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 FILE NAME: 10/11/2021 - FSR WIDENING PHASE 2\CADD\MicroStation\CADD_Drawing\17032-5tr-removal.dgn
 ILLINOIS DESIGN FIRM LICENSE NO: 184.001115



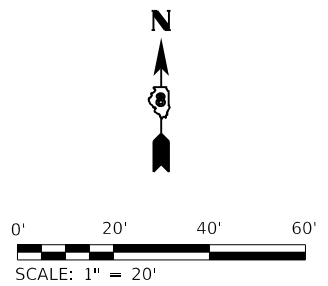
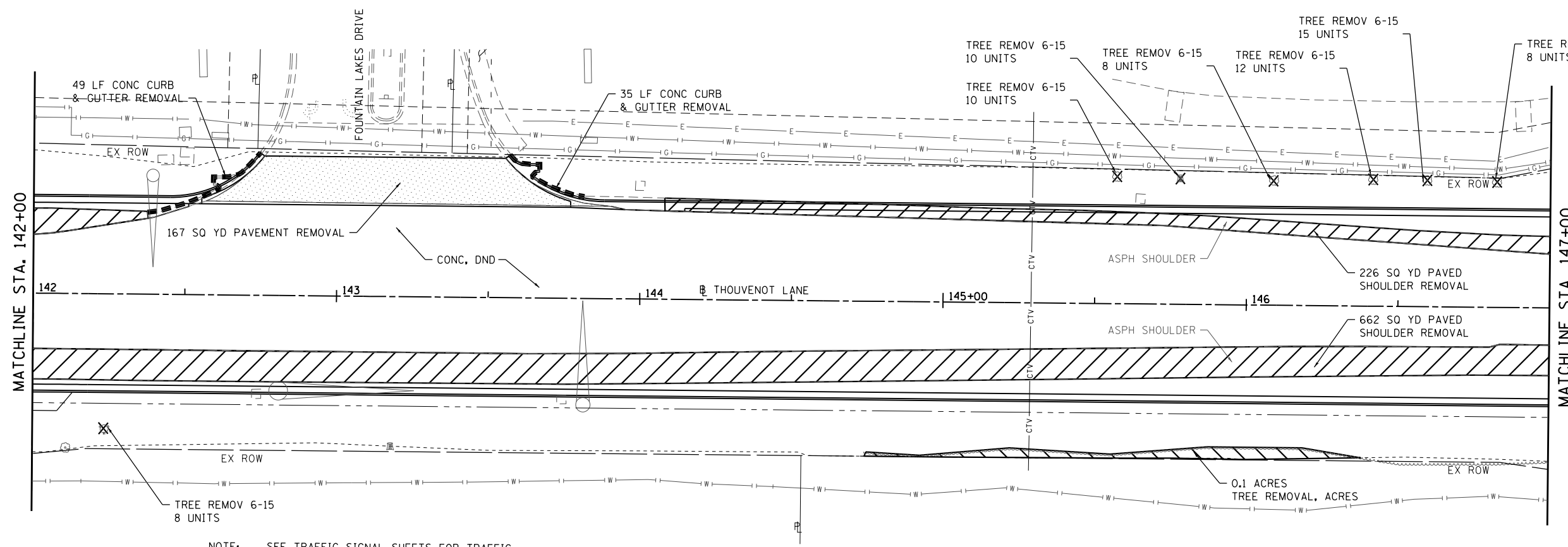
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|------------------------------|------------|-----------|
| USER NAME = scott.feldt | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



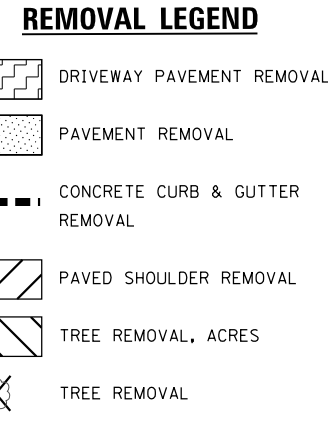
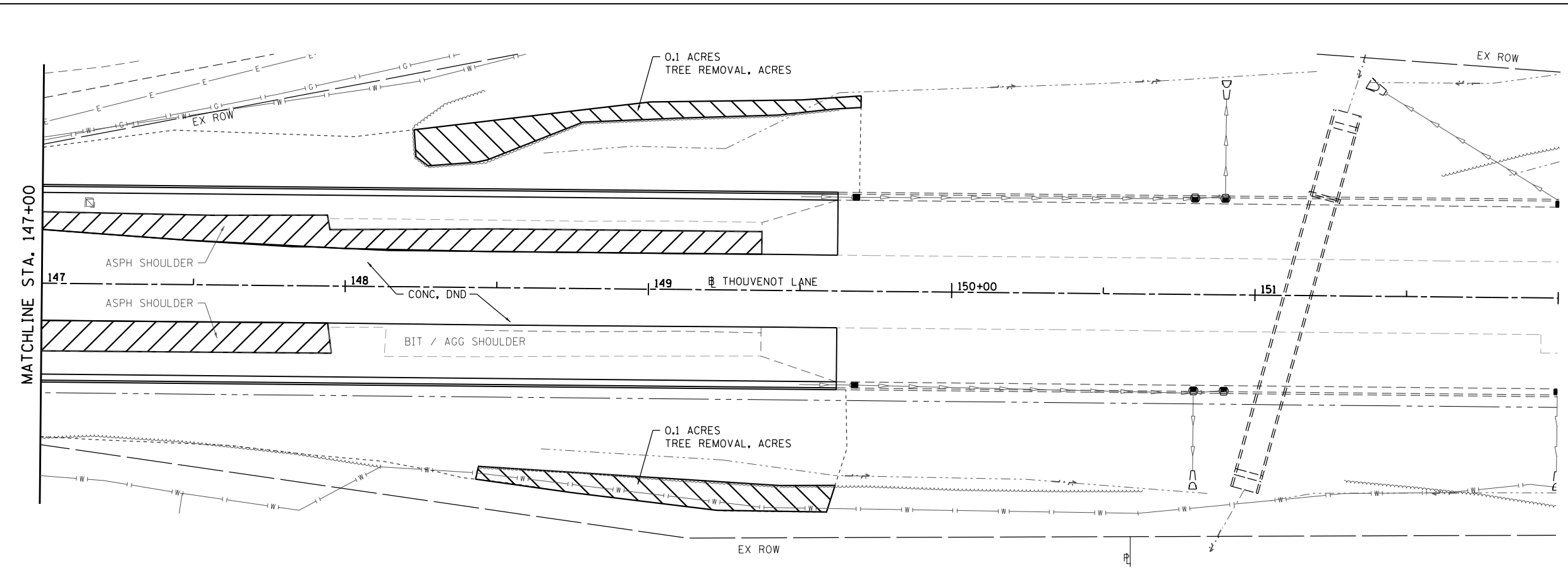
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

| | | | |
|----------------------|---------|-------------|----------------------------|
| REMOVAL PLANS | | | |
| SCALE: 1" = 20' | SHEET 8 | OF 9 SHEETS | STA. 132+00 TO STA. 142+00 |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 101 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: SEE TRAFFIC SIGNAL SHEETS FOR TRAFFIC SIGNAL REMOVAL ITEMS.



MODEL: Removal.dwg
FILE NAME: 10/11/2021 - ESSE WIDENING PHASE 2\CADD\MicroStation\CADD_Drawing\17032-shr-removal.dgn



| | | |
|------------------------------|------------|-----------|
| USER NAME = scott.feltd | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

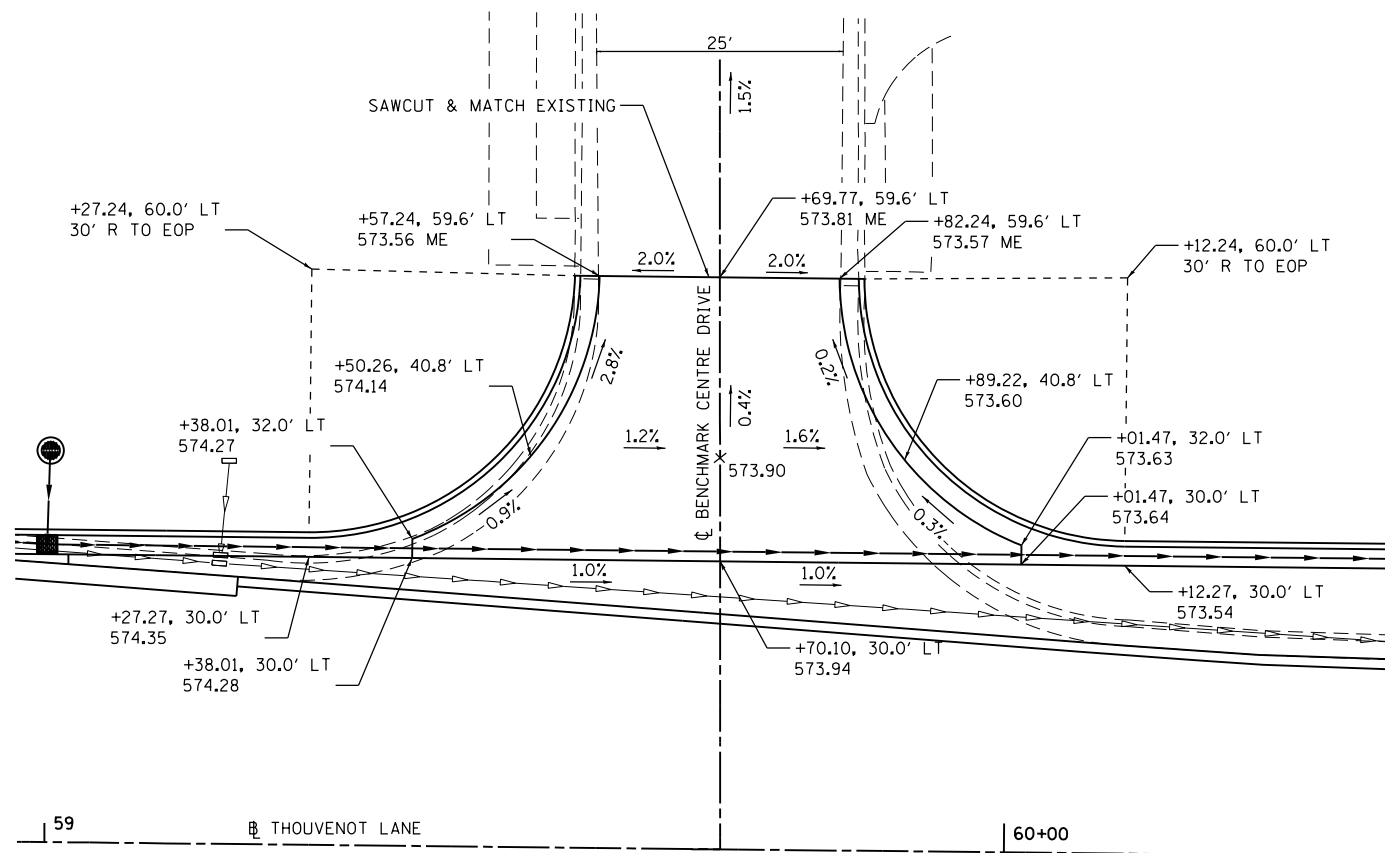
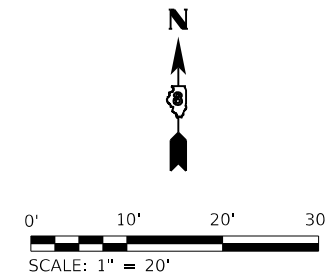


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

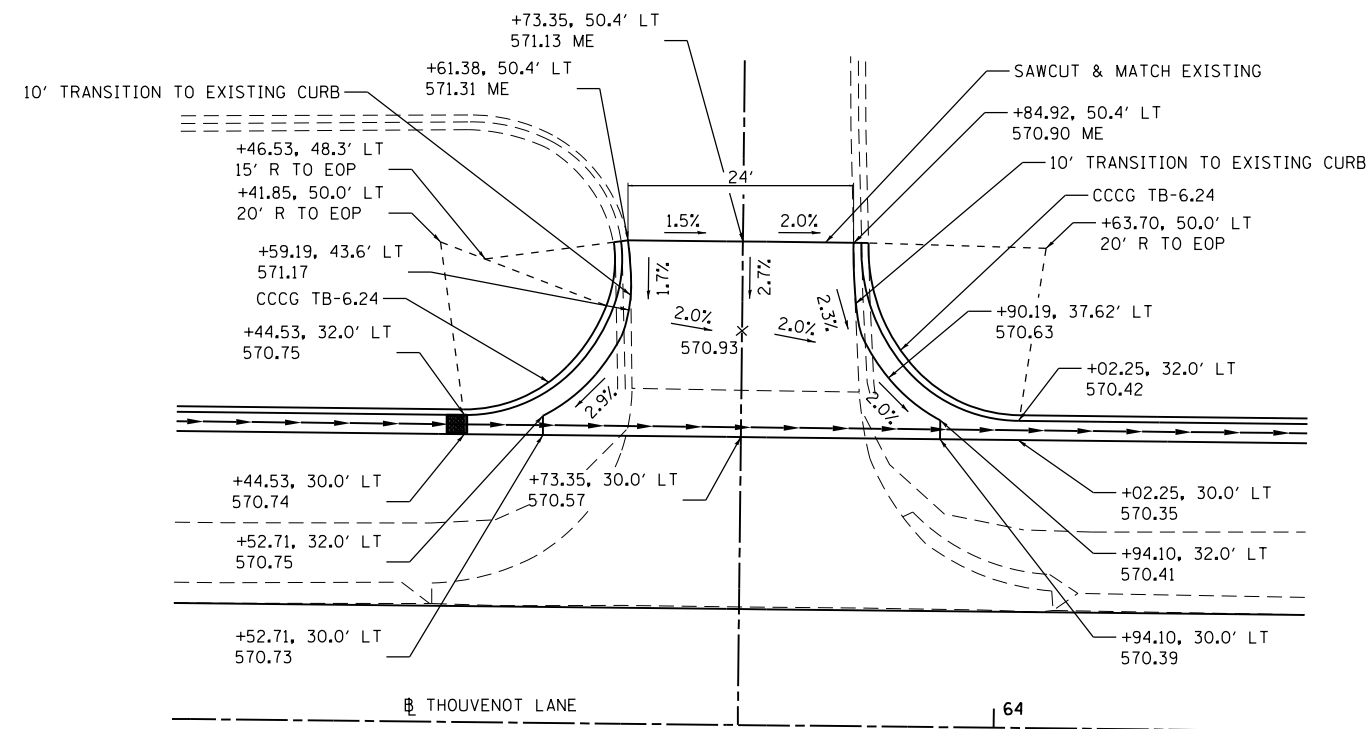
REMOVAL PLANS

SCALE: 1" = 20' SHEET 9 OF 9 SHEETS STA. 142+00 TO STA. 152+00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 102 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



BENCHMARK CENTRE DRIVE
59 + 70.40 LT



COMMERCIAL ENTRANCE
63 + 73.30 LT

MODEL SHEET 1
FILE NAME: I:\R17032 - FSE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc\entres.dgn



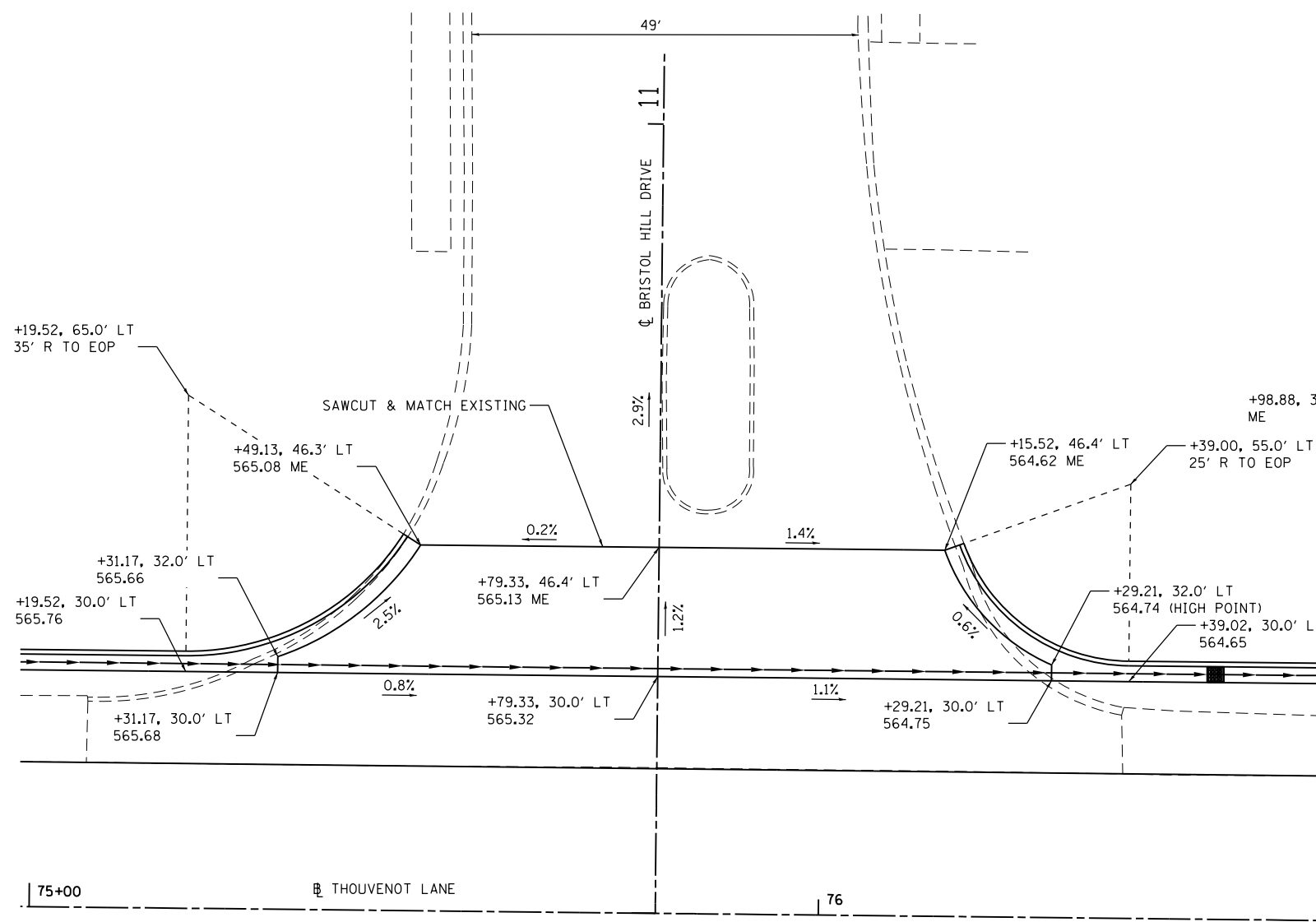
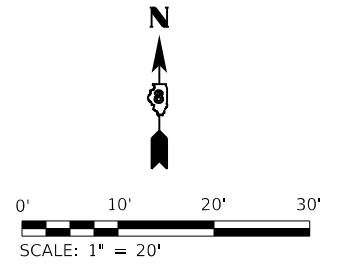
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|------------------------------|------------|-----------|
| USER NAME = scott.feldt | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



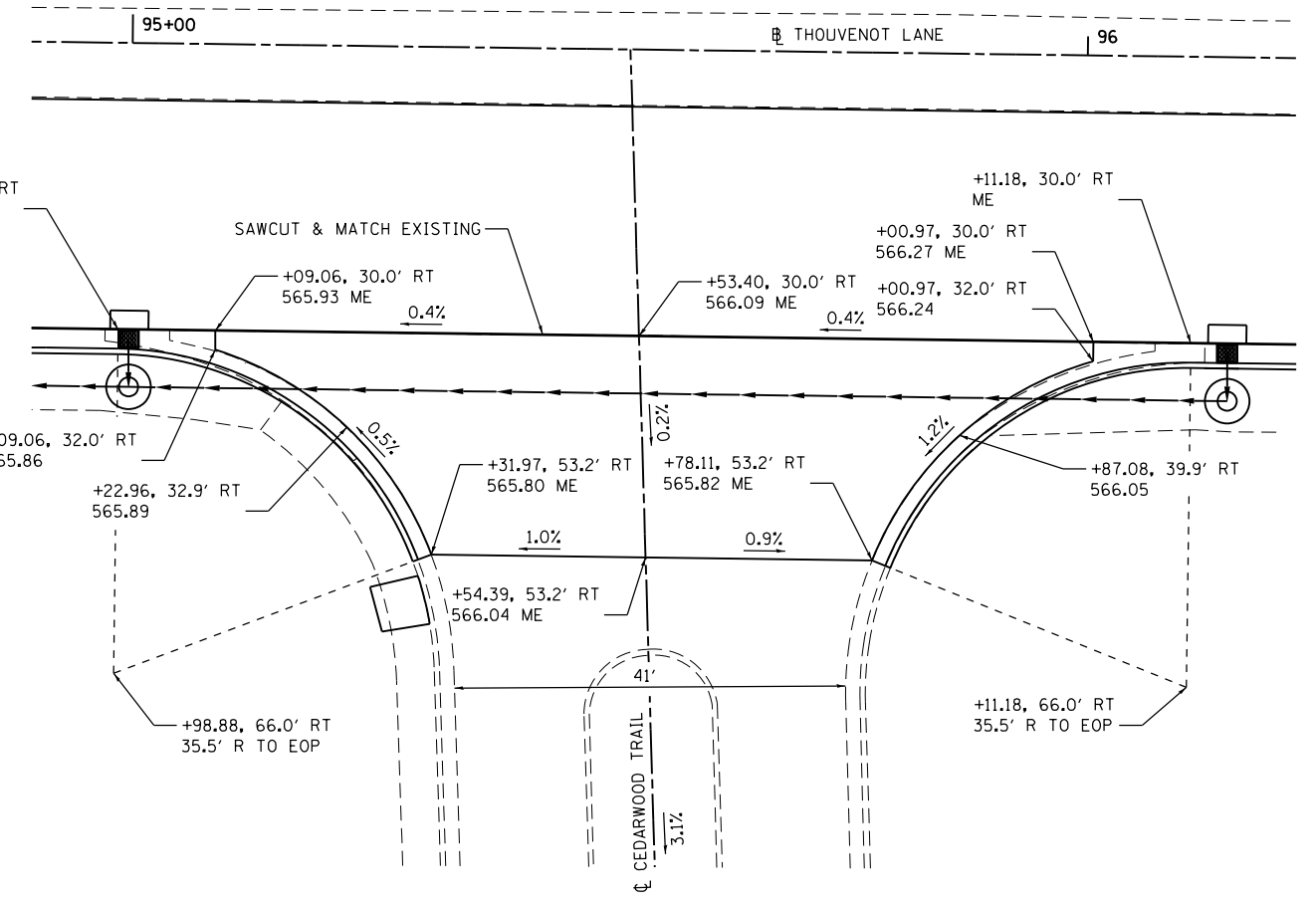
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

| | | | |
|-------------------------|---------|-------------|--------------|
| ENTRANCE DETAILS | | | |
| SCALE: 1" = 10' | SHEET 1 | OF 4 SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|------------------------|------------------|------------------|---------------|
| F.A.U. RTE. 9330 | SECTION 13-00301-15-PW | COUNTY ST. CLAIR | TOTAL SHEETS 251 | SHEET NO. 103 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



BRISTOL HILL DRIVE
75 + 79.30 LT



CEDARWOOD TRAIL
95 + 52.10 RT

MODEL SHEET 2
FILE NAME: H:\R17032 - FSR WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shr-dt-entr-dwg.dgn



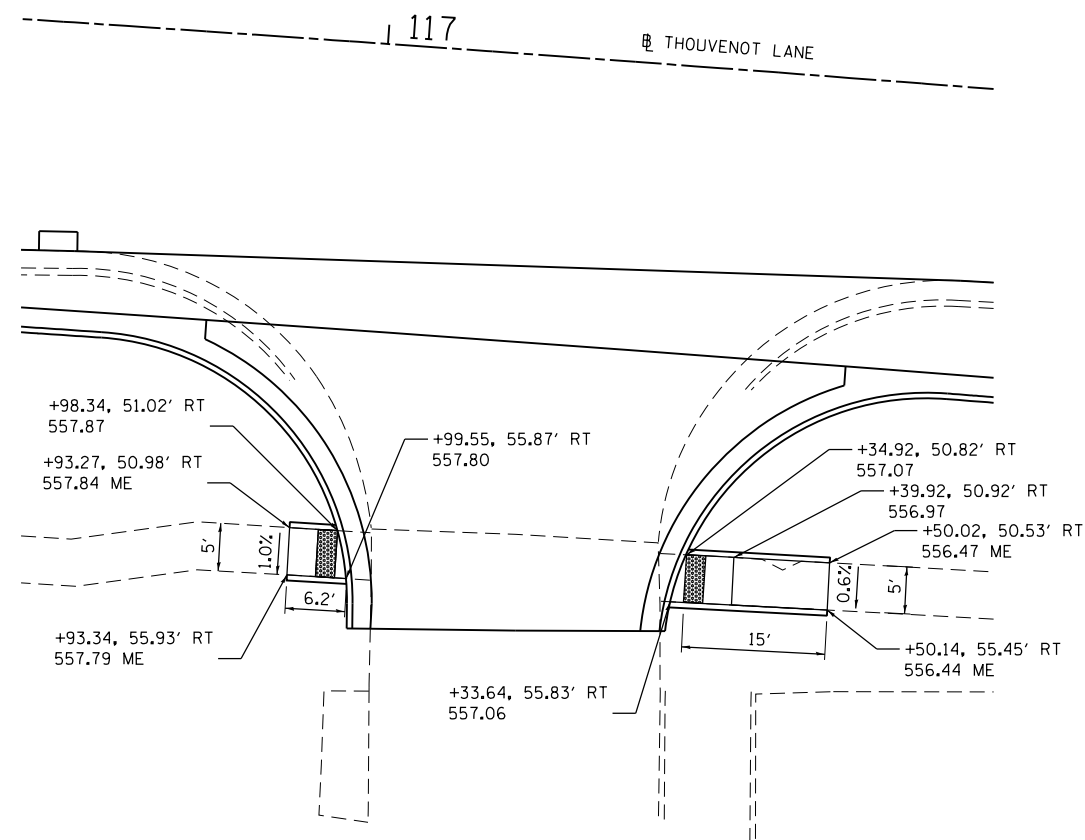
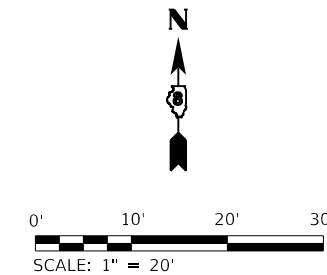
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|------------------------------|------------|-----------|
| USER NAME = scott.feltd | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



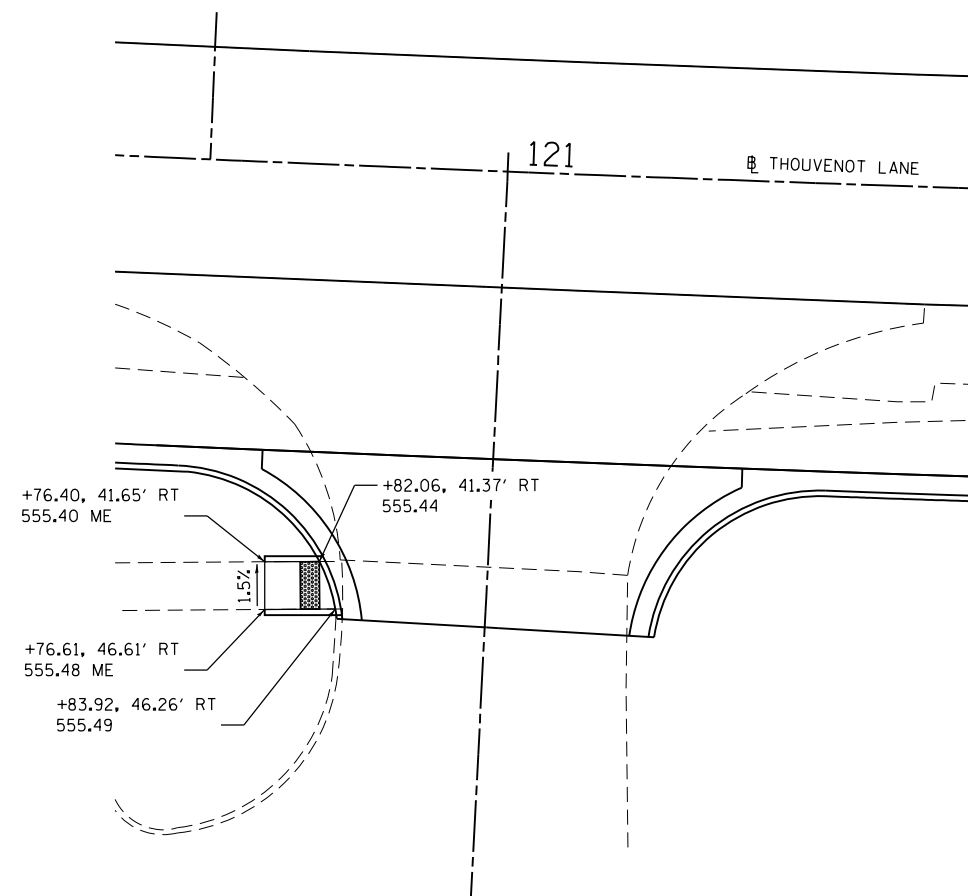
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

| | | | |
|-------------------------|---------|-------------|--------------|
| ENTRANCE DETAILS | | | |
| SCALE: 1" = 10' | SHEET 2 | OF 4 SHEETS | STA. TO STA. |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 104 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



COMMERCIAL ENTRANCE
117 + 14.00 RT



COMMERCIAL ENTRANCE
121 + 00.00 RT

MODEL SHEET 4
FILE NAME: I:\R\17032 - FSR WIDENING PHASE 2\CADD\micrstation\CADD Drawings\17032-shc\entrance.dgn



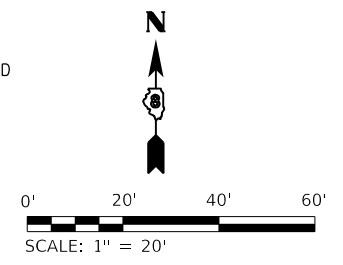
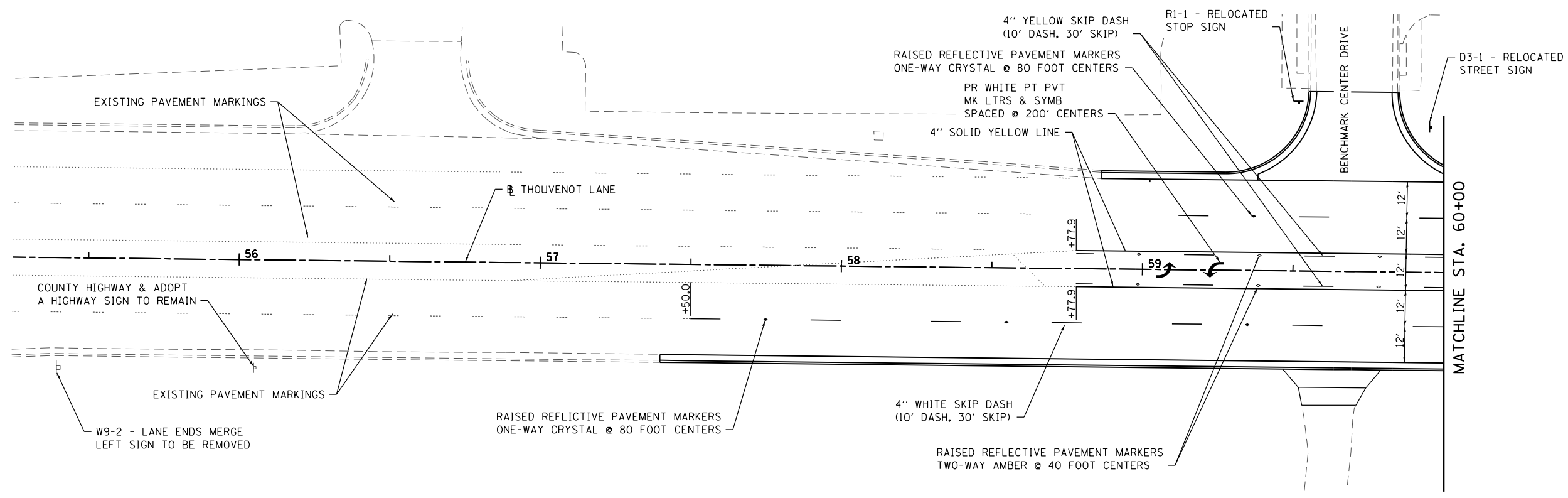
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|------------------------------|------------|-----------|
| USER NAME = scott.feltdt | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 11/12/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



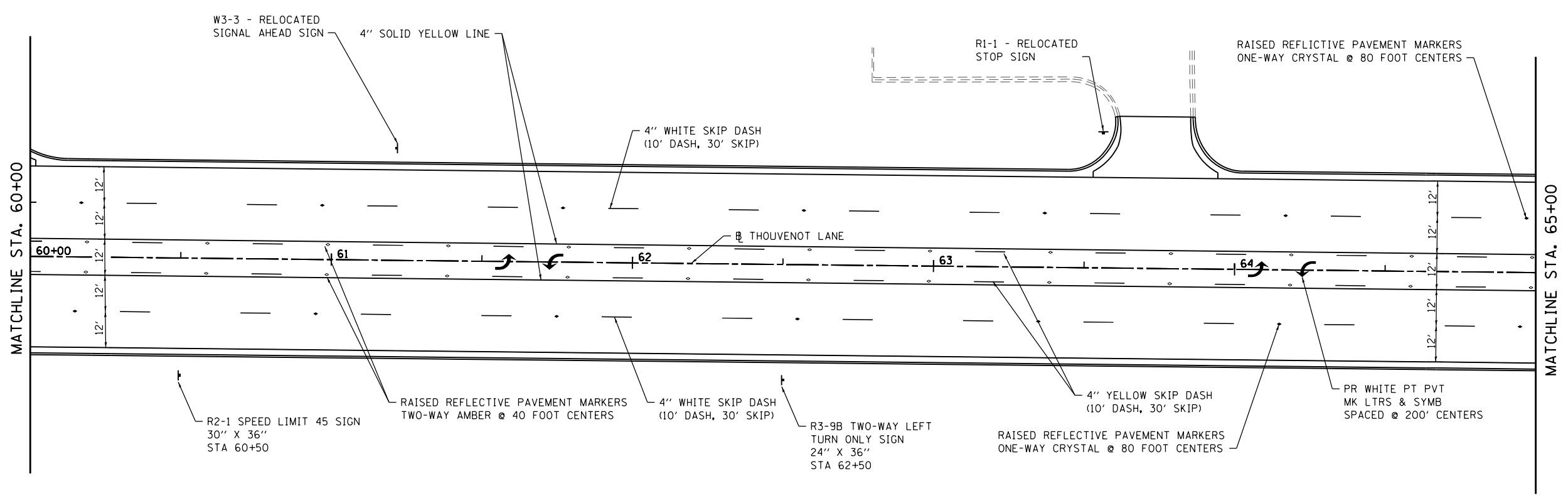
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

| ENTRANCE DETAILS | | | |
|------------------|---------|-------------|--------------|
| SCALE: 1" = 10' | SHEET 4 | OF 4 SHEETS | STA. TO STA. |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 106 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: PAK 01
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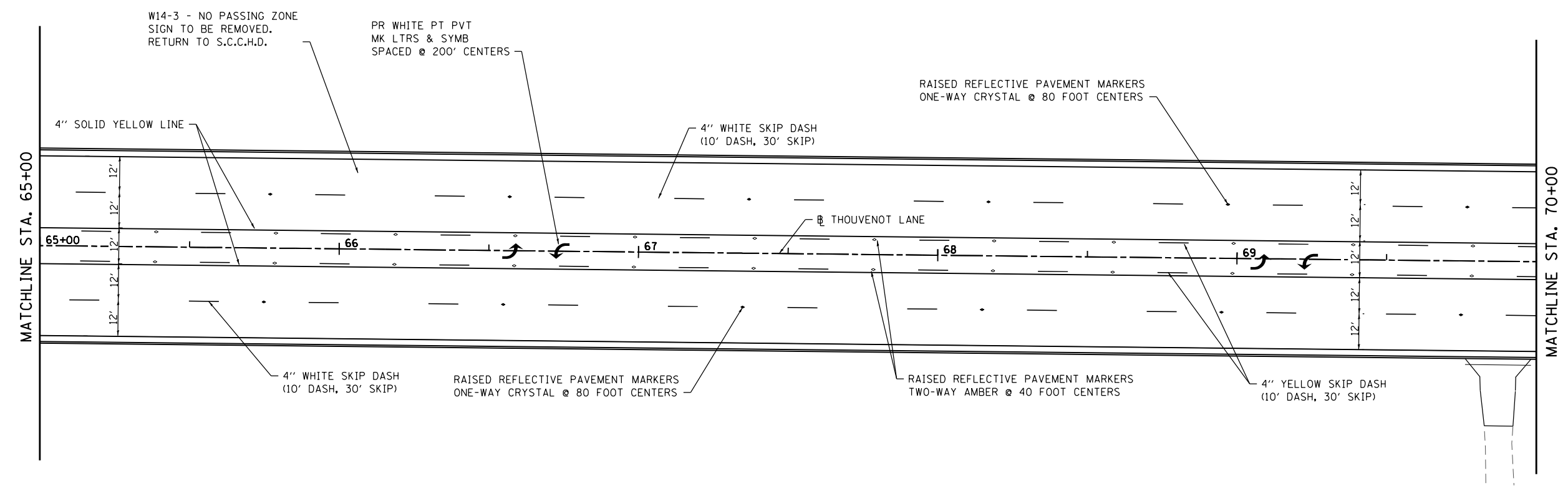
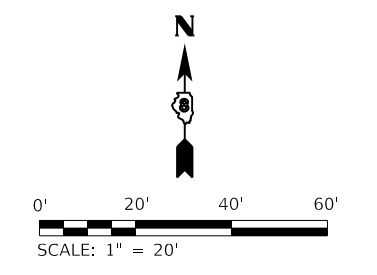
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|-----------------------------|------------------|-----------------|
| USER NAME = scott.felot | DESIGNED - _____ | REVISED - _____ |
| PLOT SCALE = 40.0000' / in. | DRAWN - _____ | REVISED - _____ |
| PLOT DATE = 11/4/2021 | CHECKED - _____ | REVISED - _____ |
| | DATE - _____ | REVISED - _____ |



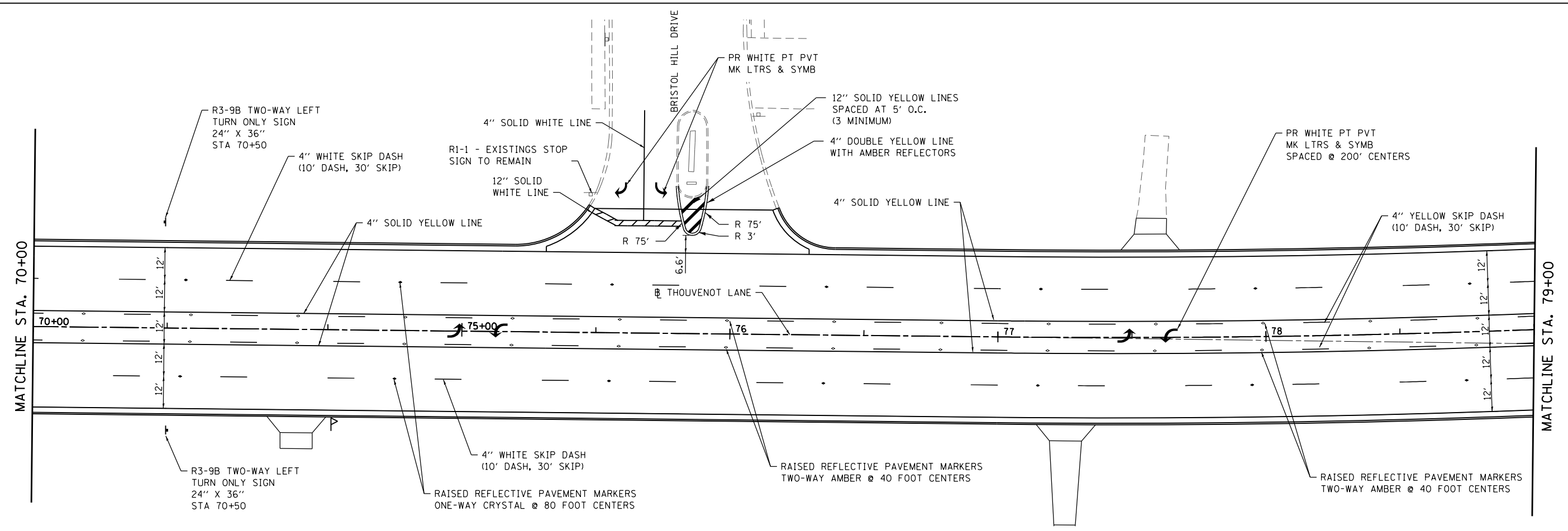
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

| | | | |
|--|----------------------|--------------------------|--|
| PAVEMENT MARKING & SIGNING PLAN | | | |
| SCALE: 1" = 20' | SHEET 1 OF 10 SHEETS | STA. 55+00 TO STA. 65+00 | |

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 107 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: PAK 03
FILE NAME: I:\17032 - ESSE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-pmk.dgn



USER NAME = scott.felot
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 11/4/2021

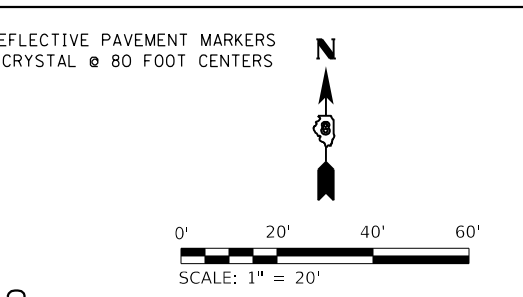
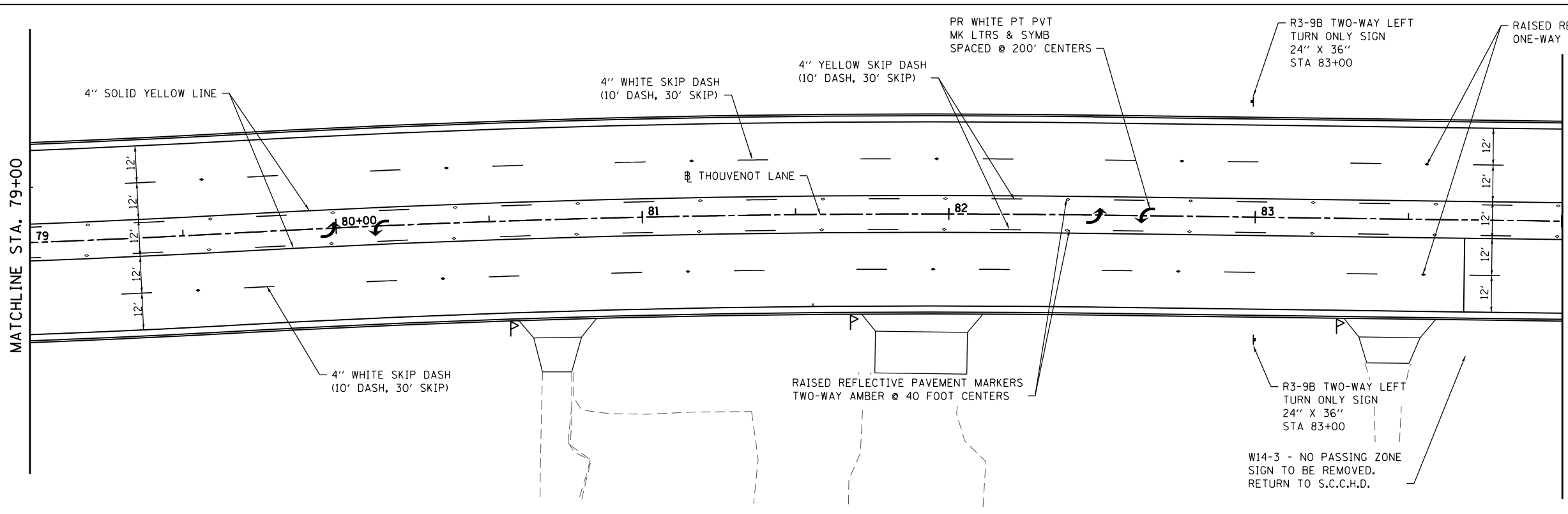
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| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |



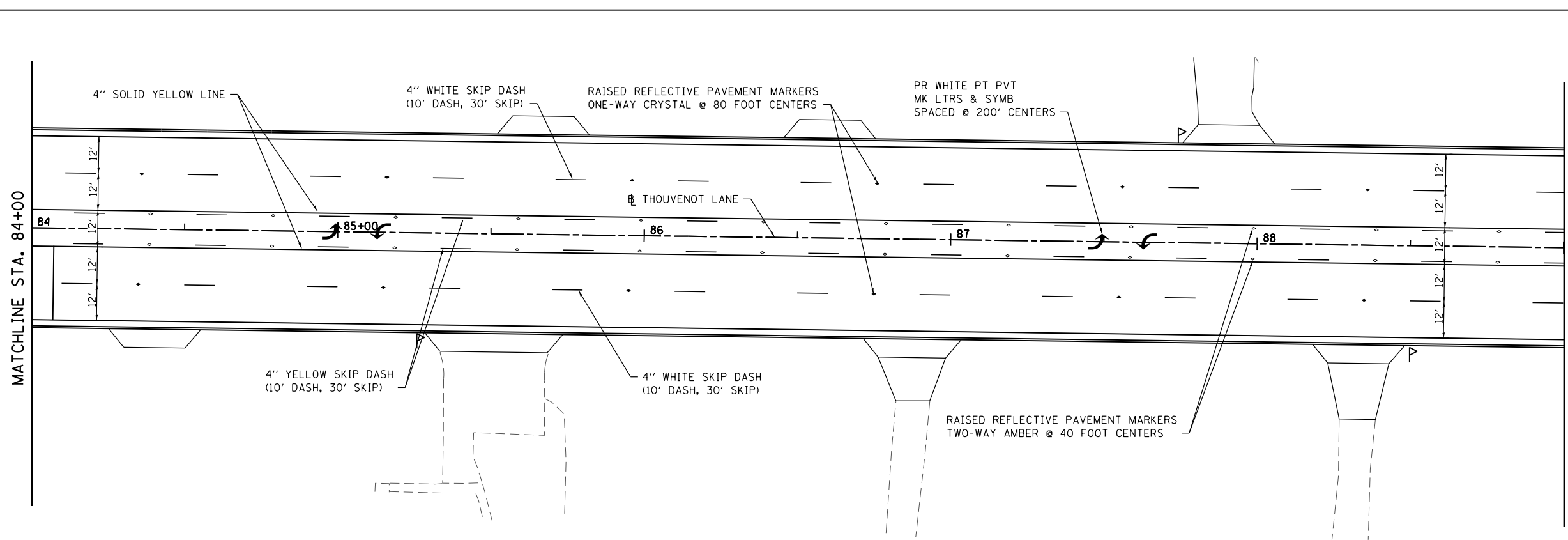
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

PAVEMENT MARKING & SIGNING PLAN
SCALE: 1" = 20' SHEET 2 OF 10 SHEETS STA. 65+00 TO STA. 79+00

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 108 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: RWK_03
FILE NAME: I:\17032 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-pmk.dgn



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PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 11/4/2021

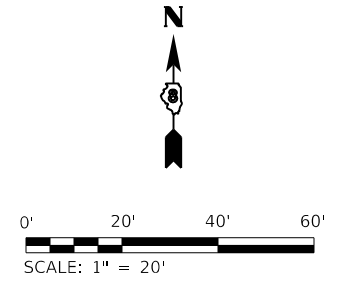
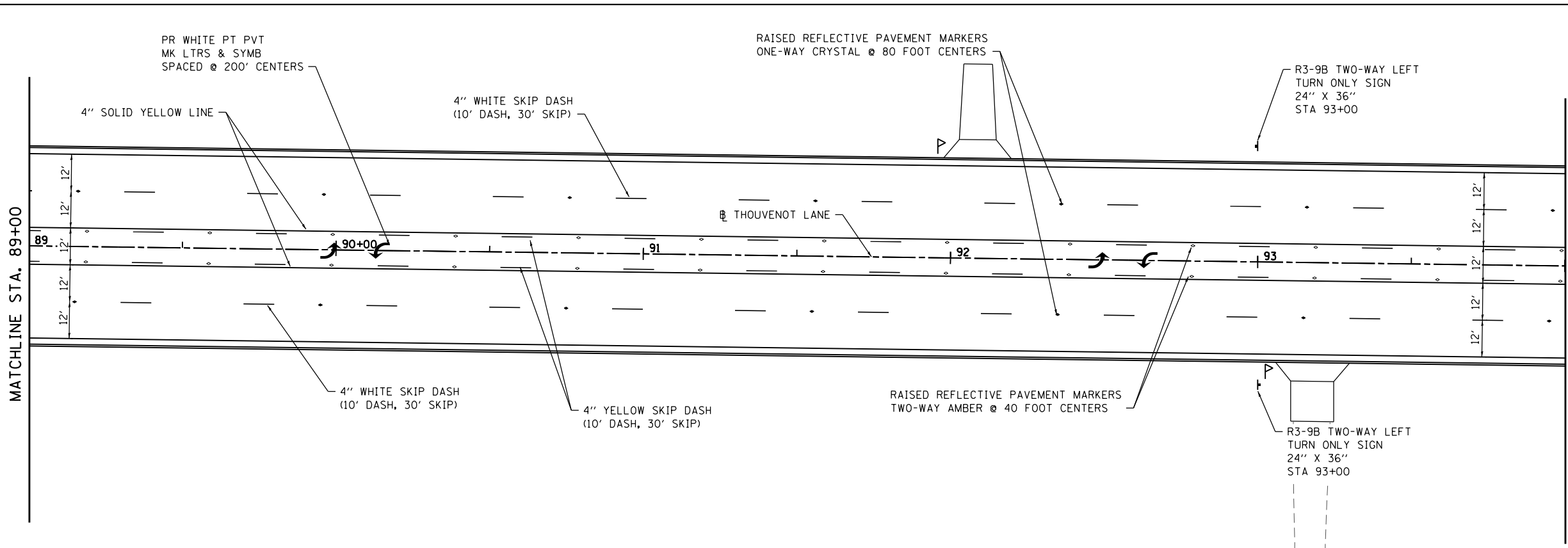
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| DESIGNED - | REVISD - |
| DRAWN - | REVISD - |
| CHECKED - | REVISD - |
| DATE - | REVISD - |



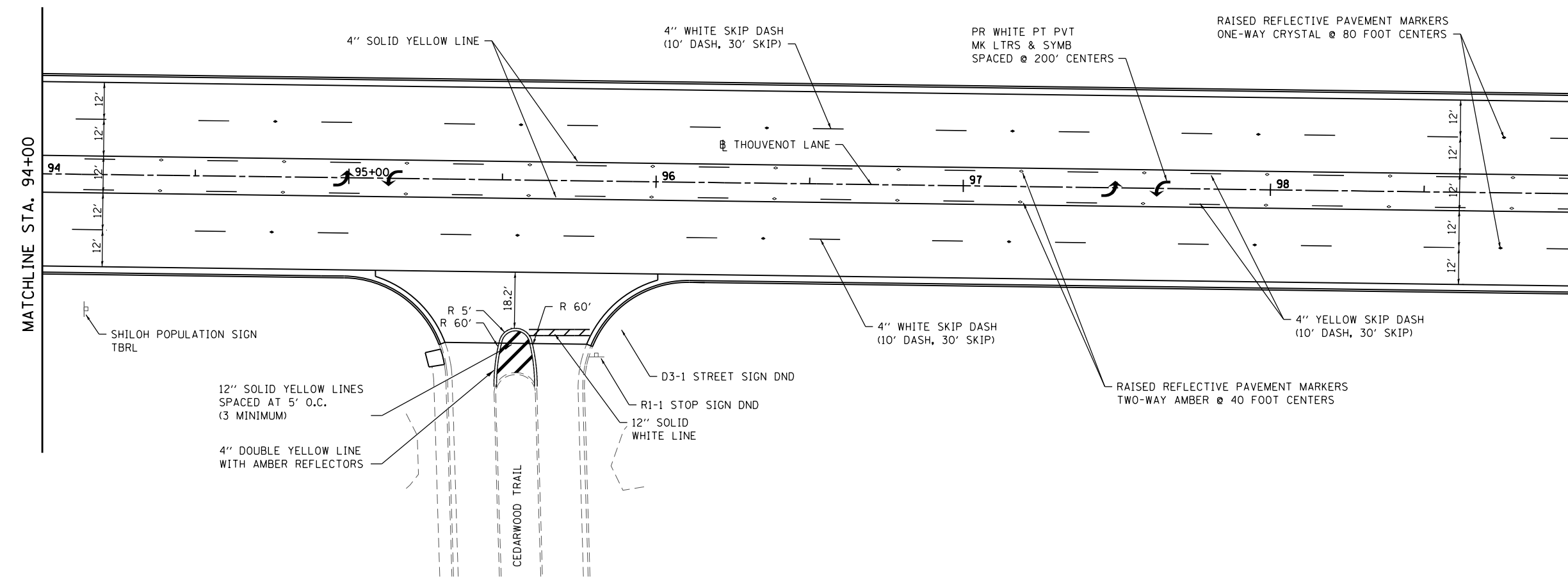
**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

PAVEMENT MARKING & SIGNING PLAN
SCALE: 1" = 20' SHEET 3 OF 10 SHEETS STA. 79+00 TO STA. 89+00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 109 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: PAK 04
FILE NAME: H:\P\17032 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc.dwg
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



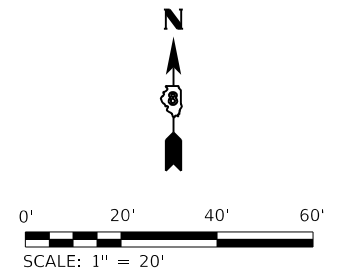
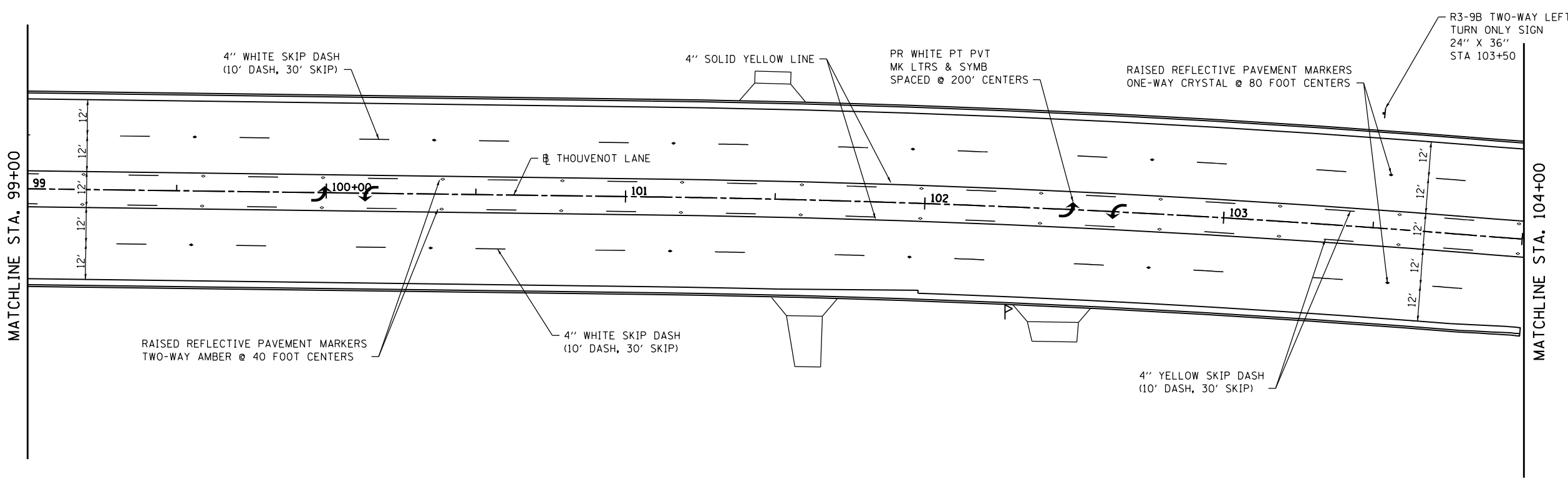
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| USER NAME = scott.felot | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 11/4/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



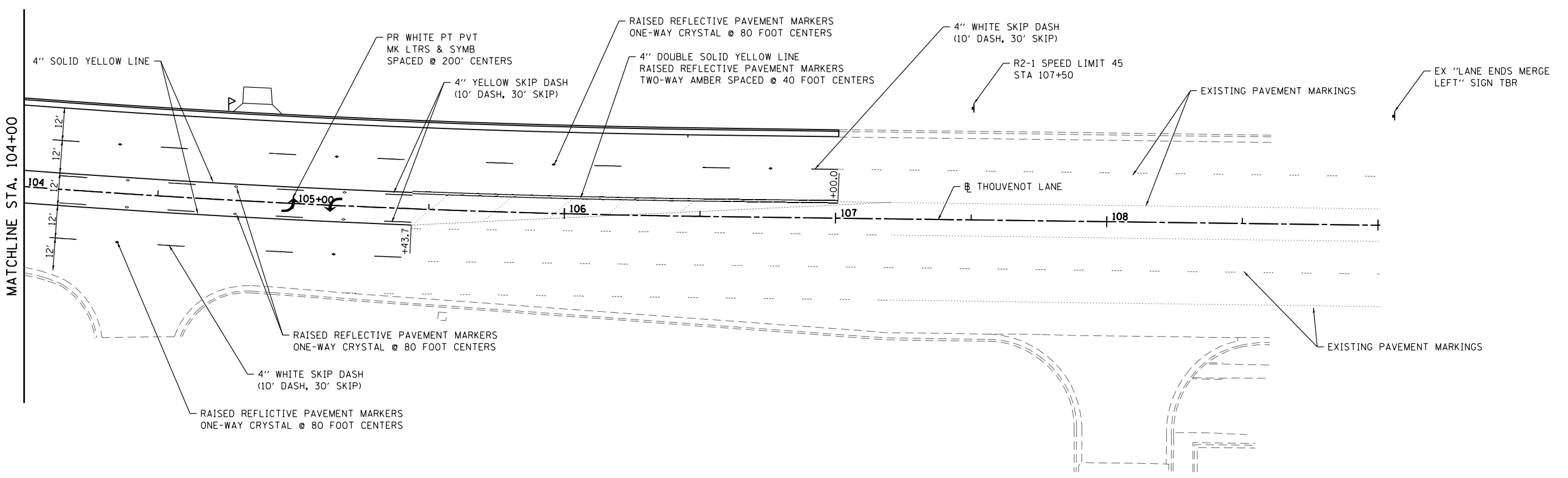
**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

| | | | |
|--|----------------------|------------|---------------|
| PAVEMENT MARKING & SIGNING PLAN | | | |
| SCALE: 1" = 20' | SHEET 4 OF 10 SHEETS | STA. 89+00 | TO STA. 99+00 |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 110 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: RWK_05
FILE NAME: I:\17032 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-plan.dgn



| | | |
|------------------------------|------------|-----------|
| USER NAME = scott.felot | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 11/4/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

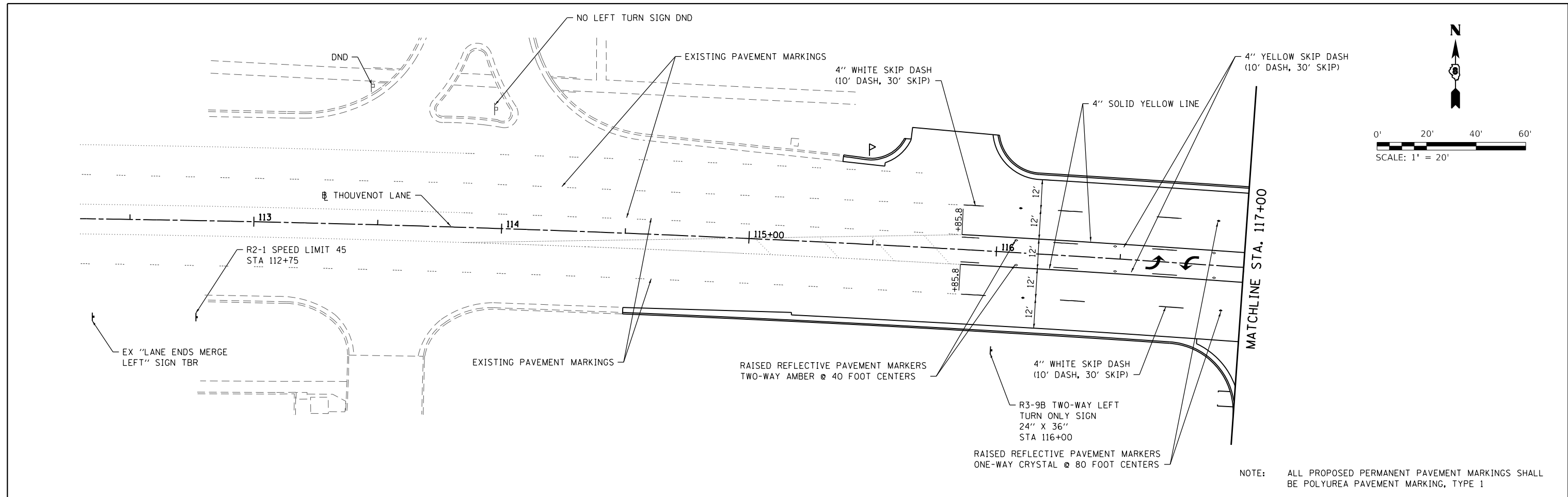
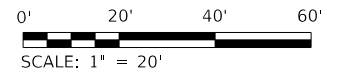
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| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |



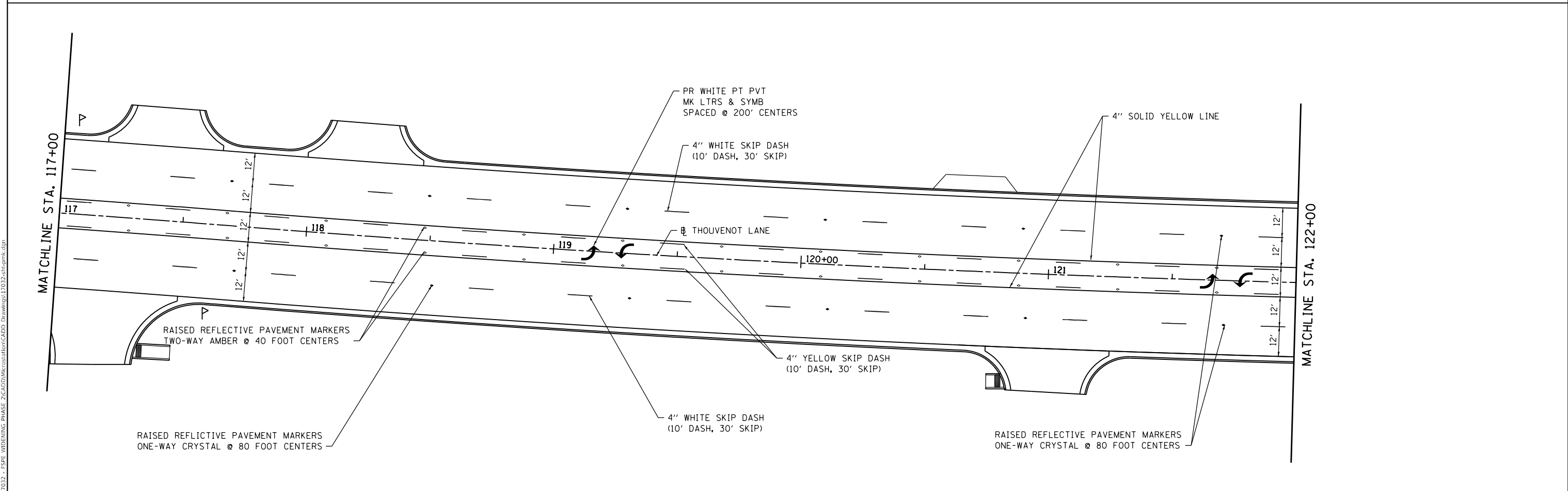
**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

| | | | |
|--|----------------------|------------|----------------|
| PAVEMENT MARKING & SIGNING PLAN | | | |
| SCALE: 1" = 20' | SHEET 5 OF 10 SHEETS | STA. 99+00 | TO STA. 109+00 |

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 111 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: PAK_06
FILE: NAME: I:\R\17032 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-pmk.dgn



| |
|------------------------------|
| USER NAME = scott.felot |
| PLOT SCALE = 40.0000 ' / in. |
| PLOT DATE = 11/4/2021 |

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

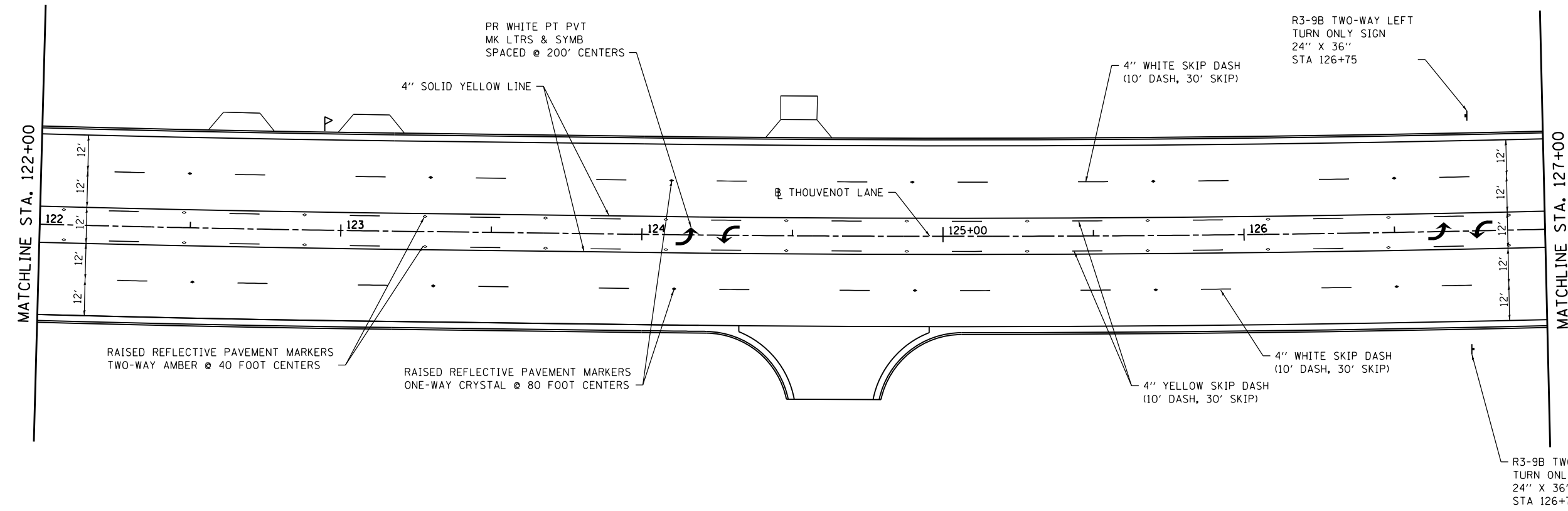
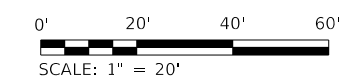
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| DESIGNED - | REVISD - |
| DRAWN - | REVISD - |
| CHECKED - | REVISD - |
| DATE - | REVISD - |



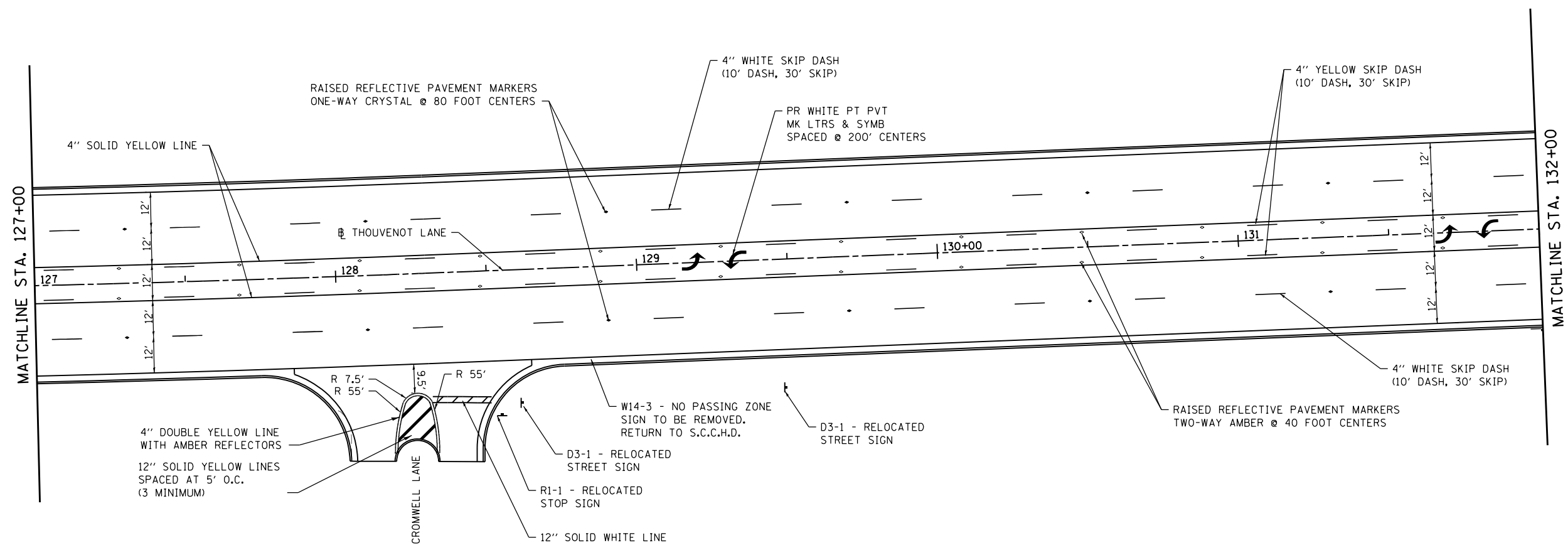
**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

PAVEMENT MARKING & SIGNING PLAN
SCALE: 1" = 20' SHEET 6 OF 10 SHEETS STA. TO STA. 122+00

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 112 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: PAK 07
FILE NAME: H:\P17032 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-pmk.dgn



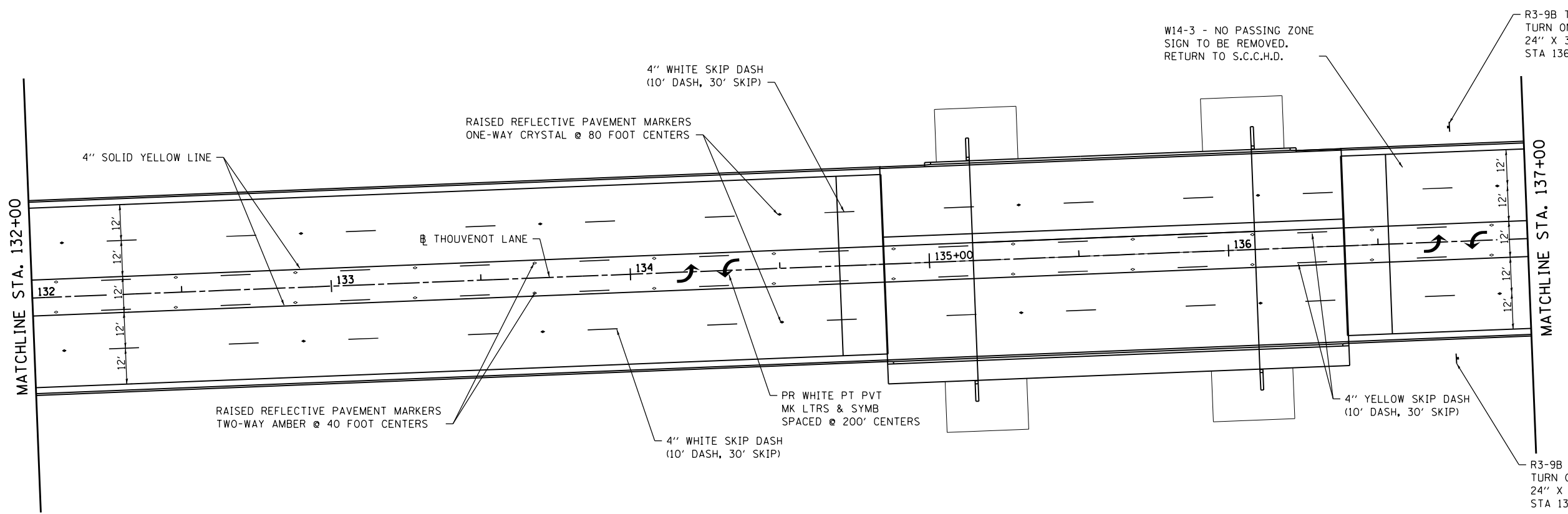
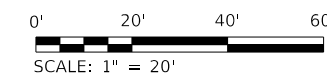
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|------------------------------|------------|-----------|
| USER NAME = scott.felot | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 11/4/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



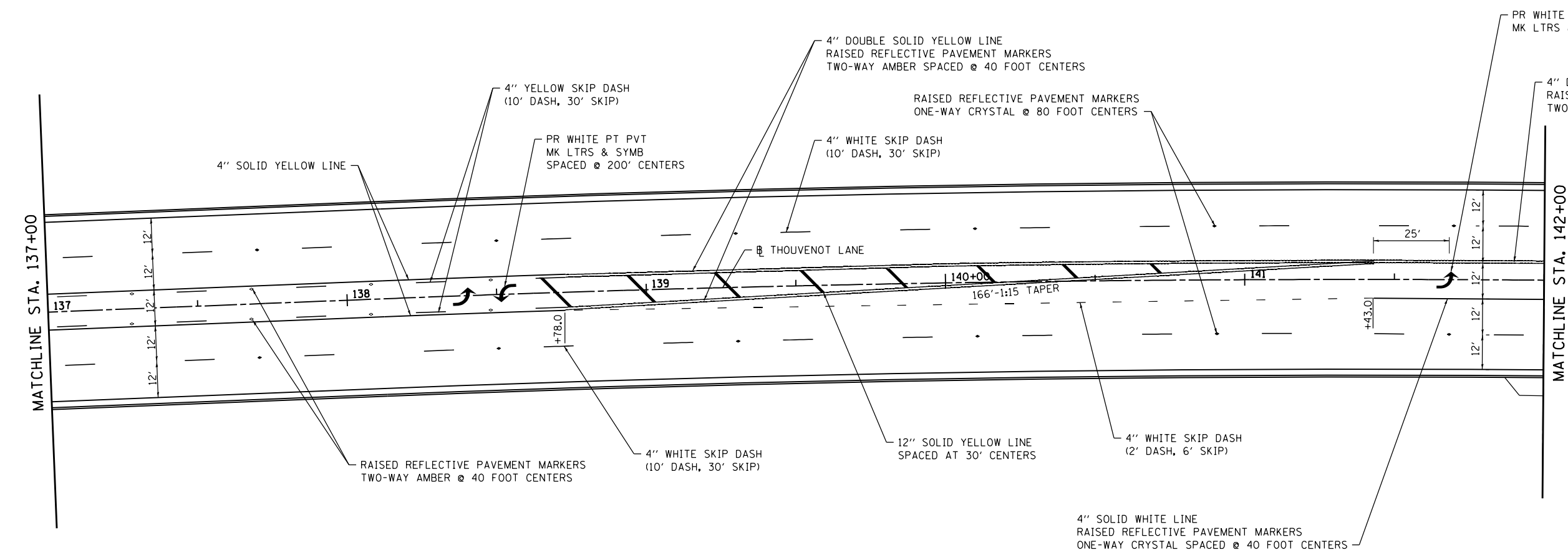
**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

| | |
|--|----------------------|
| PAVEMENT MARKING & SIGNING PLAN | |
| SCALE: 1" = 20' | SHEET 7 OF 10 SHEETS |
| STA. 122+00 | TO STA. 132+00 |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 113 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: PAK 08
FILE NAME: H:\17032 - ES&E WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-pmk.dgn



| | | |
|------------------------------|------------|-----------|
| USER NAME = scott.felot | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 11/4/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

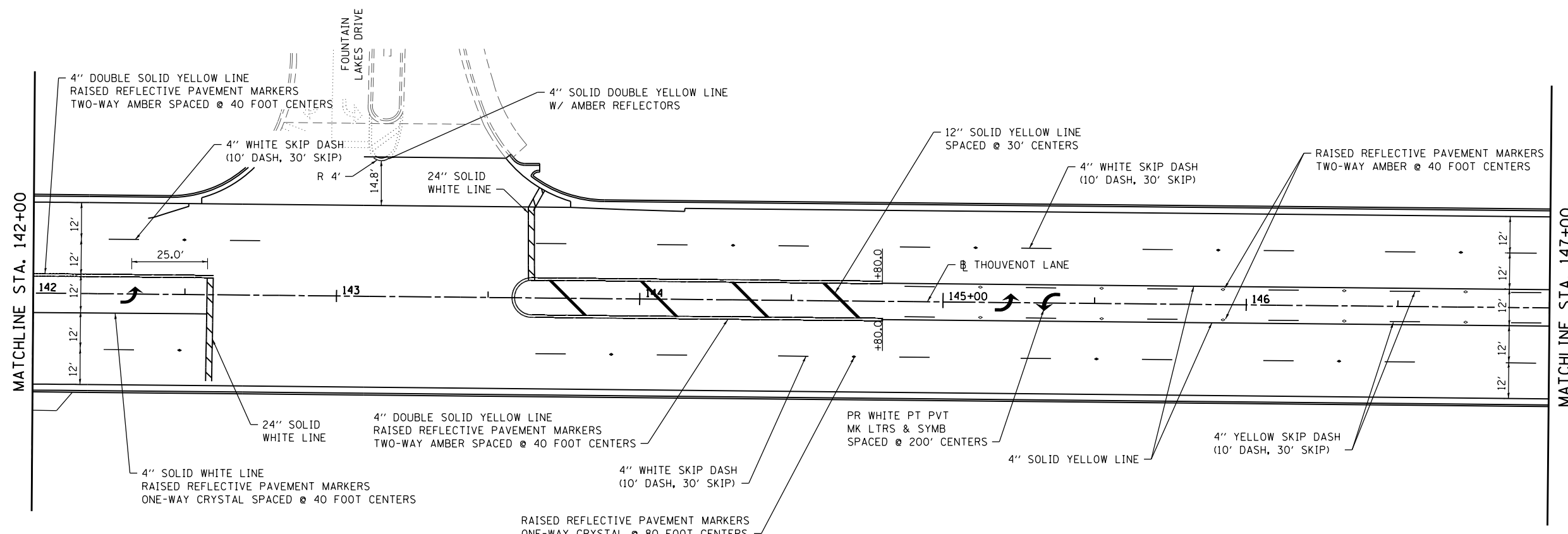
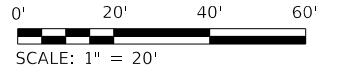


**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

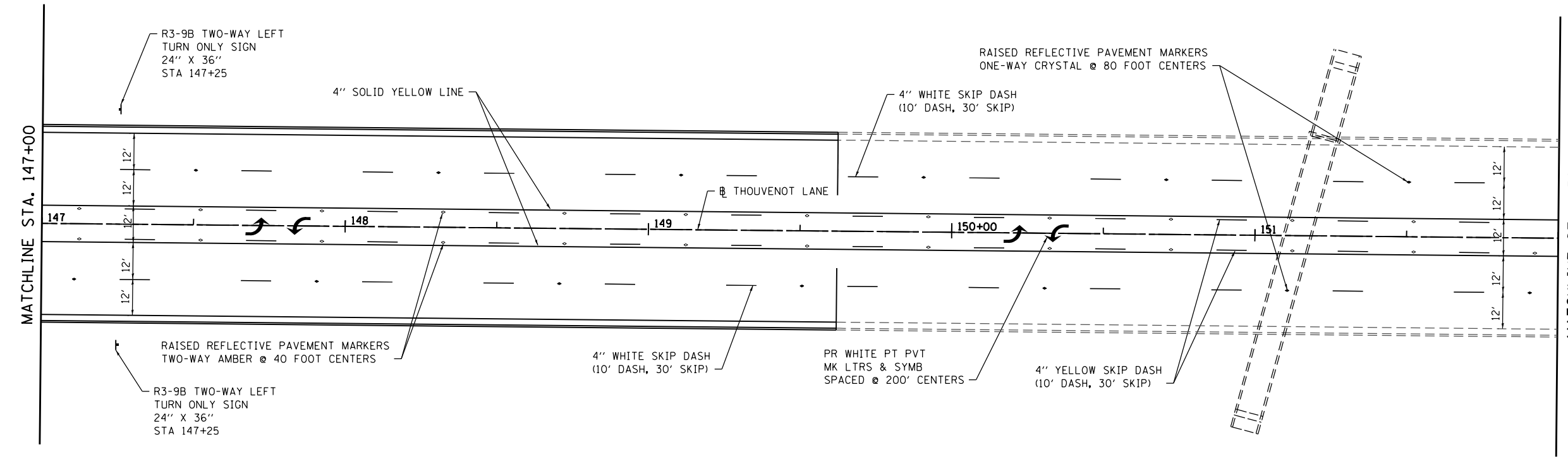
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1" = 20' SHEET 8 OF 10 SHEETS STA. 132+00 TO STA. 142+00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 114 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



MODEL: PAK 03
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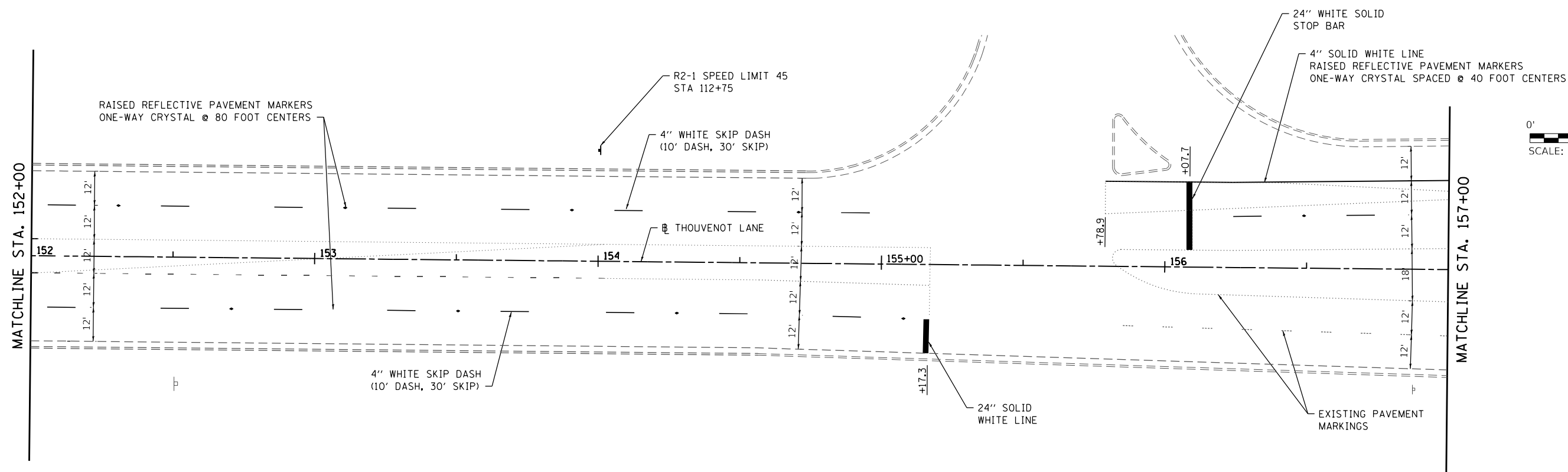
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| USER NAME = scott.felot | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 11/4/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



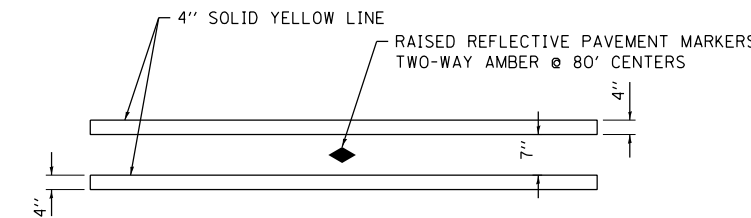
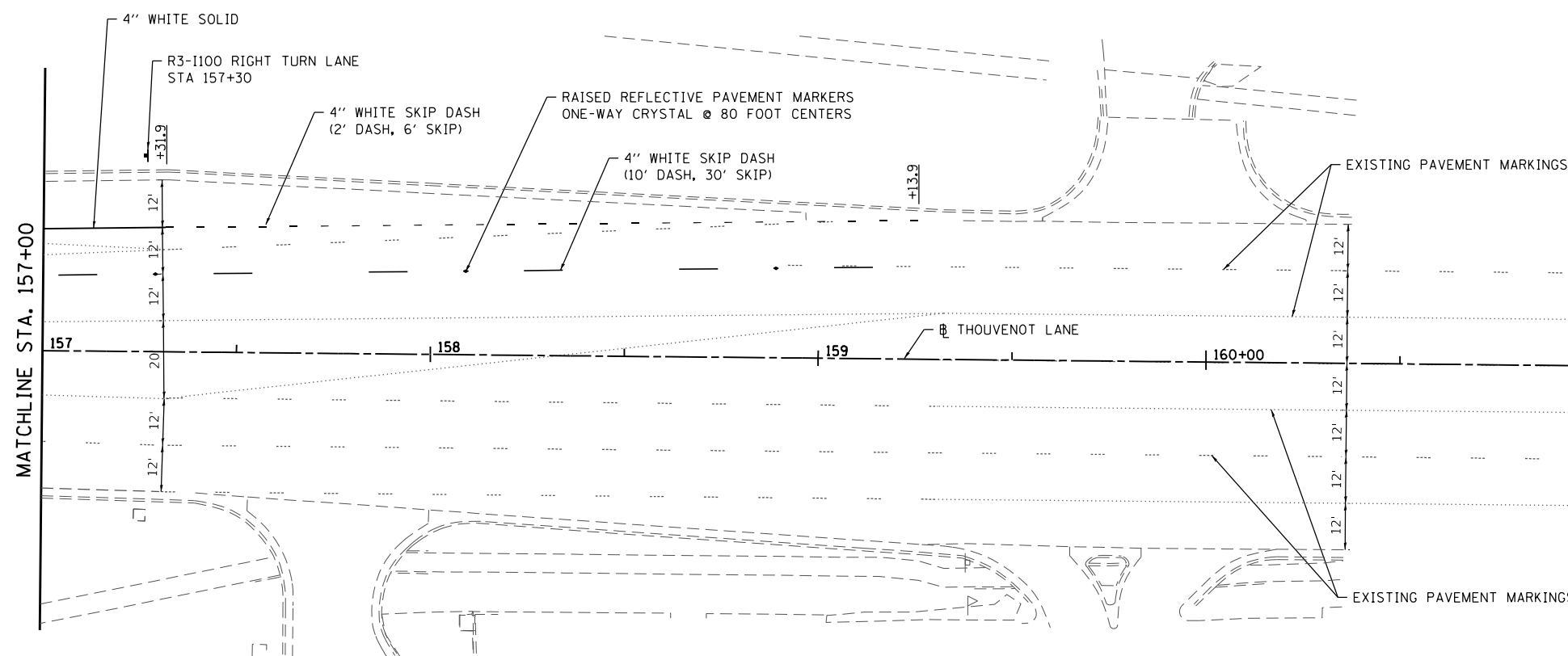
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

| | | | |
|--|----------------------|----------------------------|--|
| PAVEMENT MARKING & SIGNING PLAN | | | |
| SCALE: 1" = 20' | SHEET 9 OF 10 SHEETS | STA. 142+00 TO STA. 152+00 | |

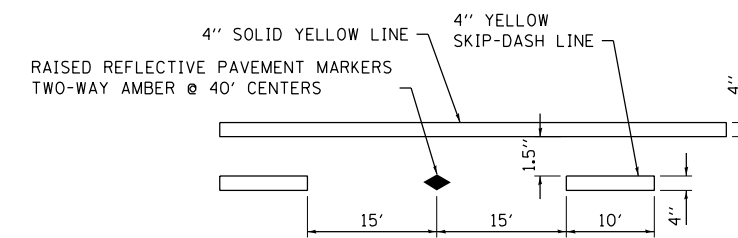
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 115 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTE: ALL PROPOSED PERMANENT PAVEMENT MARKINGS SHALL BE POLYUREA PAVEMENT MARKING, TYPE 1



TYPICAL APPLICATION FOR DOUBLE SOLID YELLOW LINES WITH RAISED REFLECTIVE PAVEMENT MARKINGS



TYPICAL APPLICATION FOR SOLID YELLOW, SKIP-DASH LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKINGS

MODEL: PAK 1.0
FILE NAME: I:\R17032 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-pmk.dgn



USER NAME = scott.felot
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 11/4/2021

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

PAVEMENT MARKING & SIGNING PLAN

SCALE: 1" = 20' SHEET 10 OF 10 SHEETS STA. 152+00 TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 116 |
| CONTRACT NO. 97752 | | | | |

ILLINOIS FED. AID PROJECT

ELECTRICAL GENERAL NOTES

- PRIOR TO COMMENCING CONSTRUCTION OF ANY COMPONENT OF THE PROPOSED TRAFFIC SIGNAL SYSTEM, ALL UNDERGROUND UTILITIES SHALL BE FIELD LOCATED ACCORDING TO ARTICLE 107.37 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED IN THE GENERAL NOTES OF THE PLANS. CALL J.U.L.I.E. (800) 892-0123 ONE WEEK BEFORE PLANNING TO DIG. IT MAY BE NECESSARY TO HAND DIG TEST HOLES TO EXPOSE EXISTING UTILITIES AT SOME LOCATIONS.
- THE EXISTING SIGNS ON THE EXISTING MAST ARM IN THE SOUTHEAST AND SOUTHWEST QUADRANTS SHALL BE RELOCATED TO THE NEW MAST ARM AND ATTACHED WITH NEW HARDWARE PER SECTION 720 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND HIGHWAY STANDARDS 720001 AND 720016.
- TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
- THE QUANTITIES SHOWN FOR TRAFFIC SIGNAL CABLE IN CONDUIT AND REMOVAL OF ELECTRIC CABLE FROM CONDUIT ASSUME THAT ALL CABLE IN EXISTING CONDUIT WILL NEED TO BE REPLACED. IF IT IS DETERMINED IN THE FIELD THAT THIS CABLE IS SUITABLE FOR USE AND IT WILL NOT BE DAMAGED WHILE PULLING ADDITIONAL CABLE THROUGH THE CONDUIT, IT MAY BE RE-USED.
- MOUNTING HARDWARE, SIGNAL POSTS AND BASES SHALL BE UNPAINTED ALUMINUM. BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
- THE FOLLOWING DEPTHS OF CONCRETE FOUNDATIONS FOR MAST ARM POLES HAVE BEEN DETERMINED FROM SOIL BORING DATA:
SE CORNER: 13' 0"
SW CORNER: 13' 0"
- THE LOCATION OF SIGNAL HEADS ON MAST ARMS SHALL BE APPROVED BY THE ENGINEER BEFORE MAST ARMS ARE INSTALLED.
- BACKPLATES SHALL BE ABS PLASTIC AND REFLECTIVE.
- INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL BE RACK MOUNTED AND SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED.
- CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE. "CALL CARRY-OVER" SHALL FUNCTION ONLY WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
- THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
- DURING SAWING OPERATIONS, THE CONTRACTOR SHALL CONTROL DUST SO THAT IT DOES NOT BECOME AIRBORNE AND DRIFT INTO TRAFFIC OR ONTO ADJACENT PROPERTIES.
- DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD WITH NON-HARDENING EPOXY FILLER. RESIN CORE SOLDER SHALL BE USED.
- PROPOSED CONDUIT SHALL BE PVC UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL BE PLACED AND BACKFILLED PRIOR TO CONSTRUCTION OF NEW PAVEMENT, SHOULDER AND CURB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PUSHING OR PULLING CONDUIT AFTER SUCH WORK HAS BEEN COMPLETED.
- CONDUIT SPLICES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED PART OF THE NEW CONDUIT INSTALLATION.
- A 1/4" DIAMETER NYLON PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS.
- HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE ACCORDING TO ARTICLE 814.03(a) OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". HANDHOLE COVERS SHALL BE SLOPED TO MATCH PROPOSED CONTOURS.

- CONNECTION TO AN EXISTING HANDHOLE IS INCIDENTAL TO THE COST OF PROPOSED CONDUIT.
- THE FOLLOWING ABBREVIATIONS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

| | |
|-------|--------------------------------------|
| ABND | ABANDON |
| ALUM | ALUMINUM |
| BM | BRACKET MOUNTED |
| EQUIP | EQUIPMENT |
| GSC | GALVANIZED STEEL CONDUIT |
| MA | MAST ARM |
| MAM | MAST ARM MOUNTED |
| PED | PEDESTRIAN |
| PVC | POLYVINYL CHLORIDE CONDUIT |
| PB | PUSH-BUTTON |
| RELOC | RELOCATE |
| REC | REMOVE ELECTRICAL CABLE FROM CONDUIT |
| SH | SIGNAL HEAD |
| UC | UNDERGROUND CONDUIT |

TRAFFIC SIGNAL LEGEND

| | |
|--|---|
| | PROPOSED SIGNAL HEAD WITH BACKPLATE (SEE HIGHWAY STANDARD 880006) |
| | EXISTING SIGNAL HEAD WITH BACKPLATE |
| | PROPOSED HANDHOLE |
| | EXISTING HANDHOLE |
| | EXISTING DOUBLE HANDHOLE |
| | PROPOSED DETECTOR LOOP (SEE HIGHWAY STANDARDS 886001 & 886006) |
| | EXISTING DETECTOR LOOP (SEE HIGHWAY STANDARDS 886001 & 886006) |
| | PROPOSED CONDUIT: "T" TRENCH, "P" PUSHED, SIZE SPECIFIED |
| | EXISTING CONDUIT: SIZE SPECIFIED |
| | PVCC POLYVINYL CHLORIDE CONDUIT |
| | GSC GALVANIZED STEEL CONDUIT |
| | REC REMOVE ELECTRIC CABLE FROM CONDUIT |
| | PROPOSED SIGN |
| | EXISTING MAST ARM |
| | PROPOSED MAST ARM |
| | EXISTING SIGNAL HEAD, PEDESTRIAN |
| | EXISTING PEDESTRIAN PUSHBUTTON DETECTOR |
| | EXISTING CONTROLLER |
| | EXISTING SIGNAL POST |
| | PROPOSED SIGNAL POST |
| | PROPOSED STREET NAME SIGN/TRAFFIC SIGN MOUNTED ON MAST ARM |

TRAFFIC SIGNAL SCHEDULE

| CODE NO. | ITEM | UNIT | TOTAL QUANTITIES |
|----------|--|------|------------------|
| 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 98 |
| 81028320 | UNDERGROUND CONDUIT, PVC, 1" DIA. | FOOT | 533 |
| 81028340 | UNDERGROUND CONDUIT, PVC, 1 1/2" DIA. | FOOT | 11 |
| 81028350 | UNDERGROUND CONDUIT, PVC, 2" DIA. | FOOT | 118 |
| 81400700 | HANDHOLE, PORTLAND CEMENT CONCRETE | EACH | 6 |
| 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 694 |
| 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 907 |
| 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 3,087 |
| 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 3,624 |
| 87700250 | STEEL MAST ARM ASSEMBLY AND POLE, 42 FT. | EACH | 1 |
| 87700260 | STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 |
| 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 26 |
| 88040070 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 1 |
| 88040090 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | EACH | 1 |
| 88200100 | TRAFFIC SIGNAL BACKPLATE | EACH | 2 |
| 88600100 | DETECTOR LOOP, TYPE I | FOOT | 340 |
| 88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 589 |
| 89500100 | RELOCATE EXISTING SIGNAL HEAD | EACH | 5 |
| 89502200 | MODIFY EXISTING CONTROLLER | EACH | 1 |
| 89502300 | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 2,410 |
| 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 2 |
| 89502380 | REMOVE EXISTING HANDHOLE | EACH | 6 |
| 89502385 | REMOVE EXISTING CONCRETE FOUNDATION | EACH | 2 |
| X8140115 | HANDHOLE TO BE ADJUSTED | EACH | 3 |
| X8950450 | REMOVE EXISTING UNDERGROUND CONDUIT | FOOT | 635 |

STANDARDS FOR TRAFFIC SIGNAL SHEETS

| | |
|--------|---|
| 720001 | SIGN PANEL MOUNTING DETAILS |
| 720016 | MAST ARM MOUNTED STREET NAME SIGNS |
| 814001 | HANDHOLES |
| 857001 | STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES |
| 873001 | TRAFFIC SIGNAL GROUNDING & BONDING |
| 877001 | STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 878001 | CONCRETE FOUNDATION DETAILS |
| 880006 | TRAFFIC SIGNAL MOUNTING DETAILS |
| 886001 | DETECTOR LOOP INSTALLATIONS |
| 886006 | TYPICAL LAYOUTS FOR DETECTION LOOPS |

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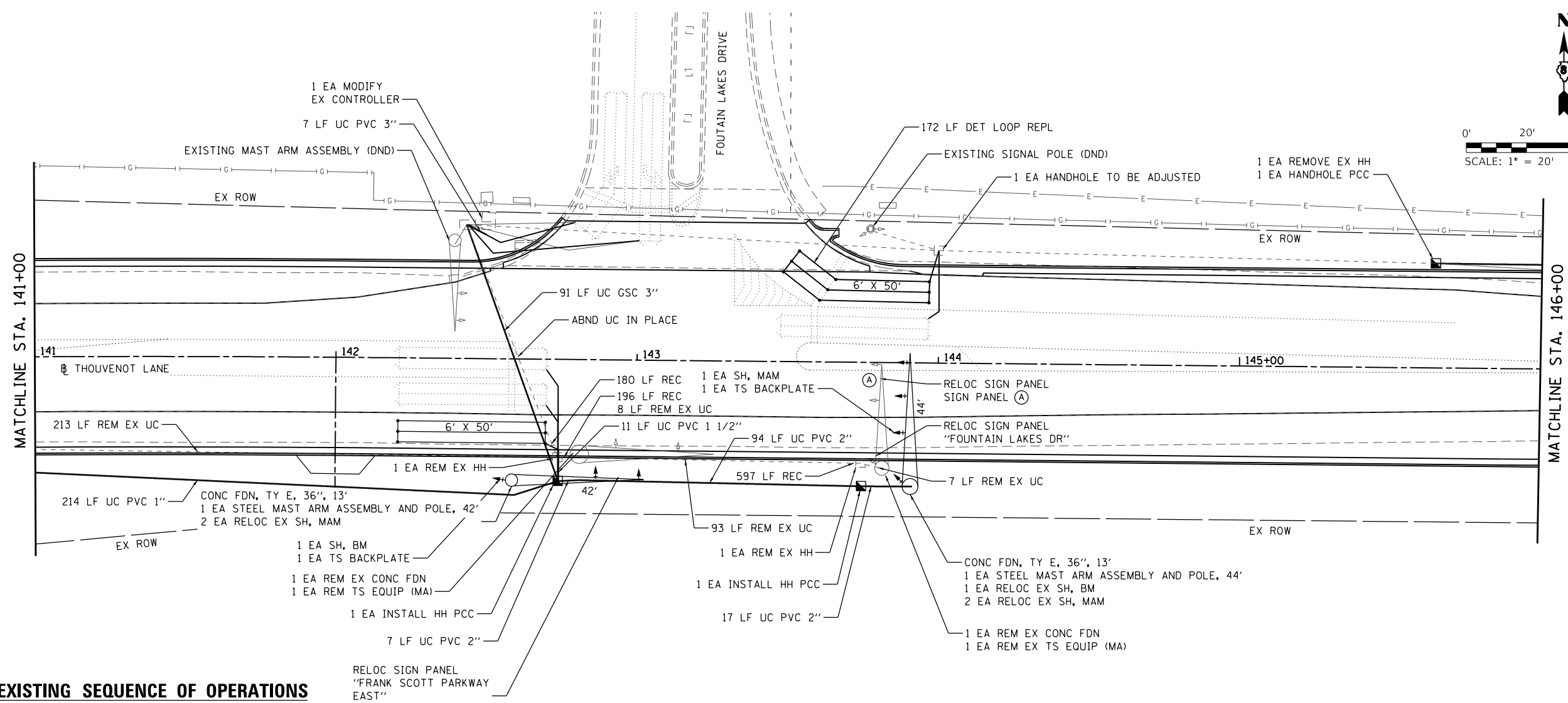
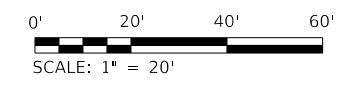
OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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|------------------------------|------------|-----------|
| USER NAME = scott.felot | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

| | |
|-----------------------|----------------------------------|
| TRAFFIC SIGNAL SHEETS | |
| SCALE: | SHEET 1 OF 4 SHEETS STA. TO STA. |

| | | | | |
|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 117 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

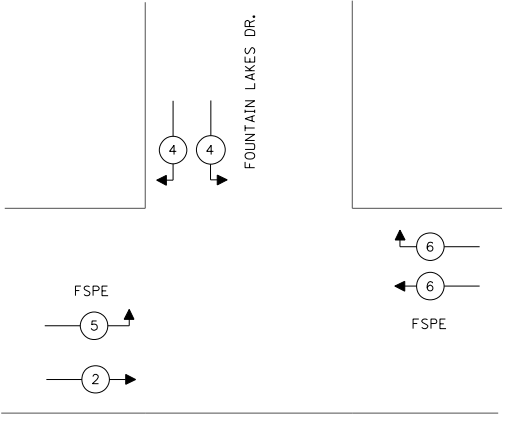


EXISTING SEQUENCE OF OPERATIONS

| EXISTING FULL-ACTUATED CONTROLLER AND TYPE IV CABINET | | | | | | | | |
|---|----------|--------|----------|------|---|---|----------|----------|
| PHASE Ø | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| MOVEMENT | NOT USED | → | NOT USED | ↔ | ↗ | ↖ | NOT USED | NOT USED |
| CONCURRENT MOVEMENT PERMITTED | | 5 OR 6 | | NONE | 2 | 2 | | |

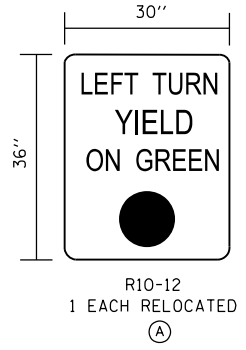
PROPOSED SEQUENCE OF OPERATIONS

| EXISTING FULL-ACTUATED CONTROLLER AND TYPE IV CABINET | | | | | | | | |
|---|----------|--------|----------|------|---|---|----------|----------|
| PHASE Ø | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| MOVEMENT | NOT USED | → | NOT USED | ↔ | ↗ | ↖ | NOT USED | NOT USED |
| CONCURRENT MOVEMENT PERMITTED | | 5 OR 6 | | NONE | 2 | 2 | | |



PHASE DESIGNATION DIAGRAM

LEGEND
 (X) VEHICULAR PHASE NUMBER, X



TRAFFIC SIGNAL SIGN PANELS

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 PLOT SCALE = 40.0000' / in.
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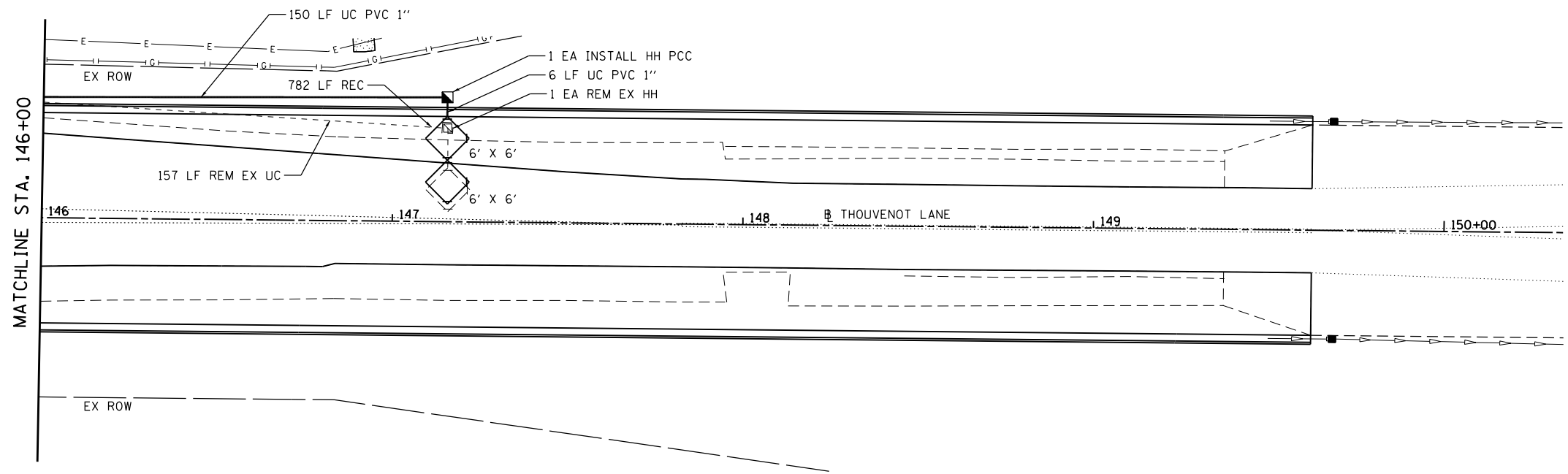
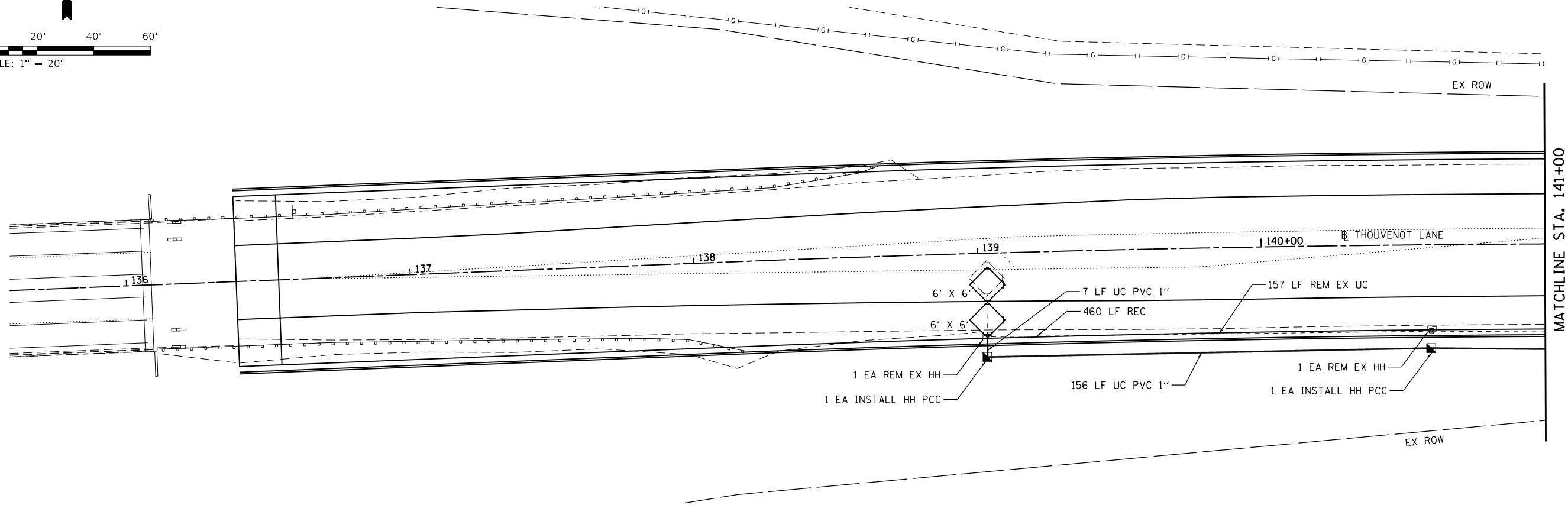
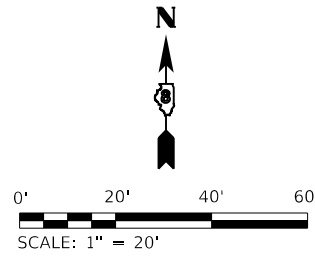
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TRAFFIC SIGNAL SHEETS

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 118 |
| CONTRACT NO. 97752 | | | | |

ILLINOIS FED. AID PROJECT



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| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

TRAFFIC SIGNAL SHEETS

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 119 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SERVICE #6 2/C

EXISTING CONTROLLER

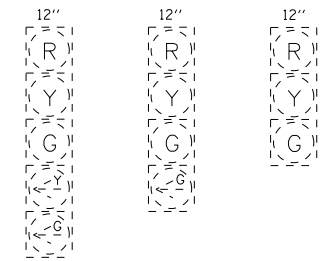
LEAD-IN, NO. 14, 1 PAIR

LEAD-IN, NO. 14, 1 PAIR

FOUNTAIN LAKES DRIVE

SIGNAL, NO. 14, 7/C

SIGNAL, NO. 14, 5/C



EXISTING TRAFFIC SIGNAL FACES



PROPOSED TRAFFIC SIGNAL FACES

NOTE 1: EXISTING SIGNAL HEADS AND BACKPLATES TO BE RE-USED.

CABLE DIAGRAM LEGEND

- PROPOSED ELECTRIC CABLE IN CONDUIT
- S — PROPOSED CABLE SPLICE (SEE ELECTRICAL GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- C.D. CALL DELAY (SEE ELECTRICAL GENERAL NOTES)
- C.C.O. CALL CARRY OVER (SEE ELECTRICAL GENERAL NOTES)
- NO. 6 INDICATES AMERICAN WIRE (AWG) SIZE 6
- #6 LOOP DETECTOR NUMBER
- ⊙ PROPOSED PEDESTRIAN PUSH BUTTON
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- - - - - S - - - - - EXISTING CABLE SPLICE (SEE ELECTRICAL GENERAL NOTES)
- ⊙ EXISTING PEDESTRIAN PUSH BUTTON
- - - - - EXISTING SERVICE INSTALLATION

SIGNAL, NO. 14, 5/C

SIGNAL, NO. 14, 5/C

FRANK SCOTT PARKWAY EAST

LEAD-IN, NO. 14, 1 PAIR

LEAD-IN, NO. 14, 1 PAIR

LEAD-IN, NO. 14, 1 PAIR

FRANK SCOTT PARKWAY EAST

SIGNAL, NO. 14, 7/C (NOTE 1)

SIGNAL, NO. 14, 5/C (NOTE 1)

SIGNAL, NO. 14, 5/C

LEAD-IN, NO. 14, 1 PAIR

LEAD-IN, NO. 14, 1 PAIR

SIGNAL, NO. 14, 7/C (NOTE 1)

A

SIGNAL, NO. 14, 5/C (NOTE 1)

SIGNAL, NO. 14, 7/C (NOTE 1)

SIGNAL, NO. 14, 7/C (NOTE 1)

DETECTOR LOOP REQUIREMENTS & CALCULATIONS

| LOOP NO. | LOCATION | PHASE | LOOP SIZE (FOOT) | REQUIRED NO. OF TURNS | LEAD-IN LENGTH (FOOT) | CALCULATED INDUCTANCE (NOTE 1) (MICROHENRIES) | CALCULATED RESISTANCE (NOTE 1) (OHMS) |
|----------|------------|-------|------------------|-----------------------|-----------------------|---|---------------------------------------|
| 1 | EB LT | 5 | 6' X 50' | | | | |
| 2 | EB THRU | 2 | 6' X 50' | | | | |
| 3 | EB THRU | 2 | 6' X 50' | 3 - 6 - 3 | 136 | 816 | 2.3 |
| 4 | WB THRU | 6 | 6' X 50' | | | | |
| 5 | WB RT/THRU | 6 | 6' X 50' | 3 - 6 - 3 | 200 | 830 | 2.6 |
| 6 | SB LT | 7 | 6' X 50' | | | | |
| 7 | SB RT | 4 | 6' X 50' | | | | |
| 8 | EB C.C.O. | 2 | 6' X 6' | 6 | 529 | 371 | 3.0 |
| 9 | EB C.C.O. | 2 | 6' X 6' | 6 | 511 | 367 | 2.9 |
| 10 | WB C.C.O. | 6 | 6' X 6' | 6 | 541 | 374 | 3.1 |
| 11 | WB C.C.O. | 6 | 6' X 6' | 6 | 523 | 370 | 3.0 |

DETECTOR LOOP NOTES:

1. THE CALCULATED VALUES SHOWN ABOVE ARE FOR COMBINED LOOP + LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

MODEL: Cover sheet
FILE NAME: 10/17/2021 - ESPE WIDENING PHASE 2\CADD\micrystation\CADD Drawings\17032-shcs.dgn



USER NAME = scott.feldt
DESIGNED -
DRAWN -
PLOT SCALE = 40.0000 ' / in.
CHECKED -
PLOT DATE = 10/18/2021
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TRAFFIC SIGNAL SHEETS

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

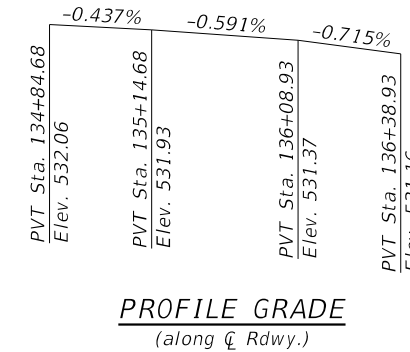
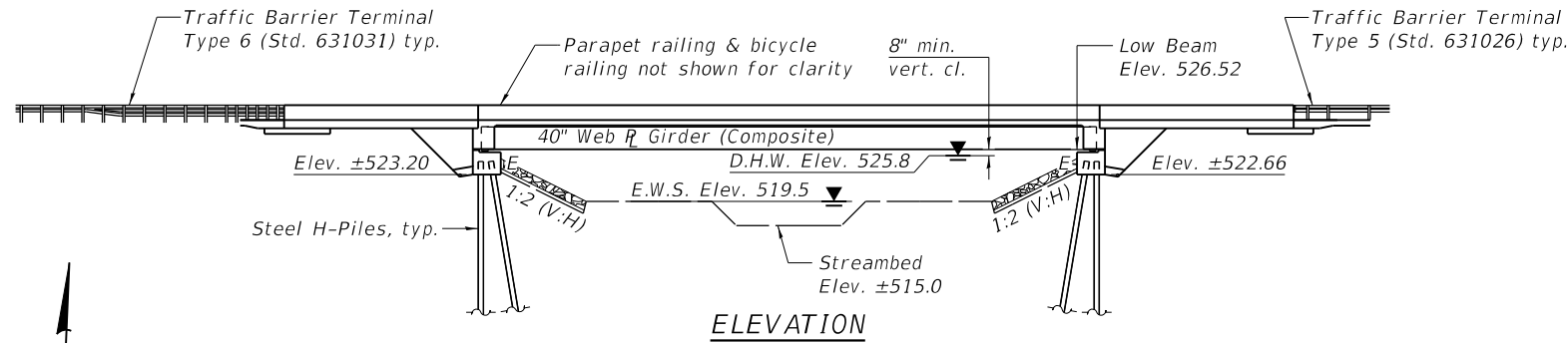
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 120 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

Bench Mark "M": Railroad spike in power pole, Sta. 133+09.31, 69.62' Right, Elev. 528.90.

Existing Structure: S.N. 082-3095, originally built in 2001 as F.A.U. Route 9330, Section 95-00301-02-PV. The existing structure consists of a single span composite steel plate girder superstructure supported by semi-integral abutments founded on steel H piles, ±46'-11" out to out, ±96'-3" back to back abutments. Structure to be widened on each side and existing deck to be replaced.

Traffic Control: One lane of traffic will be maintained in each direction by utilizing stage construction.

Salvage: None.



DESIGN SPECIFICATIONS (New Const.)

2002 AASHTO

DESIGN STRESSES

FIELD UNITS (New Construction)
 $f'_c = 3,500$ psi (Substructure)
 $f'_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

FIELD UNITS (Existing Construction)
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

LOADING HS-20

No allowance for future wearing surface.

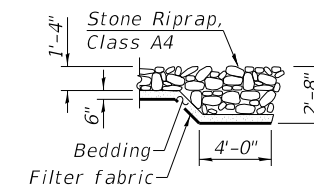
SEISMIC DATA

Seismic Performance Category (SPC) = B
 Horizontal Bedrock Acceleration Coefficient (A) = 0.11g
 Site Coefficient (S) = 1.0

TRIBUTARY TO RICHLAND CREEK
 RE-BUILT 20 BY
 ST. CLAIR COUNTY
 SEC. 13-00301-15-PW
 F.A.U. RT. 9330 STA. 135+62
 STR. NO. 082-3095 LOADING HS-20

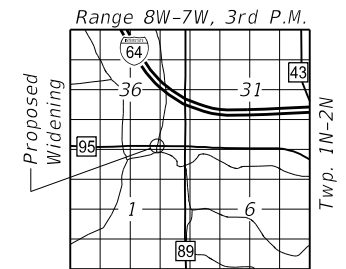
NAME PLATE

See Std. 515001



SECTION A-A

- Notes:
 ① 3'-0" closure pour.
 ② Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.



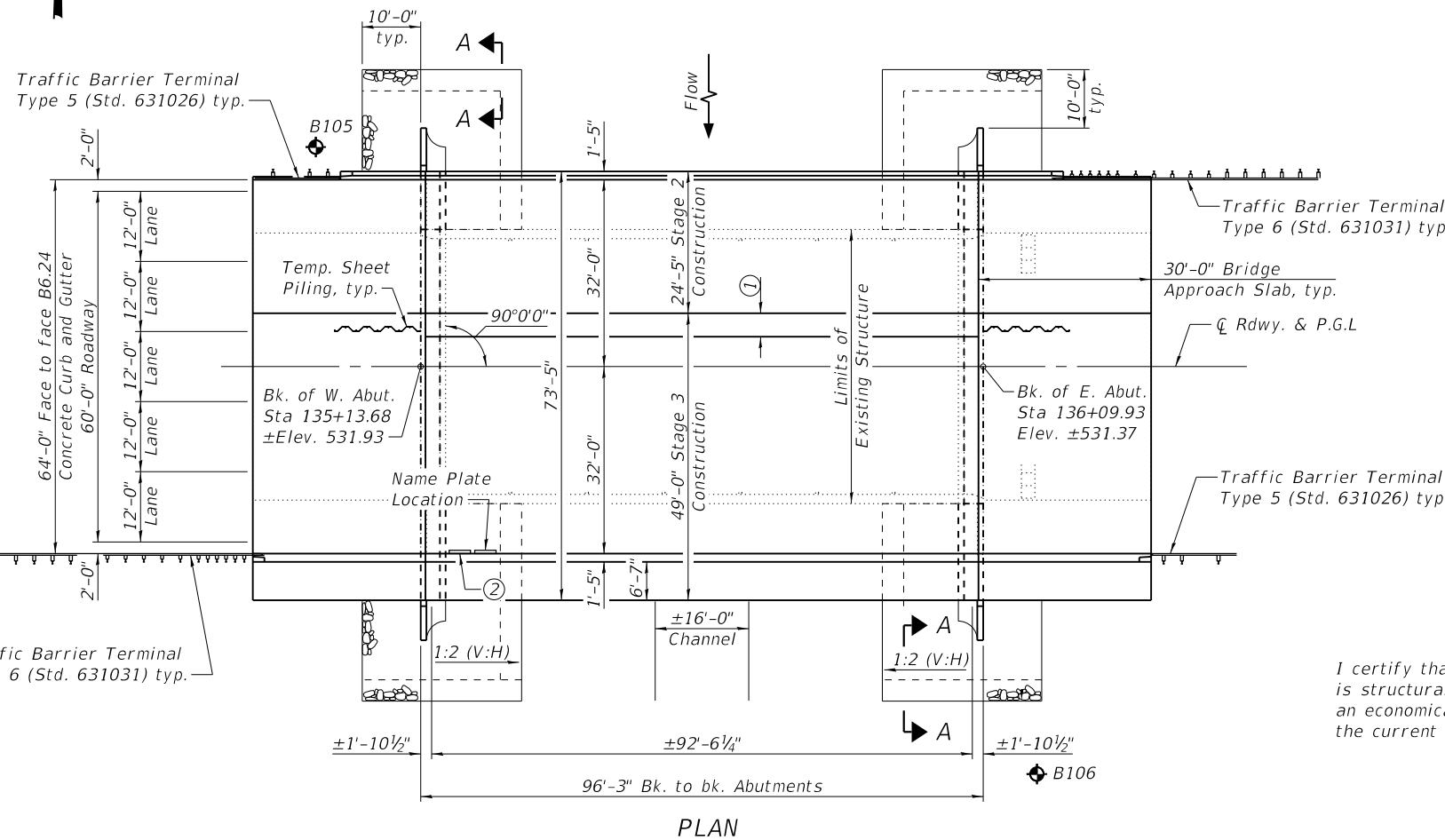
LOCATION SKETCH

I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.

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

Kermit B. Christmann
 DATE: 11/11/2021
 EXPIRATION: 11/30/2022

GENERAL PLAN & ELEVATION
FRANK SCOTT PARKWAY EAST/CH 95
OVER TRIBUTARY TO RICHLAND CREEK
 F.A.U. 9330 - SEC. 13-00301-15-PW
 ST. CLAIR COUNTY
 STA. 135+61.80
 STRUCTURE NO. 082-3095



PLAN

DESIGN SCOUR ELEVATION TABLE

| Event / Limit State | Design Scour Elevations (ft.) | | Item 113 |
|---------------------|-------------------------------|----------|----------|
| | W. Abut. | E. Abut. | |
| Q100 | 523.20 | 522.66 | 8 |
| Q200 | 523.20 | 522.66 | |
| Design | 523.20 | 522.66 | |
| Check | 523.20 | 522.66 | |

WATERWAY INFORMATION

| Drainage Area = 2.80 | | Low Grade Elev. 530.5 @ Sta. 137+93 | | | | | | | |
|----------------------|-----------|-------------------------------------|-------------------------|-------|-------------|------------|-------|---------------|-------|
| Flood | Freq. Yr. | Q C.F.S. | Opening Ft ² | | Nat. H.W.E. | Head - Ft. | | Headwater El. | |
| | | | Exist. | Prop. | | Exist. | Prop. | Exist. | Prop. |
| Design | 30 | 2,060 | 506 | 506 | 525.8 | 0.31 | 0.31 | 526.1 | 526.1 |
| Overtopping | 100 | 2,620 | 547 | 547 | 526.3 | 0.46 | 0.46 | 526.8 | 526.8 |

FILE NAME: H:\P17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-001-General Plan & Elevation.dgn



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| PLOT SCALE = | CHECKED - JAD/KBC | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - ETH | REVISED - |
| | CHECKED - KBC | REVISED - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

GENERAL PLAN & ELEVATION
STRUCTURE NO. 082-3095
 SHEET 1 OF 37 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 121 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

GENERAL NOTES

Immediately after removing a stage of the deck, the Contractor shall take top of flange elevations in accordance with sheet 5 of 37 and measure existing stud shear connector heights. The County will review this information and determine if additional fillet reinforcement is required. Additional reinforcement will be paid for at the contract unit price per pound for Reinforcement Bars, Epoxy Coated.

Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts 3/4 in. Ø, holes 1 1/16 in. Ø, unless otherwise noted.

Calculated weight of structural steel: AASHTO M270 Grade 36 = 3,650 pounds
AASHTO M270 Grade 50 = 44,110 pounds

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

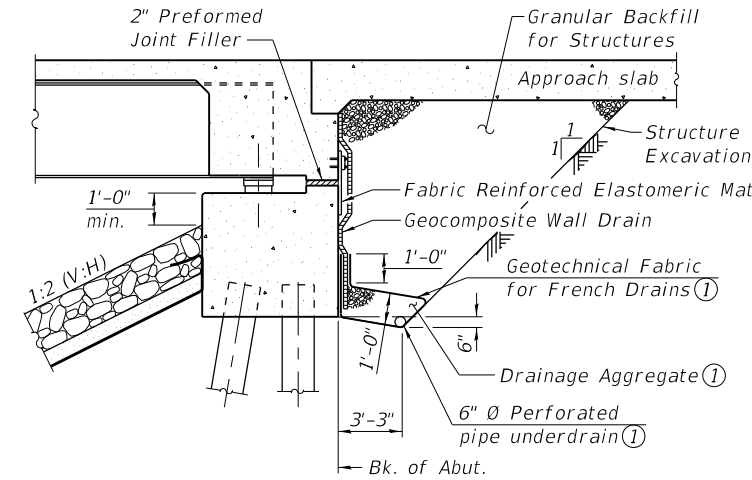
If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Inorganic Zinc Rich Primer / Acrylic /Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be gray, Munsell\ No. 5B 7/1.

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

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings



SECTION THRU SEMI-INTEGRAL ABUTMENT ③

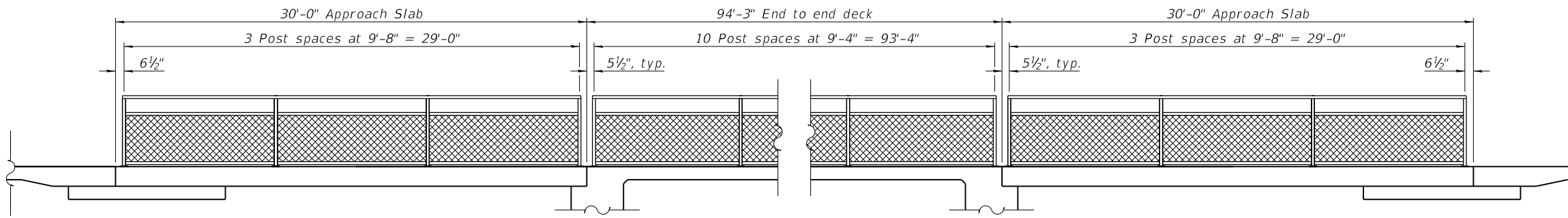
TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|---------|---------|--------|---------|
| Stone Riprap, Class A4 | Sq. Yd. | - | 315 | 315 |
| Filter Fabric | Sq. Yd. | - | 315 | 315 |
| Concrete Removal | Cu. Yd. | - | 8.3 | 8.3 |
| ④ Removal of Existing Concrete Deck | Each | 1 | - | 1 |
| ③ Structure Excavation | Cu. Yd. | - | 330 | 330 |
| Concrete Structures | Cu. Yd. | - | 83.0 | 83.0 |
| Concrete Superstructure | Cu. Yd. | 274.2 | - | 274.2 |
| Bridge Deck Grooving | Sq. Yd. | 1,063 | - | 1,063 |
| Protective Coat | Sq. Yd. | 1,395 | - | 1,395 |
| Concrete Superstructure (Approach Slab) | Cu. Yd. | 203.0 | - | 203.0 |
| Furnishing and Erecting Structural Steel | L. Sum | 1 | - | 1 |
| Stud Shear Connectors | Each | 948 | - | 948 |
| Reinforcement Bars, Epoxy Coated | Pound | 133,300 | 13,370 | 146,670 |
| Bar Splicers | Each | 498 | 80 | 578 |
| Mechanical Splicers | Each | 26 | - | 26 |
| Bicycle Railing | Foot | 151 | - | 151 |
| Parapet Railing | Foot | 147 | - | 147 |
| Furnishing Steel Piles HP10X42 | Foot | - | 480 | 480 |
| Driving Piles | Foot | - | 480 | 480 |
| Test Pile Steel HP10X42 | Each | - | 2 | 2 |
| Pile Shoes | Each | - | 10 | 10 |
| Name Plates | Each | 1 | - | 1 |
| Elastomeric Bearing Assembly, Type I | Each | 10 | - | 10 |
| Anchor Bolts, 1" | Each | 12 | - | 12 |
| Temporary Sheet Piling | Sq. Ft. | - | 433 | 433 |
| Granular Backfill for Structures | Cu. Yd. | - | 299 | 299 |
| Geocomposite Wall Drain | Sq. Yd. | - | 133 | 133 |
| Concrete Headwalls for Pipe Drains | Each | - | - | 4 |
| Pipe Underdrains for Structures 6" | Foot | - | - | 216 |
| Approach Slab Removal | Sq. Yd. | 300 | - | 300 |

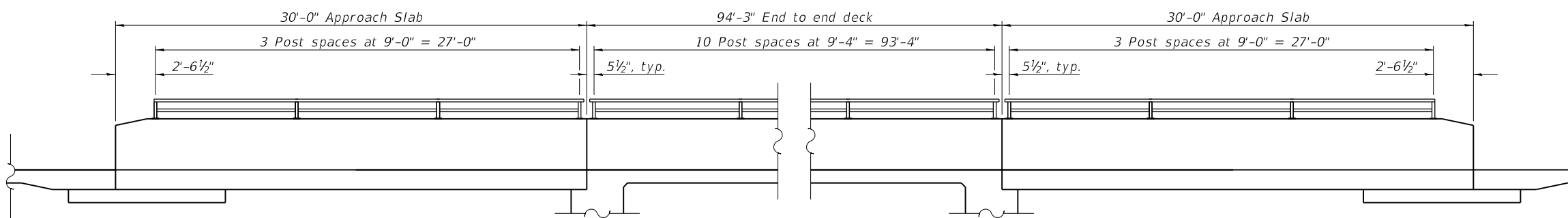
INDEX OF SHEETS

| Sheet No. | Description |
|-----------|---|
| 1 | General Plan & Elevation |
| 2 | General Data |
| 3 | Stage Construction Details |
| 4 | Temporary Concrete Barrier for Stage Construction |
| 5-7 | Top of Slab Elevations |
| 8 | Top of West Approach Slab Elevations |
| 9 | Top of East Approach Slab Elevations |
| 10 | Superstructure |
| 11 | Superstructure Details |
| 12 | Semi-Integral Diaphragm Details |
| 13-15 | Bridge Approach Slab Details |
| 16 | Bicycle Railing |
| 17 | Framing Plan & Girder Details |
| 18 | Girder & Bearing Details |
| 19 | Abutment Concrete Removal |
| 20 | West Abutment Details |
| 21 | East Abutment Details |
| 22 | HP Pile Detail |
| 23 | Bar Splicer Assembly and Mechanical Splicer Details |
| 24 | Concrete Parapet Slipforming Option |
| 25-26 | Soil Boring Logs |
| 27-37 | Existing Plans |

- Notes:
- ① Included in the cost of Pipe Underdrains for Structures 6".
 - ② All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. See Article 601.05 of the Standard Specifications and Highway Standard 601101.
 - ③ Existing drainage system components shall be completely removed, cost included in Structure Excavation.
 - ④ Cost of semi-integral diaphragm removal included in Removal of Existing Concrete Deck.



BICYCLE RAILING ELEVATION



PARAPET RAILING ELEVATION

FILE NAME: H:\P17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-002-General Data.dgn

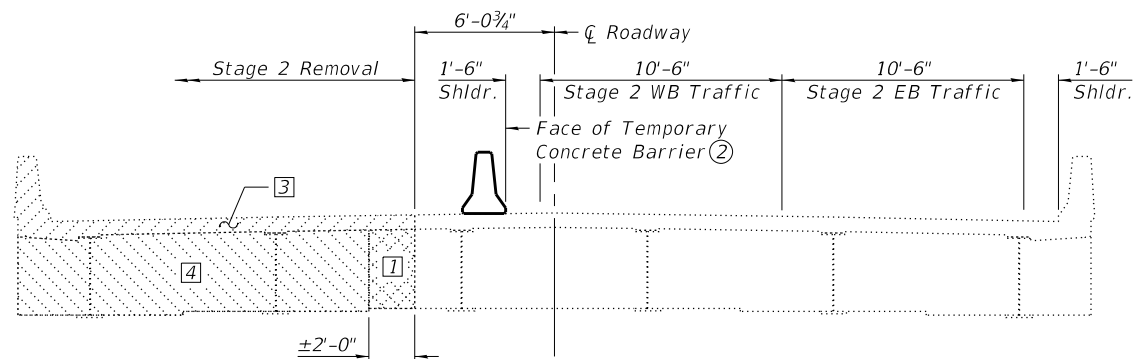


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| PLOT SCALE = | CHECKED - JAD/KBC | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - ETH | REVISED - |
| | CHECKED - KBC | REVISED - |

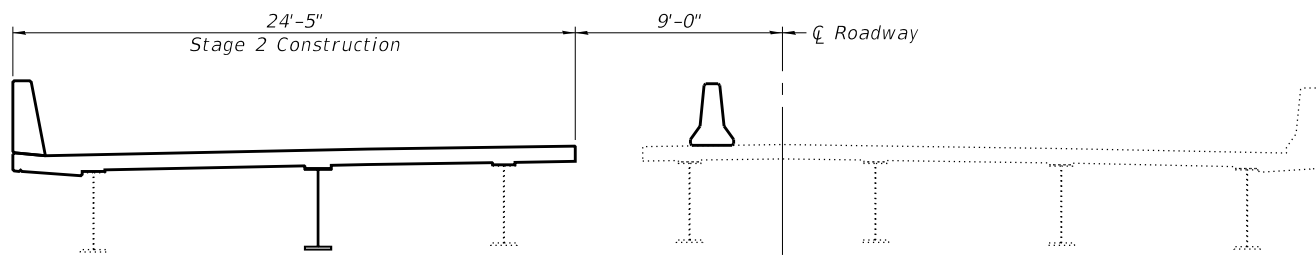


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|-------------------------------|--|
| GENERAL DATA | |
| STRUCTURE NO. 082-3095 | |
| SHEET 2 OF 37 SHEETS | |

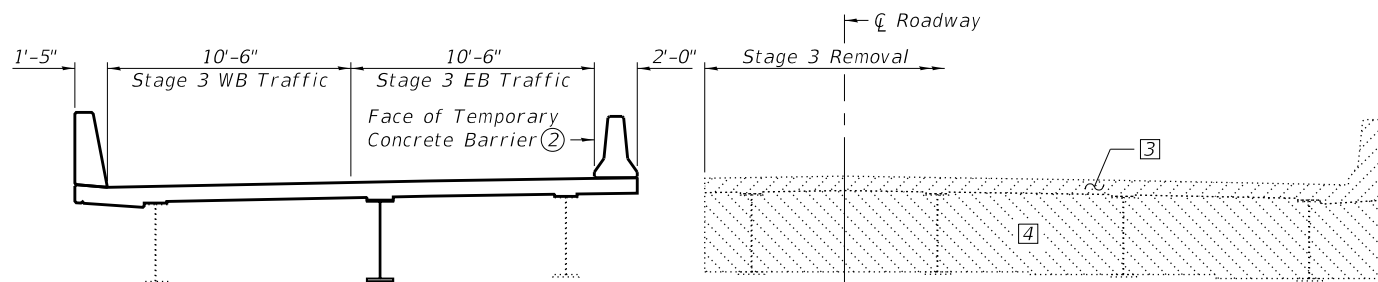
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 122 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



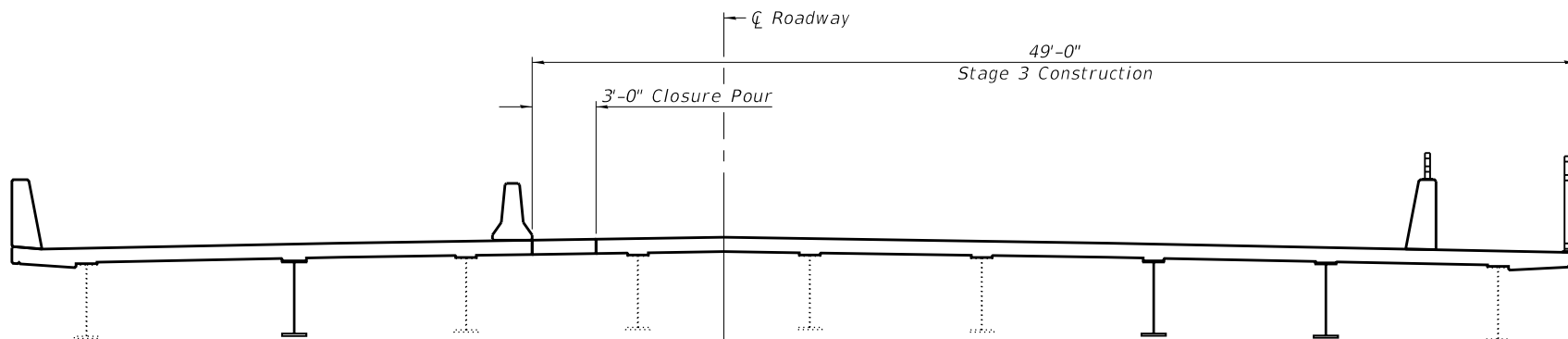
STAGE 2 TRAFFIC & REMOVAL
(Looking East)



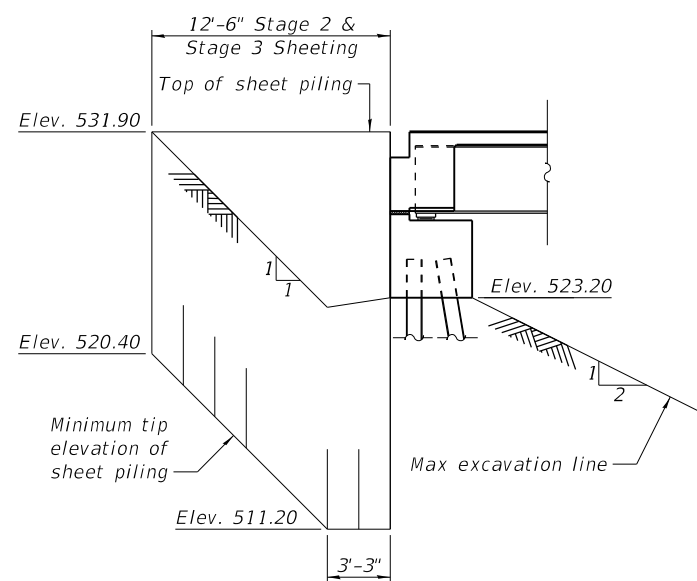
STAGE 2 CONSTRUCTION
(Looking East)



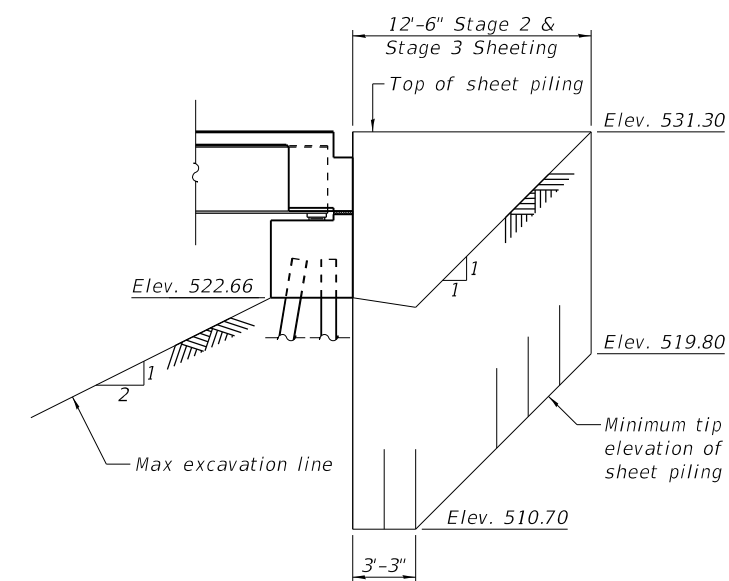
STAGE 3 TRAFFIC & REMOVAL
(Looking East)



STAGE 3 CONSTRUCTION
(Looking East)



WEST ABUTMENT
(Minimum Section Modulus = 10 in³/ft)



EAST ABUTMENT
(Minimum Section Modulus = 10 in³/ft)

TEMPORARY SHEET PILING DETAIL

Deck Removal Sequence:

- 1 Remove designated portion of concrete diaphragm at stage removal line.
- 2 Disconnect steel intermediate diaphragms between Girders 2 & 3, see sheets 17 & 18 of 37.
- 3 Remove deck.
- 4 Remove remaining concrete diaphragm.

Notes:

- 1 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
- 2 For details of Temporary Concrete Barrier, see sheet 4 of 37. See roadway plans for quantity of Temporary Concrete Barrier and related traffic control.
- 3 See roadway plans for temporary pavement markings.
- 4 For details of Stage 1 Construction, see roadway plans.

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-003-Stage Construction Details.dgn



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| | CHECKED - KBC | REVISED - |

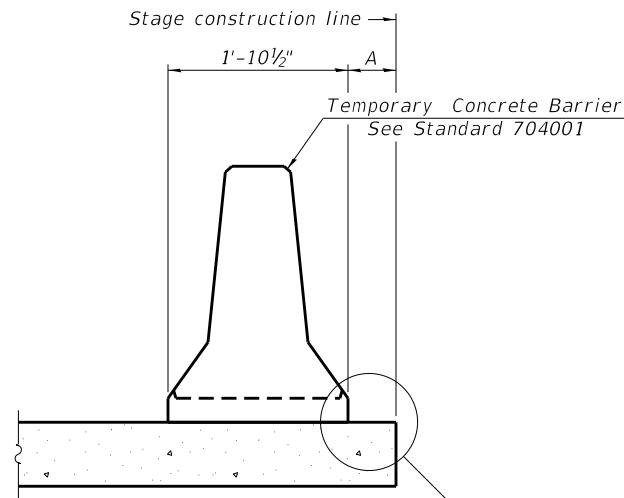


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 082-3095**

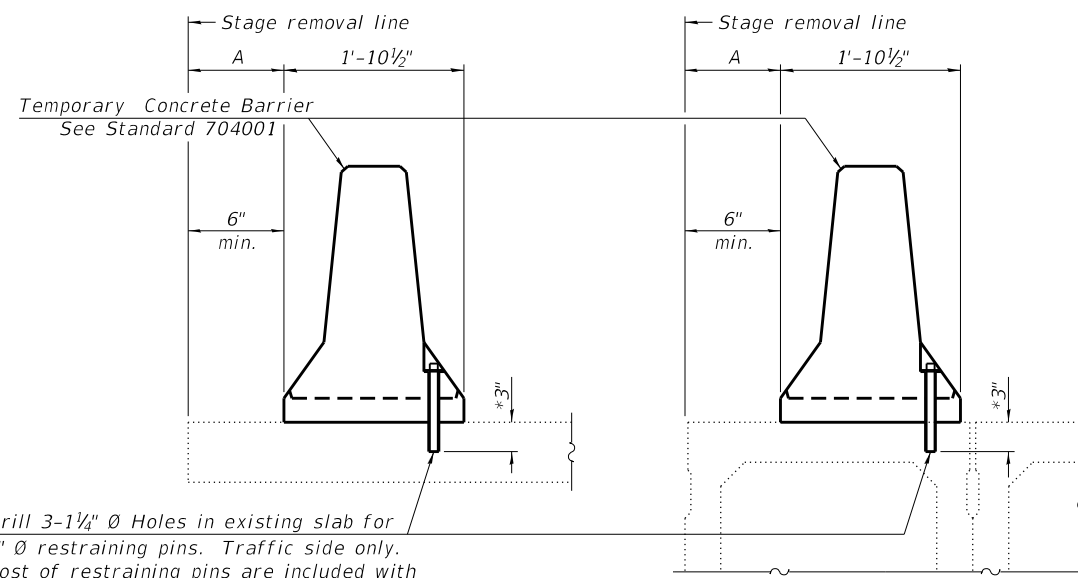
SHEET 3 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 123 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



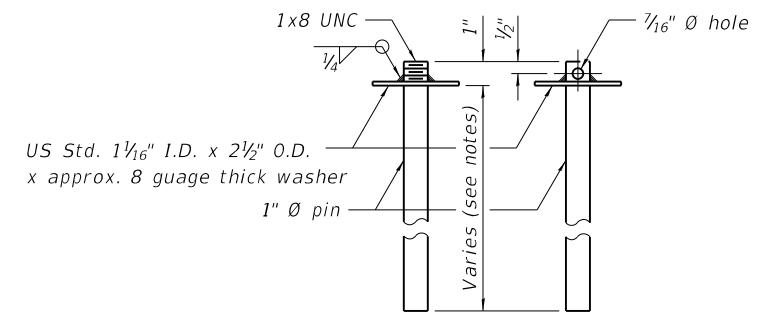
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

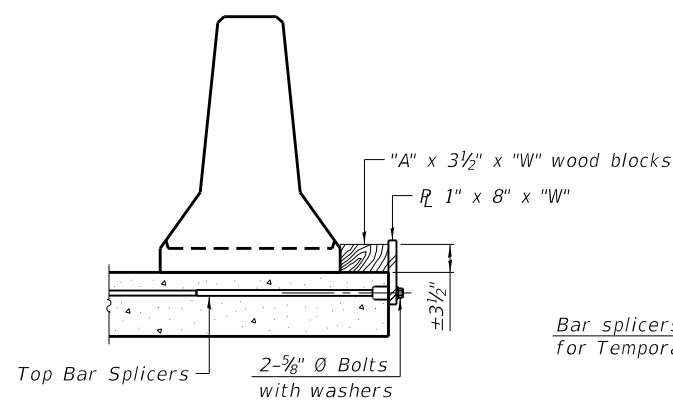
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM



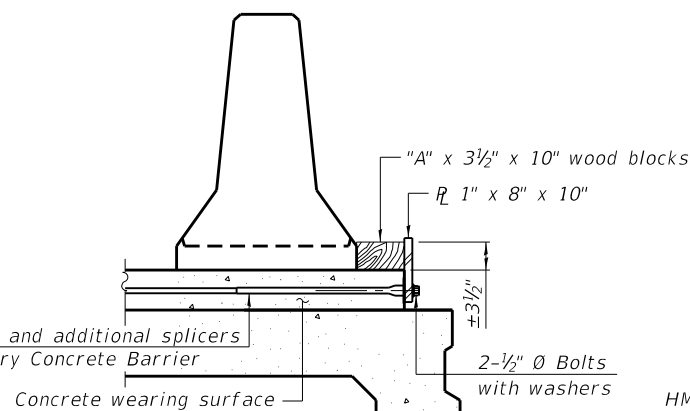
RESTRAINING PIN

US Std. 1 1/16" I.D. x 2 1/2" O.D. x approx. 8 gauge thick washer

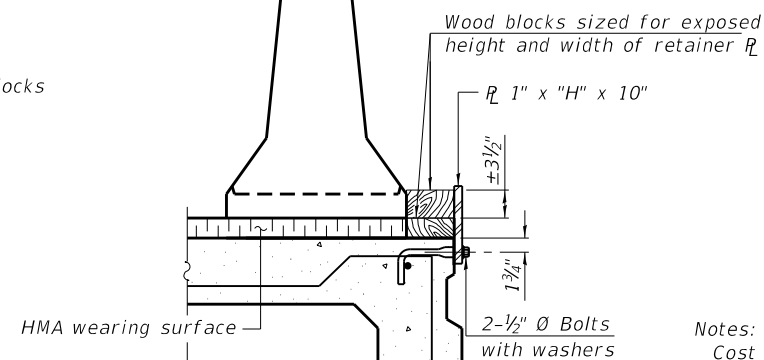


DETAIL I

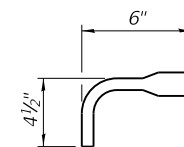
Bar splicers and additional splicers for Temporary Concrete Barrier



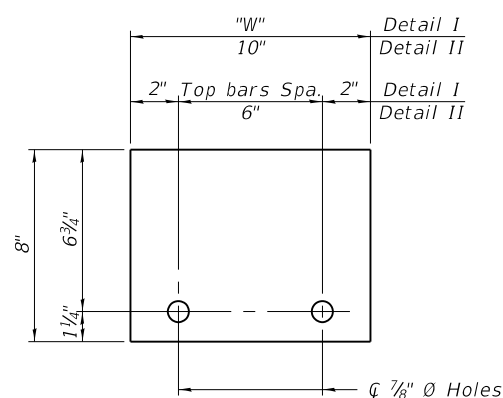
DETAIL II



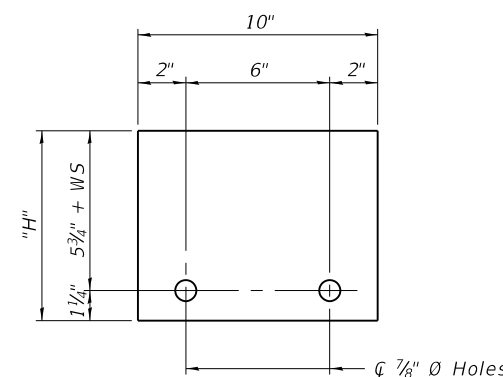
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER 1" x "H" x 10"
(Detail III)

Notes:

- Cost of retainer assembly is included with Temporary Concrete Barrier.
- A retainer assembly shall be located at the approximate center of each temporary concrete barrier.
- The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
- When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
- For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

- Detail I - Installation for a new bridge deck or bridge slab.
- Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
- Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

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R-27 2-17-2017



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| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |



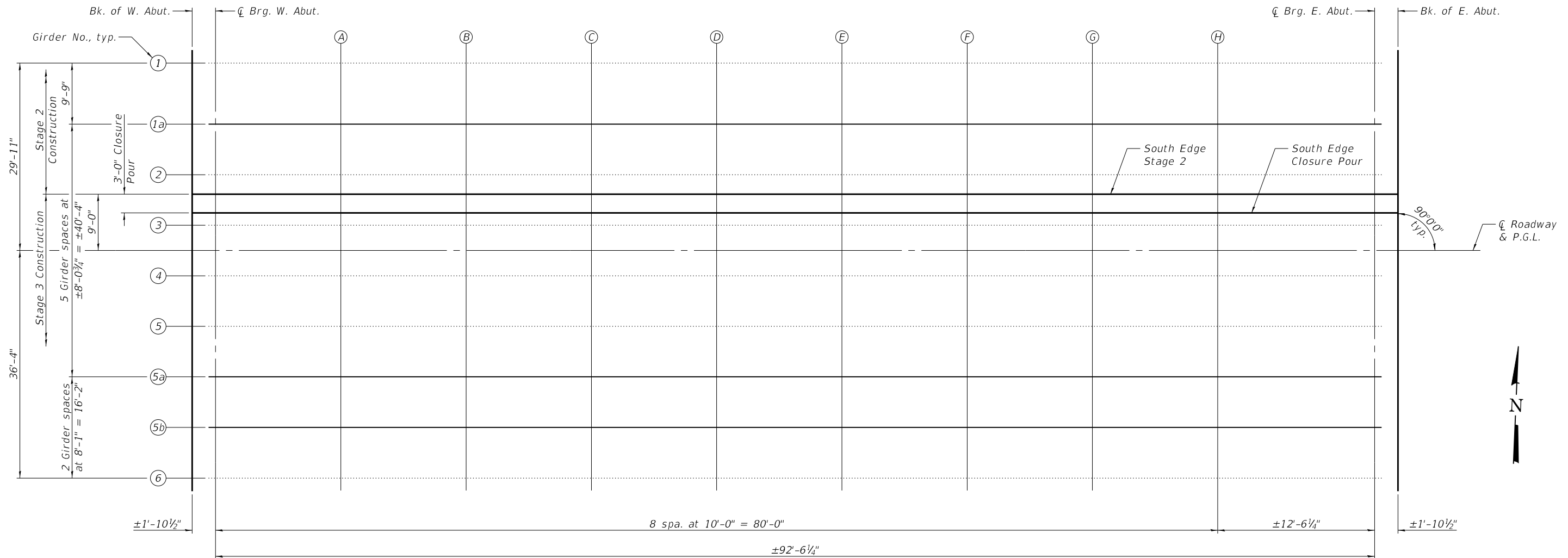
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 082-3095

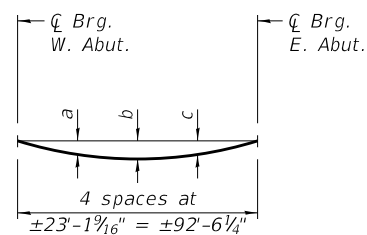
SHEET 4 OF 37 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 124 |
| CONTRACT NO. 97752 | | | | |

ILLINOIS FED. AID PROJECT



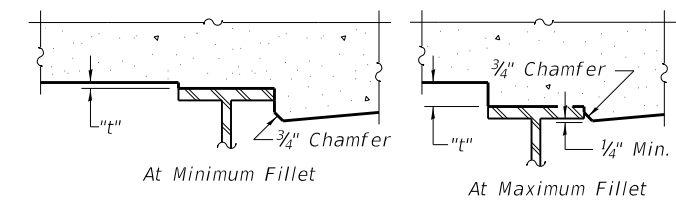
PLAN



DEAD LOAD DEFLECTION DIAGRAMS ①

(Includes weight of concrete only.)

| Location | Girder | | | |
|----------|--------|--------|--------|---------|
| | 1 | 2 | 3 | 1a, 4-6 |
| a | 3 1/8" | 2 5/8" | 2 1/8" | 2 3/4" |
| b | 4 1/2" | 3 3/8" | 2 7/8" | 3 7/8" |
| c | 3 1/8" | 2 5/8" | 2 1/8" | 2 3/4" |



FILLET HEIGHTS ②

Note:

- ① The Dead Load Deflections are not to be used in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" as shown on sheets 6 and 7 of 37.
- ② To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 6 and 7 of 37, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-005-Top of Slab Elevations.dgn



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| PLOT DATE = 11/11/2021 | DRAWN - KBC | REVISED - |
| | CHECKED - JAD | REVISED - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 082-3095

SHEET 5 OF 37 SHEETS

| | | | | |
|--------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 125 |
| CONTRACT NO. 97752 | | | | |

ILLINOIS FED. AID PROJECT

GIRDER 1

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | -29.92 | 531.43 | 531.43 |
| ☉ Brg. W. Abut. | 135+15.54 | -29.92 | 531.42 | 531.42 |
| A | 135+25.54 | -29.92 | 531.36 | 531.48 |
| B | 135+35.54 | -29.92 | 531.30 | 531.53 |
| C | 135+45.54 | -29.92 | 531.24 | 531.56 |
| D | 135+55.54 | -29.92 | 531.18 | 531.54 |
| E | 135+65.54 | -29.92 | 531.12 | 531.49 |
| F | 135+75.54 | -29.92 | 531.06 | 531.40 |
| G | 135+85.54 | -29.92 | 531.00 | 531.26 |
| H | 135+95.54 | -29.92 | 530.94 | 531.10 |
| ☉ Brg. E. Abut. | 136+08.06 | -29.92 | 530.87 | 530.87 |
| Bk. of E. Abut. | 136+09.93 | -29.92 | 530.86 | 530.86 |

GIRDER 1a

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | -20.17 | 531.62 | 531.62 |
| ☉ Brg. W. Abut. | 135+15.54 | -20.17 | 531.61 | 531.61 |
| A | 135+25.54 | -20.17 | 531.55 | 531.66 |
| B | 135+35.54 | -20.17 | 531.49 | 531.70 |
| C | 135+45.54 | -20.17 | 531.43 | 531.71 |
| D | 135+55.54 | -20.17 | 531.38 | 531.69 |
| E | 135+65.54 | -20.17 | 531.32 | 531.63 |
| F | 135+75.54 | -20.17 | 531.26 | 531.54 |
| G | 135+85.54 | -20.17 | 531.20 | 531.42 |
| H | 135+95.54 | -20.17 | 531.14 | 531.27 |
| ☉ Brg. E. Abut. | 136+08.06 | -20.17 | 531.07 | 531.07 |
| Bk. of E. Abut. | 136+09.93 | -20.17 | 531.05 | 531.05 |

GIRDER 2

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | -12.10 | 531.75 | 531.75 |
| ☉ Brg. W. Abut. | 135+15.54 | -12.10 | 531.74 | 531.74 |
| A | 135+25.54 | -12.10 | 531.68 | 531.79 |
| B | 135+35.54 | -12.10 | 531.63 | 531.82 |
| C | 135+45.54 | -12.10 | 531.57 | 531.82 |
| D | 135+55.54 | -12.10 | 531.51 | 531.80 |
| E | 135+65.54 | -12.10 | 531.45 | 531.75 |
| F | 135+75.54 | -12.10 | 531.39 | 531.66 |
| G | 135+85.54 | -12.10 | 531.33 | 531.54 |
| H | 135+95.54 | -12.10 | 531.27 | 531.40 |
| ☉ Brg. E. Abut. | 136+08.06 | -12.10 | 531.20 | 531.20 |
| Bk. of E. Abut. | 136+09.93 | -12.10 | 531.18 | 531.18 |

SOUTH EDGE STAGE 2

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | -9.00 | 531.80 | 531.80 |
| ☉ Brg. W. Abut. | 135+15.54 | -9.00 | 531.79 | 531.79 |
| A | 135+25.54 | -9.00 | 531.73 | 531.83 |
| B | 135+35.54 | -9.00 | 531.67 | 531.86 |
| C | 135+45.54 | -9.00 | 531.61 | 531.87 |
| D | 135+55.54 | -9.00 | 531.55 | 531.85 |
| E | 135+65.54 | -9.00 | 531.49 | 531.79 |
| F | 135+75.54 | -9.00 | 531.44 | 531.70 |
| G | 135+85.54 | -9.00 | 531.38 | 531.59 |
| H | 135+95.54 | -9.00 | 531.32 | 531.44 |
| ☉ Brg. E. Abut. | 136+08.06 | -9.00 | 531.24 | 531.24 |
| Bk. of E. Abut. | 136+09.93 | -9.00 | 531.23 | 531.23 |

SOUTH EDGE CLOSURE POUR

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | -6.00 | 531.84 | 531.84 |
| ☉ Brg. W. Abut. | 135+15.54 | -6.00 | 531.84 | 531.84 |
| A | 135+25.54 | -6.00 | 531.78 | 531.86 |
| B | 135+35.54 | -6.00 | 531.72 | 531.87 |
| C | 135+45.54 | -6.00 | 531.66 | 531.87 |
| D | 135+55.54 | -6.00 | 531.60 | 531.84 |
| E | 135+65.54 | -6.00 | 531.54 | 531.78 |
| F | 135+75.54 | -6.00 | 531.48 | 531.70 |
| G | 135+85.54 | -6.00 | 531.42 | 531.59 |
| H | 135+95.54 | -6.00 | 531.36 | 531.46 |
| ☉ Brg. E. Abut. | 136+08.06 | -6.00 | 531.29 | 531.29 |
| Bk. of E. Abut. | 136+09.93 | -6.00 | 531.28 | 531.28 |

GIRDER 3

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | -4.03 | 531.87 | 531.87 |
| ☉ Brg. W. Abut. | 135+15.54 | -4.03 | 531.86 | 531.86 |
| A | 135+25.54 | -4.03 | 531.81 | 531.89 |
| B | 135+35.54 | -4.03 | 531.75 | 531.90 |
| C | 135+45.54 | -4.03 | 531.69 | 531.90 |
| D | 135+55.54 | -4.03 | 531.63 | 531.87 |
| E | 135+65.54 | -4.03 | 531.57 | 531.81 |
| F | 135+75.54 | -4.03 | 531.51 | 531.73 |
| G | 135+85.54 | -4.03 | 531.45 | 531.62 |
| H | 135+95.54 | -4.03 | 531.39 | 531.49 |
| ☉ Brg. E. Abut. | 136+08.06 | -4.03 | 531.32 | 531.32 |
| Bk. of E. Abut. | 136+09.93 | -4.03 | 531.31 | 531.31 |

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-006-Top of Slab Elevations.dgn



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|------------------------|----------------|-----------|
| USER NAME = | DESIGNED - KBC | REVISED - |
| | CHECKED - JAD | REVISED - |
| PLOT SCALE = | DRAWN - KBC | REVISED - |
| PLOT DATE = 11/11/2021 | CHECKED - JAD | REVISED - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 082-3095**

SHEET 6 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 126 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

☉ ROADWAY & P.G.L.

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | 0.00 | 531.93 | 531.93 |
| ☉ Brg. W. Abut. | 135+15.54 | 0.00 | 531.93 | 531.93 |
| A | 135+25.54 | 0.00 | 531.87 | 531.96 |
| B | 135+35.54 | 0.00 | 531.81 | 531.99 |
| C | 135+45.54 | 0.00 | 531.75 | 531.99 |
| D | 135+55.54 | 0.00 | 531.69 | 531.97 |
| E | 135+65.54 | 0.00 | 531.63 | 531.91 |
| F | 135+75.54 | 0.00 | 531.57 | 531.82 |
| G | 135+85.54 | 0.00 | 531.51 | 531.71 |
| H | 135+95.54 | 0.00 | 531.45 | 531.57 |
| ☉ Brg. E. Abut. | 136+08.06 | 0.00 | 531.38 | 531.38 |
| Bk. of E. Abut. | 136+09.93 | 0.00 | 531.37 | 531.37 |

GIRDER 4

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | 4.03 | 531.87 | 531.87 |
| ☉ Brg. W. Abut. | 135+15.54 | 4.03 | 531.86 | 531.86 |
| A | 135+25.54 | 4.03 | 531.81 | 531.91 |
| B | 135+35.54 | 4.03 | 531.75 | 531.95 |
| C | 135+45.54 | 4.03 | 531.69 | 531.96 |
| D | 135+55.54 | 4.03 | 531.63 | 531.94 |
| E | 135+65.54 | 4.03 | 531.57 | 531.89 |
| F | 135+75.54 | 4.03 | 531.51 | 531.80 |
| G | 135+85.54 | 4.03 | 531.45 | 531.68 |
| H | 135+95.54 | 4.03 | 531.39 | 531.53 |
| ☉ Brg. E. Abut. | 136+08.06 | 4.03 | 531.32 | 531.32 |
| Bk. of E. Abut. | 136+09.93 | 4.03 | 531.31 | 531.31 |

GIRDER 5

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | 12.10 | 531.75 | 531.75 |
| ☉ Brg. W. Abut. | 135+15.54 | 12.10 | 531.74 | 531.74 |
| A | 135+25.54 | 12.10 | 531.68 | 531.79 |
| B | 135+35.54 | 12.10 | 531.63 | 531.83 |
| C | 135+45.54 | 12.10 | 531.57 | 531.84 |
| D | 135+55.54 | 12.10 | 531.51 | 531.82 |
| E | 135+65.54 | 12.10 | 531.45 | 531.77 |
| F | 135+75.54 | 12.10 | 531.39 | 531.68 |
| G | 135+85.54 | 12.10 | 531.33 | 531.56 |
| H | 135+95.54 | 12.10 | 531.27 | 531.41 |
| ☉ Brg. E. Abut. | 136+08.06 | 12.10 | 531.20 | 531.20 |
| Bk. of E. Abut. | 136+09.93 | 12.10 | 531.18 | 531.18 |

GIRDER 5a

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | 20.17 | 531.62 | 531.62 |
| ☉ Brg. W. Abut. | 135+15.54 | 20.17 | 531.61 | 531.61 |
| A | 135+25.54 | 20.17 | 531.55 | 531.66 |
| B | 135+35.54 | 20.17 | 531.49 | 531.70 |
| C | 135+45.54 | 20.17 | 531.43 | 531.71 |
| D | 135+55.54 | 20.17 | 531.38 | 531.69 |
| E | 135+65.54 | 20.17 | 531.32 | 531.64 |
| F | 135+75.54 | 20.17 | 531.26 | 531.55 |
| G | 135+85.54 | 20.17 | 531.20 | 531.43 |
| H | 135+95.54 | 20.17 | 531.14 | 531.28 |
| ☉ Brg. E. Abut. | 136+08.06 | 20.17 | 531.07 | 531.07 |
| Bk. of E. Abut. | 136+09.93 | 20.17 | 531.05 | 531.05 |

GIRDER 5b

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | 28.25 | 531.46 | 531.46 |
| ☉ Brg. W. Abut. | 135+15.54 | 28.25 | 531.45 | 531.45 |
| A | 135+25.54 | 28.25 | 531.39 | 531.50 |
| B | 135+35.54 | 28.25 | 531.33 | 531.54 |
| C | 135+45.54 | 28.25 | 531.27 | 531.55 |
| D | 135+55.54 | 28.25 | 531.21 | 531.53 |
| E | 135+65.54 | 28.25 | 531.15 | 531.48 |
| F | 135+75.54 | 28.25 | 531.10 | 531.39 |
| G | 135+85.54 | 28.25 | 531.04 | 531.26 |
| H | 135+95.54 | 28.25 | 530.98 | 531.11 |
| ☉ Brg. E. Abut. | 136+08.06 | 28.25 | 530.90 | 530.90 |
| Bk. of E. Abut. | 136+09.93 | 28.25 | 530.89 | 530.89 |

GIRDER 6

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-----------|--------|------------------------------|--|
| Bk. of W. Abut. | 135+13.68 | 36.33 | 531.30 | 531.30 |
| ☉ Brg. W. Abut. | 135+15.54 | 36.33 | 531.29 | 531.29 |
| A | 135+25.54 | 36.33 | 531.23 | 531.34 |
| B | 135+35.54 | 36.33 | 531.17 | 531.38 |
| C | 135+45.54 | 36.33 | 531.11 | 531.39 |
| D | 135+55.54 | 36.33 | 531.05 | 531.38 |
| E | 135+65.54 | 36.33 | 530.99 | 531.32 |
| F | 135+75.54 | 36.33 | 530.93 | 531.23 |
| G | 135+85.54 | 36.33 | 530.87 | 531.11 |
| H | 135+95.54 | 36.33 | 530.82 | 530.95 |
| ☉ Brg. E. Abut. | 136+08.06 | 36.33 | 530.74 | 530.74 |
| Bk. of E. Abut. | 136+09.93 | 36.33 | 530.73 | 530.73 |

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-007-Top of Slab Elevations.dgn



| | | |
|------------------------|----------------|-----------|
| USER NAME = | DESIGNED - KBC | REVISED - |
| | CHECKED - JAD | REVISED - |
| PLOT SCALE = | DRAWN - KBC | REVISED - |
| PLOT DATE = 11/11/2021 | CHECKED - JAD | REVISED - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 082-3095**

SHEET 7 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 127 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

N. EDGE OF SHOULDER

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End West Appr. Slab | 134+84.68 | -32.00 | 531.51 |
| A1 | 134+94.68 | -32.00 | 531.47 |
| A2 | 135+04.68 | -32.00 | 531.42 |
| E. End West Appr. Slab | 135+14.68 | -32.00 | 531.38 |

S. EDGE OF NORTH LANE

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End West Appr. Slab | 134+84.68 | -18.00 | 531.79 |
| A1 | 134+94.68 | -18.00 | 531.75 |
| A2 | 135+04.68 | -18.00 | 531.70 |
| E. End West Appr. Slab | 135+14.68 | -18.00 | 531.66 |

S. EDGE OF STAGE 2

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End West Appr. Slab | 134+84.68 | -9.00 | 531.93 |
| A1 | 134+94.68 | -9.00 | 531.88 |
| A2 | 135+04.68 | -9.00 | 531.84 |
| E. End West Appr. Slab | 135+14.68 | -9.00 | 531.80 |

CL ROADWAY & P.G.L.

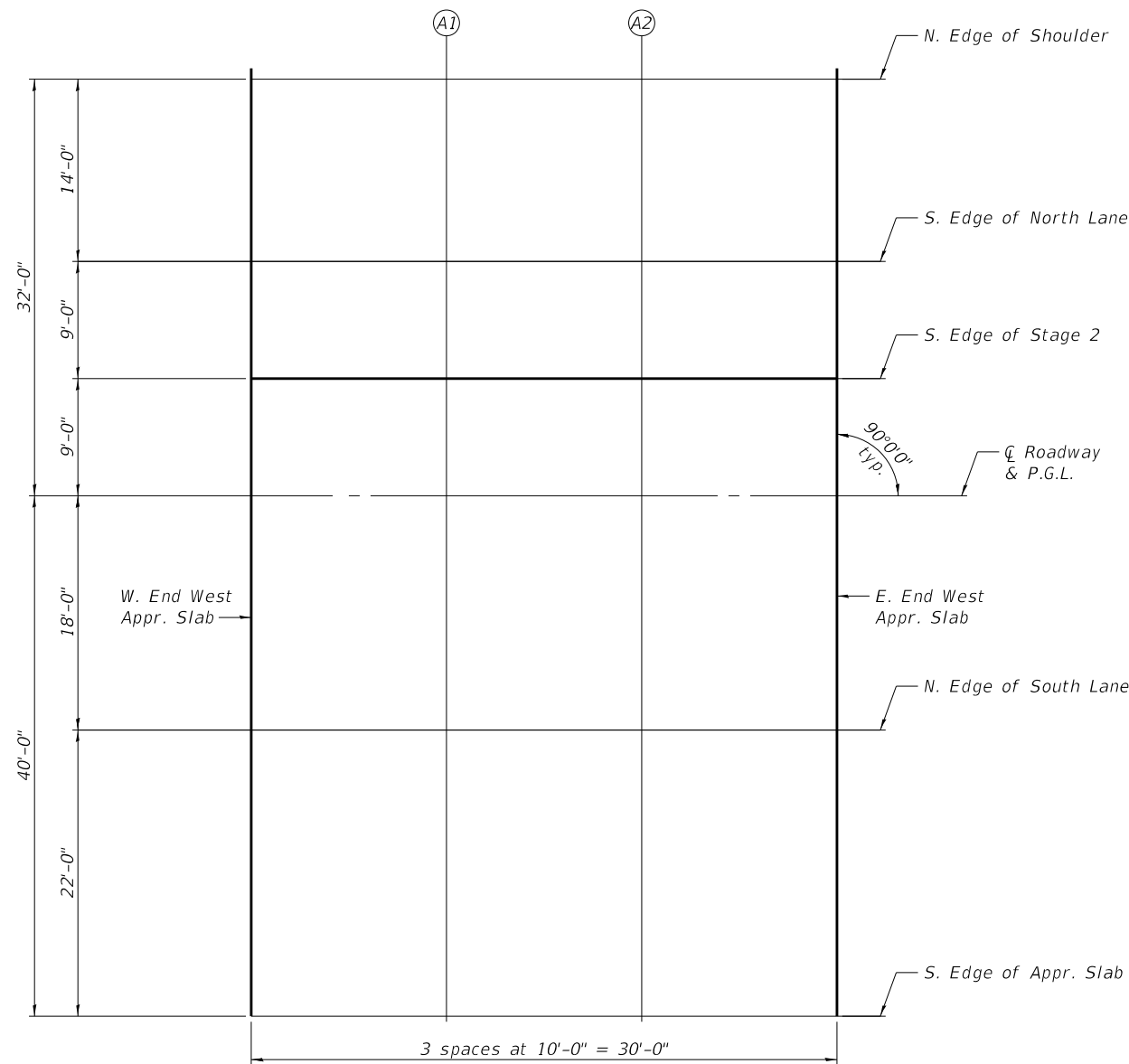
| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End West Appr. Slab | 134+84.68 | 0.00 | 532.06 |
| A1 | 134+94.68 | 0.00 | 532.02 |
| A2 | 135+04.68 | 0.00 | 531.97 |
| E. End West Appr. Slab | 135+14.68 | 0.00 | 531.93 |

N. EDGE OF SOUTH LANE

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End West Appr. Slab | 134+84.68 | 18.00 | 531.79 |
| A1 | 134+94.68 | 18.00 | 531.75 |
| A2 | 135+04.68 | 18.00 | 531.70 |
| E. End West Appr. Slab | 135+14.68 | 18.00 | 531.66 |

S. EDGE OF APPR. SLAB

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End West Appr. Slab | 134+84.68 | 40.00 | 531.35 |
| A1 | 134+94.68 | 40.00 | 531.31 |
| A2 | 135+04.68 | 40.00 | 531.26 |
| E. End West Appr. Slab | 135+14.68 | 40.00 | 531.22 |



PLAN

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| USER NAME = | DESIGNED - KBC | REVISED - |
| | CHECKED - JAD | REVISED - |
| PLOT SCALE = | DRAWN - KBC | REVISED - |
| PLOT DATE = 11/11/2021 | CHECKED - JAD | REVISED - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 082-3095

SHEET 8 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 128 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

N. EDGE OF SHOULDER

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End East Appr. Slab | 136+08.93 | -32.00 | 530.82 |
| A3 | 136+18.93 | -32.00 | 530.75 |
| A4 | 136+28.93 | -32.00 | 530.68 |
| E. End East Appr. Slab | 136+38.93 | -32.00 | 530.61 |

S. EDGE OF NORTH LANE

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End East Appr. Slab | 136+08.93 | -18.00 | 531.10 |
| A3 | 136+18.93 | -18.00 | 531.03 |
| A4 | 136+28.93 | -18.00 | 530.96 |
| E. End East Appr. Slab | 136+38.93 | -18.00 | 530.89 |

S. EDGE OF STAGE 2

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End East Appr. Slab | 136+08.93 | -9.00 | 531.24 |
| A3 | 136+18.93 | -9.00 | 531.17 |
| A4 | 136+28.93 | -9.00 | 531.10 |
| E. End East Appr. Slab | 136+38.93 | -9.00 | 531.02 |

CL ROADWAY & P.G.L.

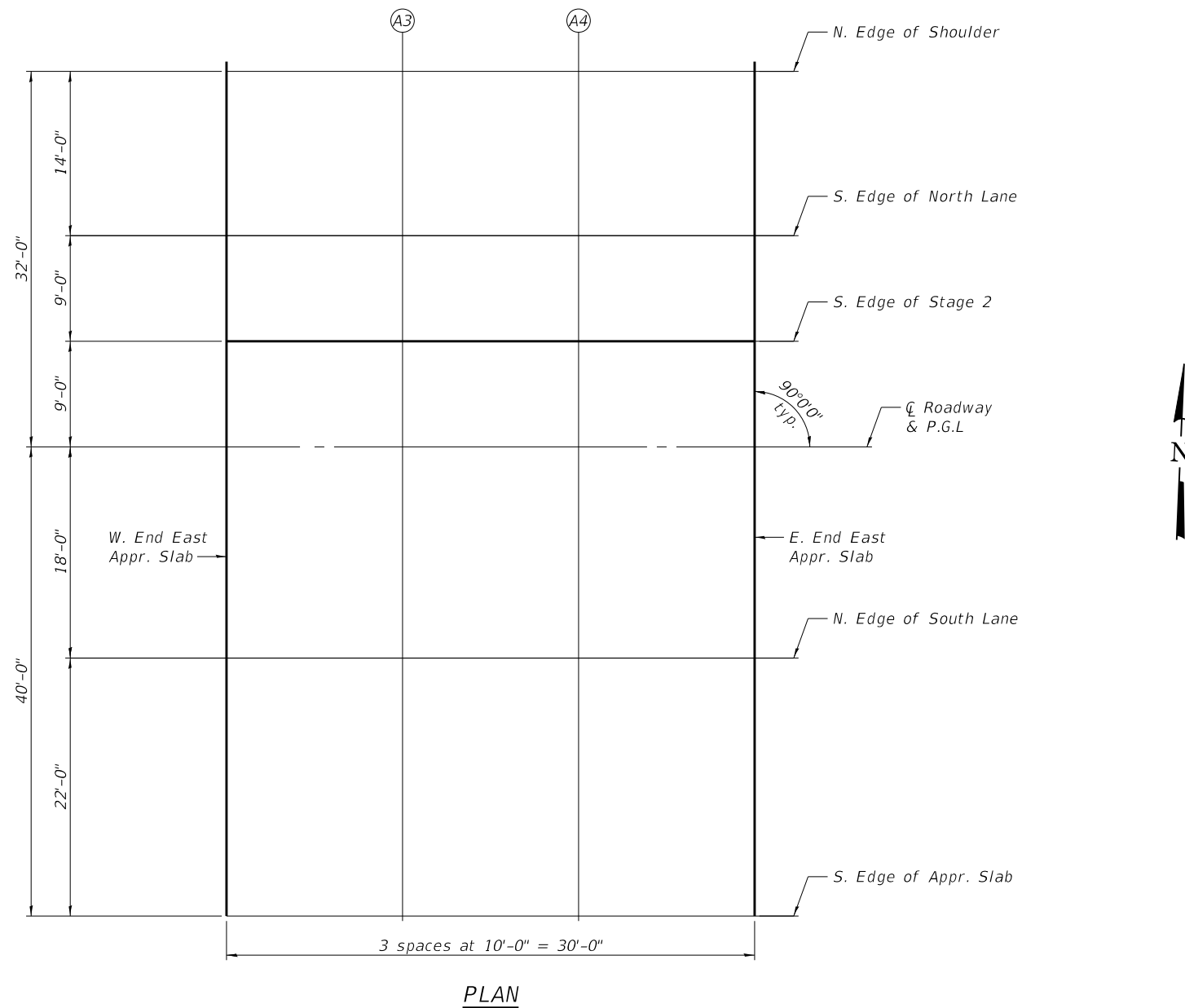
| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End East Appr. Slab | 136+08.93 | 0.00 | 531.37 |
| A3 | 136+18.93 | 0.00 | 531.30 |
| A4 | 136+28.93 | 0.00 | 531.23 |
| E. End East Appr. Slab | 136+38.93 | 0.00 | 531.16 |

N. EDGE OF SOUTH LANE

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End East Appr. Slab | 136+08.93 | 18.00 | 531.10 |
| A3 | 136+18.93 | 18.00 | 531.03 |
| A4 | 136+28.93 | 18.00 | 530.96 |
| E. End East Appr. Slab | 136+38.93 | 18.00 | 530.89 |

S. EDGE OF APPR. SLAB

| Location | Station | Offset | Theoretical Grade Elevations |
|------------------------|-----------|--------|------------------------------|
| W. End East Appr. Slab | 136+08.93 | 40.00 | 530.66 |
| A3 | 136+18.93 | 40.00 | 530.59 |
| A4 | 136+28.93 | 40.00 | 530.52 |
| E. End East Appr. Slab | 136+38.93 | 40.00 | 530.45 |



PLAN

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| USER NAME = | DESIGNED - KBC | REVISED - |
| | CHECKED - JAD | REVISED - |
| PLOT SCALE = | DRAWN - KBC | REVISED - |
| PLOT DATE = 11/11/2021 | CHECKED - JAD | REVISED - |

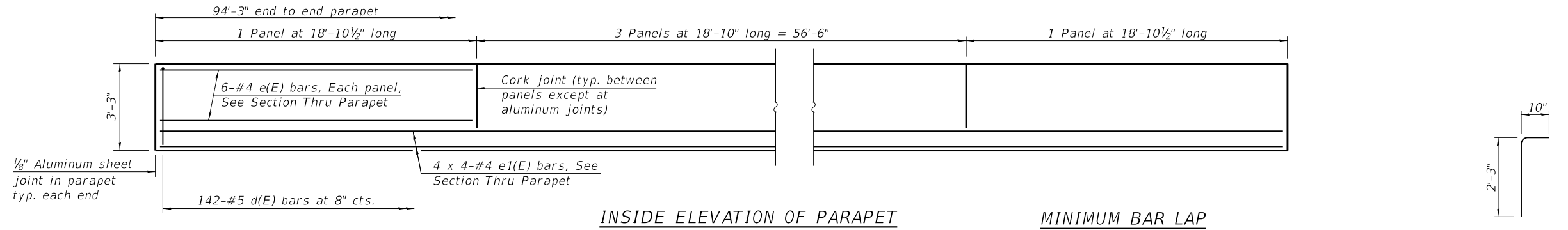


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 082-3095**

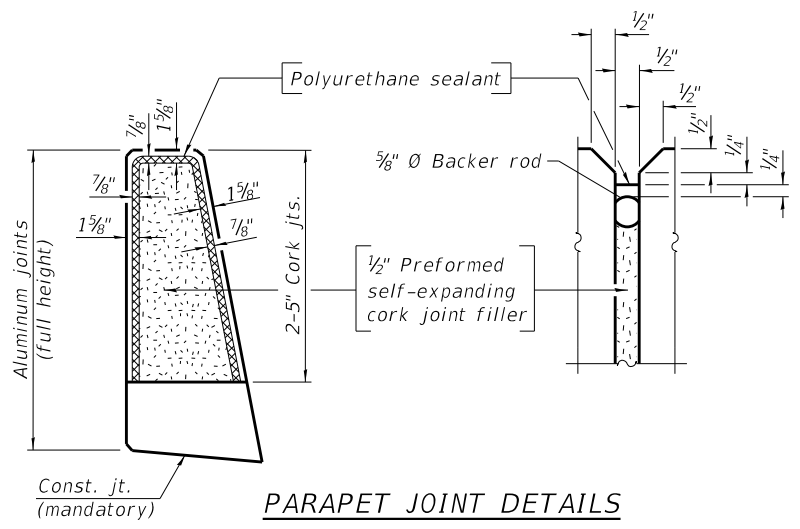
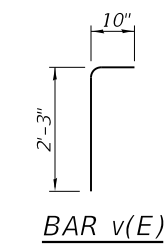
SHEET 9 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 129 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

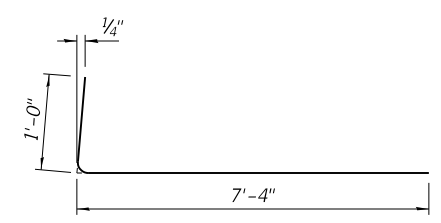


INSIDE ELEVATION OF PARAPET

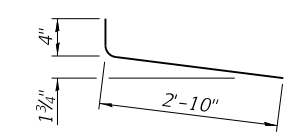
MINIMUM BAR LAP
#4 bar = 2'-5"



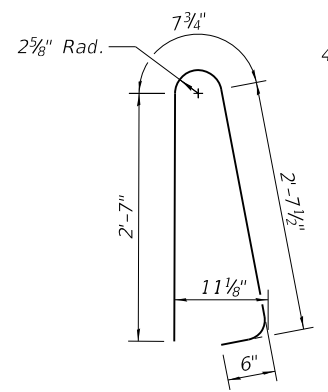
PARAPET JOINT DETAILS



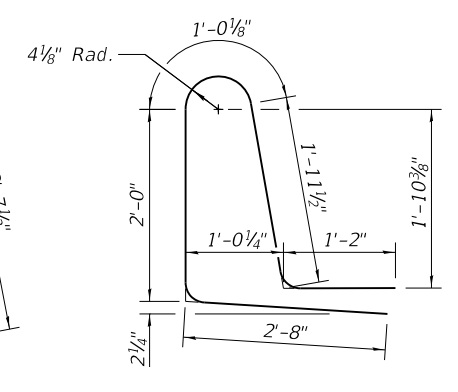
BAR a6(E)



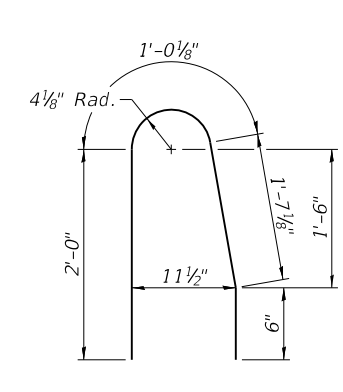
BAR d3(E)



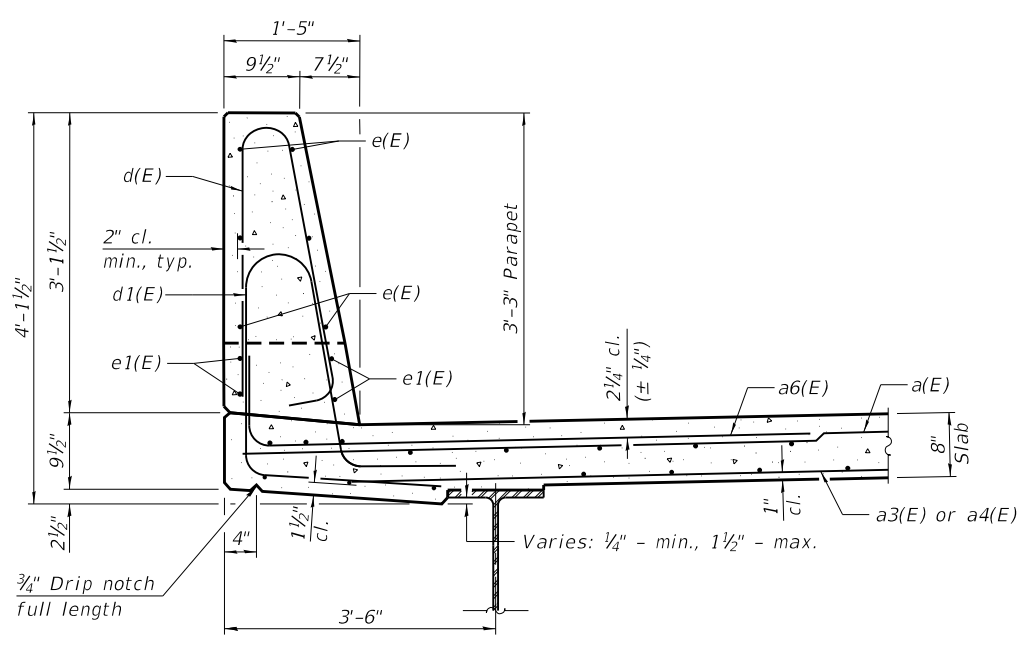
BAR d(E)



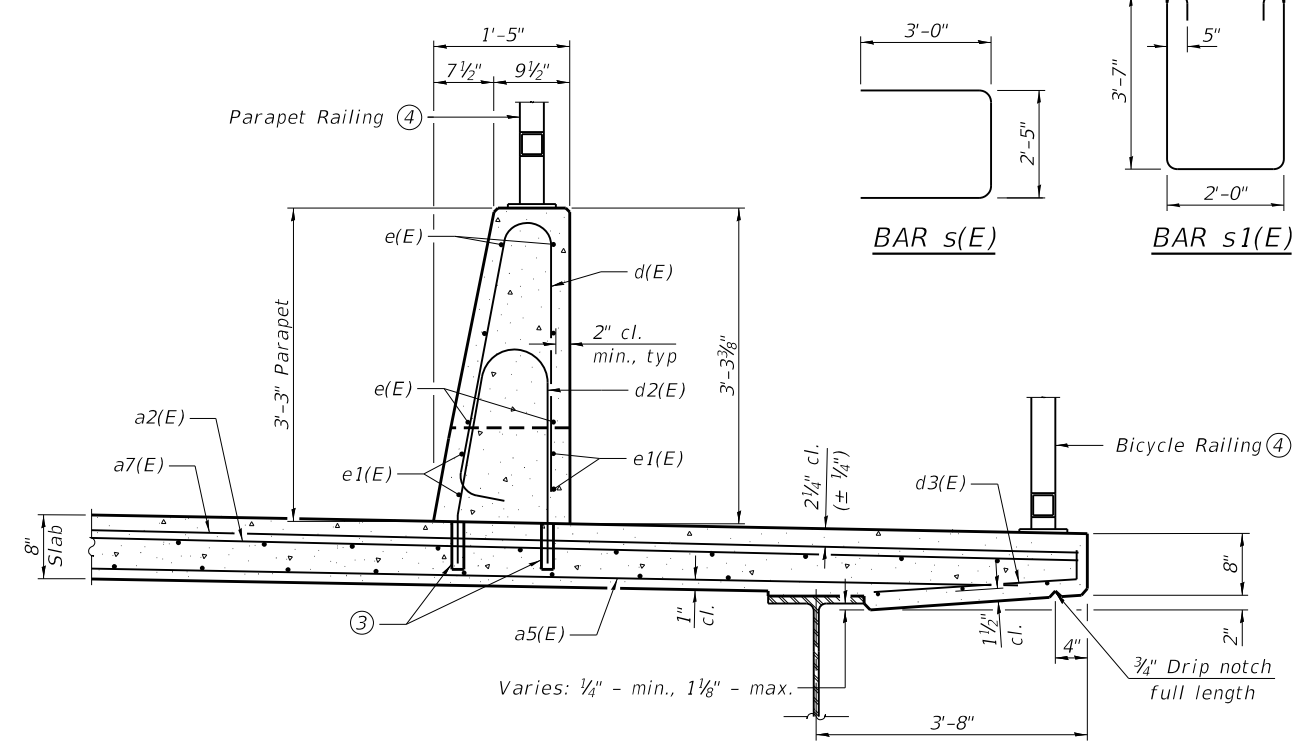
BAR d1(E)



BAR d2(E)



SECTION THRU NORTH PARAPET



SECTION THRU SOUTH PARAPET

SUPERSTRUCTURE
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|---------|---------|-------|
| a(E) | 169 | #5 | 24'-1" | — |
| a1(E) | 81 | #5 | 16'-3" | — |
| a2(E) | 169 | #5 | 48'-8" | — |
| a3(E) | 117 | #5 | 23'-11" | — |
| a4(E) | 58 | #5 | 13'-3" | — |
| a5(E) | 117 | #5 | 48'-6" | — |
| a6(E) | 161 | #6 | 8'-4" | — |
| a7(E) | 161 | #6 | 13'-11" | — |
| b(E) | 231 | #5 | 33'-1" | — |
| b1(E) | 272 | #5 | 25'-5" | — |
| d(E) | 284 | #5 | 6'-5" | — |
| d1(E) | 142 | #5 | 8'-10" | — |
| d2(E) | 142 | #5 | 5'-1" | — |
| d3(E) | 142 | #5 | 3'-2" | — |
| e(E) | 60 | #4 | 18'-6" | — |
| e1(E) | 32 | #4 | 25'-4" | — |
| m(E) | 16 | #6 | 25'-9" | — |
| m1(E) | 16 | #6 | 47'-4" | — |
| m2(E) | 2 | #6 | 9'-4" | — |
| m3(E) | 12 | #6 | 7'-8" | — |
| m4(E) | 2 | #6 | 4'-5" | — |
| m5(E) | 2 | #6 | 3'-4" | — |
| m6(E) | 4 | #6 | 3'-1" | — |
| m7(E) | 72 | #6 | 10'-11" | — |
| s(E) | 148 | #5 | 8'-5" | — |
| s1(E) | 148 | #5 | 10'-3" | — |
| v(E) | 152 | #5 | 3'-1" | — |
| Concrete Superstructure | | Cu. Yd. | 262.3 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 56,630 | |

- Notes:
- The 1/8" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 - The polyurethane sealant shall be according to Article 1050.04 of the Standard Specifications and the color shall be gray. Drill and set d2(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".
 - For Parapet Railing and Bicycle Railing details, see sheet 16 of 37.
 - Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.

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| USER NAME = | DESIGNED - ETH | REVISED - |
| PLOT SCALE = | CHECKED - KBC | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - ETH | REVISED - |
| | CHECKED - KBC | REVISED - |

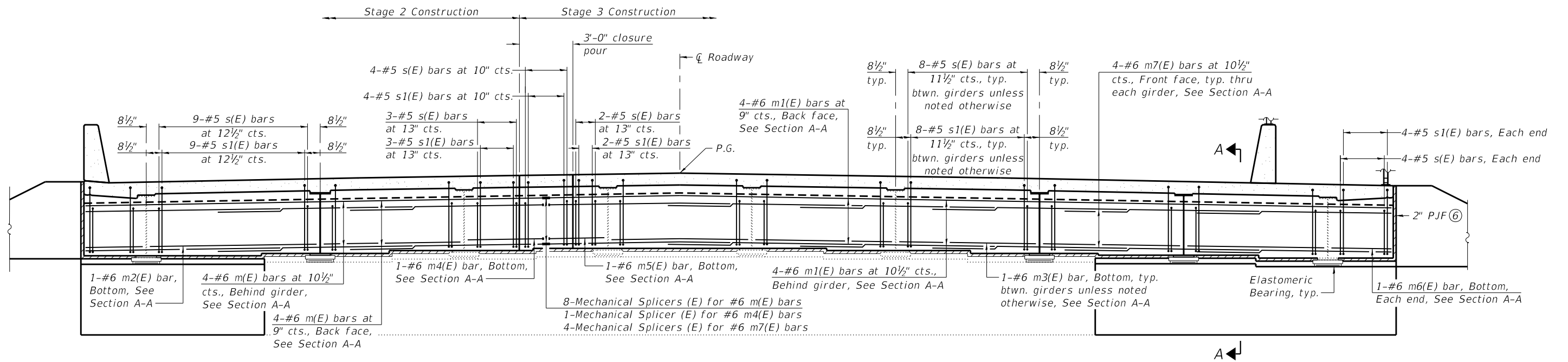


ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 082-3095

SHEET 11 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 131 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



DIAPHRAGM ELEVATION AT ABUTMENT

(Looking at Front of East Diaphragm, West Diaphragm similar)

MINIMUM BAR LAP

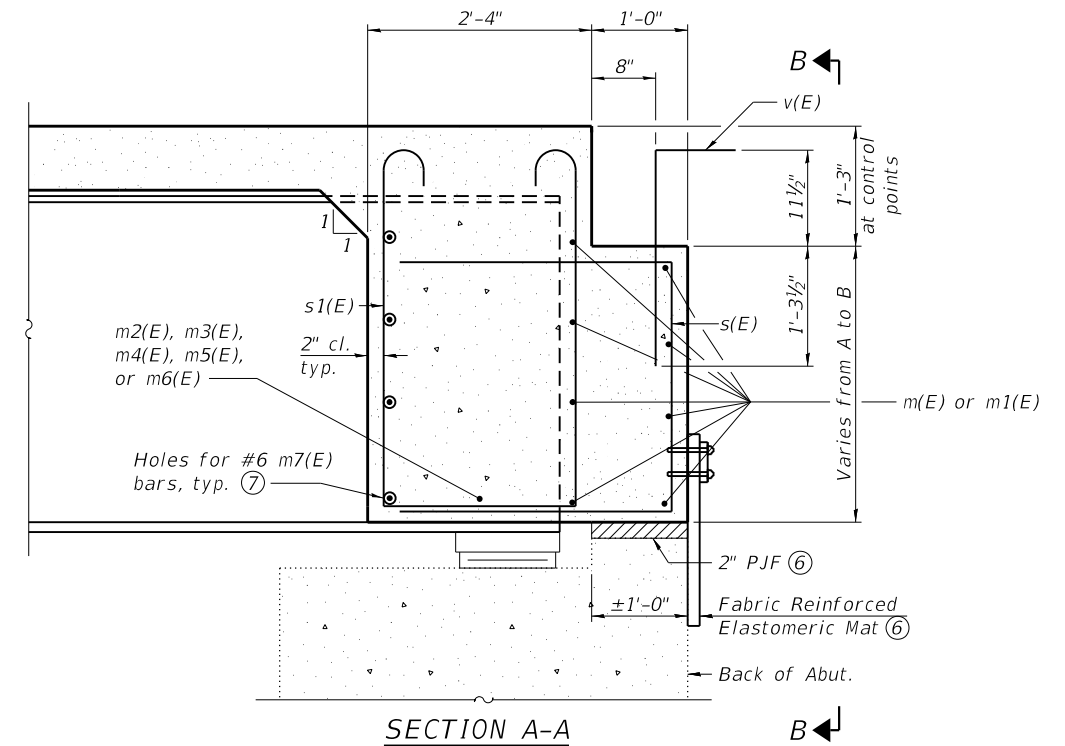
#6 bar = 3'-6"

CONTROL POINT ELEVATIONS

| Abutment | North Parapet | ☐ Roadway | South Edge of Deck |
|----------|---------------|-----------|--------------------|
| West | 530.13 | 530.68 | 529.97 |
| East | 529.57 | 530.12 | 529.41 |

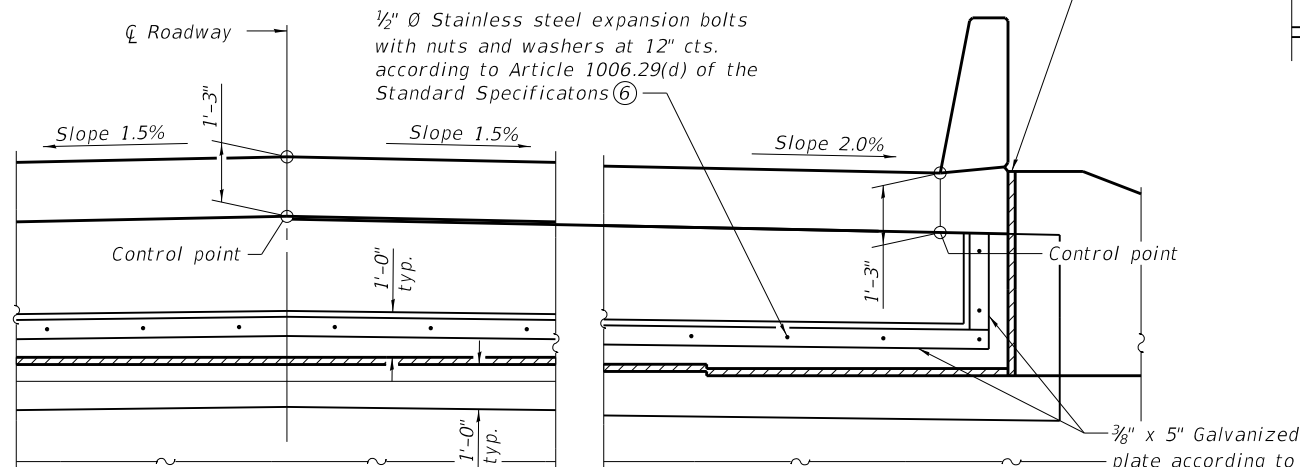
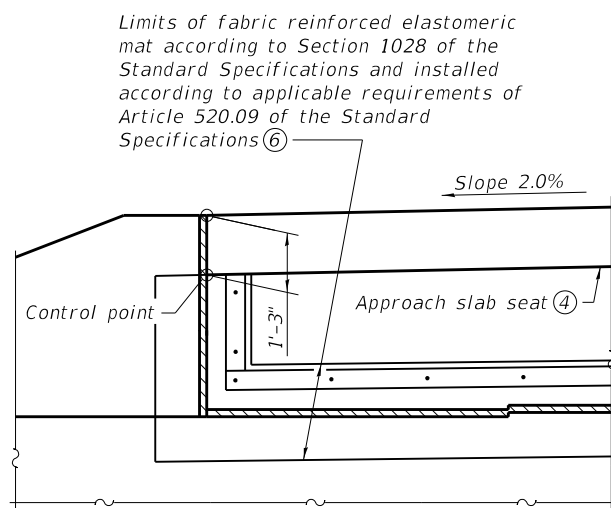
DIMENSION TABLE

| Abutment | A | B |
|----------|-----------|------------|
| West | 2'-9 3/8" | 2'-11 1/8" |
| East | 2'-9 1/4" | 2'-11 3/8" |

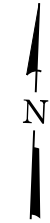


Notes:

- ① Reinforcement bars in diaphragm are billed with superstructure on sheet 11 of 37.
- ② Concrete in diaphragm is included with Concrete Superstructure on sheet 11 of 37.
- ③ For details of bars s(E), s1(E), u(E), and v(E), see sheet 11 of 37.
- ④ The approach slab seat shall have a constant slope determined from the control points shown.
- ⑤ For bearing details, see sheet 18 of 37.
- ⑥ Cost of 2" P.J.F, fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers, and installation are included with the cost of Concrete Superstructure.
- ⑦ For hole locations in new girders, see sheet 17 of 37.

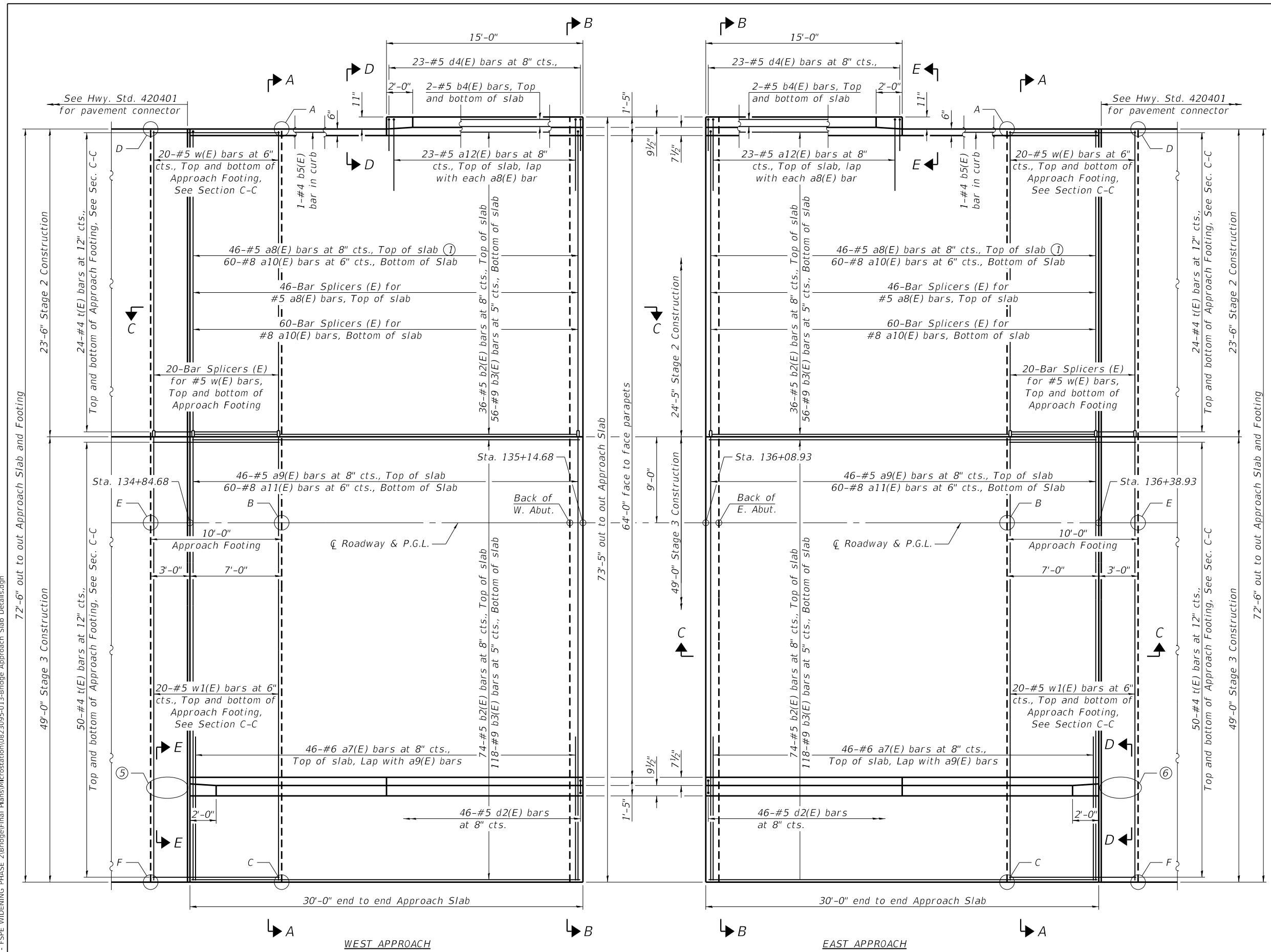


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**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

| Point | West Approach | | East Approach | |
|-------|---------------|--------|---------------|--------|
| | Top | Bottom | Top | Bottom |
| A | 530.22 | 529.39 | 529.40 | 528.57 |
| B | 530.78 | 529.95 | 529.96 | 529.13 |
| C | 530.07 | 529.24 | 529.25 | 528.42 |
| D | 530.27 | 529.44 | 529.33 | 528.50 |
| E | 530.83 | 530.00 | 529.89 | 529.06 |
| F | 530.12 | 529.29 | 529.18 | 528.35 |



- Notes:
- ① Tilt a8(E) bars as necessary to fit curb.
 - ② For Sections A-A and B-B, see sheet 14 of 37.
 - ③ For Sections C-C, and Views D-D and E-E, see sheet 15 of 37.
 - ④ For details of Bar Splicers, see sheet 23 of 37.
 - ⑤ Form blockouts for posts of Traffic Barrier Terminal Type 6 (Std. 631031), cut bars as necessary.
 - ⑥ Form blockouts for posts of Traffic Barrier Terminal Type 5 (Std. 631026), cut bars as necessary.

PLAN

FILE NAME: H:\P17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-013-Bridge Approach Slab Details.dgn



| | |
|------------------------|----------------|
| USER NAME = | DESIGNED - ETH |
| PLOT SCALE = | CHECKED - KBC |
| PLOT DATE = 11/11/2021 | DRAWN - ETH |
| | CHECKED - KBC |

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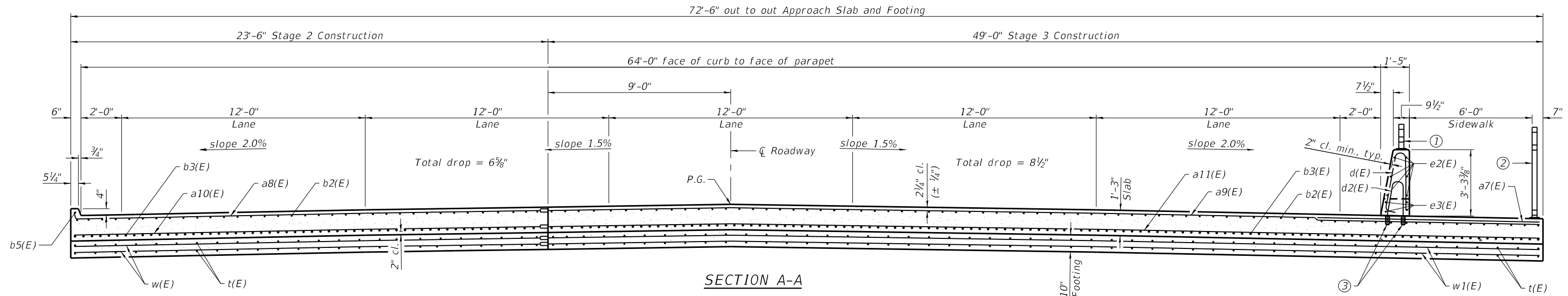


**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

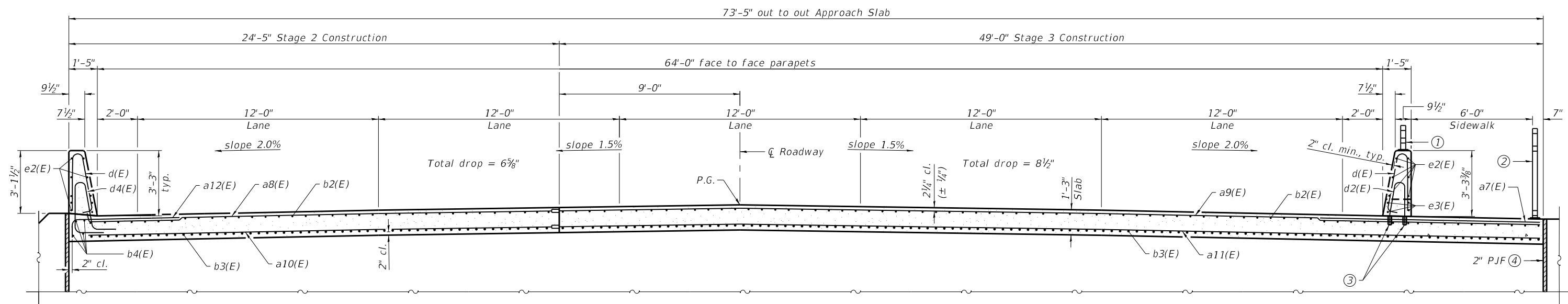
**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 082-3095**

SHEET 13 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 133 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SECTION A-A



SECTION B-B

- Notes:
- ① For details of Parapet Railing, see sheet 16 of 37.
 - ② For details of Bicycle Railing, see sheet 16 of 37.
 - ③ Drill and set d2(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".
 - ④ For P.J.F. details, see sheet 12 of 37.

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-014-Bridge Approach Slab Details.dgn



| | | |
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| USER NAME = | DESIGNED - ETH | REVISED - |
| PLOT SCALE = | CHECKED - KBC | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - ETH | REVISED - |
| | CHECKED - KBC | REVISED - |

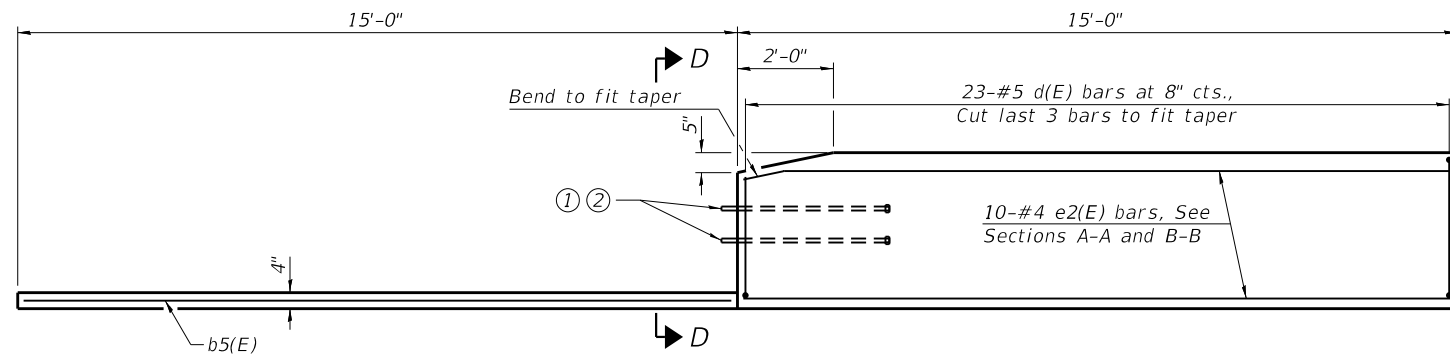


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

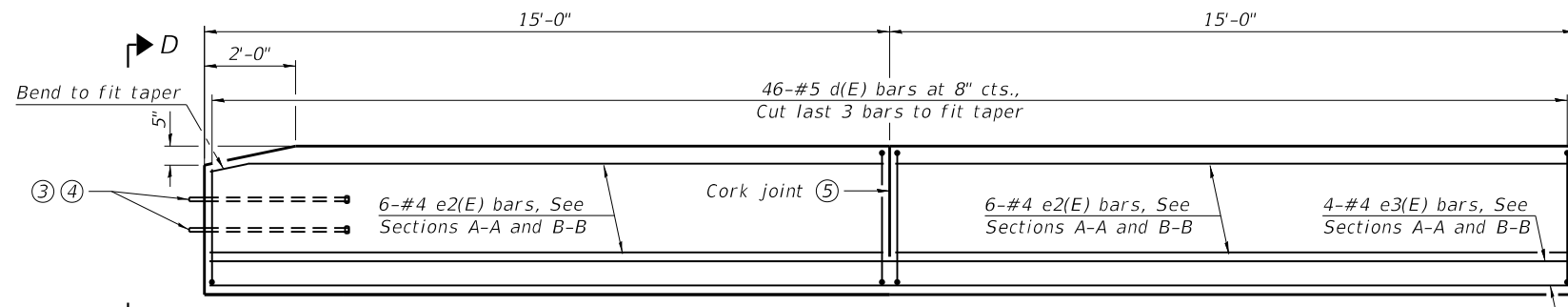
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 082-3095

SHEET 14 OF 37 SHEETS

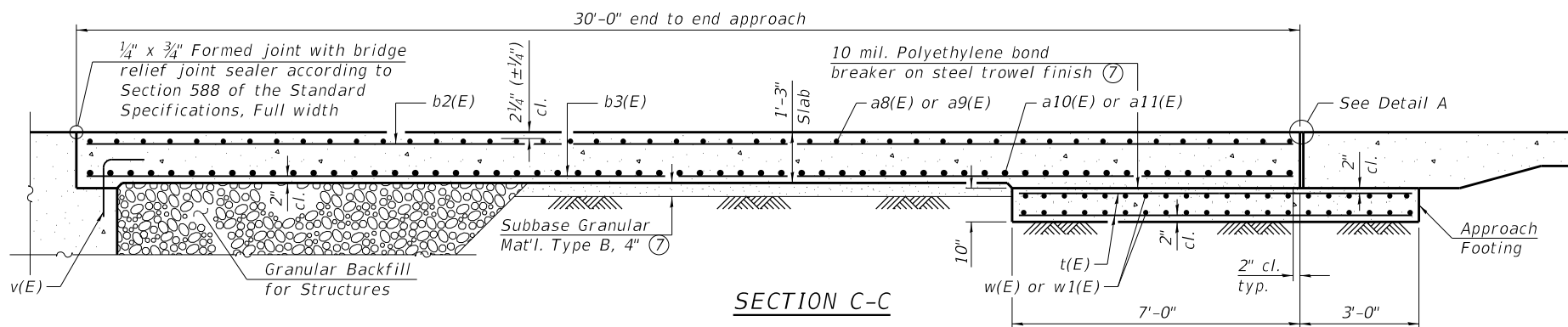
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|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 134 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



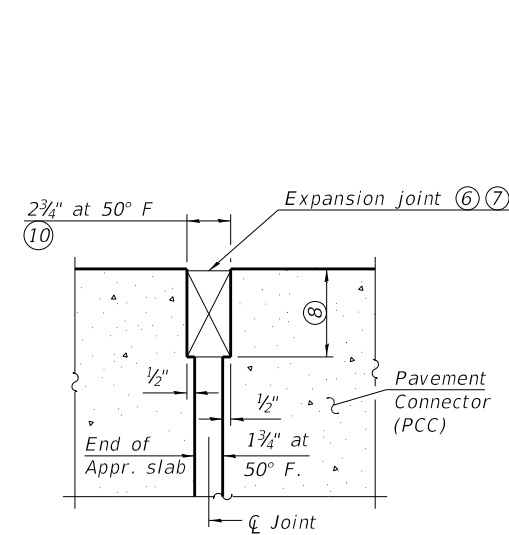
INSIDE ELEVATION OF NORTH PARAPET AND CURB
(West approach shown, east approach similar)



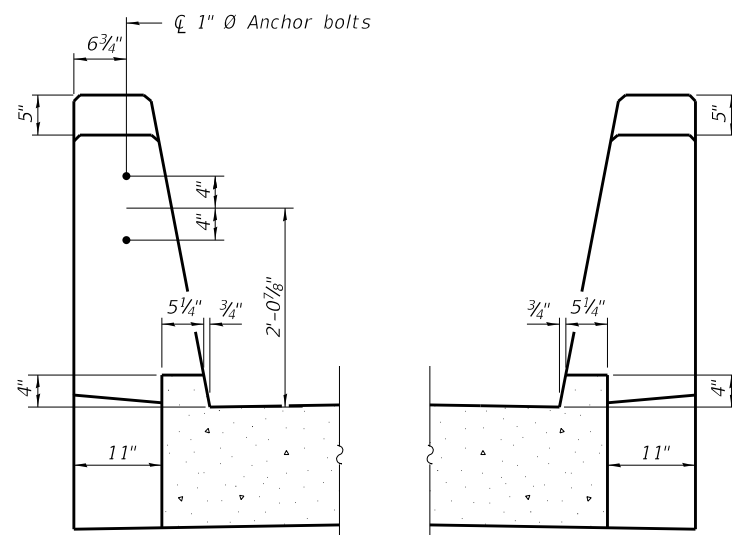
INSIDE ELEVATION OF SOUTH PARAPET
(East approach shown, west approach similar)



SECTION C-C

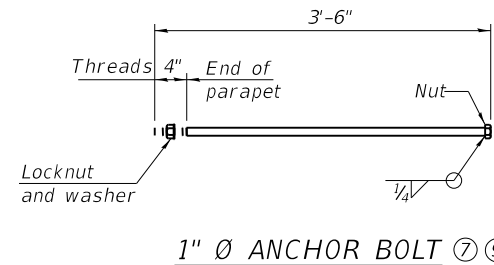


DETAIL A

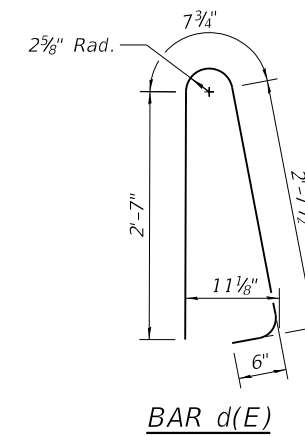


VIEW D-D
(West approach shown, east approach similar)

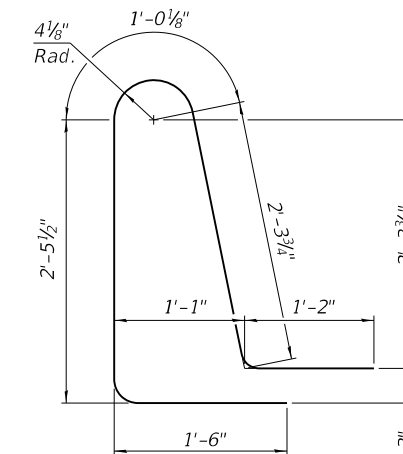
VIEW E-E
(East approach shown, west approach similar)



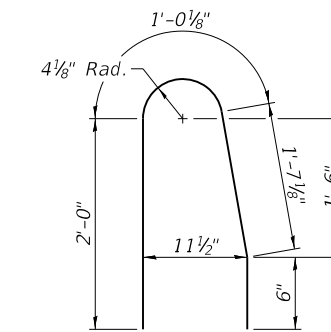
1" Ø ANCHOR BOLT



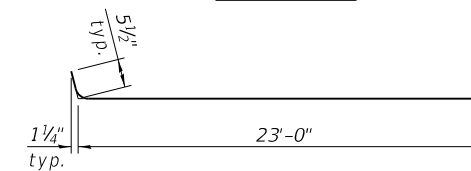
BAR d(E)



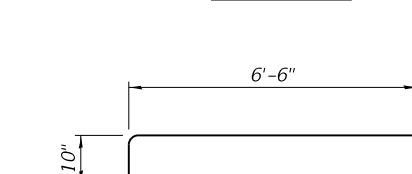
BAR d4(E)



BAR d2(E)



BAR a8(E)



BAR a12(E)

**TWO APPROACHES
BILL OF MATERIAL**

| Bar | No. | Size | Length | Shape |
|---|-----|---------|---------|-------|
| a7(E) | 92 | #6 | 13'-11" | — |
| a8(E) | 92 | #5 | 23'-6" | — |
| a9(E) | 92 | #5 | 48'-8" | — |
| a10(E) | 120 | #8 | 23'-2" | — |
| a11(E) | 120 | #8 | 48'-8" | — |
| a12(E) | 46 | #5 | 7'-4" | — |
| b2(E) | 220 | #5 | 29'-8" | — |
| b3(E) | 348 | #9 | 29'-8" | — |
| b4(E) | 8 | #5 | 14'-8" | — |
| b5(E) | 2 | #4 | 14'-8" | — |
| d(E) | 138 | #5 | 6'-5" | U |
| d2(E) | 92 | #5 | 5'-1" | U |
| d4(E) | 46 | #5 | 8'-6" | U |
| e2(E) | 44 | #4 | 14'-8" | — |
| e3(E) | 8 | #4 | 29'-8" | — |
| t(E) | 296 | #4 | 9'-8" | — |
| w(E) | 80 | #5 | 23'-2" | — |
| w1(E) | 80 | #5 | 48'-8" | — |
| Concrete Structures | | Cu. Yd. | 44.8 | |
| Concrete Superstructure | | Cu. Yd. | 11.9 | |
| Concrete Superstructure (Approach Slab) | | Cu. Yd. | 203.0 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 84,580 | |

- Notes:
- 1" Ø Anchor bolts for Type 5 terminal connection at West Approach. See View D-D and Highway Standard 631026.
 - See Highway Standard 631031 for Type 6 terminal connection at East Approach.
 - See Highway Standard 631031 for Type 6 terminal connection at West Approach.
 - 1" Ø Anchor bolts for Type 5 terminal connection at East Approach. See View D-D and Highway Standard 631026.
 - For Parapet Joint Details, see sheet 11 of 37.
 - See Special Provision "Preformed Pavement Joint Seal". Recess 1/4" minimum. Run out to out of slab.
 - Cost included with Concrete Superstructure (Approach Slab).
 - Per manufacturer recommendations.
 - Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications.
 - The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 - Parapet concrete shall be paid for as Concrete Superstructure.
 - Approach slab concrete shall be paid for as Concrete Superstructure (Approach Slab).
 - Approach footing concrete shall be paid for as Concrete Structures.
 - The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 - Cost of excavation for approach footing included with Concrete Structures.
 - For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 37.
 - Calculated weight of Reinforcement Bars, Epoxy Coated = 76,670 (Superstructure) 7,910 (Substructure)
 - For Section A-A and B-B, see sheet 14 of 37.

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-015-Bridge Approach Slab Details.dgn



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| USER NAME = | DESIGNED - ETH | REVISIONS - |
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| PLOT DATE = 11/11/2021 | DRAWN - ETH | REVISIONS - |
| | CHECKED - KBC | REVISIONS - |

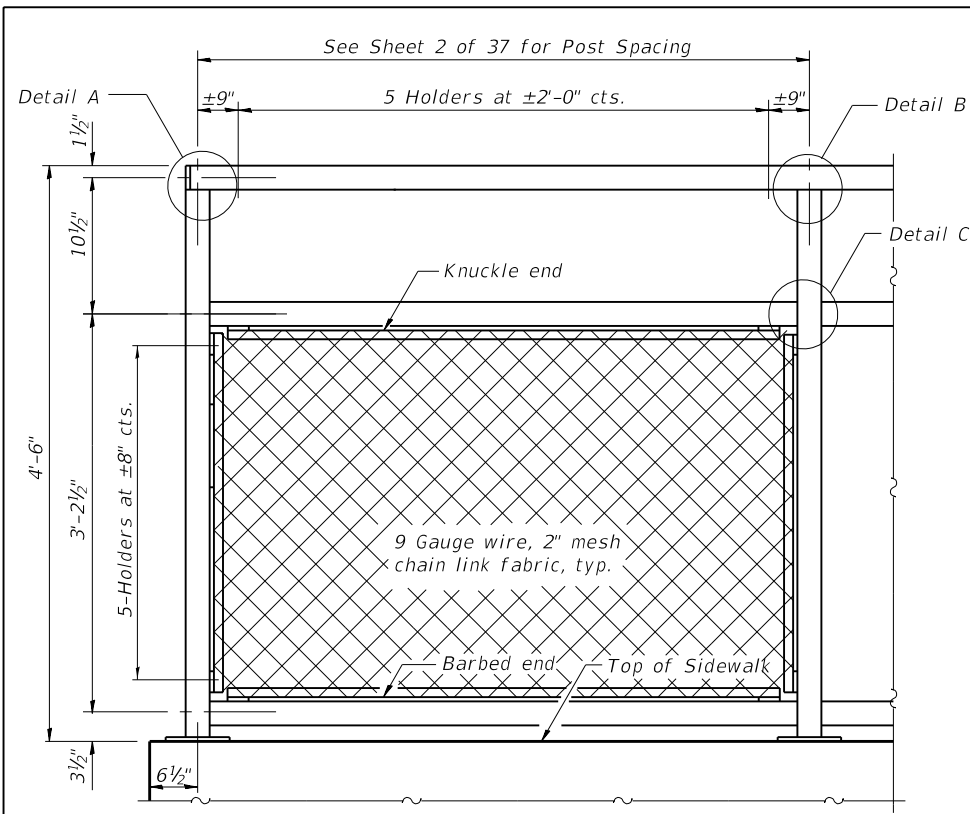


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

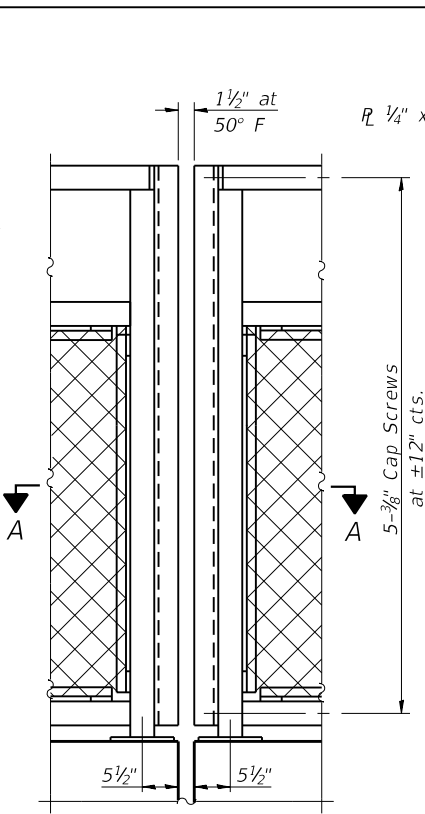
**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 082-3095**

SHEET 15 OF 37 SHEETS

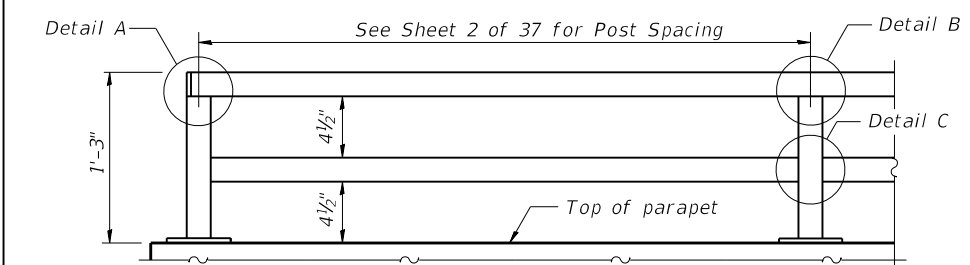
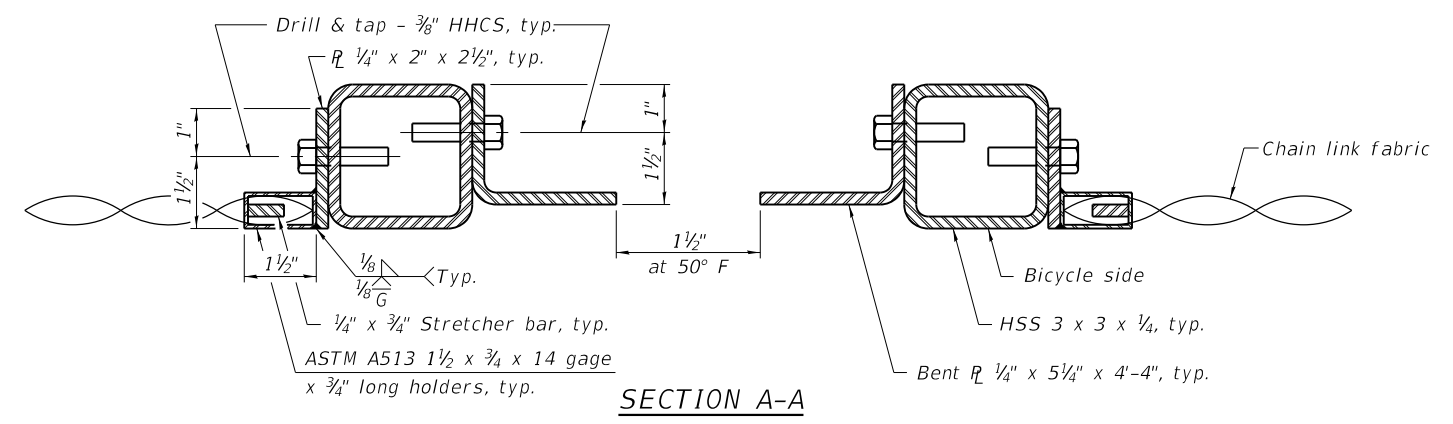
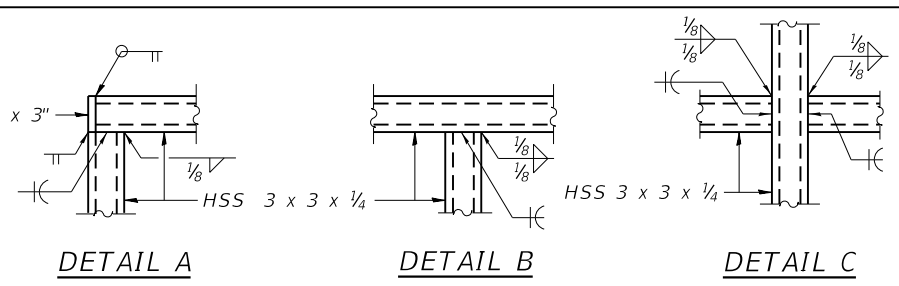
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 135 |
| CONTRACT NO. 97752 | | | | |
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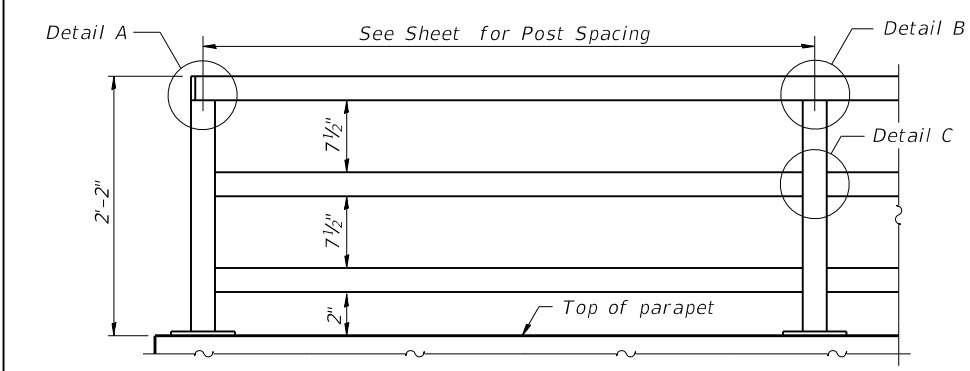
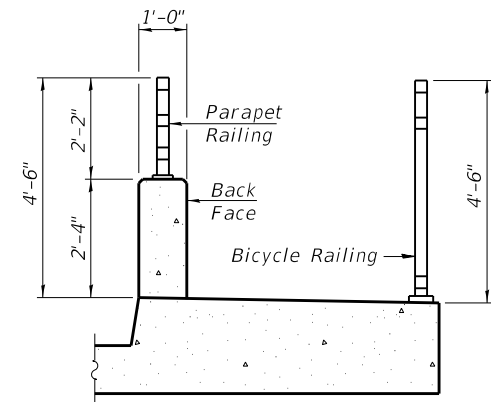
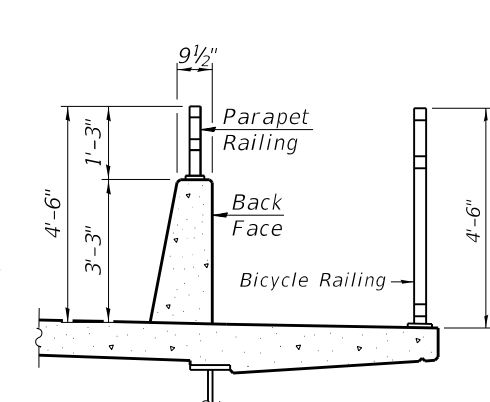
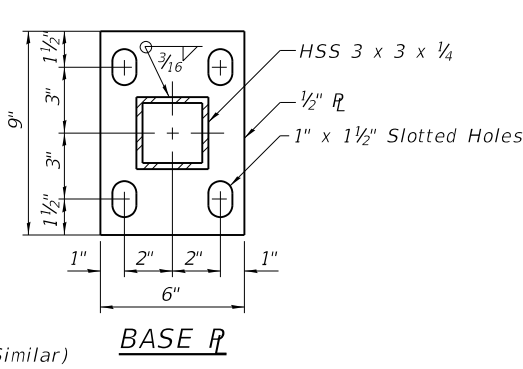
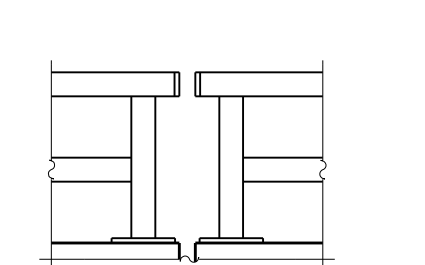
BICYCLE RAILING



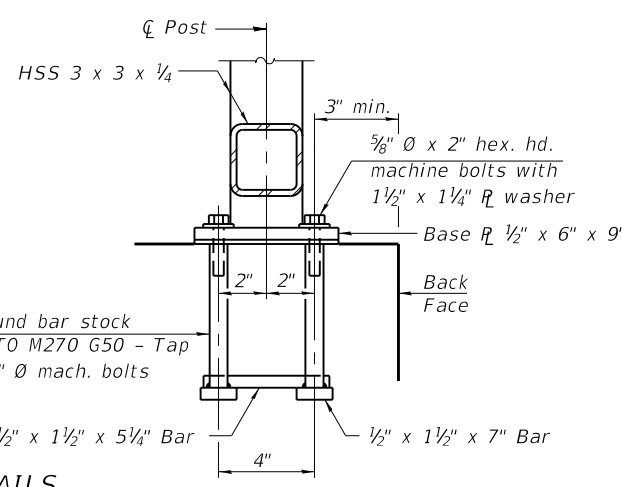
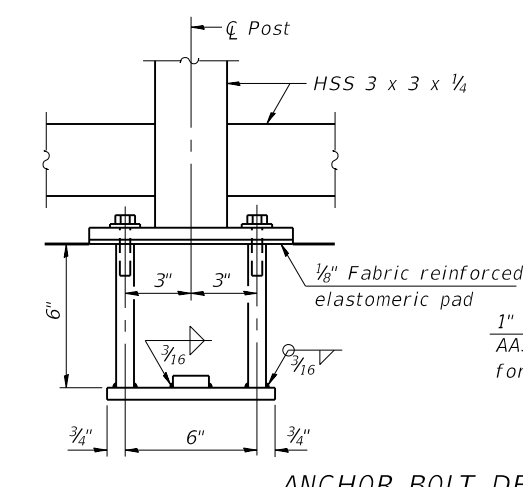
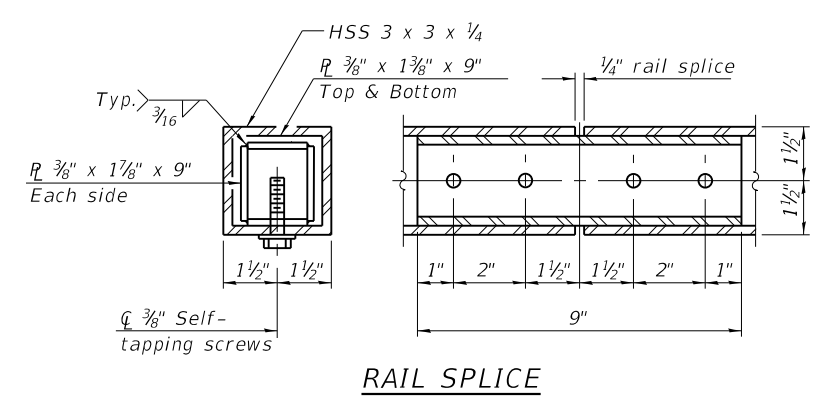
BICYCLE RAILING



PARAPET RAILING ELEVATION
(Inside Face of Two Element Rail)



PARAPET RAILING ELEVATION
(Inside Face of Three Element Rail)



Notes:

All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.

CVN testing may be omitted for the Bicycle Railing.

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

| Item | Unit | Quantity |
|-----------------|------|----------|
| Bicycle Railing | Foot | 151 |
| Parapet Railing | Foot | 147 |

FILE NAME: H:\P17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-016-Bicycle Railing.dgn

R-29 1-14-2019 (10'-0" Maximum Post Spacing)



| | | |
|------------------------|------------|-----------|
| USER NAME = | DESIGNED - | REVISED - |
| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |



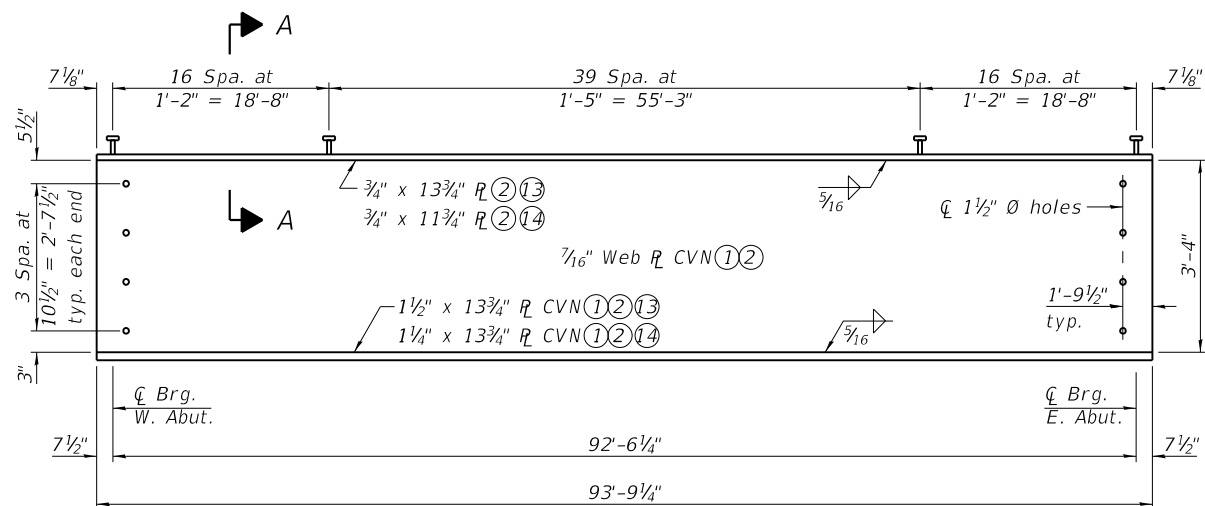
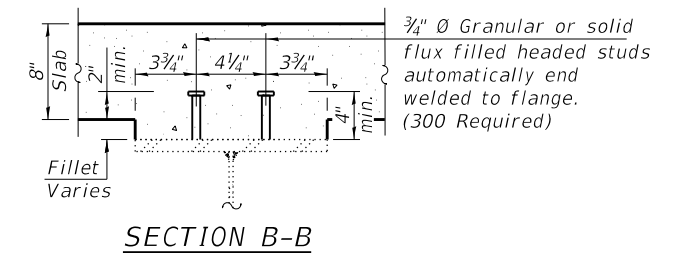
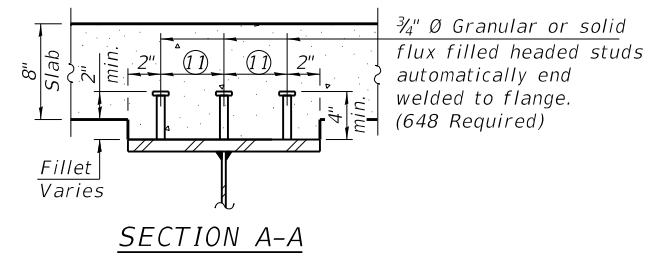
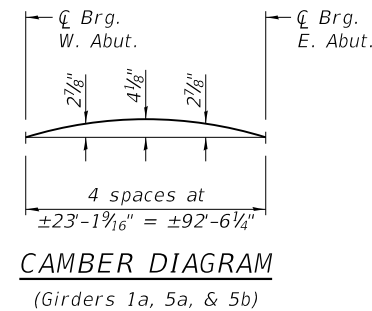
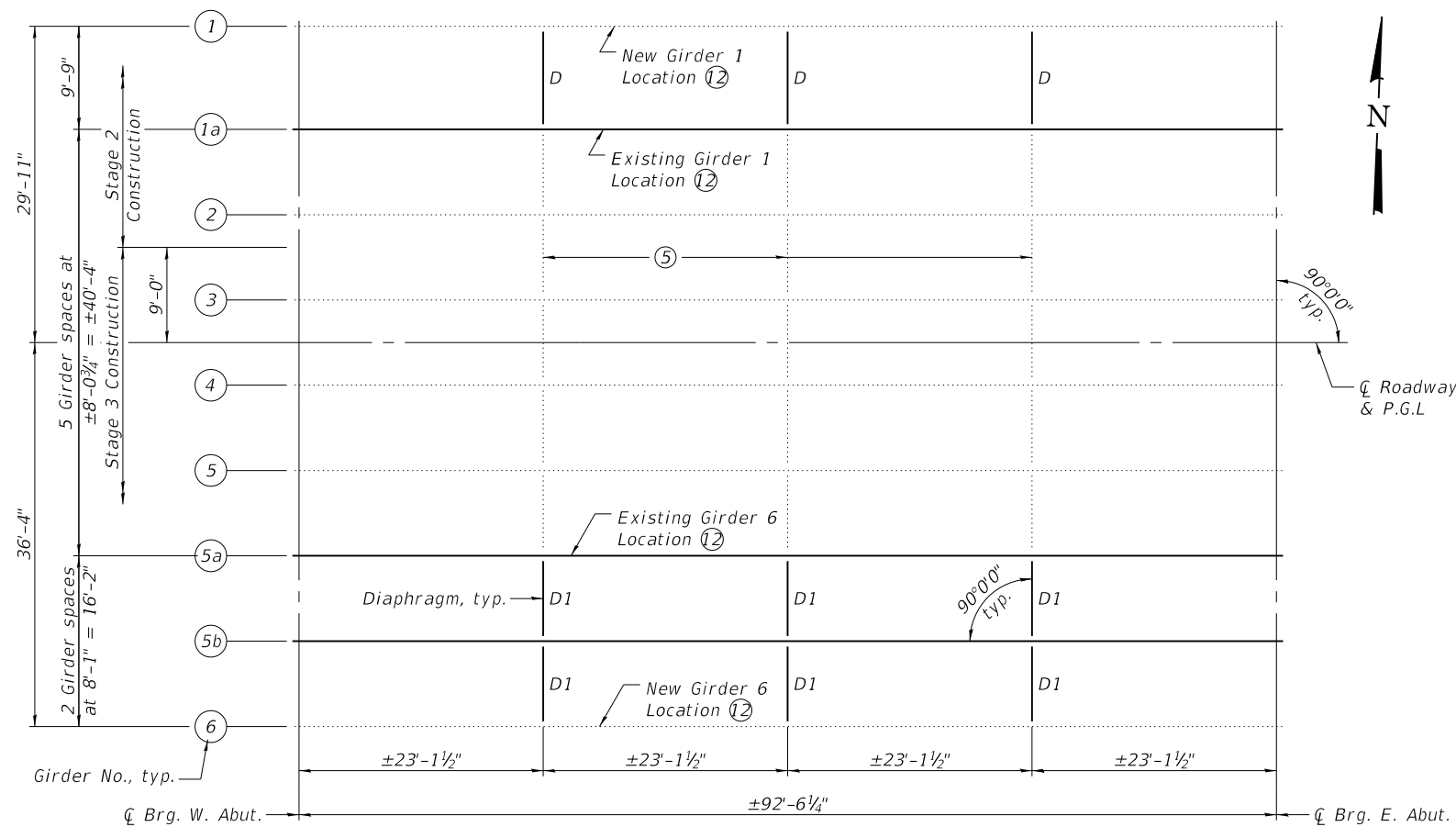
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

BICYCLE RAILING STRUCTURE NO. 082-3095

SHEET 16 OF 37 SHEETS

| | | | | |
|--------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 136 |
| CONTRACT NO. 97752 | | | | |

ILLINOIS FED. AID PROJECT



| | GIRDER MOMENT TABLE | | |
|--|---------------------------|-----------|-----------------|
| | 0.5 Span | | |
| | Girder 1 | Girder 1a | Interior Girder |
| I_s | (in ⁴) 12,602 | 14,519 | 12,602 |
| $I_c(n)$ | (in ⁴) 38,641 | 44,003 | 39,204 |
| $I_c(3n)$ | (in ⁴) 28,236 | 32,031 | 28,842 |
| S_s | (in ³) 731 | 854 | 731 |
| $S_c(n)$ | (in ³) 1,041 | 1,191 | 1,044 |
| $S_c(3n)$ | (in ³) 964 | 1,107 | 970 |
| Z | (in ³) - | - | - |
| ρ | (k/ft) 1.068 | 1.092 | 0.987 |
| $M\ddot{L}$ | (k) 1,142.8 | 1,168.4 | 1,056.1 |
| $s\ddot{L}$ | (k/ft) 0.175 | 0.175 | 0.202 |
| $M_s\ddot{L}$ | (k) 187.3 | 187.3 | 216.1 |
| $M\ddot{L}_1$ | (k) 1,050.1 | 1,122.1 | 1,018.2 |
| $M\ddot{L}_2$ | (k) 241.5 | 258.1 | 234.2 |
| $M\ddot{L}_3 [M\ddot{L}_1 + M\ddot{L}_2]$ | (k) 2,152.7 | 2,300.3 | 2,087.3 |
| M_a | (k) 4,527.6 | 4,752.8 | 4,367.4 |
| M_u | (k) 5,213.9 | 5,848.2 | 5,290.4 |
| $f_s \ddot{L}$ non-comp | (ksi) 18.76 | 16.42 | 17.34 |
| $f_s \ddot{L}$ (comp) | (ksi) 2.33 | 2.03 | 2.67 |
| $f_s \ddot{L}_3 [M\ddot{L}_1 + M\ddot{L}_2]$ | (ksi) 24.81 | 23.18 | 23.99 |
| f_s (Overload) | (ksi) 45.90 | 41.63 | 44.00 |
| f_s (Total) | (ksi) - | - | - |
| VR | (k) 60.4 | 69.6 | 64.3 |

I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total and Overload) due to non-composite dead loads (in⁴ and in³).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total and Overload) due to short-term composite live loads (in⁴ and in³).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total and Overload) due to long-term composite (superimposed) dead loads (in⁴ and in³).

Z : Plastic Section Modulus of the steel section in non-composite areas (in³).

ρ : Un-factored non-composite dead load (kips/ft.).

$M\ddot{L}$: Un-factored moment due to non-composite dead load (kip-ft.).

$s\ddot{L}$: Un-factored long-term composite (superimposed) dead load (kips/ft.).

$M_s\ddot{L}$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).

$M\ddot{L}_1$: Un-factored live load moment (kip-ft.).

$M\ddot{L}_2$: Un-factored moment due to impact (kip-ft.).

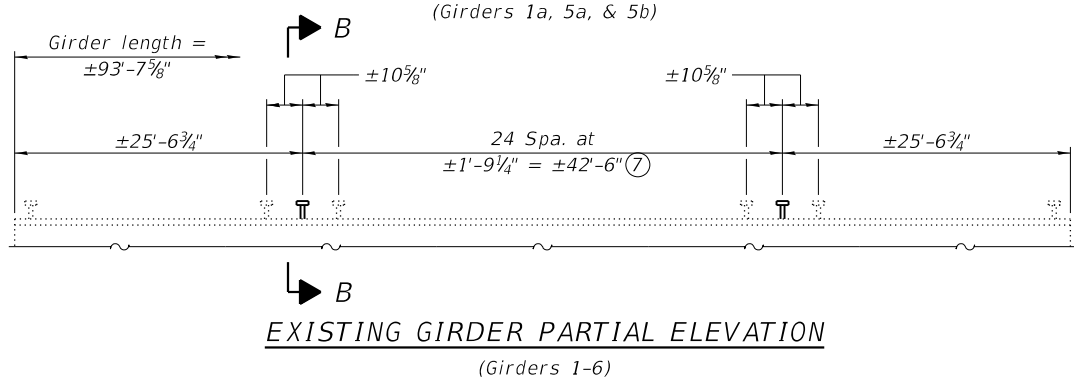
M_a : Factored design moment (kip-ft.).
1.3 [$M\ddot{L} + M_s\ddot{L} + \frac{5}{3}(M\ddot{L}_1 + M\ddot{L}_2)$]

M_u : Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).

f_s (Overload): Sum of stresses as computed from the moments below (ksi).
 $M\ddot{L} + M_s\ddot{L} + \frac{5}{3}(M\ddot{L}_1 + M\ddot{L}_2)$

f_s (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).
1.3 [$M\ddot{L} + M_s\ddot{L} + \frac{5}{3}(M\ddot{L}_1 + M\ddot{L}_2)$]

VR: Maximum \ddot{L} + impact shear range within the composite portion of the span for stud shear connector design (kips).



| | GIRDER REACTION TABLE | | |
|---------------|-----------------------|-----------|-----------------|
| | Abut. | | |
| | Girder 1 | Girder 1a | Interior Girder |
| $R\ddot{L}$ | (k) 95.9(8) | 97.9(9) | 94.0(10) |
| $R\ddot{L}_1$ | (k) 49.1 | 56.6 | 52.3 |
| $R\ddot{L}_2$ | (k) 11.3 | 13.0 | 12.0 |
| R_{Total} | (k) 156.3 | 167.5 | 158.3 |

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-017-Framing Plan & Beam Details.dgn



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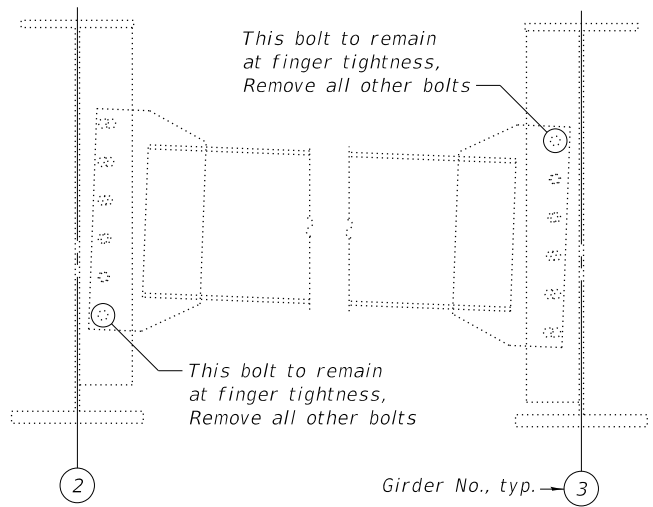


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

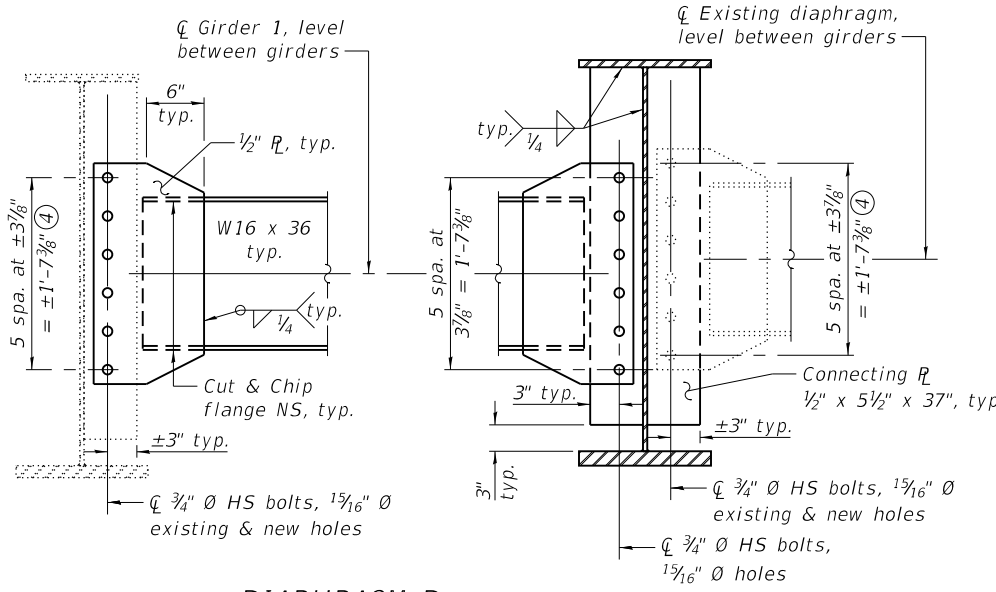
FRAMING PLAN & GIRDER DETAILS
STRUCTURE NO. 082-3095

SHEET 17 OF 37 SHEETS

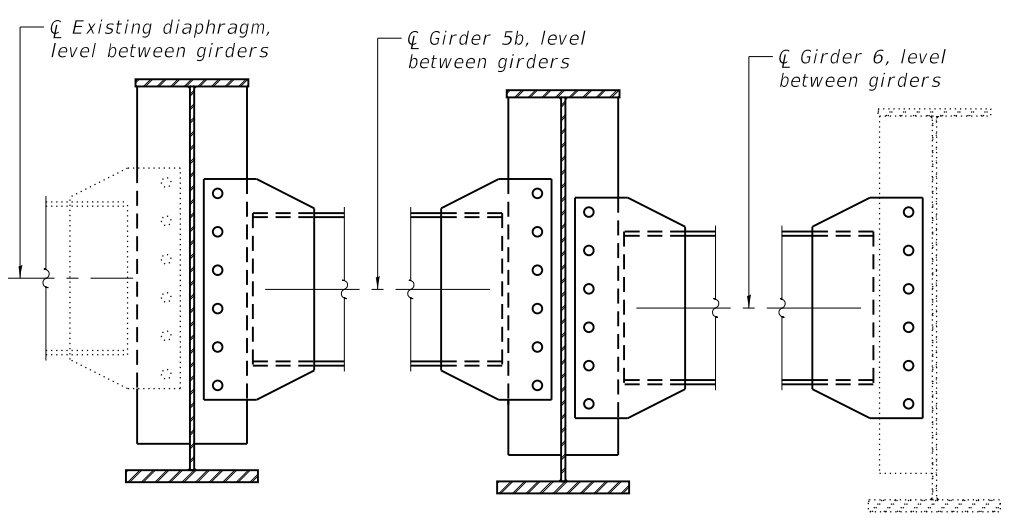
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| CONTRACT NO. 97752 | | | | |
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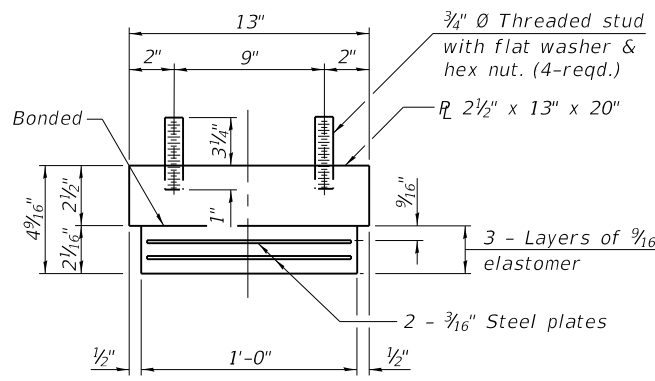
DETAILS OF INTERMEDIATE DIAPHRAGMS BETWEEN GIRDERS 2 & 3



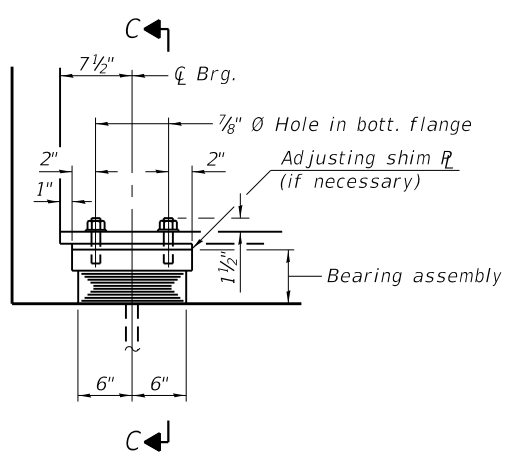
DIAPHRAGM D
(3 Required)



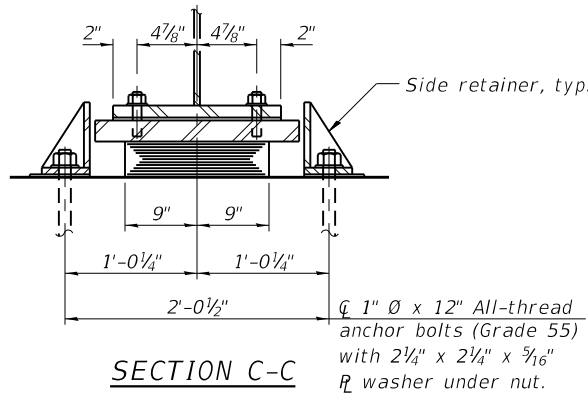
DIAPHRAGM D1
(6 Required, See Diaphragm D for details not shown)



BEARING ASSEMBLY ⑦

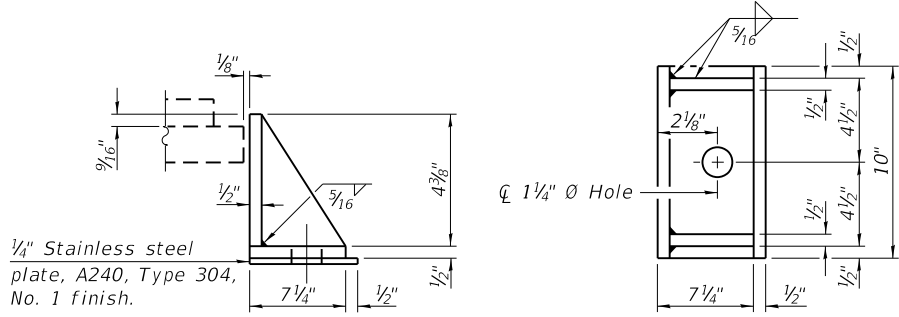


ELEVATION AT ABUT.



SECTION C-C

TYPE I ELASTOMERIC EXP. BRG.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

- Notes:**
- ① The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
 - ② Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
 - ③ The Contractor shall field verify existing hole locations in the bottom flange of Girders 1 and 6, which shall be compared to the threaded stud locations shown on this sheet. Modifications for differences shall be as directed by the Engineer.
 - ④ The Contractor shall field verify existing hole locations in diaphragm connection plates and diaphragms.
 - ⑤ Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
 - ⑥ The existing elastomeric bearings at Girder 1a and 5a shall be removed and disposed of according to Article 501.05 of the Standard Specifications, existing side retainers and anchor bolts shall remain. Cost of removal of existing elastomeric bearings and preparation of the abutment seat for installation of the new elastomeric bearings are included in the cost of Elastomeric Bearing Assembly, Type I. Damage caused by the Contractor shall be repaired or replaced in a manner satisfactory to the Engineer. Side retainers and anchor bolts will not be included in the cost of Elastomeric Bearing Assembly, Type I for the Girder 1a and 5a bearings.
 - ⑦ Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details. Shim plates shall not be placed under bearing assembly.
 - ⑧ For surface preparation and painting requirements of existing steel in areas that will be in contact with new steel, see Special Provision for Cleaning and Painting Contact Surface Areas of Existing Steel Structures. All connections are classified as secondary connections.
 - ⑨ All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.
 - ⑩ Two hardened washers required for each set of oversized holes.
 - ⑪ Existing bearings, side retainers, and anchor bolts at Girders 2-5 shall remain.

BILL OF MATERIAL

| Item | Unit | Total |
|--------------------------------------|------|-------|
| Elastomeric Bearing Assembly, Type I | Each | 10 |
| Anchor Bolts, 1" | Each | 12 |

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-018-Beam & Bearing Details.dgn



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PLOT SCALE =
DRAWN - KBC
PLOT DATE = 11/11/2021

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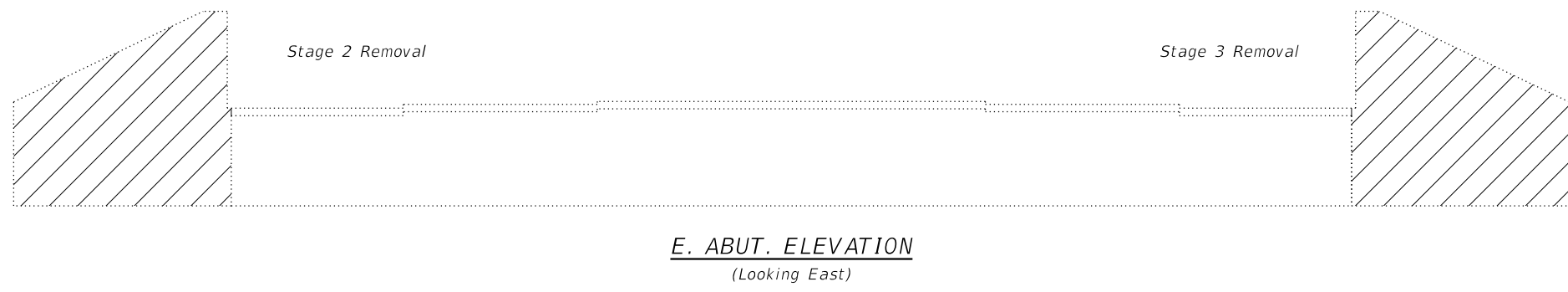
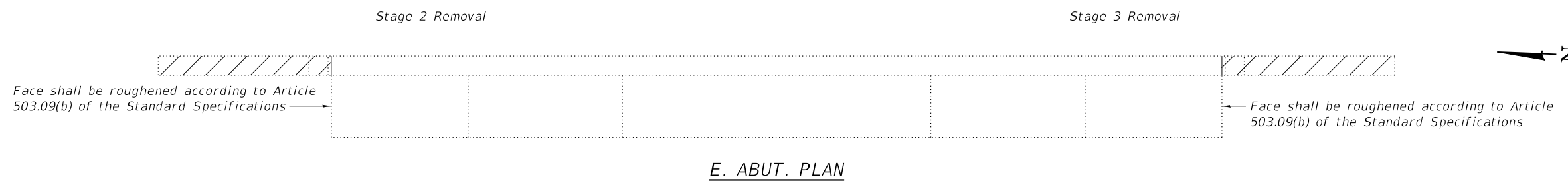
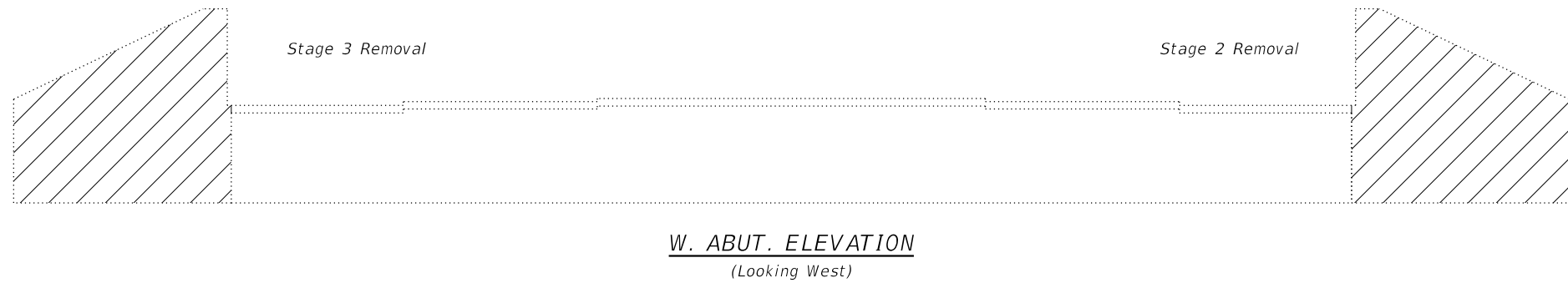
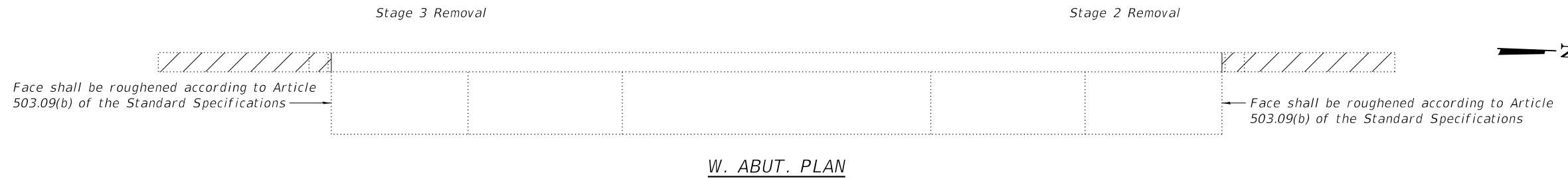
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**GIRDER & BEARING DETAILS
STRUCTURE NO. 082-3095**

SHEET 18 OF 37 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 138 |
| CONTRACT NO. 97752 | | | | |

ILLINOIS FED. AID PROJECT



BILL OF MATERIAL

| Item | Unit | Total |
|------------------|---------|-------|
| Concrete Removal | Cu. Yd. | 8.3 |

Notes:
 ① Hatched area indicates Concrete Removal.

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-019-Abutment Concrete Removal.dgn

OATES ASSOCIATES
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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| PLOT SCALE = | DRAWN - KBC | REVISED - |
| PLOT DATE = 11/11/2021 | CHECKED - JAD | REVISED - |

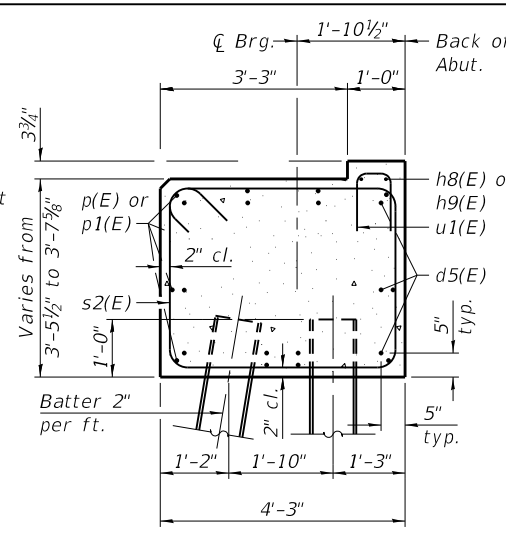
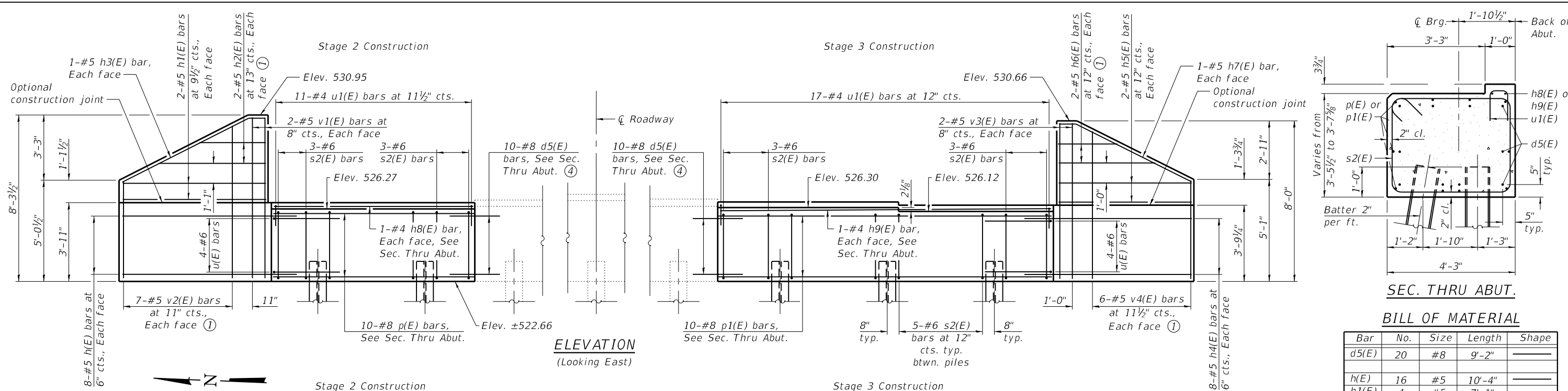
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**ABUTMENT CONCRETE REMOVAL
 STRUCTURE NO. 082-3095**

SHEET 19 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 139 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

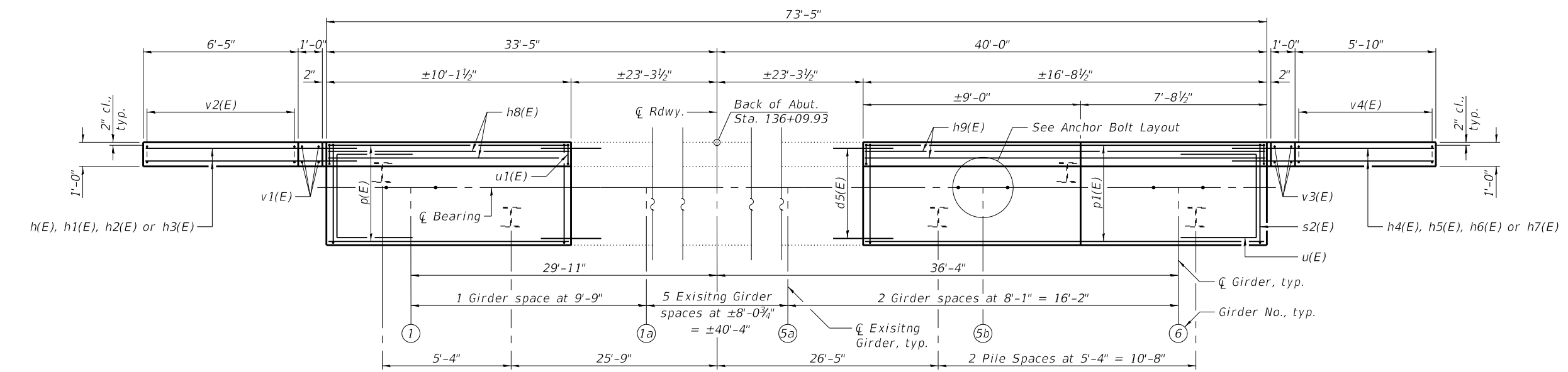
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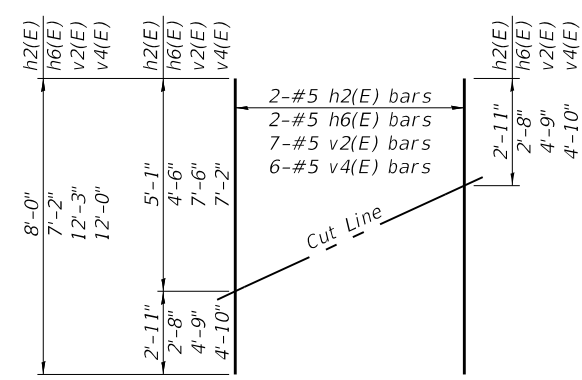
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BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|---------|--------|-------|
| d5(E) | 20 | #8 | 9'-2" | — |
| h(E) | 16 | #5 | 10'-4" | — |
| h1(E) | 4 | #5 | 7'-1" | — |
| h2(E) | 2 | #5 | 8'-0" | — |
| h3(E) | 2 | #5 | 7'-9" | — |
| h4(E) | 16 | #5 | 9'-9" | — |
| h5(E) | 4 | #5 | 6'-6" | — |
| h6(E) | 2 | #5 | 7'-2" | — |
| h7(E) | 2 | #5 | 7'-1" | — |
| h8(E) | 2 | #4 | 9'-9" | — |
| h9(E) | 2 | #4 | 16'-4" | — |
| p(E) | 10 | #8 | 9'-9" | — |
| p1(E) | 10 | #8 | 16'-4" | — |
| s2(E) | 27 | #6 | 15'-5" | □ |
| u(E) | 8 | #6 | 12'-5" | — |
| u1(E) | 28 | #4 | 2'-8" | ▭ |
| v1(E) | 4 | #5 | 7'-11" | — |
| v2(E) | 7 | #5 | 12'-3" | — |
| v3(E) | 4 | #5 | 7'-8" | — |
| v4(E) | 6 | #5 | 12'-0" | — |
| Structure Excavation | | Cu. Yd. | 165 | |
| Concrete Structures | | Cu. Yd. | 19.1 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 2,730 | |
| Furnishing Steel Piles HP10X42 | | Foot | 208 | |
| Driving Piles | | Foot | 208 | |
| Test Pile Steel HP10X42 | | Each | 1 | |
| Pile Shoes | | Each | 5 | |

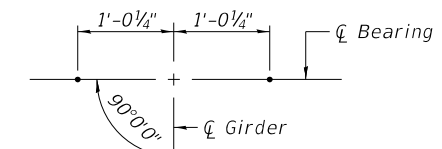
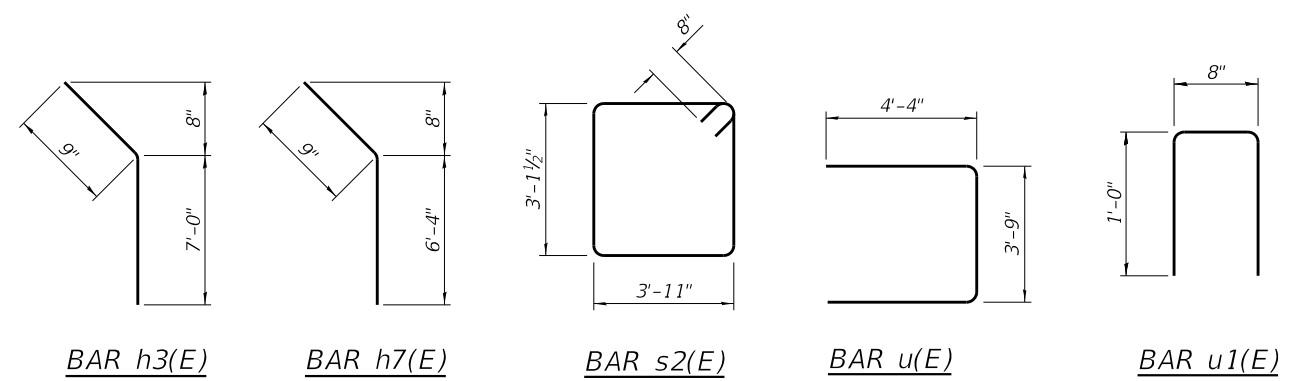


PLAN



FIELD CUTTING DIAGRAM

Order h2(E), h6(E), v2(E) and v4(E) bars full length. Cut as shown and use remainder of bars in opposite face.



ANCHOR BOLT LAYOUT ⑤

PILE DATA

Type: Steel HP10x42 with Pile Shoes
 Nominal Required Bearing: 335 kips
 Allowable Resistance Available: 112 kips
 Est. Length: 68'
 No. Production Piles: 4
 No. Test Piles: 1

- Notes:
- See Field Cutting Diagram
 - Pour steps monolithically with cap.
 - For details of piles, see sheet 22 of 37.
 - Epoxy grout d5(E) bars according to Section 584 of the Standard Specifications. Minimum embedment is 4'-7". Embedment depth may be reduced according to the epoxy manufacturer, if the contractor provides to the Engineer in writing that shallower embedment depth is capable of developing the full yield strength of the reinforcement at the surface of the existing concrete.
 - Space reinforcement in cap to miss anchor bolts.

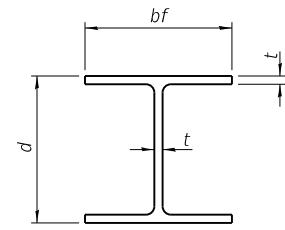
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| PLOT DATE = 11/11/2021 | CHECKED - KBC | REVISED - |

ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

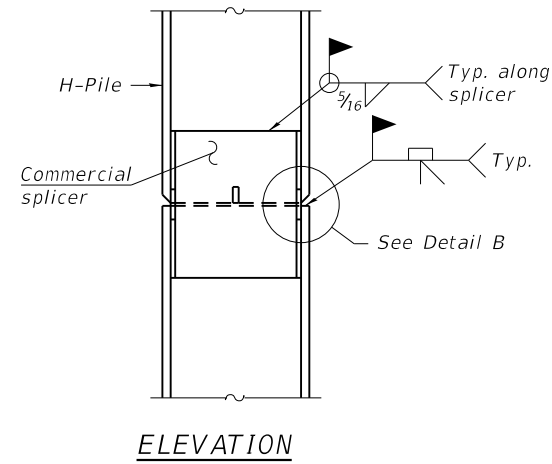
**EAST ABUTMENT DETAILS
 STRUCTURE NO. 082-3095**

| | | | | |
|--------------------|----------------|-----------|---------------------------|-----------|
| FA.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 141 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

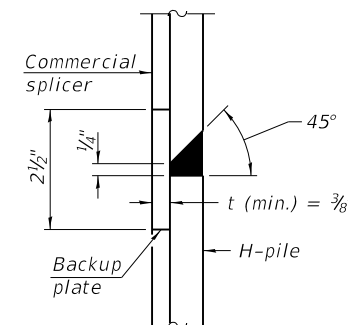


STEEL PILE TABLE

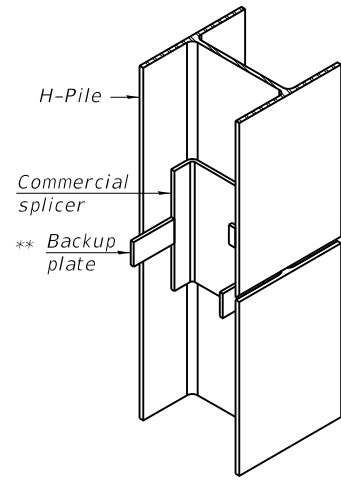
| Designation | Depth d | Flange width bf | Web and Flange thickness t | Encasement diameter A |
|-------------|---------|-----------------|----------------------------|-----------------------|
| HP 14x117 | 14 1/4" | 14 7/8" | 1 3/16" | 30" |
| x102 | 14" | 14 3/4" | 1 1/16" | 30" |
| x89 | 13 7/8" | 14 3/4" | 5/8" | 30" |
| x73 | 13 3/8" | 14 3/8" | 1/2" | 30" |
| HP 12x84 | 12 1/4" | 12 1/4" | 1 1/16" | 24" |
| x74 | 12 1/8" | 12 1/4" | 5/8" | 24" |
| x63 | 12" | 12 1/8" | 1/2" | 24" |
| x53 | 11 3/4" | 12" | 7/16" | 24" |
| HP 10x57 | 10" | 10 1/4" | 9/16" | 24" |
| x42 | 9 3/4" | 10 1/8" | 7/16" | 24" |
| HP 8x36 | 8" | 8 1/8" | 7/16" | 18" |



ELEVATION

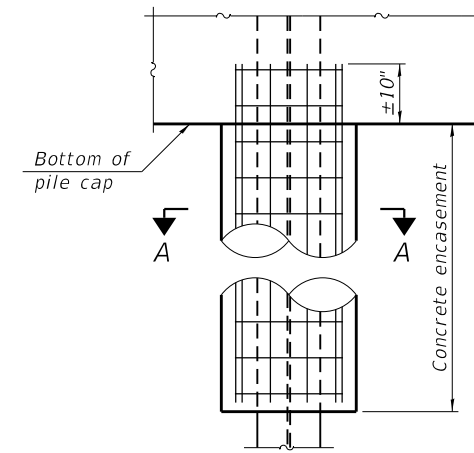


DETAIL "B"

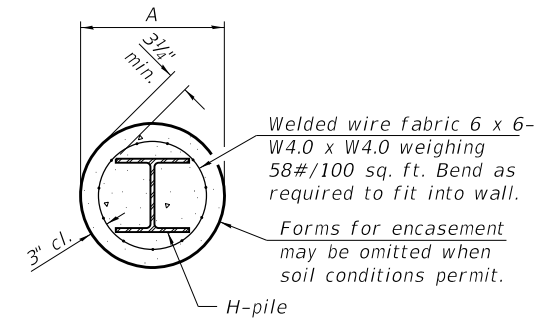


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

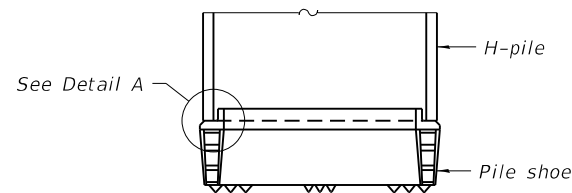


ELEVATION

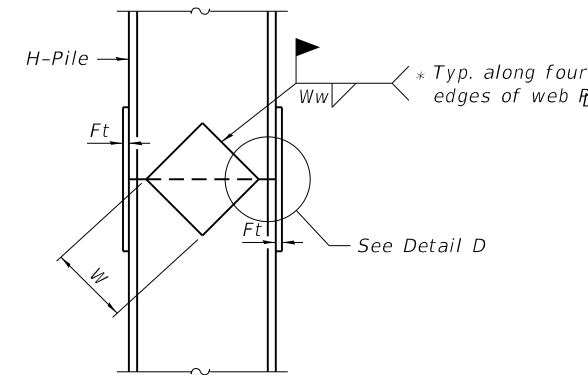


SECTION A-A

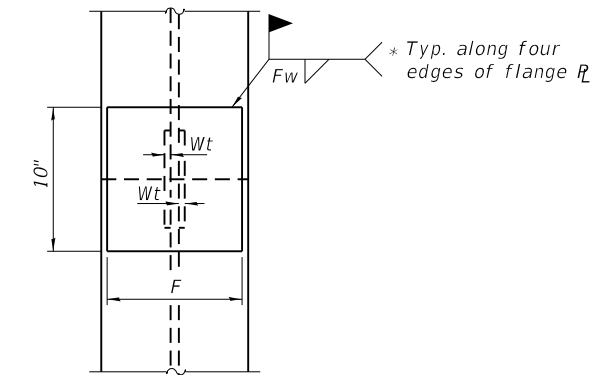
INDIVIDUAL PILE CONCRETE ENCASUREMENT
(when specified)



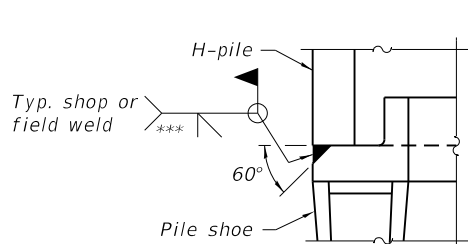
ELEVATION



ELEVATION

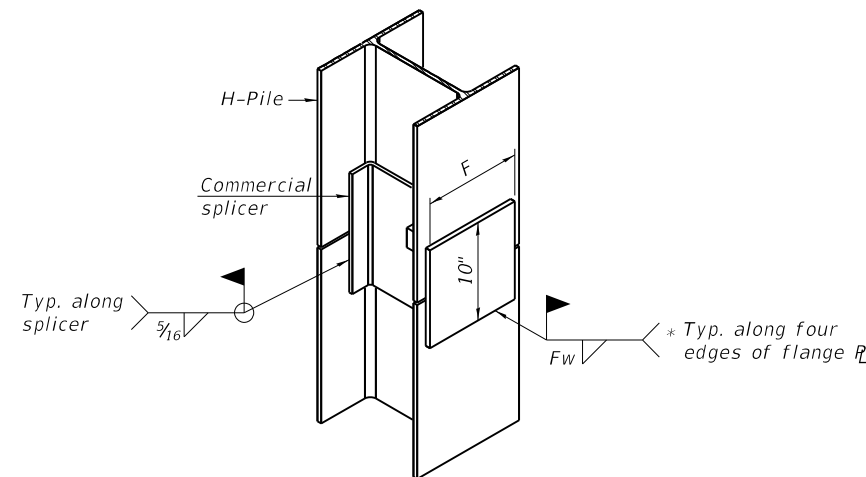


END VIEW



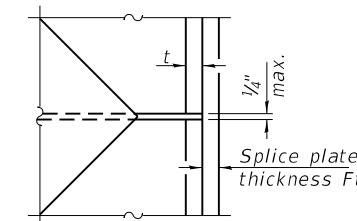
DETAIL A

SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE



DETAIL D

WELDED PLATE FIELD SPLICE

| Designation | F | Ft | Fw | W | Wt | Ww |
|-------------|---------|------|---------|--------|------|------|
| HP 14x117 | 12 1/2" | 1" | 7/8" | 7 3/4" | 5/8" | 1/2" |
| x102 | 12 1/2" | 7/8" | 3/4" | 7 3/4" | 5/8" | 1/2" |
| x89 | 12 1/2" | 3/4" | 1 1/16" | 7 3/4" | 5/8" | 1/2" |
| x73 | 12 1/2" | 5/8" | 9/16" | 7 3/4" | 5/8" | 1/2" |
| HP 12x84 | 10" | 7/8" | 1 1/16" | 6 1/2" | 5/8" | 1/2" |
| x74 | 10" | 7/8" | 1 1/16" | 6 1/2" | 5/8" | 1/2" |
| x63 | 10" | 5/8" | 1/2" | 6 1/2" | 1/2" | 3/8" |
| x53 | 10" | 5/8" | 1/2" | 6 1/2" | 1/2" | 3/8" |
| HP 10x57 | 8" | 3/4" | 9/16" | 5 1/4" | 1/2" | 3/8" |
| x42 | 8" | 5/8" | 9/16" | 5 1/4" | 1/2" | 3/8" |
| HP 8x36 | 7" | 5/8" | 7/16" | 4 1/4" | 1/2" | 3/8" |

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

* Interrupt welds 1/4" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).

F-HP 1-1-2020



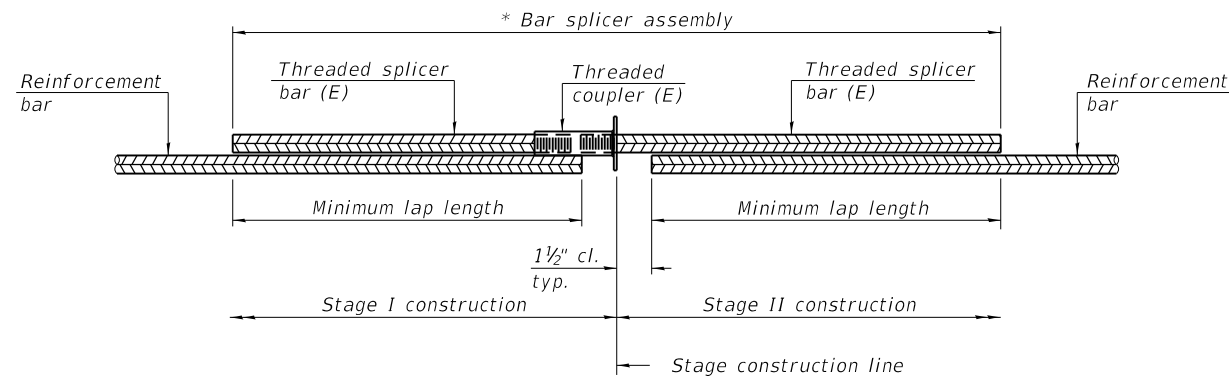
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| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |



HP PILE DETAILS
STRUCTURE NO. 082-3095

| | | | | |
|--------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 142 |
| CONTRACT NO. 97752 | | | | |

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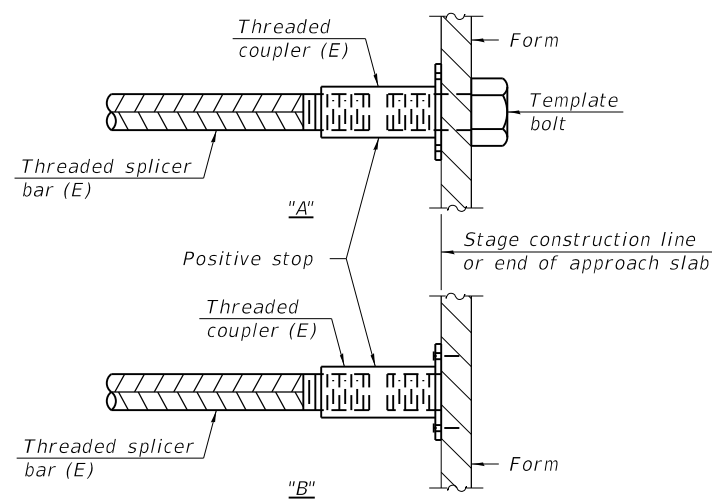


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Minimum lap length |
|-------------------------------|----------|-------------------------|--------------------|
| Top & Bottom Approach Footing | #5 | 80 | 2'-7" |
| Bottom Approach Slab | #8 | 120 | 5'-1" |
| Top Approach Slab | #5 | 92 | 2'-11" |
| Top & Bottom Slab | #5 | 286 | 2'-7" |

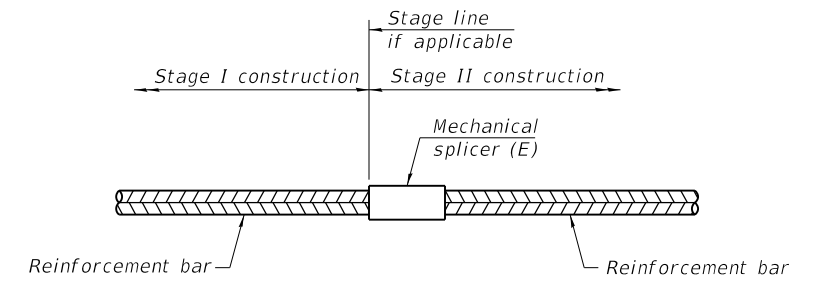


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|-----------|----------|-------------------------|
| Diaphragm | #6 | 26 |

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-1-2020

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-023-Bar_Splicer Assembly and Mechanical Splicer Details.dgn

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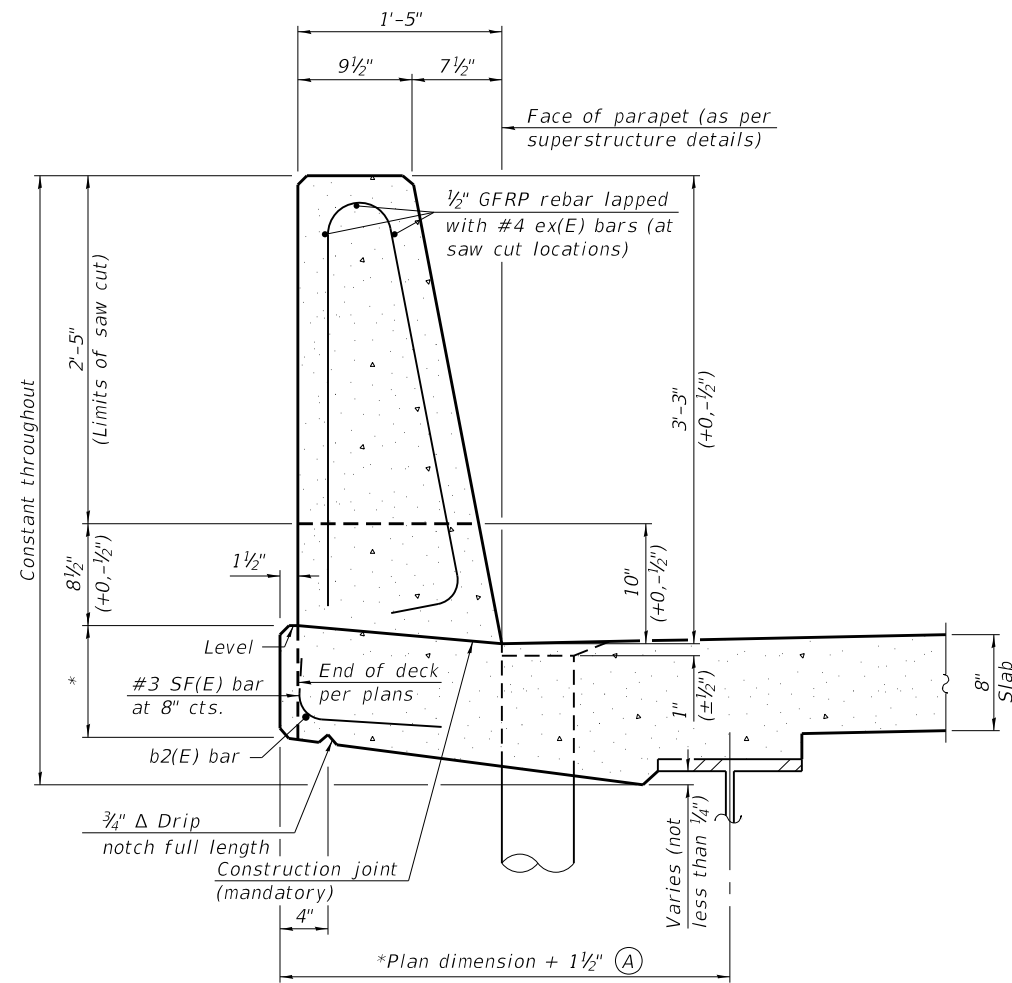


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 082-3095

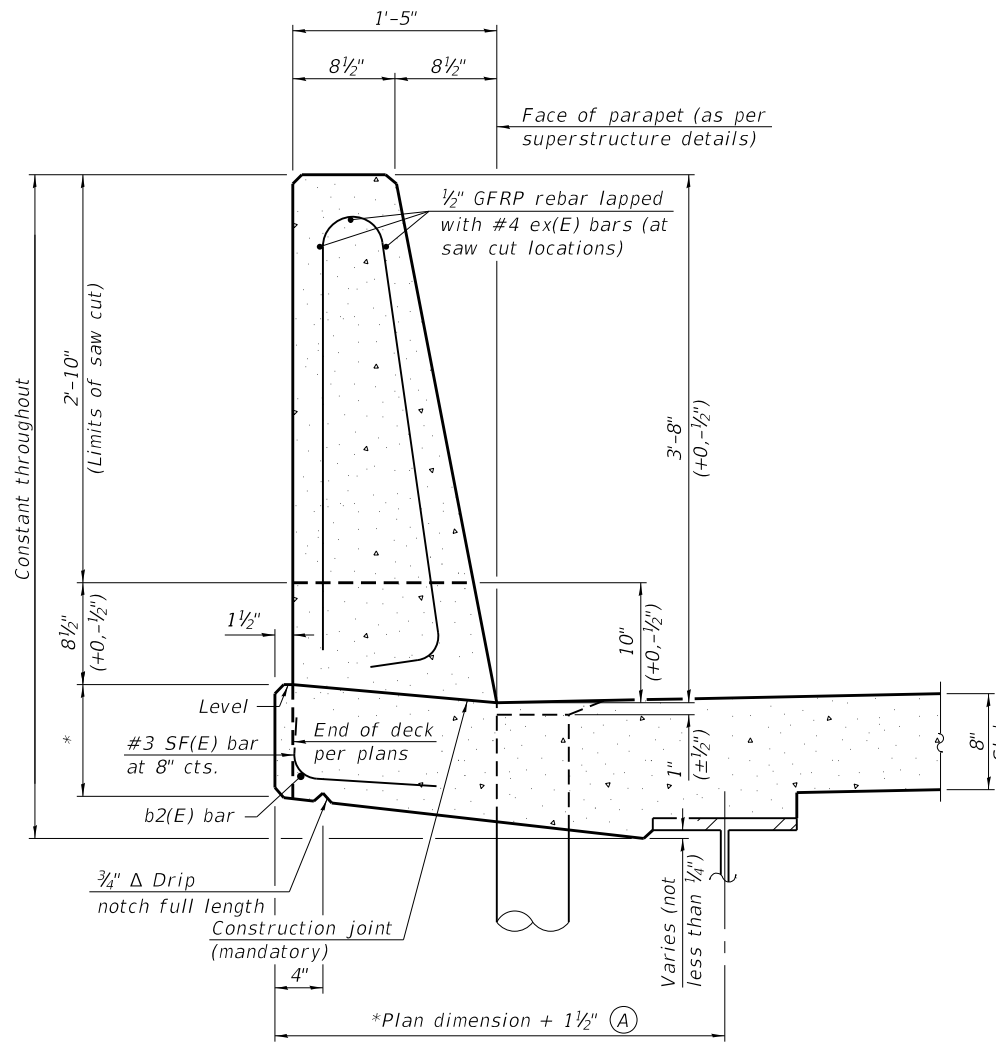
SHEET 23 OF 37 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 143 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



**39" CONSTANT-SLOPE
PARAPET SECTION**

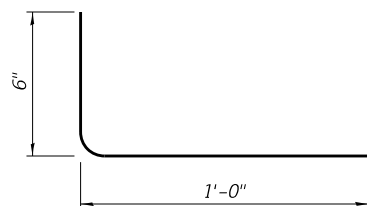
(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)



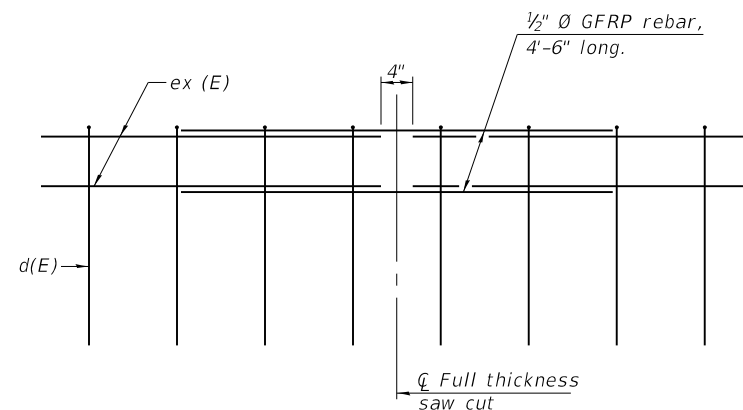
**44" CONSTANT-SLOPE
PARAPET SECTION**

(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)

*See Superstructure Details.



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

Notes:
All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.
Place full depth aluminum sheets as shown on superstructure details.
Replace all cork joint filler locations with a full thickness saw cut.
Steel superstructure shown. Other superstructure types similar.

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-024-Concrete Parapet_Slipforming Option.dgn

SFP 39-44

1-1-2020



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|------------------------|------------|-----------|
| USER NAME = | DESIGNED - | REVISED - |
| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

**CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 082-3095**

SHEET 24 OF 37 SHEETS

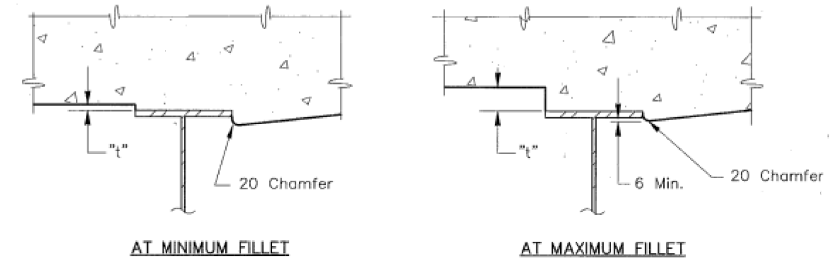
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 144 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | | | |
|----------------|----------------|-----------|-----------------|-------------|
| SECTION | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | Sheet No. 2 |
| 95-00301-02-PV | 95 | ST. CLAIR | 53 OF 11 | 11 Sheets |

| GIRDER 1 | | | | | GIRDER 2 | | | | | GIRDER 3 | | | | |
|------------------|----------|--------|---------|---------|-------------------|----------|--------|---------|---------|-------------------|----------|--------|---------|---------|
| Location | Station | Offset | * | ** | Location | Station | Offset | * | ** | Location | Station | Offset | * | ** |
| Bk.W.Abut. | 1+743.33 | -6.15 | 162.094 | 162.094 | Bk.W.Abut. | 1+743.33 | -3.69 | 162.143 | 162.143 | Bk.W.Abut. | 1+743.33 | -1.23 | 162.181 | 162.181 |
| CL.Brg. W. Abut. | 1+743.90 | -6.15 | 162.091 | 162.091 | CL. Brg. W. Abut. | 1+743.90 | -3.69 | 162.140 | 162.140 | CL. Brg. W. Abut. | 1+743.90 | -1.23 | 162.177 | 162.177 |
| A | 1+746.90 | -6.15 | 162.073 | 162.104 | A | 1+746.90 | -3.69 | 162.122 | 162.154 | A | 1+746.90 | -1.23 | 162.160 | 162.192 |
| B | 1+749.90 | -6.15 | 162.055 | 162.112 | B | 1+749.90 | -3.69 | 162.105 | 162.165 | B | 1+749.90 | -1.23 | 162.142 | 162.202 |
| C | 1+752.90 | -6.15 | 162.038 | 162.114 | C | 1+752.90 | -3.69 | 162.087 | 162.167 | C | 1+752.90 | -1.23 | 162.124 | 162.204 |
| D | 1+755.90 | -6.15 | 162.020 | 162.108 | D | 1+755.90 | -3.69 | 162.069 | 162.161 | D | 1+755.90 | -1.23 | 162.107 | 162.199 |
| E | 1+758.90 | -6.15 | 162.002 | 162.093 | E | 1+758.90 | -3.69 | 162.051 | 162.146 | E | 1+758.90 | -1.23 | 162.089 | 162.184 |
| F | 1+761.90 | -6.15 | 161.985 | 162.067 | F | 1+761.90 | -3.69 | 162.034 | 162.120 | F | 1+761.90 | -1.23 | 162.071 | 162.157 |
| G | 1+764.90 | -6.15 | 161.967 | 162.033 | G | 1+764.90 | -3.69 | 162.016 | 162.085 | G | 1+764.90 | -1.23 | 162.053 | 162.122 |
| H | 1+767.90 | -6.15 | 161.949 | 161.990 | H | 1+767.90 | -3.69 | 161.998 | 162.041 | H | 1+767.90 | -1.23 | 162.036 | 162.079 |
| CL.Brg. E. Abut. | 1+772.10 | -6.15 | 161.924 | 161.924 | CL. Brg. E. Abut. | 1+772.10 | -3.69 | 161.974 | 161.974 | CL. Brg. E. Abut. | 1+772.10 | -1.23 | 162.011 | 162.011 |
| Bk.E.Abut. | 1+772.67 | -6.15 | 161.921 | 161.921 | Bk.E.Abut. | 1+772.67 | -3.69 | 161.970 | 161.970 | Bk.E.Abut. | 1+772.67 | -1.23 | 162.008 | 162.008 |

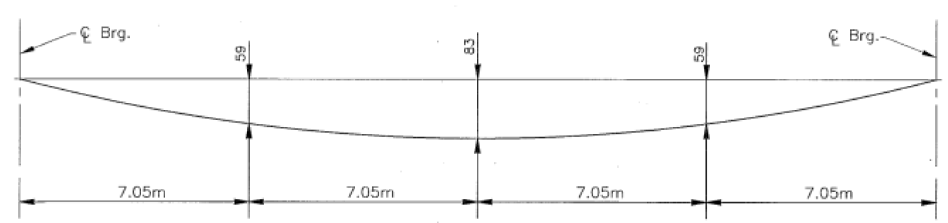
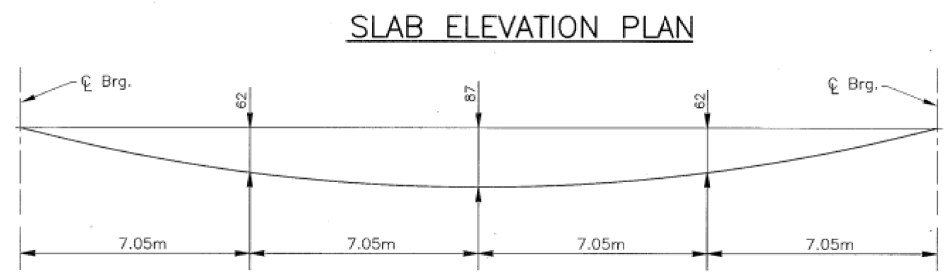
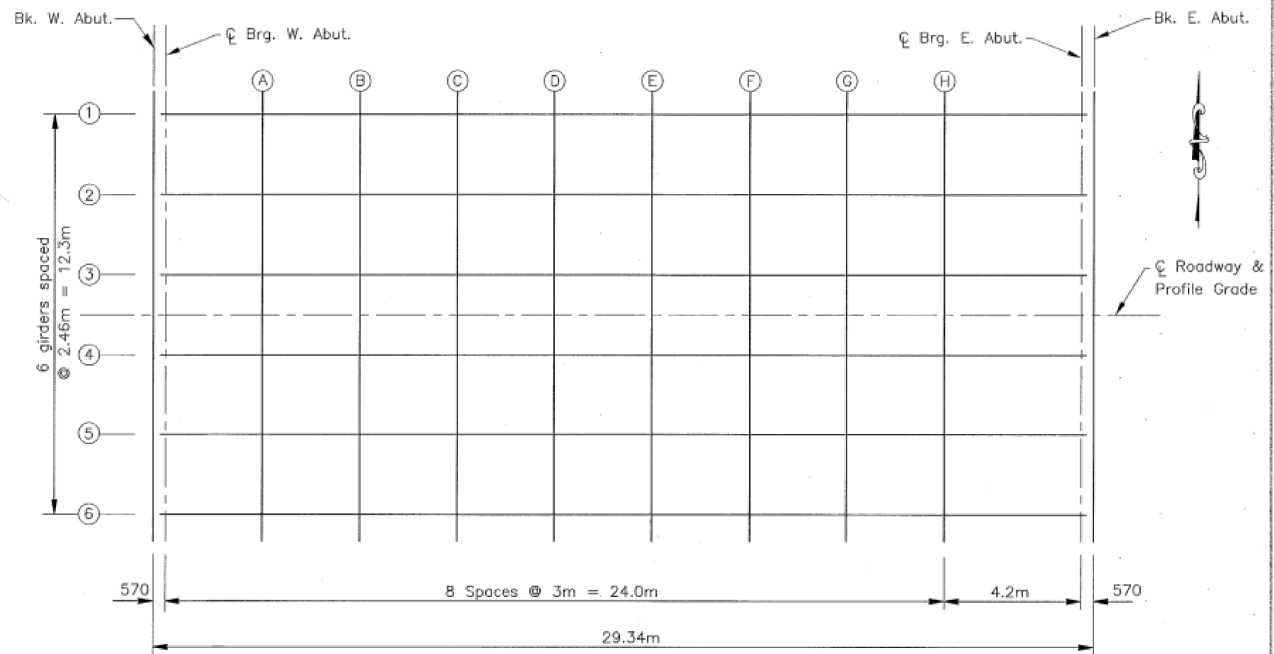
| GIRDER 4 | | | | | GIRDER 5 | | | | | GIRDER 6 | | | | |
|-------------------|----------|--------|---------|---------|-------------------|----------|--------|---------|---------|-------------------|----------|--------|---------|---------|
| Location | Station | Offset | * | ** | Location | Station | Offset | * | ** | Location | Station | Offset | * | ** |
| Bk.W.Abut. | 1+743.33 | 1.23 | 162.181 | 162.181 | Bk.W.Abut. | 1+743.33 | 3.69 | 162.143 | 162.143 | Bk.W.Abut. | 1+743.33 | 6.15 | 162.094 | 162.094 |
| CL. Brg. W. Abut. | 1+743.90 | 1.23 | 162.177 | 162.177 | CL. Brg. W. Abut. | 1+743.90 | 3.69 | 162.140 | 162.140 | CL. Brg. W. Abut. | 1+743.90 | 6.15 | 162.091 | 162.091 |
| A | 1+746.90 | 1.23 | 162.160 | 162.192 | A | 1+746.90 | 3.69 | 162.122 | 162.154 | A | 1+746.90 | 6.15 | 162.073 | 162.104 |
| B | 1+749.90 | 1.23 | 162.142 | 162.202 | B | 1+749.90 | 3.69 | 162.105 | 162.165 | B | 1+749.90 | 6.15 | 162.055 | 162.112 |
| C | 1+752.90 | 1.23 | 162.124 | 162.204 | C | 1+752.90 | 3.69 | 162.087 | 162.167 | C | 1+752.90 | 6.15 | 162.038 | 162.114 |
| D | 1+755.90 | 1.23 | 162.107 | 162.199 | D | 1+755.90 | 3.69 | 162.069 | 162.161 | D | 1+755.90 | 6.15 | 162.020 | 162.108 |
| E | 1+758.90 | 1.23 | 162.089 | 162.184 | E | 1+758.90 | 3.69 | 162.051 | 162.146 | E | 1+758.90 | 6.15 | 162.002 | 162.093 |
| F | 1+761.90 | 1.23 | 162.071 | 162.157 | F | 1+761.90 | 3.69 | 162.034 | 162.120 | F | 1+761.90 | 6.15 | 161.985 | 162.067 |
| G | 1+764.90 | 1.23 | 162.053 | 162.122 | G | 1+764.90 | 3.69 | 162.016 | 162.085 | G | 1+764.90 | 6.15 | 161.967 | 162.033 |
| H | 1+767.90 | 1.23 | 162.036 | 162.079 | H | 1+767.90 | 3.69 | 161.998 | 162.041 | H | 1+767.90 | 6.15 | 161.949 | 161.990 |
| CL. Brg. E. Abut. | 1+772.10 | 1.23 | 162.011 | 162.011 | CL. Brg. E. Abut. | 1+772.10 | 3.69 | 161.974 | 161.974 | CL. Brg. E. Abut. | 1+772.10 | 6.15 | 161.924 | 161.924 |
| Bk.E.Abut. | 1+772.67 | 1.23 | 162.008 | 162.008 | Bk.E.Abut. | 1+772.67 | 3.69 | 161.970 | 161.970 | Bk.E.Abut. | 1+772.67 | 6.15 | 161.921 | 161.921 |

| Profile Grade | | | | |
|---------------|----------|--------|---------|---------|
| Location | Station | Offset | * | ** |
| Bk.W.Abut. | 1+743.33 | 0 | 162.199 | 162.199 |
| W. Abut. | 1+743.90 | 0 | 162.196 | 162.196 |
| A | 1+746.90 | 0 | 162.178 | 162.210 |
| B | 1+749.90 | 0 | 162.160 | 162.220 |
| C | 1+752.90 | 0 | 162.143 | 162.223 |
| D | 1+755.90 | 0 | 162.125 | 162.217 |
| E | 1+758.90 | 0 | 162.107 | 162.202 |
| F | 1+761.90 | 0 | 162.090 | 162.176 |
| G | 1+764.90 | 0 | 162.072 | 162.141 |
| H | 1+767.90 | 0 | 162.054 | 162.097 |
| E. Abut. | 1+772.10 | 0 | 162.029 | 162.029 |
| Bk.E.Abut. | 1+772.67 | 0 | 162.026 | 162.026 |



- * Theoretical Grade Elevations
- ** Theoretical Grade Elevations (adjusted for dead load deflections)

- NOTES
- The elevations shown in the tables are at the top of slab.
 - The dead load deflections from the diagrams are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown in the tables.



| | | | | |
|--|--|--|--|---|
| | THOUVENOT, WADE & MOERCHEN, INC. | | DRAWN BY: <i>NSR</i> CHECKED BY: <i>MM</i> APPROVED BY: <i>NSR</i> | COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK |
| | CORPORATE OFFICE 4940 OLD COLLINSVILLE RD. SWANSEA, ILLINOIS 62226 (618) 624-4488 FAX (618) 624-6688 | | REGIONAL OFFICE 118 EAST THIRD STREET WATERLOO, ILLINOIS 62298 (618) 939-5050 FAX (618) 939-3938 | STRUCTURE NO. 95-00301-02-PV 082-3095 |
| | SCALE: NONE | | DATE: 04/01/97 JOB NO: 95183 | TOP OF SLAB ELEVATION |
| | SHEET NO. 2 OF 11 SHEETS | | | |

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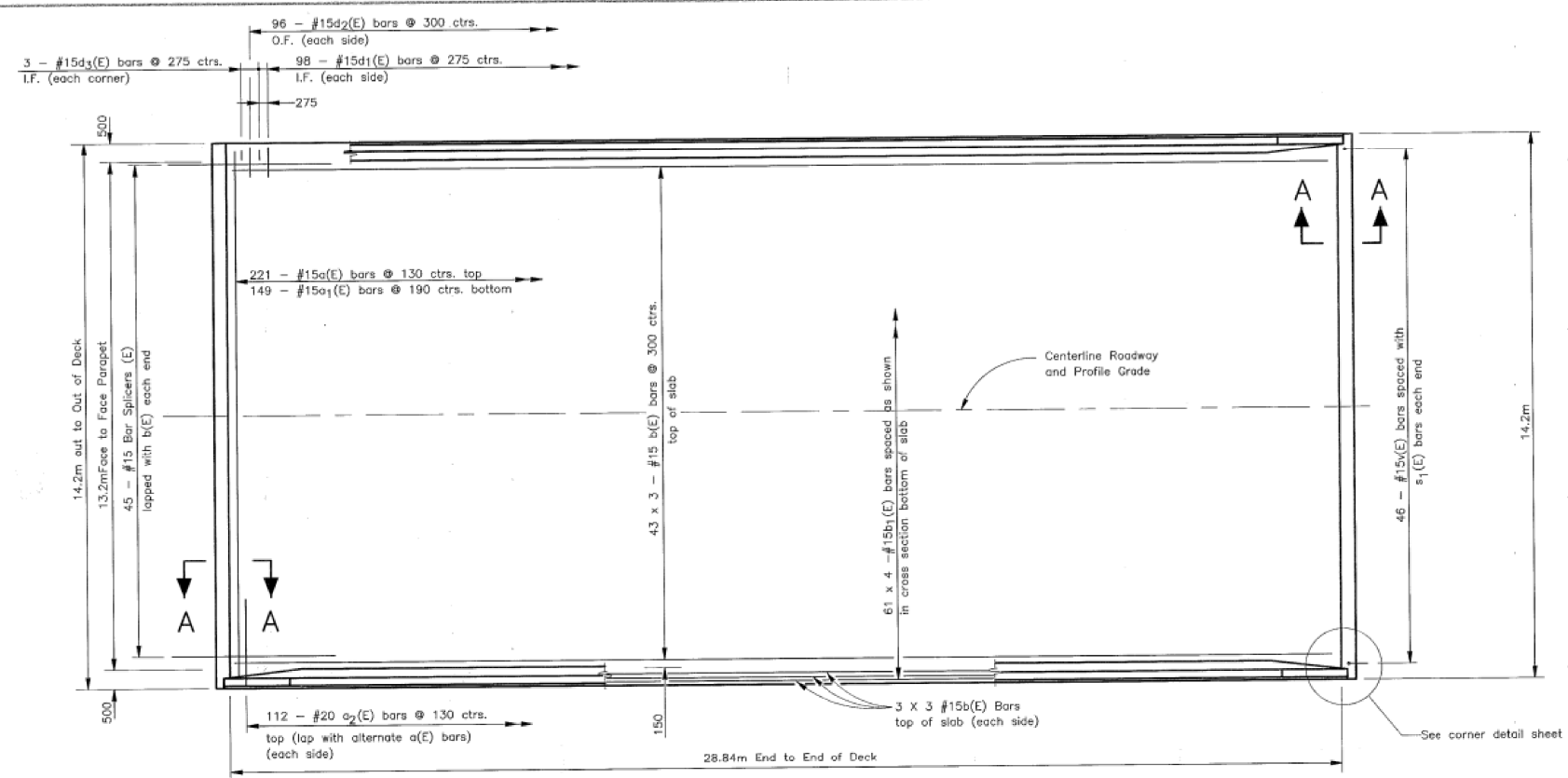
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| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |

**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

**EXISTING BRIDGE PLANS
FOR INFORMATION ONLY**
 SHEET 28 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 148 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

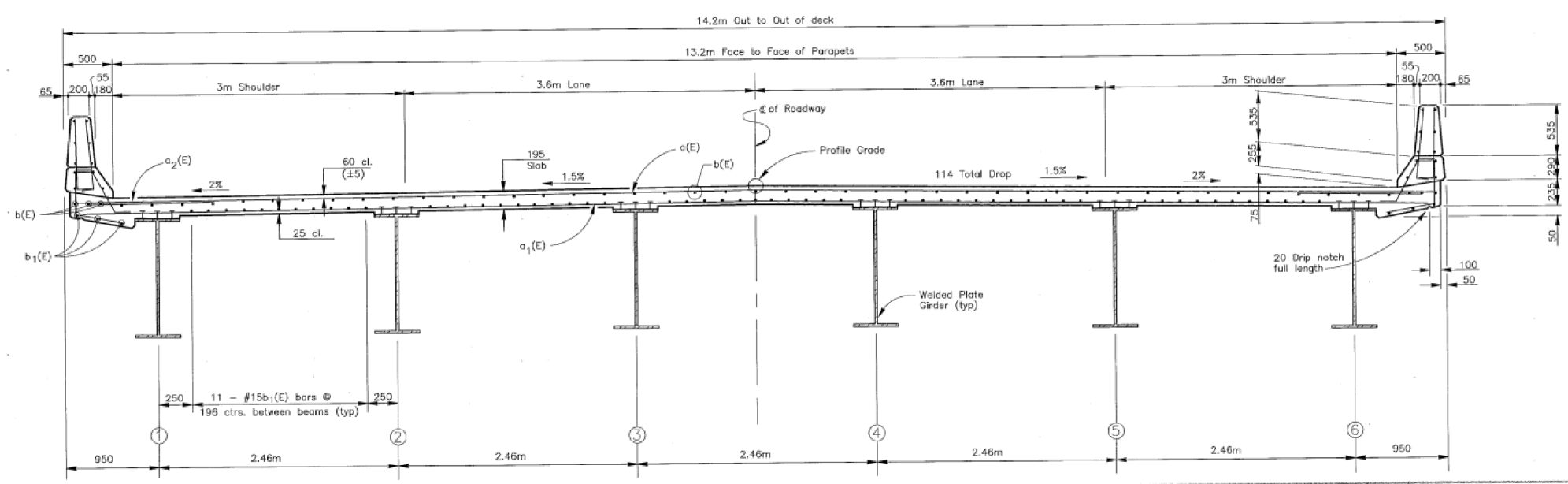
| SECTION | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | Sheet No. 3 |
|----------------|----------------|-----------|-----------------|-------------|
| 95-00301-02-PV | 95 | ST. CLAIR | 54 OF | 11 Sheets |



PLAN

REINFORCING BAR LAP SPLICES

| Bar Location | Bar Size | Splice Length |
|--------------|----------|---------------|
| Slab | #15 | 510 |



CROSS SECTION
(Looking up station)

- NOTES:
1. See Sheet #1 for floor drain locations.
 2. See sheet 4 for section A-A
 3. Bars indicated thus 43x3 - #15 etc. indicates 43 lines of bars with 3 lengths per line.

| | | | | |
|--|--|--|--|--|
| TWM | THOUVENOT, WADE & MOERCHEN, INC. | | DRAWN BY: KJR CHECKED BY: MM APPROVED BY: KJS | COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK SECTION: 95-00301-02-PV STRUCTURE NO. 082-3095 SLAB PLAN AND CROSS SECTION |
| | CORPORATE OFFICE 4940 OLD COLLINSVILLE RD. SWANSEA, ILLINOIS 62226 (618) 624-4488 FAX (618) 624-6688 | | REGIONAL OFFICE 118 EAST THIRD STREET WATERLOO, ILLINOIS 62298 (618) 939-5050 FAX (618) 939-3938 | |
| SCALE: NONE DATE: 04/01/97 JOB NO: 95183 | | | | |

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| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |



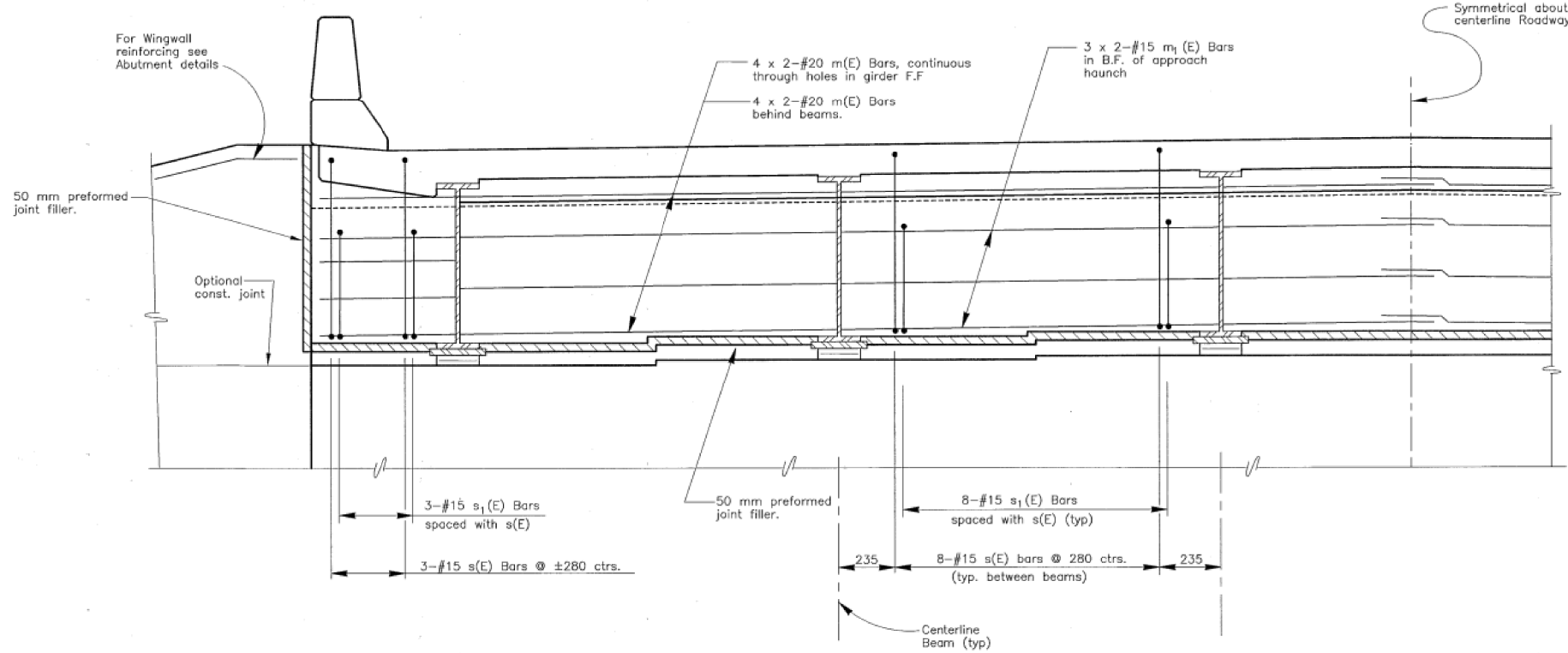
**EXISTING BRIDGE PLANS
FOR INFORMATION ONLY**

SHEET 29 OF 37 SHEETS

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|--------------|-----------|
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| CONTRACT NO. 97752 | | | | |

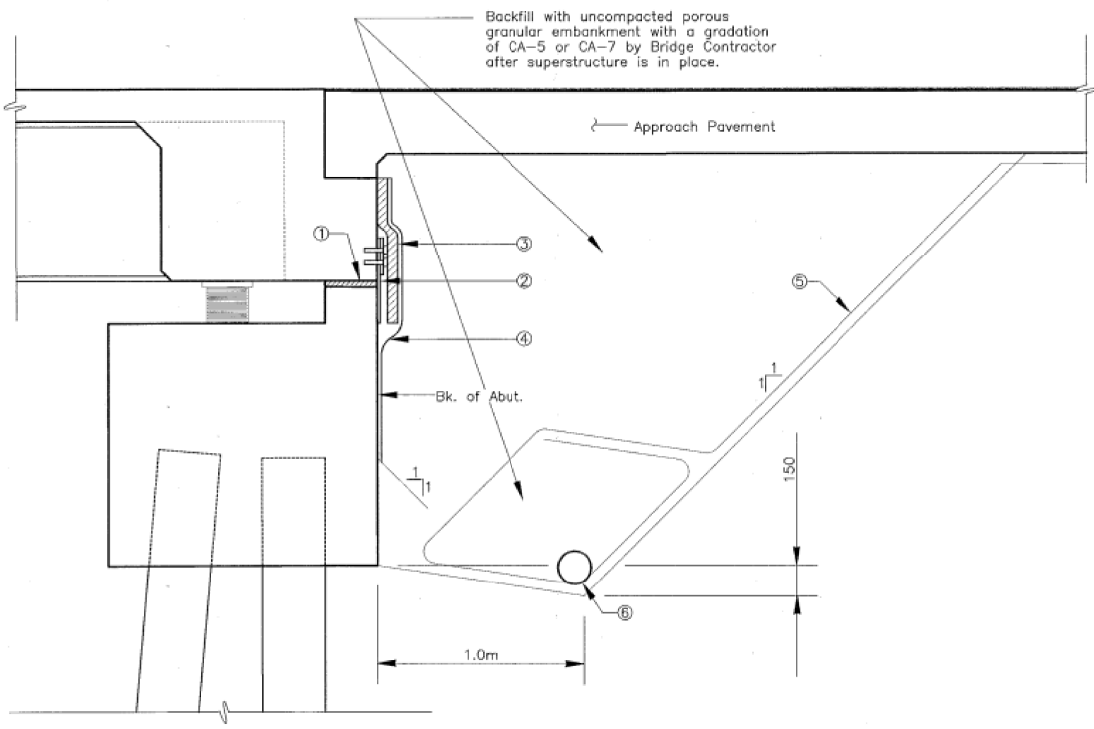
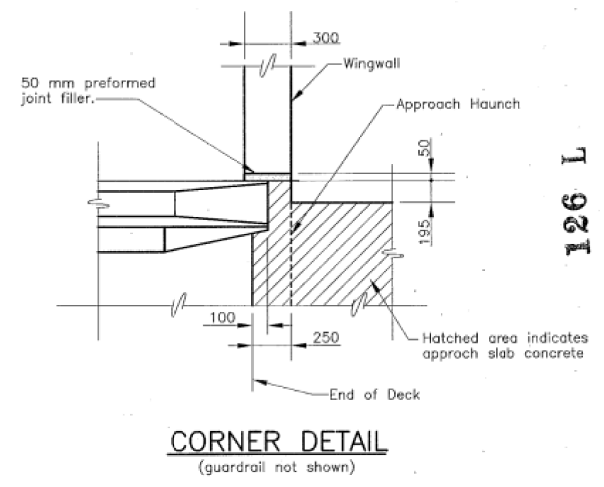
ILLINOIS FED. AID PROJECT

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|----------------|----------------|-----------|-----------------|-------------|
| SECTION | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | Sheet No. 4 |
| 95-00301-02-PV | 95 | ST. CLAIR | 55 OF | 11 Sheets |

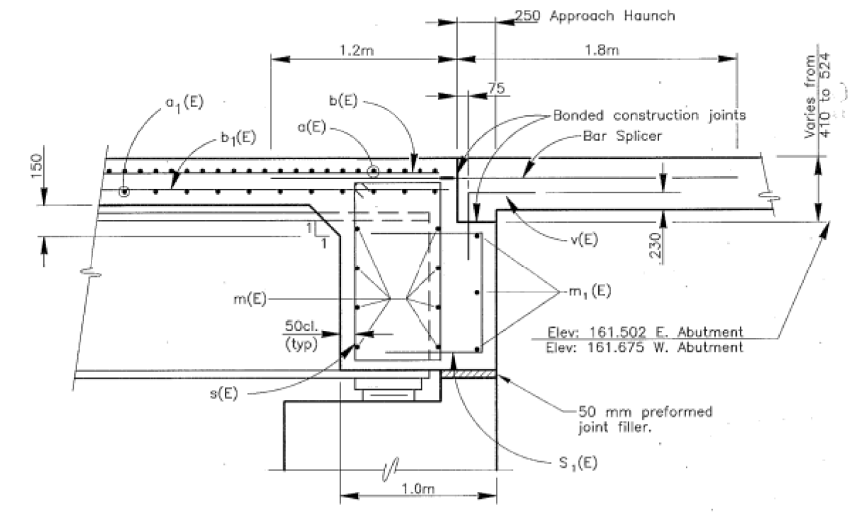


REINFORCING BAR LAP SPLICES

| Bar Location | Bar Size | Splice Length |
|--------------|----------|---------------|
| Diaphragm | #15 | 890 |
| Diaphragm | #20 | 1,110 |



- NOTES FOR BACKFILL DETAIL:
- 50 mm Preformed Joint Filler (Article 1051) bonded to abutment cap with approved adhesive (full width of cap)
 - 3 mm thick Reinforced Elastomeric Neoprene Mat with 10 mm x 130 mm x 14.2 m Hot rolled bars and 12 mm ϕ studs with nuts and washers at 300 mm centers (minimum embedment = 100 mm)
 - 50 mm Preformed Joint Filler (Article 1051) bonded to superstructure (full width of cap)
 - Geocomposite Wall Drain (full width of cap plus extended 1m minimum onto wingwalls)
 - Geotechnical fabric for French drains
 - A 160 mm ϕ perforated drain pipe shall be situated at the bottom of an approximate 600 x 600 area of porous granular embankment. The 600 x 600 area shall be wrapped completely in geotechnical fabric for french drains. Extend pipe parallel with the cap until intersecting with the slope.
 - Item 5 and excavation for porous granular embankment shall be included in the cost of porous granular embankment
 - Items 1, 2, 3 and 4 shall be included in the cost of concrete superstructure



SECTION A-A

NOTES:
Quantity of concrete in diaphragms to be included in "Concrete Superstructure".

| | | | |
|------------|--|--|---|
| TWM | THOUVENOT, WADE & MOERCHEN, INC. | | COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK |
| | CORPORATE OFFICE 4940 OLD COLLINSVILLE RD. SWANSEA, ILLINOIS 62226 (618) 624-4488 FAX (618) 624-6688 | REGIONAL OFFICE 118 EAST THIRD STREET WATERLOO, ILLINOIS 62298 (618) 939-5050 FAX (618) 939-3938 | SECTION: 95-00301-02-PV STRUCTURE NO. 082 - 3095 |
| | DRAWN BY: JFR CHECKED BY: MAM APPROVED BY: KPS | | DIAPHRAGM DETAILS |
| | SCALE: NONE DATE: 04/01/97 JOB NO: 95183 | | |

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| USER NAME = | DESIGNED - | REVISED - |
| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |

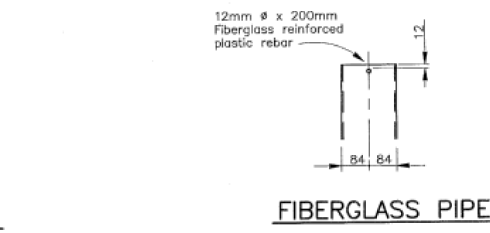
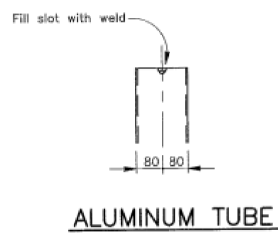
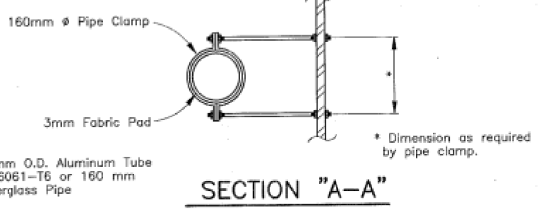
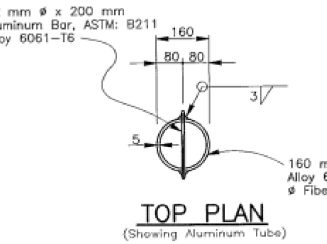
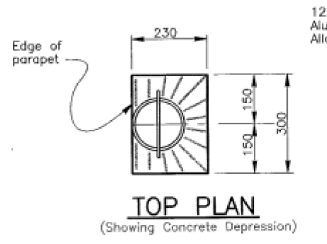
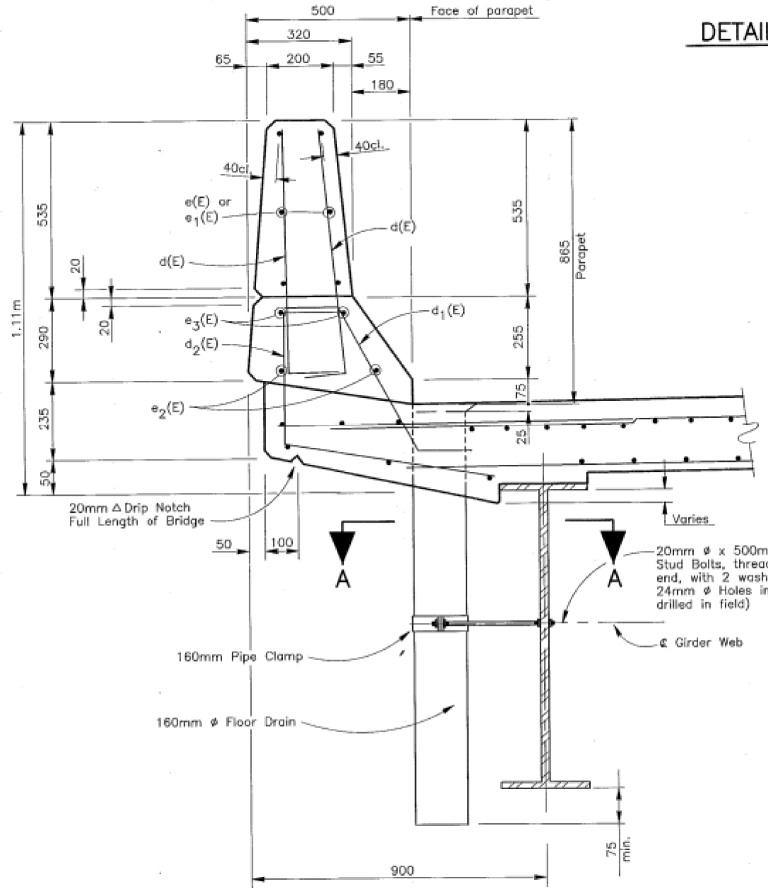
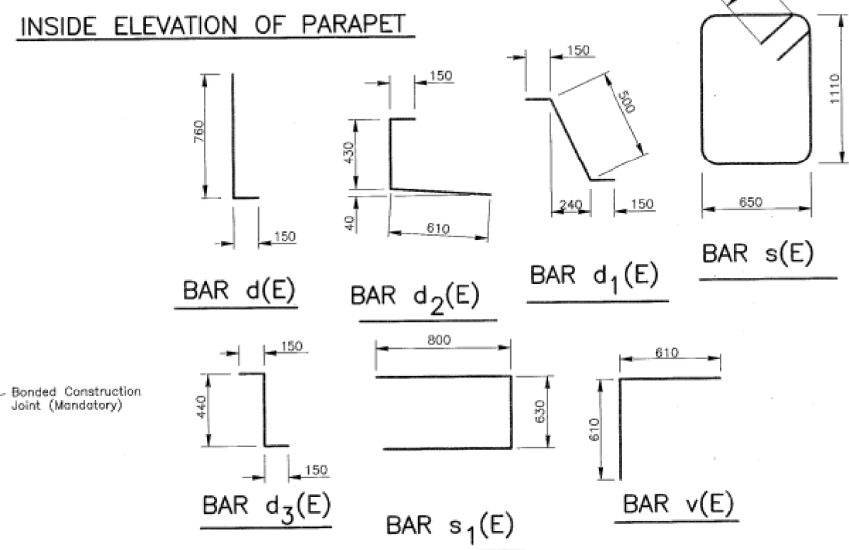
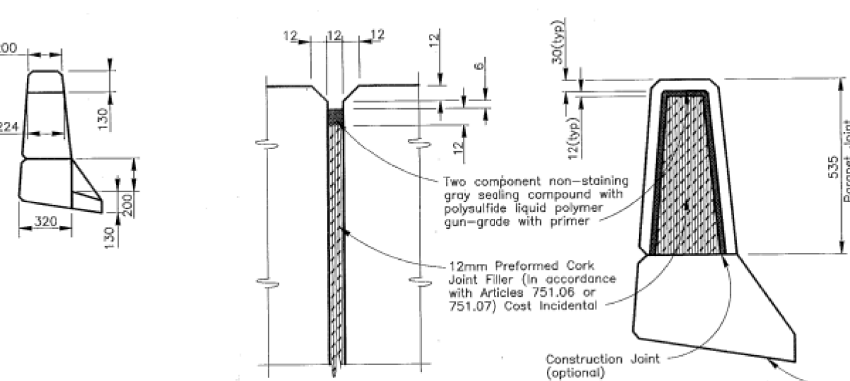
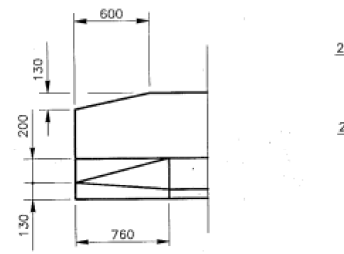
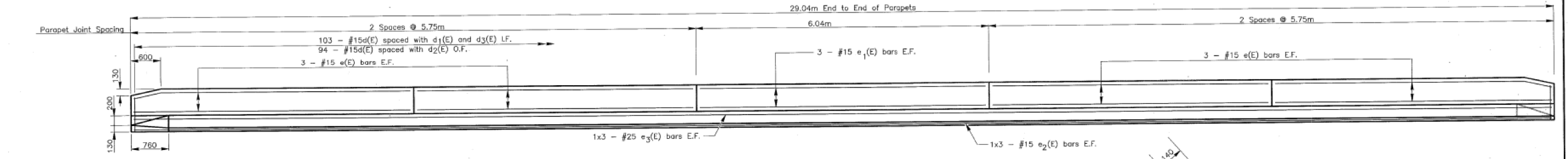


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

EXISTING BRIDGE PLANS FOR INFORMATION ONLY
SHEET 30 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 150 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | | | |
|----------------|----------------|-----------|-----------------|-------------|
| SECTION | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | Sheet No. 5 |
| 95-00301-02-PV | 95 | ST. CLAIR | 56 OF | 11 Sheets |



FLOOR DRAIN DETAILS

FLOOR DRAIN NOTES:
 The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting Metal Structures. The exterior surfaces of the drain shall be cleaned and given a washcoat pretreatment in accordance with Steel Structures Painting Council's Spec. SSPC-SP1 and SSPC Paint 27, prior to painting.
 Fiberglass pipe shall conform to ASTM D2996, with short time rupture strength hoop tensile stress of 200 MPa minimum. The surface of the fiberglass pipe shall be free of bond inhibiting agents.

SUPERSTRUCTURE BILL OF MATERIALS

| BAR | NO. | SIZE | LENGTH(m) | SHAPE |
|--------------------|-----|-------|-----------|-------|
| a(E) | 221 | #15 | 13.90 | |
| a1(E) | 149 | #15 | 13.75 | |
| a2(E) | 224 | #20 | 1.2 | |
| b(E) | 147 | #15 | 13.90 | |
| b1(E) | 244 | #15 | 7.69 | |
| d(E) | 400 | #15 | 0.91 | |
| d1(E) | 196 | #15 | 0.80 | |
| d2(E) | 192 | #15 | 1.19 | |
| d3(E) | 12 | #15 | 0.74 | |
| e(E) | 48 | #15 | 5.65 | |
| e1(E) | 12 | #15 | 5.95 | |
| e2(E) | 12 | #15 | 10.04 | |
| e3(E) | 12 | #25 | 10.50 | |
| m(E) | 32 | #20 | 7.61 | |
| m1(E) | 12 | #15 | 7.50 | |
| s(E) | 92 | #15 | 3.8 | |
| s1(E) | 92 | #15 | 2.23 | |
| v(E) | 92 | #15 | 1.22 | |
| Reinforcement Bars | | kg | 19000 | |
| Epoxy Coated | | | | |
| Concrete | | Cu. m | 125.4 | |
| Superstructure | | | | |

REINFORCING BAR LAP SPLICES

| Bar Location | Bar Size | Splice Length |
|--------------|----------|---------------|
| Parapet | #15 | 890 |
| Parapet | #25 | 1320 |

- NOTES:
 1 Reinforcement Bars designated (E) shall be epoxy coated.
 2 All edges shall have 20mm chamfer.

THOUVENOT, WADE & MOERCHEN, INC.

TWM

CORPORATE OFFICE
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 (618) 624-4488
 FAX (618) 624-6688

REGIONAL OFFICE
 118 EAST THIRD STREET
 WATERLOO, ILLINOIS 62298
 (618) 939-5050
 FAX (618) 939-3938

| | |
|------------------|--|
| DRAWN BY: RFR | COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK |
| CHECKED BY: MAM | SECTION: 95-00301-02-PV |
| APPROVED BY: RFR | STRUCTURE NO. 082-3095 |
| SCALE: NONE | BRIDGE PARAPET AND DRAINAGE DETAILS |
| DATE: 04/01/97 | |
| JOB NO: 95183 | |

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OATES ASSOCIATES
 ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

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| USER NAME = | DESIGNED - | REVISED - |
| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |

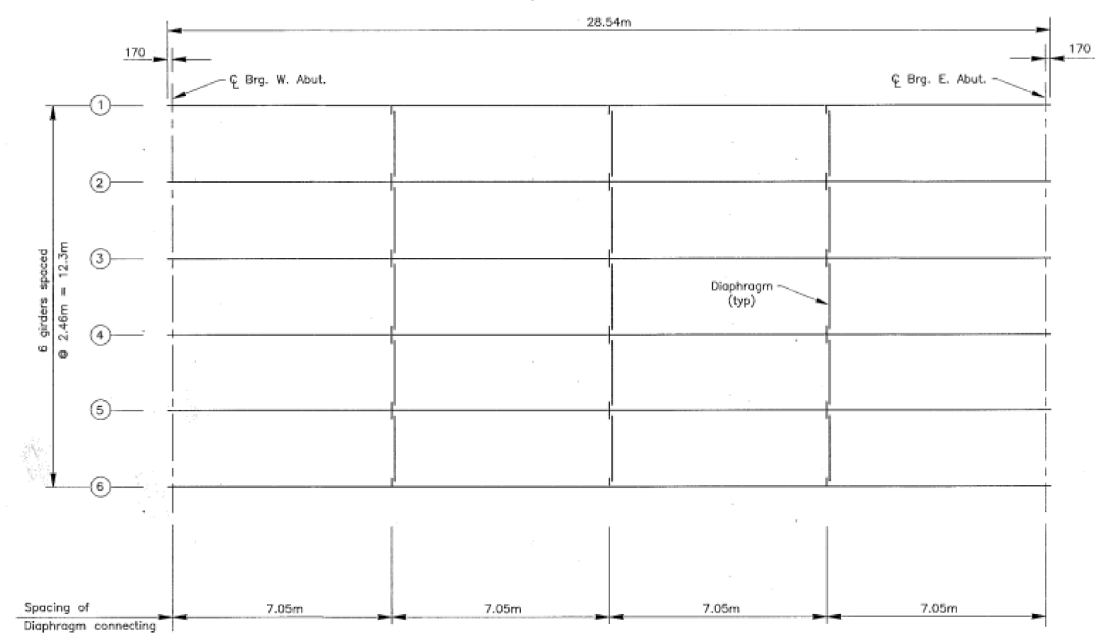
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

EXISTING BRIDGE PLANS FOR INFORMATION ONLY

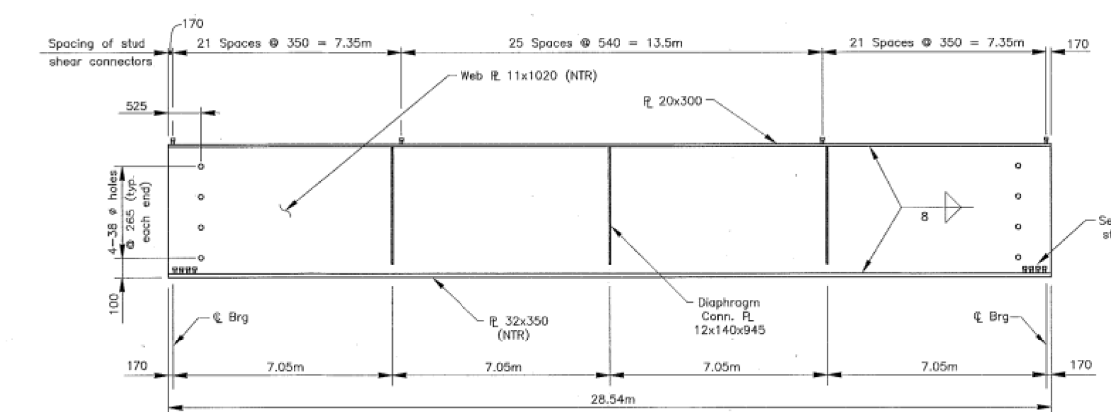
SHEET 31 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 151 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

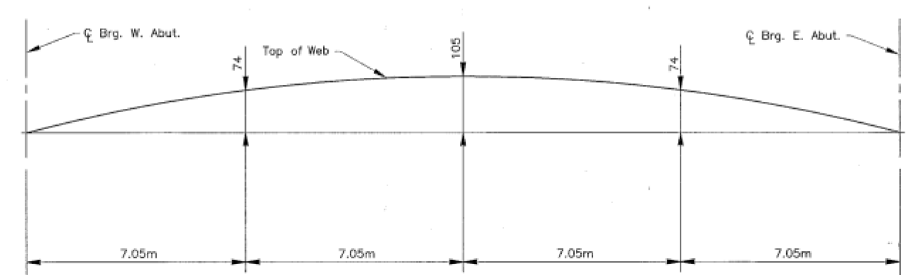
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|----------------|----------------|-----------|-----------------|-------------|
| SECTION | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | Sheet No. 6 |
| 95-00301-02-PV | 95 | ST. CLAIR | 57 OF | 11 Sheets |



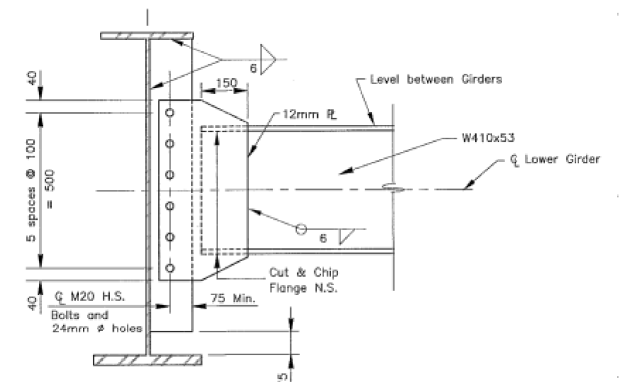
FRAMING PLAN



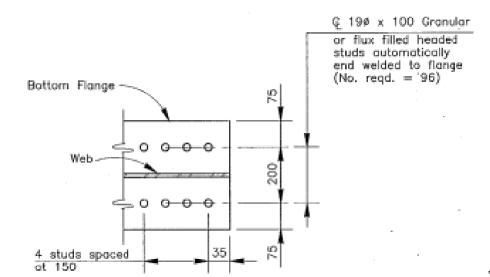
GIRDER ELEVATION



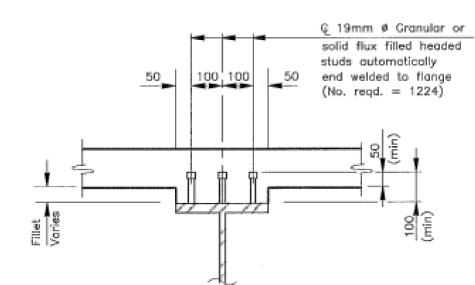
CAMBER DIAGRAM



DIAPHRAGM DETAILS
(Exterior girder shown, interior similar)



ANCHOR STUD DETAIL



STUD SHEAR CONNECTOR DETAIL

INTERIOR GIRDER
MOMENT TABLE

| AT .5 SP. | | |
|------------------------------|------------------------------------|-------|
| I _s | (10 ⁶ mm ⁴) | 5424 |
| I _e (n) | (10 ⁶ mm ⁴) | 15157 |
| I _c (3n) | (10 ⁶ mm ⁴) | 11048 |
| S _s | (10 ³ mm ³) | 12202 |
| S _c (n) | (10 ³ mm ³) | 16673 |
| S _c (3n) | (10 ³ mm ³) | 15456 |
| Q | (kN/m) | 13.77 |
| M _Q | (kN-m) | 1369 |
| S _Q | (kN/m) | 4.69 |
| M _{SQ} | (kN-m) | 466 |
| M _L | (kN-m) | 1380 |
| M (Imp) | (kN-m) | 316 |
| 5/3 [M _L +M(Imp)] | (kN-m) | 2627 |
| M _a | (kN-m) | 6061 |
| M _u | (kN-m) | 7060 |
| f _{sQ} (non-comp) | (M Pa) | 112 |
| f _{sQ} (comp) | (M Pa) | 30 |
| f _s 5/3 (L + Imp) | (M Pa) | 170 |
| f _s (Overload) | (M Pa) | 312 |
| VR | (kN) | 285 |

INTERIOR GIRDER
REACTION TABLE

| | | |
|----------------|------|-----|
| R _Q | (kN) | 424 |
| R _L | (kN) | 232 |
| Imp. | (kN) | 53 |
| R (Total) | (kN) | 709 |

①Includes 108kN from 44 kN/m approach slab reaction.

- NOTES
- All plate girder material shall be AASHTO M-270 Grade 345. Diaphragm material and diaphragm conn. R shall be AASHTO M-270 Grade 250.
 - "NTR" denotes plates to which notch toughness requirements are applicable.
 - Two hardened washers shall be required over all oversized holes.

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SWANSEA, ILLINOIS 62226
(618) 624-4488
FAX (618) 624-6688

REGIONAL OFFICE
118 EAST THIRD STREET
WATERLOO, ILLINOIS 62298
(618) 939-5050
FAX (618) 939-3938

DRAWN BY: JPR
CHECKED BY: MAM
APPROVED BY: KPE

SCALE: NONE

DATE: 04/01/97
JOB NO: 95183

**COUNTY HIGHWAY 95
OVER A TRIBUTARY
TO RICHLAND CREEK**

SECTION: 95-00301-02-PV
STRUCTURE NO. 082-3095

**FRAMING PLAN AND
GIRDER DETAIL**

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-032-Existing Plans.dgn

J183002.DWG 10-22-98 10:57:06 a.m. 1:200 SCALE

126 L

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| PLOT DATE = 11/11/2021 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |

ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

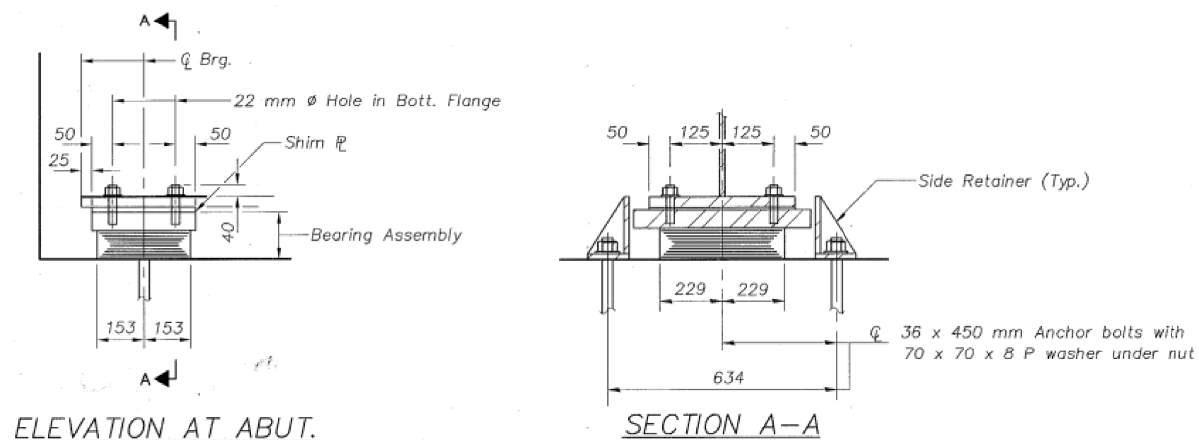
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY

SHEET 32 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 152 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

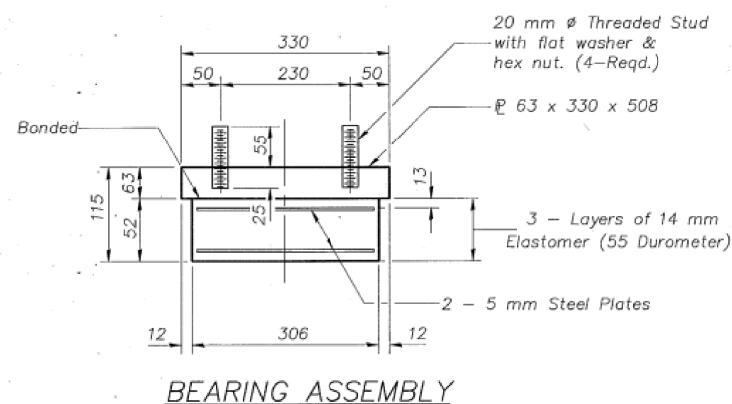
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| SECTION NO. | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | SHEET NO. 7 |
| 95-00301-02-PV | 95 | ST. CLAIR | 58 OF | 11 SHEETS |



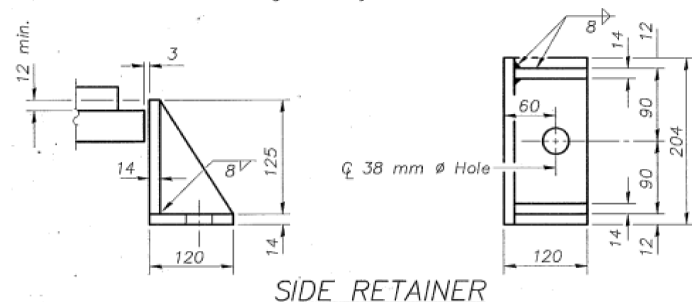
TYPE I ELASTOMERIC EXP. BRG.

Notes: See sheet # 10 for Anchor Bolt installation.

All dimensions are in millimeters (mm) except as noted.



Note: Shim plates shall not be placed under Bearing Assembly.



Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

BILL OF MATERIAL

| Item | Unit | Total |
|-------------------------------------|------|-------|
| Elastomeric Bearing Assembly Type I | Each | 12 |

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DRAWN BY: *NSP*

CHECKED BY: *MM*

APPROVED BY: *NSP*

SCALE: NONE

DATE: 06/20/99

JOB NO: 95183

COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK

SECTION: 95-00301-02-PV STRUCTURE NO. 082 - 3095

BEARING DETAILS

126 L

FILE NAME: H:\P\17032 - FSPE WIDENING PHASE 2\Bridges\Final Plans\Microstation\0823095-033-Existing Plans.dgn

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I-2-E1 (M) 4-30-97

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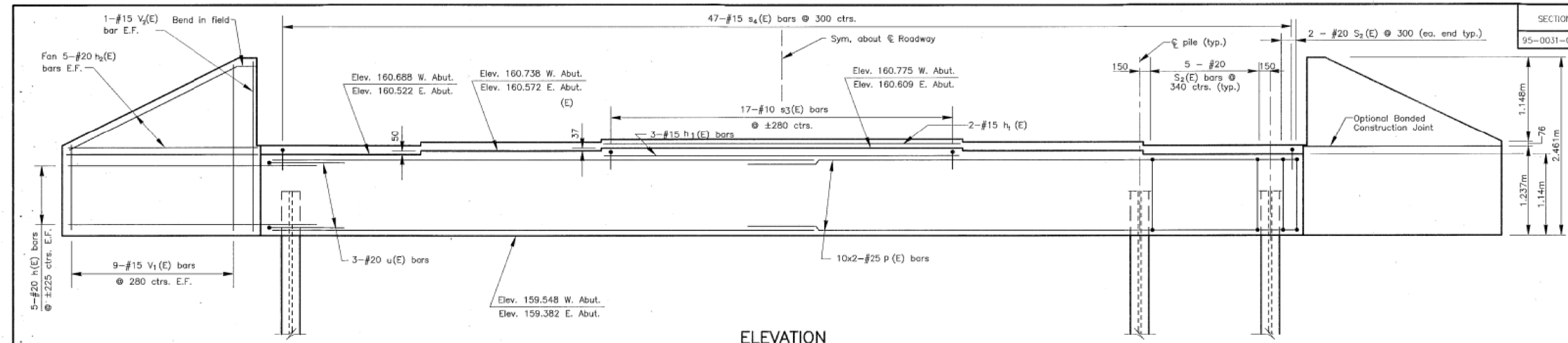
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| | CHECKED - | REVISED - |

ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

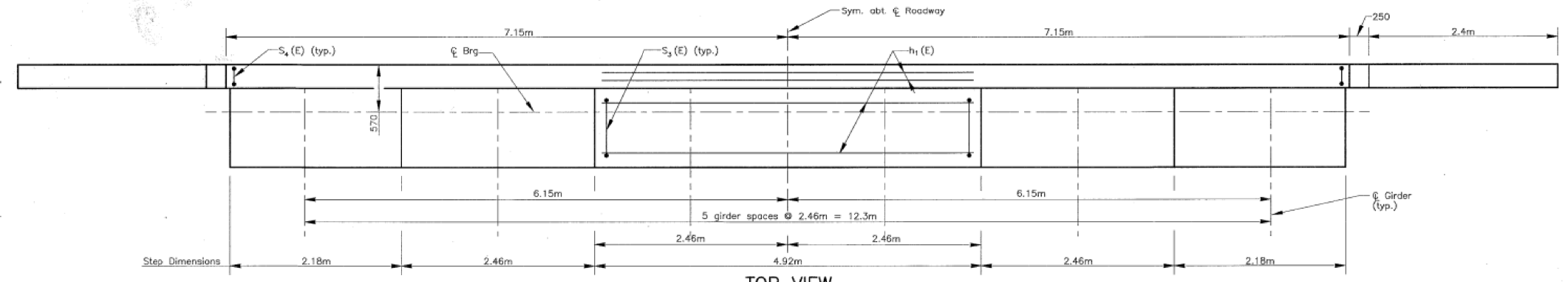
EXISTING BRIDGE PLANS FOR INFORMATION ONLY

SHEET 33 OF 37 SHEETS

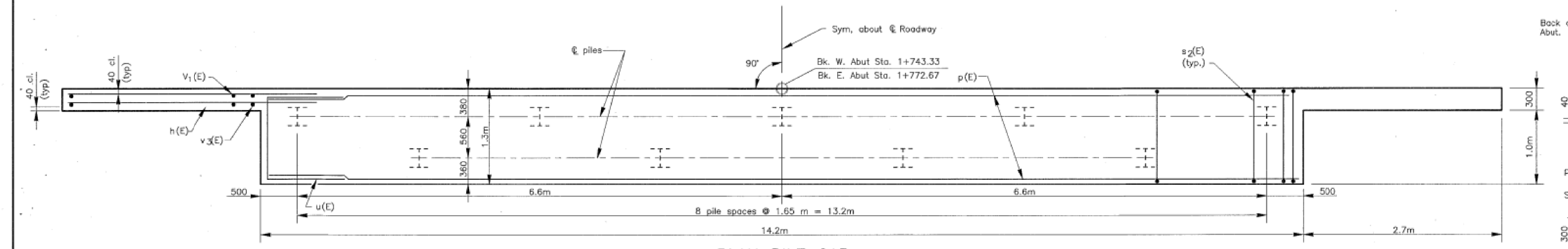
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 153 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



ELEVATION



TOP VIEW



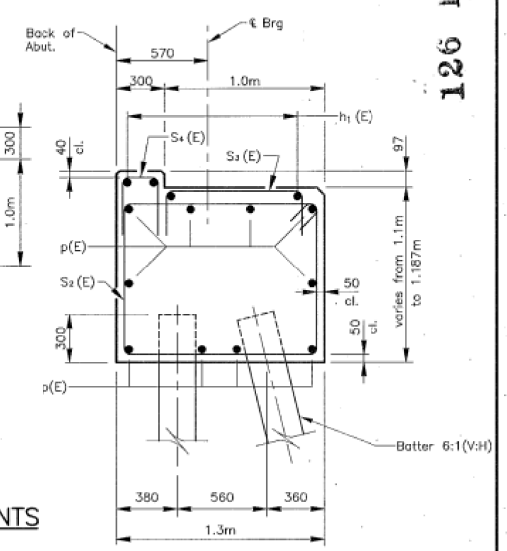
PLAN PILE CAP

BILL OF MATERIAL TWO ABUTMENTS

| Bar | No. | Size | Length (m) | Shape |
|---------------------------------|-----|-------|------------|-------|
| h(E) | 40 | #20 | 3.36 | — |
| h1(E) | 10 | #15 | 4.72 | — |
| h2(E) | 40 | #20 | 2.6 | — |
| p(E) | 40 | #25 | 7.98 | — |
| s2(E) | 88 | #20 | 4.88 | □ |
| s3(E) | 34 | #15 | 1.56 | □ |
| s4(E) | 94 | #15 | 0.9 | □ |
| u(E) | 12 | #20 | 2.94 | □ |
| v1(E) | 36 | #15 | 3.51 | — |
| v2(E) | 8 | #15 | 2.36 | — |
| Concrete Structures | | Cu. m | 49.3 | |
| Reinforcement Bars Epoxy Coated | | kg | 3430 | |
| Steel Piles HP 250x62 | | m | 264 | |
| Test Pile Steel HP 250x62 | | Each | 2 | |

REINFORCING BAR LAP SPLICES

| Bar location | Bar Size | Splice Length |
|--------------|----------|---------------|
| pile cap | #25 | 1850 |

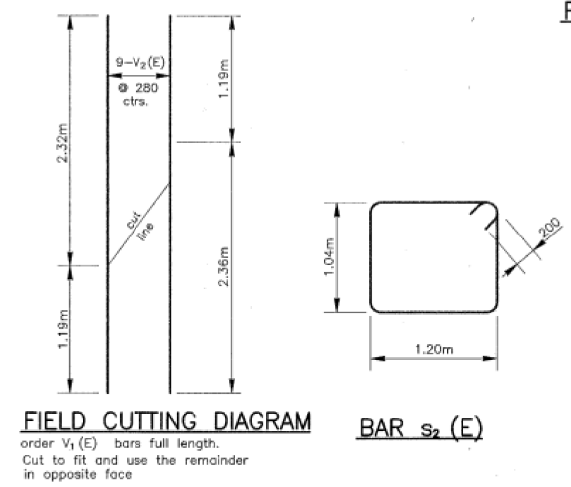


SECTION THRU ABUTMENT

PILE DATA TWO ABUTMENTS

Type: HP 250x62
 Capacity: Driven to Refusal
 Est. Length: 16.0m W. Abut.
 17.0m E. Abut.
 No. Req'd.: 16 plus 2 test piles

- NOTES**
- Space reinforcement in cap to miss retainer anchor bolts. See bearing details.
 - Pour steps monolithic with cap.
 - Reinforcing bars denoted (E) shall be epoxy coated.
 - Bars indicated thus: 10x2-#25 etc. indicates 10 lines of bars with 2 bars per line.



FIELD CUTTING DIAGRAM

BAR s2 (E)

BAR s3 (E)

BAR s4 (E)



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| DRAWN BY: JPR | COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK |
| CHECKED BY: MAM | SECTION: 95-00301-02-PV STRUCTURE NO. 082 - 3095 |
| APPROVED BY: APE | ABUTMENT DETAILS |
| SCALE: NONE | |
| DATE: 04/01/97 | |
| JOB NO: 95183 | |

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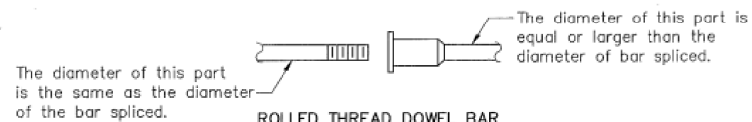
EXISTING BRIDGE PLANS FOR INFORMATION ONLY

SHEET 34 OF 37 SHEETS

| | | | | |
|---------------------------|------------------------|------------------|------------------|--------------------|
| F.A.U. RTE. 9330 | SECTION 13-00301-15-PW | COUNTY ST. CLAIR | TOTAL SHEETS 251 | SHEET NO. 154 |
| | | | | CONTRACT NO. 97752 |
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DEPARTMENT OF TRANSPORTATION

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|----------------|----------------|-----------|-----------------|--------------------------|
| SECTION NO. | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | SHEET NO. 9 11 SHEETS |
| 95-00301-02-PV | 95 | ST. CLAIR | 60 OF | |

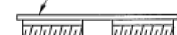


ROLLED THREAD DOWEL BAR



** ONE PIECE

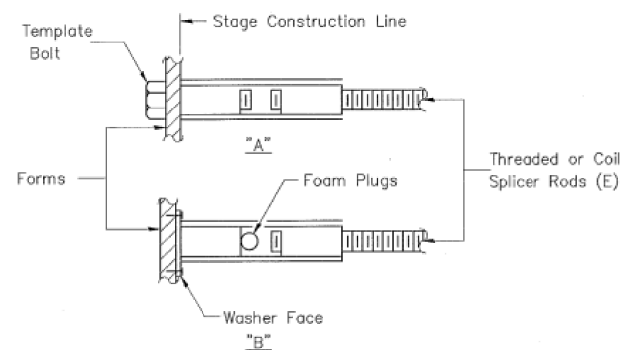
Wire Connector



WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563M, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
 "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 400 MPa yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

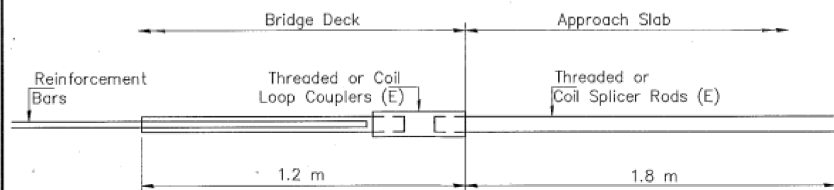
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- Minimum Capacity (Tension in kN) = $1.25 \times 10^{-3} \times f_y \times A_t$
- Minimum *Pull-out Strength (Tension in kN) = $1.25 \times 10^{-3} \times f_{sallow} \times A_t$

Where f_y = Yield strength of lapped reinforcement bars in MPa.
 f_{sallow} = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars (mm²).
 * = 28 day concrete

| Bar Size to be Spliced | Splicer Rod or Dowel Bar Length | Strength Requirements | |
|------------------------|---------------------------------|----------------------------|-------------------------------------|
| | | Min. Capacity kN - tension | Min. Pull-Out Strength kN - tension |
| #15 | 610 mm | 100 | 40 |
| #20 | 790 mm | 150 | 60 |
| #25 | 1.04 m | 250 | 100 |
| #30 | 1.37 m | 350 | 140 |

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS." All dimensions are in millimeters (mm) except as noted.



INTEGRAL ABUTMENT
BAR SPLICER ASSEMBLY DETAIL
FOR #15 BAR

| |
|--|
| Min. Capacity = 100 kN - tension |
| Min. Pull-out Strength = 40 kN - tension |
| No. Required = 90 |

BAR SPLICER ASSEMBLY DETAILS

| | | | | |
|--|--|--|--|--|
| | THOUVENOT, WADE & MOERCHEN, INC. | | DRAWN BY: KSR CHECKED BY: MAM APPROVED BY: RPS | COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK |
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| | SCALE: NONE | | DATE: 08/20/98 JOB NO: 95183 | BAR SPLICER |
| | SHEET 35 OF 37 SHEETS | | | |

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| | CHECKED - | REVISED - |

ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

EXISTING BRIDGE PLANS FOR INFORMATION ONLY

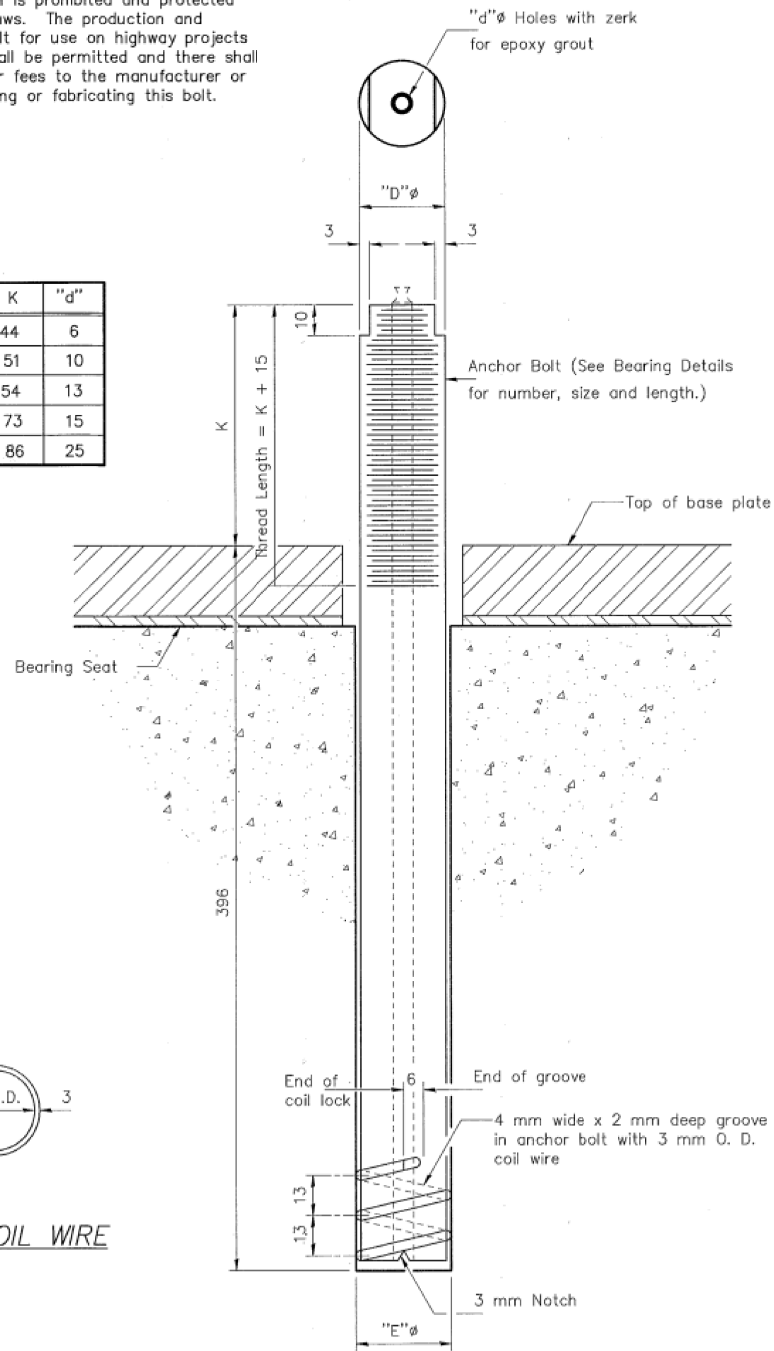
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 155 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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| SECTION NO. | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | SHEET NO. 10 |
| 95-00301-02-PV | 95 | ST. CLAIR | 61 OF | 11 SHEETS |

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

| D | E | H | K | "d" |
|----|----|----|----|-----|
| 24 | 27 | 20 | 44 | 6 |
| 30 | 33 | 26 | 51 | 10 |
| 36 | 39 | 32 | 54 | 13 |
| 48 | 51 | 44 | 73 | 15 |
| 64 | 67 | 60 | 86 | 25 |



ILLINOIS COIL-LOCK ANCHOR BOLT

MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.
The coil wire shall be made of any suitable soft steel wire.
The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.
The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade 1 and of a Class suitable for the temperature at installation.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.

The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:

1. A threaded rod stud with nut and washer of the type specified.
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

| Location | Type |
|----------|------|
| | |
| | |
| | |
| | |

GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.
Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.
The anchor bolts, furnished and installed and including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for "Furnishing and Erecting Structural Steel".
All dimensions are in millimeters (mm) except as noted.

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| | | | | |
|--|---|--|---|--|
| | THOUVENOT, WADE & MOERCHEN, INC. CORPORATE OFFICE 4940 OLD COLLINSVILLE RD. SWANSEA, ILLINOIS 62226 (618) 624-4488 FAX (618) 624-6688 | REGIONAL OFFICE 118 EAST THIRD STREET WATERLOO, ILLINOIS 62298 (618) 939-5050 FAX (618) 939-3938 | DRAWN BY: KPS CHECKED BY: MM APPROVED BY: KPS | COUNTY HIGHWAY 95 OVER A TRIBUTARY TO RICHLAND CREEK |
| | SCALE: NONE | | DATE: 08/20/98 JOB NO: 95183 | SECTION: 95-00301-02-PV STRUCTURE NO. 082 - 3095 ANCHOR BOLT DETAILS |

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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

EXISTING BRIDGE PLANS FOR INFORMATION ONLY
SHEET 36 OF 37 SHEETS

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 156 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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|----------------|----------------|-----------|-----------------|--------------|
| SECTION | COUNTY HIGHWAY | COUNTY | SHEET OF SHEETS | Sheet No. 11 |
| 95-00301-02-PV | 95 | ST. CLAIR | 62 OF | 11 Sheets |

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Eight Materials Dept. Increment = 152.5mm. Bridge Foundation Boring Log

PROJECT Throuvenot Lane BRIDGE Date 12/20/98 Sh. 1 of 2
Extension ROUTE C.H. 95 Bored By MDI
SEC. 95-00301-02-PV STA. 1+743.5 Checked By SOI (MAHorne)

COUNTY St. Clair
Street No. B-1
Boring No. B-1
Sta. 1+743.5
O/S

| Ground Surface | El. | N | Qu | W | Surf Wat. El. at Compl | El. | N | Qu | W |
|--|-------|---|----|---|------------------------|-----|---|----|---|
| 158.7 | 0m | | | | 157.3 | | | | |
| Brown low plastic SILTY CLAY, trace sand, green coal | 1 | | | | | | | | |
| (FILL) | 1 | | | | | | | | |
| | 157.0 | | | | | | | | |
| Dark brown low plastic SILTY CLAY, trace sand | 1 | | | | | | | | |
| (A-6) | 2 | | | | | | | | |
| Dark gray low plastic SILTY CLAY, trace sand | 1 | | | | | | | | |
| (A-6) | 2 | | | | | | | | |
| Gray and brown low plastic SILTY CLAY, trace sand | 1 | | | | | | | | |
| (A-6) | 2 | | | | | | | | |
| Gray and brown medium plastic SILTY CLAY, trace sand | 1 | | | | | | | | |
| (A-7-6) | 2 | | | | | | | | |
| Gray and brown low plastic SILTY CLAY, trace sand | 1 | | | | | | | | |
| (A-6) | 2 | | | | | | | | |
| Gray and brown medium plastic SILTY CLAY, trace sand | 1 | | | | | | | | |
| (A-7-6) | 2 | | | | | | | | |
| Brown and gray high plastic SILTY CLAY, trace sand | 1 | | | | | | | | |
| (A-7-6) | 2 | | | | | | | | |

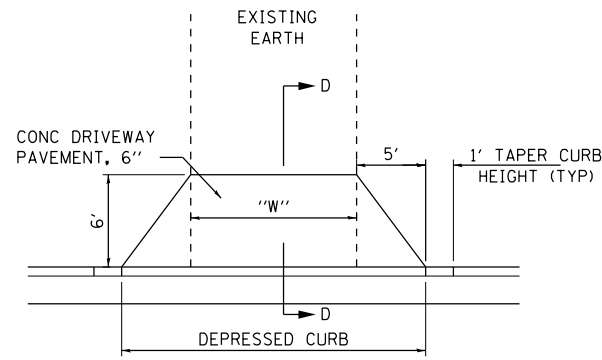
N 50 mm O/S Sampler, Driven 305 mm
65.5kg Hammer, 760 mm Fall (F.W.-Free Water B-Dulge S-Shear)

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Eight Materials Dept. Increment = 152.5mm. Bridge Foundation Boring Log

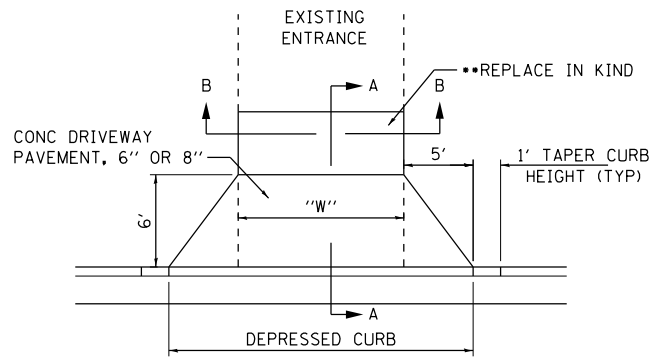
PROJECT Throuvenot Lane BRIDGE Date 12/20/98 Sh. 1 of 2
Extension ROUTE C.H. 95 Bored By MDI
SEC. 95-00301-02-PV STA. 1+772.4 Checked By SOI (MAHorne)

COUNTY St. Clair
Street No. B-2
Boring No. B-2
Sta. 1+772.4
O/S

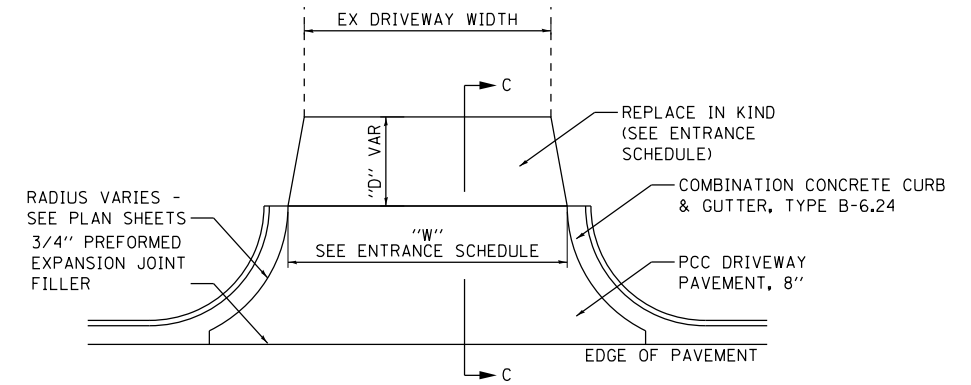
| Ground Surface | El. | N | Qu | W | Surf Wat. El. at Compl | El. | N | Qu | W |
|--|-----|---|----|---|------------------------|-----|---|----|---|
| 158.85 | 0m | | | | 157.15 | | | | |
| Brown and gray low plastic SILTY CLAY (FILL) | 0 | | | | | | | | |
| Gray high plastic SILTY CLAY (A-7-6) | 1 | | | | | | | | |
| Brown low plastic SILTY CLAY (A-6) | 1 | | | | | | | | |
| 2 | | | | | | | | | |
| Brown and gray high plastic SILTY CLAY, trace gravel (A-7-6) | 1 | | | | | | | | |
| 2 | | | | | | | | | |
| Brown and gray low plastic SILTY CLAY, trace gravel (A-6) | 1 | | | | | | | | |
| 2 | | | | | | | | | |
| Dark gray medium plastic SILTY CLAY, trace sand (A-7-6) | 1 | | | | | | | | |
| 2 | | | | | | | | | |
| Gray and brown low plastic SILTY CLAY, trace sand (A-6) | 1 | | | | | | | | |
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| Gray and brown low plastic SILTY CLAY, trace sand (A-6) | 1 | | | | | | | | |
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| Gray and brown low plastic SILTY CLAY, trace sand (A-6) | 1 | | | | | | | | |
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| Gray and brown low plastic SILTY CLAY, trace sand (A-6)</ | | | | | | | | | |



FIELD ENTRANCE DETAIL

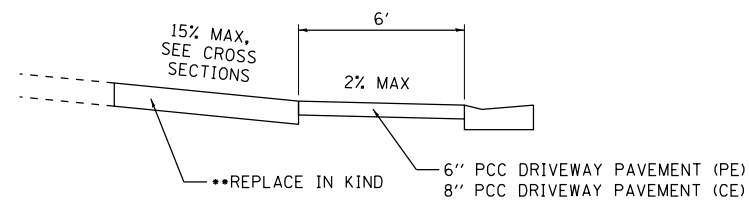


PRIVATE ENTRANCE DETAIL

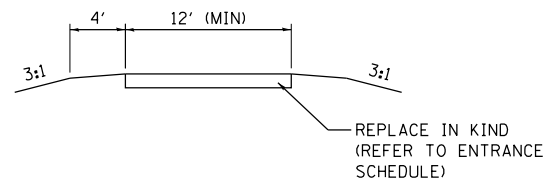


COMMERCIAL ENTRANCE DETAIL

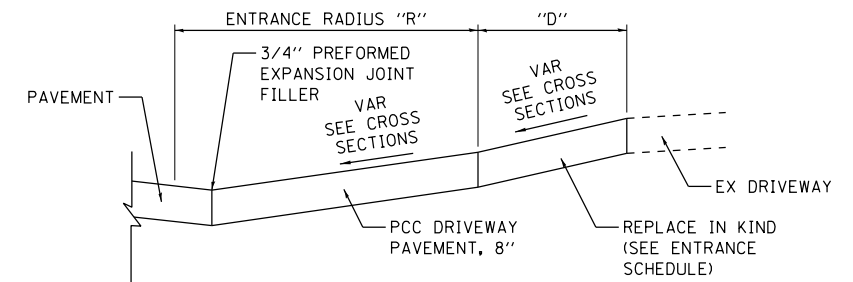
- IF THE EXISTING SURFACE = ASPHALT SURFACE
 THEN THE PROPOSED = 4" (COMPACTED) AGG. BASE COURSE, TYPE A (PE)
 6" (COMPACTED) AGG. BASE COURSE, TYPE A (CE)
 PLUS
 BITUMINOUS MATERIALS PRIME COAT
 AGGREGATE PRIME COAT
 2" INCIDENTAL HOT MIX ASPHALT SURFACING
- IF THE EXISTING SURFACE = CONCRETE
 THEN THE PROPOSED = 6" PCC DRIVEWAY PAVEMENT (PE)
 8" PCC DRIVEWAY PAVEMENT (CE)
- IF THE EXISTING SURFACE = AGGREGATE
 THEN THE PROPOSED = 4" (COMPACTED) AGG BASE COURSE, TYPE B (PE)
 6" (COMPACTED) AGG BASE COURSE, TYPE B (CE)



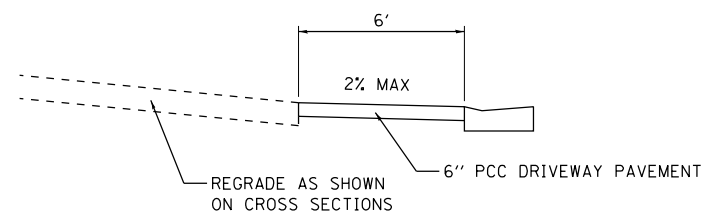
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

MODEL COVER SHEET
 FILE NAME: I:\1717032 - FSR WIDENING PHASE 2\CADD\micrостation\CADD Drawings\17032-sht-detailed.dgn



USER NAME = scott.felot
 PLOT SCALE = 40.0000 ' / in.
 PLOT DATE = 10/18/2021

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

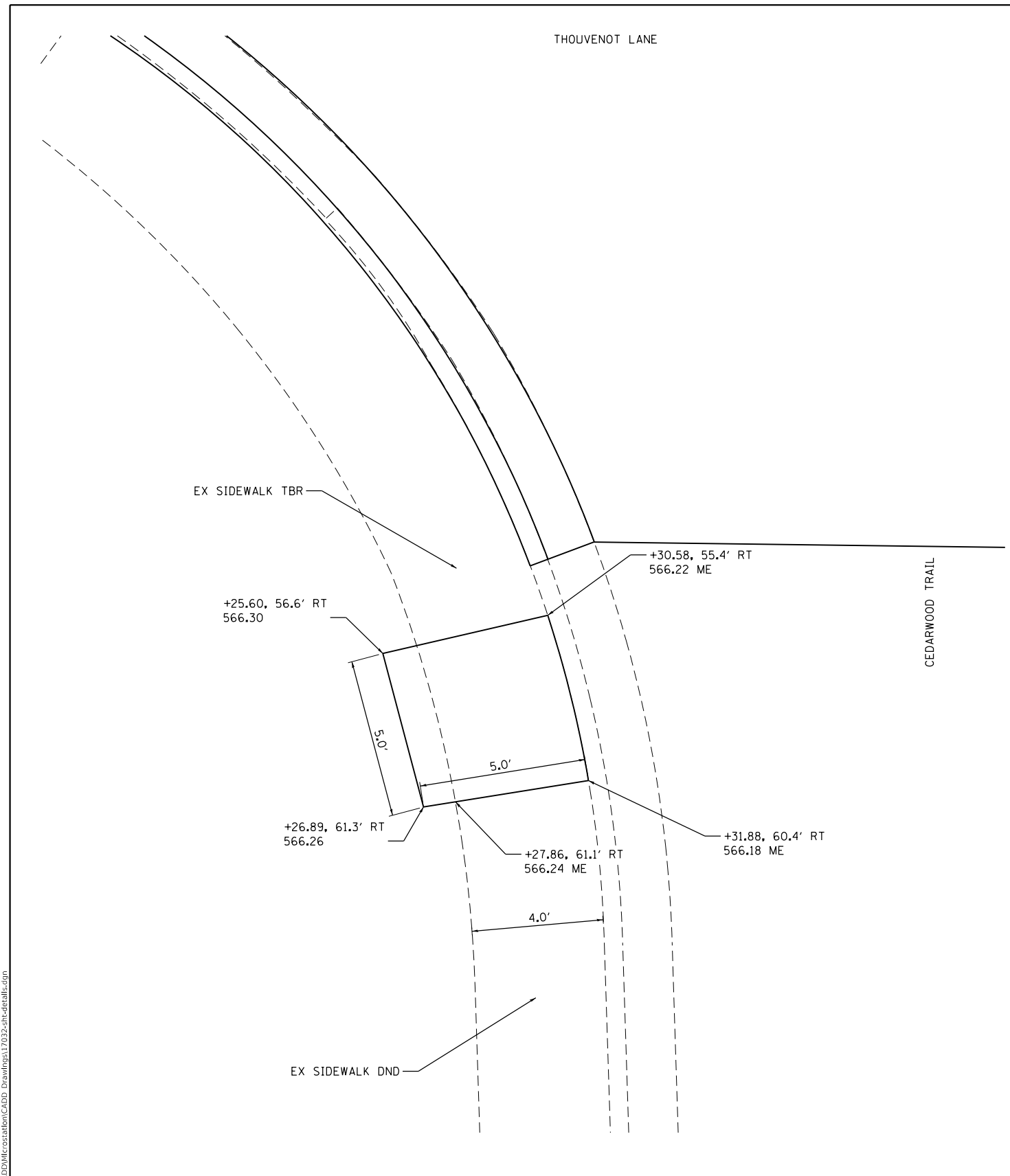
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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

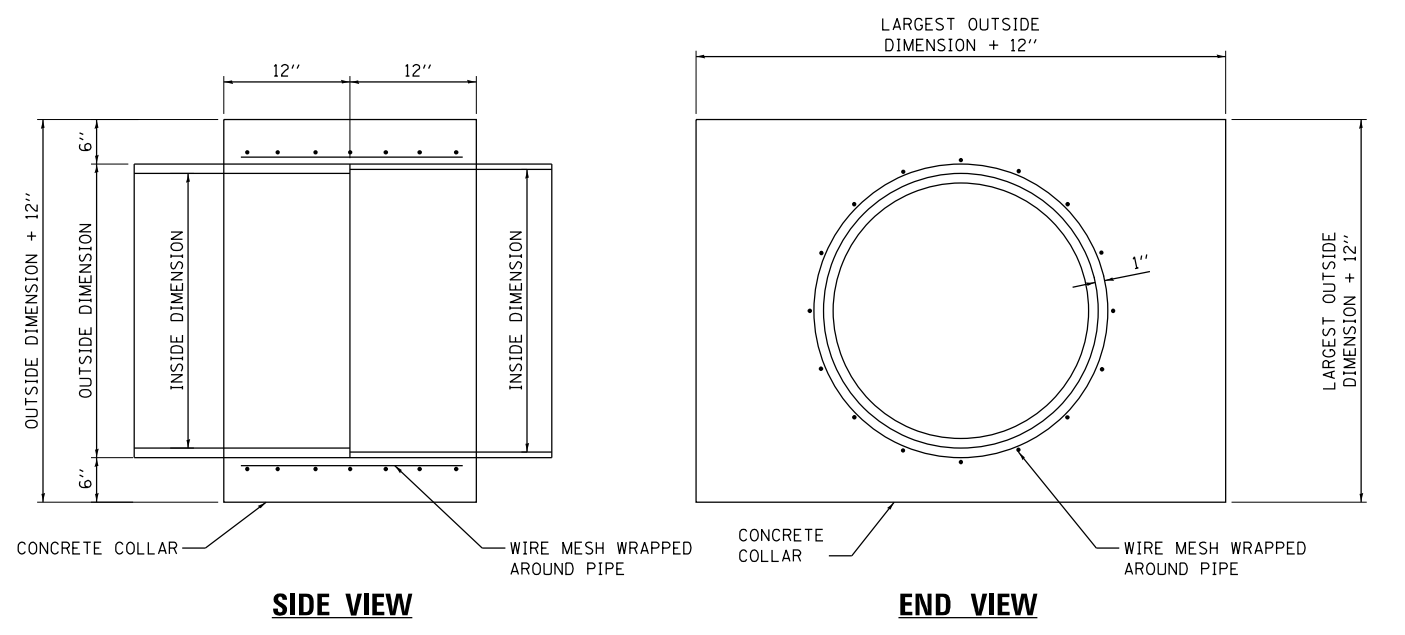
SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 158 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIDEWALK TURNAROUND STA 95+28.88 RT

NOT TO SCALE



SIDE VIEW

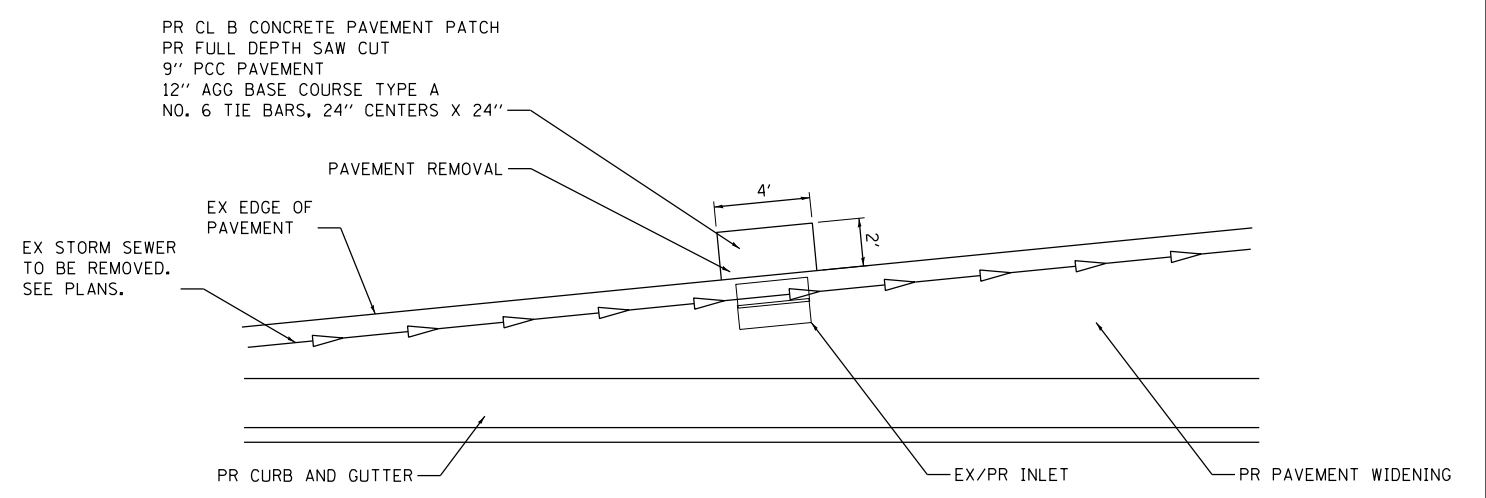
END VIEW

NOTES:

1. CLASS MS CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIMENSIONS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIMENSION (SEE END VIEW).
3. THE WIRE MESH SHALL NOT WEIGH LESS THAN 54 POUNDS PER 100 SQ FT.
4. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, CU YD, FOR CONCRETE COLLARS INCLUDING ALL MATERIALS AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

CONCRETE COLLAR DETAIL

NOT TO SCALE



4' x 2' PAVEMENT PATCH DETAIL

NOT TO SCALE

MODEL COVER SHEET
FILE NAME: 13-00301-15-17032 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-sh-draw.dgn



| | | |
|------------------------------|------------|-----------|
| USER NAME = scott.feltd | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

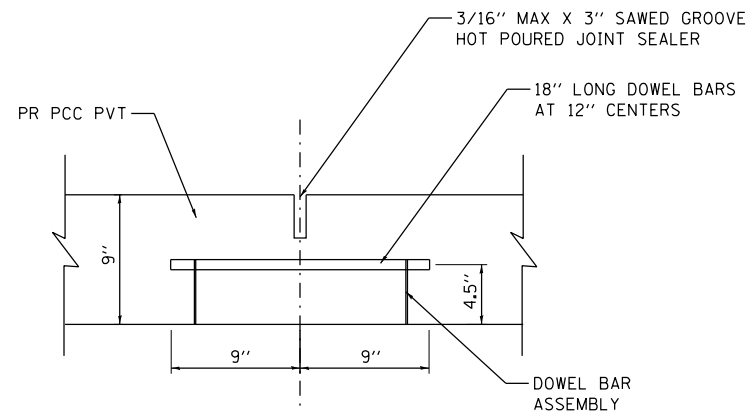


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

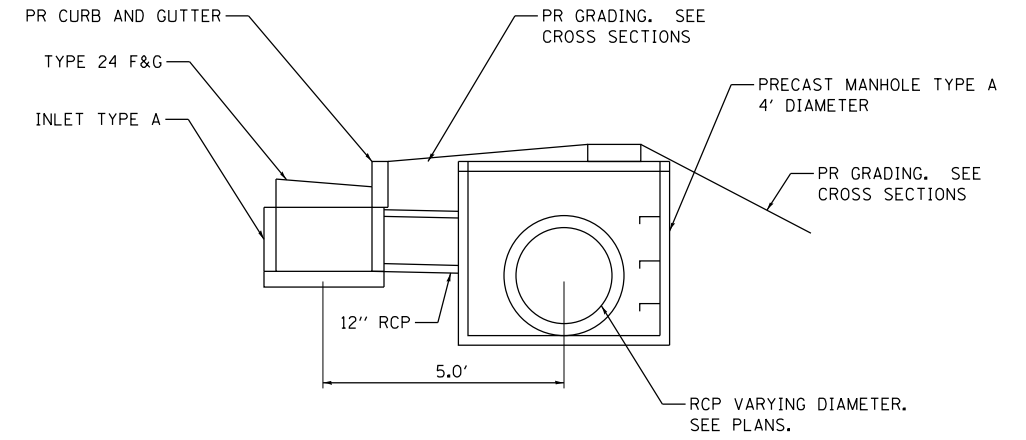
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| DETAILS | | | |
| SCALE: | SHEET 2 OF 7 SHEETS | STA. | TO STA. |

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 159 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTE: SAWCUTS, DOWEL BAR ASSEMBLY AND JOINT SEALER IS INCLUDED IN THE COST OF PCC PAVEMENT 9".

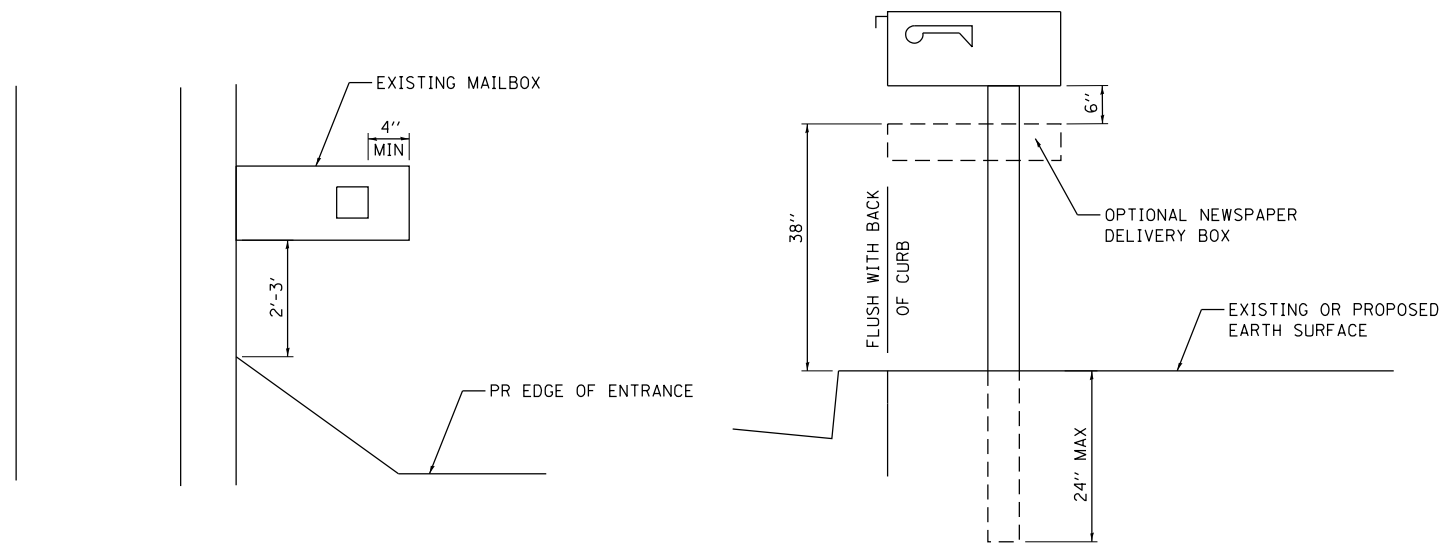


TRANSVERSE CONTRACTION JOINT
NOT TO SCALE



SIDE VIEW

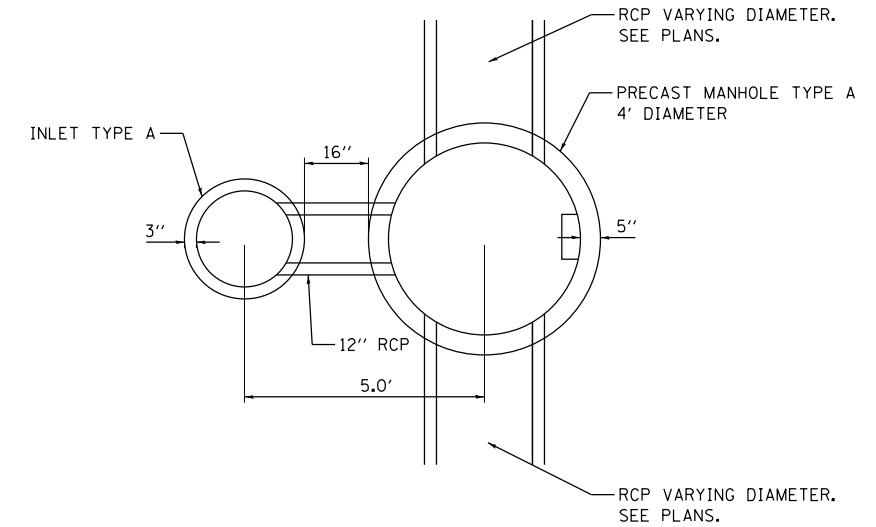
NOTE: ALL RELOCATED MAILBOXES SHALL FOLLOW USPS GUIDELINES.



PLAN VIEW

SIDE VIEW

MAILBOX RELOCATION DETAIL
NOT TO SCALE



PLAN VIEW

STORM SEWER – OFFSET TRUNKLINE DETAIL
NOT TO SCALE

MODEL COVER SHEET
FILE NAME: 10/17/2021 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-stc-drawings.dgn



USER NAME = scott.feltd
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 10/18/2021

DESIGNED -
DRAWN -
CHECKED -
DATE -

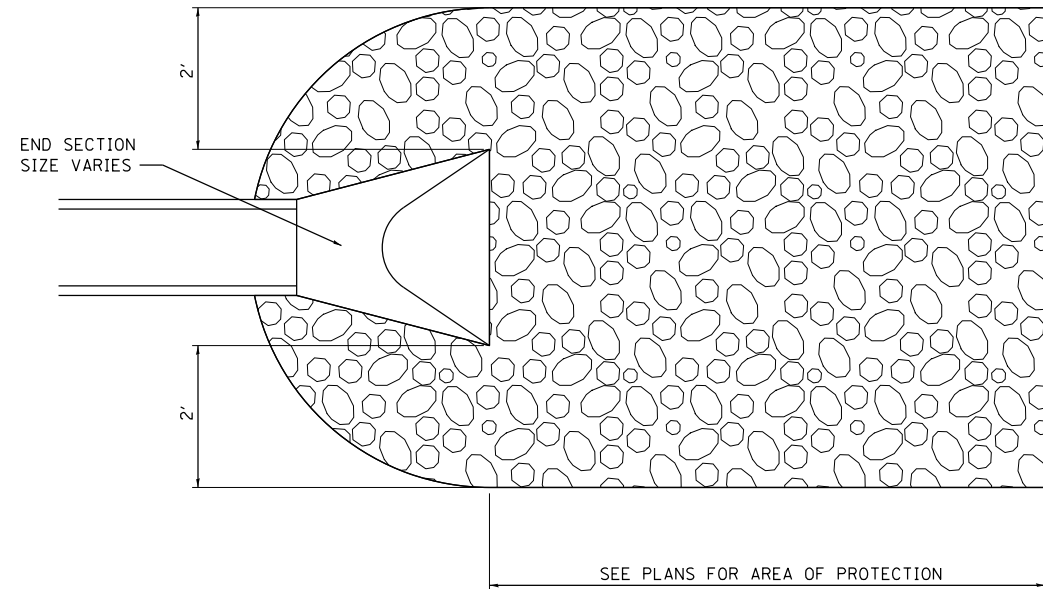
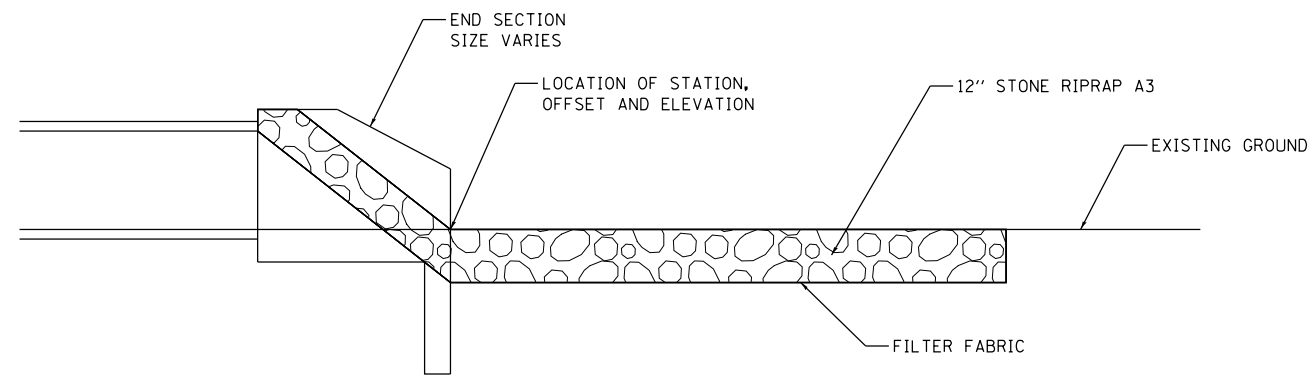
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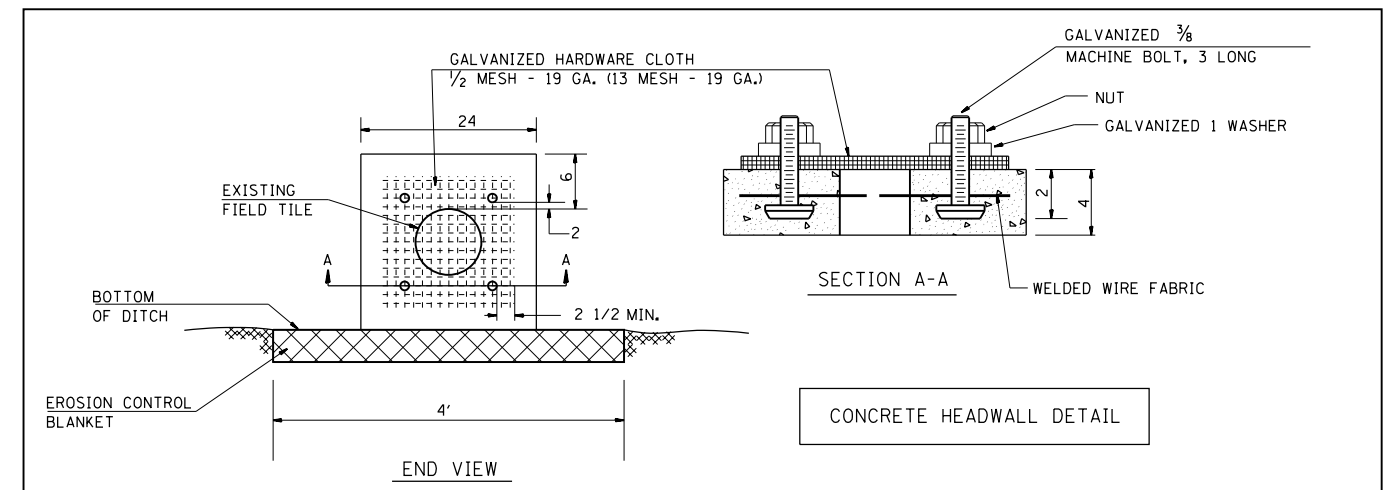
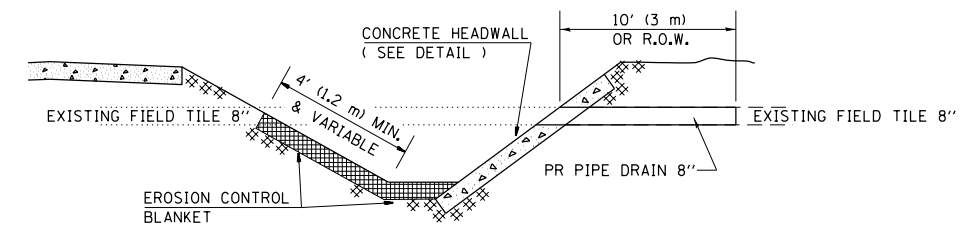
**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 160 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



TYPICAL RIPRAP DETAIL
NOT TO SCALE



- NOTES:
1. FIELD TILE SHALL BE REPLACED IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS. THE COST PER CONTRACT UNIT PRICE OF ITEMS INCLUDED IN THIS CONTRACT SHALL BE PAID FOR AS STATED IN SECTION 611 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACT UNIT PRICE IS NOT INCLUDED IN THIS CONTRACT, PAYMENT FOR THIS WORK WILL BE IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
 2. ALL HARDWARE, WELDED WIRE FABRIC, RODENT SCREENS AND OTHER REINFORCEMENT AND ANCHORS AS SHOWN OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE COST FOR MISCELLANEOUS CONCRETE.

EXISTING FIELD TILE REMOVAL DETAIL
NOT TO SCALE

MODEL: Cover Sheet
FILE NAME: 10/17/2021 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-detail.dgn



USER NAME = scott.feltd
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PLOT SCALE = 40.0000 ' / in.
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ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

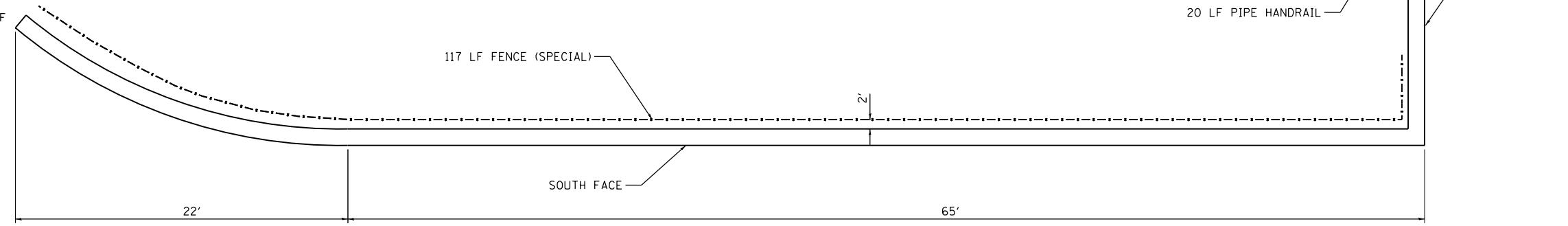
SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

DETAILS

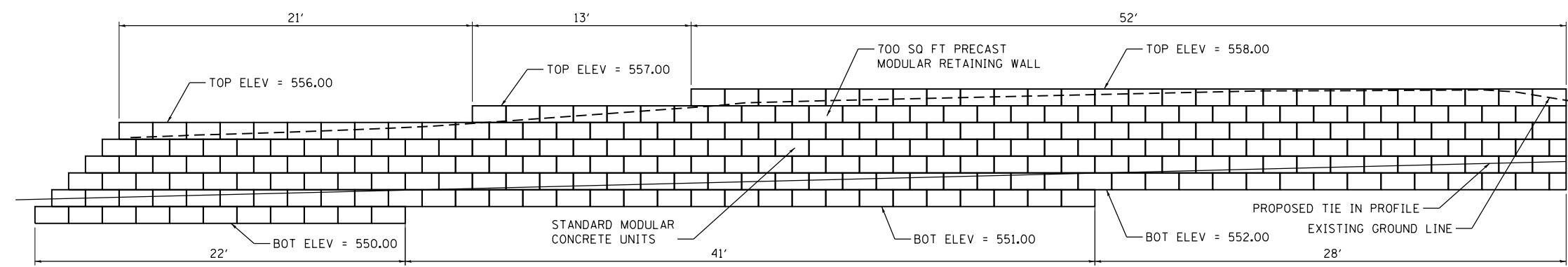
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 161 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

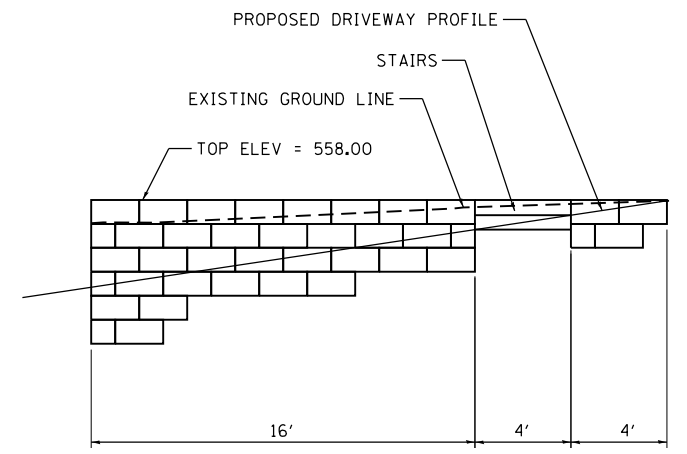
1. THE PRECAST MODULAR RETAINING WALL LAYOUT AND CONCRETE STEPS IS SHOWN FOR INFORMATIONAL BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR TO COMPLETE THE FINAL WALL LAYOUT AND DESIGN AS PART OF THE CONSTRUCTION CONTRACT.
2. THE DESIGN SHALL BE COMPLETED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
3. THE BLOCK WALL SHALL BE ACCORDING TO SECTION 522 OF THE STANDARD SPECIFICATIONS FOR PRECAST MODULAR RETAINING WALL SYSTEMS, EXCEPT THE DESIGN SHALL BE ACCORDING TO THE INTERNATIONAL BUILDING CODE CURRENTLY ADOPTED BY ST. CLAIR COUNTY, ILLINOIS. MAXIMUM ALLOWABLE BEARING PRESSURE SHALL BE 1,500 PSF.
4. ALL CAST-IN-PLACE CONCRETE SHALL BE ACCORDING TO SECTION 503 OF THE STANDARD SPECIFICATIONS.



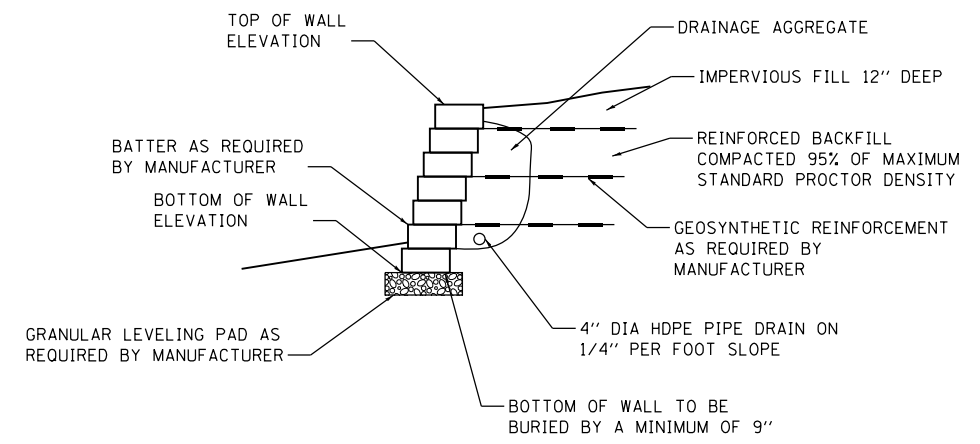
PLAN VIEW



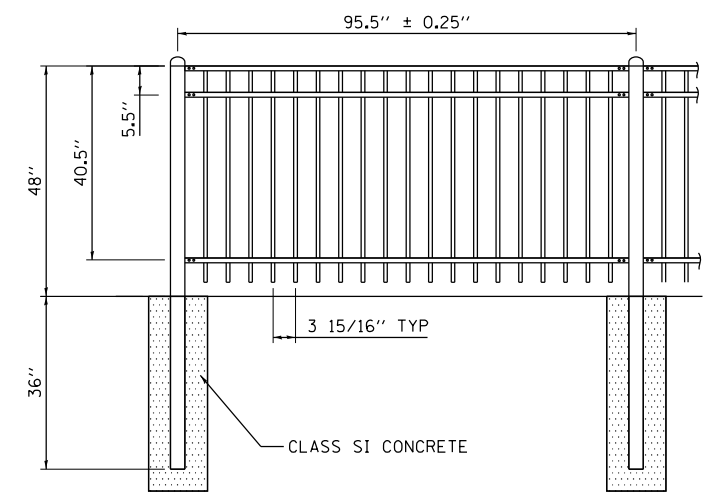
SOUTH FACE



EAST FACE



RETAINING WALL DETAIL
NOT TO SCALE



FENCE (SPECIAL) DETAIL
NOT TO SCALE

MODEL: Cover Sheet
FILE NAME: 10/11/2021 - ESSE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-drawings.dgn



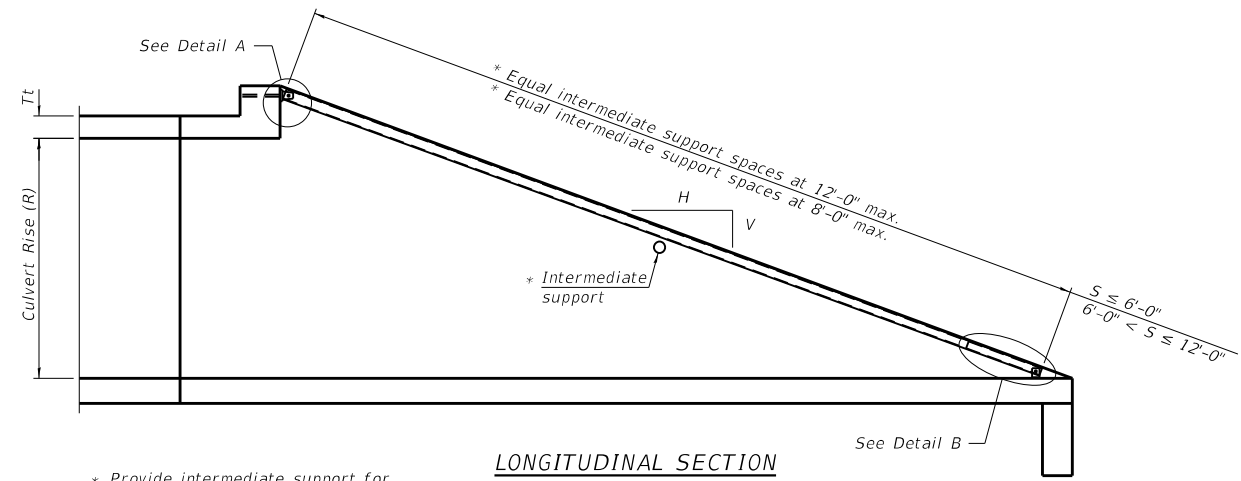
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|------------------------------|------------|-----------|
| USER NAME = scott.feltd | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |



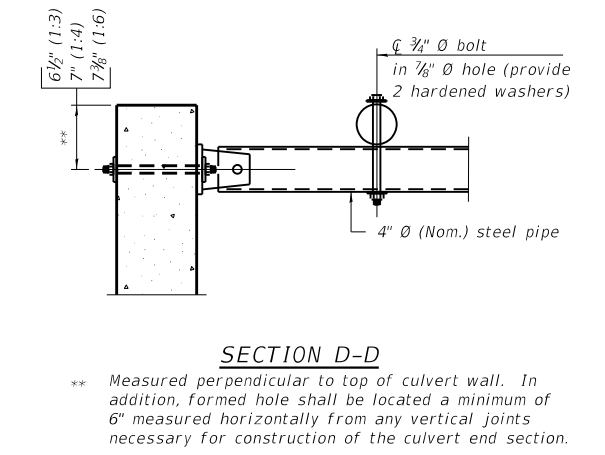
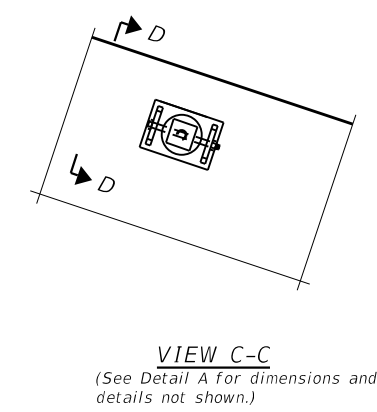
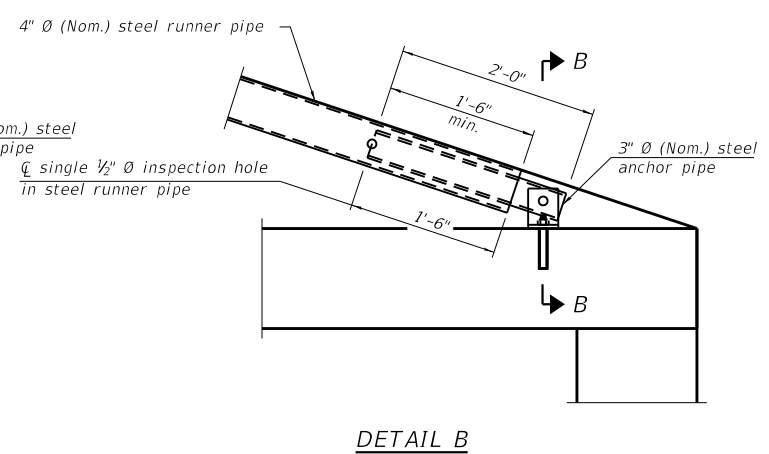
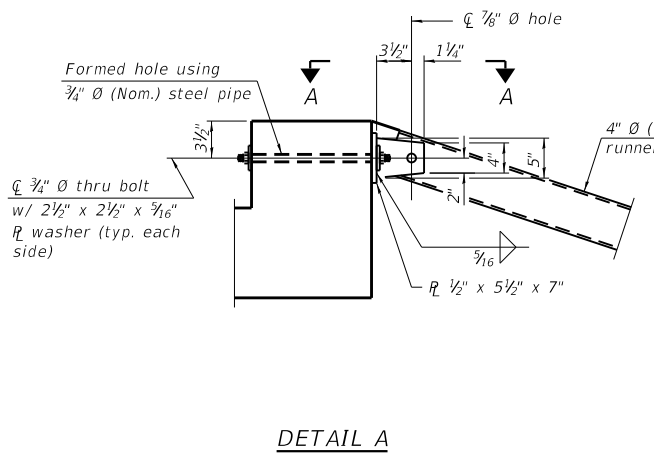
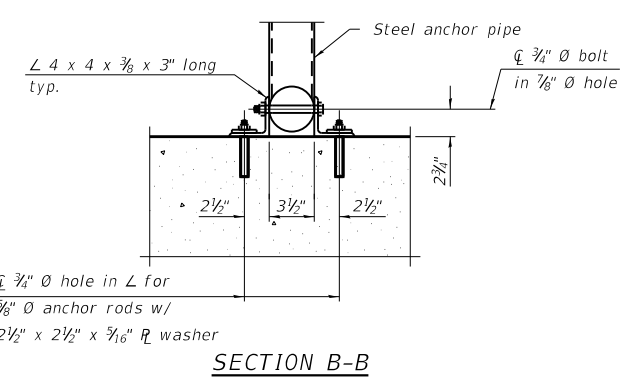
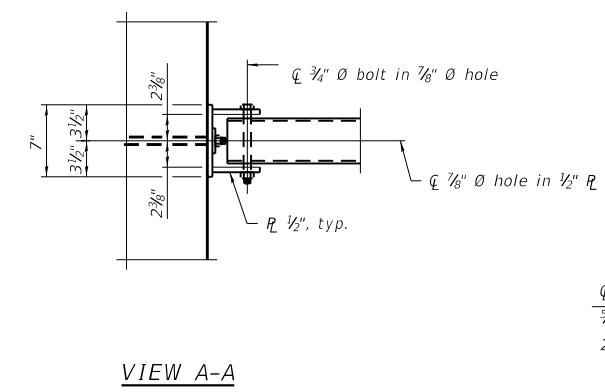
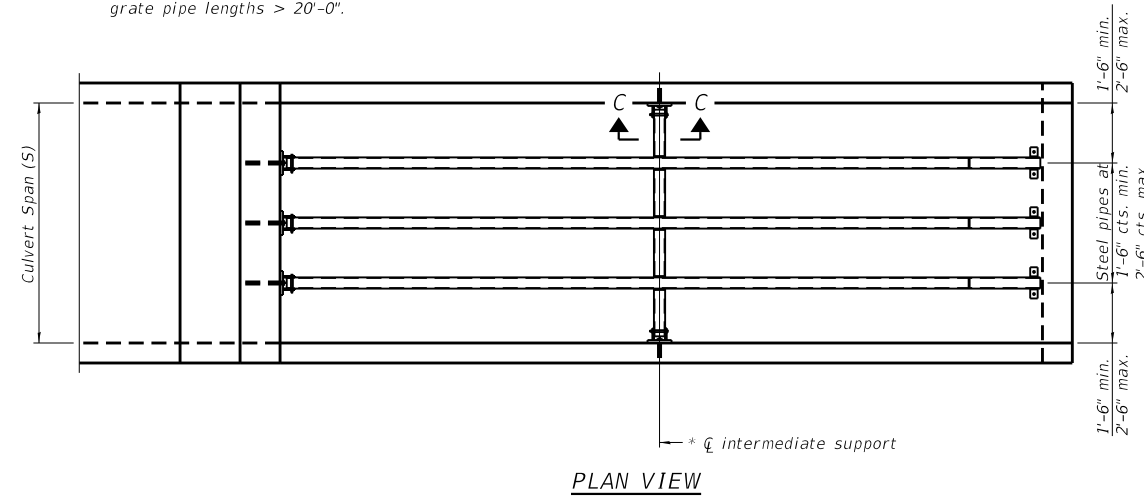
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

| | |
|----------------|----------------------------------|
| DETAILS | |
| SCALE: | SHEET 5 OF 7 SHEETS STA. TO STA. |

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 162 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



* Provide intermediate support for grate pipe lengths > 20'-0".



** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

GENERAL NOTES

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
 The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completed filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/2 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.

TPGBC-ZS 2-17-2017

(Sheet 1 of 2)

TRAVERSABLE PIPE GRATE FOR BOX CULVERTS

MODEL: Cover Sheet
 FILE NAME: 10117027 - FSE WIDENING PHASE 2\CADD\micrortafan\CADD Drawings\17027-shc-drawings.dwg



| | | |
|------------------------------|------------|-----------|
| USER NAME = scott.feldt | DESIGNED - | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | DRAWN - | REVISED - |
| DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

| | | | |
|--------|---------------------|------|---------|
| SCALE: | SHEET 6 OF 7 SHEETS | STA. | TO STA. |
|--------|---------------------|------|---------|

| | | | | |
|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 163 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS

| Precast Box Culvert Dimensions | | | Slope of End Section | | | | | | | | |
|--------------------------------|--------|---------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|
| | | | 1:3 | | | 1:4 | | | 1:6 | | |
| S (ft) | R (ft) | Tt (in) | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe |
| 4 | 2 | 7.5 | 1 @ 8'-10" | N/A | 8'-10" | 1 @ 11'-7" | N/A | 11'-7" | 1 @ 17'-2" | N/A | 17'-2" |
| 4 | 2 | 5 | 1 @ 8'-2" | N/A | 8'-2" | 1 @ 10'-8" | N/A | 10'-8" | 1 @ 15'-11" | N/A | 15'-11" |
| 4 | 3 | 7.5 | 1 @ 12'-0" | N/A | 12'-0" | 1 @ 15'-8" | N/A | 15'-8" | 1 @ 23'-3" | 1 @ 3'-7" | 26'-10" |
| 4 | 3 | 5 | 1 @ 11'-4" | N/A | 11'-4" | 1 @ 14'-10" | N/A | 14'-10" | 1 @ 22'-0" | 1 @ 3'-7" | 25'-7" |
| 4 | 4 | 7.5 | 1 @ 15'-2" | N/A | 15'-2" | 1 @ 19'-10" | 1 @ 3'-7" | 23'-5" | 1 @ 29'-4" | 2 @ 3'-7" | 36'-6" |
| 4 | 4 | 5 | 1 @ 14'-6" | N/A | 14'-6" | 1 @ 18'-11" | N/A | 18'-11" | 1 @ 28'-1" | 2 @ 3'-7" | 35'-3" |
| 5 | 2 | 8 | 1 @ 8'-11" | N/A | 8'-11" | 1 @ 11'-9" | N/A | 11'-9" | 1 @ 17'-5" | N/A | 17'-5" |
| 5 | 2 | 6 | 1 @ 8'-5" | N/A | 8'-5" | 1 @ 11'-1" | N/A | 11'-1" | 1 @ 16'-5" | N/A | 16'-5" |
| 5 | 3 | 8 | 1 @ 12'-1" | N/A | 12'-1" | 1 @ 15'-10" | N/A | 15'-10" | 1 @ 23'-6" | 1 @ 4'-7" | 28'-1" |
| 5 | 3 | 6 | 1 @ 11'-7" | N/A | 11'-7" | 1 @ 15'-2" | N/A | 15'-2" | 1 @ 22'-6" | 1 @ 4'-7" | 27'-1" |
| 5 | 4 | 8 | 1 @ 15'-3" | N/A | 15'-3" | 1 @ 20'-0" | 1 @ 4'-7" | 24'-7" | 1 @ 29'-7" | 2 @ 4'-7" | 38'-9" |
| 5 | 4 | 6 | 1 @ 14'-9" | N/A | 14'-9" | 1 @ 19'-3" | N/A | 19'-3" | 1 @ 28'-7" | 2 @ 4'-7" | 37'-9" |
| 5 | 5 | 8 | 1 @ 18'-5" | N/A | 18'-5" | 1 @ 24'-1" | 2 @ 4'-7" | 33'-3" | 1 @ 35'-8" | 3 @ 4'-7" | 49'-5" |
| 5 | 5 | 6 | 1 @ 17'-11" | N/A | 17'-11" | 1 @ 23'-5" | 1 @ 4'-7" | 28'-0" | 1 @ 34'-8" | 2 @ 4'-7" | 43'-10" |
| 6 | 2 | 8 | 2 @ 8'-11" | N/A | 17'-10" | 2 @ 11'-9" | N/A | 23'-6" | 2 @ 17'-5" | N/A | 34'-10" |
| 6 | 2 | 7 | 2 @ 8'-8" | N/A | 17'-4" | 2 @ 11'-5" | N/A | 22'-10" | 2 @ 16'-11" | N/A | 33'-10" |
| 6 | 3 | 8 | 2 @ 12'-1" | N/A | 24'-2" | 2 @ 15'-10" | N/A | 31'-8" | 2 @ 23'-6" | 1 @ 5'-7" | 52'-7" |
| 6 | 3 | 7 | 2 @ 11'-10" | N/A | 23'-8" | 2 @ 15'-6" | N/A | 31'-0" | 2 @ 23'-0" | 1 @ 5'-7" | 51'-7" |
| 6 | 4 | 8 | 2 @ 15'-3" | N/A | 30'-6" | 2 @ 20'-0" | 1 @ 5'-7" | 45'-7" | 2 @ 29'-7" | 2 @ 5'-7" | 70'-4" |
| 6 | 4 | 7 | 2 @ 15'-0" | N/A | 30'-0" | 2 @ 19'-8" | 1 @ 5'-7" | 44'-11" | 2 @ 29'-1" | 2 @ 5'-7" | 69'-4" |
| 6 | 5 | 8 | 2 @ 18'-5" | N/A | 36'-10" | 2 @ 24'-1" | 2 @ 5'-7" | 59'-4" | 2 @ 35'-8" | 3 @ 5'-7" | 88'-1" |
| 6 | 5 | 7 | 2 @ 18'-2" | N/A | 36'-4" | 2 @ 23'-9" | 2 @ 5'-7" | 58'-8" | 2 @ 35'-2" | 2 @ 5'-7" | 81'-6" |
| 6 | 6 | 8 | 2 @ 21'-7" | 1 @ 5'-7" | 48'-9" | 2 @ 28'-3" | 2 @ 5'-7" | 67'-8" | 2 @ 41'-9" | 3 @ 5'-7" | 100'-3" |
| 6 | 6 | 7 | 2 @ 21'-4" | 1 @ 5'-7" | 48'-3" | 2 @ 27'-11" | 2 @ 5'-7" | 67'-0" | 2 @ 41'-3" | 3 @ 5'-7" | 99'-3" |
| 7 | 2 | 8 | 2 @ 8'-11" | N/A | 17'-10" | 2 @ 11'-9" | N/A | 23'-6" | 2 @ 17'-5" | N/A | 34'-10" |
| 7 | 3 | 8 | 2 @ 12'-1" | N/A | 24'-2" | 2 @ 15'-10" | N/A | 31'-8" | 2 @ 23'-6" | 2 @ 6'-7" | 60'-2" |
| 7 | 4 | 8 | 2 @ 15'-3" | N/A | 30'-6" | 2 @ 20'-0" | 2 @ 6'-7" | 53'-2" | 2 @ 29'-7" | 3 @ 6'-7" | 78'-11" |
| 7 | 5 | 8 | 2 @ 18'-5" | N/A | 36'-10" | 2 @ 24'-1" | 3 @ 6'-7" | 67'-11" | 2 @ 35'-8" | 4 @ 6'-7" | 97'-8" |
| 7 | 6 | 8 | 2 @ 21'-7" | 2 @ 6'-7" | 56'-4" | 2 @ 28'-3" | 3 @ 6'-7" | 76'-3" | 2 @ 41'-9" | 5 @ 6'-7" | 116'-5" |
| 7 | 7 | 8 | 2 @ 24'-9" | 3 @ 6'-7" | 69'-3" | 2 @ 32'-4" | 4 @ 6'-7" | 91'-0" | 2 @ 47'-10" | 6 @ 6'-7" | 135'-2" |
| 8 | 2 | 8 | 3 @ 8'-11" | N/A | 26'-9" | 3 @ 11'-9" | N/A | 35'-3" | 3 @ 17'-5" | N/A | 52'-3" |
| 8 | 3 | 8 | 3 @ 12'-1" | N/A | 36'-3" | 3 @ 15'-10" | N/A | 47'-6" | 3 @ 23'-6" | 2 @ 7'-7" | 85'-8" |
| 8 | 4 | 8 | 3 @ 15'-3" | N/A | 45'-9" | 3 @ 20'-0" | 2 @ 7'-7" | 75'-2" | 3 @ 29'-7" | 3 @ 7'-7" | 111'-6" |
| 8 | 5 | 8 | 3 @ 18'-5" | N/A | 55'-3" | 3 @ 24'-1" | 3 @ 7'-7" | 95'-0" | 3 @ 35'-8" | 4 @ 7'-7" | 137'-4" |
| 8 | 6 | 8 | 3 @ 21'-7" | 2 @ 7'-7" | 79'-11" | 3 @ 28'-3" | 3 @ 7'-7" | 107'-6" | 3 @ 41'-9" | 5 @ 7'-7" | 163'-2" |
| 8 | 7 | 8 | 3 @ 24'-9" | 3 @ 7'-7" | 97'-0" | 3 @ 32'-4" | 4 @ 7'-7" | 127'-4" | 3 @ 47'-10" | 6 @ 7'-7" | 189'-0" |
| 8 | 8 | 8 | 3 @ 27'-11" | 3 @ 7'-7" | 106'-6" | 3 @ 36'-6" | 4 @ 7'-7" | 139'-10" | 3 @ 53'-11" | 6 @ 7'-7" | 207'-3" |
| 9 | 2 | 9 | 3 @ 9'-3" | N/A | 27'-9" | 3 @ 12'-1" | N/A | 36'-3" | 3 @ 17'-11" | N/A | 53'-9" |
| 9 | 3 | 9 | 3 @ 12'-4" | N/A | 37'-0" | 3 @ 16'-2" | N/A | 48'-6" | 3 @ 24'-0" | 3 @ 8'-7" | 97'-9" |
| 9 | 4 | 9 | 3 @ 15'-6" | N/A | 46'-6" | 3 @ 20'-4" | 2 @ 8'-7" | 78'-2" | 3 @ 30'-1" | 3 @ 8'-7" | 116'-0" |
| 9 | 5 | 9 | 3 @ 18'-8" | N/A | 56'-0" | 3 @ 24'-5" | 3 @ 8'-7" | 99'-0" | 3 @ 36'-2" | 4 @ 8'-7" | 142'-10" |
| 9 | 6 | 9 | 3 @ 21'-10" | 2 @ 8'-7" | 82'-8" | 3 @ 28'-7" | 3 @ 8'-7" | 111'-6" | 3 @ 42'-3" | 5 @ 8'-7" | 169'-8" |
| 9 | 7 | 9 | 3 @ 25'-0" | 3 @ 8'-7" | 100'-9" | 3 @ 32'-8" | 4 @ 8'-7" | 132'-4" | 3 @ 48'-4" | 6 @ 8'-7" | 196'-6" |
| 9 | 8 | 9 | 3 @ 28'-2" | 3 @ 8'-7" | 110'-3" | 3 @ 36'-10" | 4 @ 8'-7" | 144'-10" | 3 @ 54'-5" | 6 @ 8'-7" | 214'-9" |
| 9 | 9 | 9 | 3 @ 31'-4" | 3 @ 8'-7" | 119'-9" | 3 @ 40'-11" | 5 @ 8'-7" | 165'-8" | 3 @ 60'-6" | 7 @ 8'-7" | 241'-7" |
| 10 | 2 | 10 | 3 @ 9'-6" | N/A | 28'-6" | 3 @ 12'-5" | N/A | 37'-3" | 3 @ 18'-5" | N/A | 55'-3" |
| 10 | 3 | 10 | 3 @ 12'-8" | N/A | 38'-0" | 3 @ 16'-6" | N/A | 49'-6" | 3 @ 24'-6" | 3 @ 9'-7" | 102'-3" |
| 10 | 4 | 10 | 3 @ 15'-10" | N/A | 47'-6" | 3 @ 20'-8" | 2 @ 9'-7" | 81'-2" | 3 @ 30'-7" | 3 @ 9'-7" | 120'-6" |
| 10 | 5 | 10 | 3 @ 19'-0" | N/A | 57'-0" | 3 @ 24'-9" | 3 @ 9'-7" | 103'-0" | 3 @ 36'-8" | 4 @ 9'-7" | 148'-4" |
| 10 | 6 | 10 | 3 @ 22'-1" | 2 @ 9'-7" | 85'-5" | 3 @ 28'-11" | 3 @ 9'-7" | 115'-6" | 3 @ 42'-9" | 5 @ 9'-7" | 176'-2" |
| 10 | 7 | 10 | 3 @ 25'-3" | 3 @ 9'-7" | 104'-6" | 3 @ 33'-0" | 4 @ 9'-7" | 137'-4" | 3 @ 48'-10" | 6 @ 9'-7" | 204'-0" |
| 10 | 8 | 10 | 3 @ 28'-5" | 3 @ 9'-7" | 114'-0" | 3 @ 37'-2" | 4 @ 9'-7" | 149'-10" | 3 @ 54'-11" | 6 @ 9'-7" | 222'-3" |
| 10 | 9 | 10 | 3 @ 31'-7" | 4 @ 9'-7" | 133'-1" | 3 @ 41'-3" | 5 @ 9'-7" | 171'-8" | 3 @ 61'-0" | 7 @ 9'-7" | 250'-1" |
| 10 | 10 | 10 | 3 @ 34'-9" | 4 @ 9'-7" | 142'-7" | 3 @ 45'-5" | 5 @ 9'-7" | 184'-2" | 3 @ 67'-1" | 8 @ 9'-7" | 277'-11" |
| 11 | 2 | 11 | 4 @ 9'-9" | N/A | 39'-0" | 4 @ 12'-9" | N/A | 51'-0" | 4 @ 18'-11" | N/A | 75'-8" |
| 11 | 3 | 11 | 4 @ 12'-11" | N/A | 51'-8" | 4 @ 16'-11" | N/A | 67'-8" | 4 @ 25'-0" | 3 @ 10'-7" | 131'-9" |
| 11 | 4 | 11 | 4 @ 16'-1" | N/A | 64'-4" | 4 @ 21'-0" | 2 @ 10'-7" | 105'-2" | 4 @ 31'-1" | 3 @ 10'-7" | 156'-1" |
| 11 | 6 | 11 | 4 @ 22'-5" | 2 @ 10'-7" | 110'-10" | 4 @ 29'-3" | 3 @ 10'-7" | 148'-9" | 4 @ 43'-3" | 5 @ 10'-7" | 225'-11" |
| 11 | 8 | 11 | 4 @ 28'-9" | 3 @ 10'-7" | 146'-9" | 4 @ 37'-6" | 4 @ 10'-7" | 192'-4" | 4 @ 55'-5" | 6 @ 10'-7" | 285'-2" |
| 11 | 10 | 11 | 4 @ 35'-0" | 4 @ 10'-7" | 182'-4" | 4 @ 45'-9" | 5 @ 10'-7" | 235'-11" | 4 @ 67'-7" | 8 @ 10'-7" | 355'-0" |
| 11 | 11 | 11 | 4 @ 38'-2" | 4 @ 10'-7" | 195'-0" | 4 @ 49'-10" | 6 @ 10'-7" | 262'-10" | 4 @ 73'-8" | 9 @ 10'-7" | 389'-11" |
| 12 | 2 | 12 | 4 @ 10'-0" | N/A | 40'-0" | 4 @ 13'-1" | N/A | 52'-4" | 4 @ 19'-5" | N/A | 77'-8" |
| 12 | 3 | 12 | 4 @ 13'-2" | N/A | 52'-8" | 4 @ 17'-3" | N/A | 69'-0" | 4 @ 25'-6" | 3 @ 11'-7" | 136'-9" |
| 12 | 4 | 12 | 4 @ 16'-4" | N/A | 65'-4" | 4 @ 21'-4" | 2 @ 11'-7" | 108'-6" | 4 @ 31'-7" | 4 @ 11'-7" | 172'-8" |
| 12 | 6 | 12 | 4 @ 22'-8" | 2 @ 11'-7" | 113'-10" | 4 @ 29'-7" | 3 @ 11'-7" | 153'-1" | 4 @ 43'-9" | 5 @ 11'-7" | 232'-11" |
| 12 | 8 | 12 | 4 @ 29'-0" | 3 @ 11'-7" | 150'-9" | 4 @ 37'-10" | 4 @ 11'-7" | 197'-8" | 4 @ 55'-11" | 7 @ 11'-7" | 304'-9" |
| 12 | 10 | 12 | 4 @ 35'-4" | 4 @ 11'-7" | 187'-8" | 4 @ 46'-1" | 5 @ 11'-7" | 242'-3" | 4 @ 68'-1" | 8 @ 11'-7" | 365'-0" |
| 12 | 12 | 12 | 4 @ 41'-8" | 5 @ 11'-7" | 224'-7" | 4 @ 54'-4" | 6 @ 11'-7" | 286'-10" | 4 @ 80'-3" | 10 @ 11'-7" | 436'-10" |

TPGBC-ZS

2-17-2017

(Sheet 2 of 2)

TRAVERSABLE PIPE GRATE FOR BOX CULVERTS

MODEL: Cover Sheet
FILE NAME: 10117032 - ESSE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-draw.dwg



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DESIGNED -
DRAWN -
PLOT SCALE = 40.0000 ' / in.
CHECKED -
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

DETAILS

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

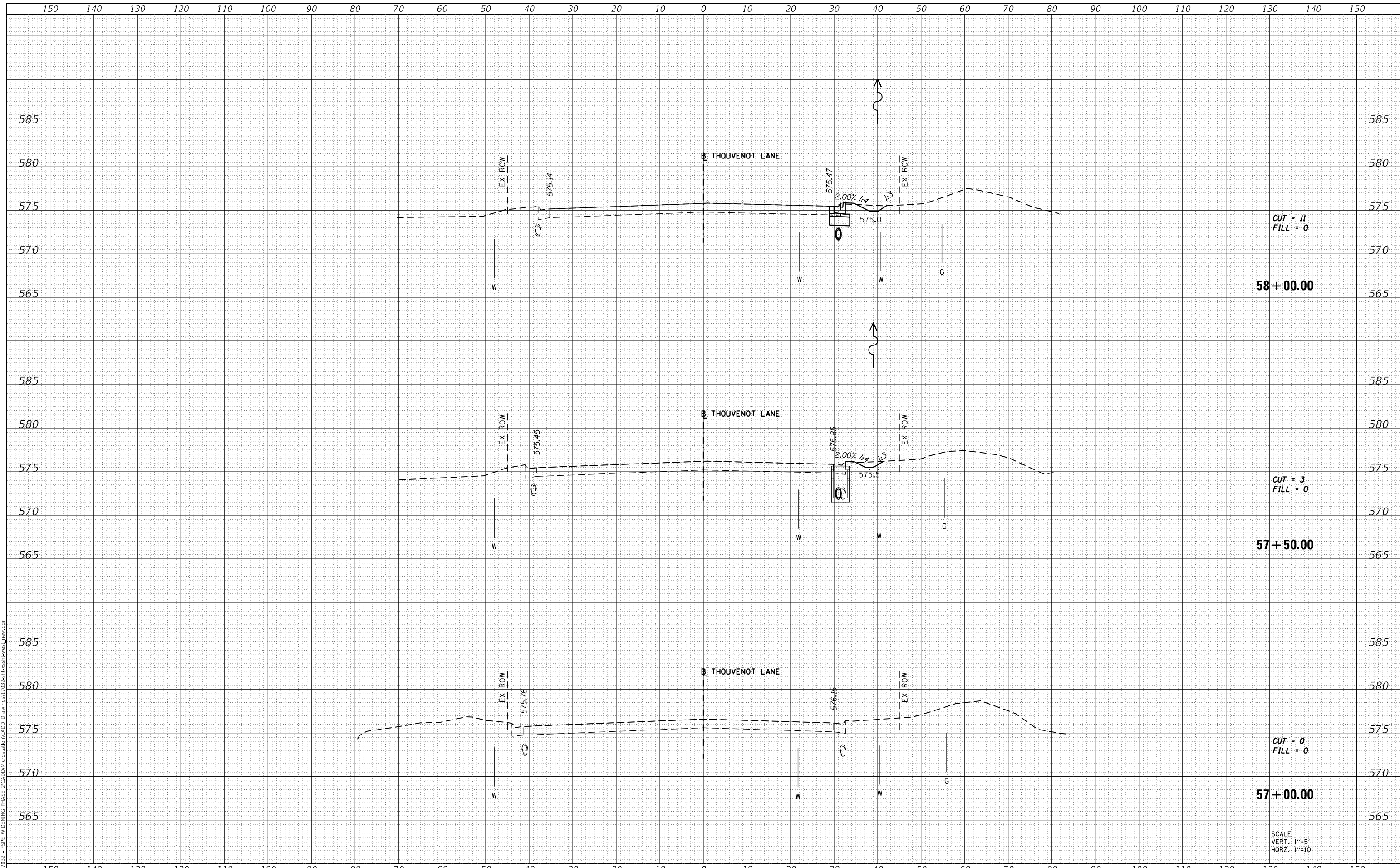
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|--------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 164 |
| CONTRACT NO. 97752 | | | | |

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 |

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 FILL = 0

58 + 00.00

CUT = 3
 FILL = 0

57 + 50.00

CUT = 0
 FILL = 0

57 + 00.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|-------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

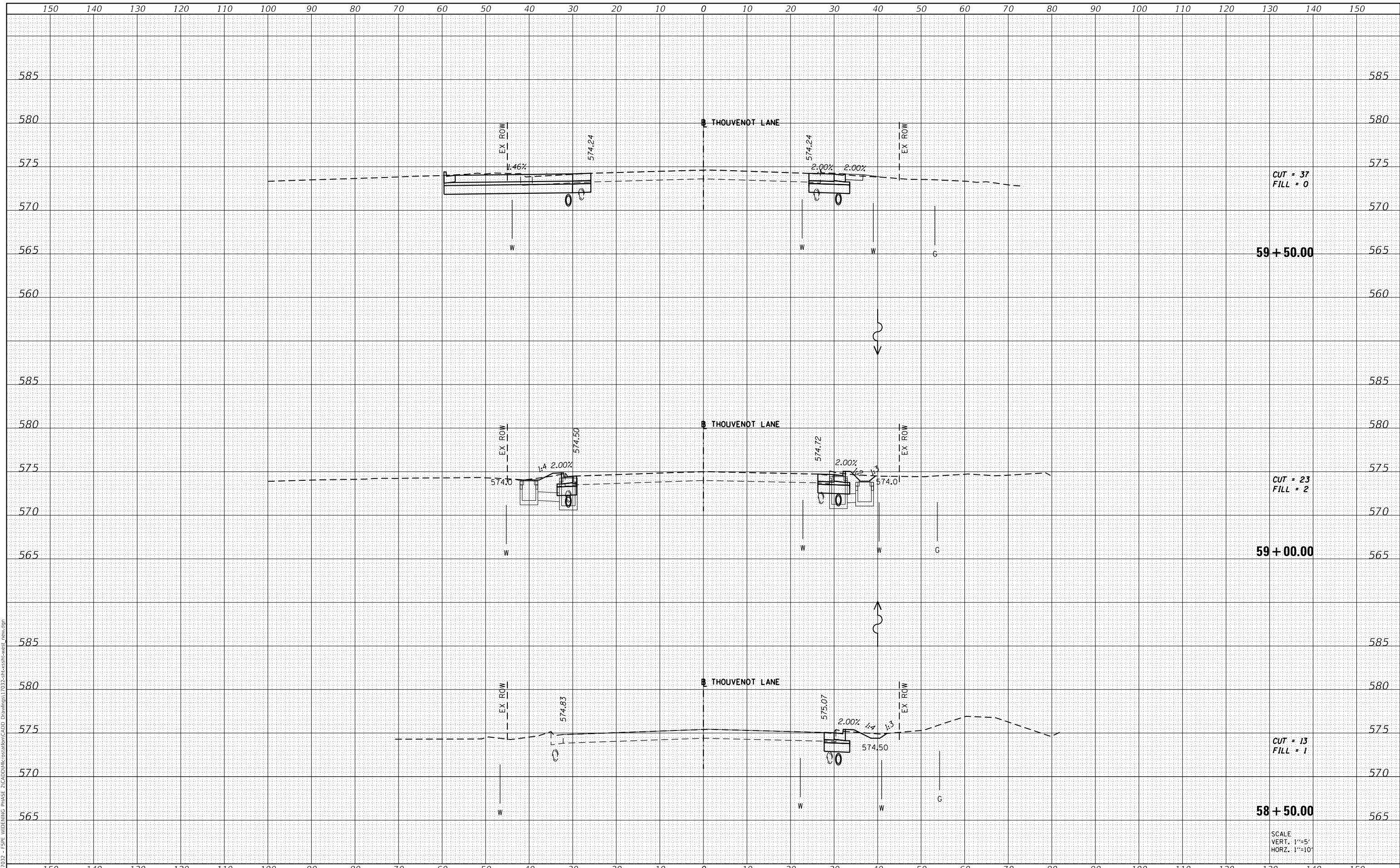
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 165 |
| | | | | CONTRACT NO. 97752 |
| | | ILLINOIS | FED. AID PROJECT | |

| | |
|---------------|--|
| 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: Definit
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CUT = 23
 FILL = 2

59 + 00.00

CUT = 13
 FILL = 1

58 + 50.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|--------|---|
| REVISD | - |
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| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

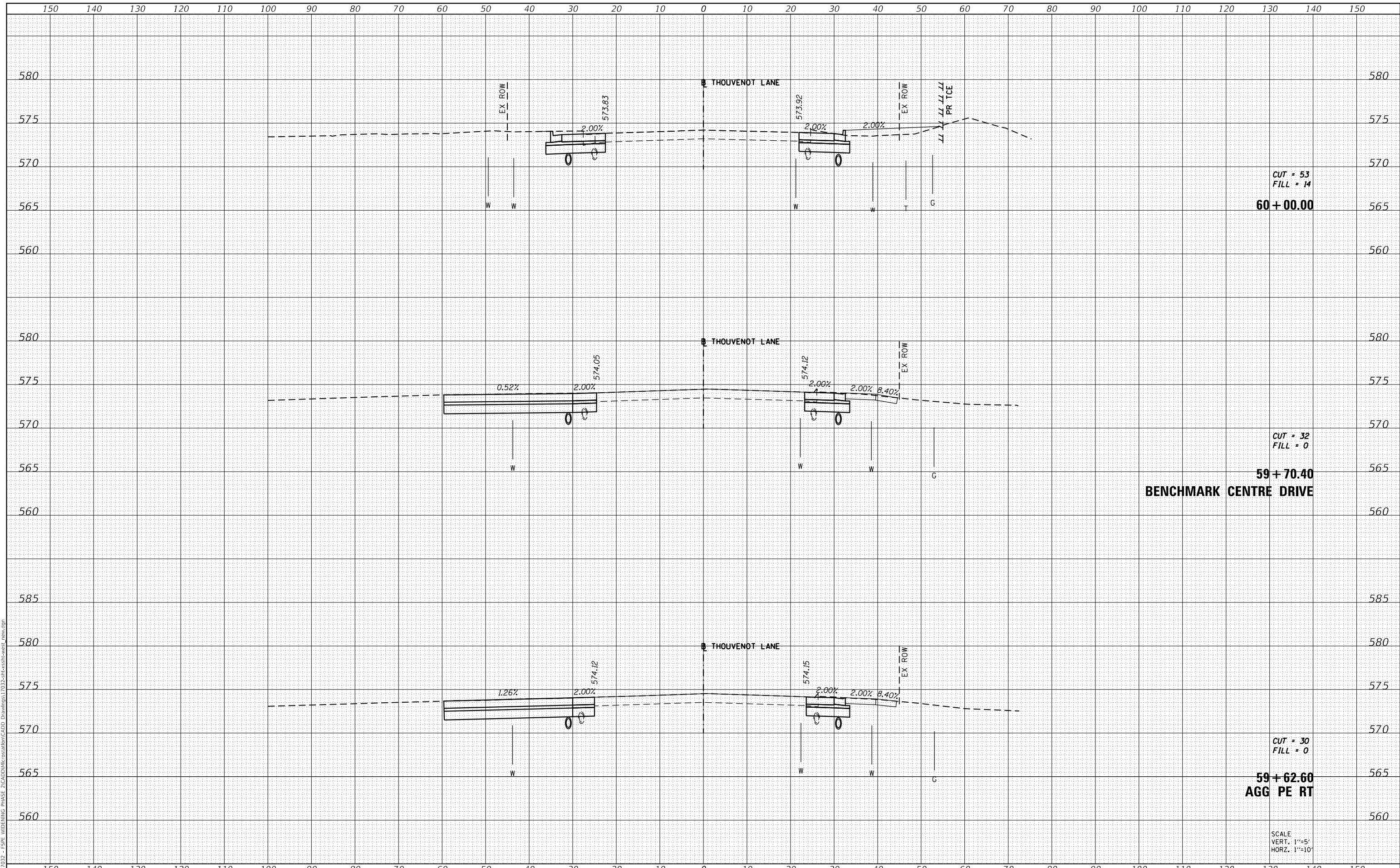
SCALE: SHEET 2 OF 87 SHEETS STA. 58+50.00 TO STA. 59+50.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 166 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | FED. AID PROJECT | | |

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|--------------|---------------|
| 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: Definit
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60+00.00

CUT = 32
 FILL = 0

59+70.40

BENCHMARK CENTRE DRIVE

CUT = 30
 FILL = 0

59+62.60

AGG PE RT

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 20.0000 ' / in.
 PLOT DATE = 10/18/2021

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

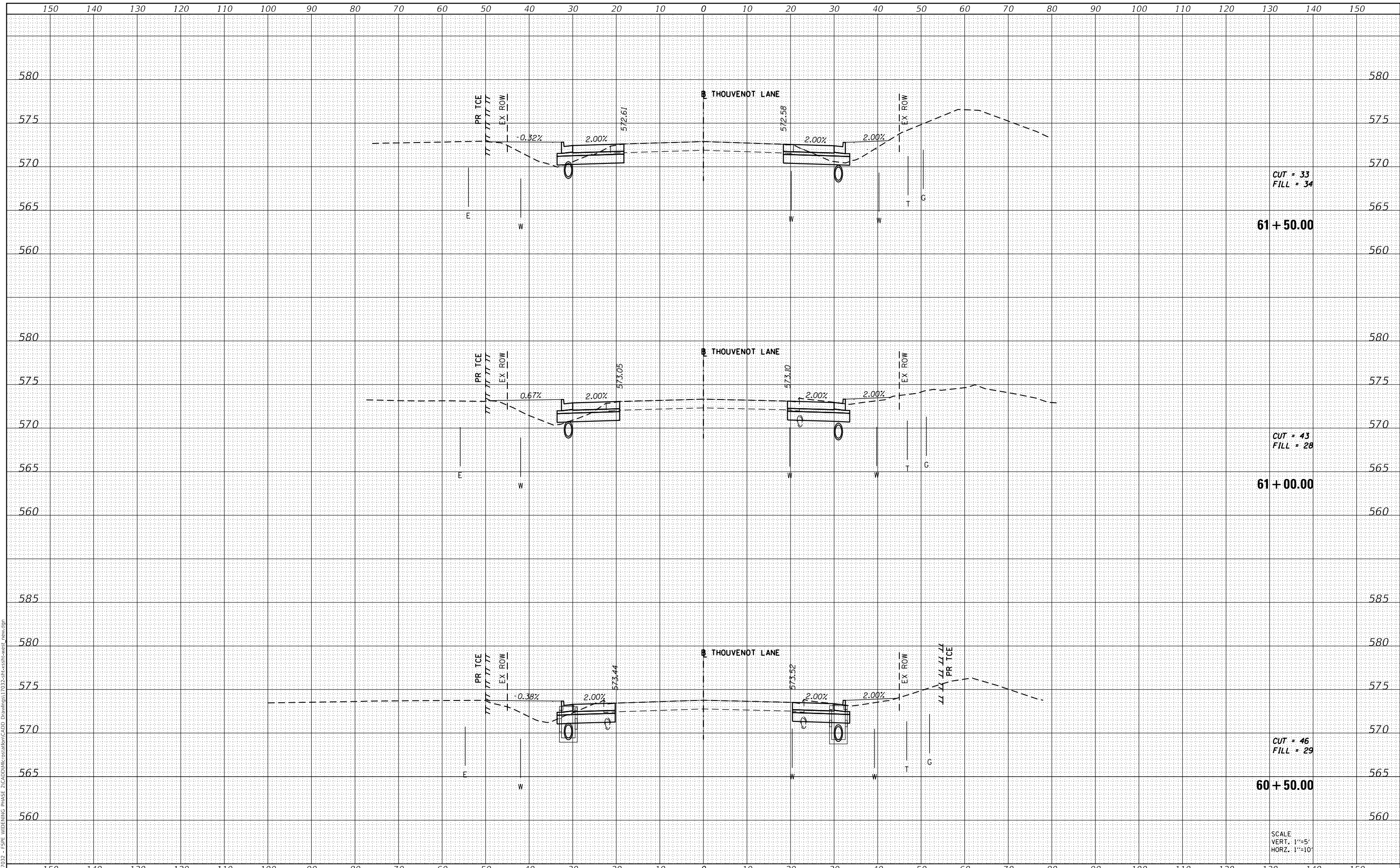
SCALE: SHEET 3 OF 87 SHEETS STA. 59+62.60 TO STA. 60+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|---------------------------|--------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 167 |
| | | | CONTRACT NO. 97752 | |
| | | 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. | |

MODEL: Definit
 FILE NAME: H:\111032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\111032-arc-ss16-west_new.dgn



CUT = 33
 FILL = 34

61+50.00

CUT = 43
 FILL = 28

61+00.00

CUT = 46
 FILL = 29

60+50.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 PLOT SCALE = 20.0000 ' / in.
 CHECKED -
 PLOT DATE = 10/18/2021
 DATE -

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

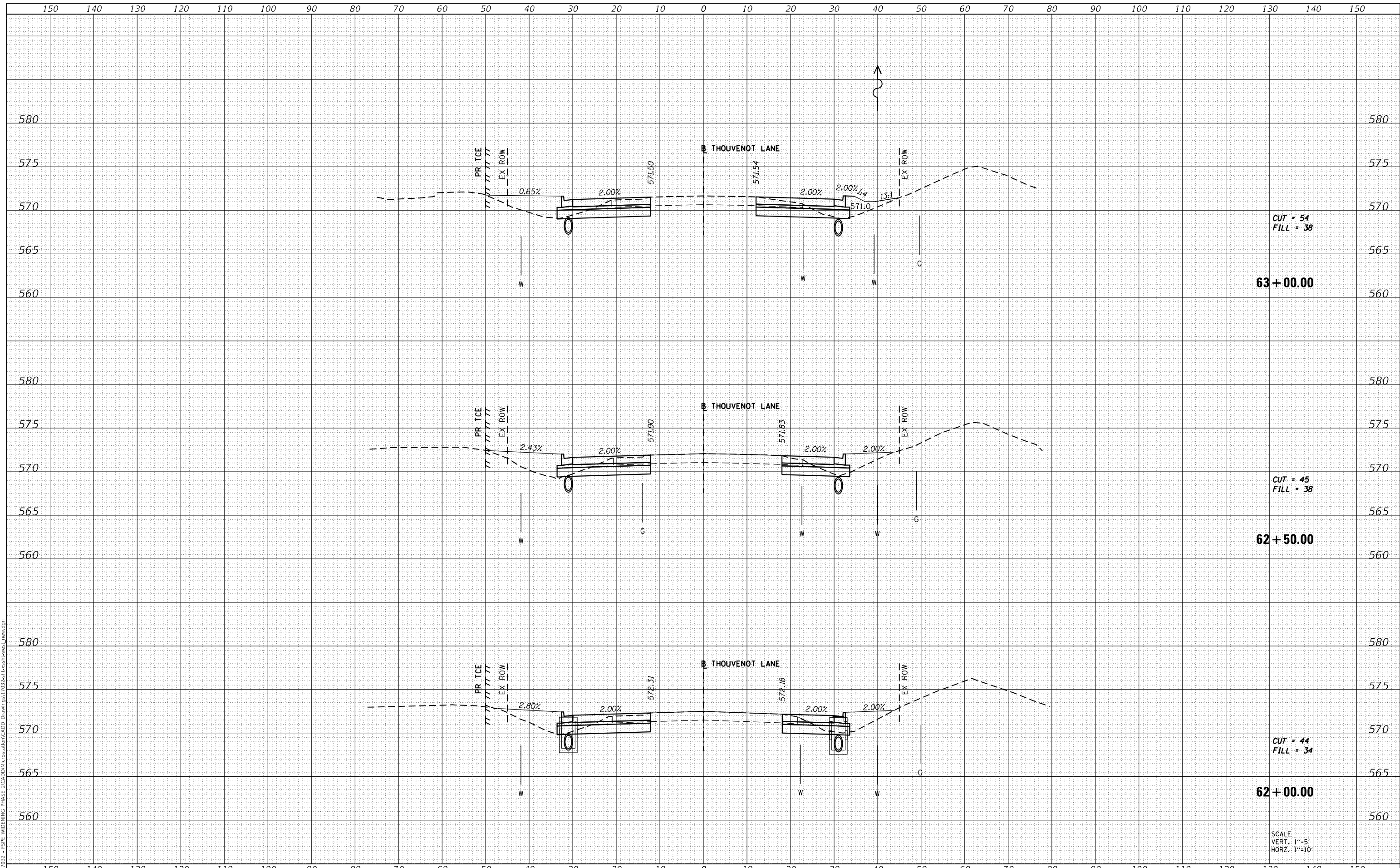
SCALE: SHEET 4 OF 87 SHEETS STA. 60+50.00 TO STA. 61+50.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 168 |
| CONTRACT NO. 97752 | | | 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. | |

MODEL: Defaul
 FILE NAME: H:\11732 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11732-SP-Cross-sec-west_new.dgn



CUT = 54
 FILL = 38

63 + 00.00

CUT = 45
 FILL = 38

62 + 50.00

CUT = 44
 FILL = 34

62 + 00.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

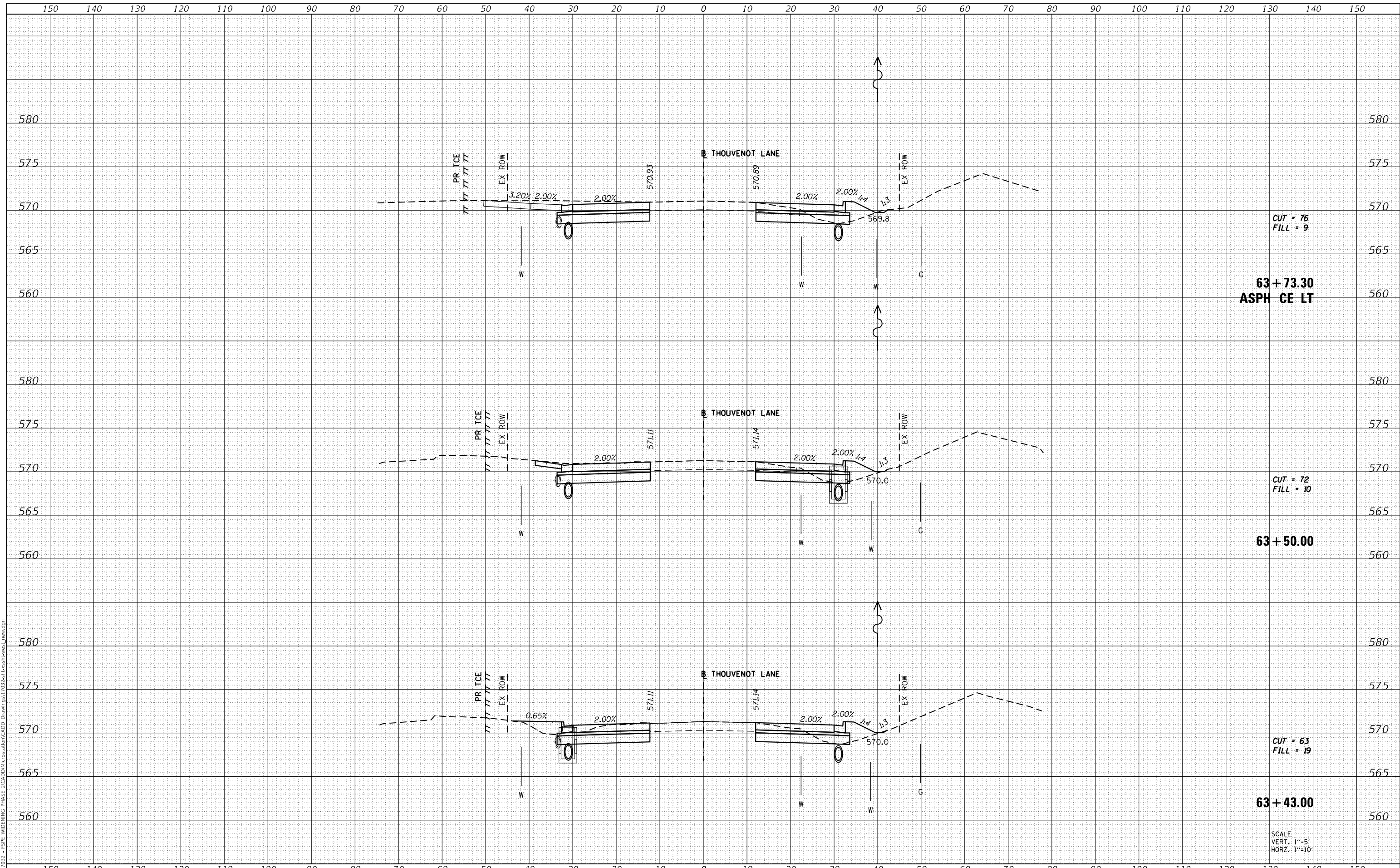
SCALE: SHEET 5 OF 87 SHEETS STA. 62+00.00 TO STA. 63+00.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 169 |
| | | | | CONTRACT NO. 97752 |
| | | 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:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-Section.dwg



CUT = 76
 FILL = 9
 63 + 73.30
 ASPH CE LT

CUT = 72
 FILL = 10
 63 + 50.00

CUT = 63
 FILL = 19
 63 + 43.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

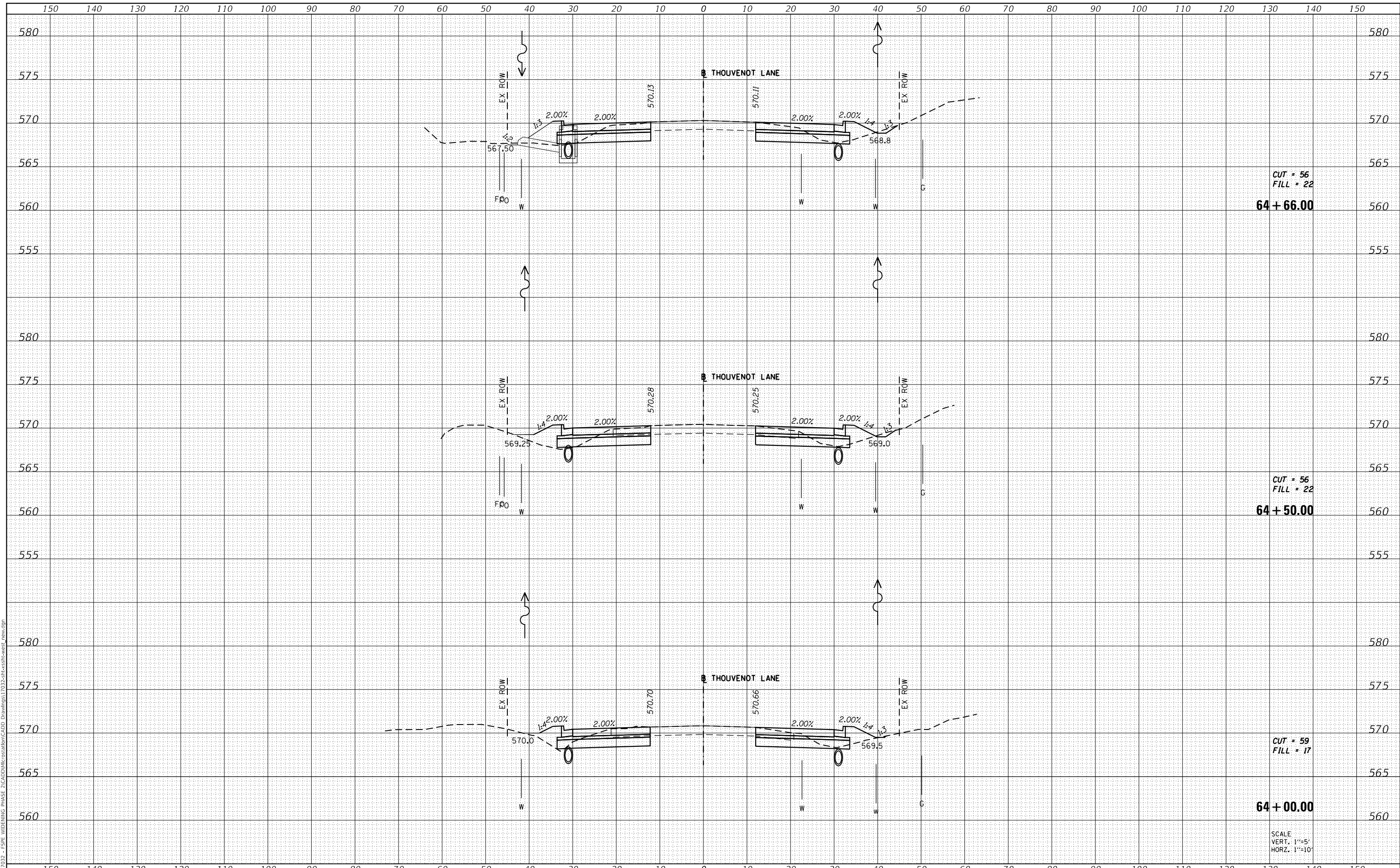
SCALE: SHEET 6 OF 87 SHEETS STA. 63+43.00 TO STA. 63+73.30

| | | | | |
|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 170 |
| | | | | CONTRACT NO. 97752 |
| 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: Definit
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



CUT = 56
 FILL = 22
64 + 66.00

CUT = 56
 FILL = 22
64 + 50.00

CUT = 59
 FILL = 17
64 + 00.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|-------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|----------|---|
| DESIGNED | - |
| REVISIED | - |
| REVISIED | - |
| REVISIED | - |
| REVISIED | - |



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

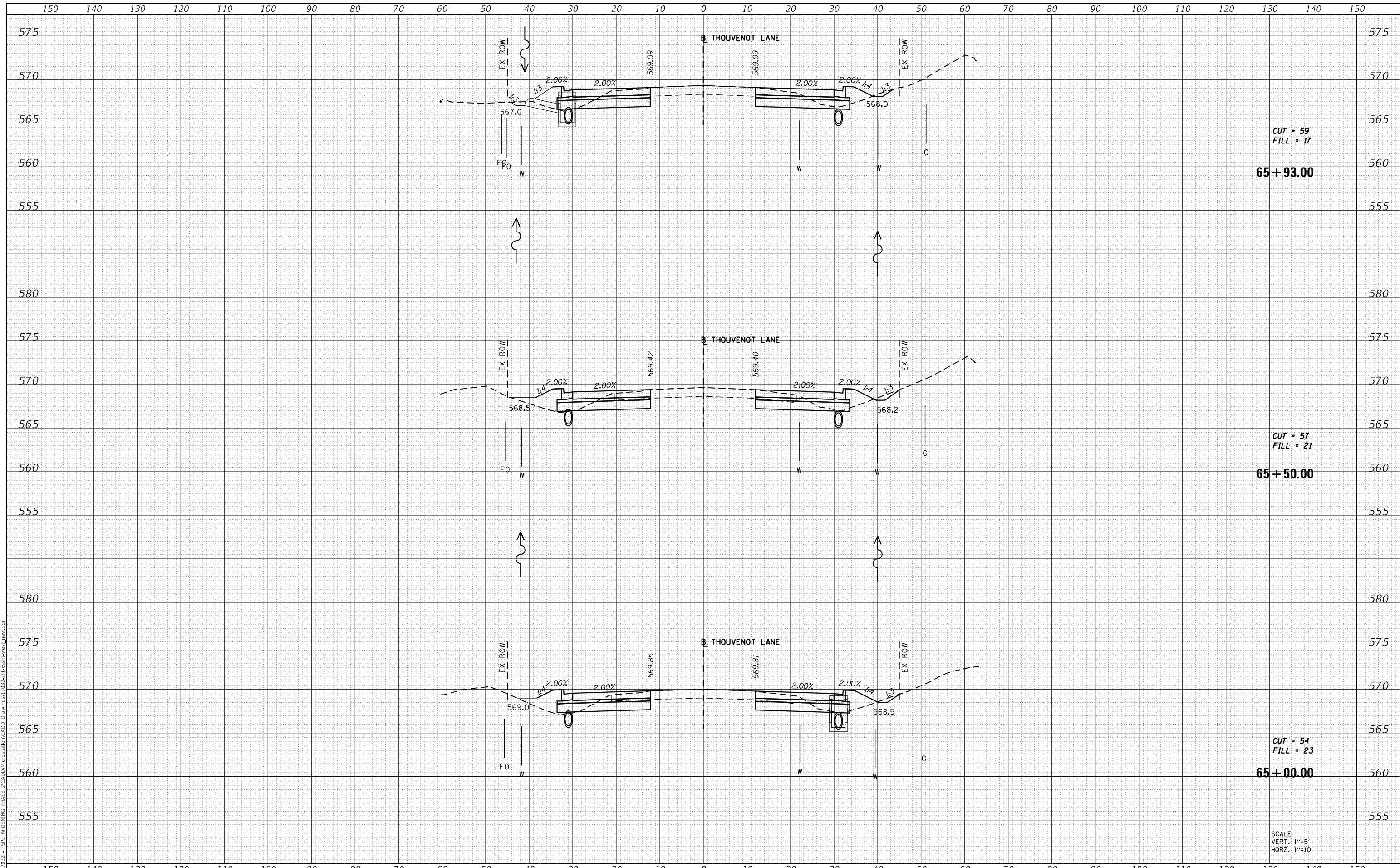
SCALE: SHEET 7 OF 87 SHEETS STA. 64+00.00 TO STA. 64+66.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 171 |
| | | | CONTRACT NO. 97752 | |
| | | 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ss1-west_new.dgn



CUT = 59
 FILL = 17

65 + 93.00

CUT = 57
 FILL = 21

65 + 50.00

CUT = 54
 FILL = 23

65 + 00.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

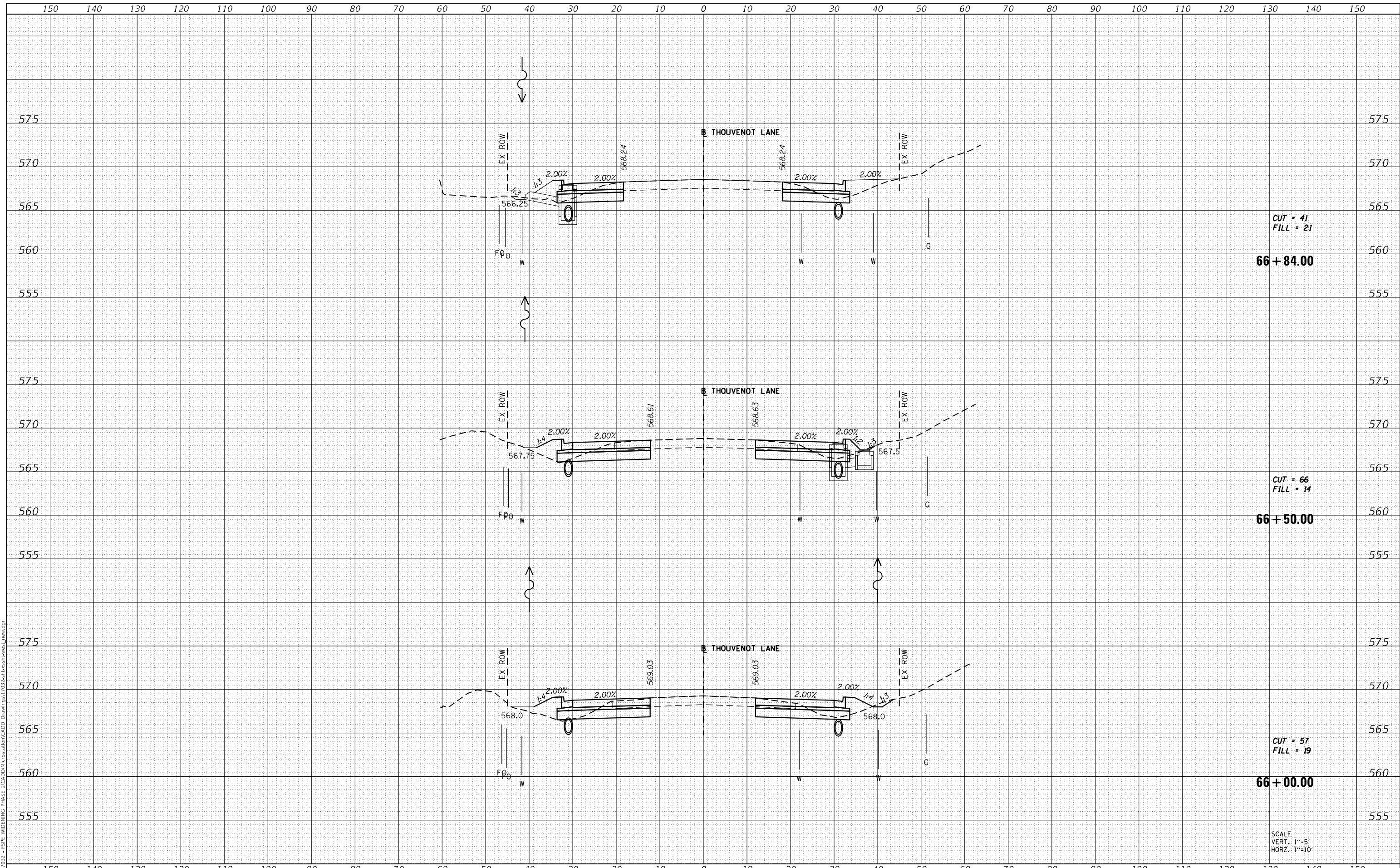
SCALE: SHEET 8 OF 87 SHEETS STA. 65+00.00 TO STA. 65+93.00

| | | | | |
|-------------|----------------|-----------|--------------|---------------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 172 |
| | | | | CONTRACT NO. 97752 |
| | | | | ILLINOIS FED. AID PROJECT |

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

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

MODEL: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

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| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

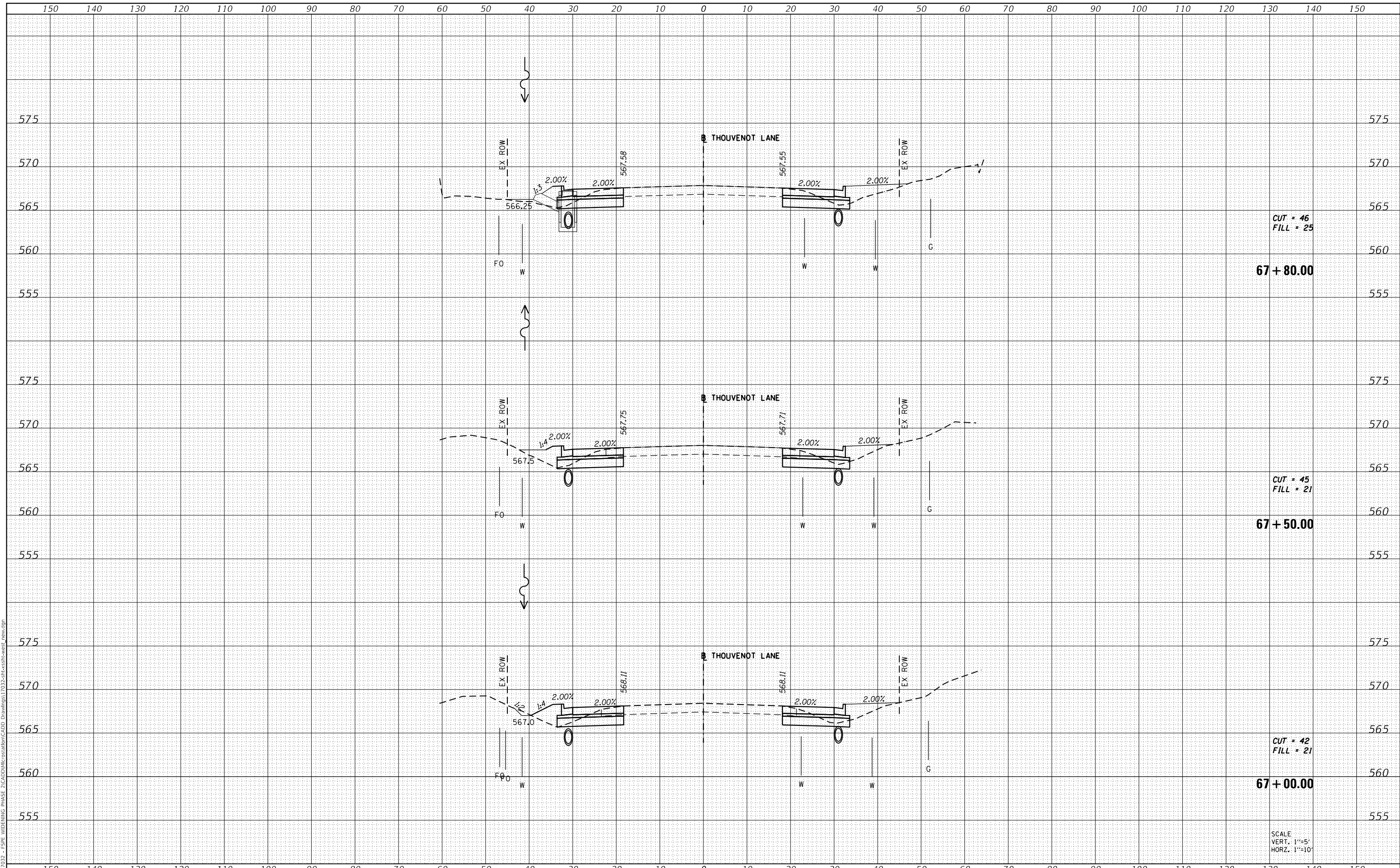
SCALE: SHEET 9 OF 87 SHEETS STA. 66+00.00 TO STA. 66+84.00

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 173 |
| | | | | CONTRACT NO. 97752 |
| 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. | |

MODEL: Defnair
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-sections.dwg



CUT = 46
 FILL = 25

67+80.00

CUT = 45
 FILL = 21

67+50.00

CUT = 42
 FILL = 21

67+00.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

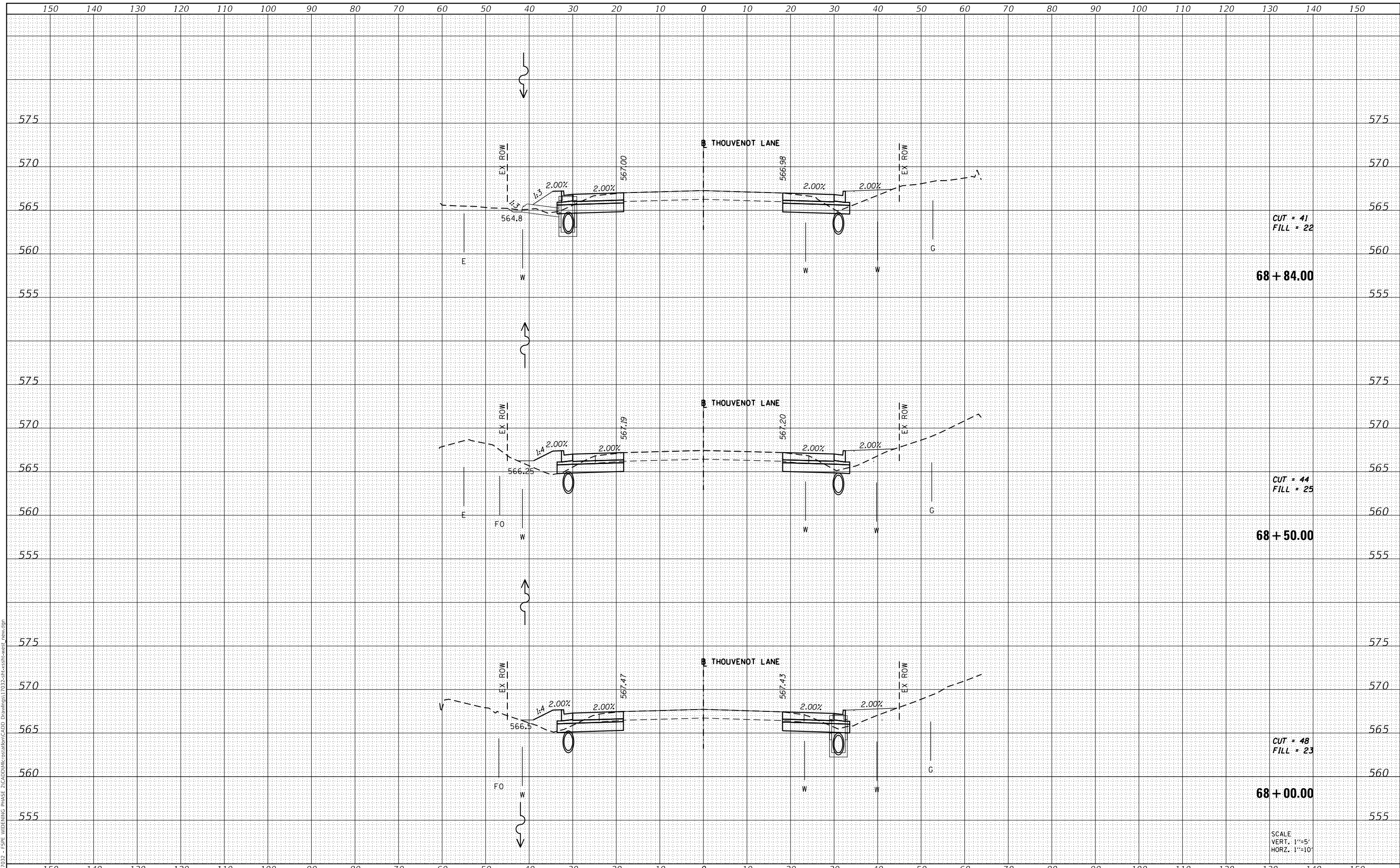
SCALE: SHEET 10 OF 87 SHEETS STA. 67+00.00 TO STA. 67+80.00

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|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 174 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | FED. AID PROJECT | | |

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

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-section-west_new.dgn



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|------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| PLOT SCALE | = 20.0000' / in. |
| PLOT DATE | = 10/18/2021 |

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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

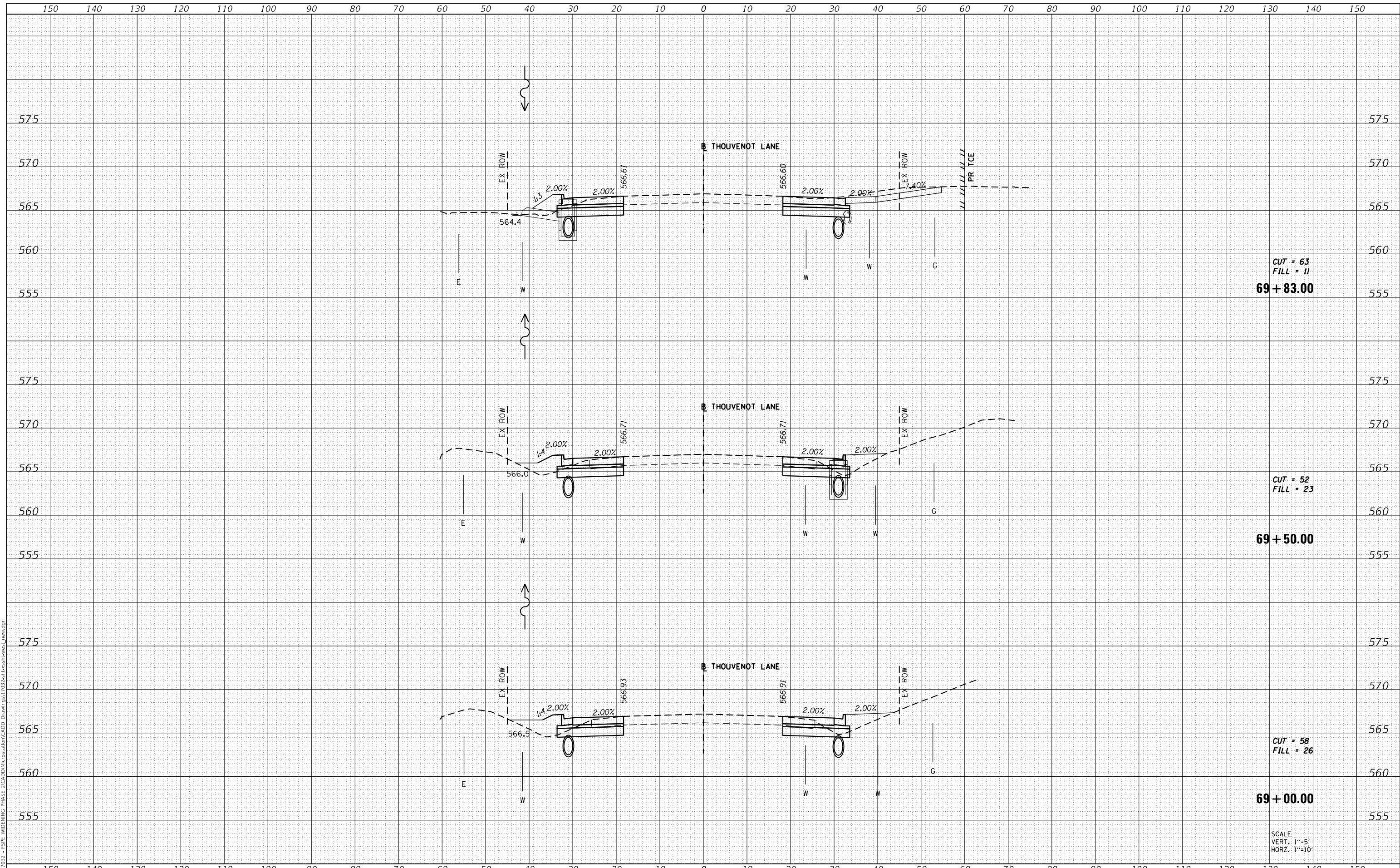
SCALE: SHEET 11 OF 87 SHEETS STA. 68+00.00 TO STA. 68+84.00

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 175 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | | | FED. AID PROJECT |

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| 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



CUT = 63
 FILL = 11
69 + 83.00

CUT = 52
 FILL = 23
69 + 50.00

CUT = 58
 FILL = 26
69 + 00.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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| REVISD | - |
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| REVISD | - |
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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

SCALE: SHEET 12 OF 87 SHEETS STA. 69+00.00 TO STA. 69+83.00

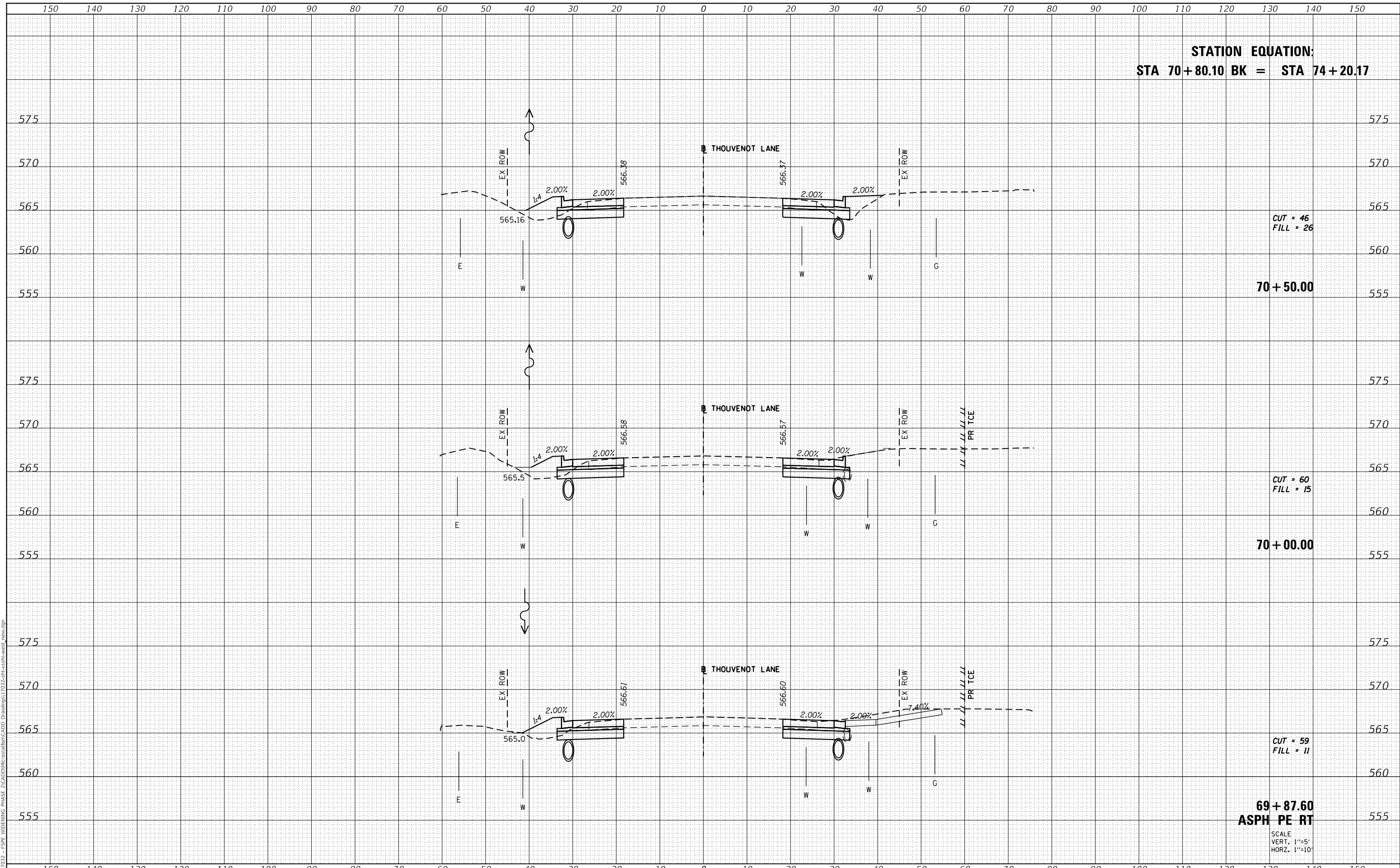
| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 176 |
| | | | | CONTRACT NO. 97752 |
| | | ILLINOIS | FED. AID PROJECT | |

STATION EQUATION:
 STA 70+80.10 BK = STA 74+20.17

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

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

MODEL: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ss15-west_new.dgn



CUT = 46
 FILL = 26

70+50.00

CUT = 60
 FILL = 15

70+00.00

CUT = 59
 FILL = 11

69+87.60
 ASPH PE RT

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|-------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

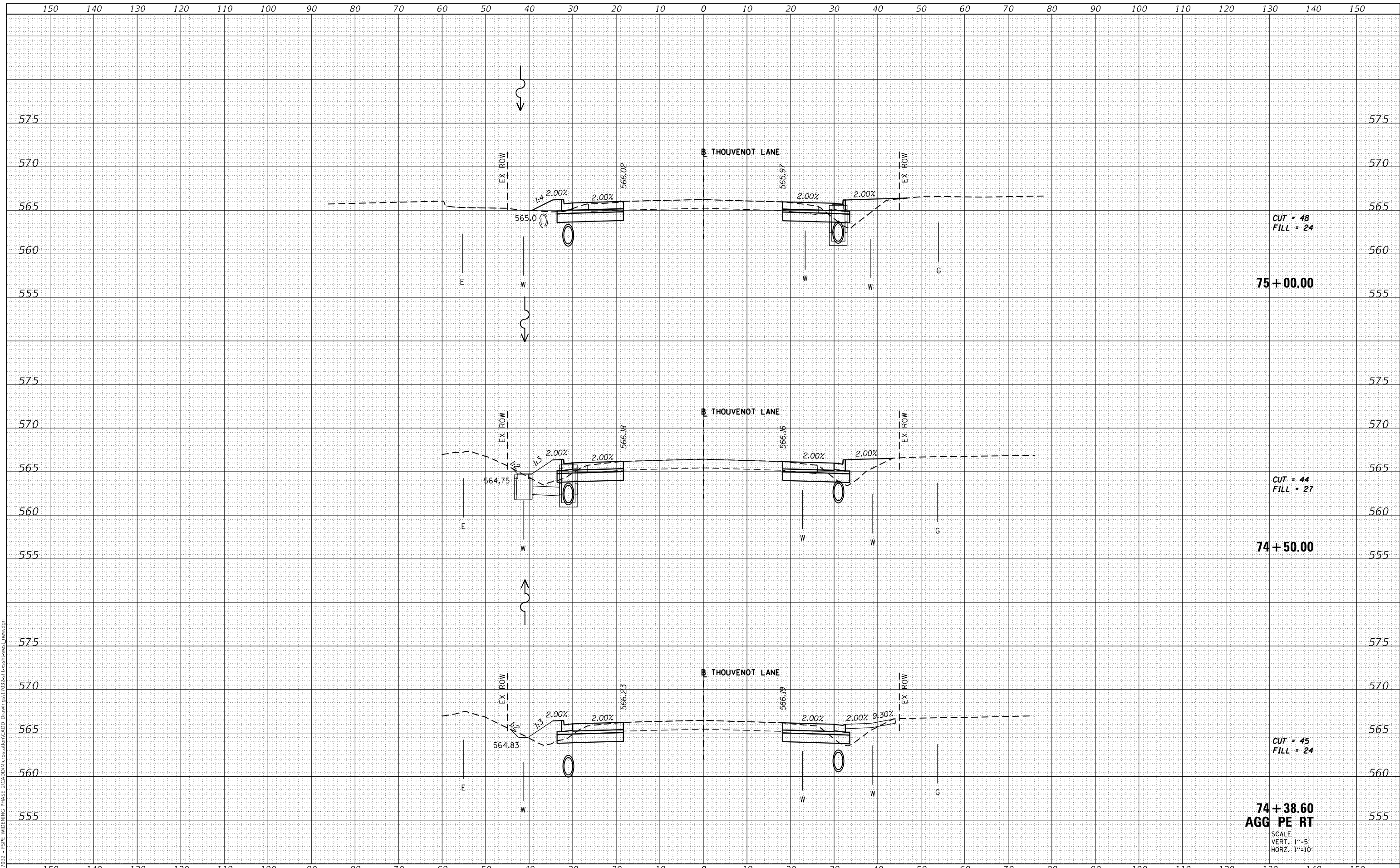
SCALE: SHEET 13 OF 87 SHEETS STA. 69+87.60 TO STA. 70+50.00

| | | | | |
|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 177 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | FED. AID PROJECT | | |

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

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

MODEL: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ss15-west_new.dgn



| | |
|-------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |
| REVISIED | - |

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

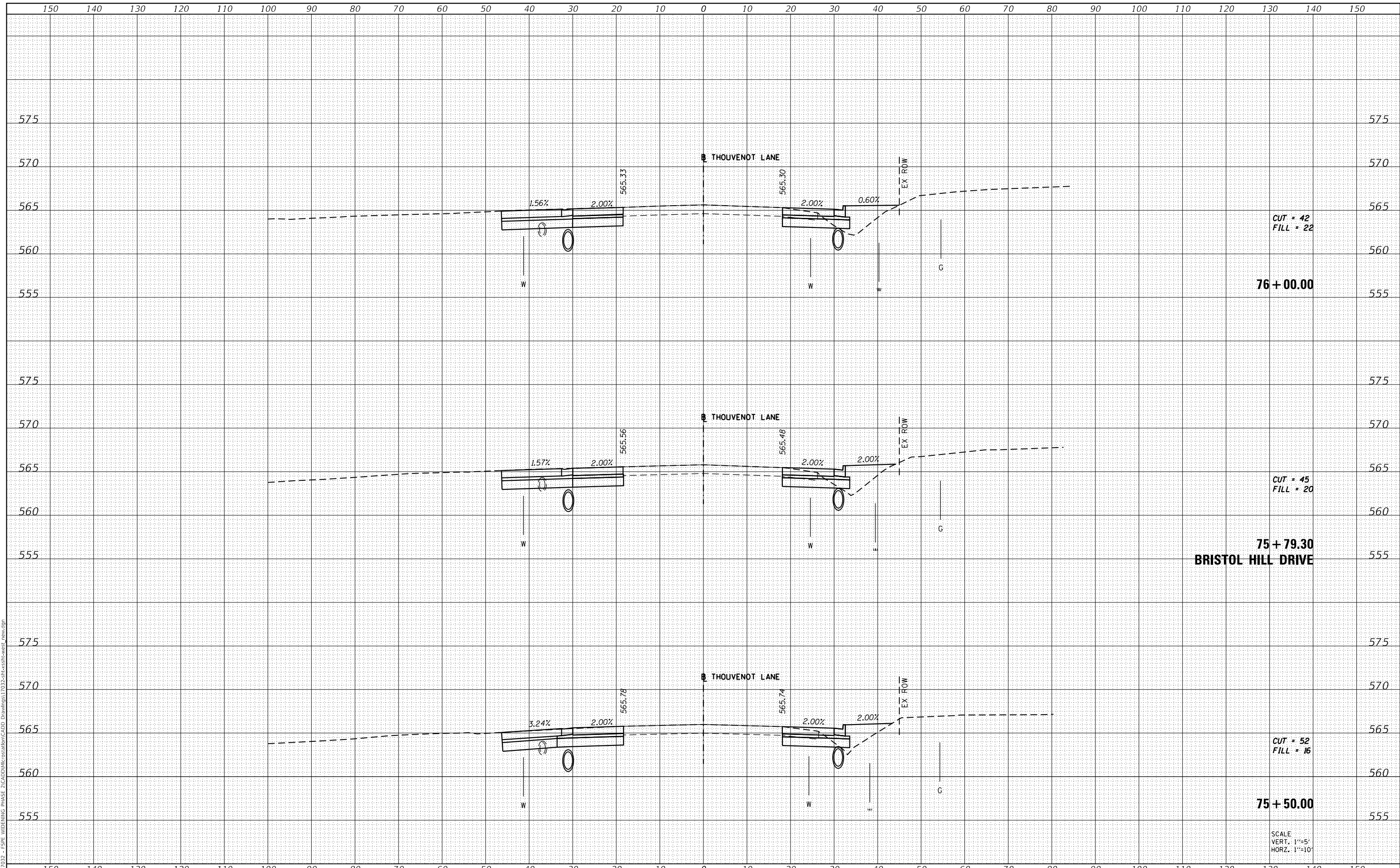
SCALE: SHEET 14 OF 87 SHEETS STA. 74+38.60 TO STA. 75+00.00

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 178 |
| | | | | CONTRACT NO. 97752 |
| 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\117032-arc-ssb-west_new.dgn



CUT = 42
 FILL = 22

CUT = 45
 FILL = 20

CUT = 52
 FILL = 16

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



| | |
|-------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000 ' / in. |
| PLLOT DATE | = 10/18/2021 |

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

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

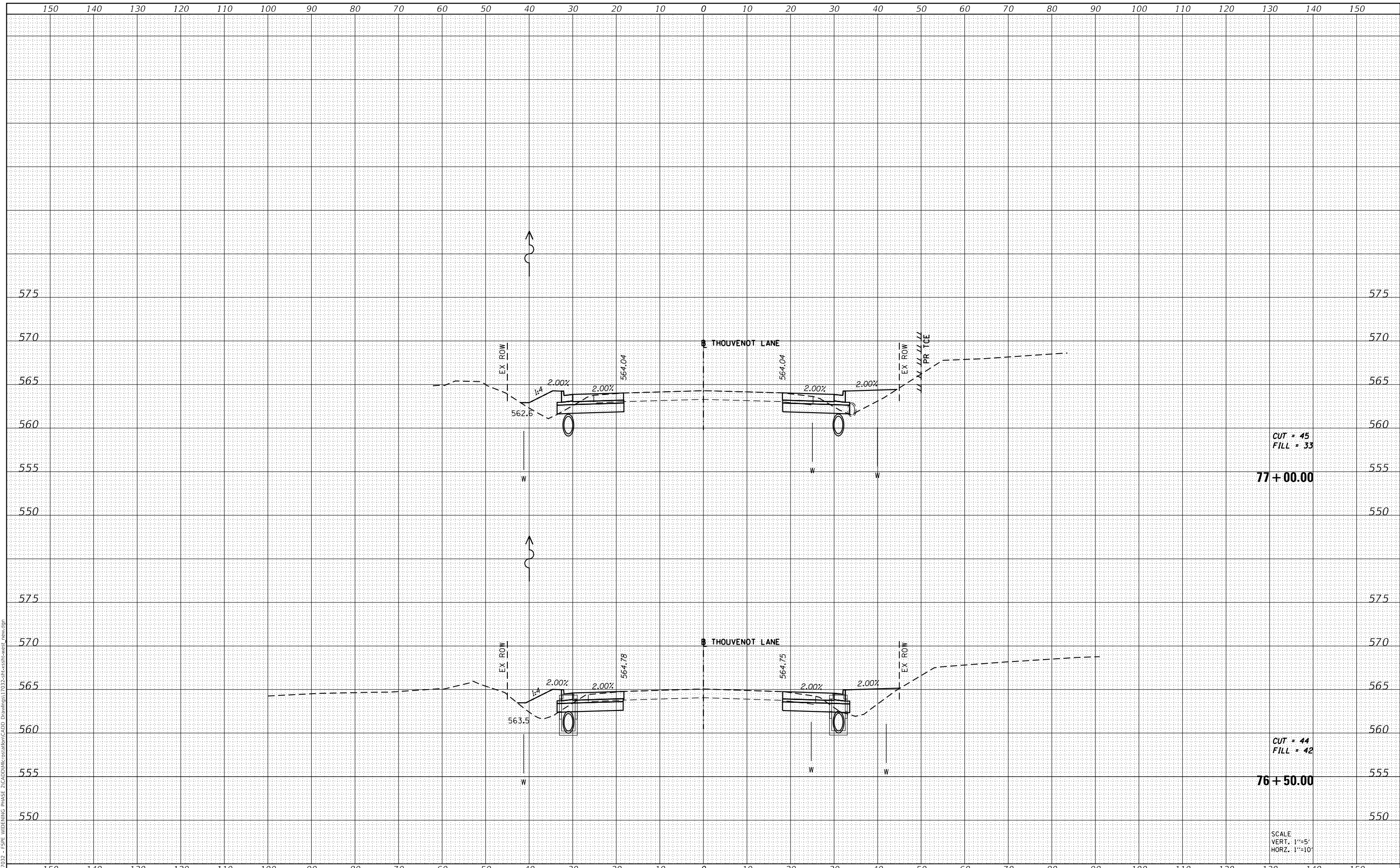
SCALE: SHEET 15 OF 87 SHEETS STA. 75+50.00 TO STA. 76+00.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 179 |
| | | | | CONTRACT NO. 97752 |
| | | ILLINOIS | FED. AID PROJECT | |

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

MODEL: Defnair
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ss1-west_new.dgn



CUT = 45
 FILL = 33
77+00.00

CUT = 44
 FILL = 42
76+50.00

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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

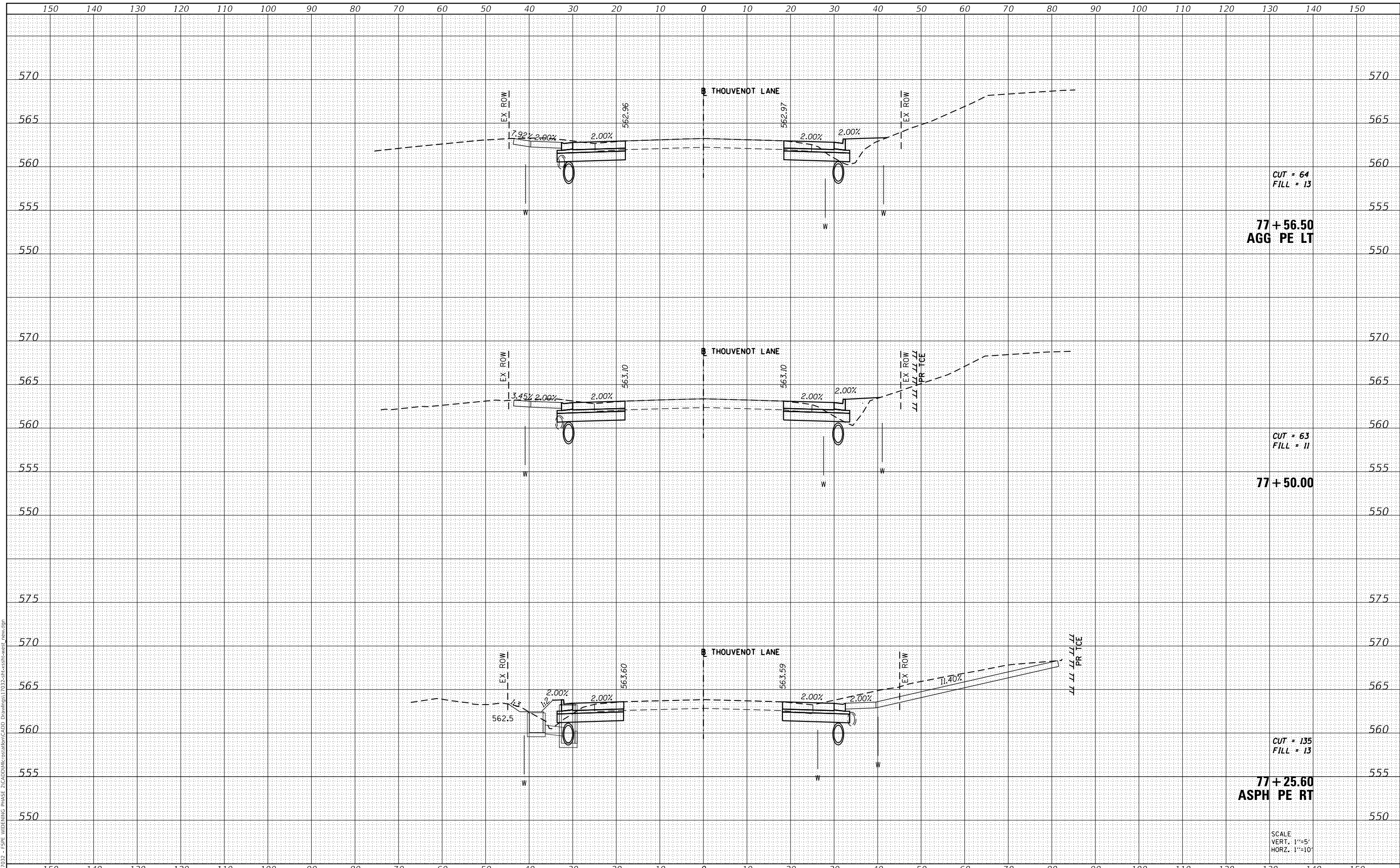
SCALE: SHEET 16 OF 87 SHEETS STA. 76+50.00 TO STA. 77+00.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 180 |
| | | | | CONTRACT NO. 97752 |
| | | 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



CUT = 64
 FILL = 13

77+56.50
 AGG PE LT

CUT = 63
 FILL = 11

77+50.00

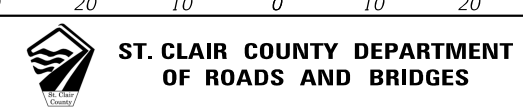
CUT = 135
 FILL = 13

77+25.60
 ASPH PE RT

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | | |
|-----------------------------|------------|-----------|
| USER NAME = scott.felot | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 10/18/2021 | DATE - | REVISED - |



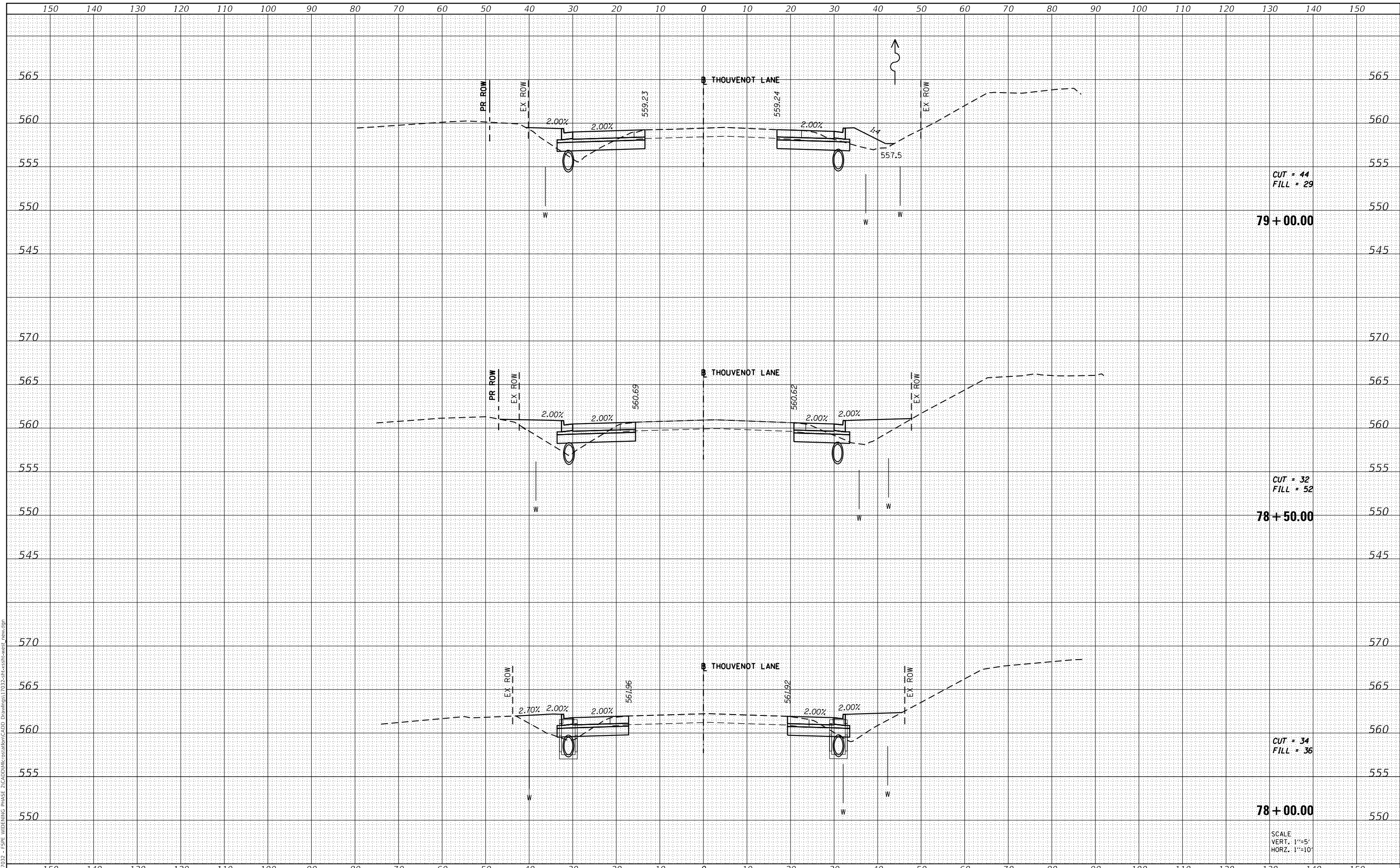
| | | | |
|----------------|----------|--------------|--------------------------------|
| CROSS SECTIONS | | | |
| SCALE: | SHEET 17 | OF 87 SHEETS | STA. 77+25.60 TO STA. 77+56.50 |

| | | | | |
|------------------|------------------------|------------------|------------------|---------------------------|
| F.A.U. RTE. 9330 | SECTION 13-00301-15-PW | COUNTY ST. CLAIR | TOTAL SHEETS 251 | SHEET NO. 181 |
| | | | | CONTRACT NO. 97752 |
| | | | | 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: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ss18-west_new.dgn



CUT = 44
 FILL = 29

79 + 00.00

CUT = 32
 FILL = 52

78 + 50.00

CUT = 34
 FILL = 36

78 + 00.00

SCALE
 VERT. 1"=5'
 HORIZ. 1"=10'



| | |
|------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

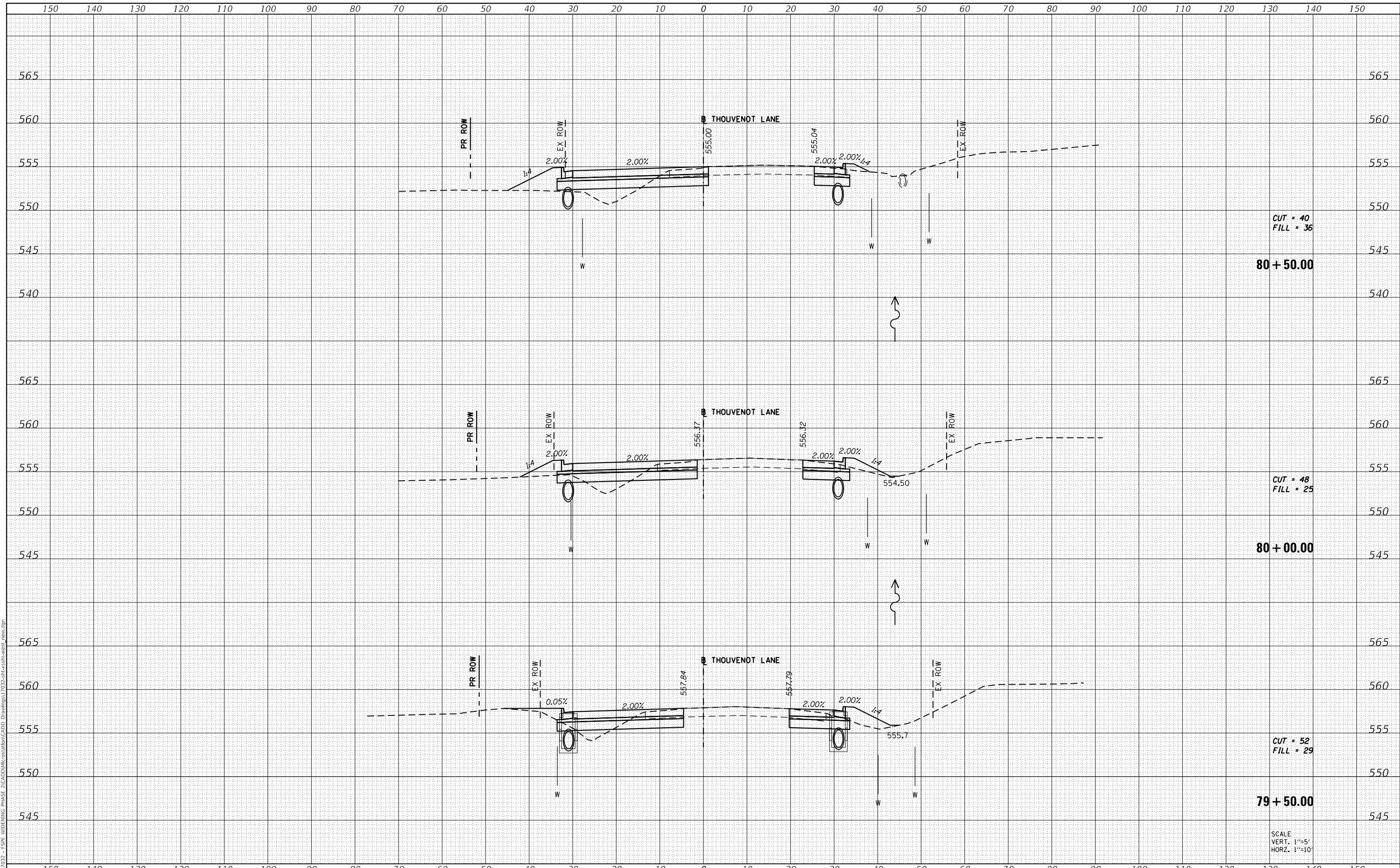
SCALE: SHEET 18 OF 87 SHEETS STA. 78+00.00 TO STA. 79+00.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 182 |
| | | | CONTRACT NO. 97752 | |
| | | 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



CUT = 40
 FILL = 36

80 + 50.00

CUT = 48
 FILL = 25

80 + 00.00

CUT = 52
 FILL = 29

79 + 50.00

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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

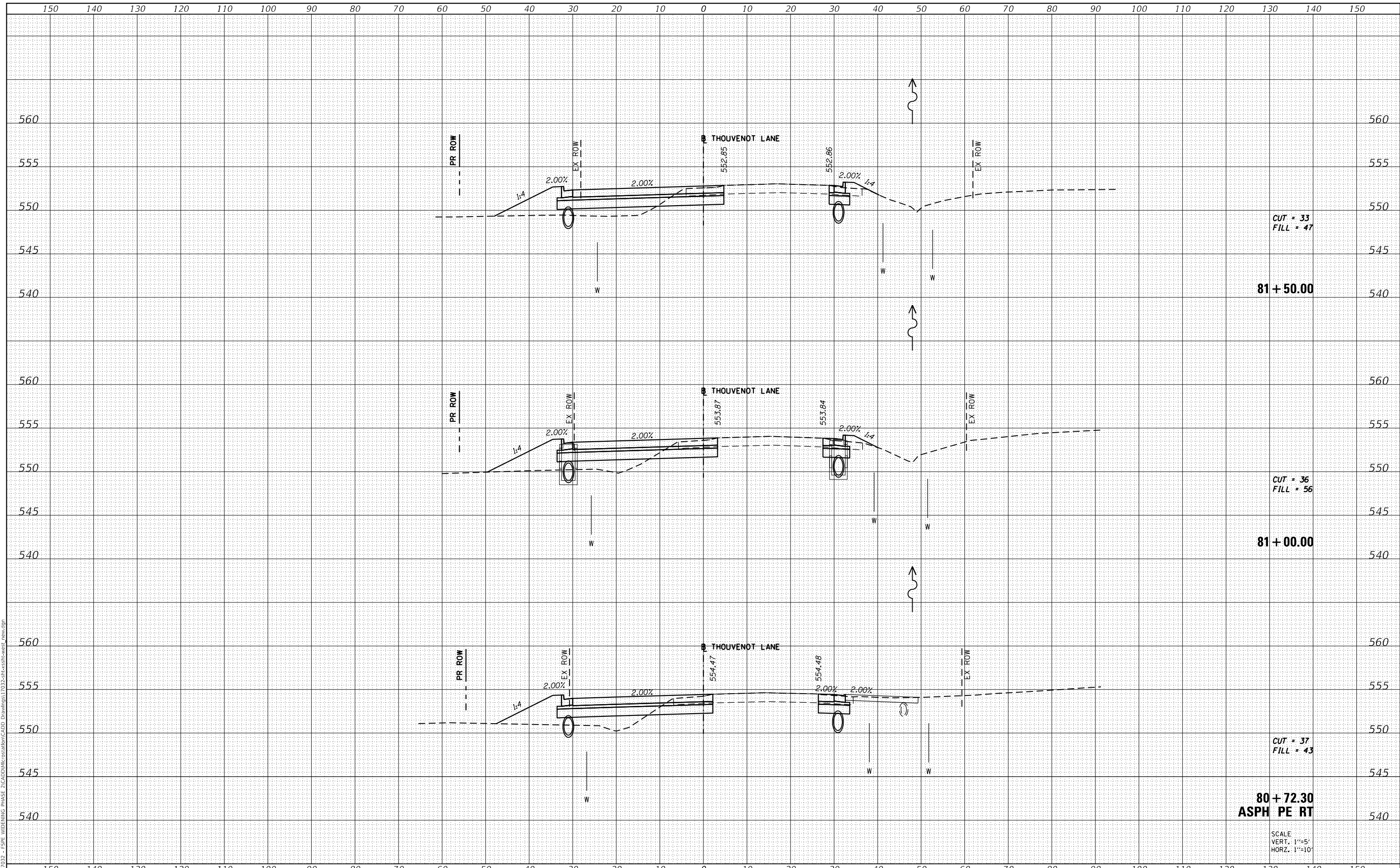
SCALE: SHEET 19 OF 87 SHEETS STA. 79+50.00 TO STA. 80+50.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 183 |
| | | | | CONTRACT NO. 97752 |
| | | 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| 1 | REVISION |
| 2 | REVISION |
| 3 | REVISION |
| 4 | REVISION |
| 5 | REVISION |

| | |
|-----------|----------|
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| 1 | REVISION |
| 2 | REVISION |
| 3 | REVISION |
| 4 | REVISION |
| 5 | REVISION |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

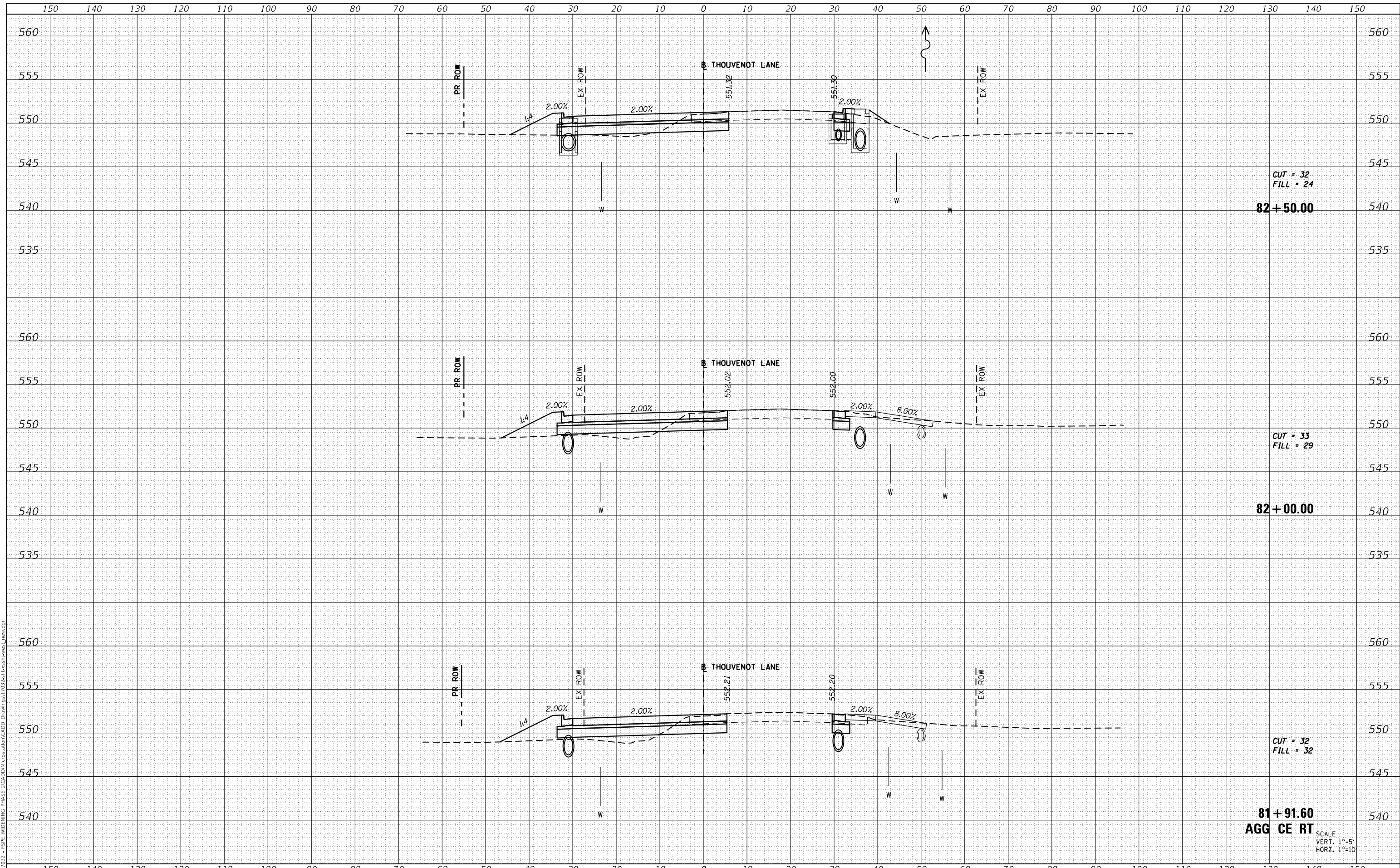
SCALE: SHEET 20 OF 87 SHEETS STA. 80+72.30 TO STA. 81+50.00

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 184 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | | | FED. AID PROJECT |

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

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

MODEL: Defnair
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-SSW-West_new.dgn



CUT = 32
 FILL = 24

82+50.00

CUT = 33
 FILL = 29

82+00.00

CUT = 32
 FILL = 32

81+91.60
 AGG CE RT

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



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
| DATE - | |
| PLOT SCALE = | 20.0000' / in. |
| PLOT DATE = | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

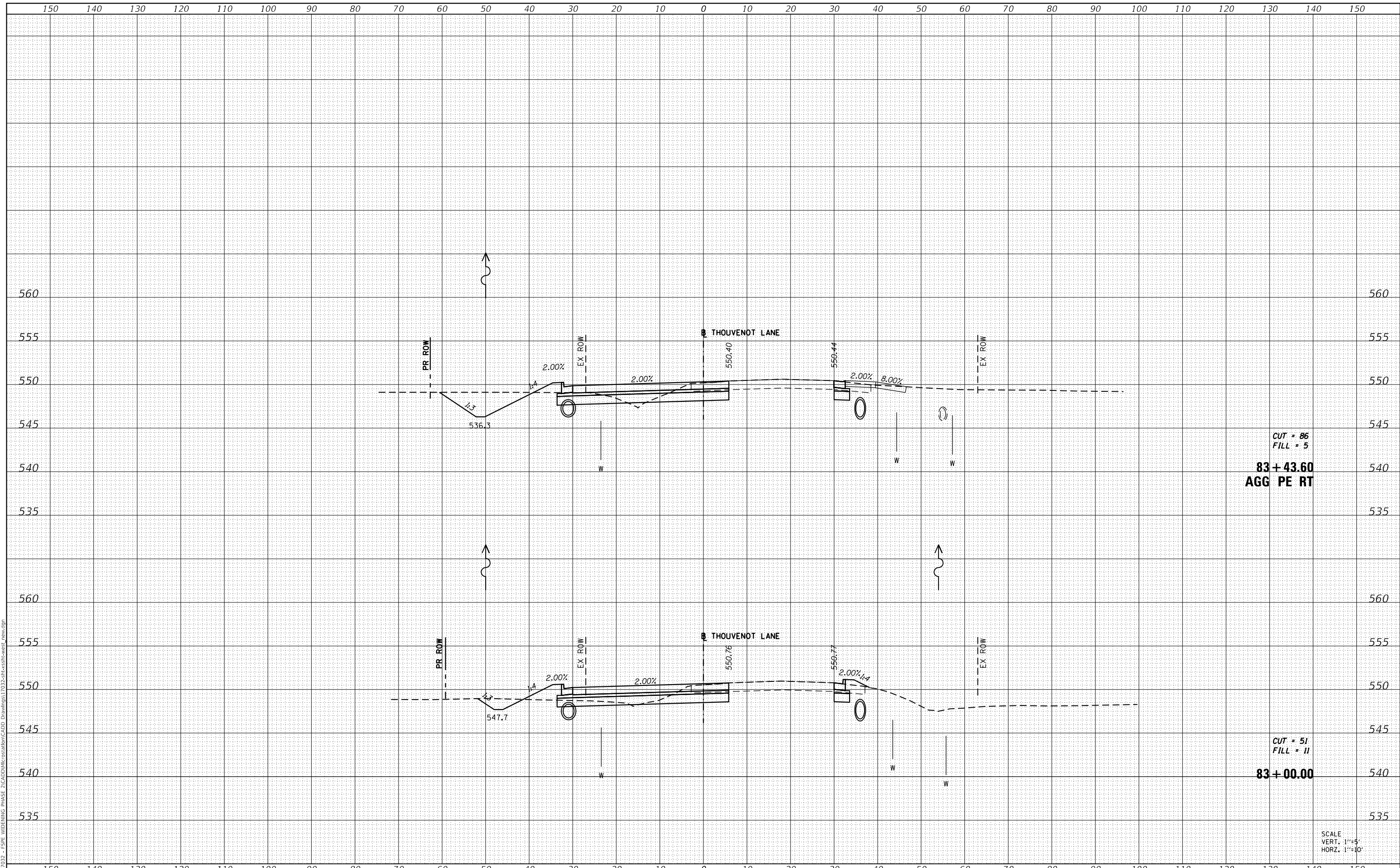
SCALE: SHEET 21 OF 87 SHEETS STA. 81+87.70 TO STA. 82+50.00

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|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 185 |
| | | | CONTRACT NO. 97752 | |
| | | 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ssb-west_new.dgn



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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
| DATE - | |
| PLOT SCALE = | 20.0000 ' / in. |
| PLOT DATE = | 10/18/2021 |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

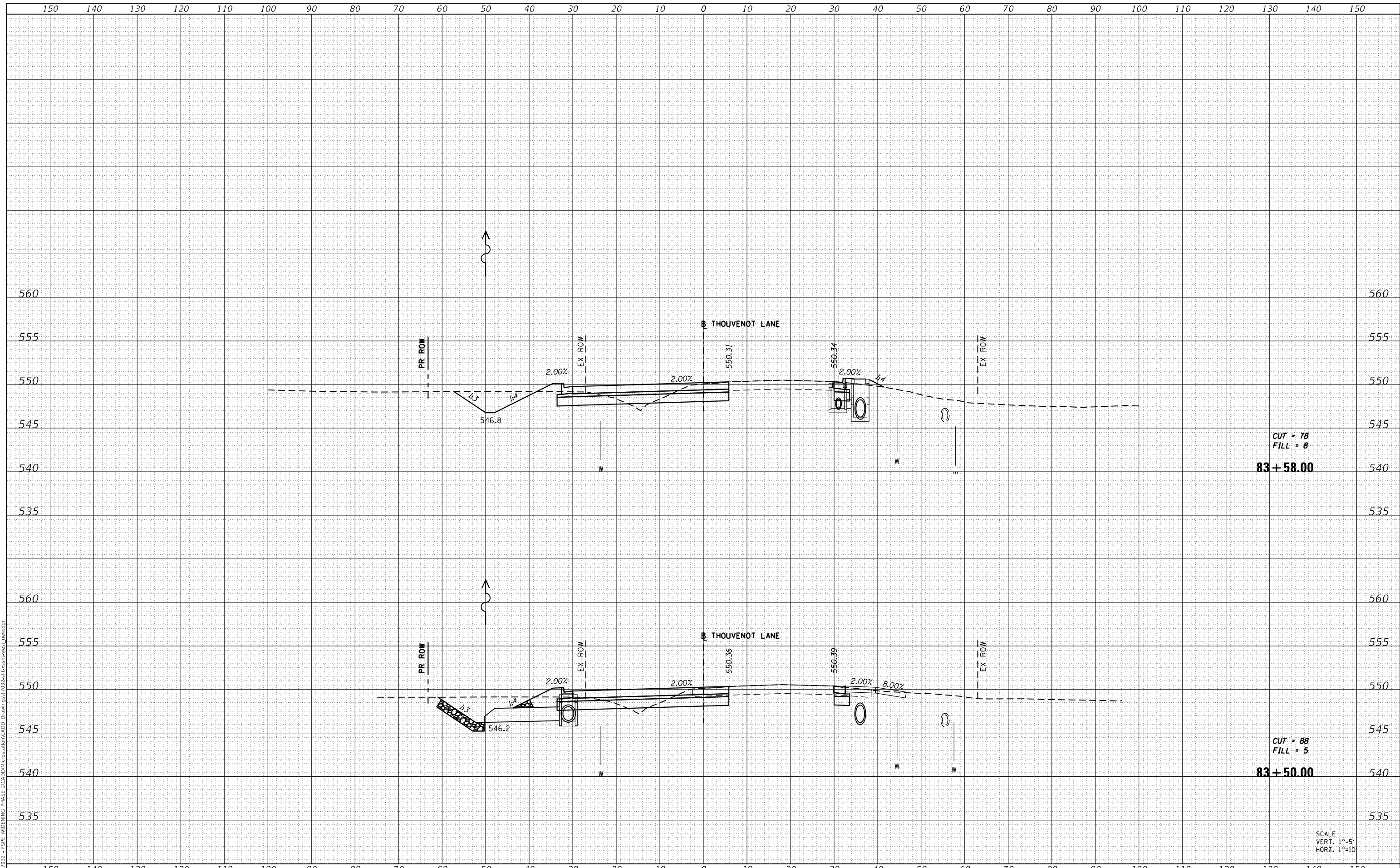
SCALE: SHEET 22 OF 87 SHEETS STA. 83+00.00 TO STA. 83+43.60

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 186 |
| | | | | CONTRACT NO. 97752 |
| 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. | |

MODEL: Defnair
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-CrossWest_new.dgn



CUT = 78
 FILL = 8
83 + 58.00

CUT = 88
 FILL = 5
83 + 50.00

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



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
| DATE - | |
| PLOT SCALE = | 20.0000' / in. |
| PLOT DATE = | 10/18/2021 |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

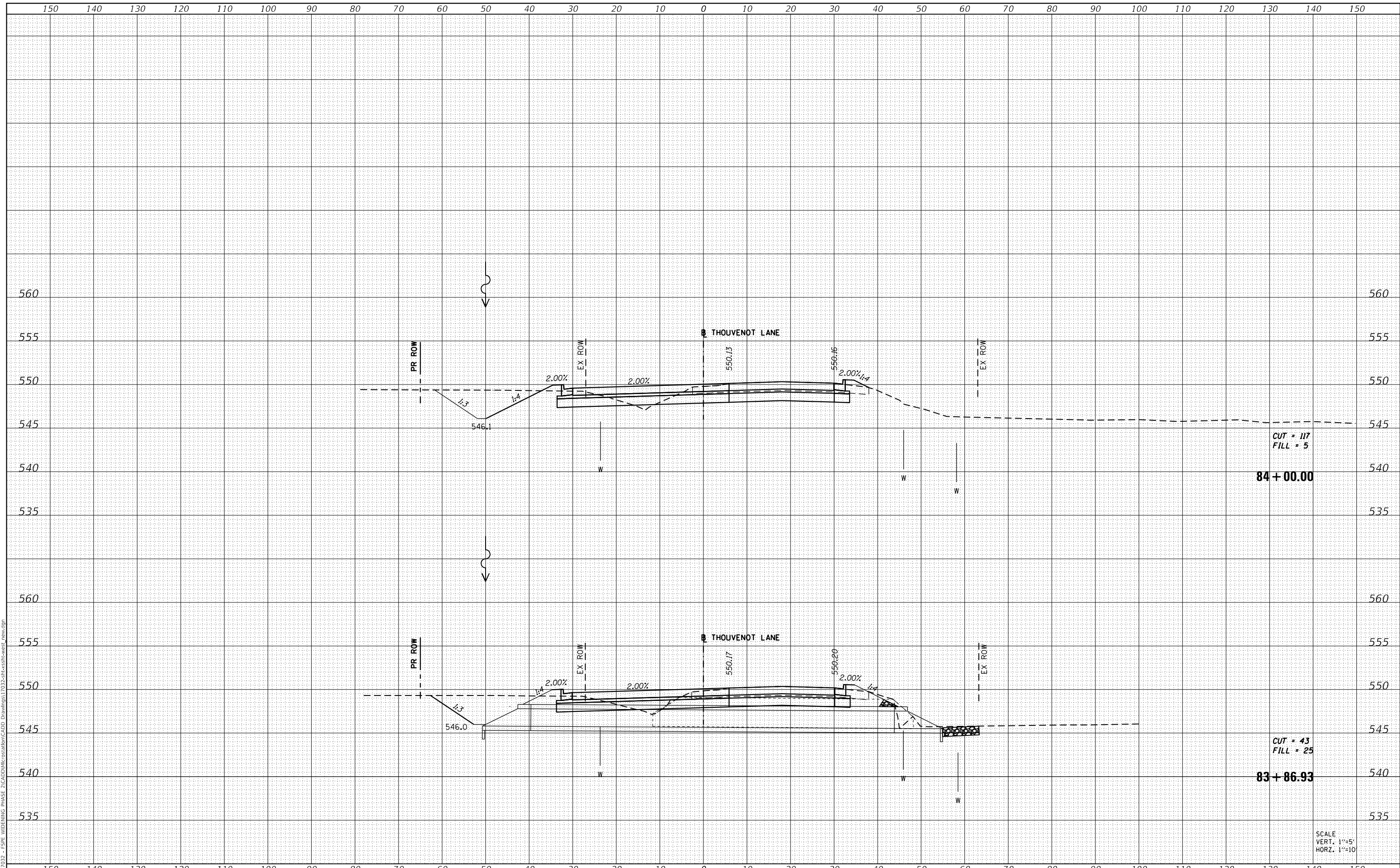
SCALE: SHEET 23 OF 87 SHEETS STA. 83+50.00 TO STA. 83+58.00

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|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 187 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

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

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

MODEL: Defnair
 FILE NAME: H:\11732 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11732-arc-ss1-west_new.dgn



| | |
|-------------|-------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
| DATE - | |

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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

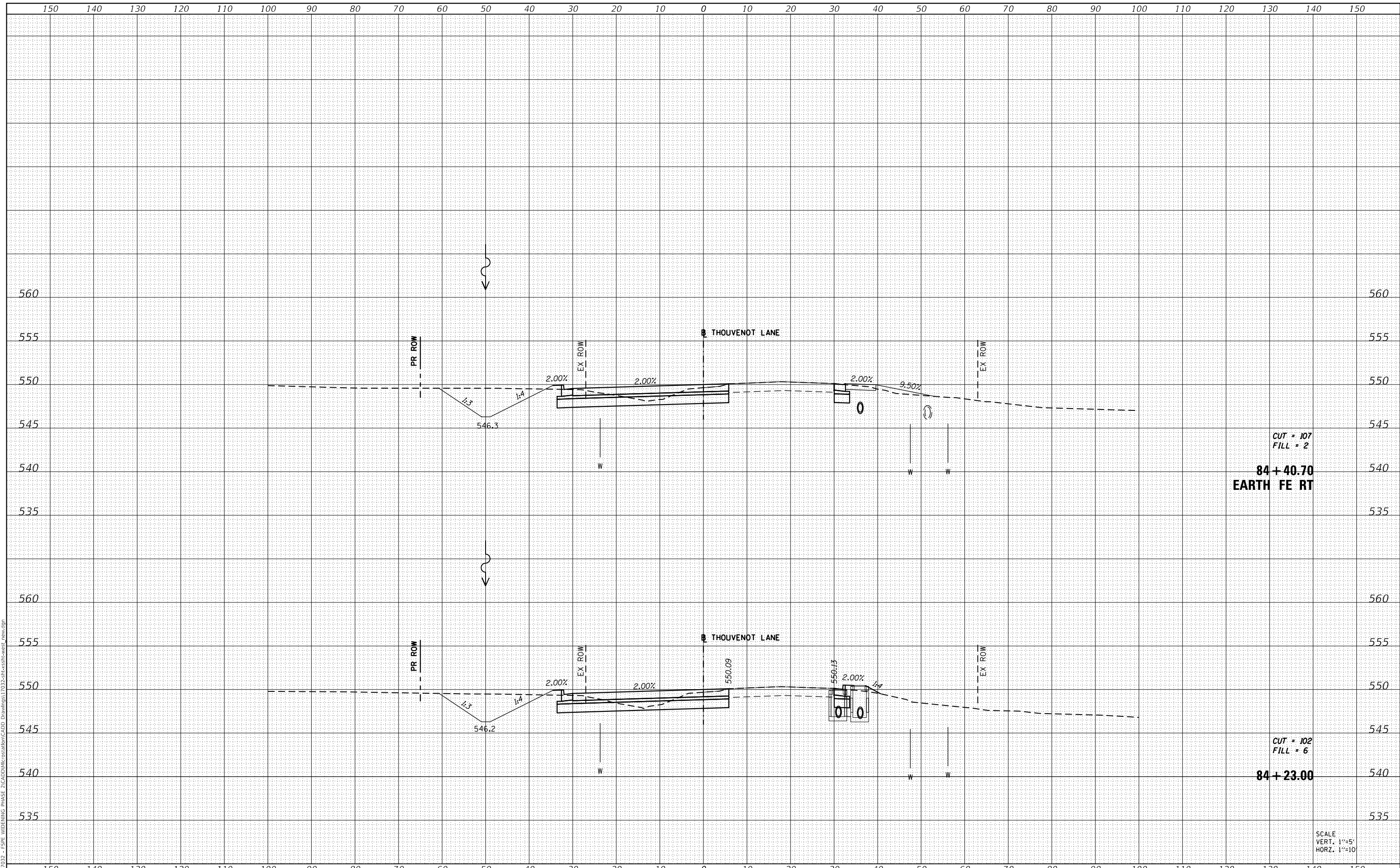
SCALE: SHEET 24 OF 87 SHEETS STA. 83+86.93 TO STA. 84+00.00

| | | | | |
|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 188 |
| CONTRACT NO. 97752 | | | 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-CL-RT-West_new.dgn



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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| REVISÉ | - |
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| REVISÉ | - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

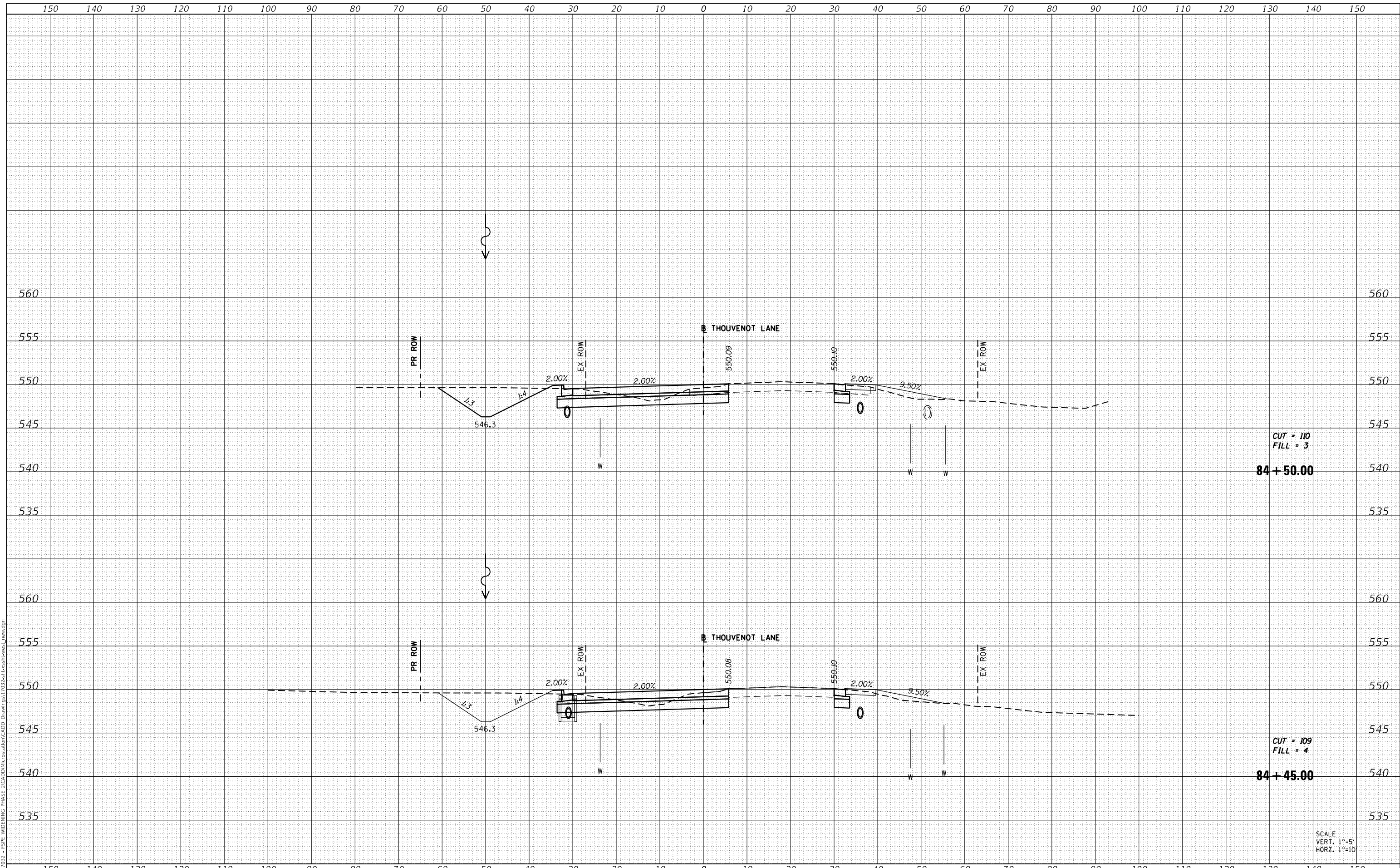
SCALE: SHEET 25 OF 87 SHEETS STA. 84+23.00 TO STA. 84+40.70

| | | | | |
|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 189 |
| CONTRACT NO. 97752 | | | 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: Defnair
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-st-clair-west_new.dgn



CUT = 110
 FILL = 3
 84 + 50.00

CUT = 109
 FILL = 4
 84 + 45.00

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



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
| DATE - | |
| PLOT SCALE = | 20.0000' / in. |
| PLOT DATE = | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

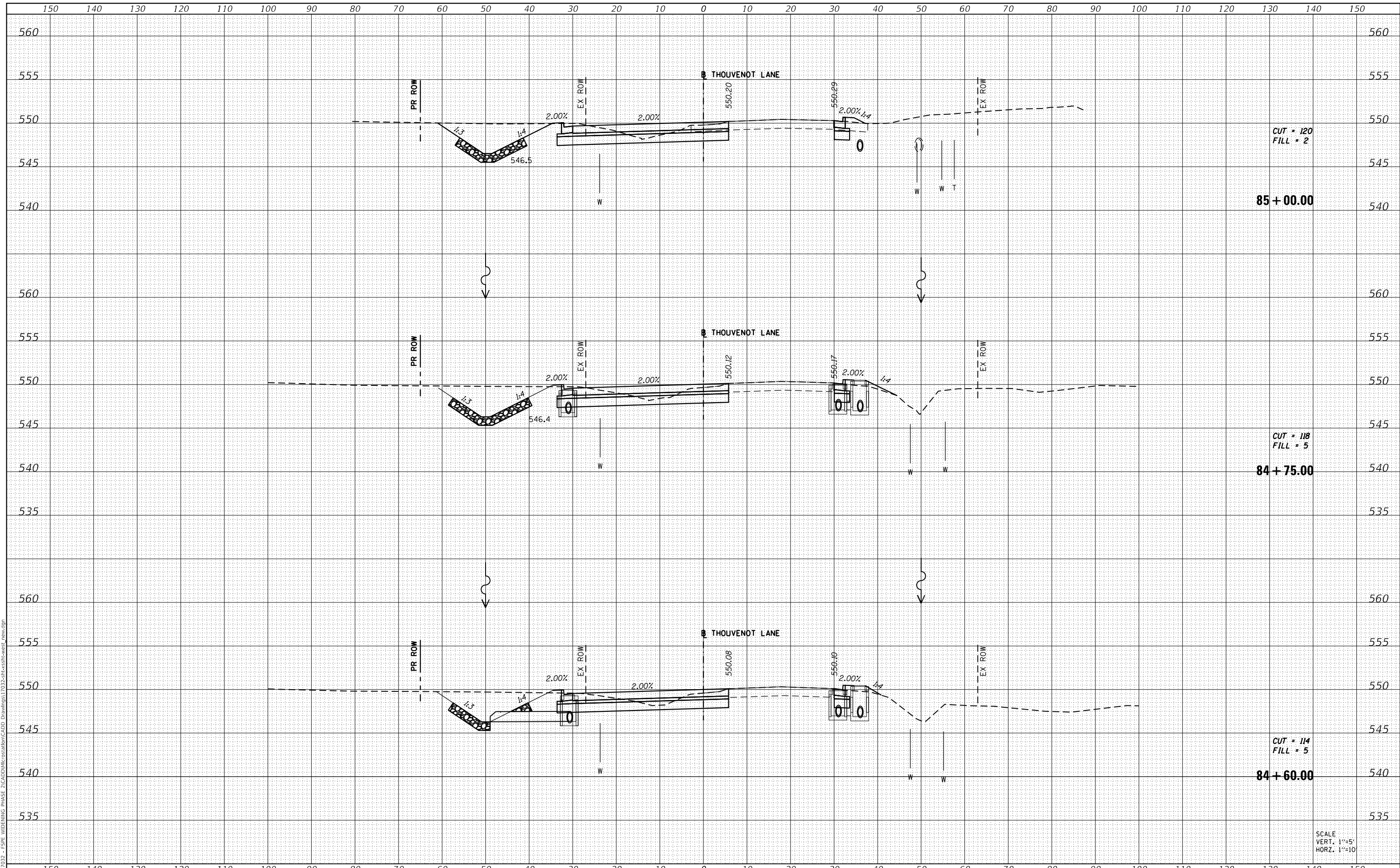
SCALE: SHEET 26 OF 87 SHEETS STA. 84+45.00 TO STA. 84+50.00

| | | | | |
|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 190 |
| CONTRACT NO. 97752 | | | 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-CL-SS-15-West_new.dgn



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



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| REVISED | - |
| REVISIONS | |
| REVISED | - |
| REVISIONS | |
| REVISED | - |
| REVISIONS | |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

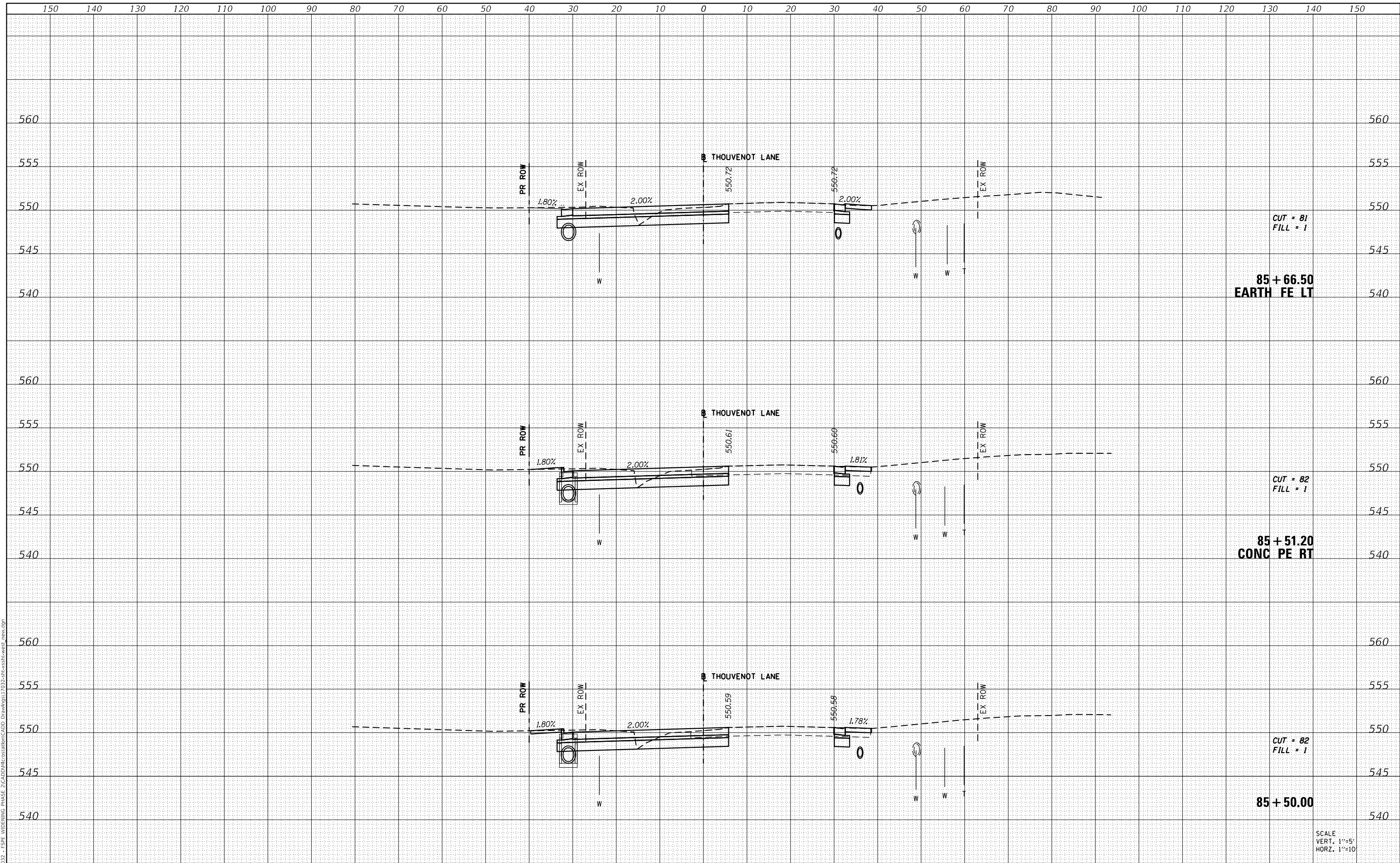
SCALE: SHEET 27 OF 87 SHEETS STA. 84+60.00 TO STA. 85+00.00

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 191 |
| | | | | CONTRACT NO. 97752 |
| 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: Definit
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-Section.dwg



CUT = 81
 FILL = 1
 85 + 66.50
 EARTH FE LT

CUT = 82
 FILL = 1
 85 + 51.20
 CONC PE RT

CUT = 82
 FILL = 1
 85 + 50.00

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



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| 1 | REVISION |
| 2 | REVISION |
| 3 | REVISION |
| 4 | REVISION |
| 5 | REVISION |

| | |
|-----------|----------|
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| 1 | REVISION |
| 2 | REVISION |
| 3 | REVISION |
| 4 | REVISION |
| 5 | REVISION |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

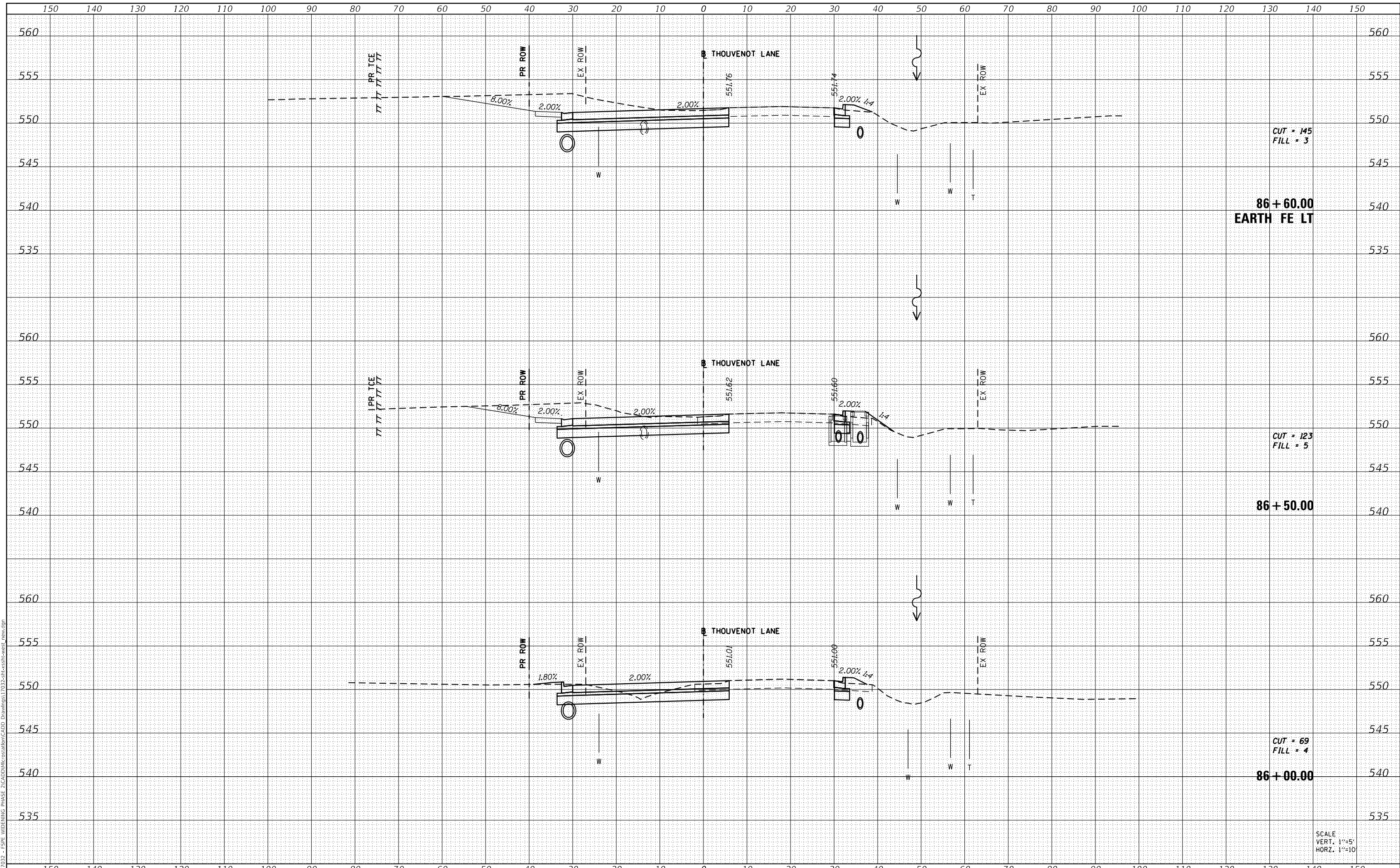
SCALE: SHEET 28 OF 87 SHEETS STA. 85+50.00 TO STA. 85+66.00

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 192 |
| CONTRACT NO. 97752 | | | | |
| 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ssb-west_new.dgn



| | |
|-------------|-------------|
| USER NAME = | scott.felot |
| DESIGNED - | REVISD - |
| DRAWN - | REVISD - |
| CHECKED - | REVISD - |
| DATE - | REVISD - |

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

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

| | | | |
|--------|--|-----------------------|--------------------------------|
| SCALE: | | SHEET 29 OF 87 SHEETS | STA. 86+00.00 TO STA. 86+60.00 |
|--------|--|-----------------------|--------------------------------|

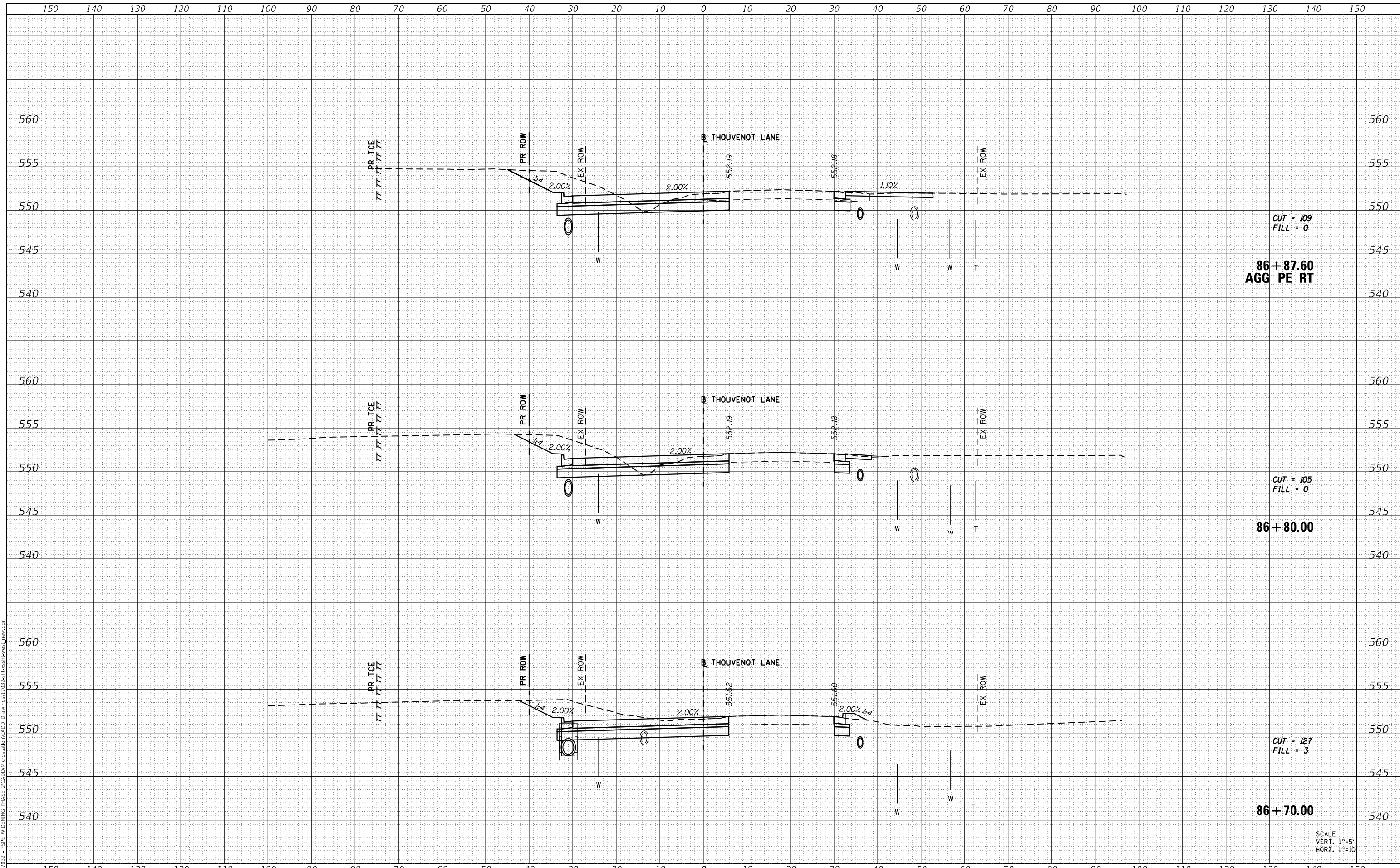
CROSS SECTIONS

| | | | | |
|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 193 |
| | | | | CONTRACT NO. 97752 |
| 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-section-west_new.dgn



CUT = 109
 FILL = 0
86 + 87.60
 AGG PE RT

CUT = 105
 FILL = 0
86 + 80.00

CUT = 127
 FILL = 3
86 + 70.00

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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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| REVISD - | |
| REVISD - | |
| REVISD - | |
| REVISD - | |



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

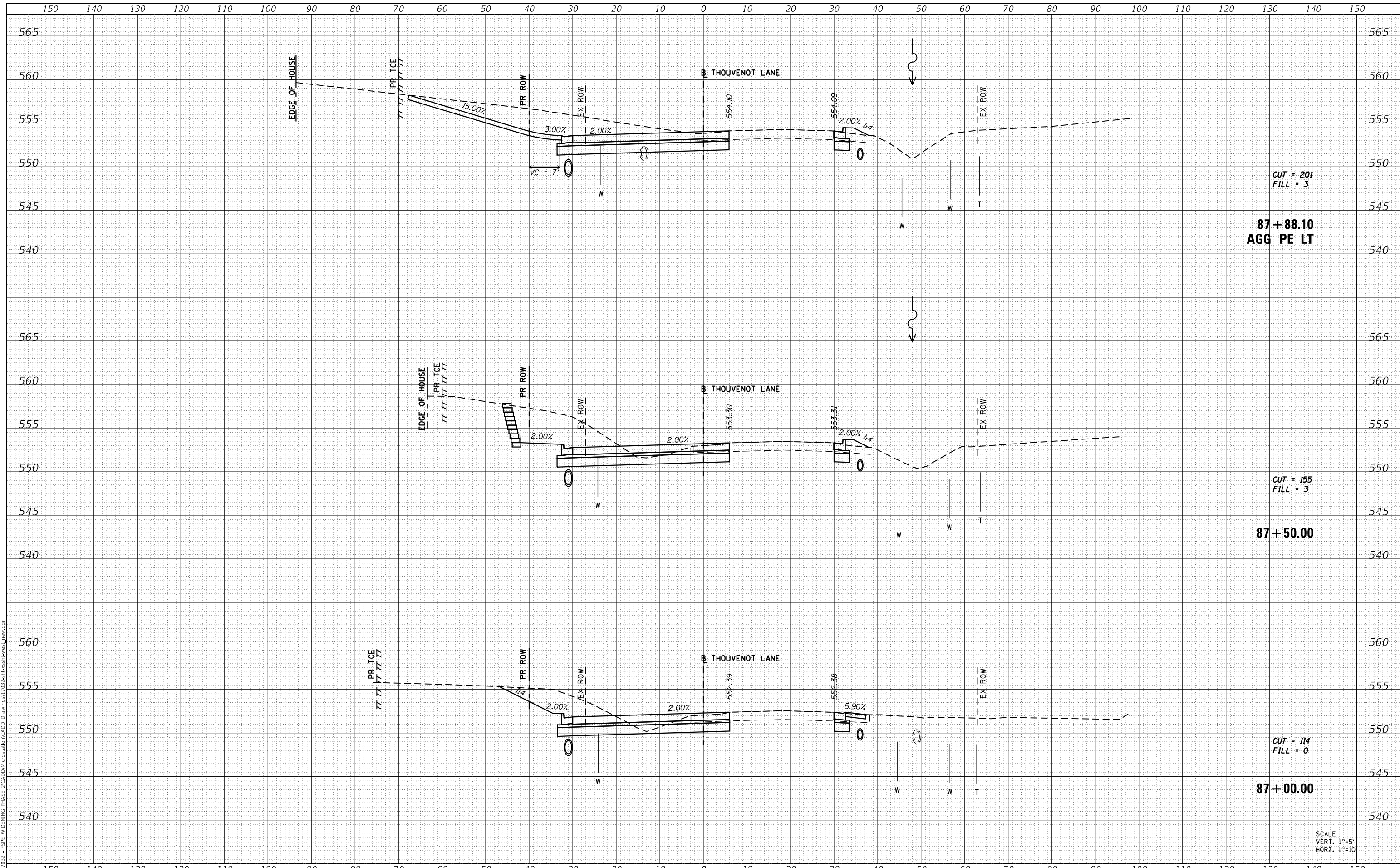
SCALE: SHEET 30 OF 87 SHEETS STA. 86+70.00 TO STA. 86+87.60

| | | | | |
|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 194 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | FED. AID PROJECT | | |

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-sections-west_new.dgn



CUT = 20'
 FILL = 3'
 87 + 88.10
 AGG PE LT

CUT = 155'
 FILL = 3'
 87 + 50.00

CUT = 114'
 FILL = 0'
 87 + 00.00

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



| | |
|------------|------------------|
| USER NAME | = scott.felot |
| PLOT SCALE | = 20.0000' / in. |
| PLOT DATE | = 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

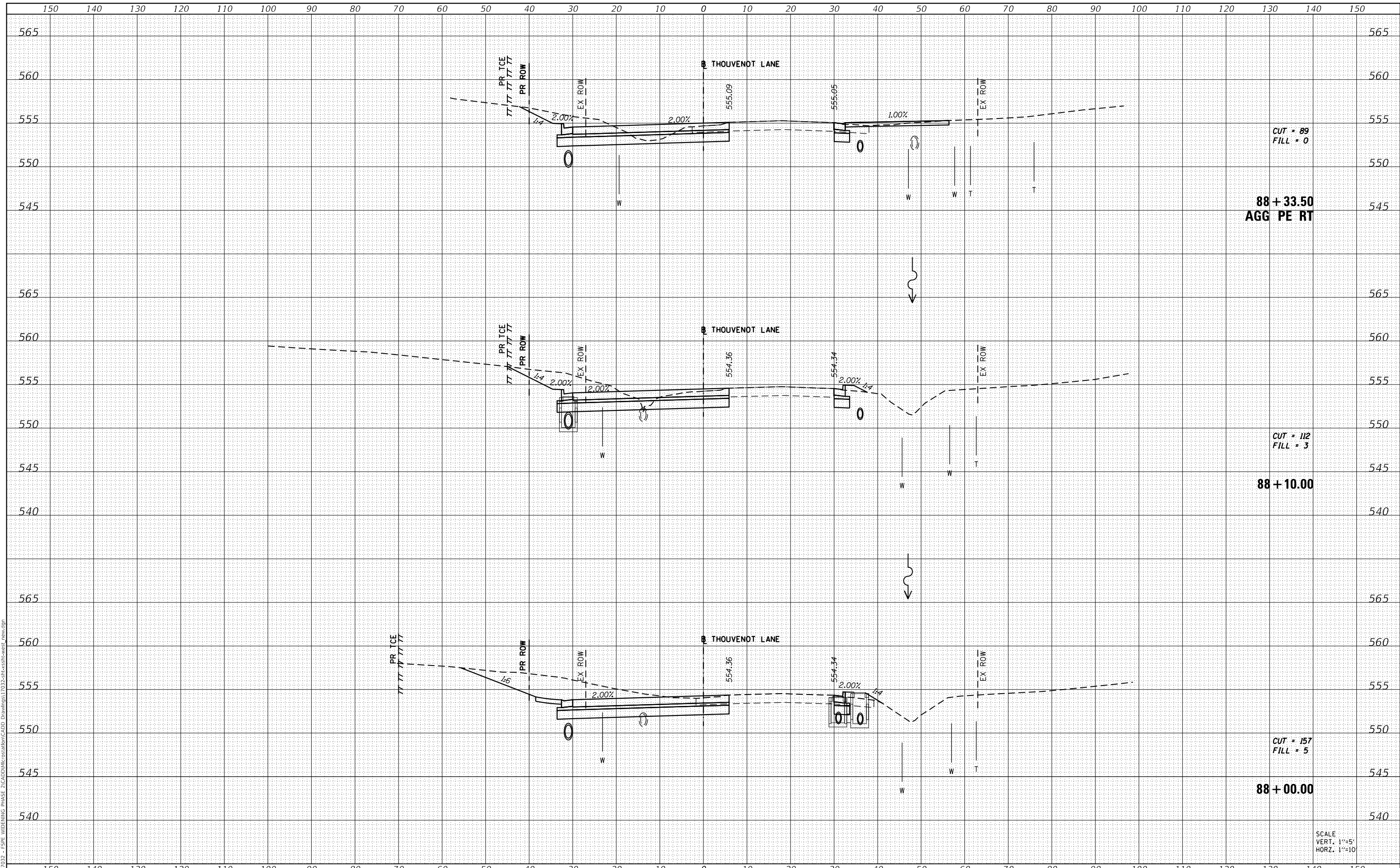
SCALE: SHEET 31 OF 87 SHEETS STA. 87+00.00 TO STA. 87+88.10

| | | | | |
|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 195 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | FED. AID PROJECT | | |

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|---------------|--|
| 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. | |

MODEL: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ss1-west_new.dgn



CUT = 89
 FILL = 0

88 + 33.50
 AGG PE RT

CUT = 112
 FILL = 3

88 + 10.00

CUT = 157
 FILL = 5

88 + 00.00

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



USER NAME = scott.felot
 PLOT SCALE = 20.0000 ' / in.
 PLOT DATE = 10/18/2021

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

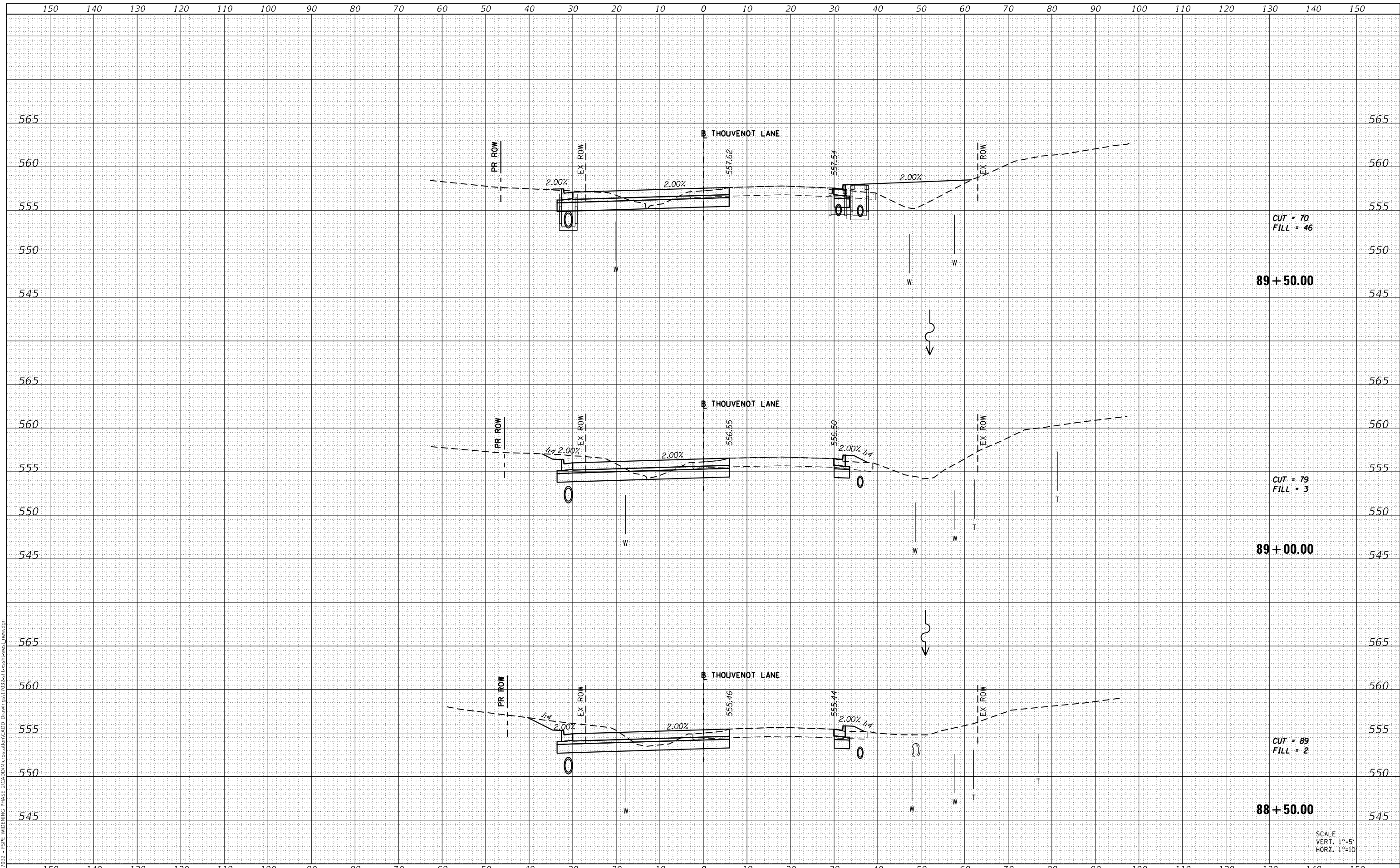
SCALE: SHEET 32 OF 87 SHEETS STA. 88+00.00 TO STA. 88+33.10

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|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 196 |
| | | | CONTRACT NO. 97752 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defnair
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-ar-clair-west_new.dgn



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



| | |
|-------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |
| REVISIED | - |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

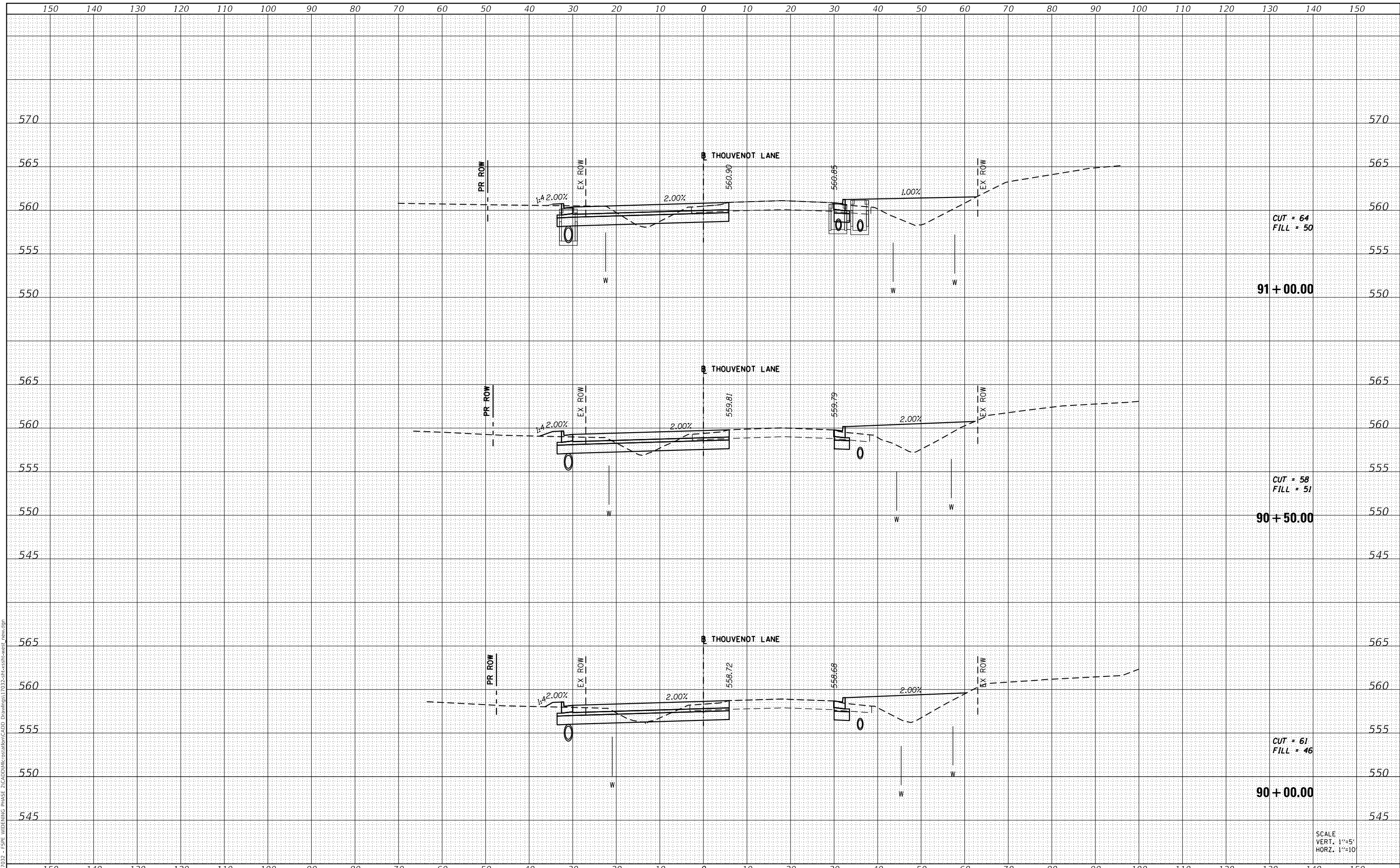
SCALE: SHEET 33 OF 87 SHEETS STA. 88+50.00 TO STA. 89+50.00

| | | | | |
|--------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 197 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



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



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

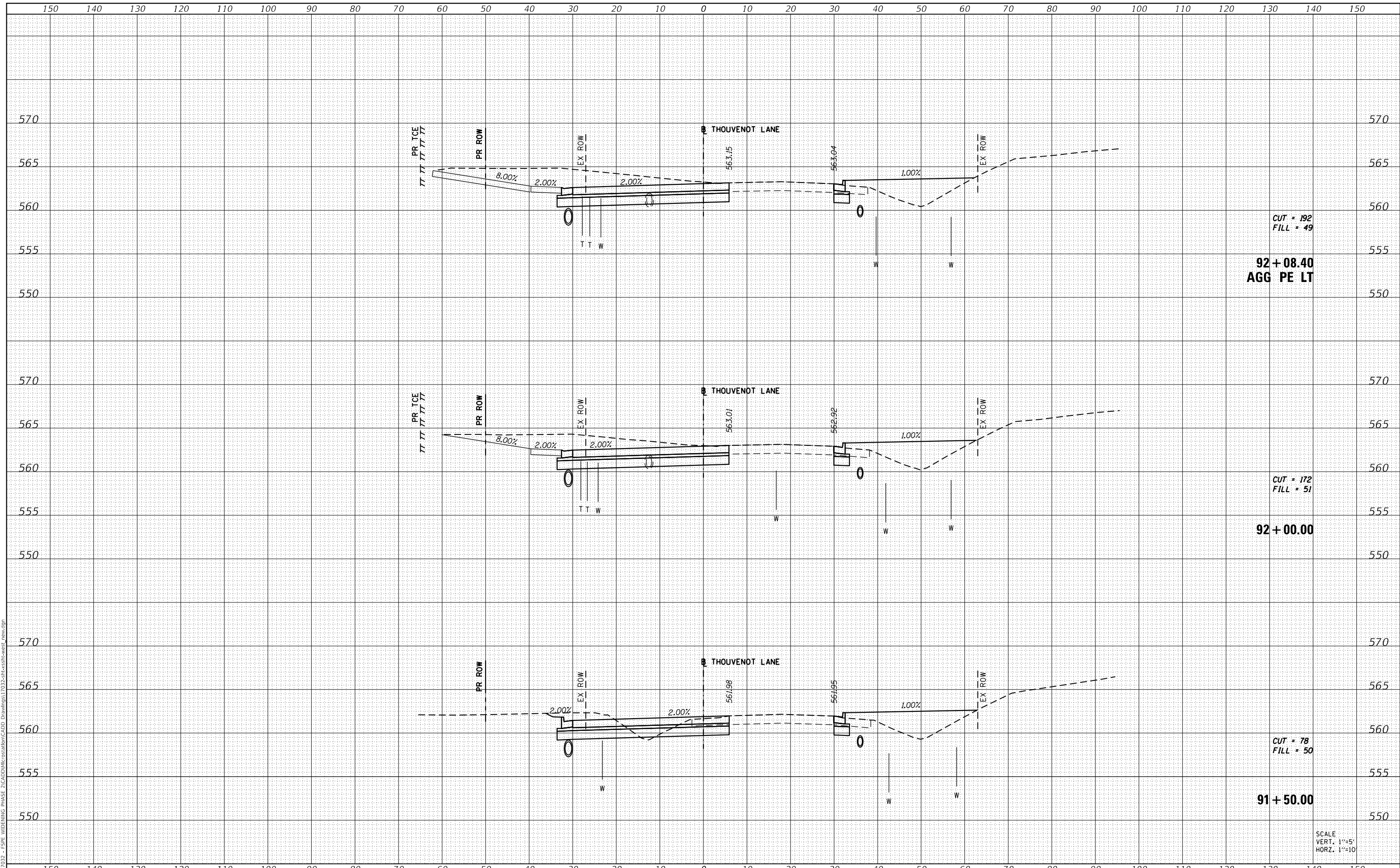
SCALE: SHEET 34 OF 87 SHEETS STA. 90+00.00 TO STA. 91+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 198 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

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| DATE | |
| BY | |
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| AREAS CHECKED | |
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| NOTE BOOK | |
| NO. | |

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| DATE | |
| BY | |
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| TEMPLATE | |
| AREAS CHECKED | |
| ORIGINAL SURVEY | |
| NOTE BOOK | |
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MODEL: Defaul
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-sections.dwg



CUT = 192
 FILL = 49
 92+08.40
 AGG PE LT

CUT = 172
 FILL = 51
 92+00.00

CUT = 78
 FILL = 50
 91+50.00

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



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 PLOT SCALE = 20.0000 ' / in.
 CHECKED -
 PLOT DATE = 10/18/2021
 DATE -

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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

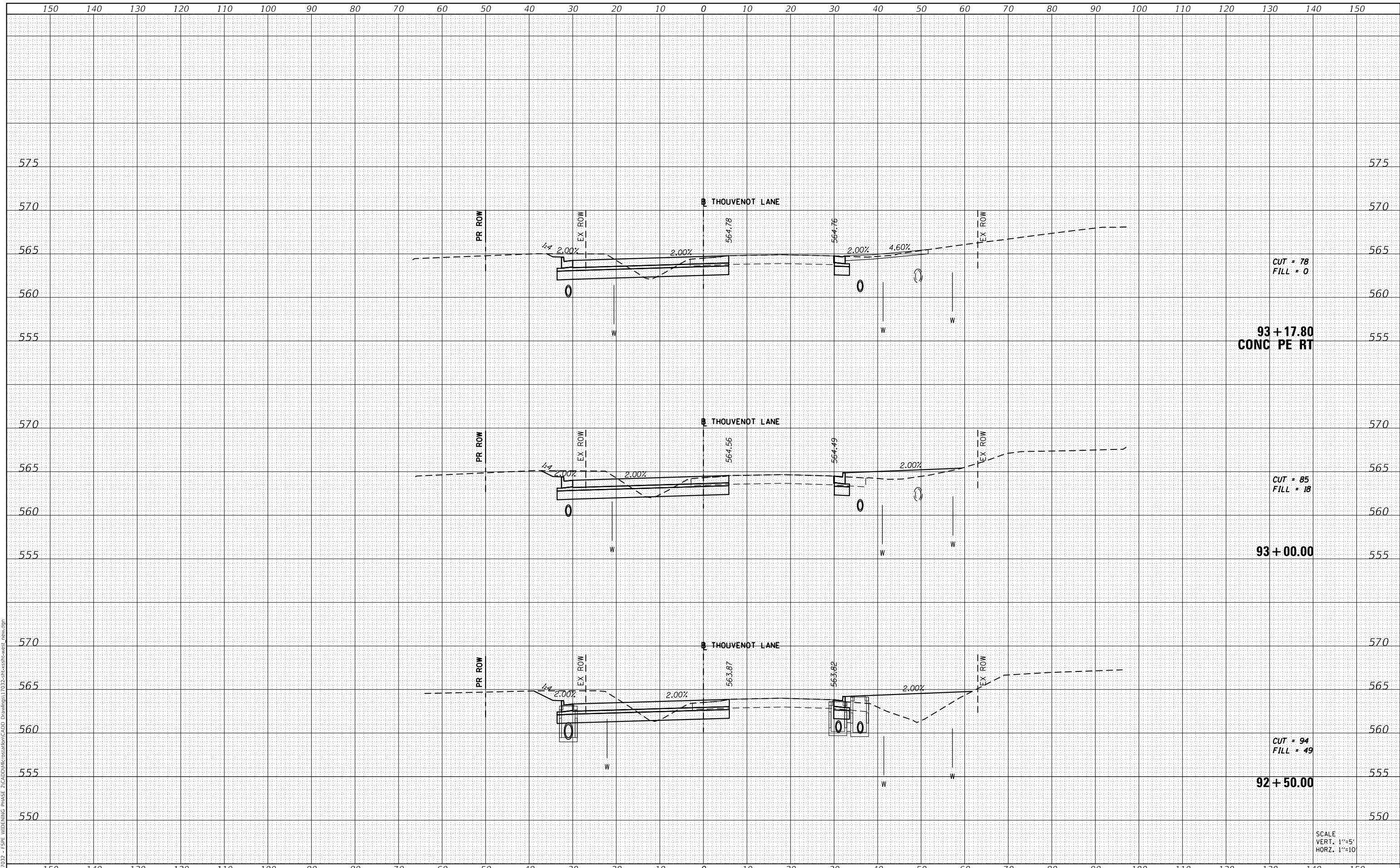
SCALE: SHEET 35 OF 87 SHEETS STA. 91+50.00 TO STA. 92+07.90

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 199 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
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| NOTE BOOK | |
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| ORIGINAL SURVEY | |
| NOTE BOOK | |
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MODEL: Defnair
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-Section.dwg



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



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

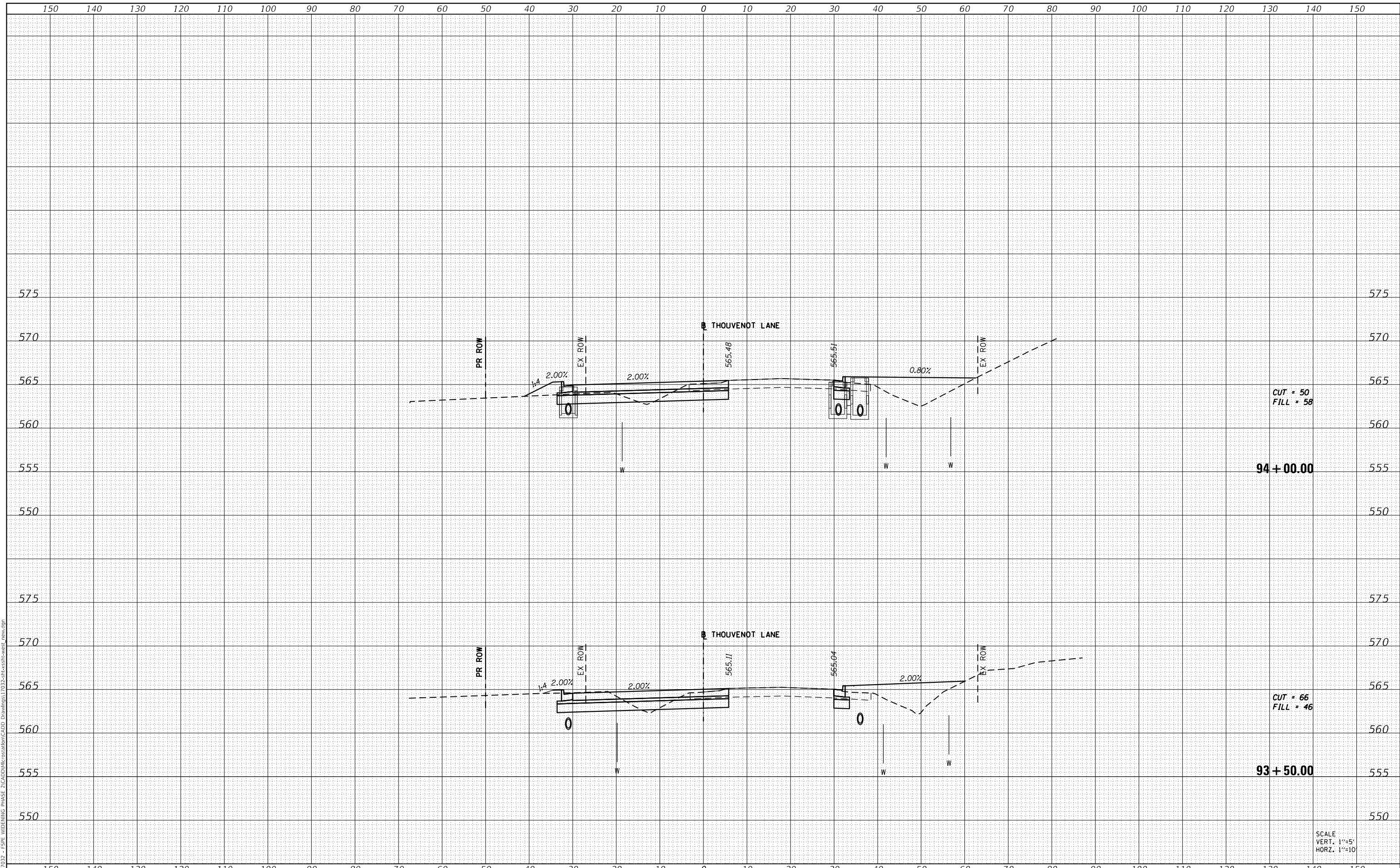
SCALE: SHEET 36 OF 87 SHEETS STA. 92+50.00 TO STA. 93+17.80

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 200 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

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| 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. | |

MODEL: Defnair
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-section-west_new.dgn



CUT = 50
 FILL = 58
 94 + 00.00

CUT = 66
 FILL = 46
 93 + 50.00

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



| |
|------------------------------|
| USER NAME = scott.felot |
| PLOT SCALE = 20.0000 ' / in. |
| PLOT DATE = 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

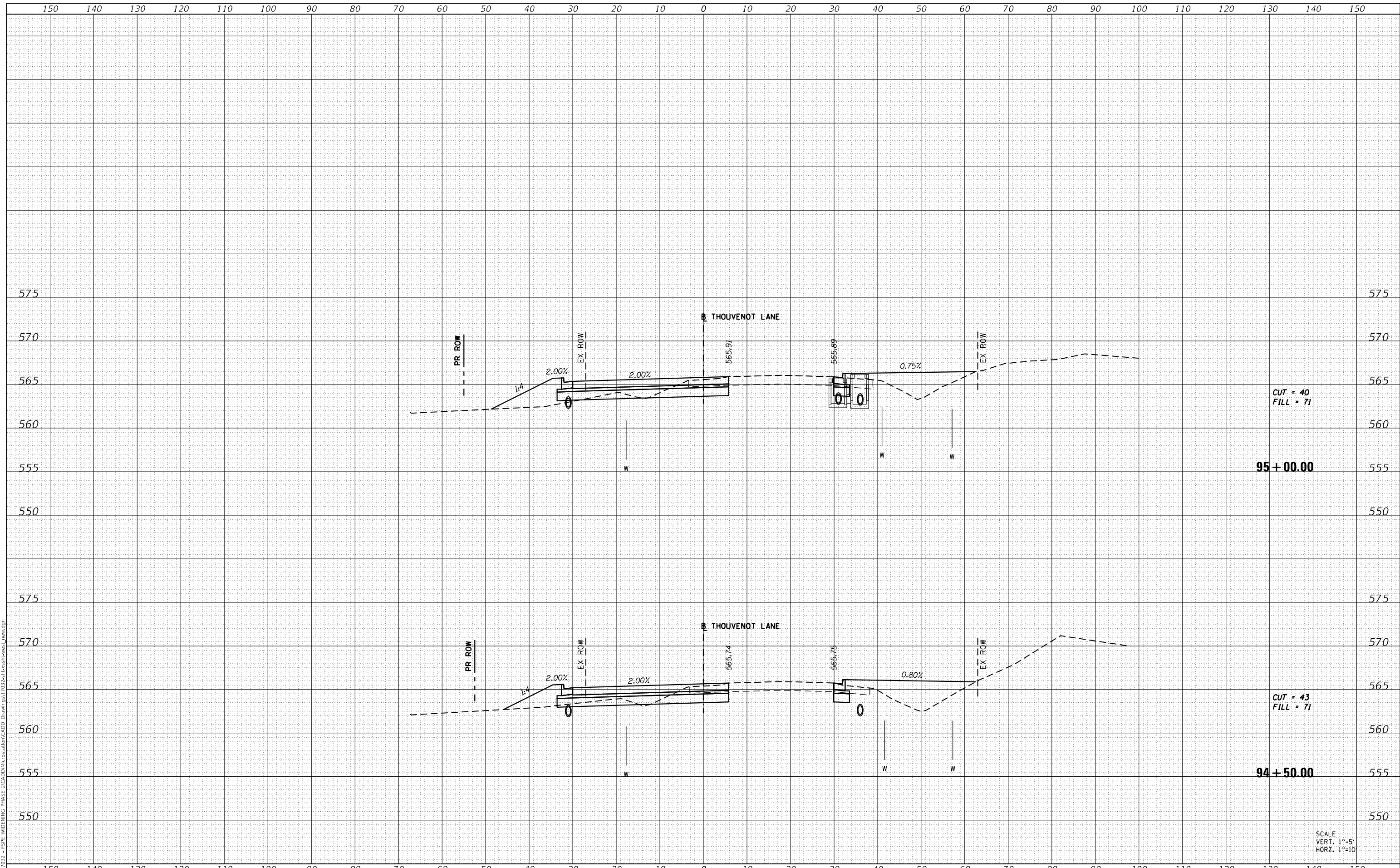
SCALE: SHEET 37 OF 87 SHEETS STA. 93+50.00 TO STA. 94+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|--------------------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 201 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defnair
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-sec-west_new.dgn



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



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

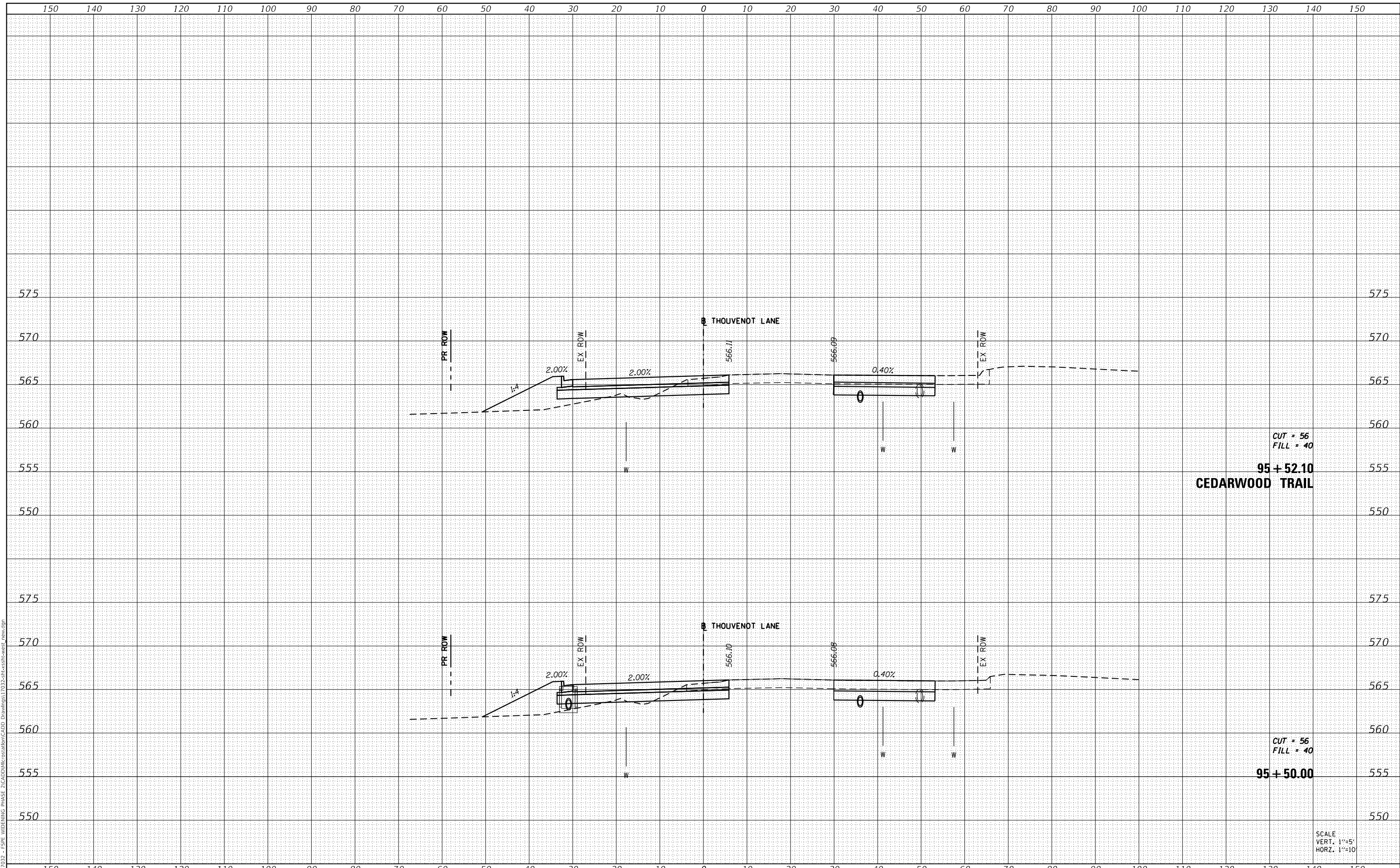
SCALE: SHEET 38 OF 87 SHEETS STA. 94+50.00 TO STA. 95+00.00

| | | | | |
|-------------|----------------|-----------|--------------|---------------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 202 |
| | | | | CONTRACT NO. 97752 |
| | | | | ILLINOIS FED. AID PROJECT |

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|----------------------------|--|
| 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-SS1E-West_new.dgn



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|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

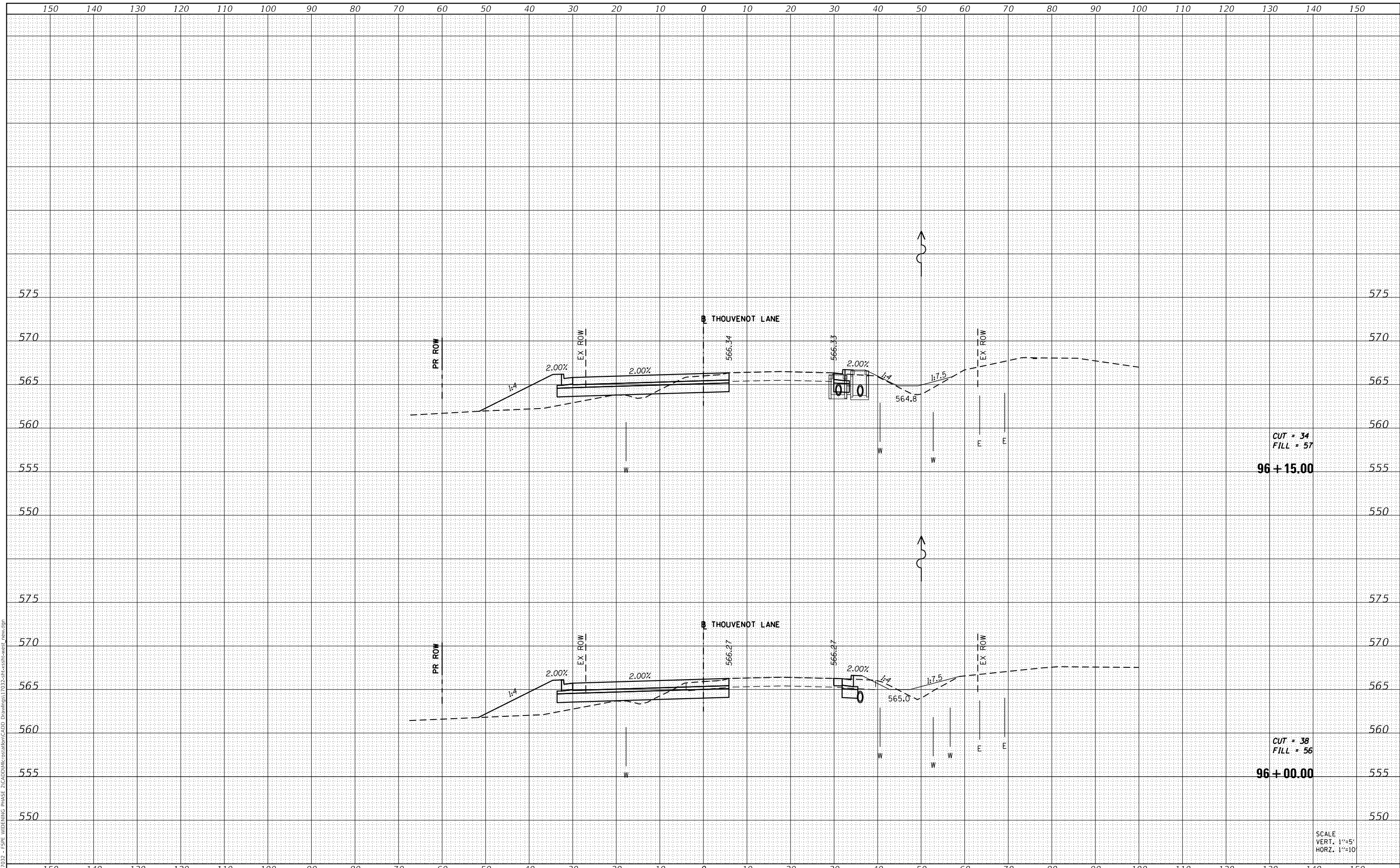
| | |
|--------------------------------|-----------------------|
| CROSS SECTIONS | |
| SCALE: | SHEET 39 OF 87 SHEETS |
| STA. 95+50.00 TO STA. 95+52.10 | |

| | | | | |
|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 203 |
| CONTRACT NO. 97752 | | | 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. | |

MODEL: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



CUT = 34
 FILL = 57
96 + 15.00

CUT = 38
 FILL = 56
96 + 00.00

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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| PLOT SCALE | = 20.0000 ' / in. |
| PLOT DATE | = 10/18/2021 |

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|----------|---|
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

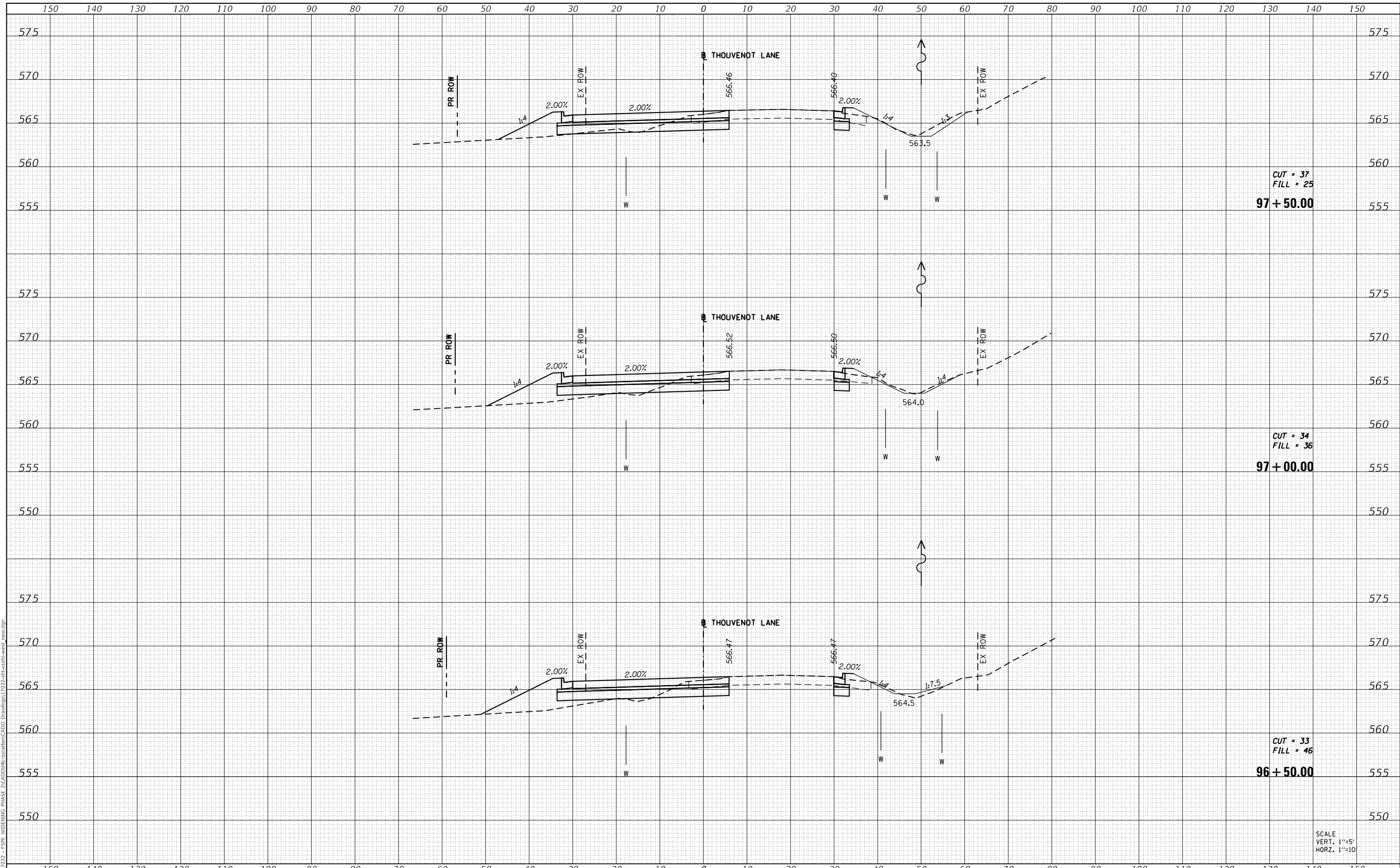
SCALE: SHEET 40 OF 87 SHEETS STA. 96+00.00 TO STA. 96+15.00

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 204 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



CUT = 37
 FILL = 25
97 + 50.00

CUT = 34
 FILL = 36
97 + 00.00

CUT = 33
 FILL = 46
96 + 50.00

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



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| REVISED | - |
| REVISIONS | |
| REVISED | - |
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| DESIGNED | - |
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| DATE | - |
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| DESIGNED | - |
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| REVISIONS | |
| REVISED | - |
| REVISIONS | |
| REVISED | - |
| REVISIONS | |
| REVISED | - |



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

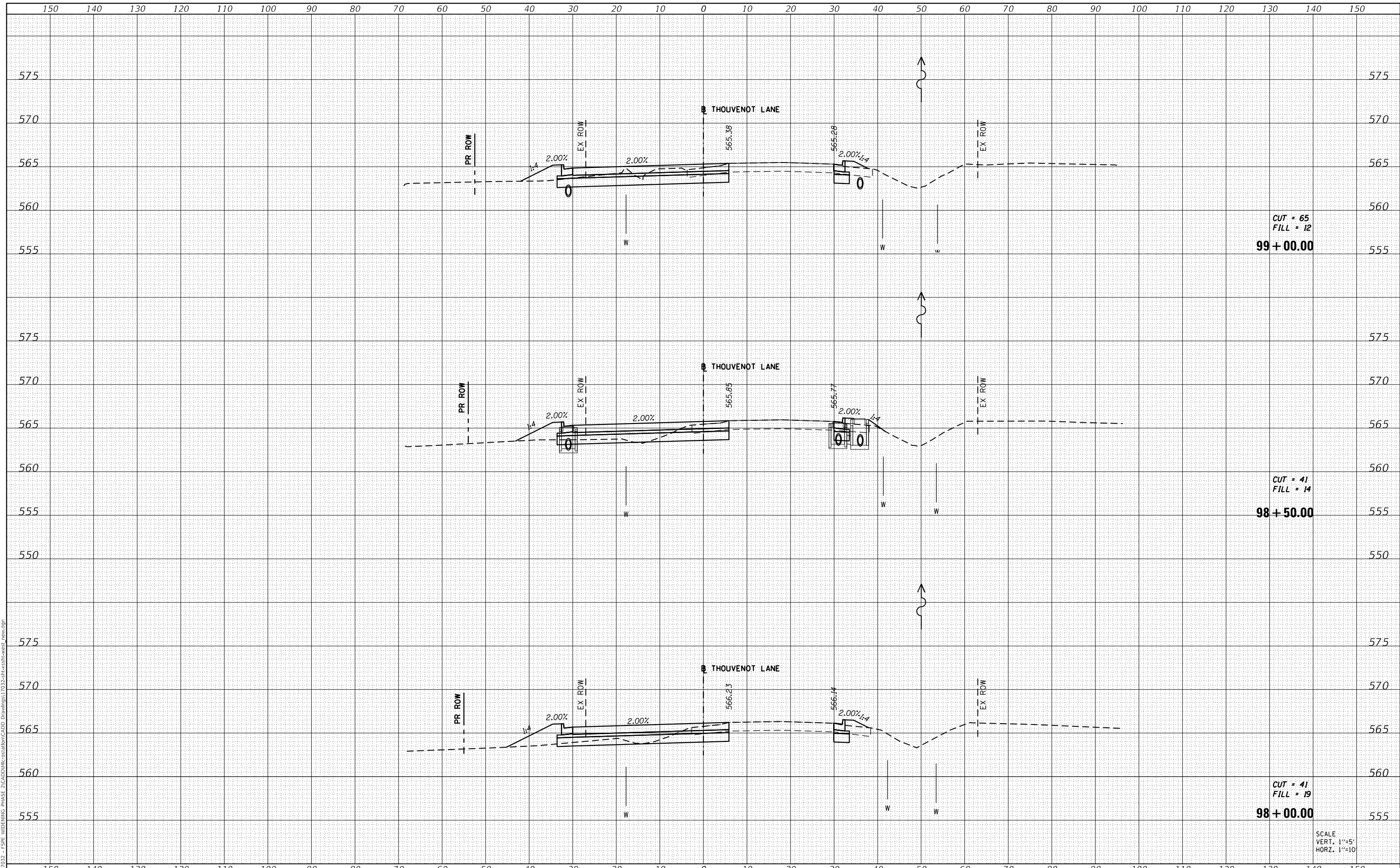
SCALE: SHEET 41 OF 87 SHEETS STA. 96+50.00 TO STA. 97+50.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 205 |
| | | | CONTRACT NO. 97752 | |
| | | 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. | |

MODEL: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ss1-west_new.dgn



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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| REVISD | - |
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| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

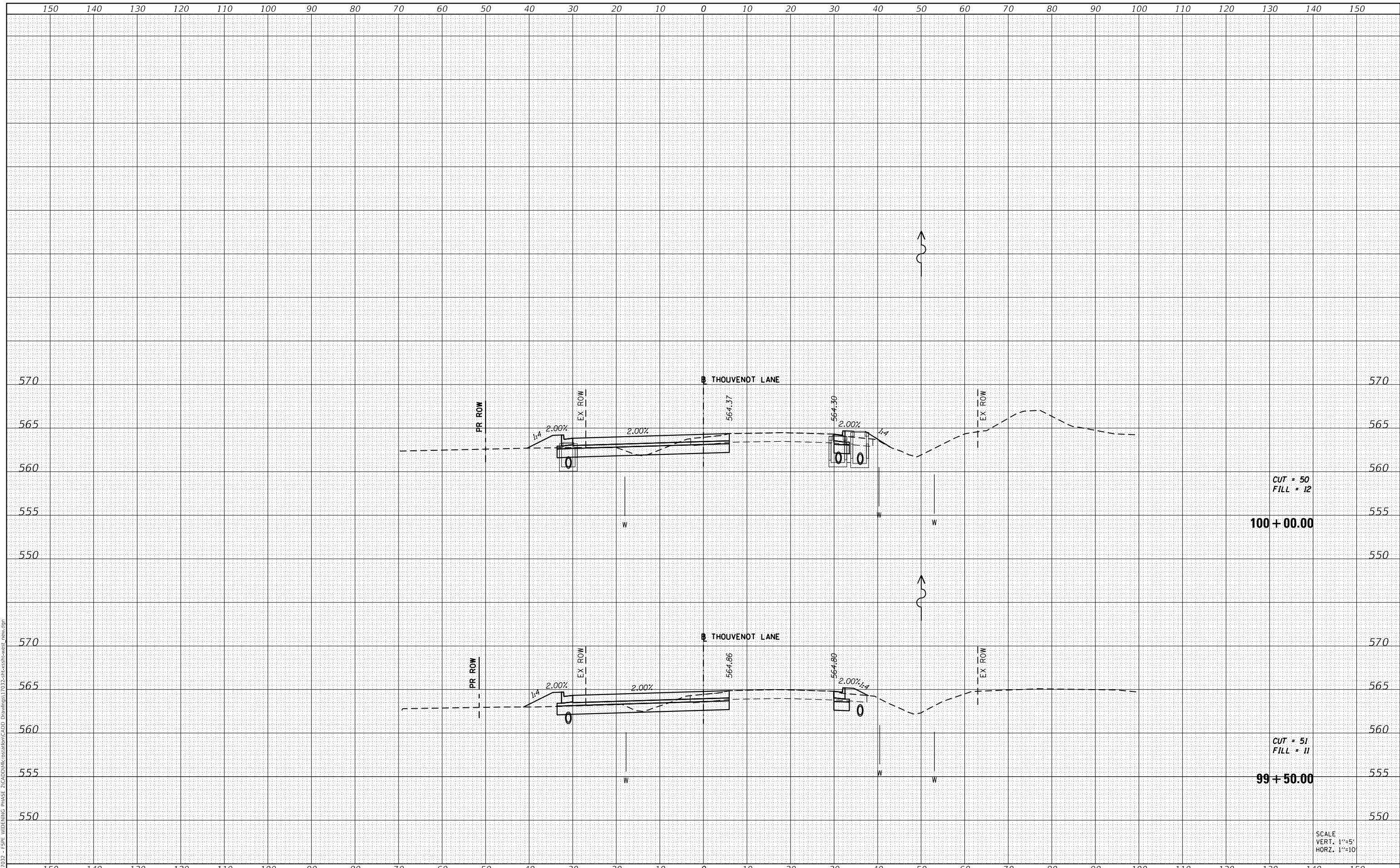
SCALE: SHEET 42 OF 87 SHEETS STA. 98+00.00 TO STA. 99+00.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 206 |
| | | | | CONTRACT NO. 97752 |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defnair
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-st-clair-west_new.dgn



CUT = 50
 FILL = 12

100 + 00.00

CUT = 51
 FILL = 11

99 + 50.00

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



| | |
|------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| PLOT SCALE | = 20.0000' / in. |
| PLOT DATE | = 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

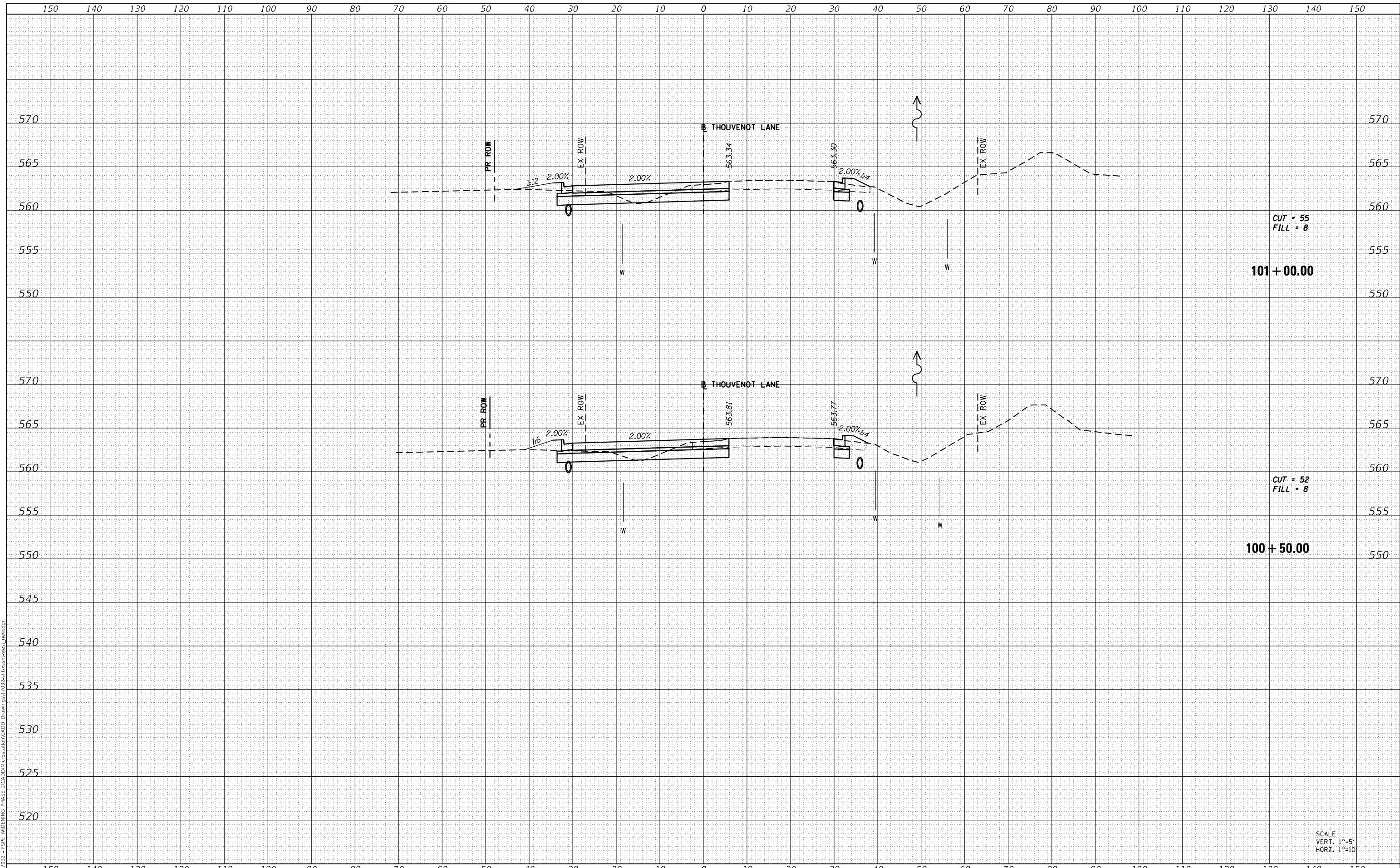
SCALE: SHEET 43 OF 87 SHEETS STA. 99+50.00 TO STA. 100+00.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 207 |
| | | | | CONTRACT NO. 97752 |
| | | 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. | |

MODEL: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sections.dwg



CUT = 55
 FILL = 8

101 + 00.00

CUT = 52
 FILL = 8

100 + 50.00

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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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| REVISD - | |
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| REVISD - | |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

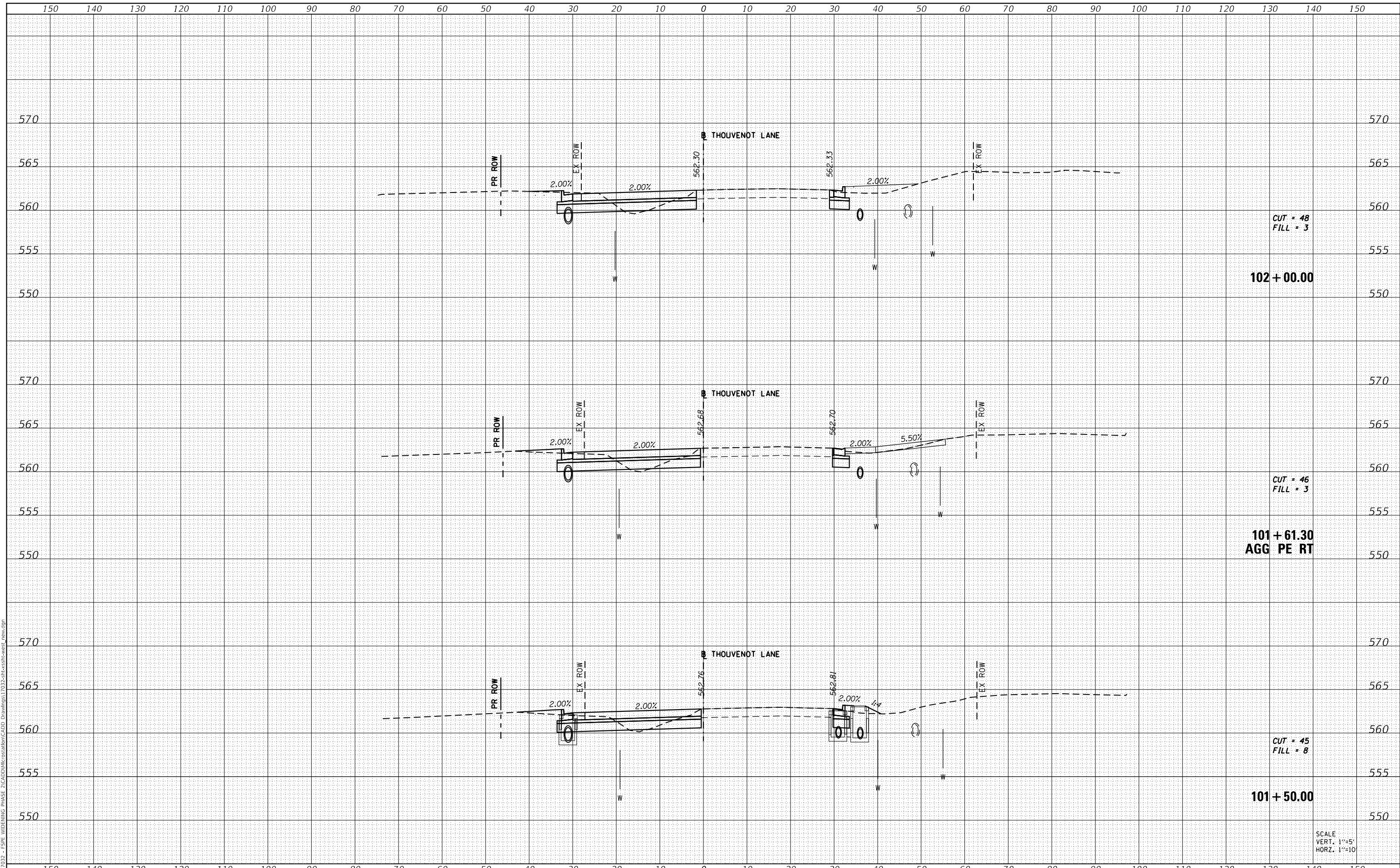
SCALE: SHEET 44 OF 87 SHEETS STA. 100+50.00 TO STA. 101+00.00

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 208 |
| CONTRACT NO. 97752 | | | | |
| 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-Section-NEW.dgn



CUT = 48
 FILL = 3

102 + 00.00

CUT = 46
 FILL = 3

101 + 61.30
 AGG PE RT

CUT = 45
 FILL = 8

101 + 50.00

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



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |

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| REVISD | - |
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| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

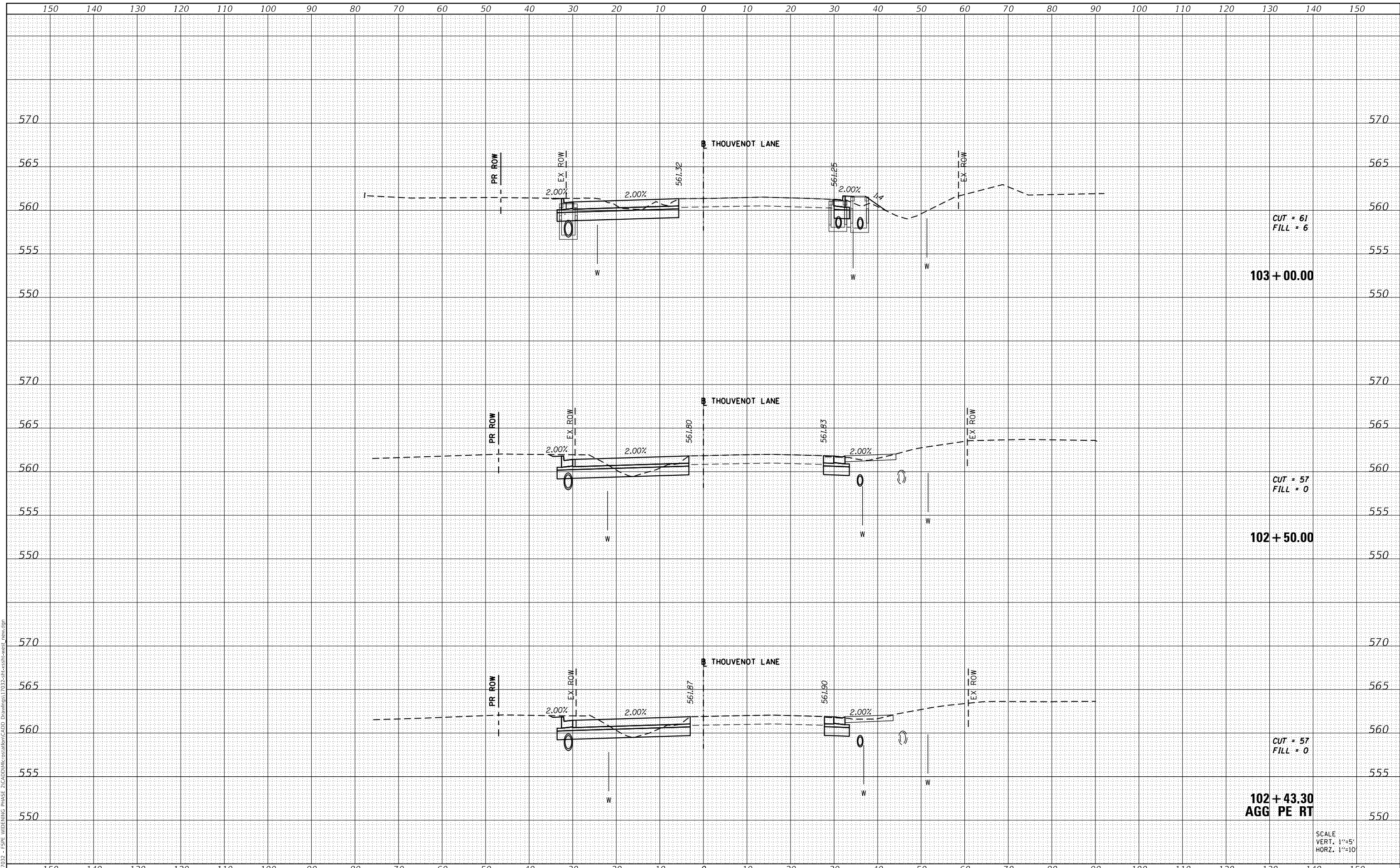
SCALE: SHEET 45 OF 87 SHEETS STA. 101+50.00 TO STA. 102+00.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 209 |
| | | | CONTRACT NO. 97752 | |
| | | 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: Definit
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-sections.dwg



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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

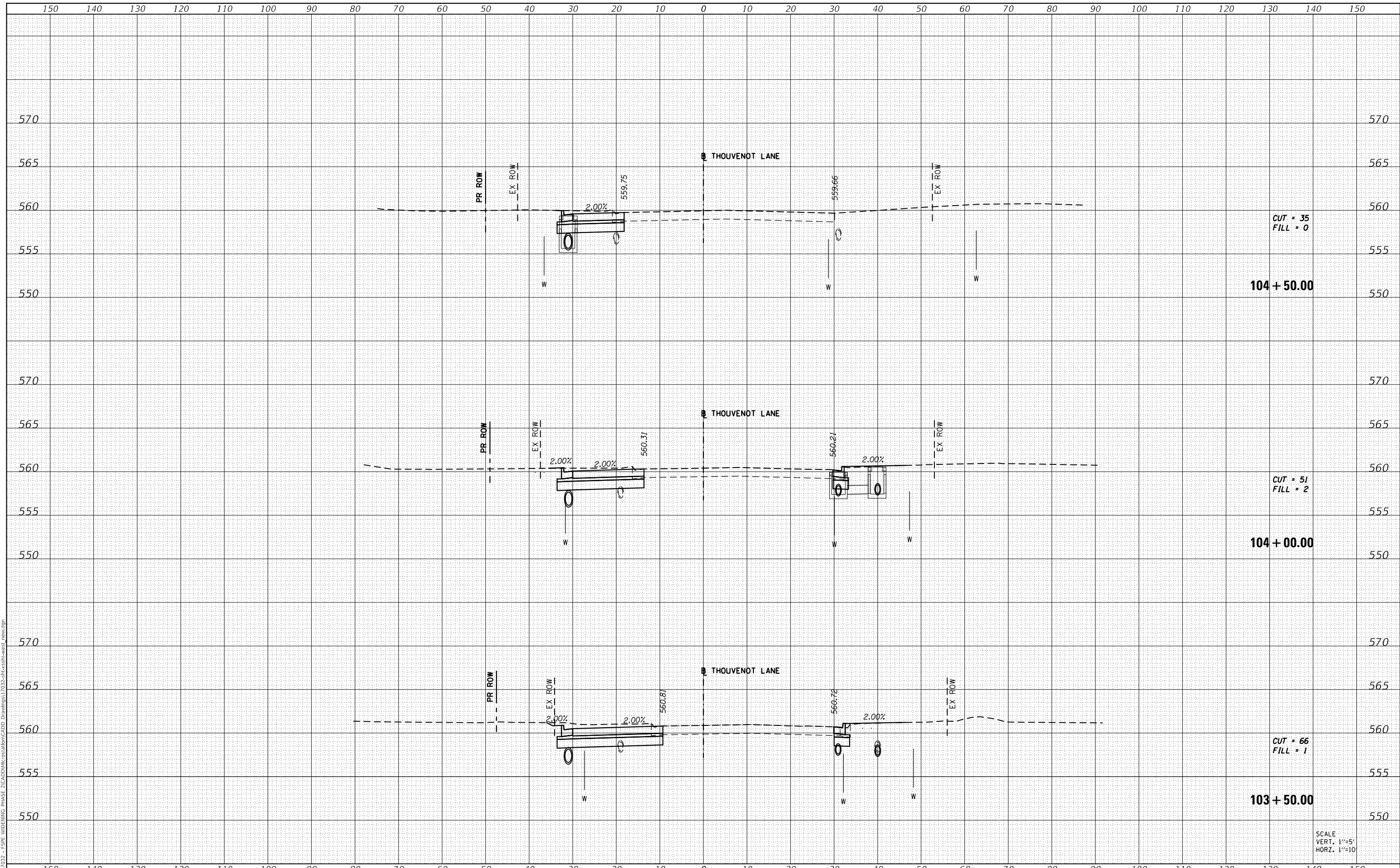
SCALE: SHEET 46 OF 87 SHEETS STA. 102+42.90 TO STA. 103+00.00

| | | | | |
|---------------------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 210 |
| | | | CONTRACT NO. 97752 | |
| 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:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SPW-Cross-sections.dwg



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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

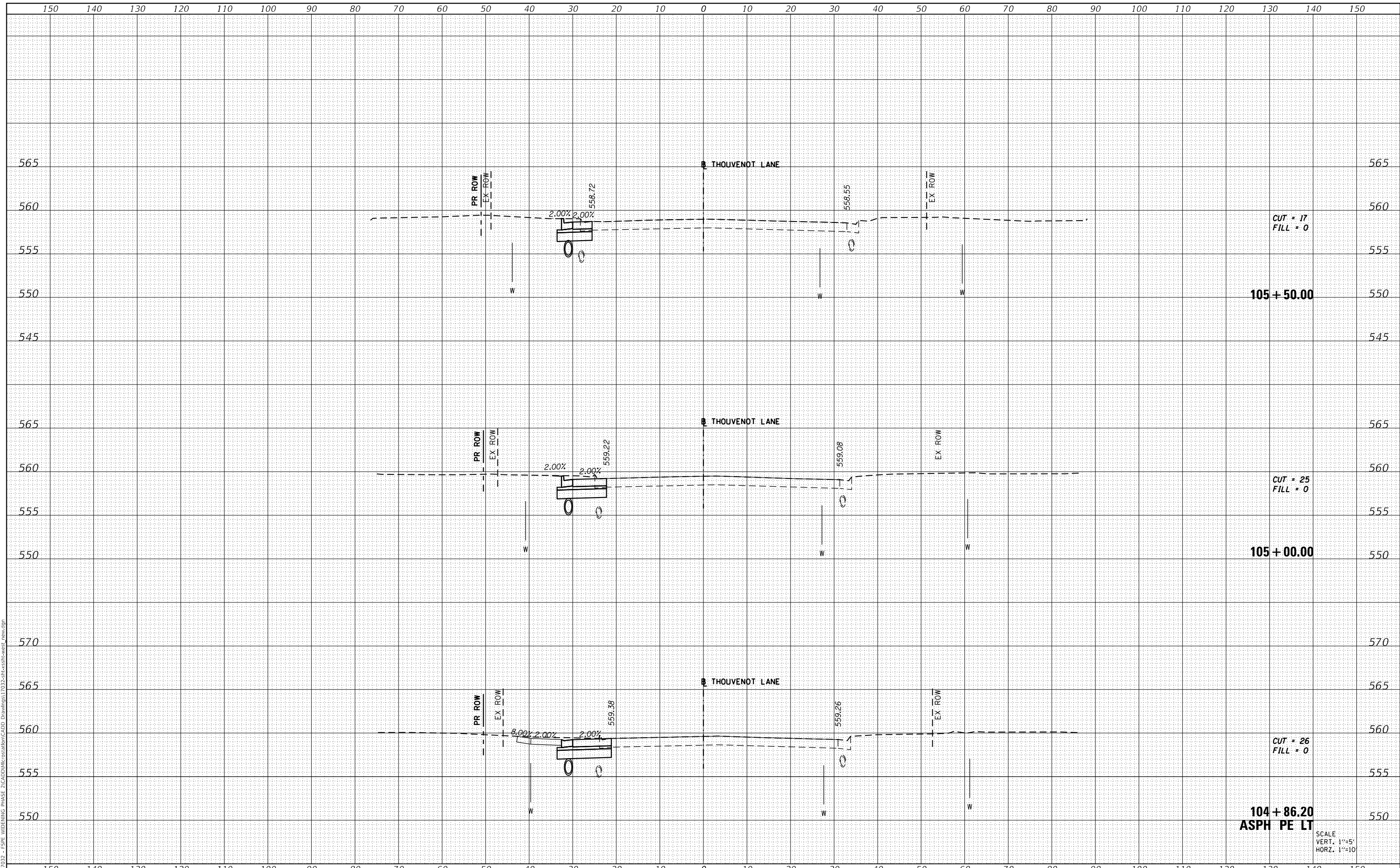
SCALE: SHEET 47 OF 87 SHEETS STA. 103+50.00 TO STA. 104+50.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 211 |
| | | | CONTRACT NO. 97752 | |
| | | ILLINOIS | FED. AID PROJECT | |

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|---------------|--|
| 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. | |

MODEL: Definit
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-SP-CL-SS-15-West_new.dgn



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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |
| REVISÉD | - |
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| DESIGNED | - |
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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

SCALE: SHEET 48 OF 87 SHEETS STA. 104+85.40 TO STA. 105+50.00

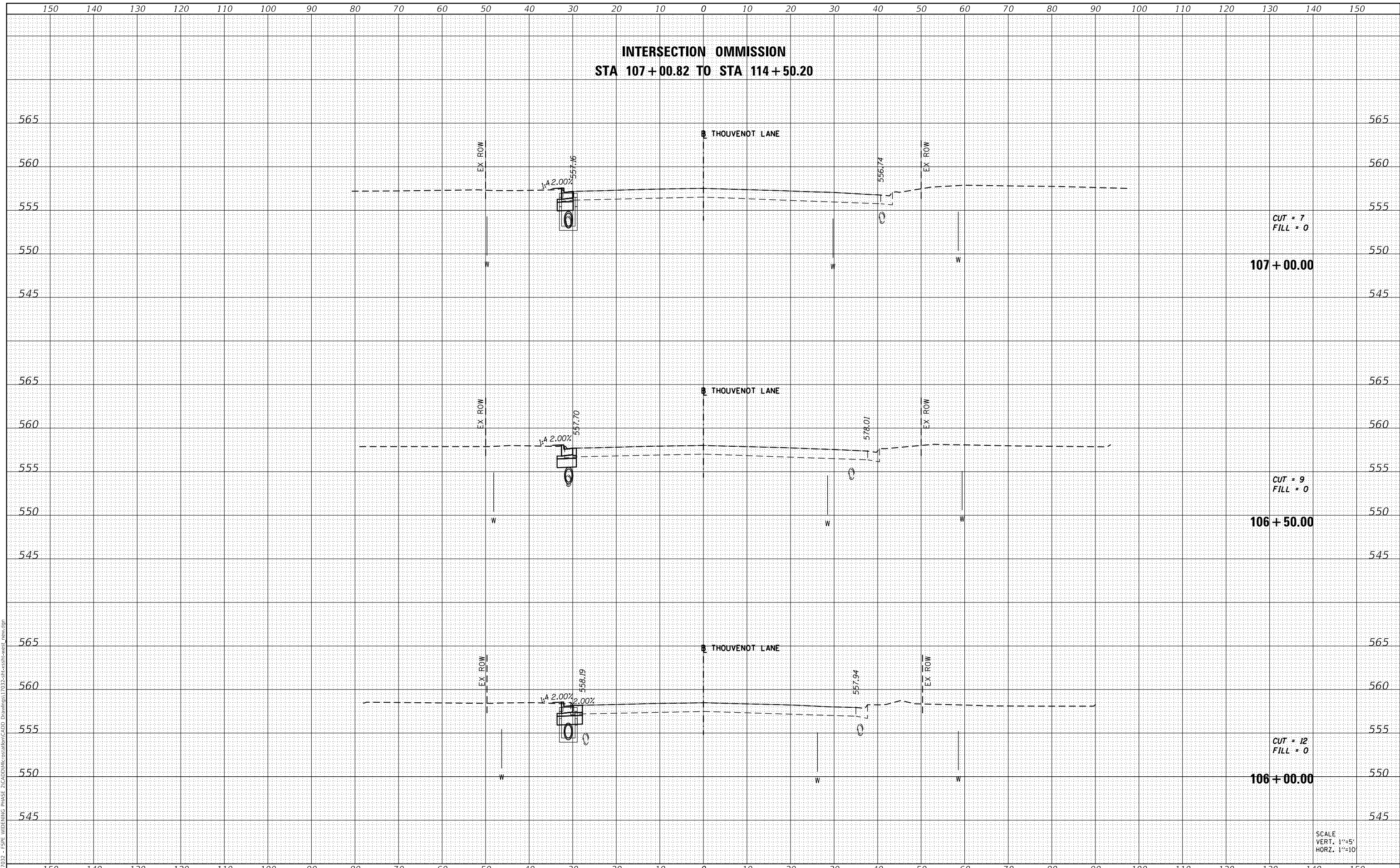
| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 212 |
| | | | CONTRACT NO. 97752 | |
| | | ILLINOIS | FED. AID PROJECT | |

**INTERSECTION OMISSION
STA 107+00.82 TO STA 114+50.20**

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

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

MODEL: Defnair
FILE NAME: H:\117032 - FSPF WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-SP-Cross-sec-west_new.dgn



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



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

CROSS SECTIONS

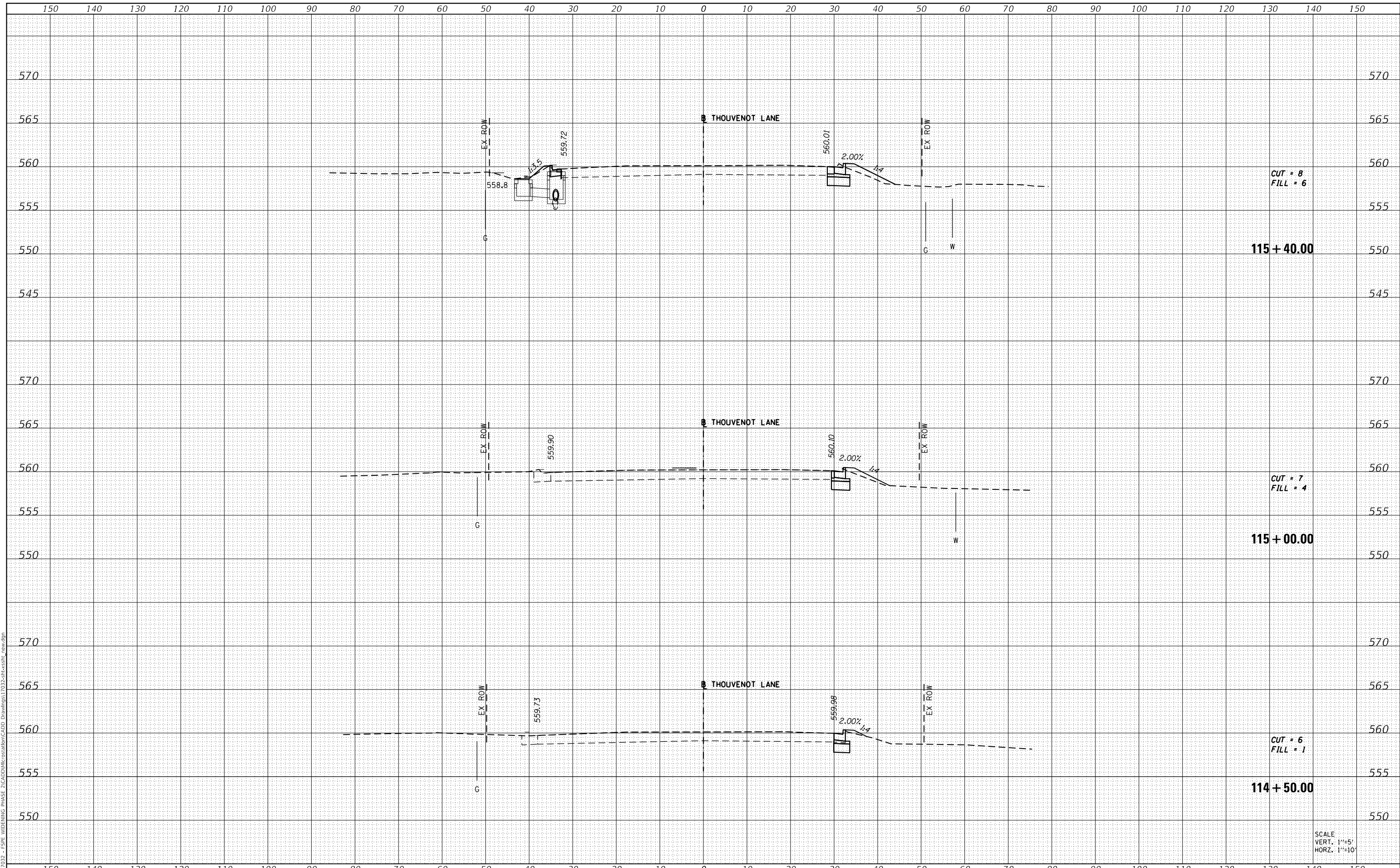
SCALE: SHEET 49 OF 87 SHEETS STA. 106+00.00 TO STA. 107+00.00

| | | | | |
|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 213 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | FED. AID PROJECT | | |

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|---------------|--|
| 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs-stb_rev.dgn



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



| | |
|---------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

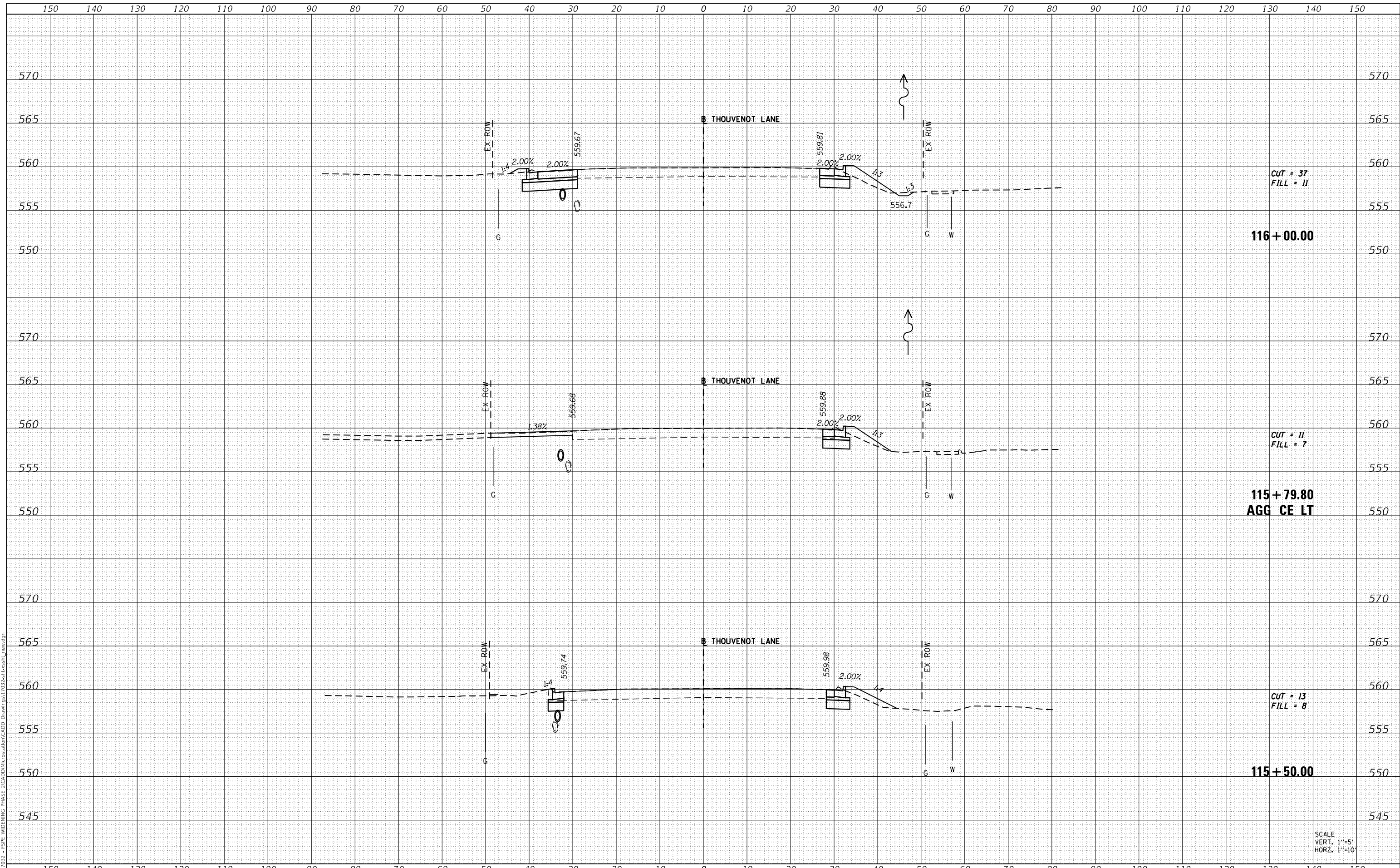
SCALE: SHEET 50 OF 87 SHEETS STA. 114+50.00 TO STA. 115+40.00

| | | | | |
|---------------------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 214 |
| | | | CONTRACT NO. 97752 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defnair
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-crossh_rev.dgn



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



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |

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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

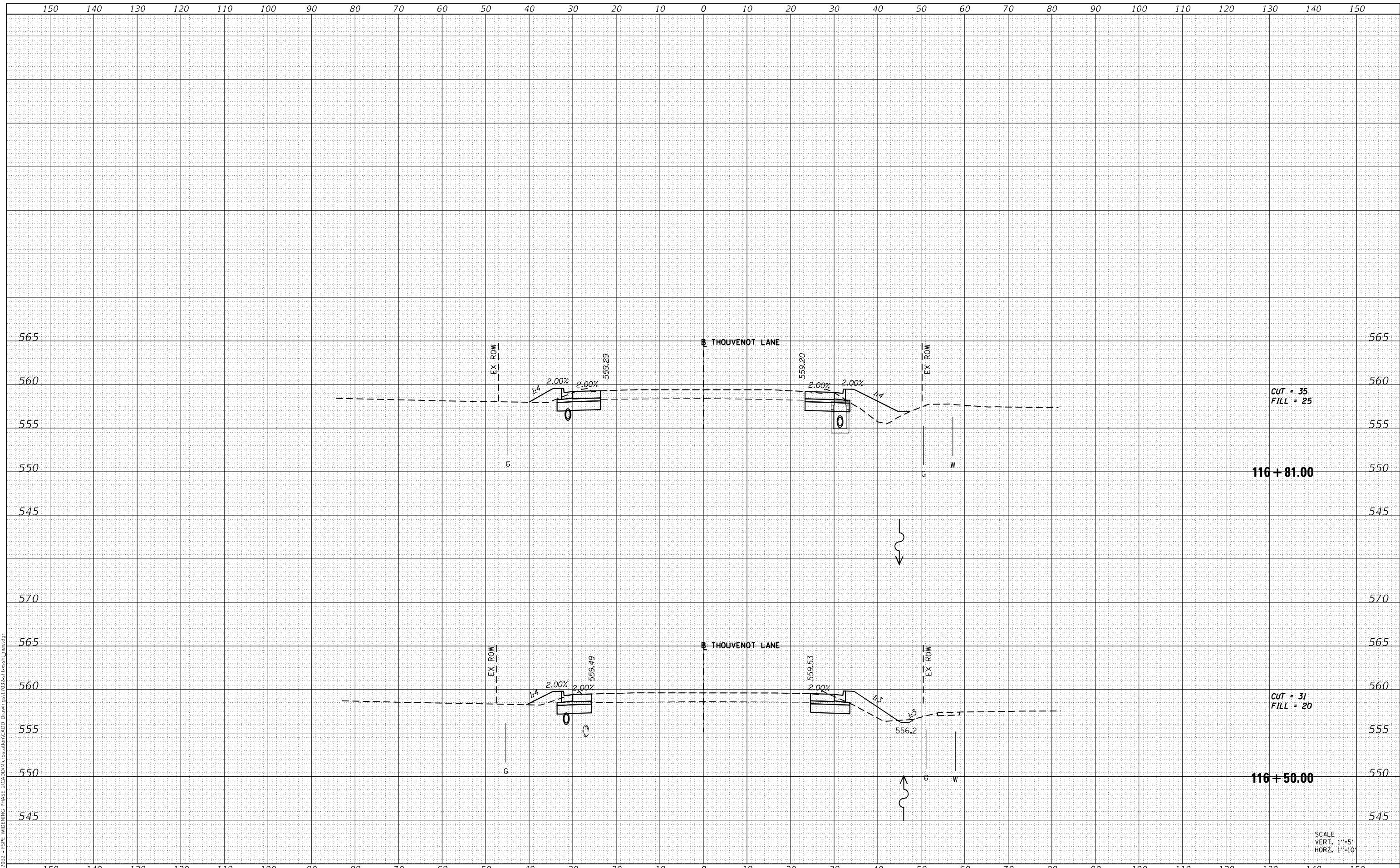
SCALE: SHEET 51 OF 87 SHEETS STA. 115+50.00 TO STA. 116+00.00

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|-------------|----------------|-----------|--------------|---------------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 215 |
| | | | | CONTRACT NO. 97752 |
| | | | | ILLINOIS FED. AID PROJECT |

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

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| ORIGINAL SURVEY NO. | SURVEYED | DATE |
| | PLOTTED | |
| | TEMPLATE | |
| | AREAS CHECKED | |

MODEL: Definit
 FILE NAME: H:\11032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11032-ar-cr-ssht_lev.dgn



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



| | |
|-------------|-------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
| DATE - | |

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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

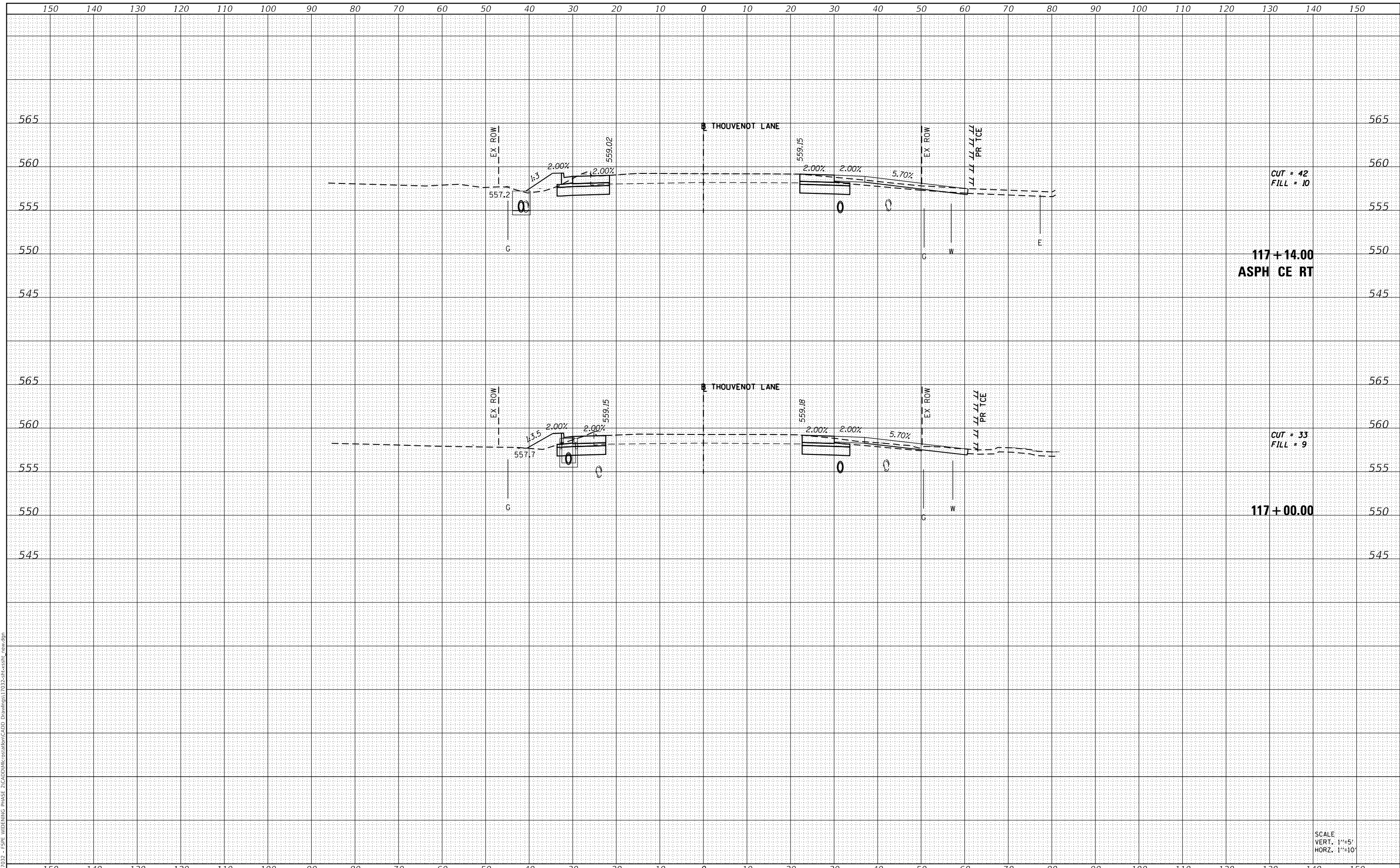
SCALE: SHEET 52 OF 87 SHEETS STA. 116+50.00 TO STA. 116+81.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|-----------|--------------|---------------------------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 216 |
| | | | | CONTRACT NO. 97752 |
| | | | | ILLINOIS FED. AID PROJECT |

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|---------------|--|
| 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. | |

MODEL: Defnair
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-ar-cs-st-117.dgn



CUT = 42
 FILL = 10
 117+14.00
 ASPH CE RT

CUT = 33
 FILL = 9
 117+00.00

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



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | REVISD - |
| DRAWN - | REVISD - |
| PLOT SCALE = | 20.0000' / in. |
| CHECKED - | REVISD - |
| DATE - | REVISD - |
| PLOT DATE = | 10/18/2021 |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

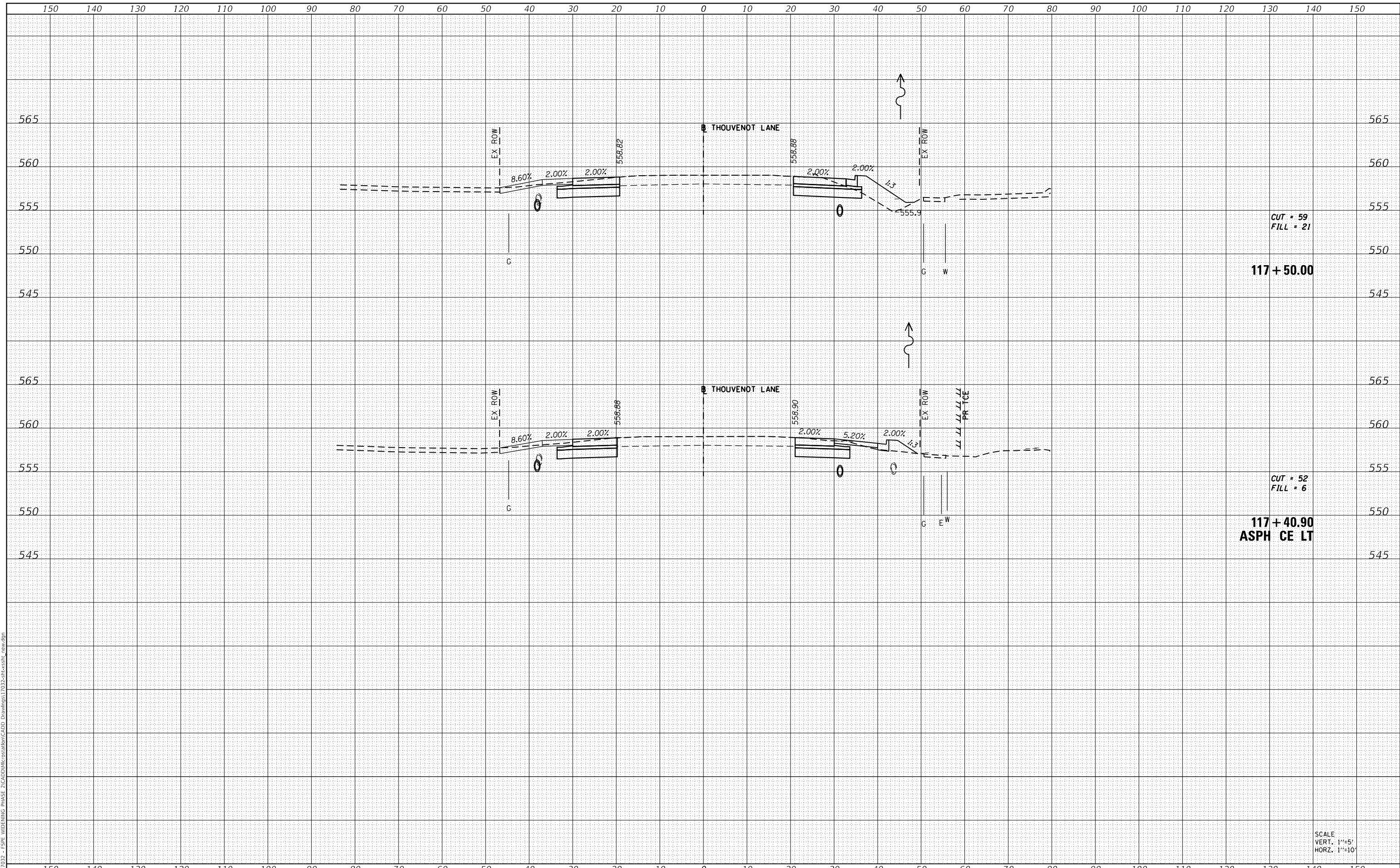
SCALE: SHEET 53 OF 87 SHEETS STA. 117+00.00 TO STA. 117+14.00

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|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 217 |
| | | | CONTRACT NO. 97752 | |
| | | 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ssht_117.dgn



CUT = 59
 FILL = 21
 117 + 50.00

CUT = 52
 FILL = 6
 117 + 40.90
 ASPH CE LT

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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | REVISD - |
| DRAWN - | REVISD - |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | REVISD - |
| DATE - | REVISD - |
| PLOT DATE = | 10/18/2021 |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

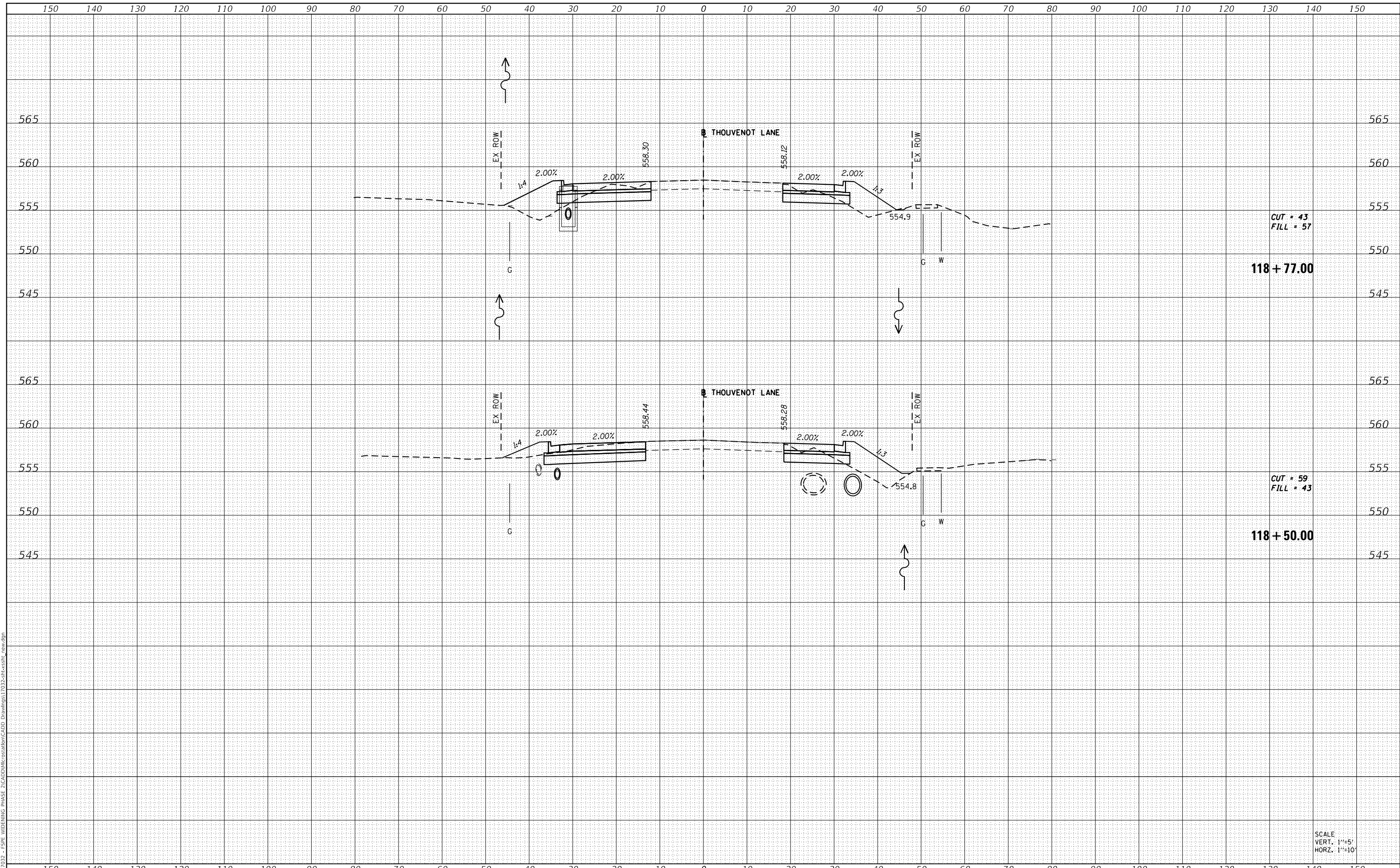
SCALE: SHEET 54 OF 87 SHEETS STA. 117+40.90 TO STA. 117+50.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 218 |
| | | | | CONTRACT NO. 97752 |
| | | 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: Definit
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11032-ar-crossh_rev.dgn



CUT = 43
 FILL = 57
118 + 77.00

CUT = 59
 FILL = 43
118 + 50.00

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



| | |
|-------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |
| REVISIED | - |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

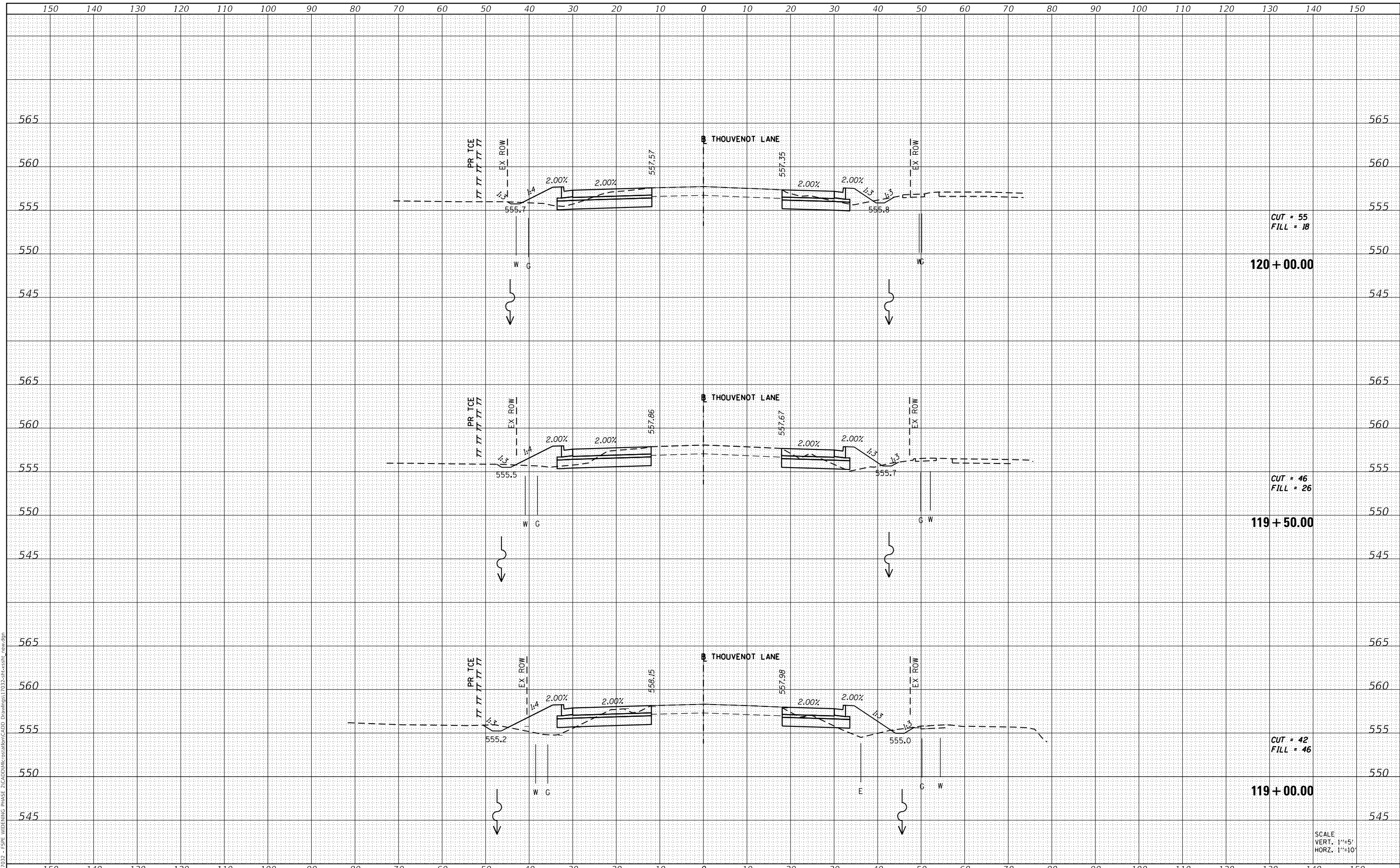
SCALE: SHEET 56 OF 87 SHEETS STA. 118+50.00 TO STA. 118+77.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 220 |
| CONTRACT NO. 97752 | | | 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: Definit
 FILE NAME: H1111032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-ar-cs-stb_rev.dgn



CUT = 55
 FILL = 18

120 + 00.00

CUT = 46
 FILL = 26

119 + 50.00

CUT = 42
 FILL = 46

119 + 00.00

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



| | |
|------------|------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|--------|---|
| REVISÉ | - |
| REVISÉ | - |
| REVISÉ | - |
| REVISÉ | - |



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

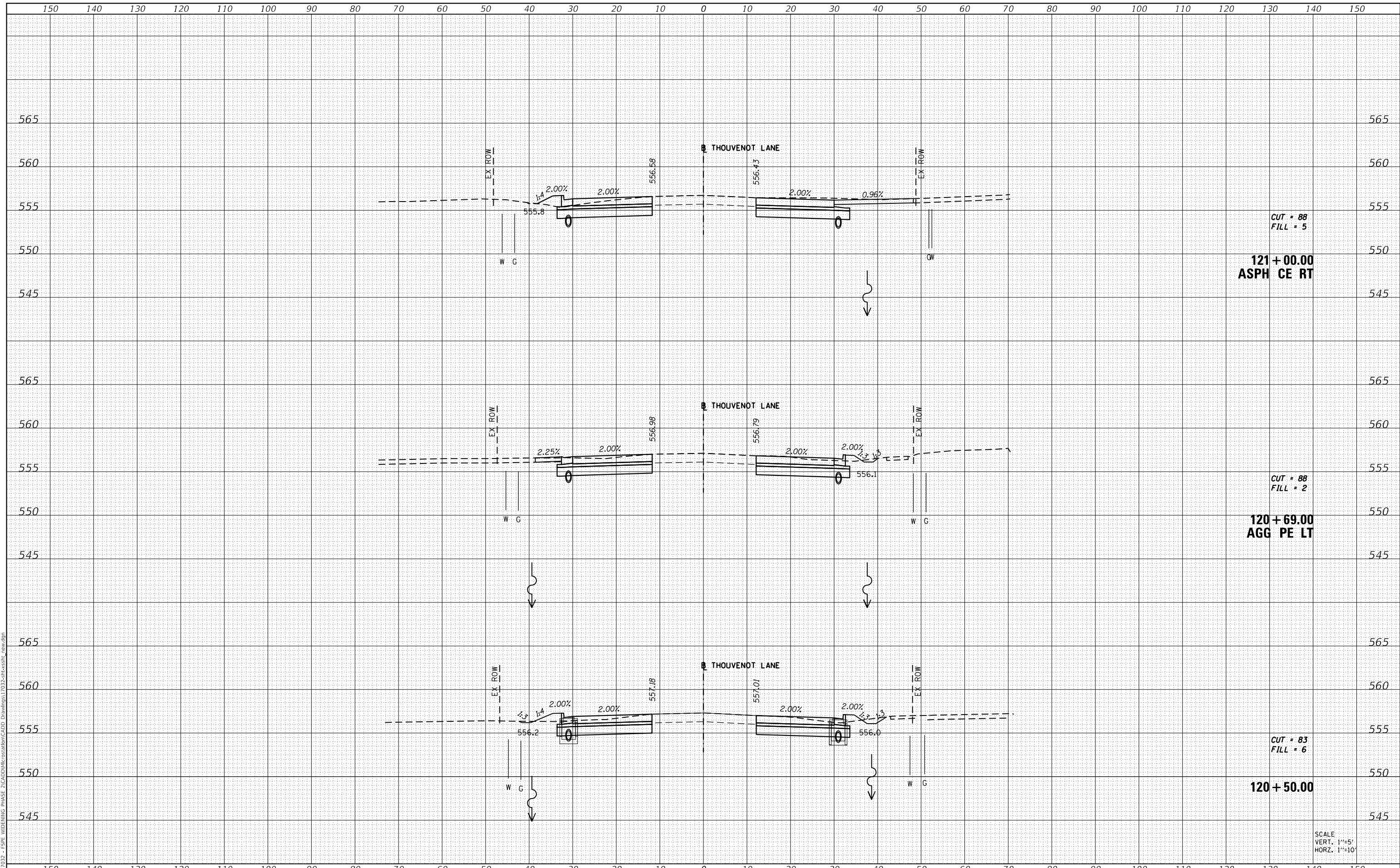
SCALE: SHEET 57 OF 87 SHEETS STA. 119+00.00 TO STA. 120+00.00

| | | | | |
|-------------|----------------|------------------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 221 |
| | | | | CONTRACT NO. 97752 |
| 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.dwg
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ssht_lev.dgn



CUT = 88
 FILL = 5
 121+00.00
 ASPH CE RT

CUT = 88
 FILL = 2
 120+69.00
 AGG PE LT

CUT = 83
 FILL = 6
 120+50.00

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



USER NAME = scott.felot
 PLOT SCALE = 20.0000 ' / in.
 PLOT DATE = 10/18/2021

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

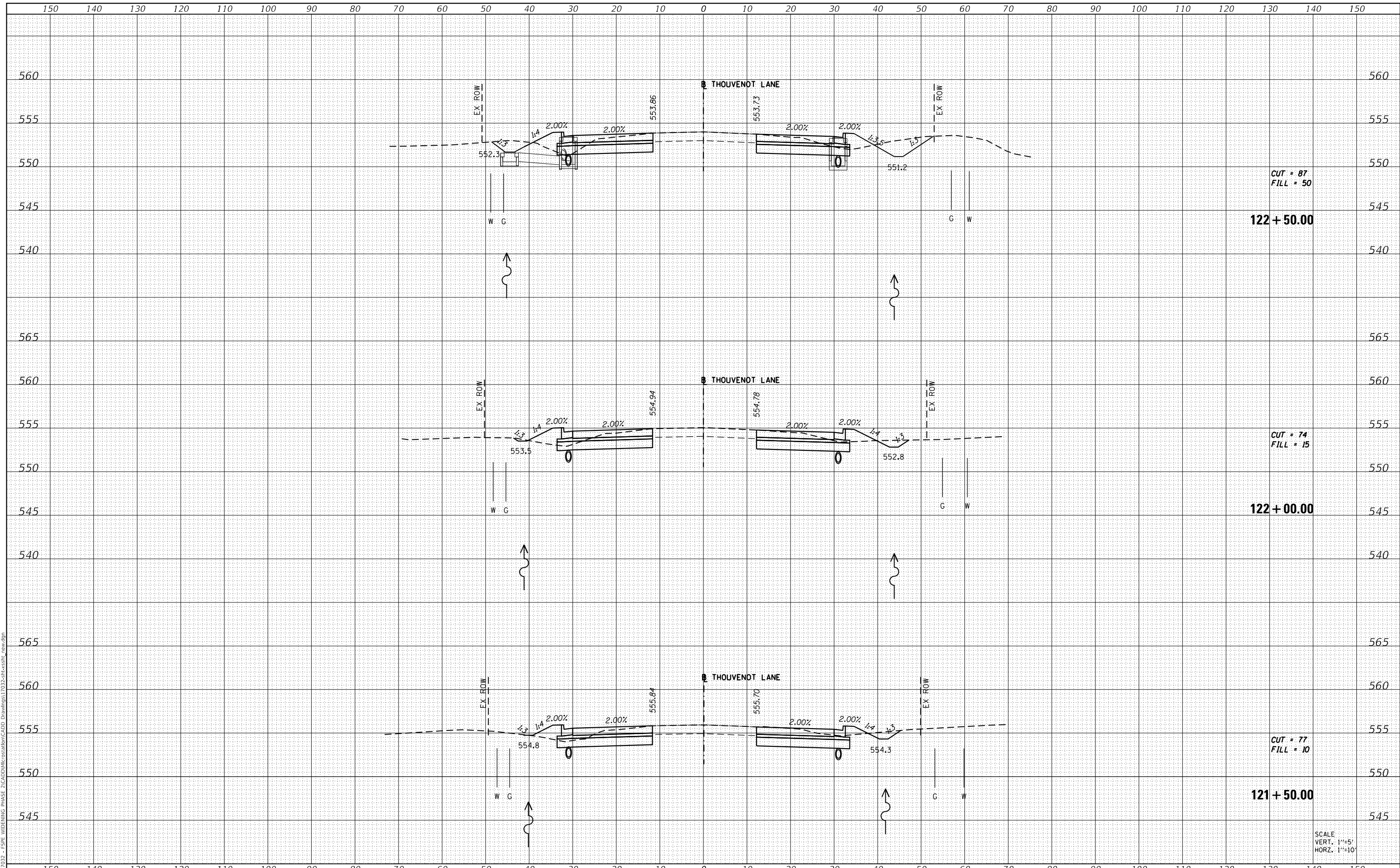
SCALE: SHEET 58 OF 87 SHEETS STA. 120+50.00 TO STA. 121+00.00

| | | | | |
|---------------------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 222 |
| | | | CONTRACT NO. 97752 | |
| 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: H1311032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11032-ar-cr-ss11_rev.dgn



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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

| | |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

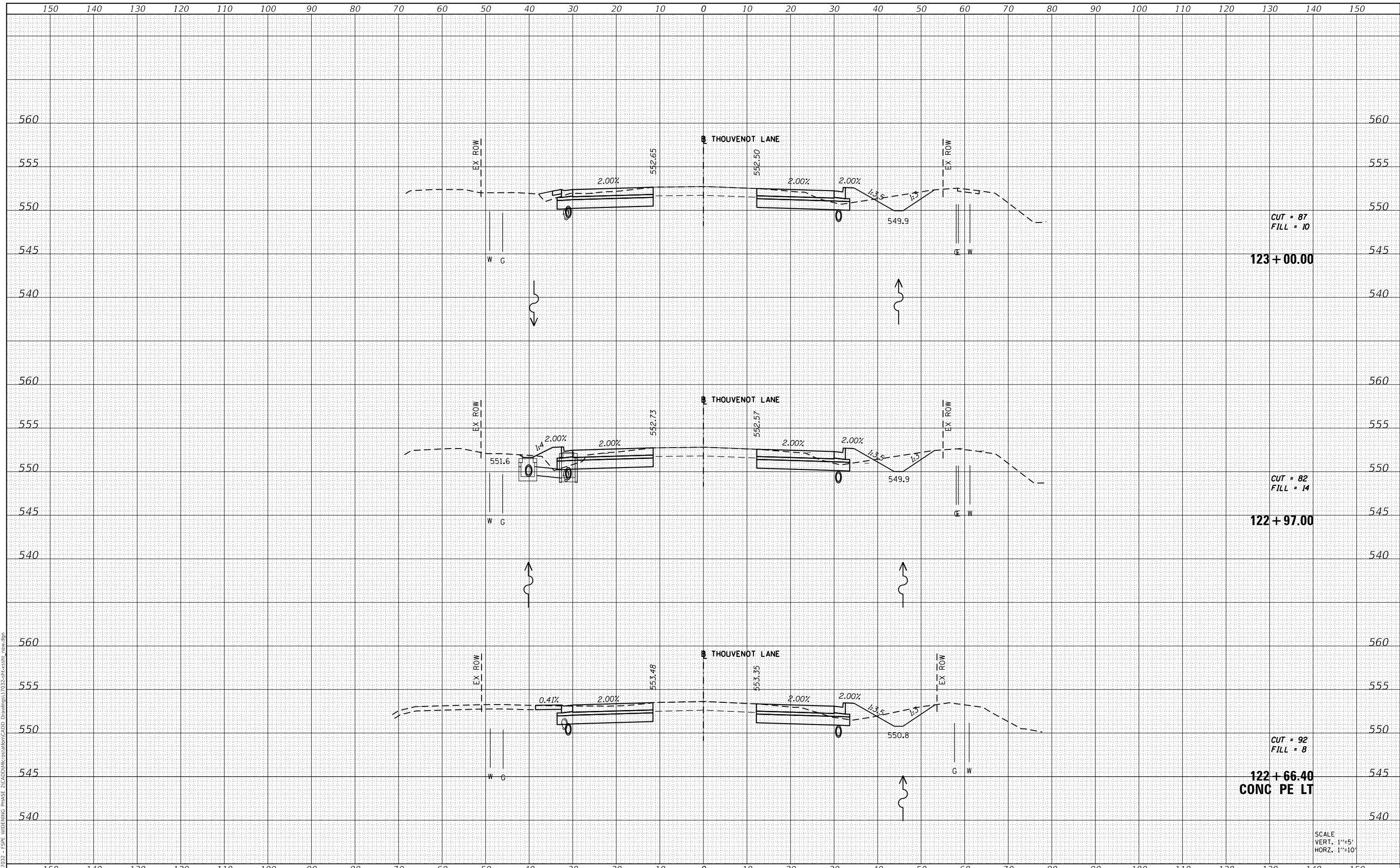
SCALE: SHEET 59 OF 87 SHEETS STA. 121+50.00 TO STA. 122+50.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 223 |
| | | | CONTRACT NO. 97752 | |
| | | 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. | |

MODEL: Definit
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-ar-cr-ssht_rev.dgn



CUT = 87
 FILL = 10

CUT = 82
 FILL = 14

CUT = 92
 FILL = 8

122+66.40
 CONC PE LT

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



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 PLOT SCALE = 20.0000 ' / in.
 CHECKED -
 PLOT DATE = 10/18/2021
 DATE -

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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

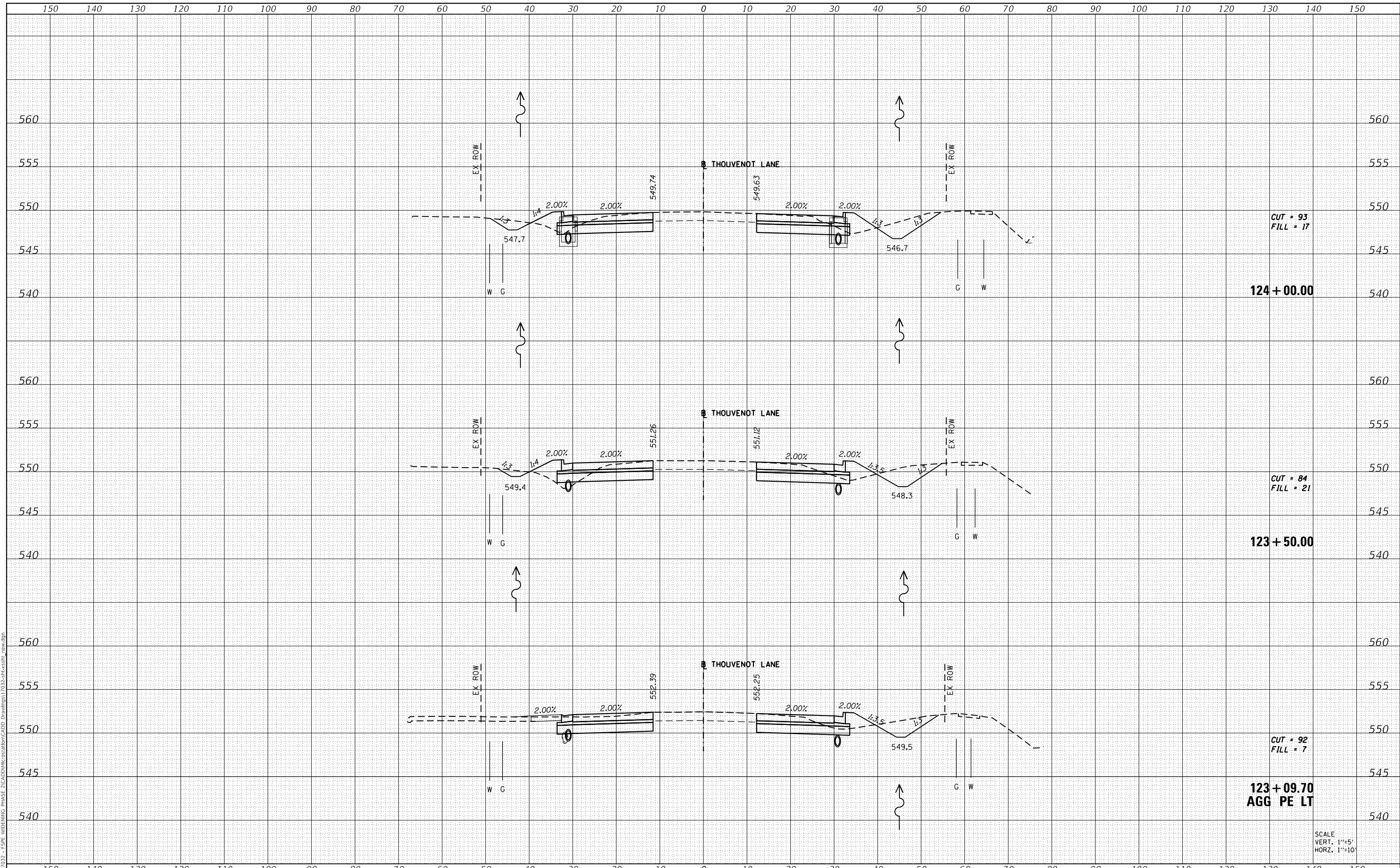
SCALE: SHEET 60 OF 87 SHEETS STA. 122+66.40 TO STA. 123+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 224 |
| CONTRACT NO. 97752 | | | 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.dwg
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-ssht-lev.dgn



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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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| REVISD | - |
| REVISD | - |
| REVISD | - |



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

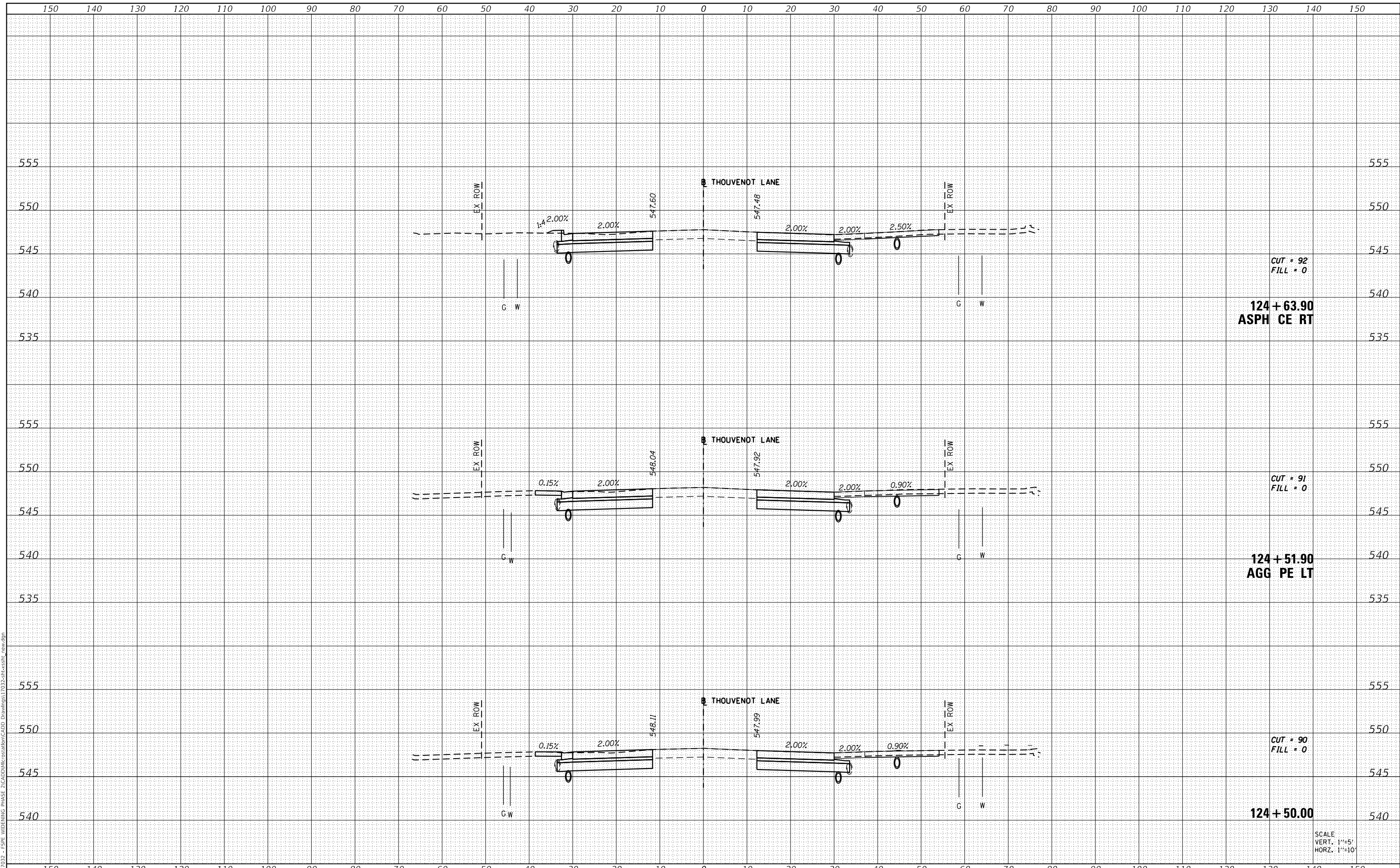
SCALE: SHEET 61 OF 87 SHEETS STA. 123+09.70 TO STA. 124+00.00

| | | | | |
|---------------------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 225 |
| | | | CONTRACT NO. 97752 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-arc-ssht_lev.dgn



CUT = 92
 FILL = 0
124 + 63.90
ASPH CE RT

CUT = 91
 FILL = 0
124 + 51.90
AGG PE LT

CUT = 90
 FILL = 0
124 + 50.00

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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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| REVISD - | |
| REVISD - | |
| REVISD - | |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

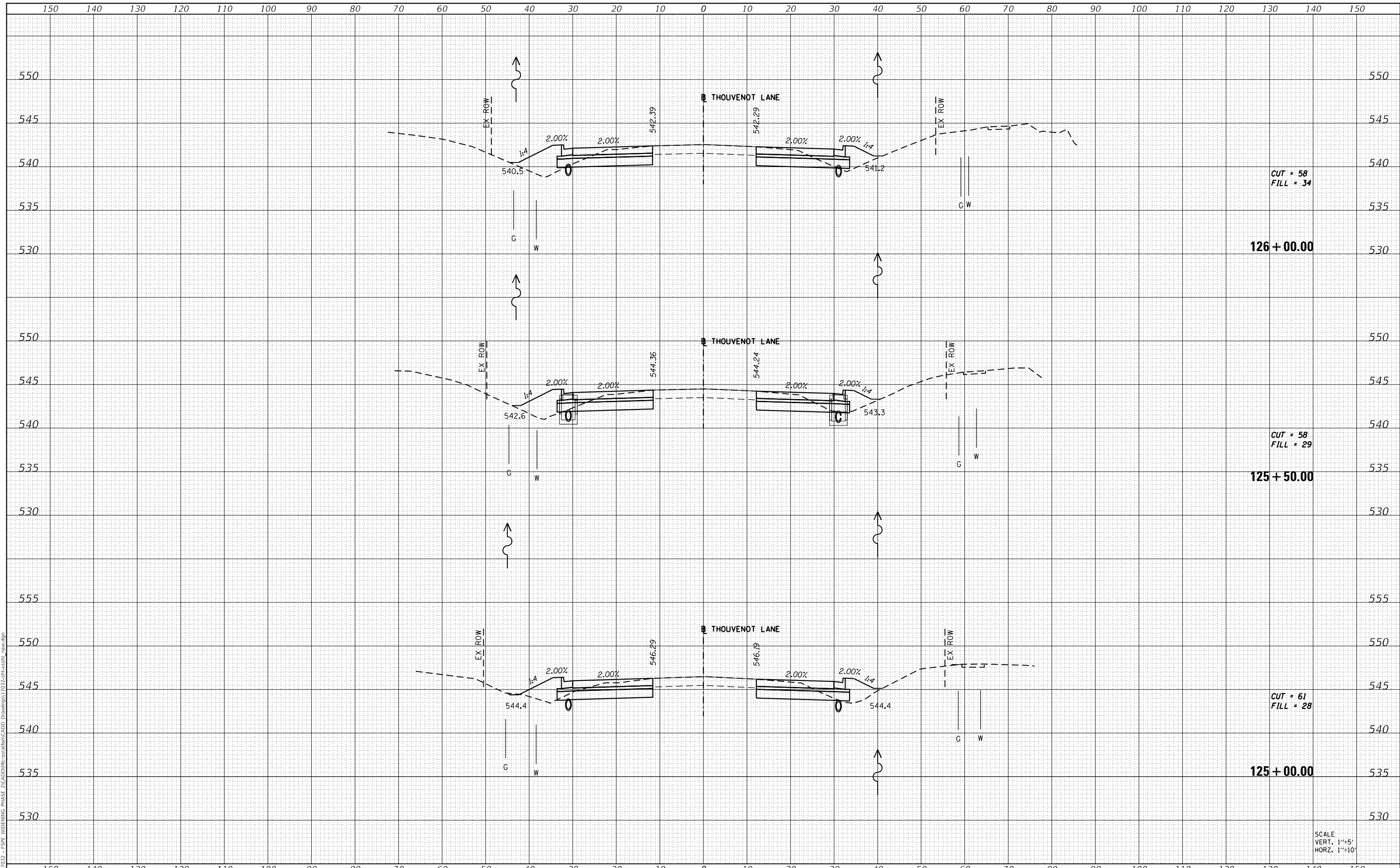
SCALE: SHEET 62 OF 87 SHEETS STA. 124+50.00 TO STA. 124+63.90

| | | | | |
|---------------------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 226 |
| | | | CONTRACT NO. 97752 | |
| ILLINOIS FED. AID PROJECT | | | | |

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|--------------|---------------|
| 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: Defaul
 FILE NAME: H:\117032 - FSPF WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs-stb_rev.dgn



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

| | | |
|-----------------------------|------------|-----------|
| USER NAME = scott.felot | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 10/18/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

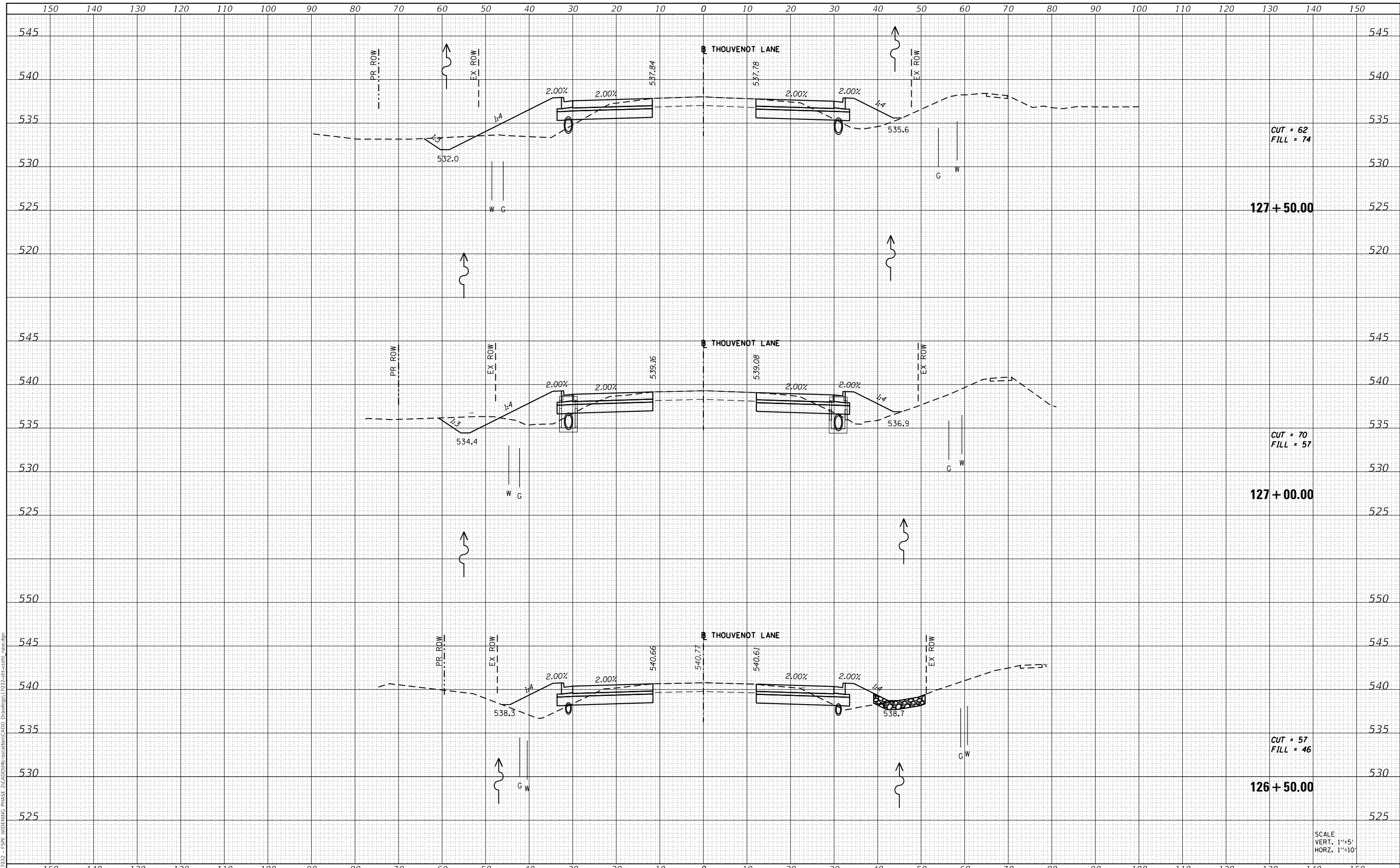
SCALE: SHEET 63 OF 87 SHEETS STA. 125+00.00 TO STA. 126+00.00

| | | | | |
|---------------------------|------------------------|------------------|------------------|--------------------|
| F.A.U. RTE. 9330 | SECTION 13-00301-15-PW | COUNTY ST. CLAIR | TOTAL SHEETS 251 | SHEET NO. 227 |
| ILLINOIS FED. AID PROJECT | | | | CONTRACT NO. 97752 |

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|--------------|--|
| 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: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ssh1_rev.dgn



CUT = 62
 FILL = 74

CUT = 70
 FILL = 57

CUT = 57
 FILL = 46

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



| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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

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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

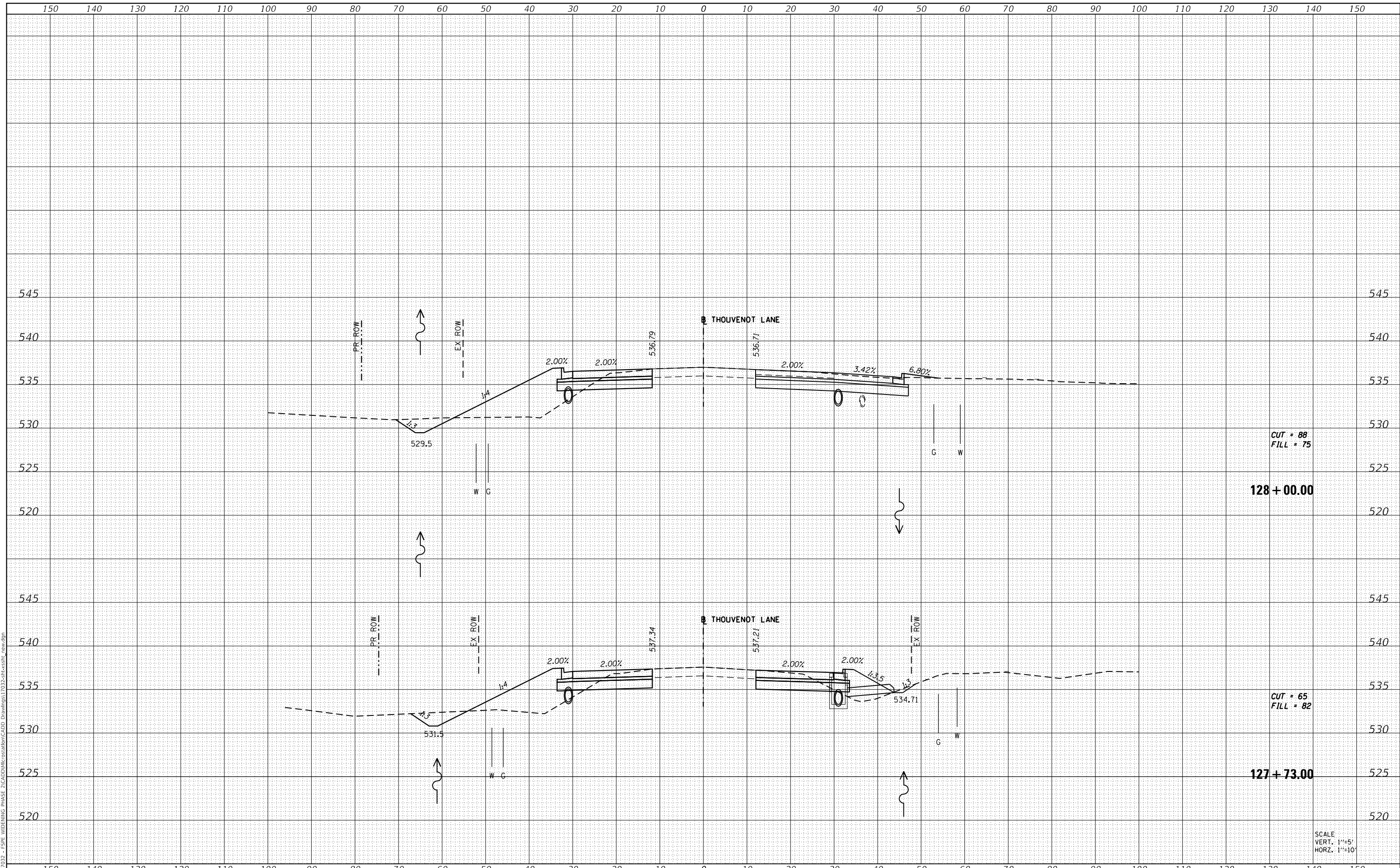
SCALE: SHEET 64 OF 87 SHEETS STA. 126+50.00 TO STA. 127+50.00

| | | | | |
|-------------|----------------|------------------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 228 |
| | | | CONTRACT NO. 97752 | |
| 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. | |

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ssht.dwg



CUT = 88
 FILL = 75

128 + 00.00

CUT = 65
 FILL = 82

127 + 73.00

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



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

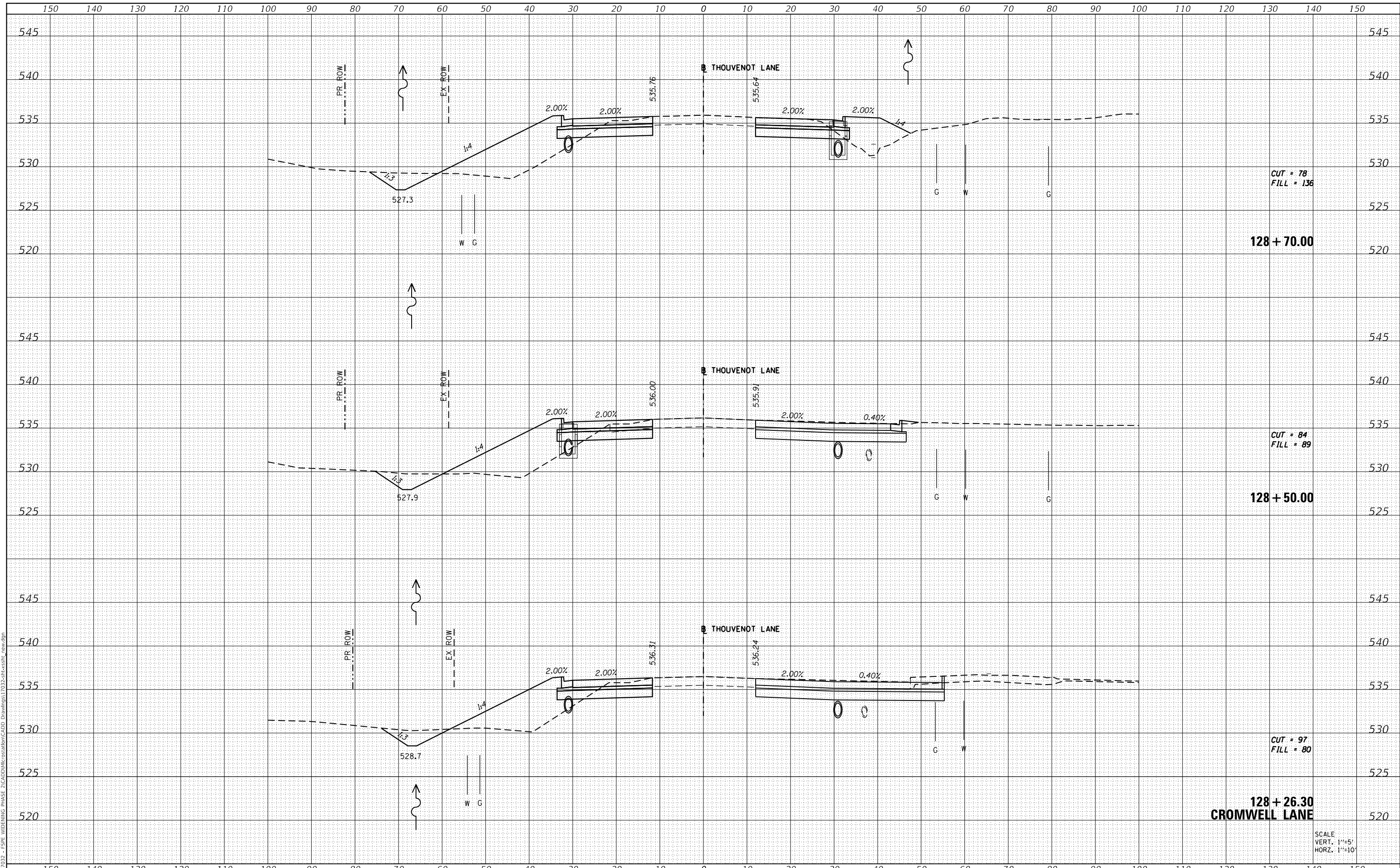
SCALE: SHEET 65 OF 87 SHEETS STA. 127+73.00 TO STA. 128+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 229 |
| CONTRACT NO. 97752 | | | 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: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ss11_rev.dgn



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |

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|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

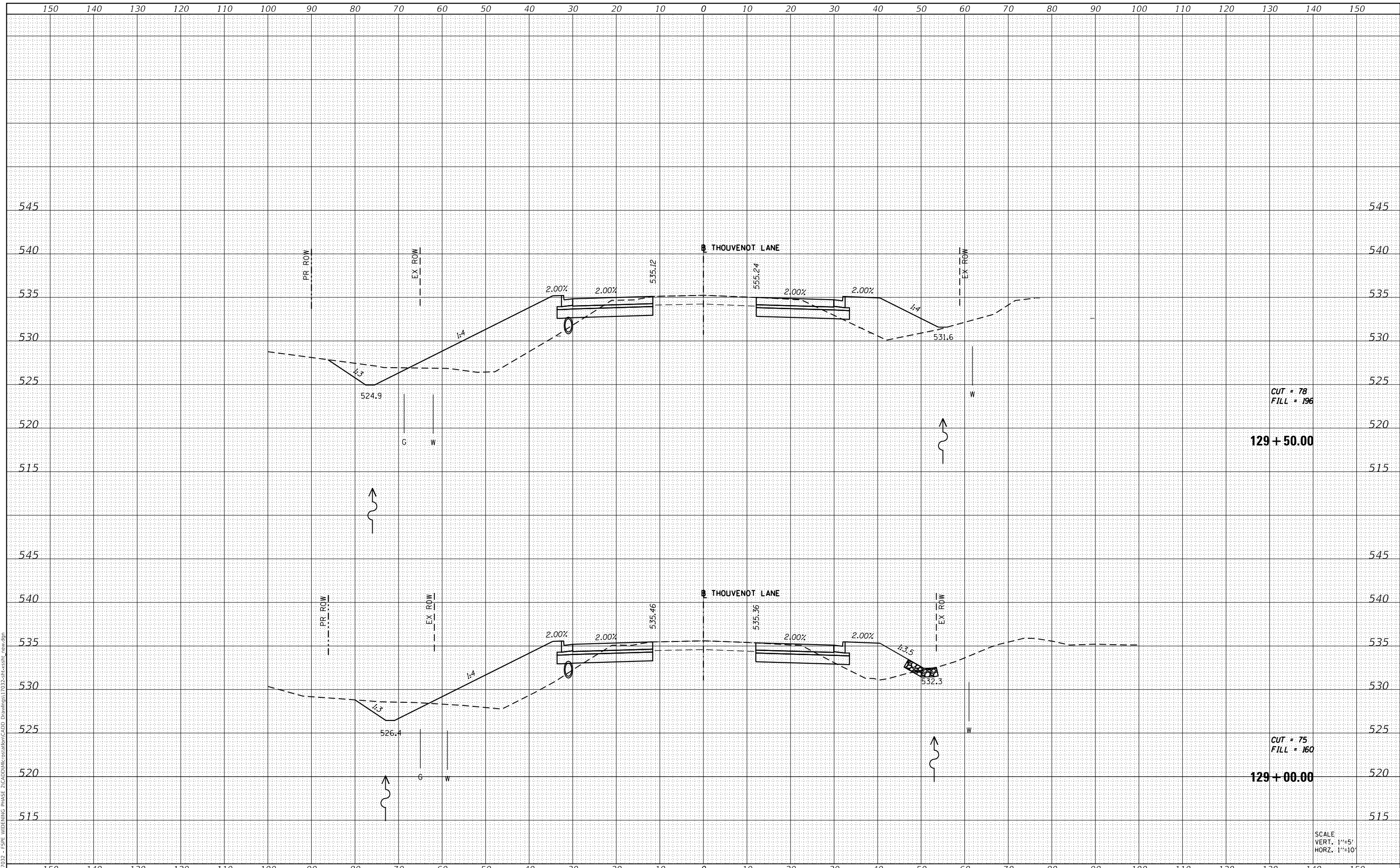
SCALE: SHEET 66 OF 87 SHEETS STA. 128+26.30 TO STA. 128+70.00

| | | | | |
|-------------|----------------|---------------------------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 230 |
| | | | CONTRACT NO. 97752 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

MODEL: Defn.dwg
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs-stb_rev.dwg



CUT = 78
 FILL = 196

129 + 50.00

CUT = 75
 FILL = 160

129 + 00.00

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



| | | |
|-----------------------------|------------|-----------|
| USER NAME = scott.felot | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 10/18/2021 | DATE - | REVISED - |



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

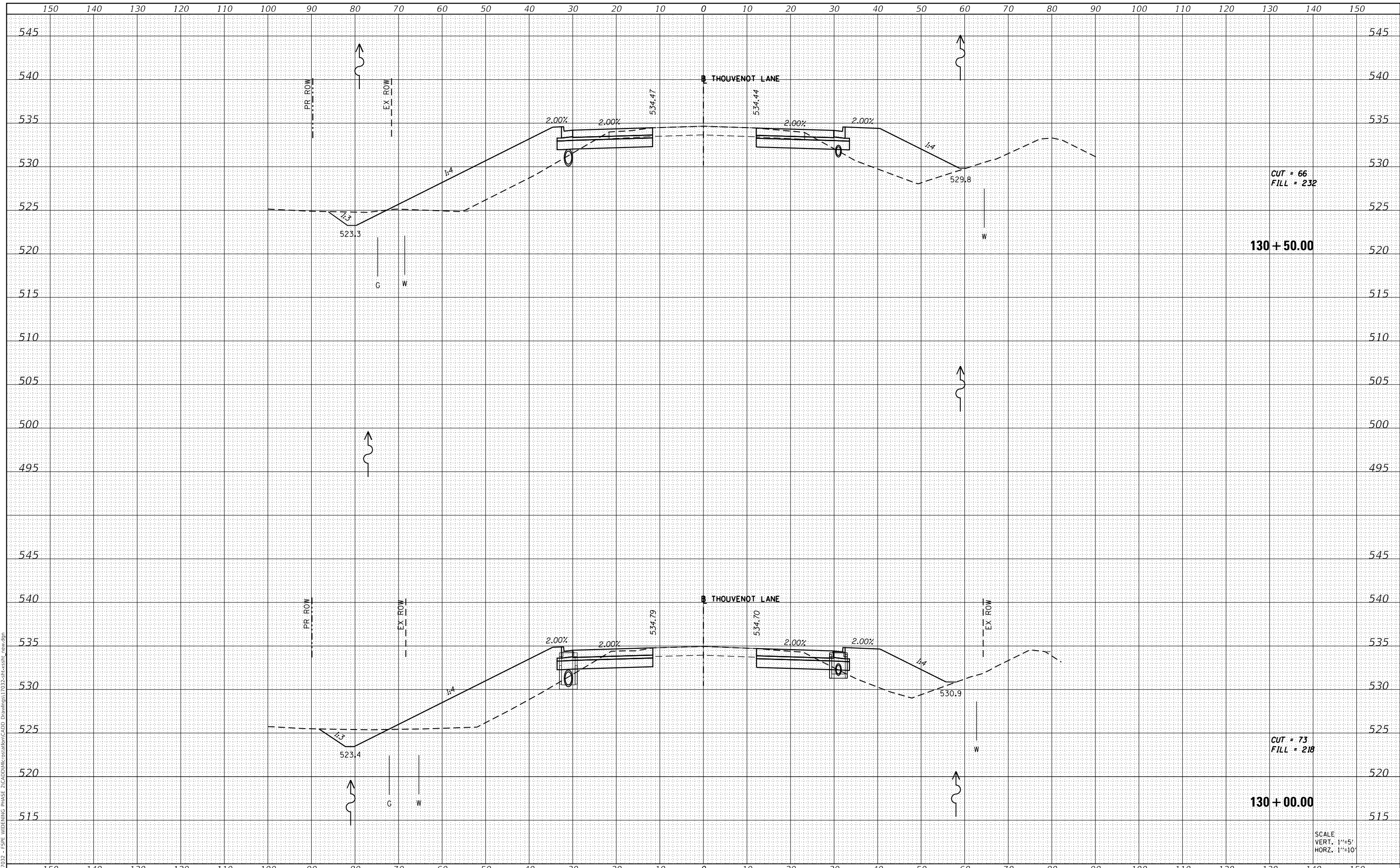
SCALE: SHEET 67 OF 87 SHEETS STA. 129+00.00 TO STA. 129+50.00

| | | | | |
|-------------|----------------|-----------|------------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 231 |
| | | | | CONTRACT NO. 97752 |
| | | 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: Definit
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-ar-ssht11.dwg



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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| REVISÉ | - |
| REVISÉ | - |
| REVISÉ | - |
| REVISÉ | - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

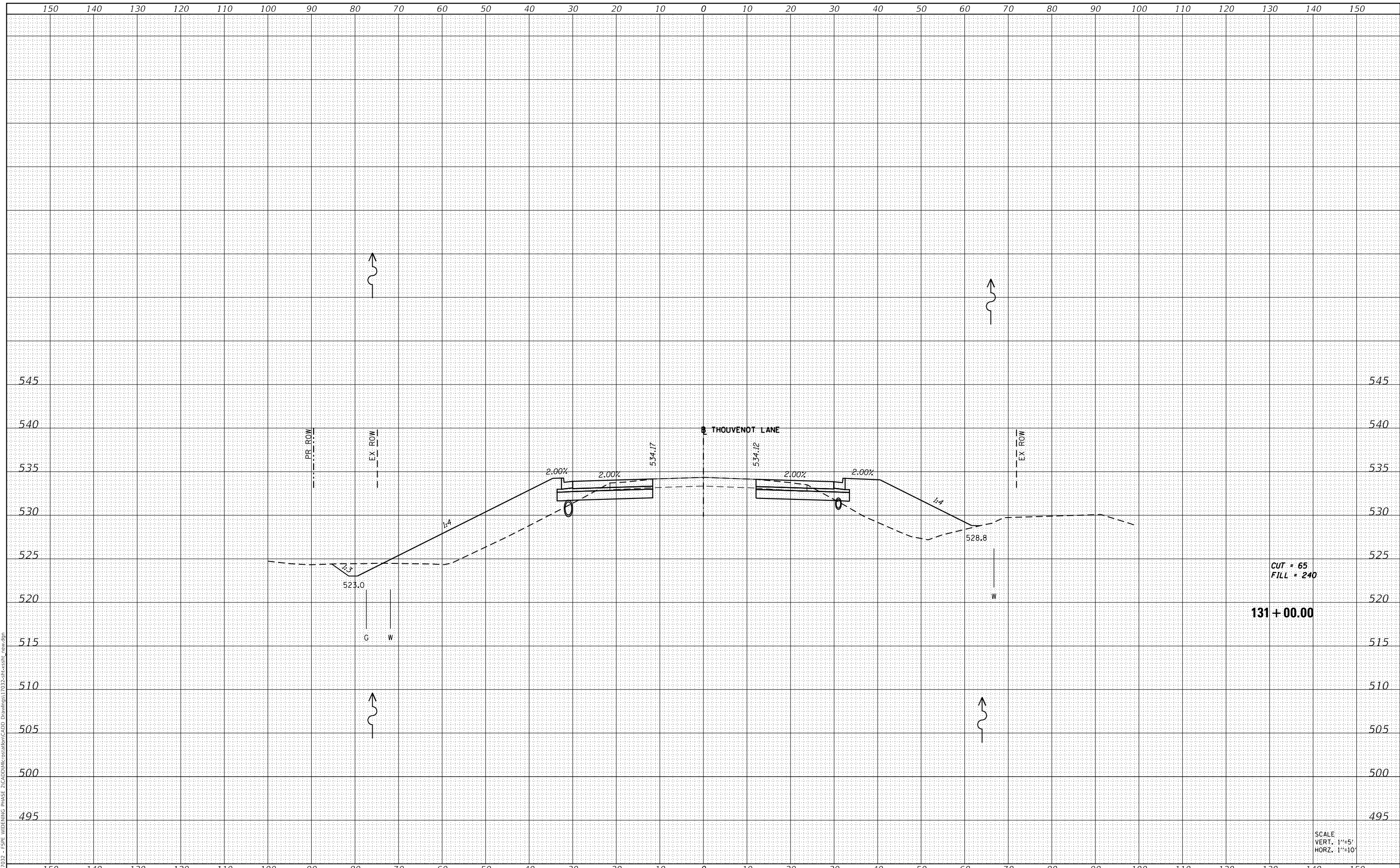
SCALE: SHEET 68 OF 87 SHEETS STA. 130+00.00 TO STA. 130+50.00

| | | | | |
|---------------------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 232 |
| | | | CONTRACT NO. 97752 | |
| 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.dwg
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11032-ar-cs-stb_rev.dwg



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| REVIS | |
| DATE - | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

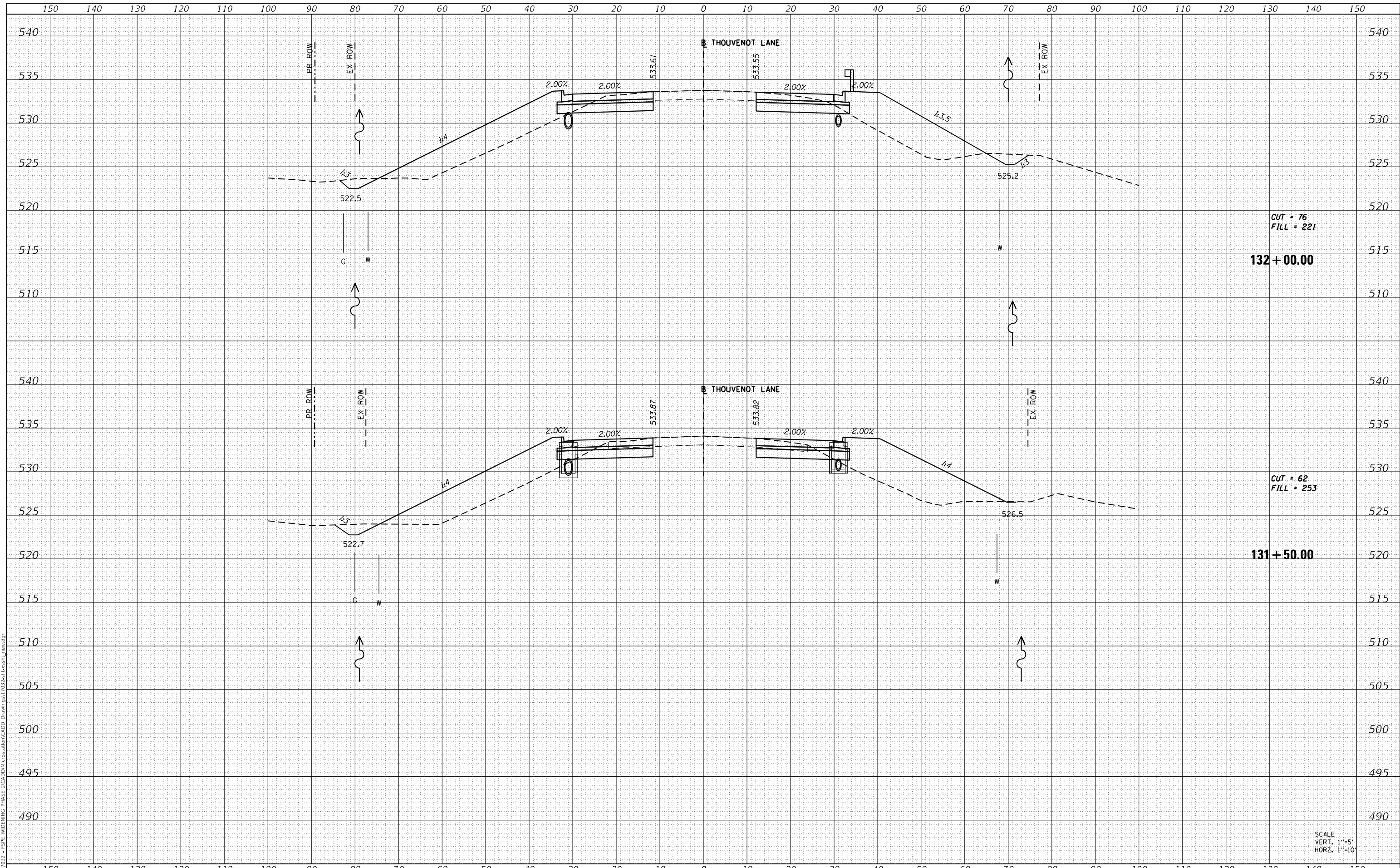
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| CROSS SECTIONS | |
| SCALE: | SHEET 69 OF 87 SHEETS STA. 131+00.00 TO STA. 131+00.00 |

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|--------------------|----------------|-----------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 233 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

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| 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. | |

MODEL: Defnair
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-ar-ssht_lev.dgn



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



| | |
|-------------|-------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
| DATE - | |
| REVIS | |
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| REVIS | |
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| DESIGNED - | |
| DRAWN - | |
| CHECKED - | |
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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

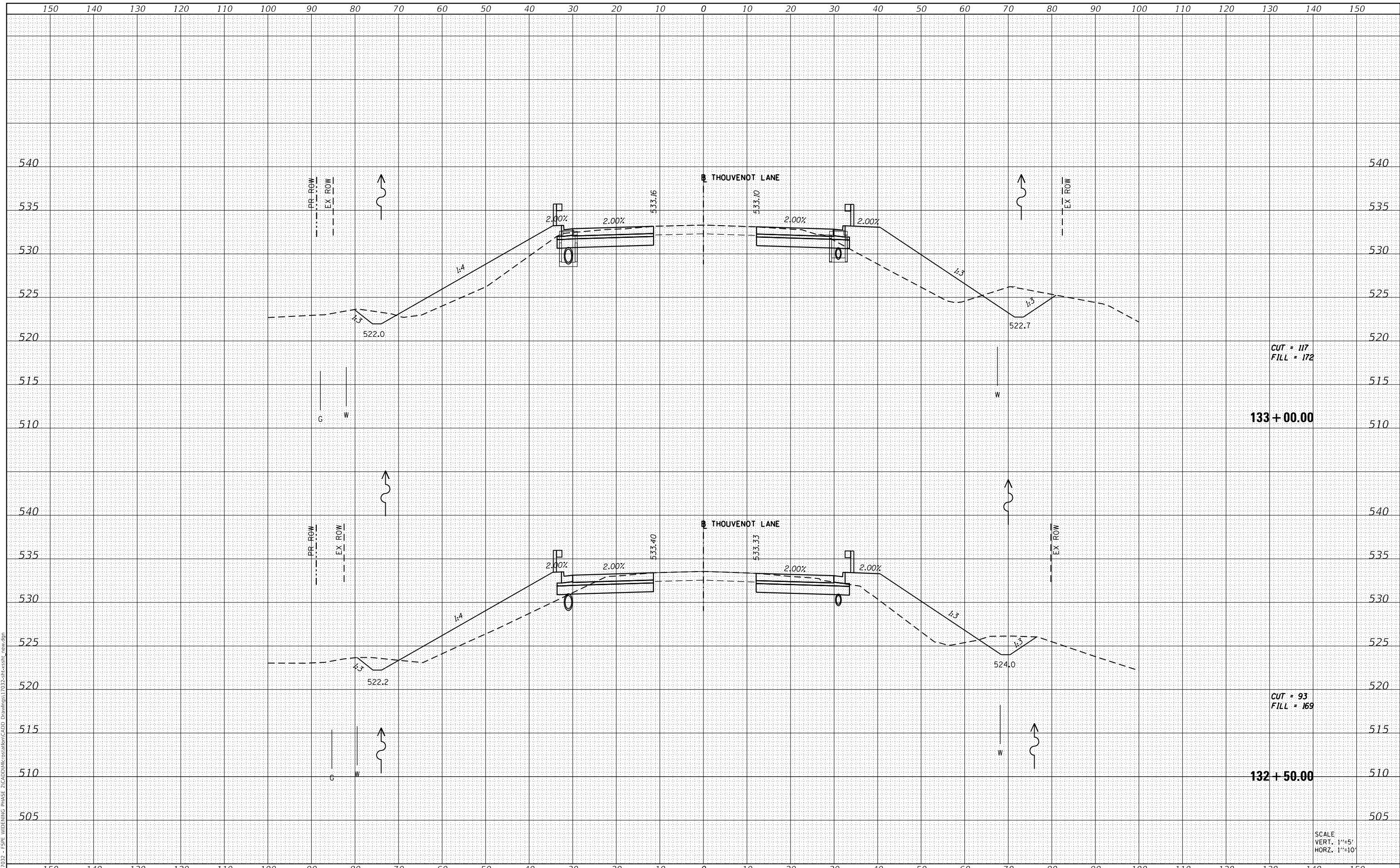
SCALE: SHEET 70 OF 87 SHEETS STA. 131+50.00 TO STA. 132+00.00

| | | | | |
|---------------------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 234 |
| | | | CONTRACT NO. 97752 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Definit
 FILE NAME: H1311032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11032-ar-cs-stb_rev.dgn



CUT = 117
 FILL = 172

133 + 00.00

CUT = 93
 FILL = 169

132 + 50.00

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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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| REVISD | - |
| REVISD | - |
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| REVISD | - |



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

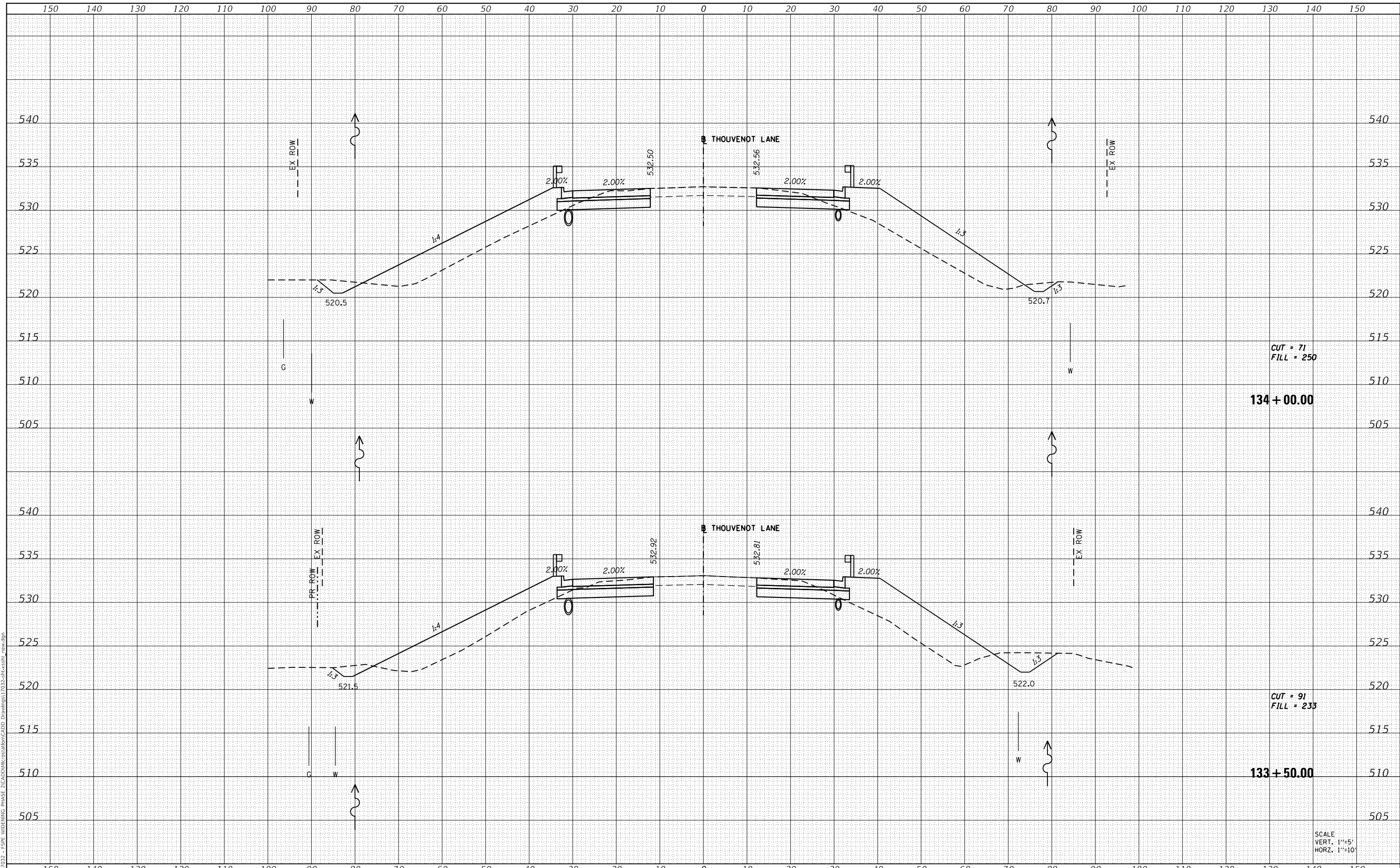
SCALE: SHEET 71 OF 87 SHEETS STA. 132+50.00 TO STA. 133+00.00

| | | | | |
|-------------|----------------|-----------|--------------|---------------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 235 |
| | | | | CONTRACT NO. 97752 |
| | | | | ILLINOIS FED. AID PROJECT |

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

MODEL: Defn.dwg
 FILE NAME: H:\117032 - FSPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs-stb_rev.dwg



CUT = 71
 FILL = 250

134 + 00.00

CUT = 91
 FILL = 233

133 + 50.00

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



USER NAME = scott.felot
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

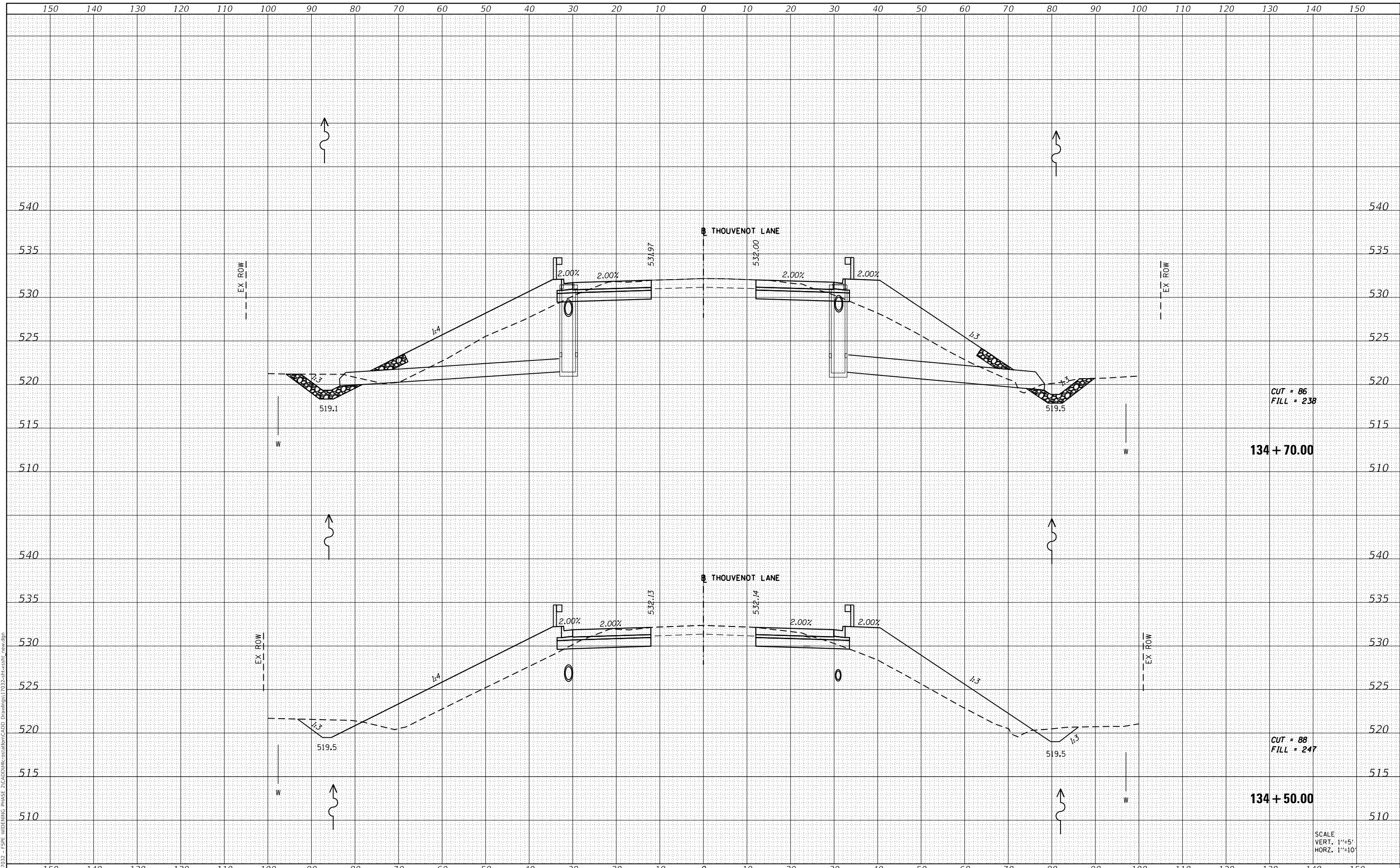
SCALE: SHEET 72 OF 87 SHEETS STA. 133+50.00 TO STA. 134+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 236 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs-stb_rev.dgn



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

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|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

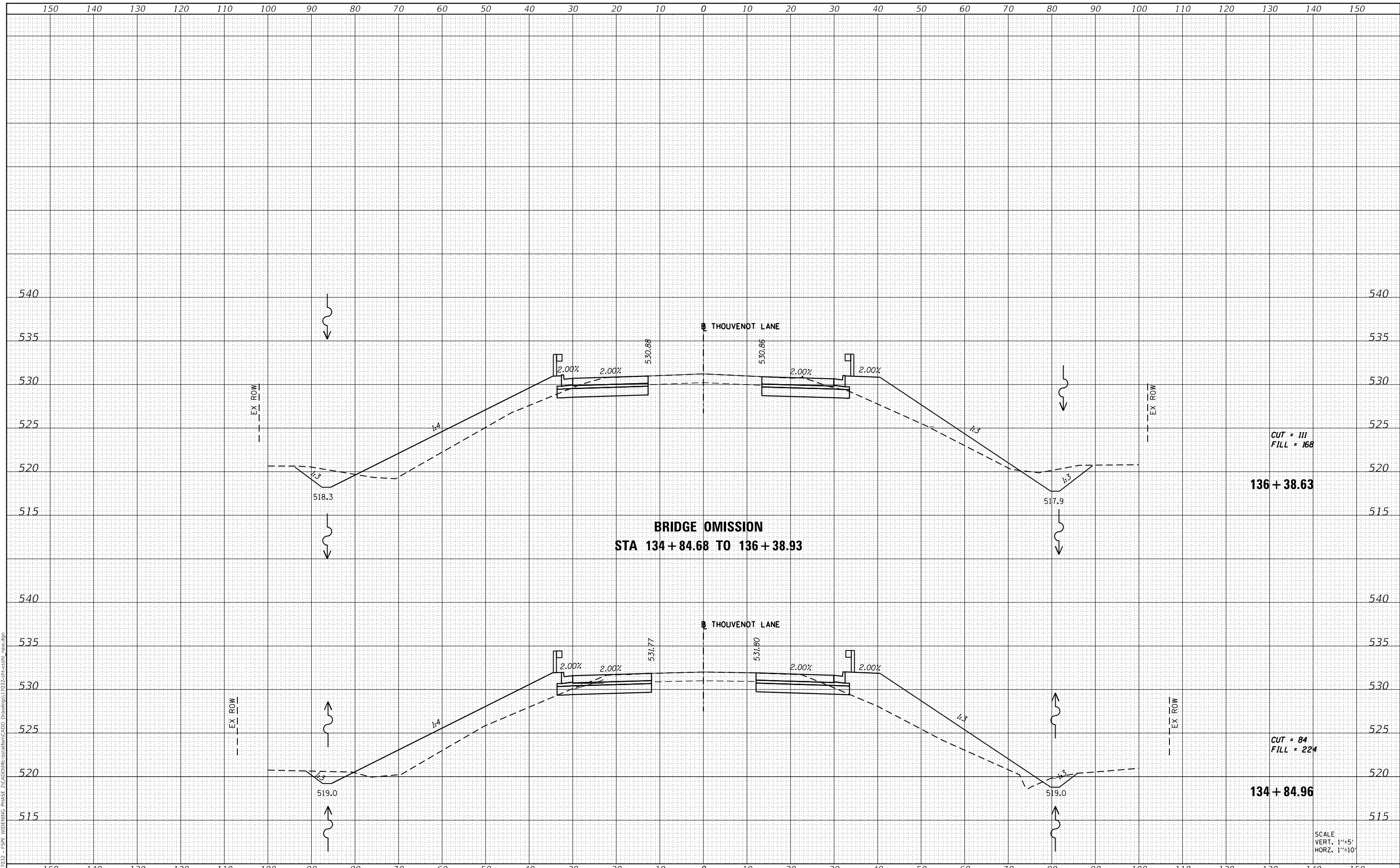
SCALE: SHEET 73 OF 87 SHEETS STA. 134+50.00 TO STA. 134+70.00

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|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 237 |
| | | | CONTRACT NO. 97752 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ssht_lev.dgn



CUT = 111
 FILL = 168

136 + 38.63

BRIDGE OMISSION
STA 134 + 84.68 TO 136 + 38.93

CUT = 84
 FILL = 224

134 + 84.96

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



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
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| DATE | - |

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ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

CROSS SECTIONS

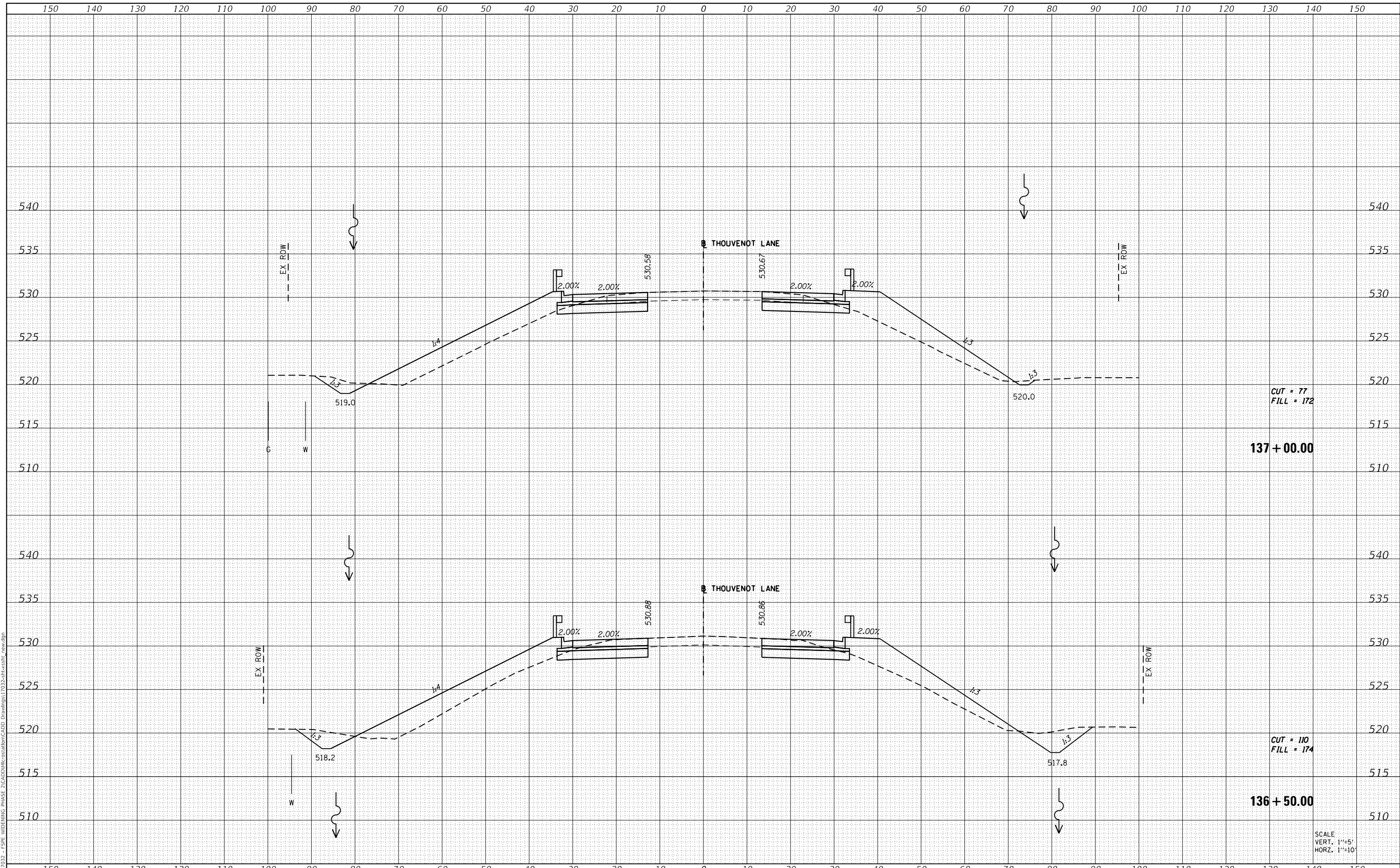
SCALE: SHEET 74 OF 87 SHEETS STA. 134+84.96 TO STA. 136+38.63

| | | | | |
|-------------|----------------|-----------|--------------|---------------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 238 |
| | | | | CONTRACT NO. 97752 |
| | | | | ILLINOIS FED. AID PROJECT |

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs-stb_rev.dgn



CUT = 77
 FILL = 172

137 + 00.00

CUT = 110
 FILL = 174

136 + 50.00

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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

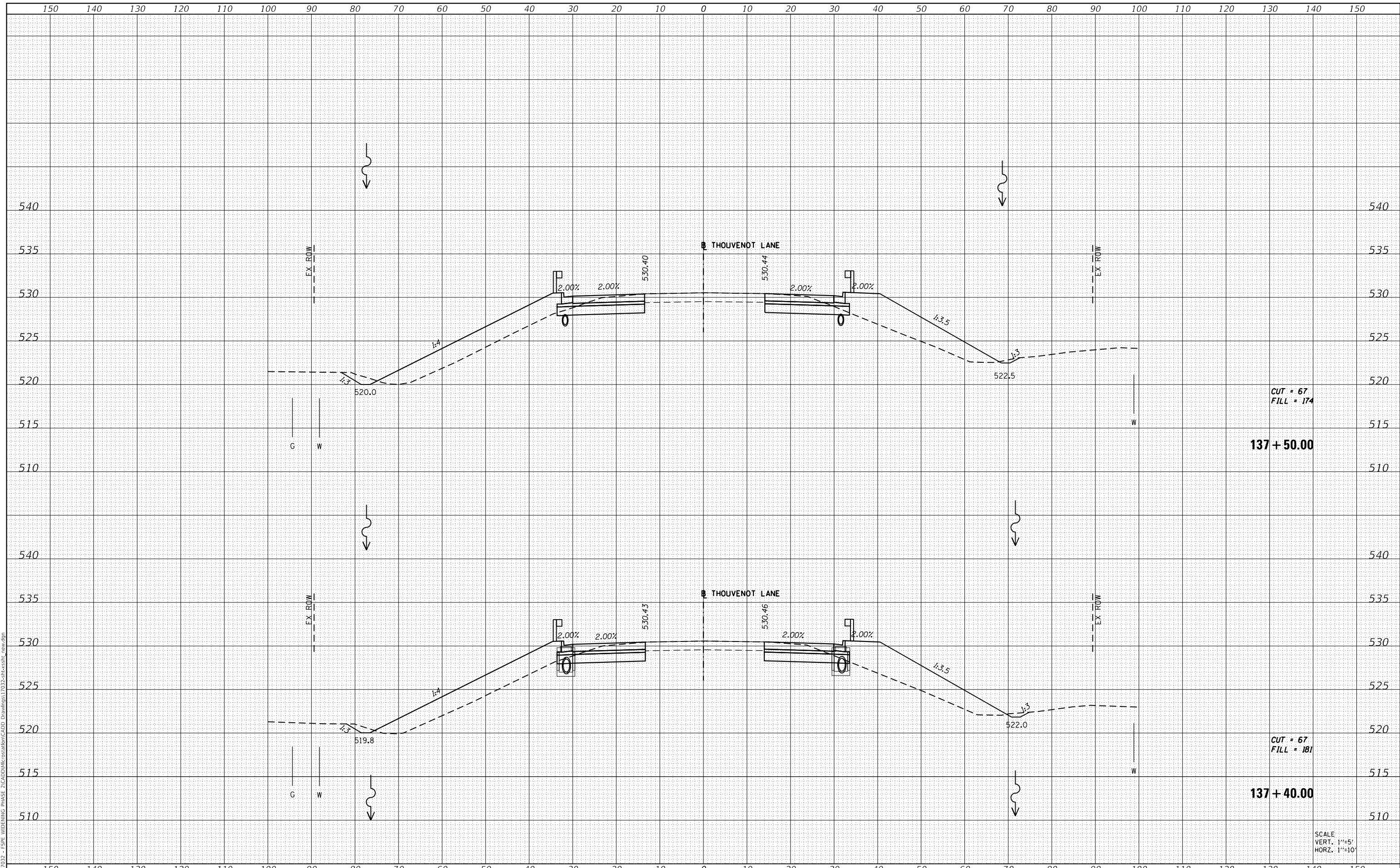
SCALE: SHEET 75 OF 87 SHEETS STA. 136+50.00 TO STA. 137+00.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 239 |
| | | | CONTRACT NO. 97752 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defn.dwg
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs87.dwg



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|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| 1 | REVISIONS |
| 2 | REVISIONS |
| 3 | REVISIONS |
| 4 | REVISIONS |
| 5 | REVISIONS |

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| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| 1 | REVISIONS |
| 2 | REVISIONS |
| 3 | REVISIONS |
| 4 | REVISIONS |
| 5 | REVISIONS |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

SCALE: SHEET 76 OF 87 SHEETS STA. 137+40.00 TO STA. 137+50.00

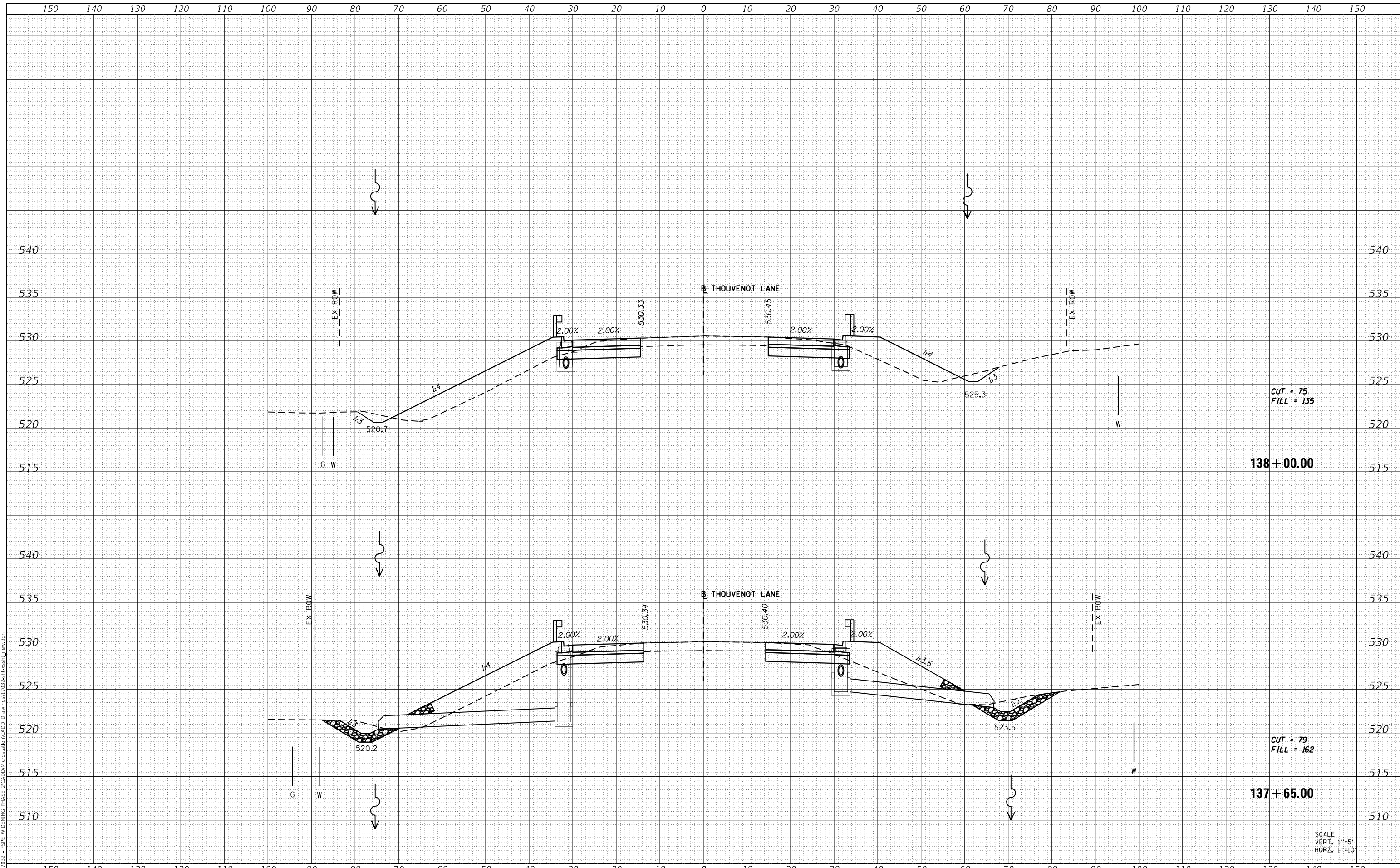
| | | | | |
|--------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 240 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

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

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

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

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs-stb_rev.dgn



CUT = 75
 FILL = 135

138 + 00.00

CUT = 79
 FILL = 162

137 + 65.00

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



| | |
|--------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| PLotted DATE | = 10/18/2021 |

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

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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

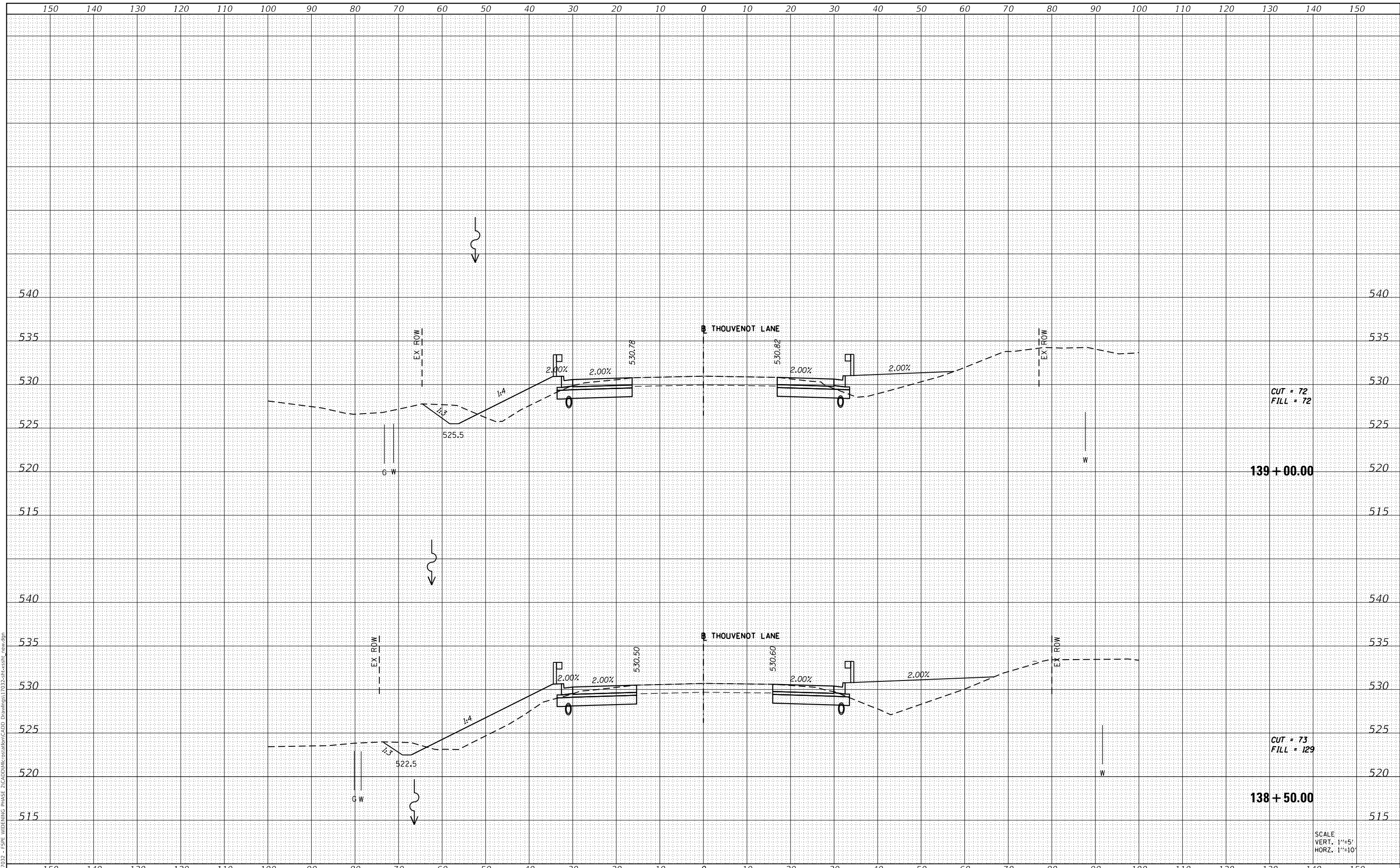
SCALE: SHEET 77 OF 87 SHEETS STA. 137+65.00 TO STA. 138+00.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 241 |
| | | | CONTRACT NO. 97752 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defn.dwg
 FILE NAME: H:\111032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\111032-ar-cr-ss11.dwg



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



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| PLOT SCALE | = 20.0000 ' / in. |
| PLOT DATE | = 10/18/2021 |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

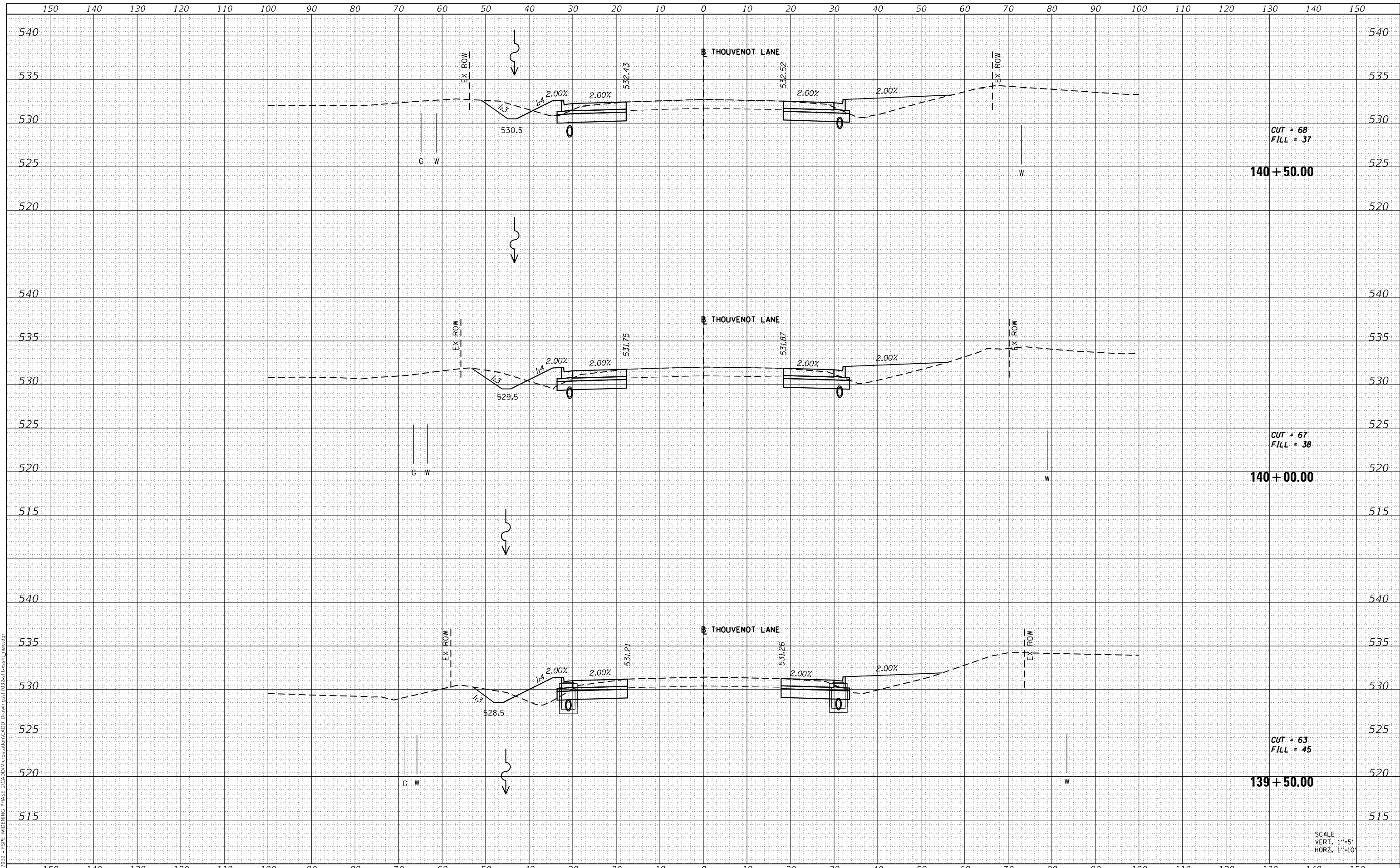
SCALE: SHEET 78 OF 87 SHEETS STA. 138+50.00 TO STA. 139+00.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|-----------|---------------------------|-----------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 242 |
| CONTRACT NO. 97752 | | | ILLINOIS FED. AID PROJECT | |

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

MODEL: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ss11.dwg



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



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |
| REVISIONS | |
| NO. | |
| DATE | |
| BY | |
| REASON | |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

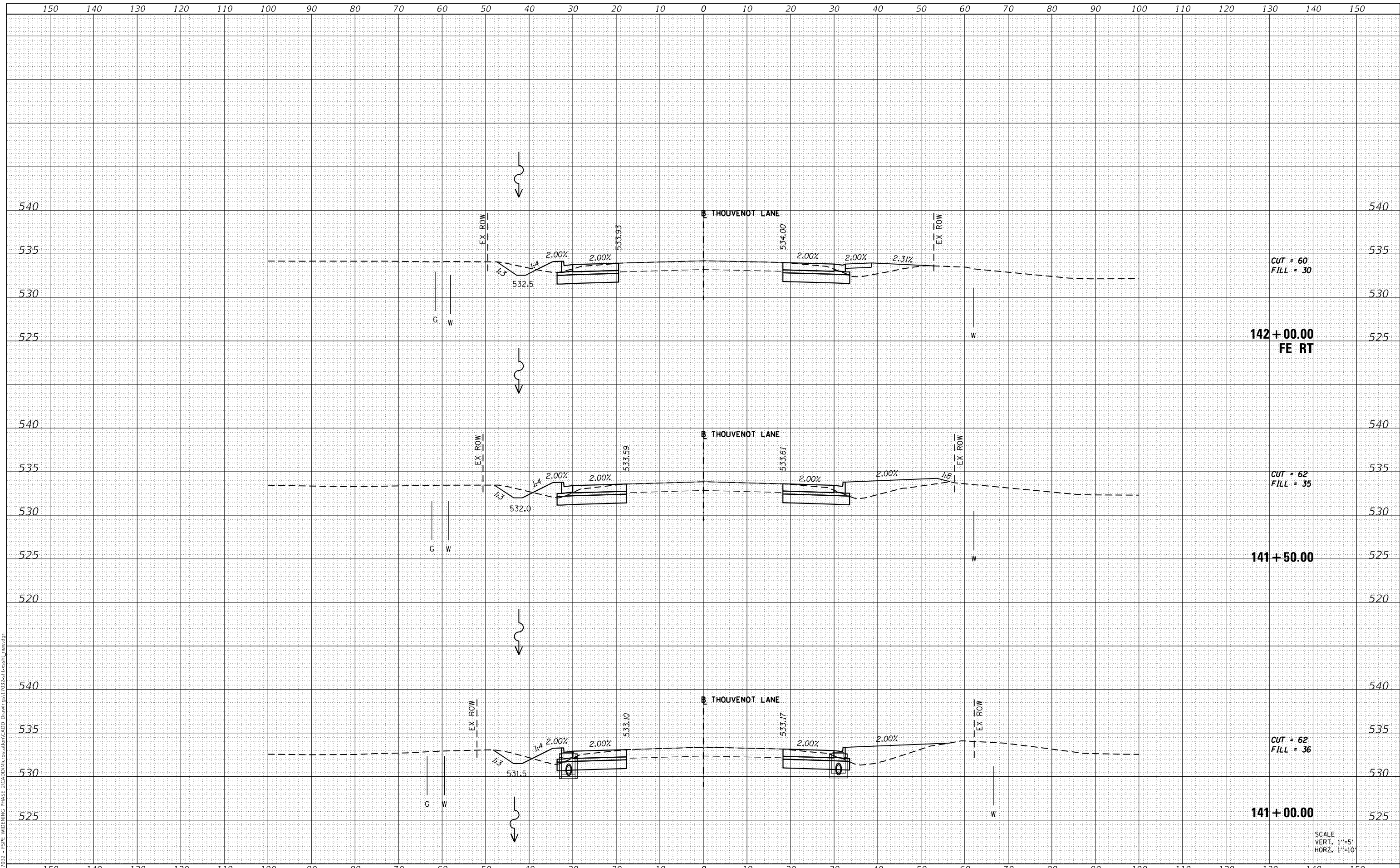
SCALE: SHEET 79 OF 87 SHEETS STA. 139+50.00 TO STA. 140+50.00

| | | | | |
|--------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 243 |
| CONTRACT NO. 97752 | | | | |
| 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-ssht1.dwg



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

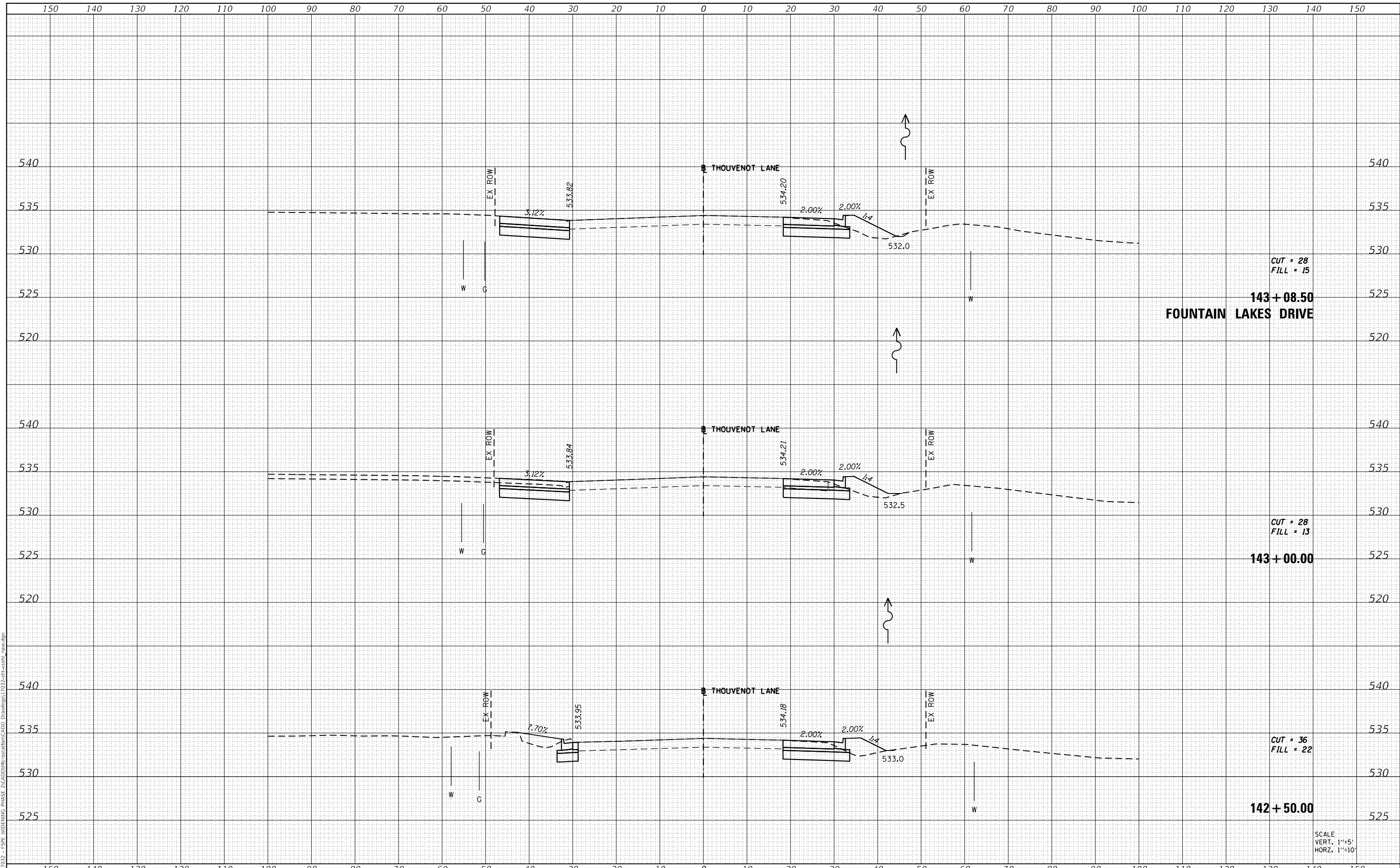
SCALE: SHEET 80 OF 87 SHEETS STA. 141+00.00 TO STA. 142+00.00

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 244 |
| | | | | CONTRACT NO. 97752 |
| ILLINOIS | | | | FED. AID PROJECT |

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

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

MODEL: Definit
 FILE NAME: H1411032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\11032-ar-ssht1_rev.dgn



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



| | |
|-------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

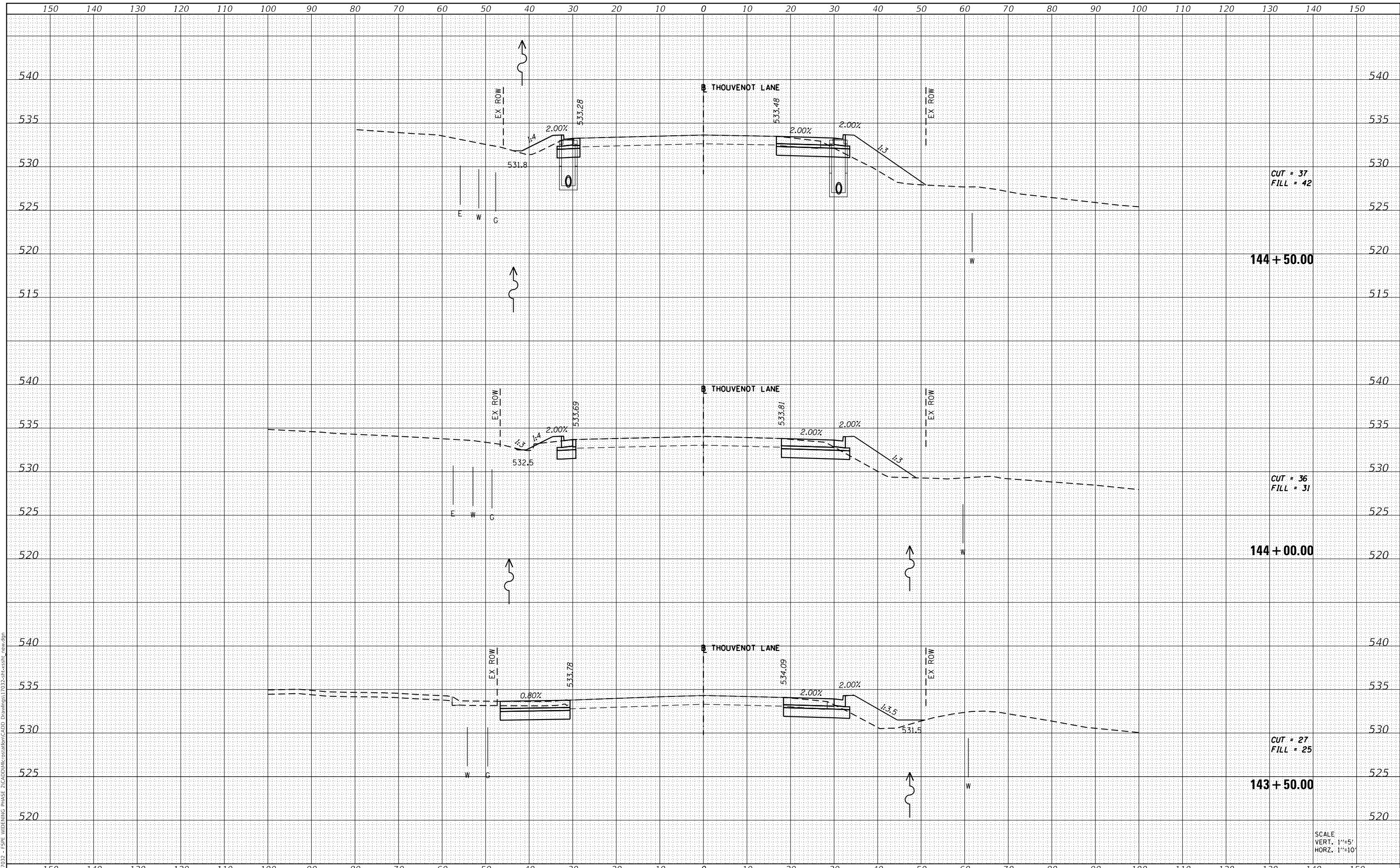
SCALE: SHEET 81 OF 87 SHEETS STA. 142+50.00 TO STA. 143+08.50

| | | | | |
|---------------------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 245 |
| | | | | CONTRACT NO. 97752 |
| 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: Defaul
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cs87.dwg



CUT = 37
 FILL = 42

CUT = 36
 FILL = 31

CUT = 27
 FILL = 25

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



USER NAME = scott.felot
 PLOT SCALE = 20.0000 ' / in.
 PLOT DATE = 10/18/2021

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

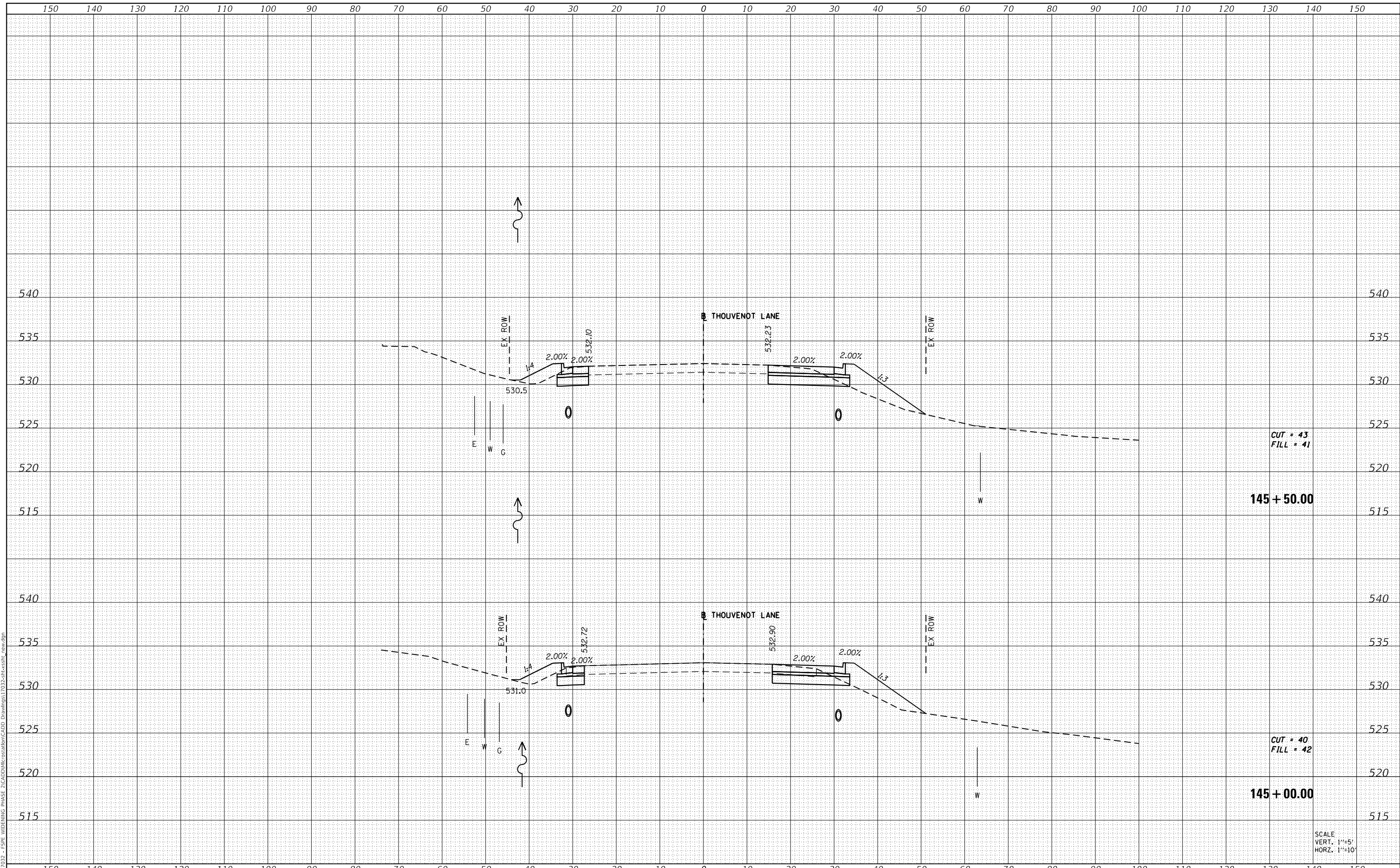
SCALE: SHEET 82 OF 87 SHEETS STA. 143+50.00 TO STA. 144+50.00

| | | | | |
|-------------|----------------|-----------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 246 |
| | | | CONTRACT NO. 97752 | |
| | | 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ss11.dwg



| | |
|-----------|---------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |

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| REVISÉ | - |
| REVISÉ | - |
| REVISÉ | - |
| REVISÉ | - |



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

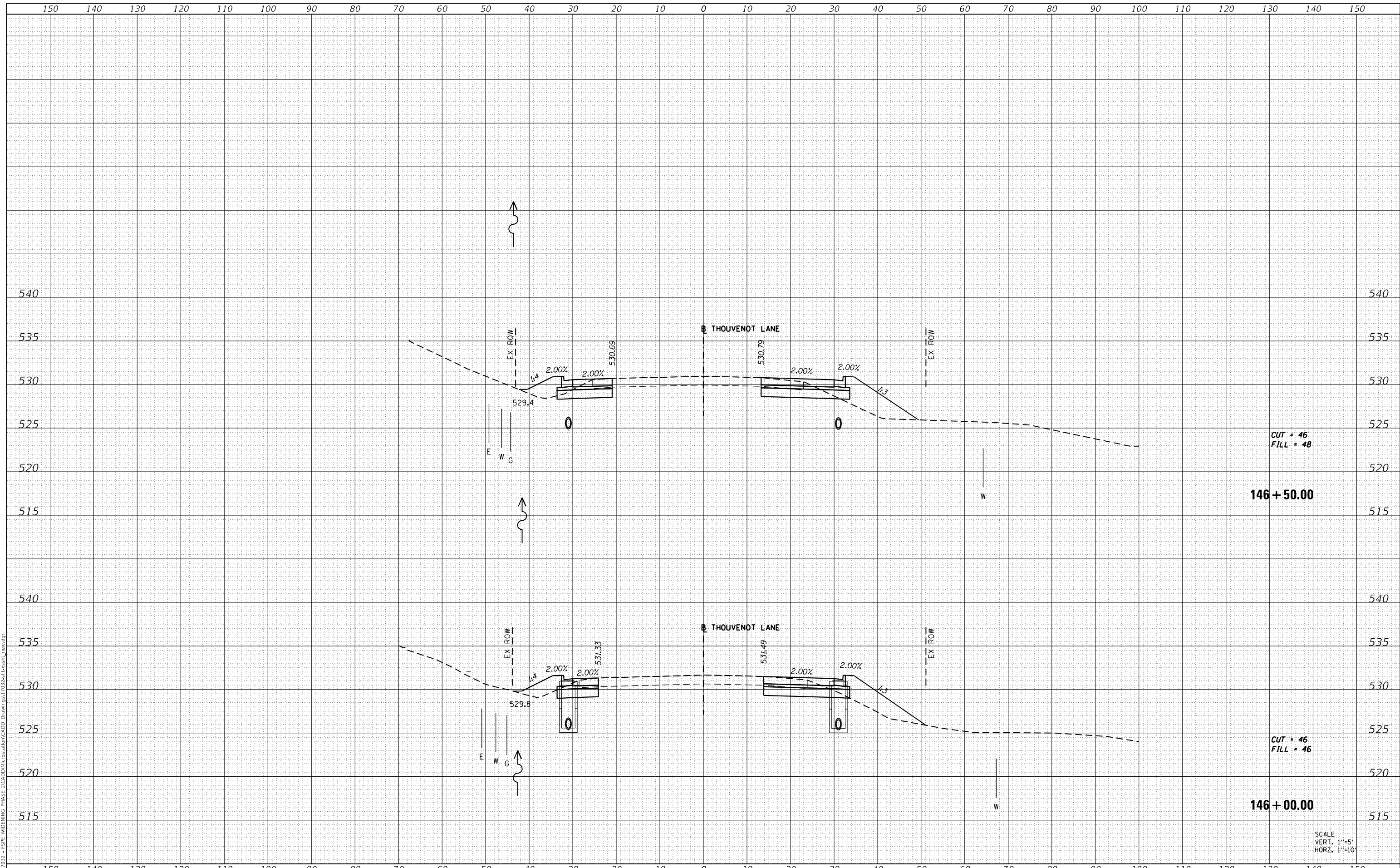
SCALE: SHEET 83 OF 87 SHEETS STA. 145+00.00 TO STA. 145+50.00

| | | | | |
|--------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 247 |
| CONTRACT NO. 97752 | | | | |
| 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: Definit
 FILE NAME: H1411032 - FSP WIDENING PHASE 2\CAD\MicroStation\CADD Drawings\11032-ar-cr-ss11.dwg



| | |
|------------|-------------------|
| USER NAME | = scott.felot |
| DESIGNED | - |
| DRAWN | - |
| PLOT SCALE | = 20.0000 ' / in. |
| CHECKED | - |
| DATE | = 10/18/2021 |

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

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

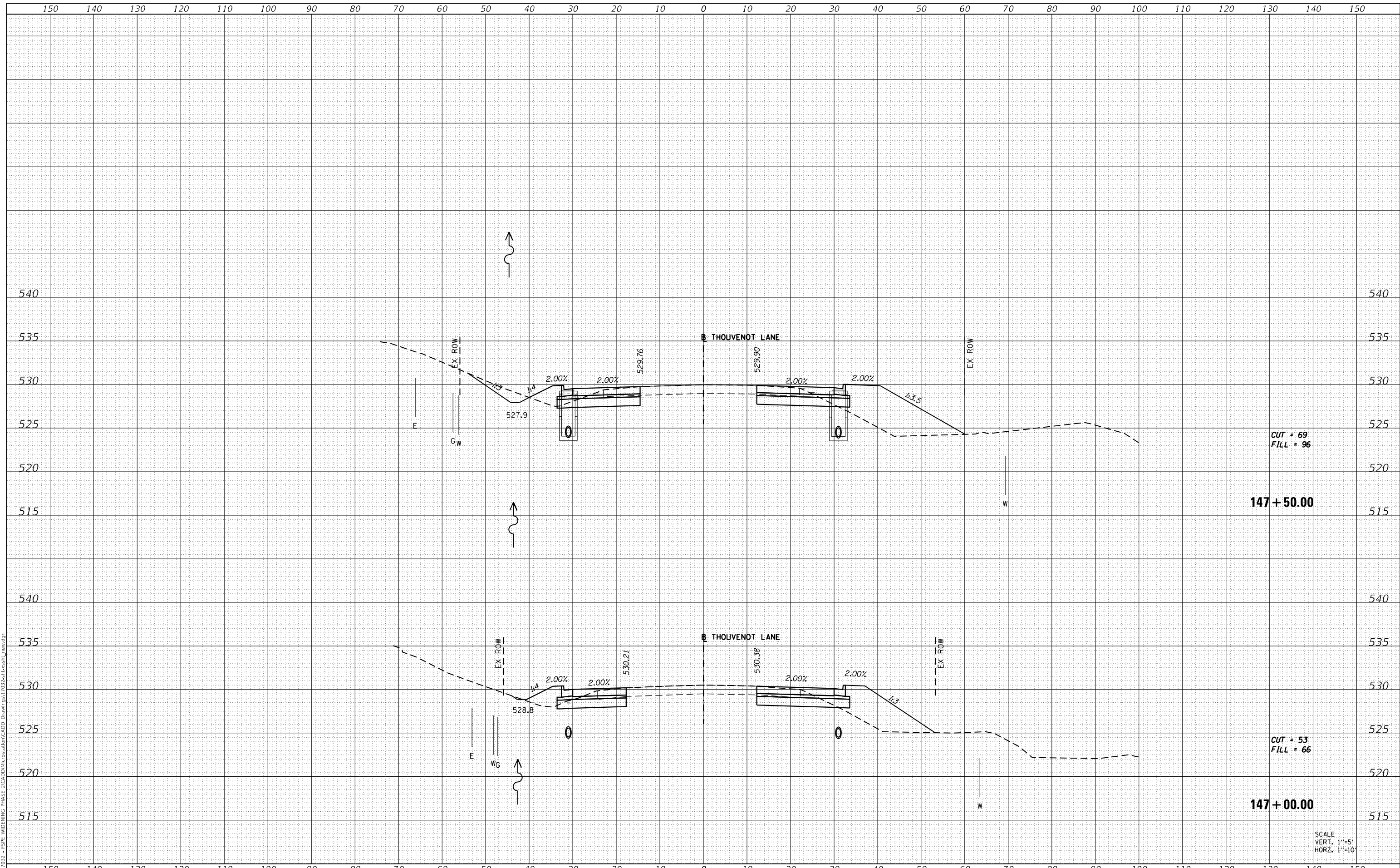
SCALE: SHEET 84 OF 87 SHEETS STA. 146+00.00 TO STA. 146+50.00

| | | | | |
|-------------|----------------|-----------|--------------|---------------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 248 |
| | | | | CONTRACT NO. 97752 |
| | | | | 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.dwg
 FILE NAME: H:\117032 - FSPW WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ss11.dwg



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

| | |
|--------------|----------------|
| USER NAME = | scott.felot |
| PLOT SCALE = | 20.0000' / in. |
| PLOT DATE = | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

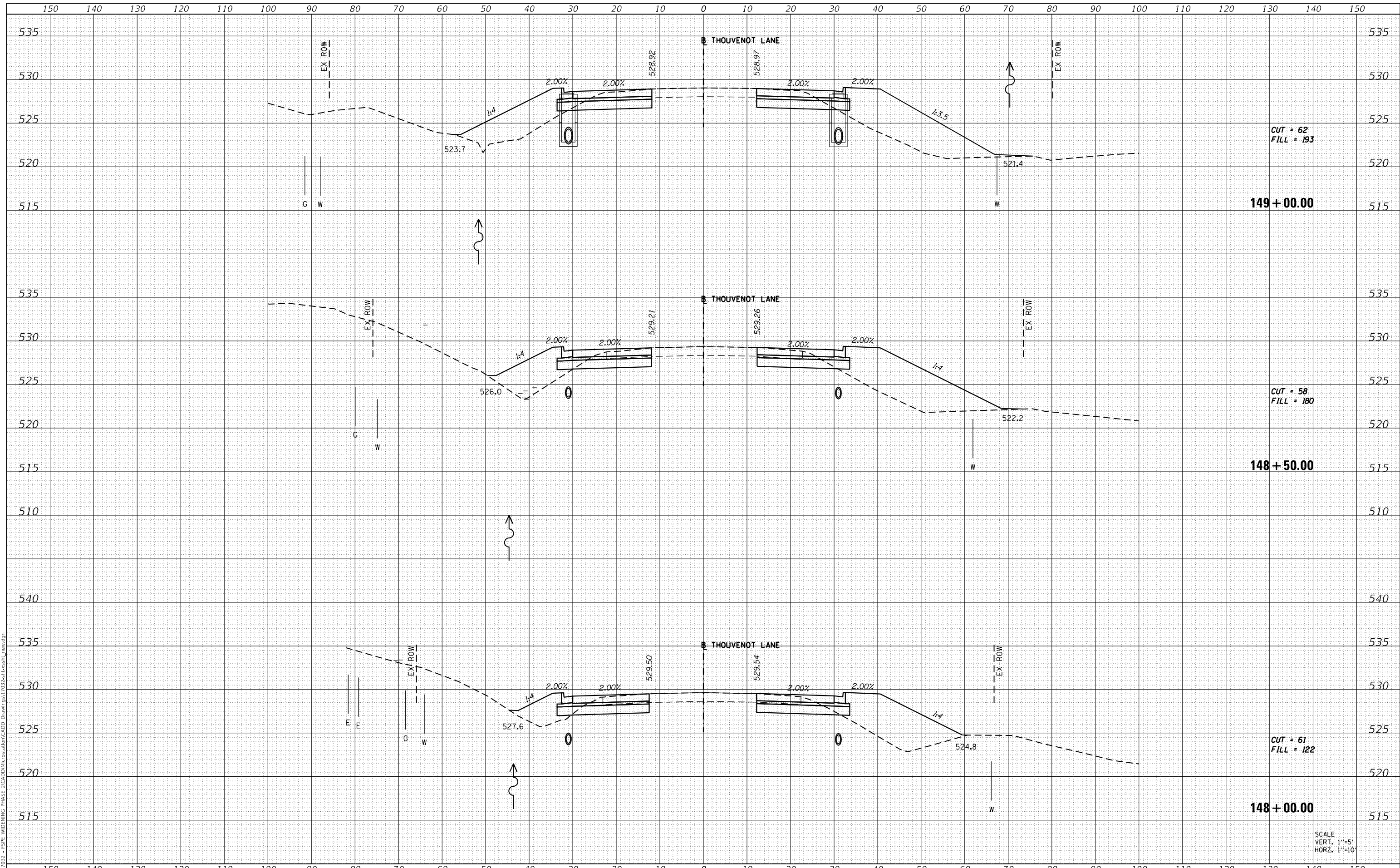
SCALE: SHEET 85 OF 87 SHEETS STA. 147+00.00 TO STA. 147+50.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|-----------|--------------|---------------------------|
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 249 |
| | | | | CONTRACT NO. 97752 |
| | | | | 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ss11.dwg



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



| |
|-----------------------------|
| USER NAME = scott.felot |
| PLOT SCALE = 20.0000' / in. |
| PLOT DATE = 10/18/2021 |

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



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

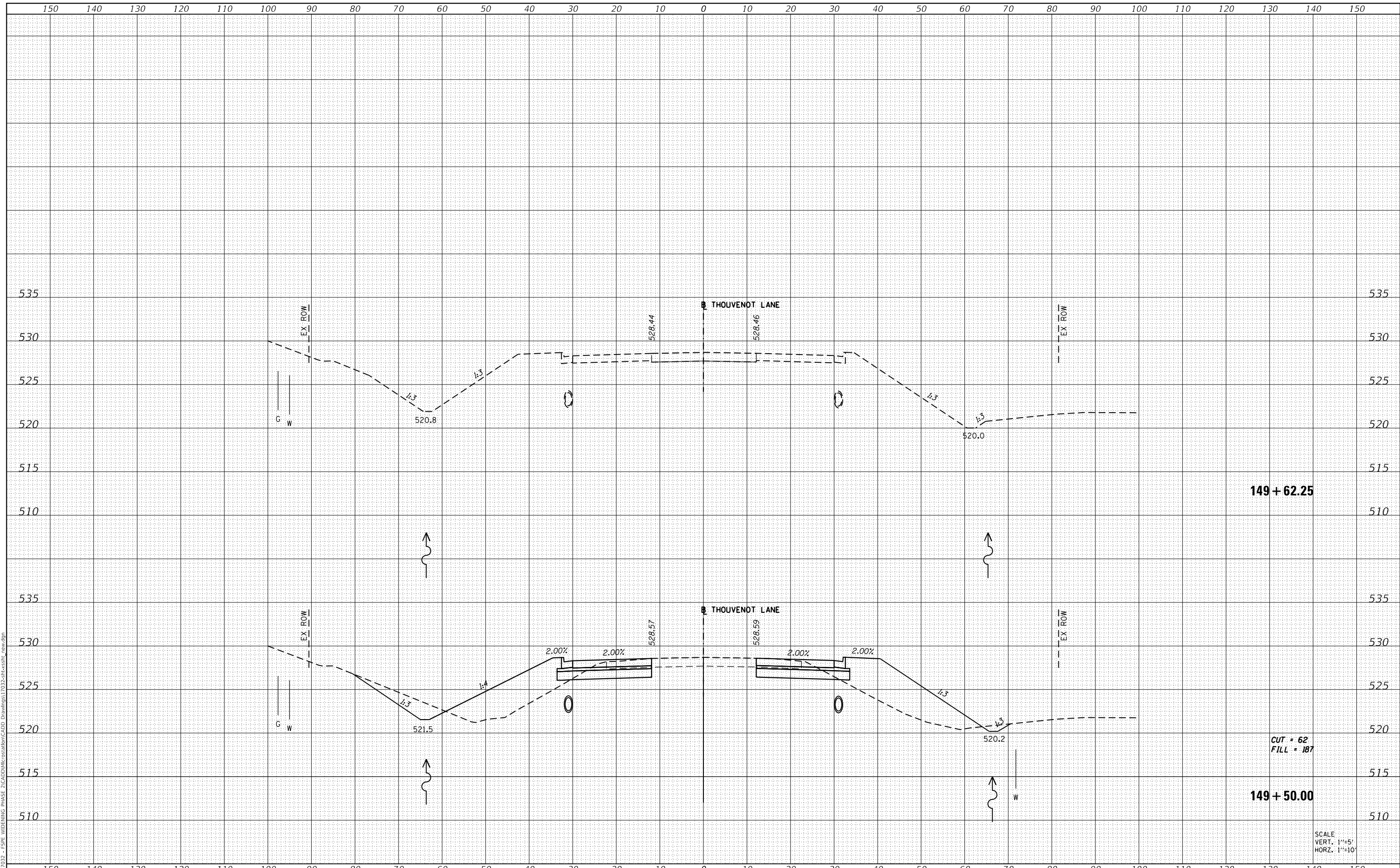
SCALE: SHEET 86 OF 87 SHEETS STA. 148+00.00 TO STA. 149+00.00

| | | | | |
|-------------|----------------|-----------|--------------|--------------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 250 |
| | | | | CONTRACT NO. 97752 |
| 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: Definit
 FILE NAME: H:\117032 - FSP WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\117032-ar-cr-ssht1.dwg



149 + 62.25

CUT = 62
 FILL = 187

149 + 50.00

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



| | |
|--------------|-----------------|
| USER NAME = | scott.felot |
| DESIGNED - | |
| DRAWN - | |
| PLOT SCALE = | 20.0000 ' / in. |
| CHECKED - | |
| DATE - | 10/18/2021 |

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



ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES

CROSS SECTIONS

SCALE: SHEET 87 OF 87 SHEETS STA. 149+50.00 TO STA. 149+50.00

| | | | | |
|---------------------------|----------------|-----------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9330 | 13-00301-15-PW | ST. CLAIR | 251 | 251 |
| CONTRACT NO. 97752 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |