - IDOT P1B - I14 Phase II\CADD\MicroStation\CADD Drawings\992008\017.shc\Xsec.dgn



|           |                  |   |
|-----------|------------------|---|
| USER NAME | = roshan.pokhrel |   |
| DESIGNED  | -                |   |
| DRAWN     | -                |   |
| CHECKED   | -                |   |
| DATE      | -                |   |
| REVISIONS |                  |   |
| 1         | REVISION         | - |
| 2         | REVISION         | - |
| 3         | REVISION         | - |
| 4         | REVISION         | - |

|           |                      |
|-----------|----------------------|
| SCALE     | = 20,000' = 1" / in. |
| PLOT DATE | = 4/11/2023          |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

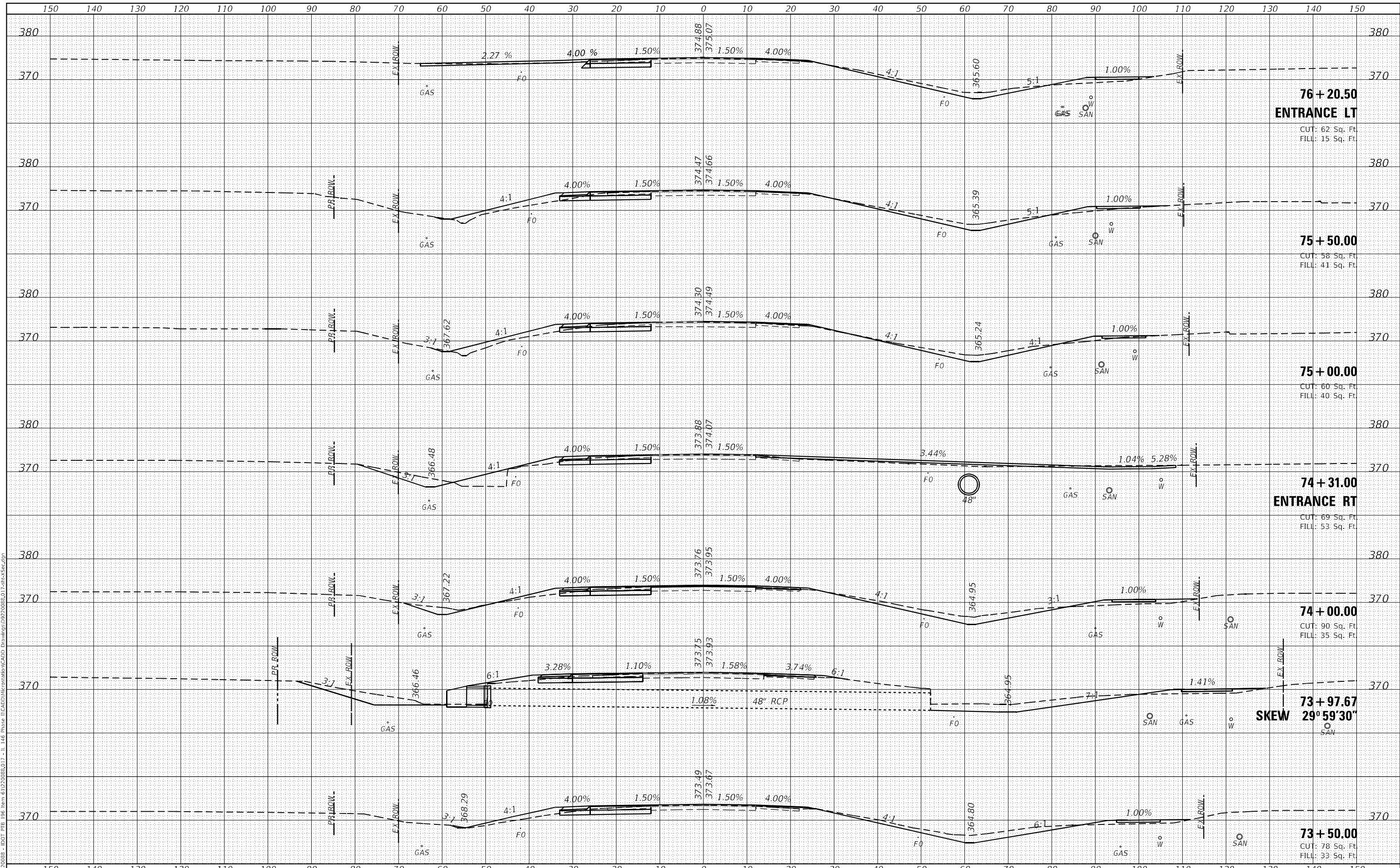
|  |                       |
|--|-----------------------|
| <b>CROSS SECTIONS<br/>IL ROUTE 146</b> |                       |
| SCALE:                                 | SHEET 16 OF 22 SHEETS |
| STA. 70+28.74                          | TO STA. 72+90.00      |

|                    |               |         |                           |           |
|--------------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885                | 110(W-2,RS-5) | JOHNSON | 159                       | 137       |
| CONTRACT NO. 78524 |               |         | 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:\m\h\h  
 FILE NAME: H:\22088 - IDOT P18 - I146 Phase II\CADD\MicroStation\CADD Drawings\932008\017.sht-Xsec.dgn



**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = roshan.pokhrel   | DESIGNED - | REVISED - |
| PLOT SCALE = 20,000 * 1/ in. | DRAWN -    | REVISED - |
| PLOT DATE = 4/11/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

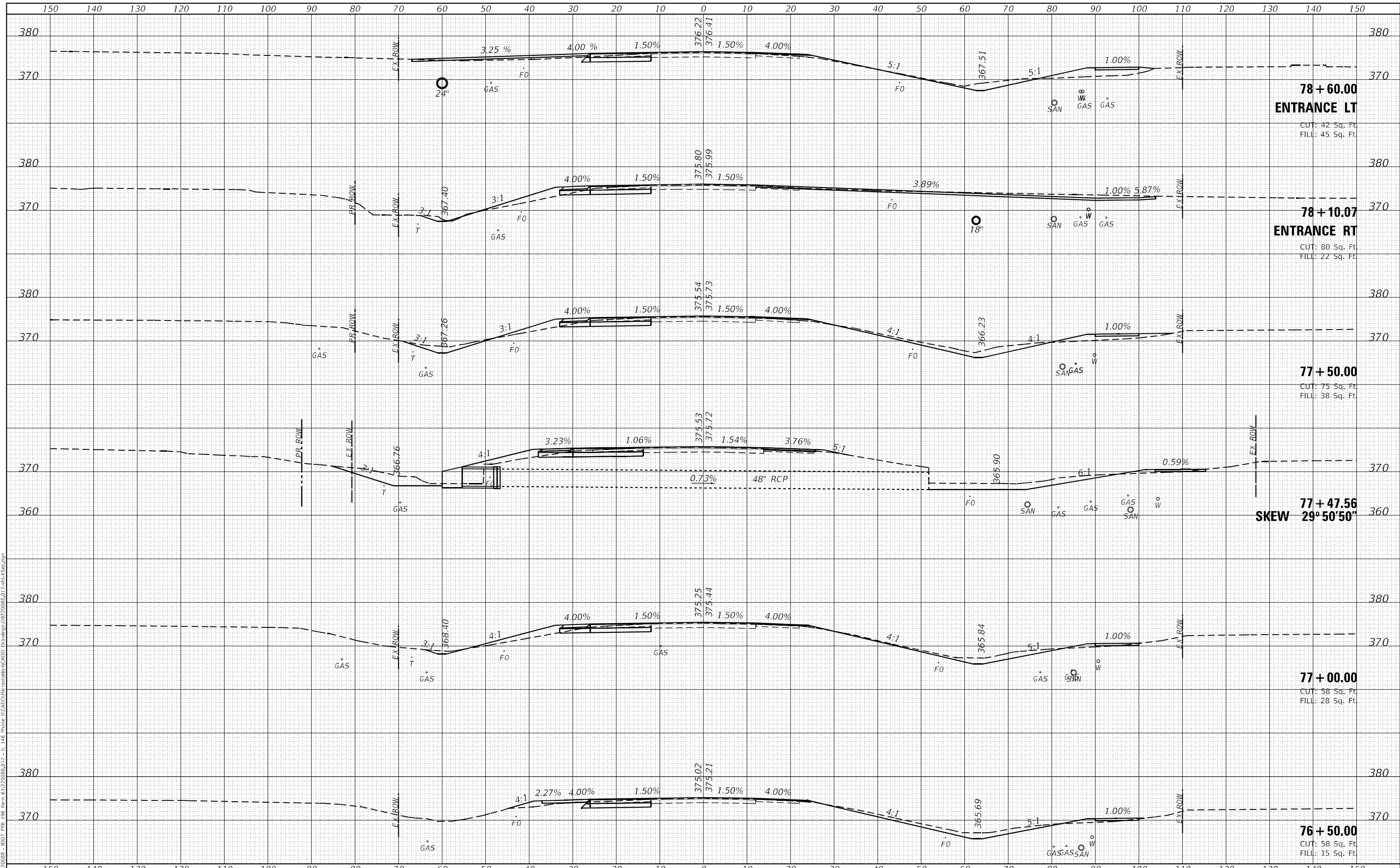
|  |                                |
|--|--------------------------------|
| <b>CROSS SECTIONS<br/>IL ROUTE 146</b> |                                |
| SCALE:                                 | SHEET 17 OF 22 SHEETS          |
|  | STA. 73+50.00 TO STA. 76+20.43 |

| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO.          |
|---------------------------|---------------|---------|--------------|--------------------|
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 138                |
|                           |               |         |              | CONTRACT NO. 78524 |
| ILLINOIS FED. AID PROJECT |               |         |              |                    |

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

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

MODEL: D:\inr\...  
 FILE NAME: H:\220808 - IDOT PB 146 Item 61220808.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc-15sec.dgn



**78 + 60.00**  
**ENTRANCE LT**  
 CUT: 42 Sq. Ft.  
 FILL: 45 Sq. Ft.

**78 + 10.07**  
**ENTRANCE RT**  
 CUT: 80 Sq. Ft.  
 FILL: 22 Sq. Ft.

**77 + 50.00**  
 CUT: 75 Sq. Ft.  
 FILL: 38 Sq. Ft.

**77 + 47.56**  
**SKEW 29° 50' 50"**

**77 + 00.00**  
 CUT: 58 Sq. Ft.  
 FILL: 28 Sq. Ft.

**76 + 50.00**  
 CUT: 58 Sq. Ft.  
 FILL: 15 Sq. Ft.



|             |                   |
|-------------|-------------------|
| USER NAME   | = roshan.pokhrel  |
| DESIGNED    | -                 |
| DRAWN       | -                 |
| PLLOT SCALE | = 20,0000 * / in. |
| PLLOT DATE  | = 4/11/2023       |

|          |   |
|----------|---|
| DESIGNED | - |
| DRAWN    | - |
| CHECKED  | - |
| DATE     | - |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 146**

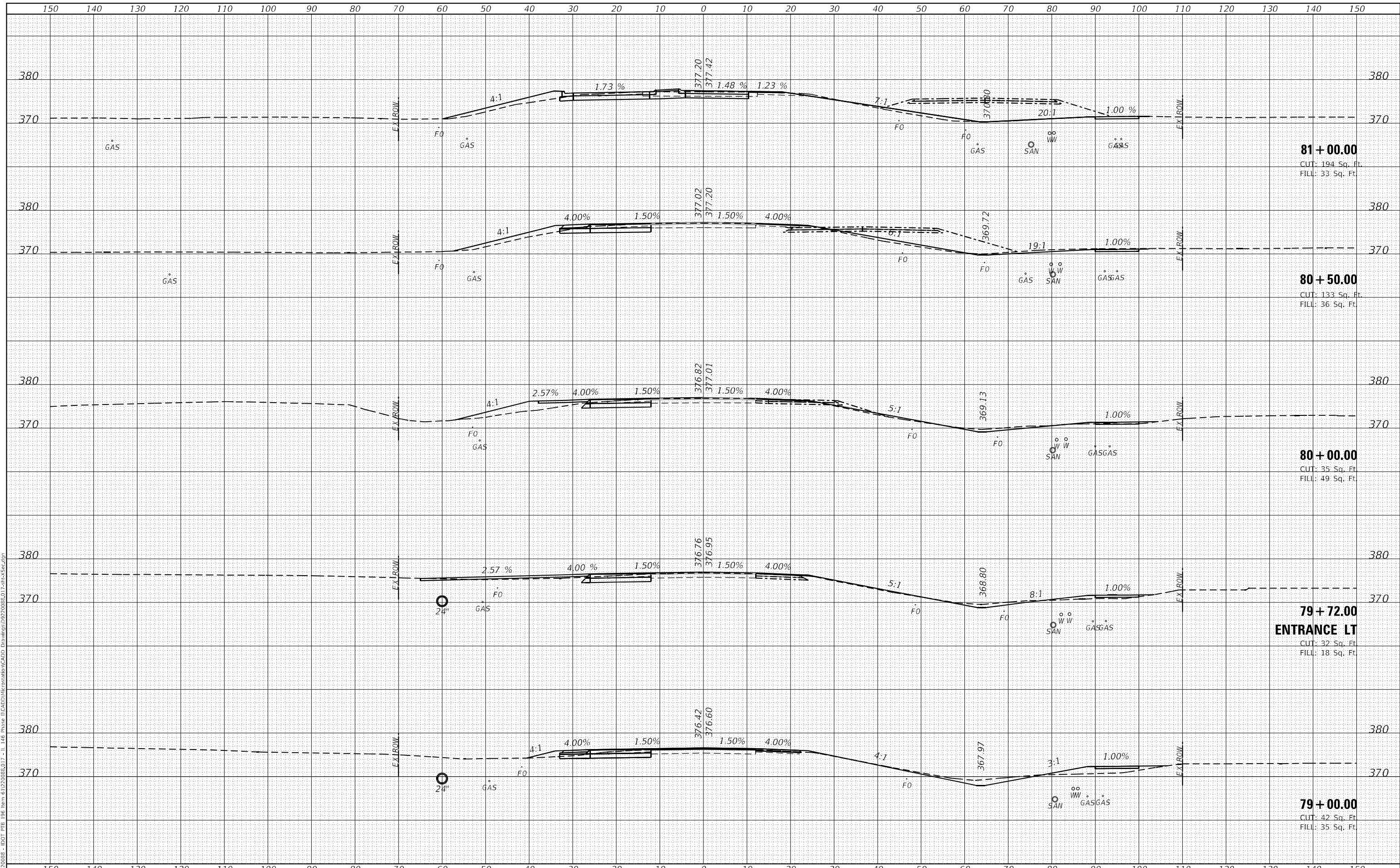
SCALE: SHEET 18 OF 22 SHEETS STA. 76+50.00 TO STA. 78+60.00

|                           |               |         |                    |           |
|---------------------------|---------------|---------|--------------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 139       |
|                           |               |         | CONTRACT NO. 78524 |           |
| 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: Defn\hr  
 FILE NAME: H:\222088 - IDOT PTB 196 Item 61222088\17 - IL 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.rch\Xsec.dgn



**81 + 00.00**  
 CUT: 194 Sq. Ft.  
 FILL: 33 Sq. Ft.

**80 + 50.00**  
 CUT: 133 Sq. Ft.  
 FILL: 36 Sq. Ft.

**80 + 00.00**  
 CUT: 35 Sq. Ft.  
 FILL: 49 Sq. Ft.

**79 + 72.00**  
**ENTRANCE LT**  
 CUT: 32 Sq. Ft.  
 FILL: 18 Sq. Ft.

**79 + 00.00**  
 CUT: 42 Sq. Ft.  
 FILL: 35 Sq. Ft.



|           |                  |
|-----------|------------------|
| USER NAME | = roshan.pokhrel |
| DESIGNED  | -                |
| DRAWN     | -                |
| CHECKED   | -                |
| DATE      | -                |
| REVISIONS |                  |
| 1         | REVISIONS        |
| 2         | REVISIONS        |
| 3         | REVISIONS        |
| 4         | REVISIONS        |

|           |           |
|-----------|-----------|
| DESIGNED  | -         |
| DRAWN     | -         |
| CHECKED   | -         |
| DATE      | -         |
| REVISIONS |           |
| 1         | REVISIONS |
| 2         | REVISIONS |
| 3         | REVISIONS |
| 4         | REVISIONS |

|           |           |
|-----------|-----------|
| DESIGNED  | -         |
| DRAWN     | -         |
| CHECKED   | -         |
| DATE      | -         |
| REVISIONS |           |
| 1         | REVISIONS |
| 2         | REVISIONS |
| 3         | REVISIONS |
| 4         | REVISIONS |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

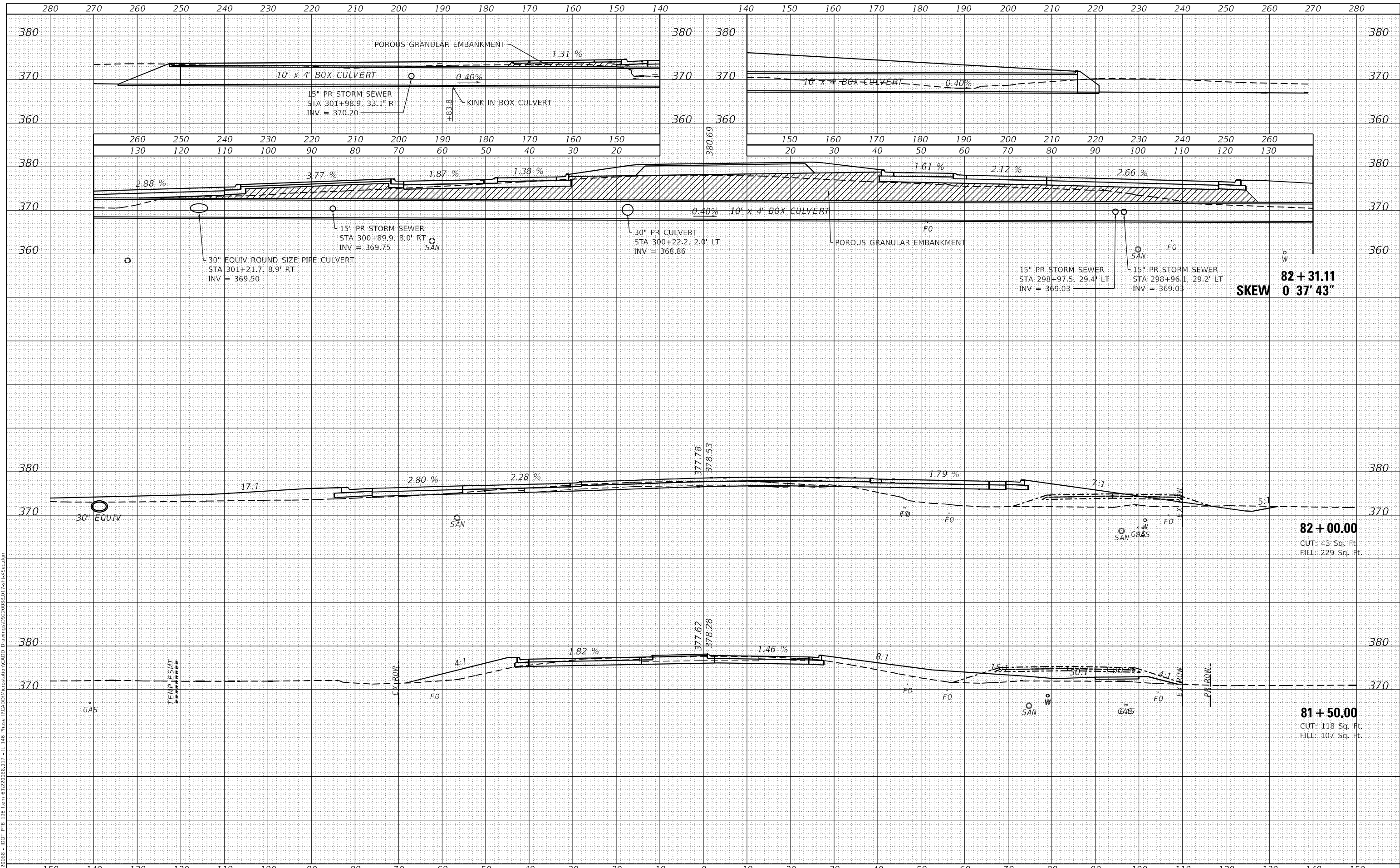
|                       |                       |
|-----------------------|-----------------------|
| <b>CROSS SECTIONS</b> |                       |
| <b>IL ROUTE 146</b>   |                       |
| SCALE:                | SHEET 19 OF 22 SHEETS |
| STA. 79+71.00         | TO STA. 81+00.00      |

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 140       |
|                           |               |         | CONTRACT NO. | 78524     |
| 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: Defn\air  
 FILE NAME: H:\220808 - IDOT P1B 146 Item 61220808.D17 - I\_146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.shc\Xsec.dgn



|                             |            |          |
|-----------------------------|------------|----------|
| USER NAME = roshan.pokhrel  | DESIGNED - | REVISD - |
|                             | DRAWN -    | REVISD - |
| PLOT SCALE = 20,0000' / in. | CHECKED -  | REVISD - |
| PLOT DATE = 4/11/2023       | DATE -     | REVISD - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

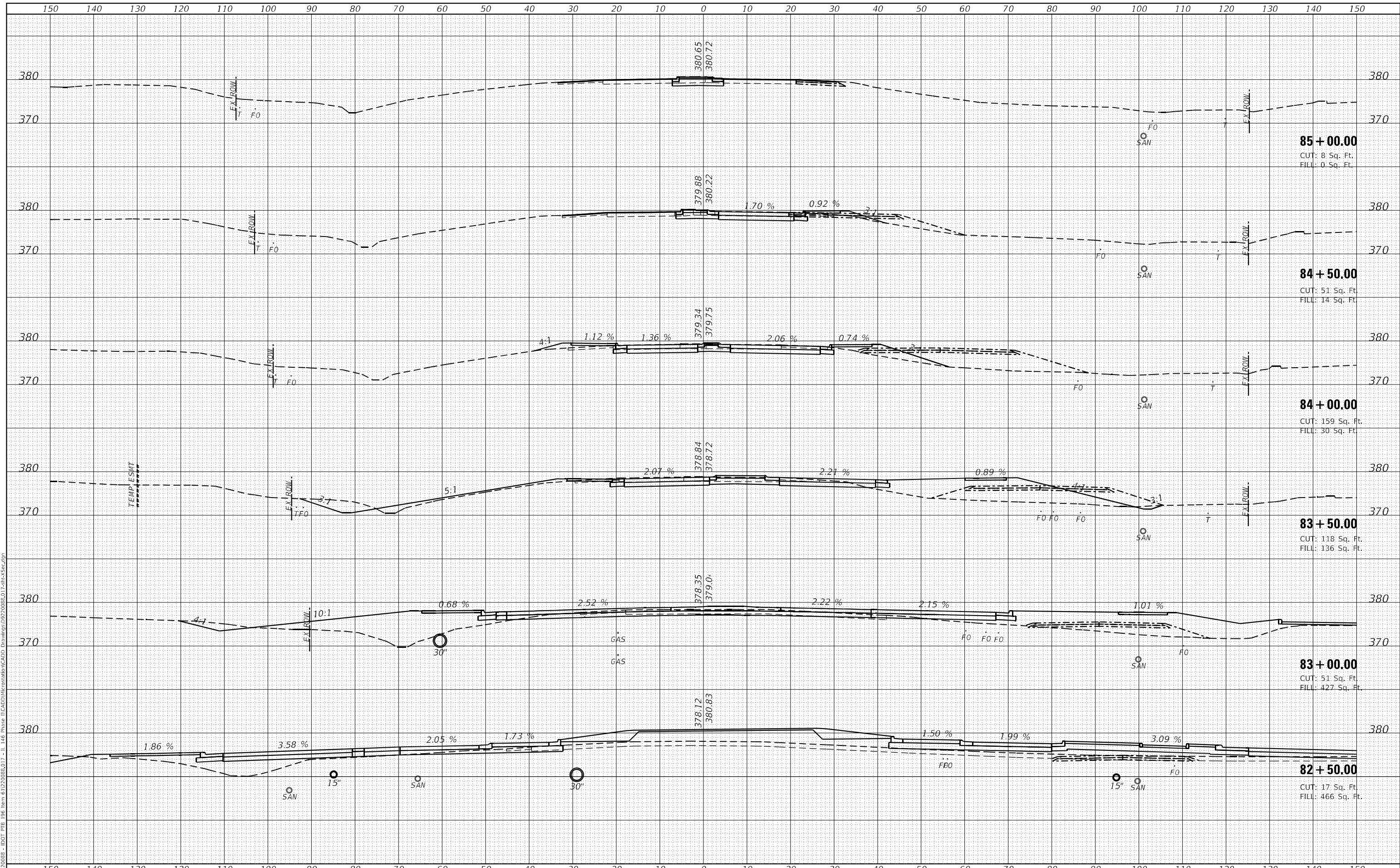
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|--|----------|--------------|--------------------------------|
| <b>CROSS SECTIONS<br/>IL ROUTE 146</b> |          |              |                                |
| SCALE:                                 | SHEET 20 | OF 22 SHEETS | STA. 81+50.00 TO STA. 83+50.00 |

|                           |                       |                |                    |               |
|---------------------------|-----------------------|----------------|--------------------|---------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 141 |
| ILLINOIS FED. AID PROJECT |                       |                | CONTRACT NO. 78524 |               |

|              |               |
|--------------|---------------|
| 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: DefIntr  
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|            |                  |
|------------|------------------|
| USER NAME  | = roshan.pokhrel |
| DESIGNED   | -                |
| DRAWN      | -                |
| CHECKED    | -                |
| DATE       | -                |
| PLOT SCALE | = 20,000' / in.  |
| PLOT DATE  | = 4/11/2023      |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |  |
|--|--|
| <b>CROSS SECTIONS<br/>IL ROUTE 146</b> |  |
| SCALE:                                 | SHEET 21 OF 22 SHEETS STA. 84+00.00 TO STA. 85+00.00 |

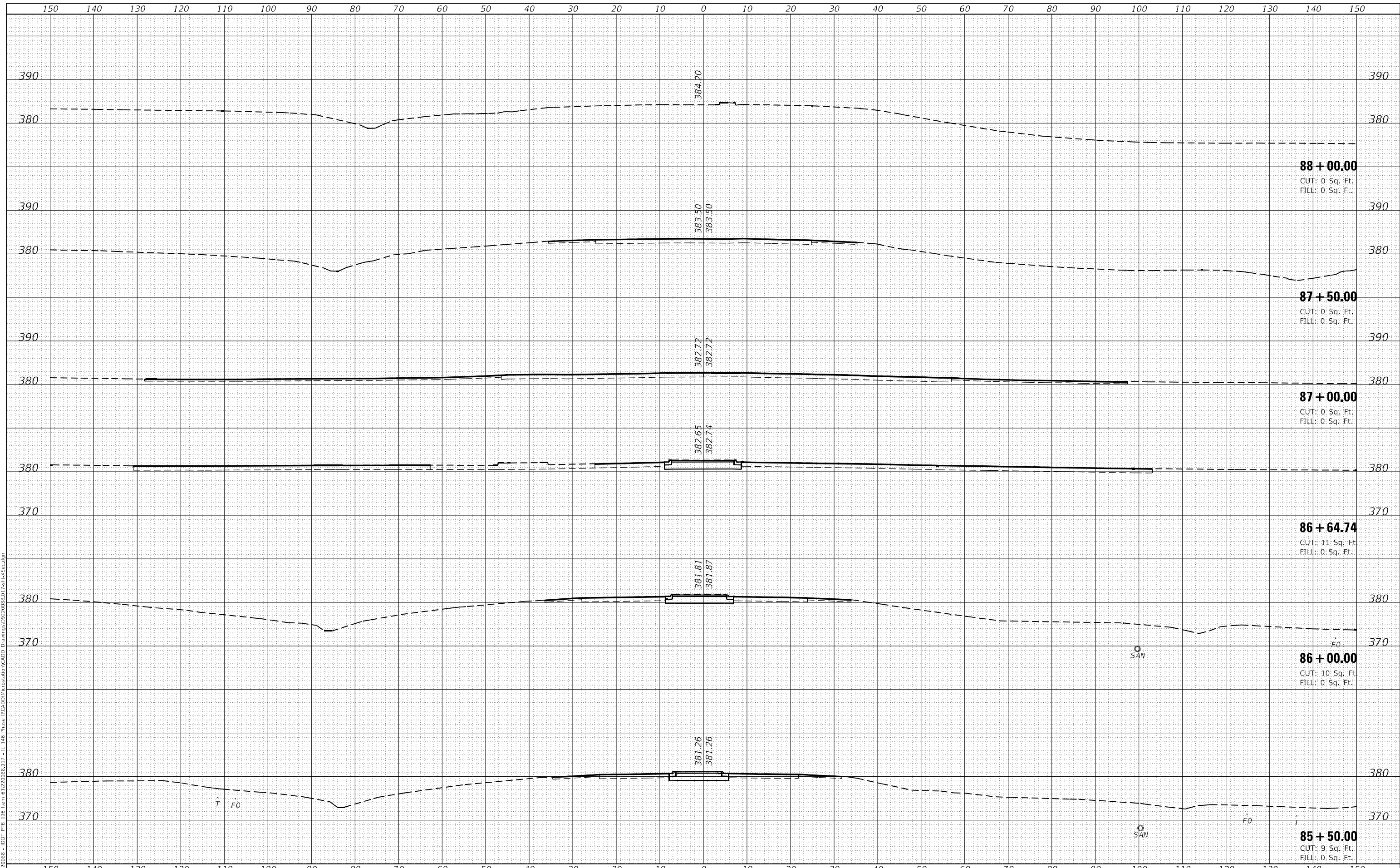
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|---------------------------|---------------|---------|--------------|--------------------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO.          |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 142                |
|                           |               |         |              | CONTRACT NO. 78524 |
| ILLINOIS FED. AID PROJECT |               |         |              |                    |



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

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

MODEL: Defn\hr  
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|                              |
|------------------------------|
| USER NAME = roshan.pokhrel   |
| PLOT SCALE = 20,0000 * / in. |
| PLOT DATE = 4/11/2023        |

|            |            |
|------------|------------|
| DESIGNED - | REVISIED - |
| DRAWN -    | REVISIED - |
| CHECKED -  | REVISIED - |
| DATE -     | REVISIED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 146**

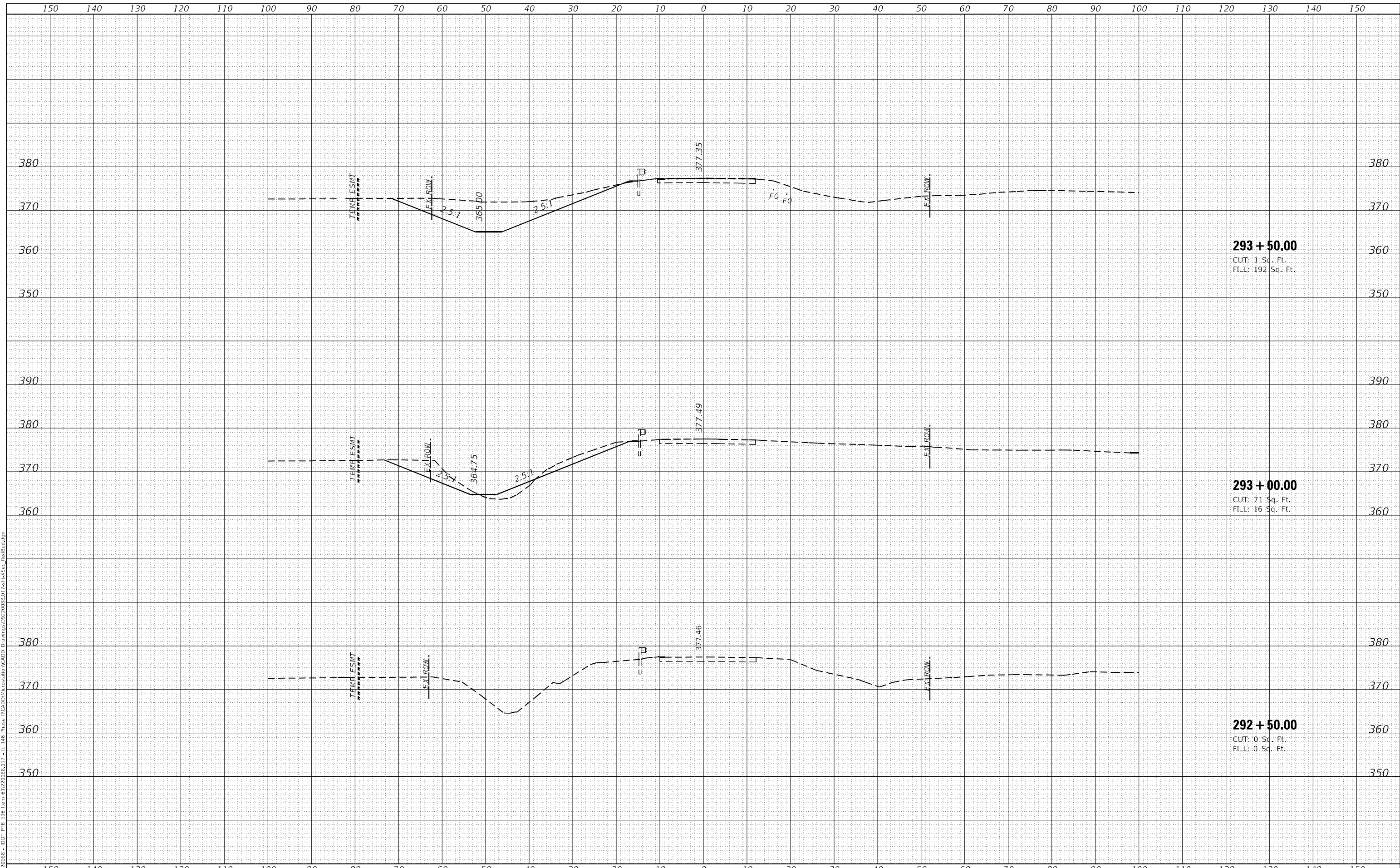
SCALE: SHEET 22 OF 22 SHEETS STA. 84+00.00 TO STA. 85+00.00

| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
|--------------------|---------------|---------|---------------------------|-----------|
| 885                | 110(W-2,RS-5) | JOHNSON | 159                       | 143       |
| CONTRACT NO. 78524 |               |         | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: D:\m\h\h  
 FILE NAME: H:\220808 - IDOT PTB 196 Item 61220808.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017-shc-XSec-RedBud.dgn



|                             |            |          |
|-----------------------------|------------|----------|
| USER NAME = roshan.pokhrel  | DESIGNED - | REVISD - |
| PLOT SCALE = 20,0000' / in. | DRAWN -    | REVISD - |
| PLOT DATE = 4/11/2023       | CHECKED -  | REVISD - |
|                             | DATE -     | REVISD - |

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

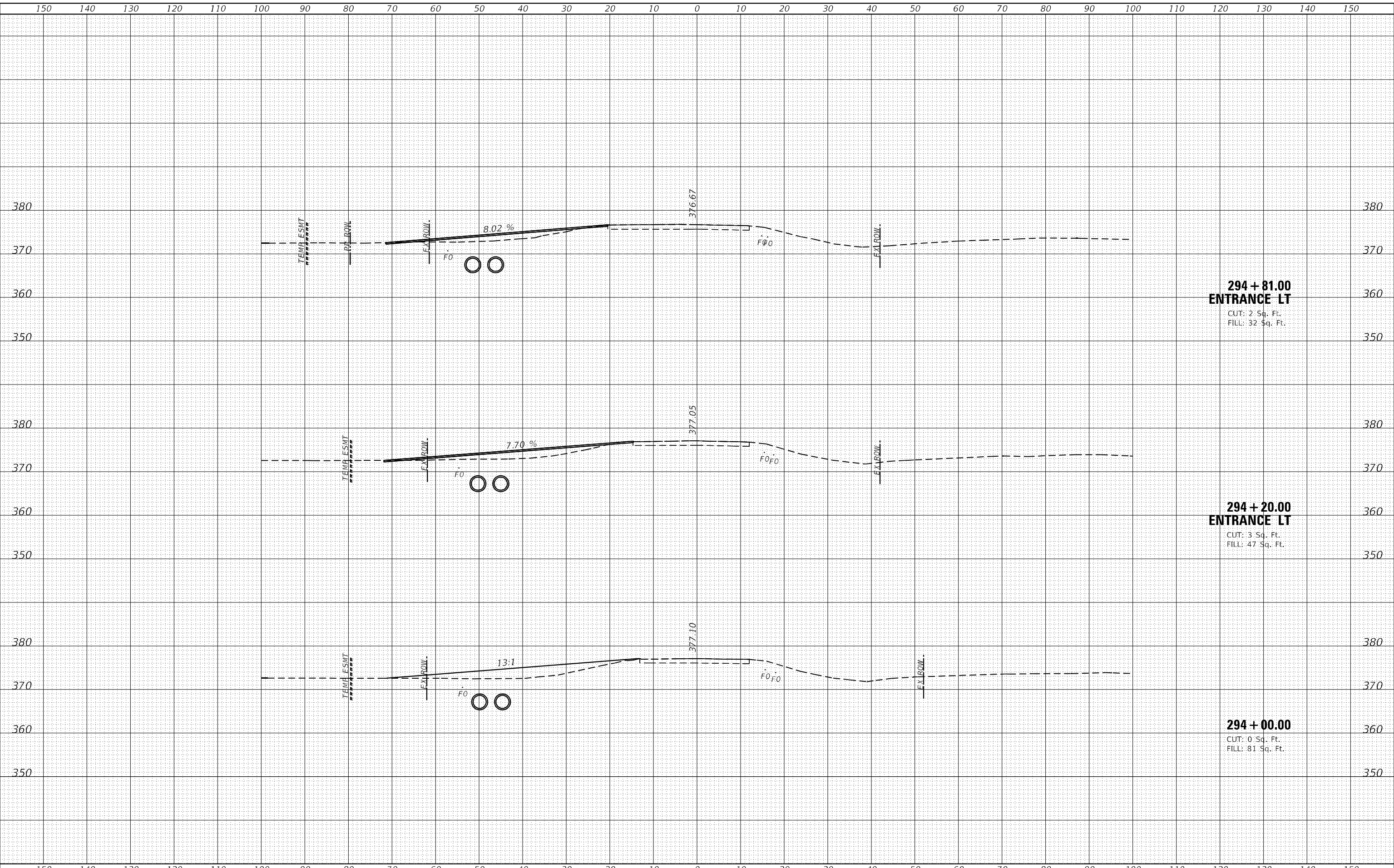
|   |                                  |
|---|----------------------------------|
| <b>CROSS SECTIONS</b>                     |                                  |
| <b>OLD METROPOLIS ROAD / RED BUD LANE</b> |                                  |
| SCALE:                                    | SHEET 1 OF 9 SHEETS              |
|   | STA. 292+50.00 TO STA. 293+50.00 |

|                           |                       |                |                    |               |
|---------------------------|-----------------------|----------------|--------------------|---------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 144 |
|                           |                       |                | CONTRACT NO. 78524 |               |
| ILLINOIS FED. AID PROJECT |                       |                |                    |               |

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

|                     |               |      |
|---------------------|---------------|------|
| ORIGINAL SURVEY NO. | SURVEYED      | DATE |
|                     | PLOTTED       |      |
|                     | TEMPLATE      |      |
|                     | AREAS CHECKED |      |

MODEL: Defn\hr  
 FILE NAME: H:\220808 - IDOT PTB 196 Item 61220808 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.shc\XSec\_RedBud.dgn



**294 + 81.00  
ENTRANCE LT**  
 CUT: 2 Sq. Ft.  
 FILL: 32 Sq. Ft.

**294 + 20.00  
ENTRANCE LT**  
 CUT: 3 Sq. Ft.  
 FILL: 47 Sq. Ft.

**294 + 00.00**  
 CUT: 0 Sq. Ft.  
 FILL: 81 Sq. Ft.



USER NAME = roshan.pokhrel  
 PLOT SCALE = 20,0000 \* / in.  
 PLOT DATE = 4/11/2023

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

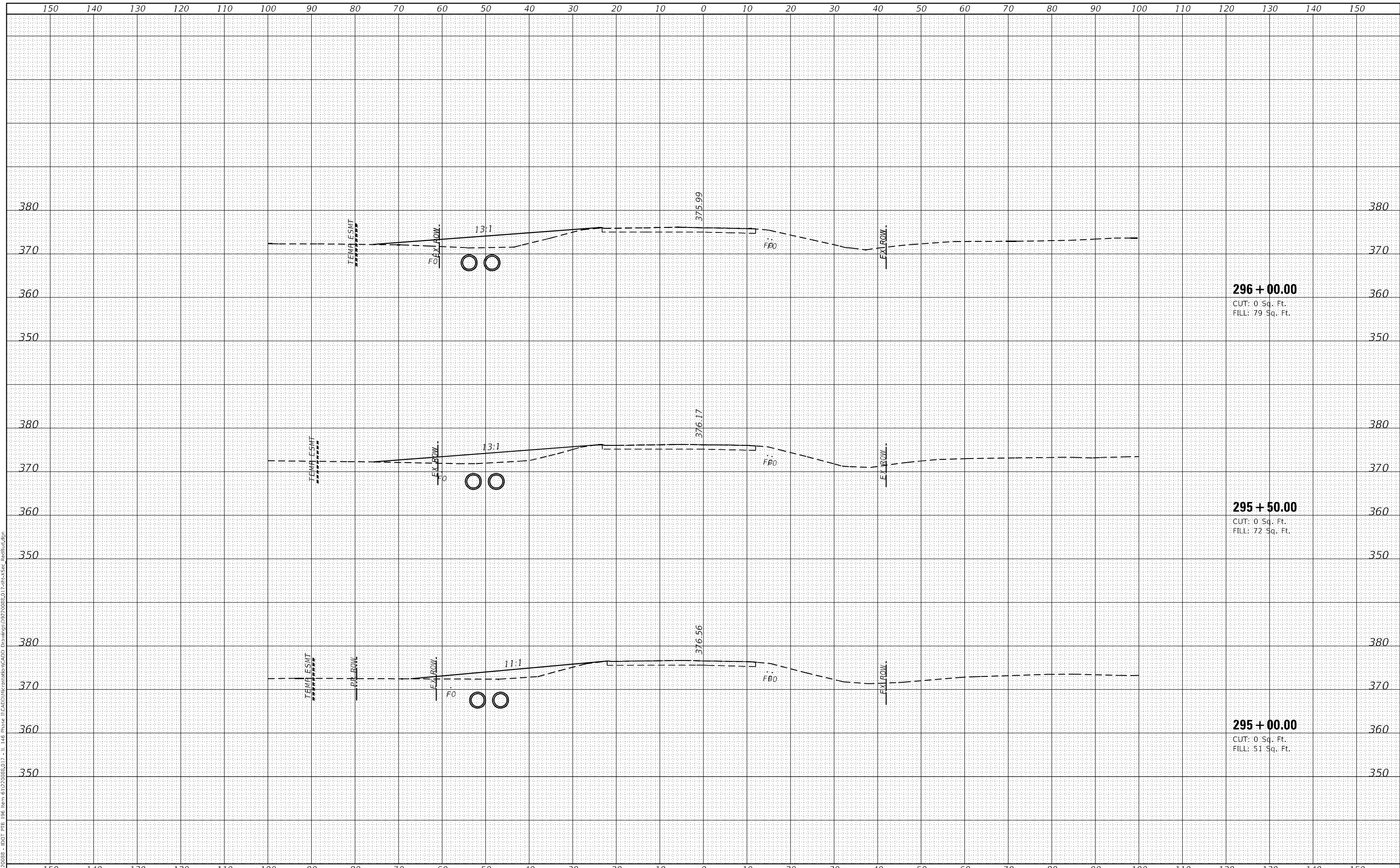
**CROSS SECTION SHEETS**  
**OLD METROPOLIS ROAD / RED BUD LANE**  
 SCALE: SHEET 2 OF 9 SHEETS STA. 294+00.00 TO STA. 294+80.99

|             |               |         |                           |           |
|-------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE. | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885         | 110(W-2,RS-5) | JOHNSON | 159                       | 145       |
|             |               |         | CONTRACT NO. 78524        |           |
|             |               |         | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: DefIntr  
 FILE NAME: H:\220808 - IDOT PTB 196 Item 61220808.dwg  
 I:\46 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc\XSec RedBud.dgn



**296 + 00.00**  
 CUT: 0 Sq. Ft.  
 FILL: 79 Sq. Ft.

**295 + 50.00**  
 CUT: 0 Sq. Ft.  
 FILL: 72 Sq. Ft.

**295 + 00.00**  
 CUT: 0 Sq. Ft.  
 FILL: 51 Sq. Ft.



|                              |
|------------------------------|
| USER NAME = roshan.pokhrel   |
| PLOT SCALE = 20,0000 * / in. |
| PLOT DATE = 4/11/2023        |

|            |
|------------|
| DESIGNED - |
| DRAWN -    |
| CHECKED -  |
| DATE -     |

|           |
|-----------|
| REVISED - |
| REVISED - |
| REVISED - |
| REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION SHEETS  
 OLD METROPOLIS ROAD / RED BUD LANE**

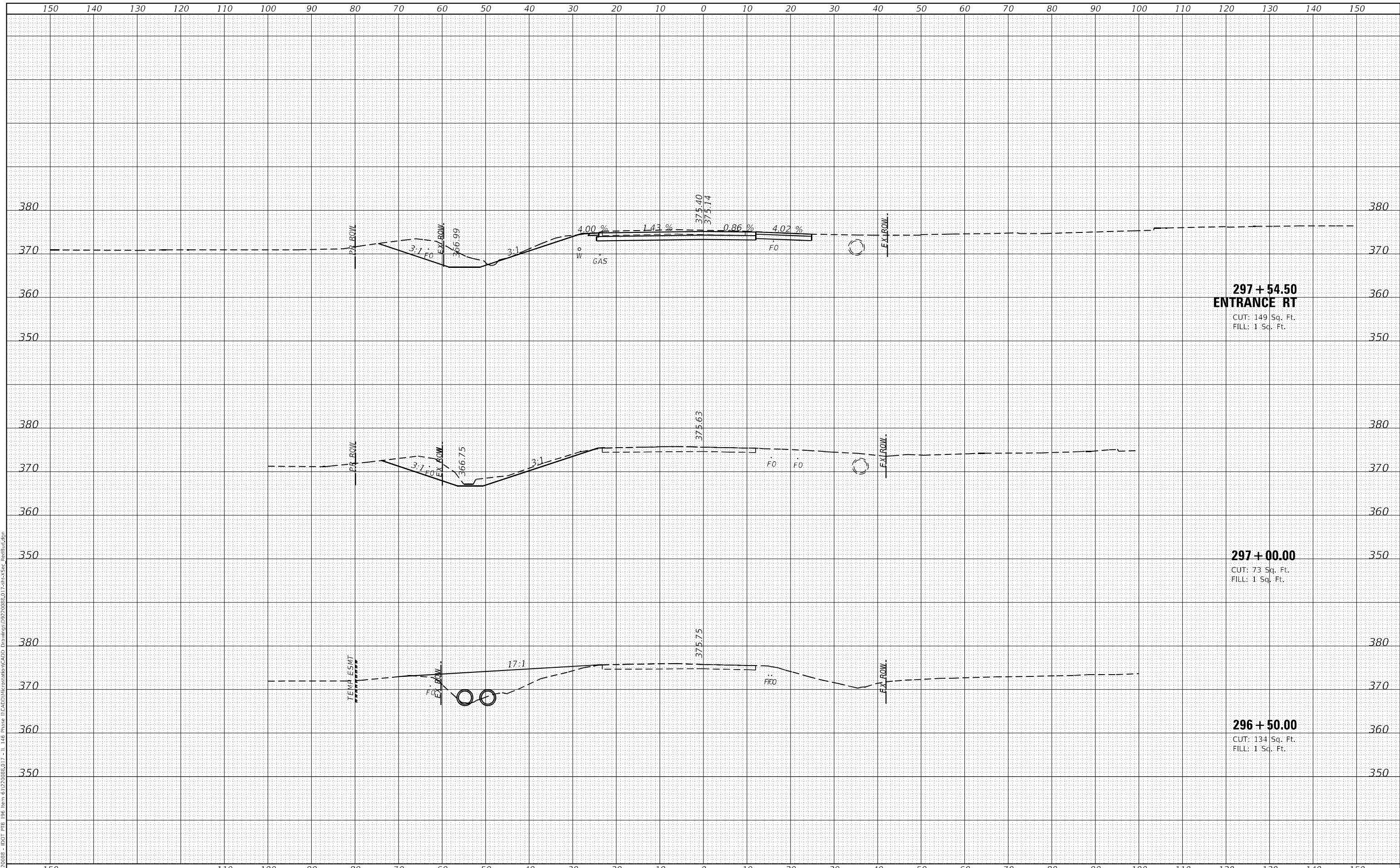
SCALE: SHEET 3 OF 9 SHEETS STA. 295+00.00 TO STA. 296+00.00

|                           |                       |                |                    |               |
|---------------------------|-----------------------|----------------|--------------------|---------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 146 |
| ILLINOIS FED. AID PROJECT |                       |                | CONTRACT NO. 78524 |               |

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

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

MODEL: Defn\hr  
 FILE NAME: H:\22088 - IDOT PTB 196 Item 6122088\1146 Phase II\CADD\MicroStation\CADD Drawings\992008\017-shc-5sc-RedBud.dgn



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = roshan.pokhrel   | DESIGNED - | REVISED - |
| PLOT SCALE = 20,0000' = 1/4" | DRAWN -    | REVISED - |
| PLOT DATE = 4/11/2023        | CHECKED -  | REVISED - |
|                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

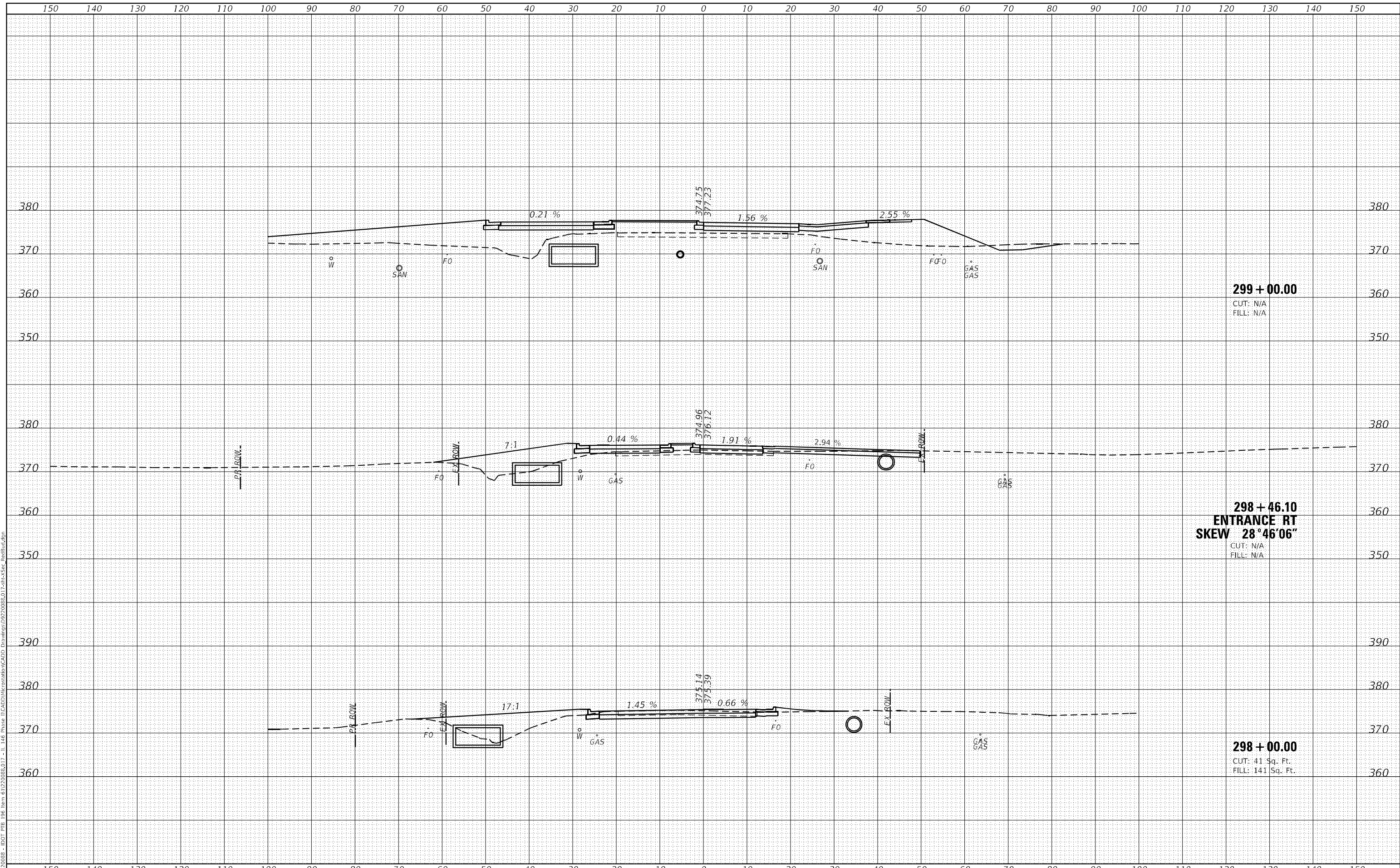
|   |                                  |
|---|----------------------------------|
| <b>CROSS SECTION SHEETS</b>               |                                  |
| <b>OLD METROPOLIS ROAD / RED BUD LANE</b> |                                  |
| SCALE:                                    | SHEET 4 OF 9 SHEETS              |
|   | STA. 296+50.00 TO STA. 297+54.50 |

|                           |                       |                |                    |               |
|---------------------------|-----------------------|----------------|--------------------|---------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 147 |
|                           |                       |                | CONTRACT NO. 78524 |               |
| 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: Defn\hr  
 FILE NAME: H:\220808 - IDOT PTB 196 Item 61220808.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017shc\Xsec\_RedBud.dgn



**299 + 00.00**  
 CUT: N/A  
 FILL: N/A

**298 + 46.10**  
**ENTRANCE RT**  
**SKEW 28°46'06"**  
 CUT: N/A  
 FILL: N/A

**298 + 00.00**  
 CUT: 41 Sq. Ft.  
 FILL: 141 Sq. Ft.



|                              |
|------------------------------|
| USER NAME = roshan.pokhrel   |
| PLOT SCALE = 20,0000 * / in. |
| PLOT DATE = 4/11/2023        |

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

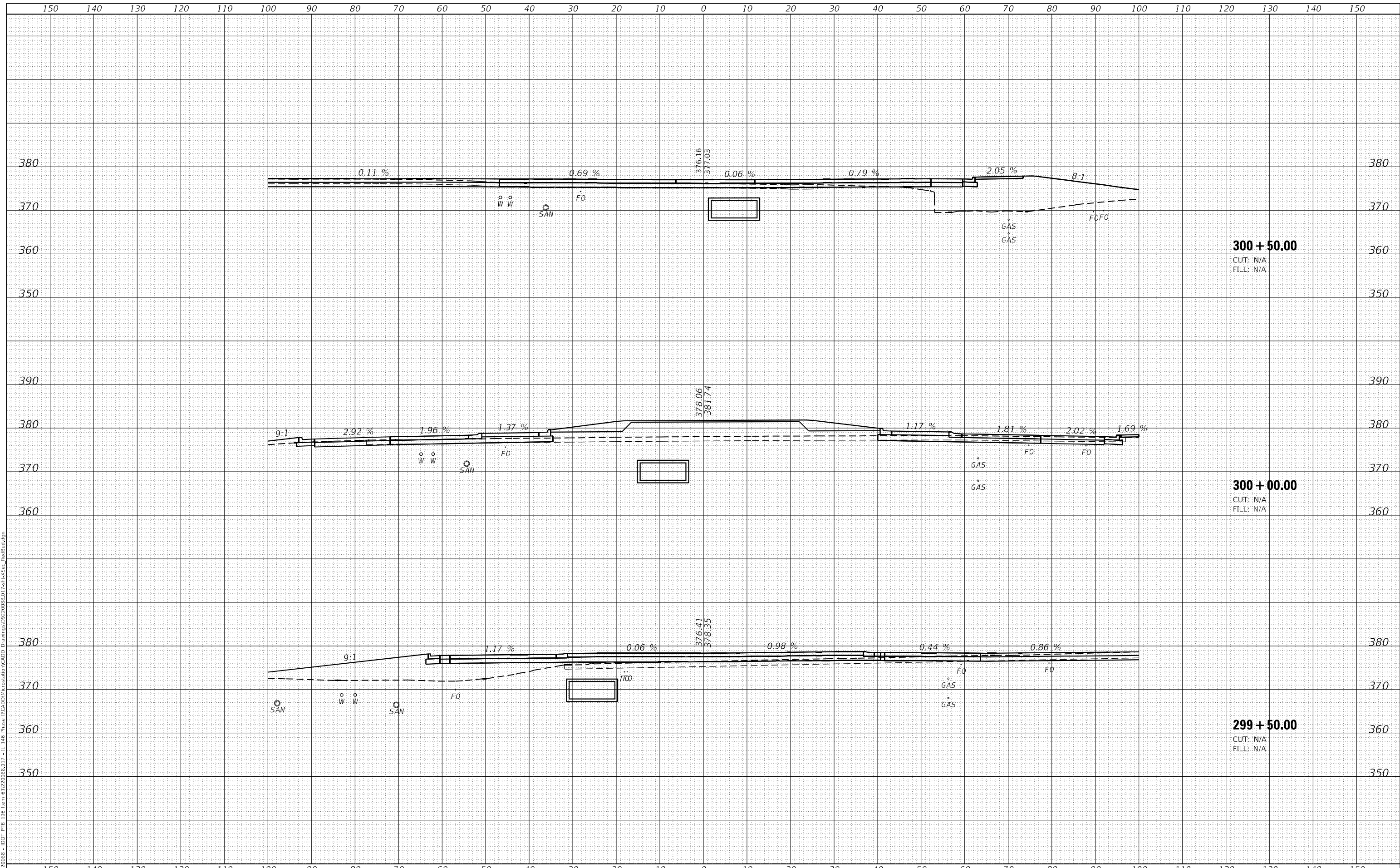
|   |                |                   |        |
|---|----------------|-------------------|--------|
| <b>CROSS SECTION SHEETS</b>               |                |                   |        |
| <b>OLD METROPOLIS ROAD / RED BUD LANE</b> |                |                   |        |
| SCALE:                                    | SHEET 5        | OF 9              | SHEETS |
|   | STA. 298+00.00 | TO STA. 299+00.00 |        |

|                 |                       |                  |                    |               |
|-----------------|-----------------------|------------------|--------------------|---------------|
| F.A.P. RTE. 885 | SECTION 110(W-2,RS-5) | COUNTY JOHNSON   | TOTAL SHEETS 159   | SHEET NO. 148 |
|                 |                       |                  | CONTRACT NO. 78524 |               |
| 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: Defn\hr  
 FILE NAME: H:\220808 - IDOT PTB 146 Item 6\220808.D17 - 11\_146 Phase II\CADD\Microstation\CADD Drawings\992008\017shc-XSec-RedBud.dgn



**300 + 50.00**  
 CUT: N/A  
 FILL: N/A

**300 + 00.00**  
 CUT: N/A  
 FILL: N/A

**299 + 50.00**  
 CUT: N/A  
 FILL: N/A



USER NAME = roshan.pokhrel  
 DESIGNED -  
 DRAWN -  
 PLOT SCALE = 20,0000 \* / in.  
 CHECKED -  
 REVISIED -  
 PLOT DATE = 4/11/2023  
 DATE -

DESIGNED -  
 REVISIED -  
 CHECKED -  
 REVISIED -  
 DATE -

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION SHEETS  
 OLD METROPOLIS ROAD / RED BUD LANE**

SCALE: SHEET 6 OF 9 SHEETS STA. 299+50.00 TO STA. 300+50.00

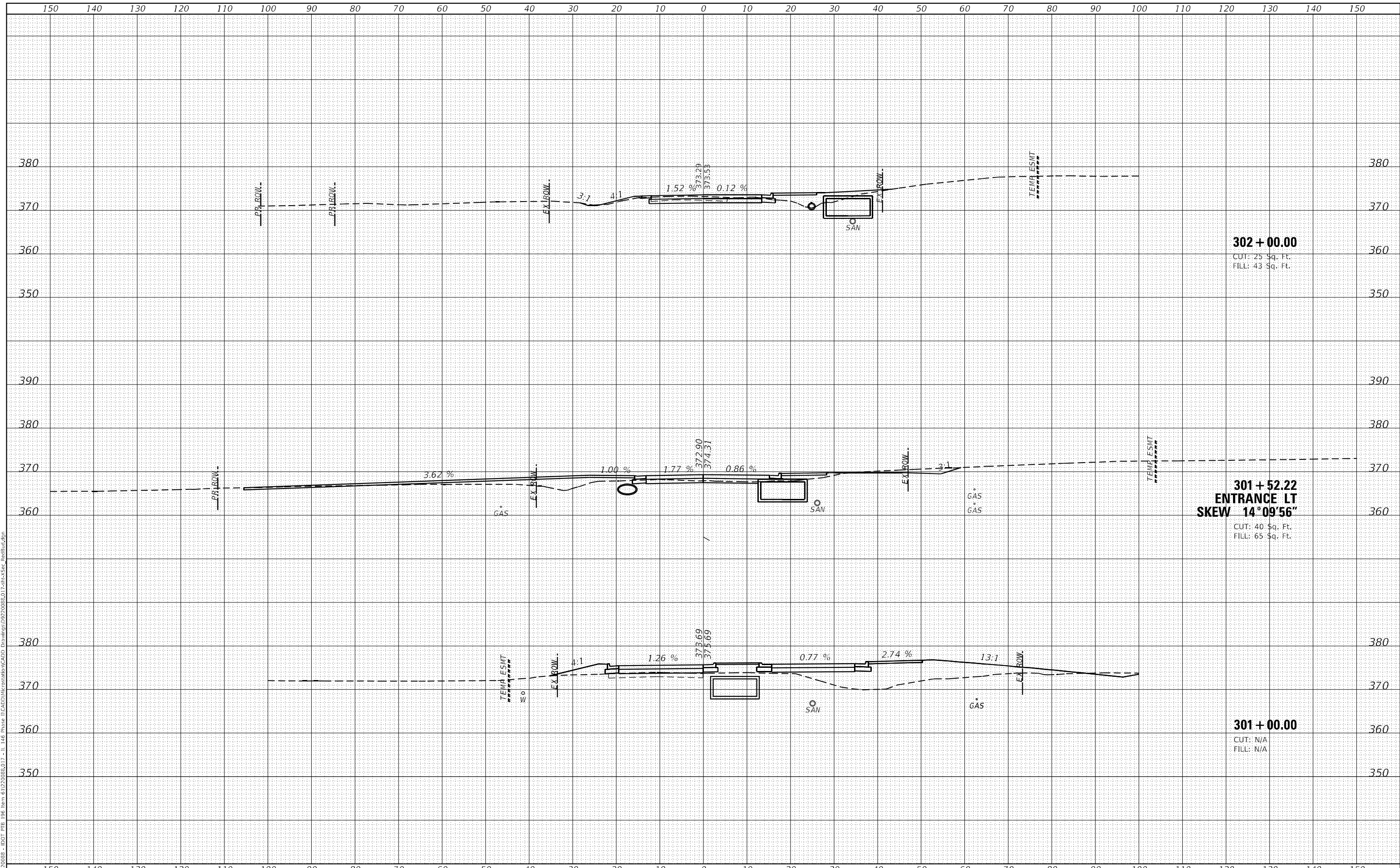
| F.A.P. RTE. | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
|-------------|---------------|---------|--------------------|-----------|
| 885         | 110(W-2,RS-5) | JOHNSON | 159                | 149       |
|             |               |         | CONTRACT NO. 78524 |           |

ILLINOIS FED. AID PROJECT

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

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

MODEL: DefIntr  
 FILE NAME: H:\220808 - IDOT PTB 196 Item 61220808.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017-shc-xsec-RedBud.dgn



**302 + 00.00**  
 CUT: 25 Sq. Ft.  
 FILL: 43 Sq. Ft.

**301 + 52.22**  
**ENTRANCE LT**  
**SKEW 14°09'56"**  
 CUT: 40 Sq. Ft.  
 FILL: 65 Sq. Ft.

**301 + 00.00**  
 CUT: N/A  
 FILL: N/A



|             |                   |
|-------------|-------------------|
| USER NAME   | = roshan.pokhrel  |
| DESIGNED    | -                 |
| DRAWN       | -                 |
| PLLOT SCALE | = 20,0000 * / in. |
| CHECKED     | -                 |
| DATE        | = 4/11/2023       |

|        |   |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION SHEETS**  
**OLD METROPOLIS ROAD / RED BUD LANE**

SCALE: SHEET 7 OF 9 SHEETS STA. 301+00.00 TO STA. 302+00.00

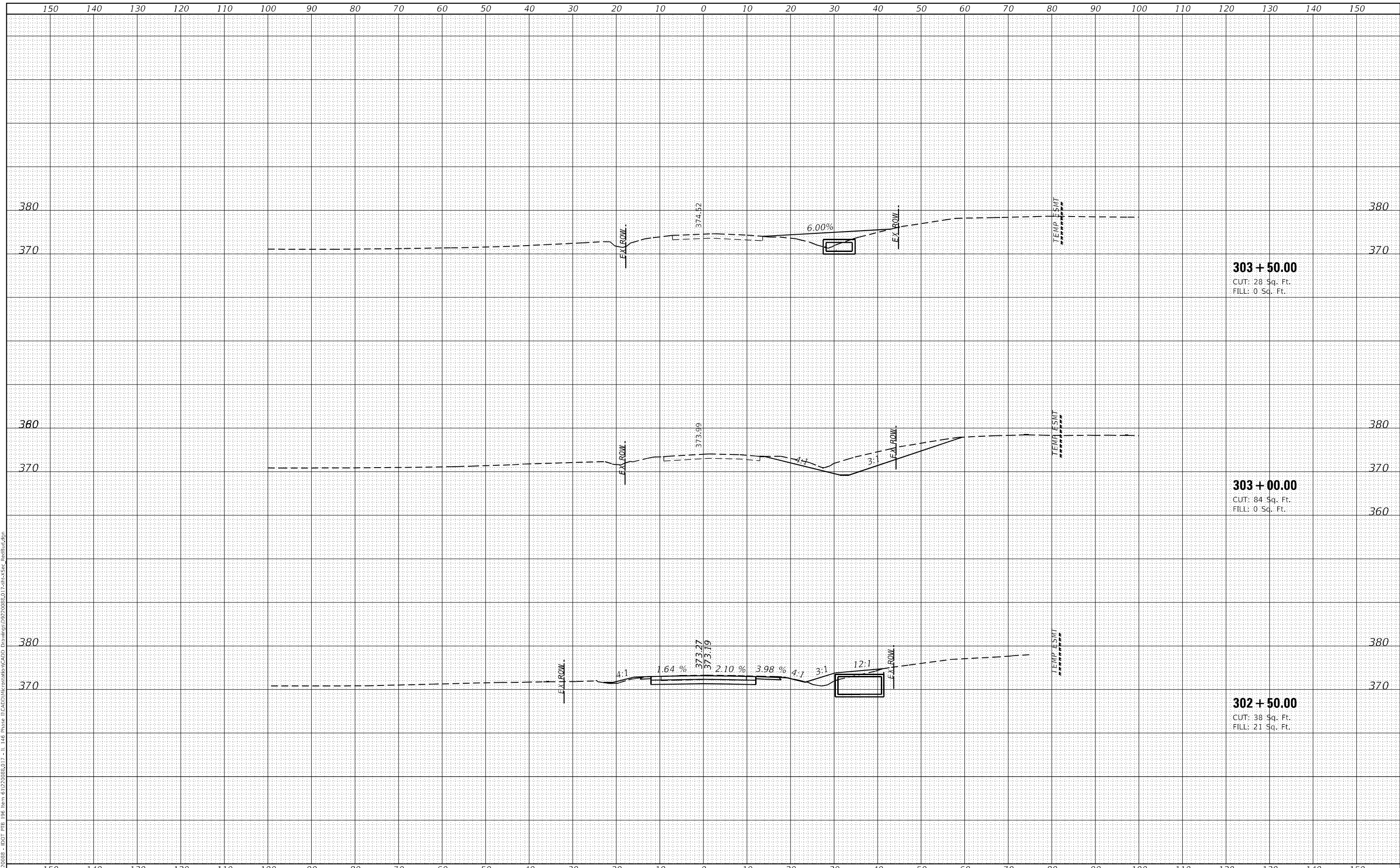
|                           |               |         |                    |           |
|---------------------------|---------------|---------|--------------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 150       |
| ILLINOIS FED. AID PROJECT |               |         | CONTRACT NO. 78524 |           |



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

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

MODEL: Defn\hr  
 FILE NAME: H:\220808 - IDOT PTB 146 Item 6\220808.dwg - II\_146 Phase II\CADD\MicroStation\CADD Drawings\992008\017-shc-XSec-RedBud.dgn



**303 + 50.00**  
 CUT: 28 Sq. Ft.  
 FILL: 0 Sq. Ft.

**303 + 00.00**  
 CUT: 84 Sq. Ft.  
 FILL: 0 Sq. Ft.

**302 + 50.00**  
 CUT: 38 Sq. Ft.  
 FILL: 21 Sq. Ft.



|                             |
|-----------------------------|
| USER NAME = roshan.pokhrel  |
| PLOT SCALE = 20,0000' / in. |
| PLOT DATE = 4/11/2023       |

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

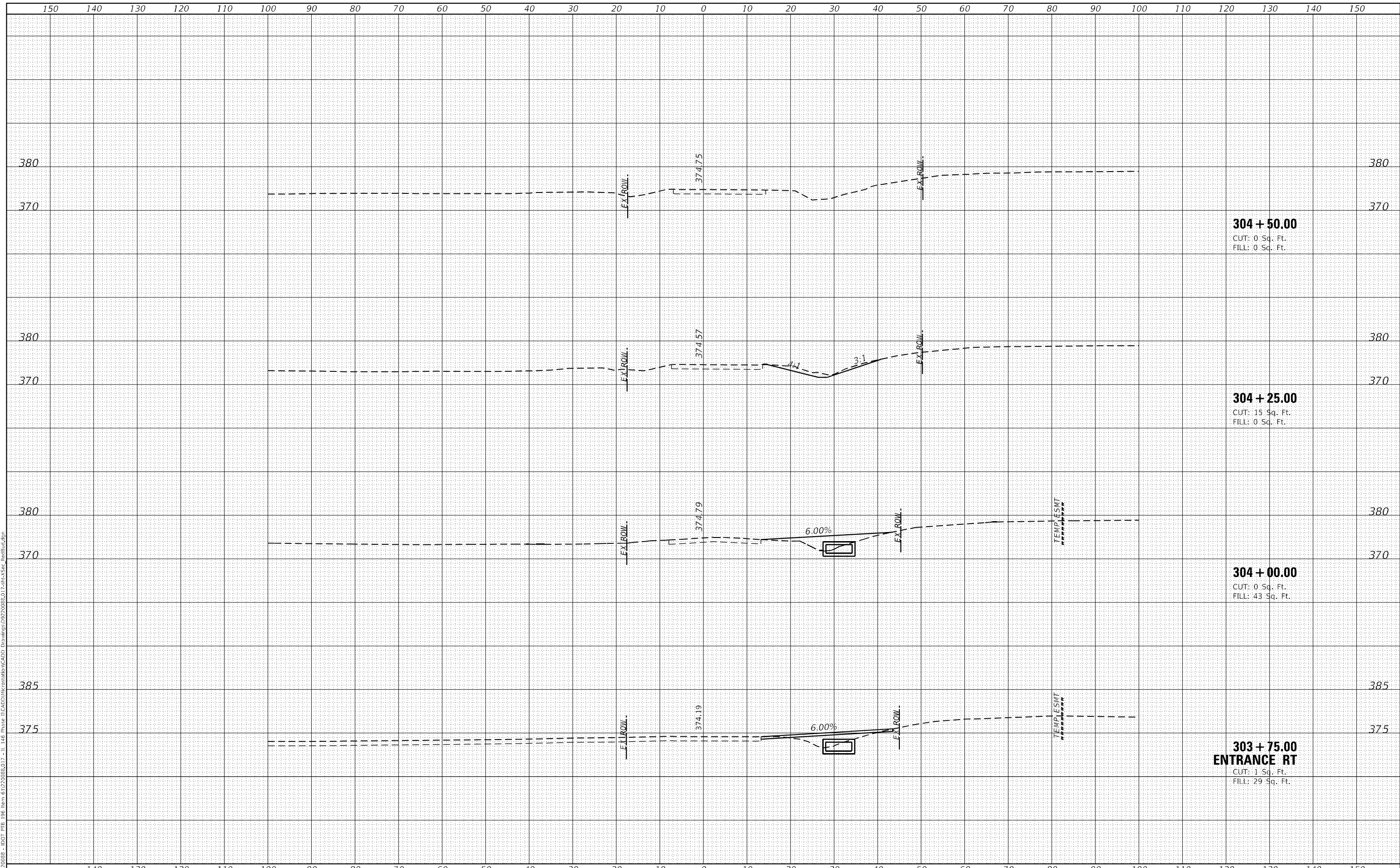
|   |  |
|---|--|
| <b>CROSS SECTION SHEETS</b>               |  |
| <b>OLD METROPOLIS ROAD / RED BUD LANE</b> |  |
| SCALE:                                    | SHEET 8 OF 9 SHEETS STA. 302+50.00 TO STA. 303+50.00 |

|                           |                       |                |                    |               |
|---------------------------|-----------------------|----------------|--------------------|---------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 151 |
|                           |                       |                | CONTRACT NO. 78524 |               |
| ILLINOIS FED. AID PROJECT |                       |                |                    |               |

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

|                     |               |      |
|---------------------|---------------|------|
| ORIGINAL SURVEY NO. | SURVEYED      | DATE |
|                     | PLOTTED       |      |
|                     | TEMPLATE      |      |
|                     | AREAS CHECKED |      |

MODEL: Defn\hr  
 FILE NAME: H:\220808 - IDOT PTB 146 Item 61220808.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\0172\h-XSec-RedBud.dgn



|                              |
|------------------------------|
| USER NAME = roshan.pokhrel   |
| PLOT SCALE = 20,0000 * / in. |
| PLOT DATE = 4/11/2023        |

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

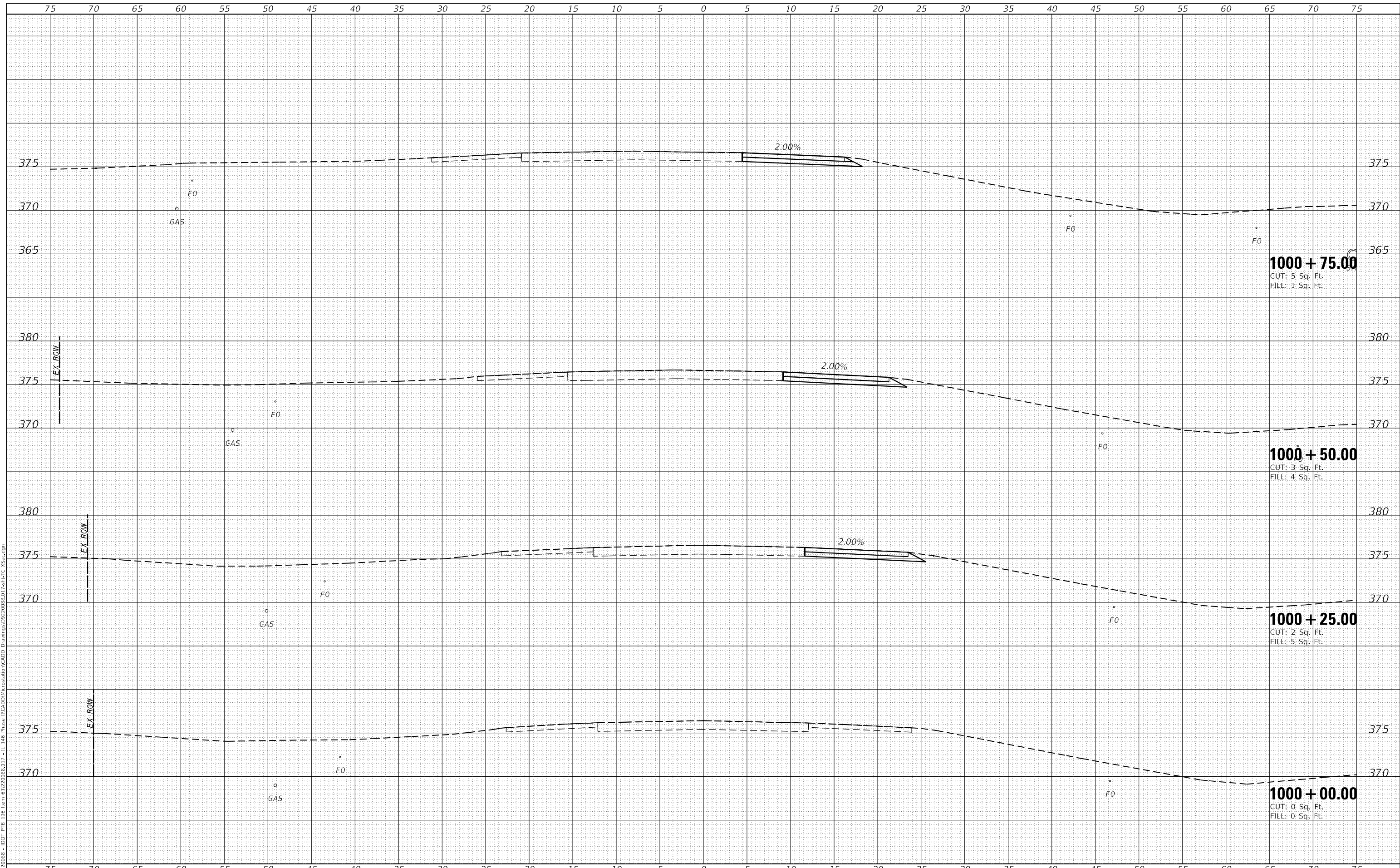
|                                    |                     |
|------------------------------------|---------------------|
| CROSS SECTION SHEETS               |                     |
| OLD METROPOLIS ROAD / RED BUD LANE |                     |
| SCALE:                             | SHEET 9 OF 9 SHEETS |
| STA. 303+75.00 TO STA. 304+50.00   |                     |

|                           |                       |                |                    |               |
|---------------------------|-----------------------|----------------|--------------------|---------------|
| F.A.P. RTE. 885           | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159   | SHEET NO. 152 |
| ILLINOIS FED. AID PROJECT |                       |                | CONTRACT NO. 78524 |               |

|               |  |
|---------------|--|
| 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: Defn\hr  
 FILE NAME: H:\22088 - IDOT PTB 106 Item 6122088\11 - I146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.sht-TC V5.rvt.dgn



**1000 + 75.00**  
 CUT: 5 Sq. Ft.  
 FILL: 1 Sq. Ft.

**1000 + 50.00**  
 CUT: 3 Sq. Ft.  
 FILL: 4 Sq. Ft.

**1000 + 25.00**  
 CUT: 2 Sq. Ft.  
 FILL: 5 Sq. Ft.

**1000 + 00.00**  
 CUT: 0 Sq. Ft.  
 FILL: 0 Sq. Ft.



|            |                   |
|------------|-------------------|
| USER NAME  | = roshan.pokhrel  |
| DESIGNED   | -                 |
| DRAWN      | -                 |
| PLOT SCALE | = 10,0000 * / in. |
| PLOT DATE  | = 4/11/2023       |

|          |   |
|----------|---|
| DESIGNED | - |
| DRAWN    | - |
| CHECKED  | - |
| DATE     | - |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 RUNAROUND CROSS SECTIONS**

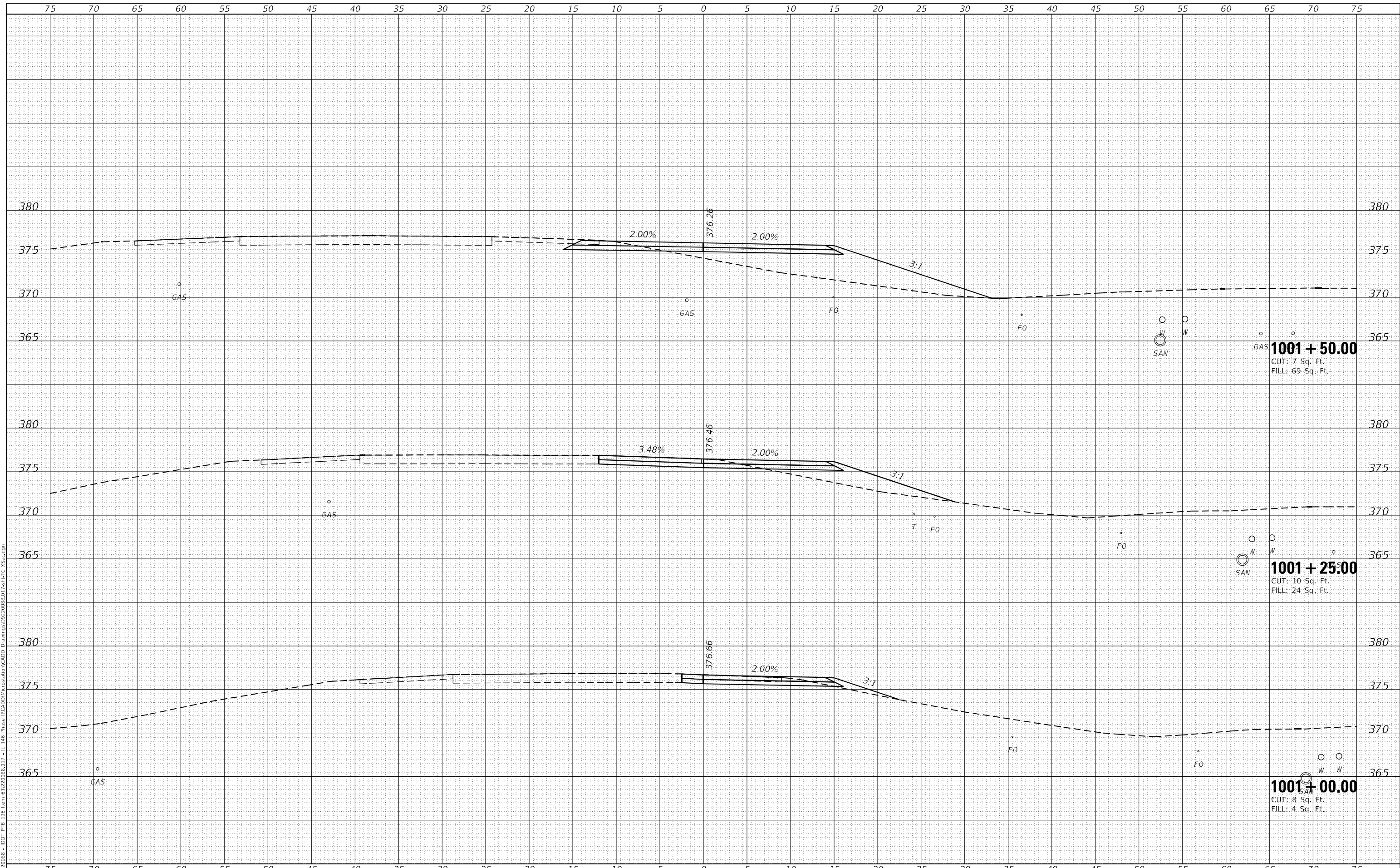
SCALE: SHEET 12 OF 18 SHEETS STA. 1000+00.00 TO STA. 1000+75.00

|                           |               |         |                    |           |
|---------------------------|---------------|---------|--------------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 153       |
|                           |               |         | CONTRACT NO. 78524 |           |
| 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: Defn\hr  
 FILE NAME: H:\220808 - IDOT PTB 106 Item 61220808.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.sht-TC V5.rvt.dgn



**1001 + 50.00**  
 CUT: 7 Sq. Ft.  
 FILL: 69 Sq. Ft.

**1001 + 25.00**  
 CUT: 10 Sq. Ft.  
 FILL: 24 Sq. Ft.

**1001 + 00.00**  
 CUT: 8 Sq. Ft.  
 FILL: 4 Sq. Ft.



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = roshan.pokhrel  | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10,0000 */ in. | CHECKED -  | REVISED - |
| PLOT DATE = 4/11/2023       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 RUNAROUND CROSS SECTIONS**

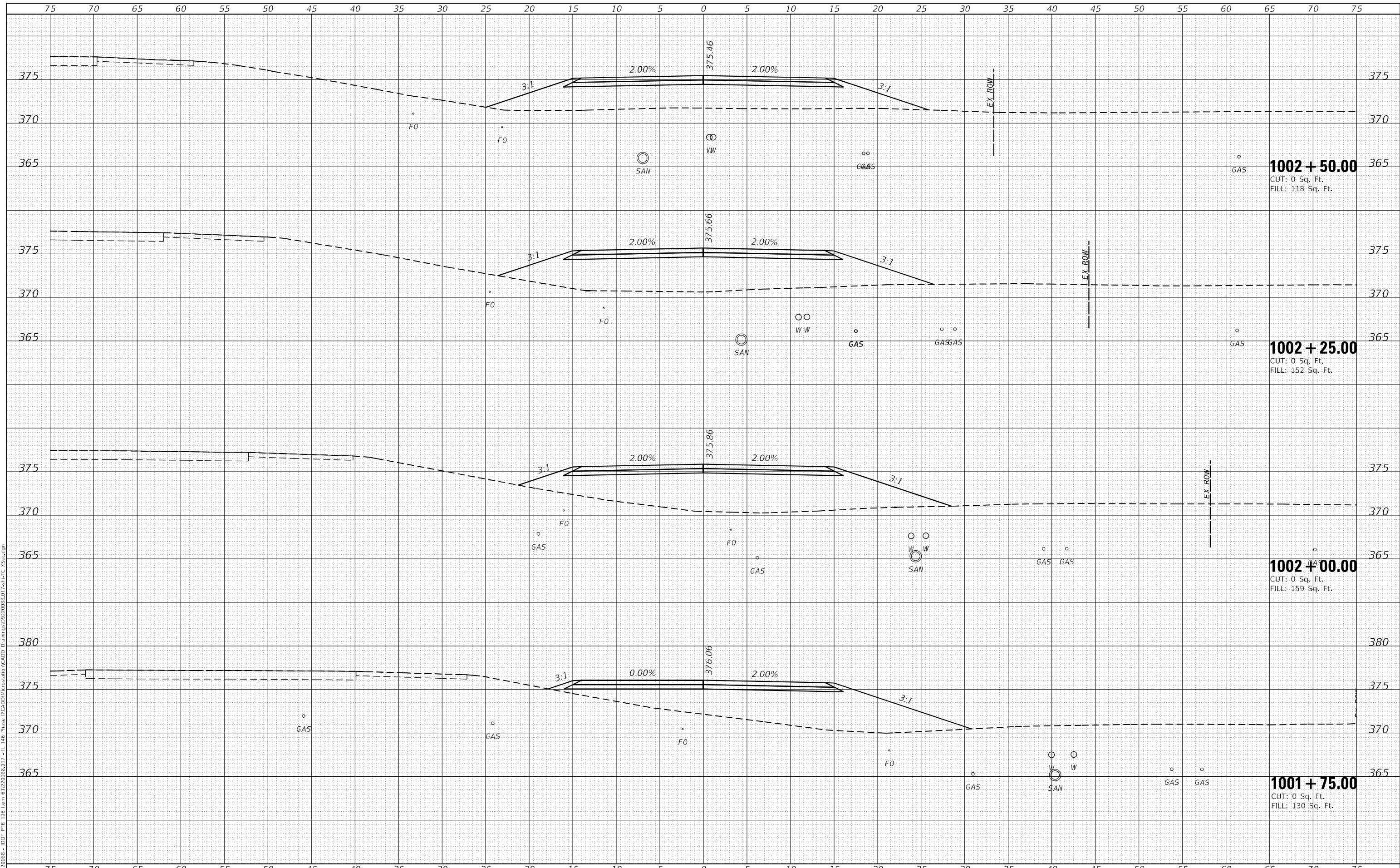
SCALE: SHEET 13 OF 18 SHEETS STA. 1001+00.00 TO STA. 1001+50.00

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 154       |
| CONTRACT NO. 78524        |               |         |              |           |
| 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: Defnahr  
 FILE NAME: H:\220808 - IDOT PTB 146 Item 61220808.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.sht-TC V5.rvt.dgn



|                               |            |          |
|-------------------------------|------------|----------|
| USER NAME = roshan.pokhrel    | DESIGNED - | REVISD - |
|                               | DRAWN -    | REVISD - |
| PLOT SCALE = 10,000' = 1" in. | CHECKED -  | REVISD - |
| PLOT DATE = 4/11/2023         | DATE -     | REVISD - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 RUNAROUND CROSS SECTIONS**

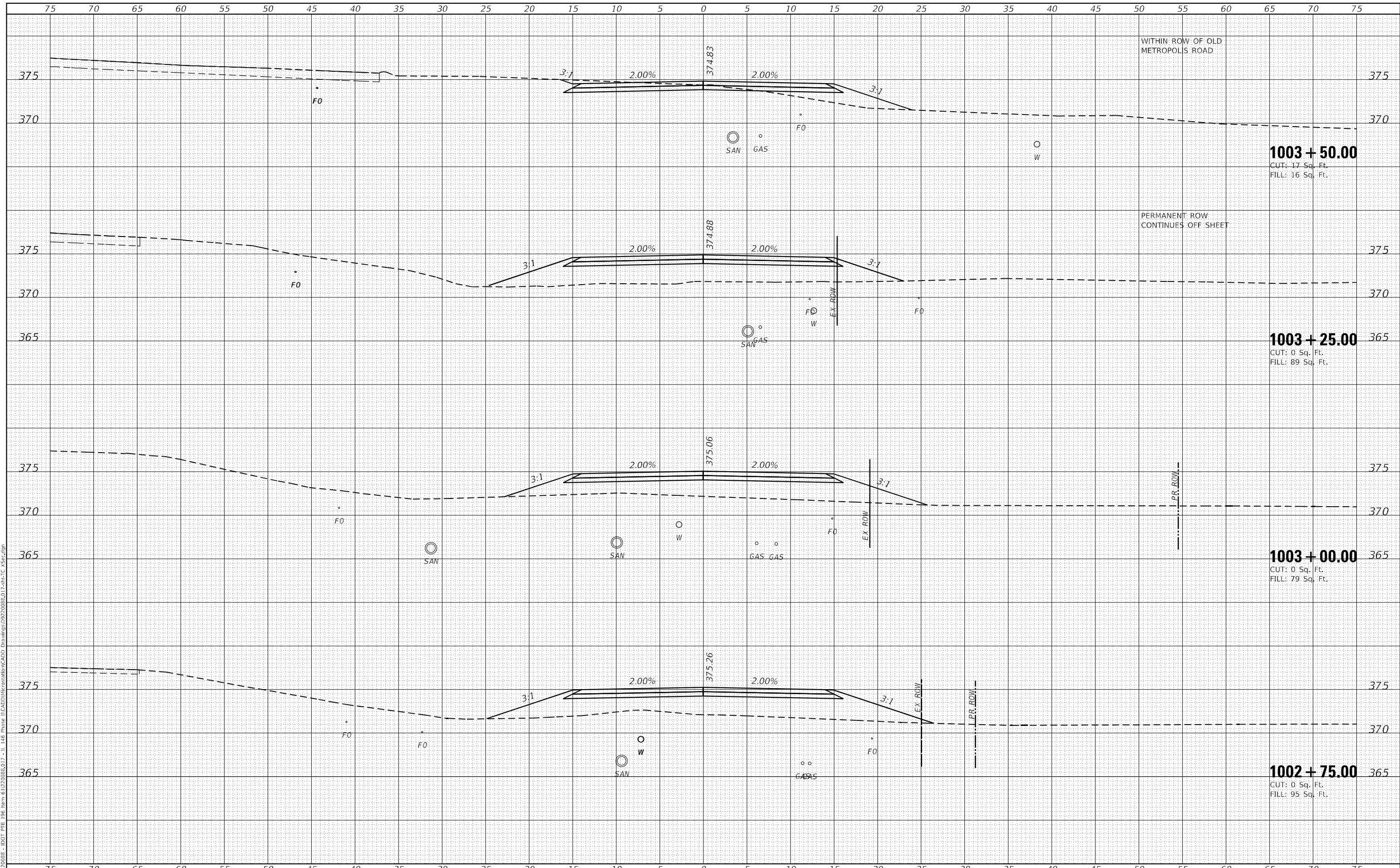
SCALE: SHEET 14 OF 18 SHEETS STA. 1001+75.00 TO STA. 1002+50.00

|                    |                       |                |                           |               |
|--------------------|-----------------------|----------------|---------------------------|---------------|
| F.A.P. RTE. 885    | SECTION 110(W-2,RS-5) | COUNTY JOHNSON | TOTAL SHEETS 159          | SHEET NO. 155 |
| CONTRACT NO. 78524 |                       |                | 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: Defnair  
 FILE NAME: H:\22088 - IDOT PTB 146 Item 6122088.D17 - I1 146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.sht-TC V5.rvt.dgn



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = roshan.pokhrel   | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 10,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 4/11/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 RUNAROUND CROSS SECTIONS**

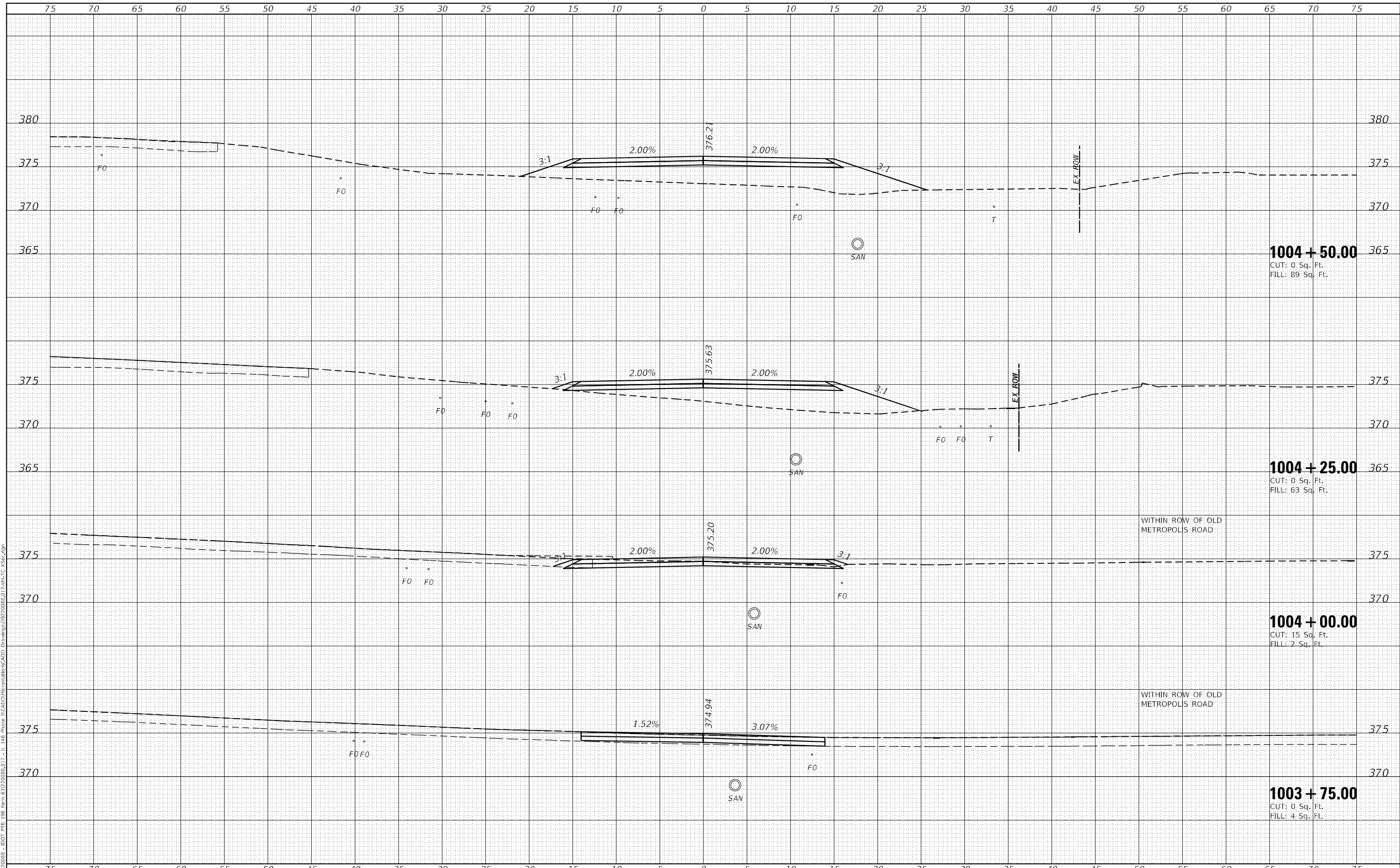
SCALE: SHEET 15 OF 18 SHEETS STA. 1002+75.00 TO STA. 1003+50.00

|                           |               |         |                    |           |
|---------------------------|---------------|---------|--------------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 156       |
|                           |               |         | CONTRACT NO. 78524 |           |
| 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: Defnahr  
 FILE NAME: H:\22088 - IDOT PTB 196 Item 6122088\17 - ILL 146 Phase II\CADD\Microstation\CADD Drawings\992008\017.sht-TC V5.rvt.dgn



**1004 + 50.00**  
 CUT: 0 Sq. Ft.  
 FILL: 89 Sq. Ft.

**1004 + 25.00**  
 CUT: 0 Sq. Ft.  
 FILL: 63 Sq. Ft.

**1004 + 00.00**  
 CUT: 15 Sq. Ft.  
 FILL: 2 Sq. Ft.

**1003 + 75.00**  
 CUT: 0 Sq. Ft.  
 FILL: 4 Sq. Ft.

WITHIN ROW OF OLD METROPOLIS ROAD

WITHIN ROW OF OLD METROPOLIS ROAD



|            |                   |
|------------|-------------------|
| USER NAME  | = roshan.pokhrel  |
| DESIGNED   | -                 |
| DRAWN      | -                 |
| PLOT SCALE | = 10,0000 * / in. |
| CHECKED    | -                 |
| DATE       | = 4/11/2023       |

|        |   |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 RUNAROUND CROSS SECTIONS**

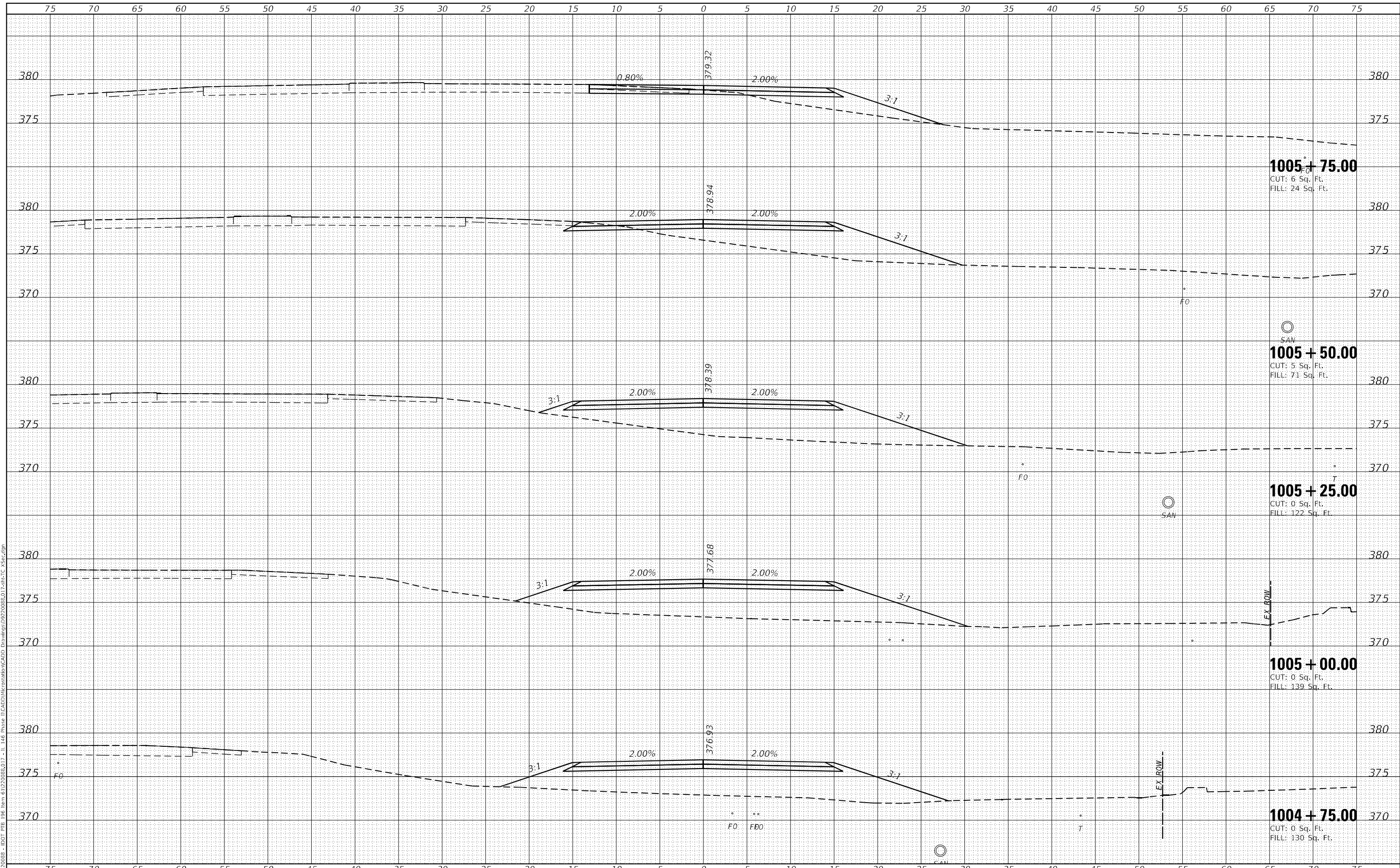
SCALE: SHEET 16 OF 18 SHEETS STA. 1003+75.00 TO STA. 1004+50.00

|                           |               |         |                    |           |
|---------------------------|---------------|---------|--------------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159                | 157       |
|                           |               |         | CONTRACT NO. 78524 |           |
| 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: Definitive  
 FILE NAME: H:\220808 - IDOT PTB 106 Item 61220808.D17 - II\_146 Phase II\CADD\MicroStation\CADD Drawings\992008\017.sht-TC\_VS.rvt.dgn



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = roshan.pokhrel   | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 10,0000 * / in. | CHECKED -  | REVISED - |
| PLOT DATE = 4/11/2023        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 RUNAROUND CROSS SECTIONS**

SCALE: SHEET 17 OF 18 SHEETS STA. 1004+75.00 TO STA. 1005+25.00

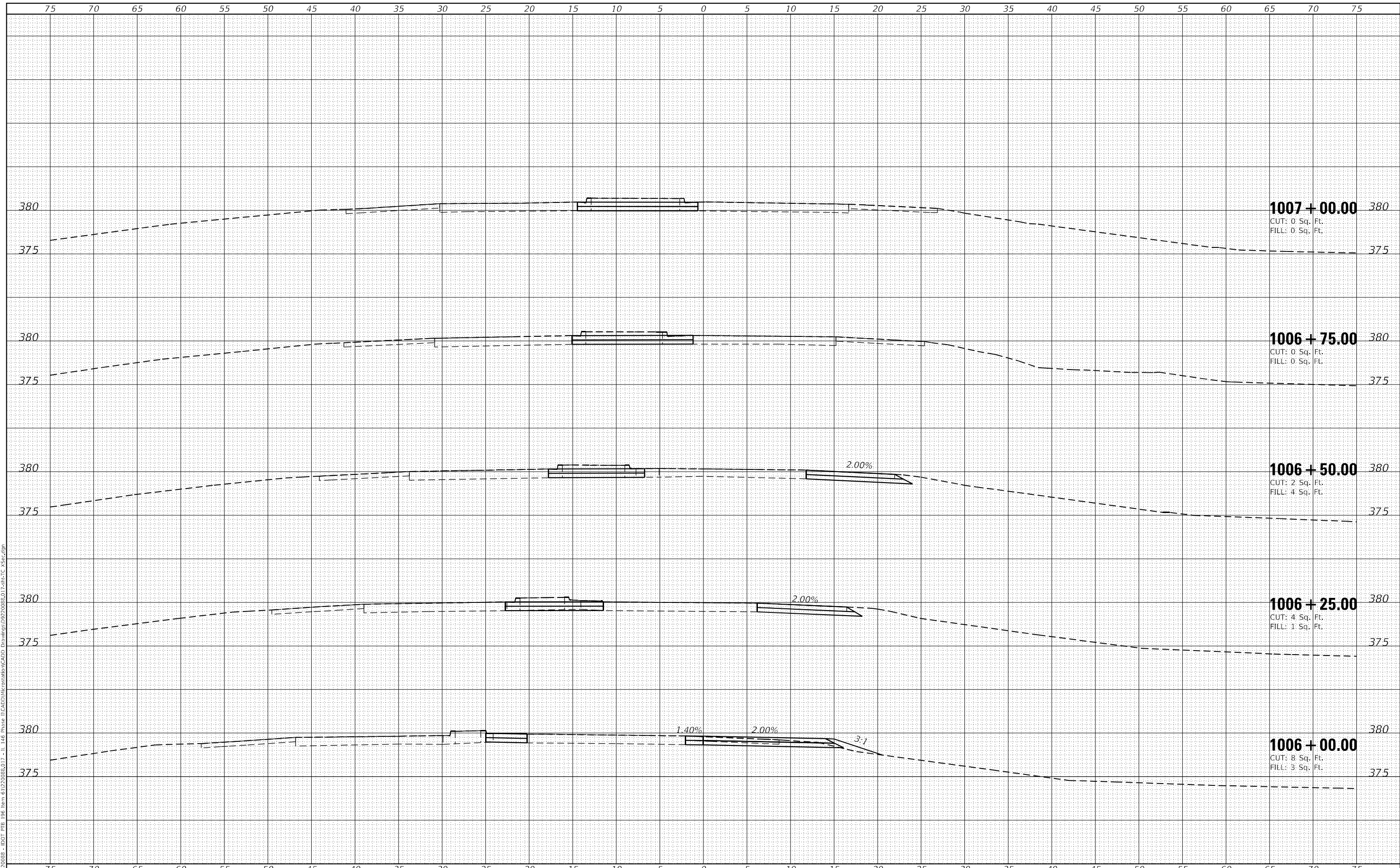
|                    |               |         |                           |           |
|--------------------|---------------|---------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION       | COUNTY  | TOTAL SHEETS              | SHEET NO. |
| 885                | 110(W-2,RS-5) | JOHNSON | 159                       | 158       |
| CONTRACT NO. 78524 |               |         | 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: Definitive  
 FILE NAME: H:\220808 - IDOT PTB 106 Item 61220808.D17 - 11 146 Phase II\CADD\MicroStation\CADD Drawings\092008\017.sht-TC V5.rvt.dgn



USER NAME = roshan.pokhrel  
 PLOT SCALE = 10,0000 \* / in.  
 PLOT DATE = 4/11/2023

|            |            |
|------------|------------|
| DESIGNED - | REVISIED - |
| DRAWN -    | REVISIED - |
| CHECKED -  | REVISIED - |
| DATE -     | REVISIED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING:  
 RUNAROUND CROSS SECTIONS**

SCALE: SHEET 18 OF 18 SHEETS STA. 1005+50.00 TO STA. 1006+50.00

|                           |               |         |              |           |
|---------------------------|---------------|---------|--------------|-----------|
| F.A.P. RTE.               | SECTION       | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 885                       | 110(W-2,RS-5) | JOHNSON | 159          | 159       |
| CONTRACT NO. 78524        |               |         |              |           |
| ILLINOIS FED. AID PROJECT |               |         |              |           |