

| F.A.S. RTE  | SECTION | COUNTY    | TOTAL SHEETS       | SHEET NO |
|-------------|---------|-----------|--------------------|----------|
| 509         | (84)RS  | VERMILION | 47                 | 1        |
| P-95-026-20 |         | ILLINOIS  | CONTRACT NO. 70D82 |          |

|       |                                                   |
|-------|---------------------------------------------------|
| 1     | COVER SHEET                                       |
| 2     | HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS |
| 3-4   | SUMMARY OF QUANTITIES                             |
| 5     | TYPICAL SECTIONS                                  |
| 6     | SCHEDULE OF QUANTITIES                            |
| 7     | ALIGNMENT, TIES, AND BENCHMARKS                   |
| 8-13  | PLAN SHEETS                                       |
| 14-19 | PAVEMENT MARKING PLAN SHEETS                      |
| 20    | DETAILS                                           |
| 21-47 | CROSS SECTIONS                                    |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

F.A.S. ROUTE 509 (CATLIN INDIANOLA RD)  
SECTION (84)RS  
PROJECT STP-RZ0R(434)  
HIGHWAY RESURFACING  
VERMILION COUNTY

C-95-042-20

SEE SHEET 2 FOR LIST OF HIGHWAY STANDARDS

DESIGN DESIGNATION: N/A

CURRENT TRAFFIC DATA  
SPEED LIMIT: 55 MPH  
ADT = 1050 (2019) 1100 (2029)

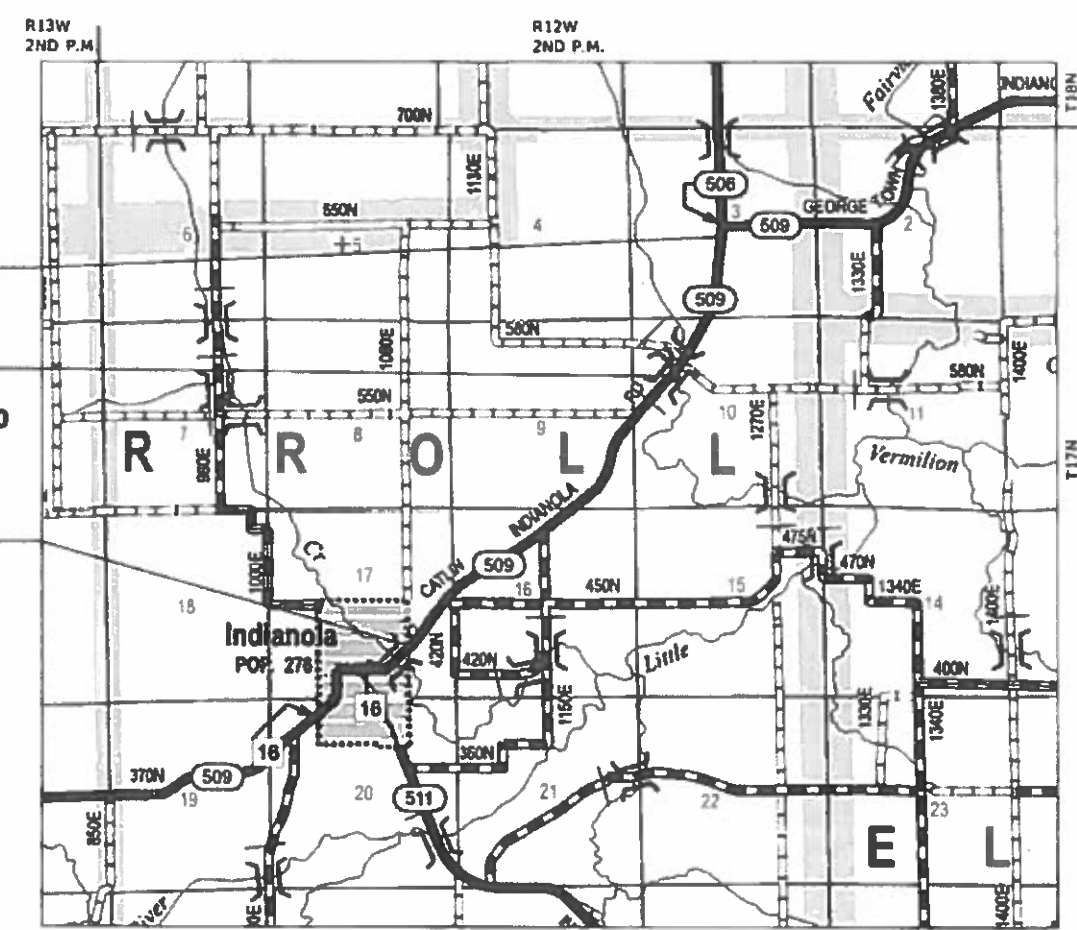


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER - JASON W. STULTS, P.E.  
PROJECT MANAGER - DAVID F. JAYME, P.E.  
(217) 465-4181  
CONTRACT NO. 70D82

END PROJECT  
STA. 191 + 79.00  
BRIDGE OMISSION  
S.N. 092-0170  
STA. 148 + 93.63 TO  
STA. 150 + 42.37  
BEGIN PROJECT  
STA. 39 + 62.50



GROSS LENGTH = 15,217 FT. = 2.882 MILE  
NET LENGTH = 15,068 FT. = 2.854 MILE



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Engineers**  
ENGINEERS SURVEYORS SCIENTISTS  
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professional design firm no. 184-009365  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 12, 2020  
David F. Jayme REGIONAL ENGINEER  
MAY 8 2020  
ENGINEER OF DESIGN AND ENVIRONMENT  
MAY 8 2020  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



Signature Zachary D. Leach Date 03/10/20  
Zachary D. Leach  
Printed or Typed Name License Number 062-065588  
My license renewal date is November 30, 2021

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

G.N.-100A  
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.07C  
EXISTING STATE-ONWED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUIEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

G.N.-105.09A  
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

G.N.-406  
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406H

MIXTURES TABLE

|                            |                     |                     |                     |
|----------------------------|---------------------|---------------------|---------------------|
| LOCATION                   | CATLIN-INDIANOLA RD | CATLIN-INDIANOLA RD | CATLIN-INDIANOLA RD |
| MIXTURE USE                | SURFACE             | INCIDENTAL          | CLASS D PATCH       |
| AC/PG                      | PG 64-22            | PG 64-22            | PG 64-22            |
| DESIGN AIR VOIDS           | 4.0% @ NDES=50      | 4.0% @ NDES=50      | 4.0% @ NDES=50      |
| MIX COMP (GRADATION)       | IL 9.5              | IL 9.5              | IL 19.0             |
| FRICTION AGGREGATE         | MIX C               | MIX C               | N.A.                |
| MIXTURE WEIGHT             | 112                 | 112                 | 112                 |
| QUALITY MANAGEMENT PROGRAM | QC/QA               | QC/QA               | QC/QA               |
| SUBPLOT SIZE               | N.A.                | N.A.                | N.A.                |

THE ESTIMATED UNIT WEIGHT FOR THE COLD CENTRAL PLANT RECYCLE (STOCKPILED RAP FROM HMA PLANT) MATERIAL SHALL BE 100 LBS/SQ YD/IN.  
TOTAL ESTIMATED RAP TO BE UTILIZED ON THIS PROJECT = 6,096 TONS

THE ESTIMATED RATE FOR THE EMULSION ADDITION TO THE COLD CENTRAL PLANT RECYCLE MATERIAL SHALL BE 3% OF THE RAP WEIGHT.  
EMULSION CONVERSION RATE: 235 GALLONS/TON  
TOTAL ESTIMATED EMULSION TO BE UTILIZED ON THIS PROJECT = 42,999 GALLONS

TOTAL ESTIMATED CEMENT CONTENT TO BE UTILIZED ON THIS PROJECT = 61 TONS  
(1% OF CCPR MIXTURE WEIGHT)

G.N.-442B - PATCHING SCHEDULES:  
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF THE PATCHES MAY OCCUR.

G.N.-703A  
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781  
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

COMMITMENTS

COMMITMENTS: (NONE)

APPLICATION RATES:

THE FOLLOWING APPLICATION RATES HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.

HOT-MIX ASPHALT = 112 LBS/SQ YD/IN  
COLD CENTRAL PLANT RECYCLED MIX = 100 LBS/SQ YD/IN  
CCPR EMULSIFIED ASPHALT = 235 GALLON/TON  
BITUMINOUS MATERIALS (TACK COAT) = 0.05 LBS/SQ FT

HMA RESURFACING

STA. 39+62.50 TO S.N. 092-0170  
S.N. 092-0170 TO STA. 191+79.00

PAVING OMISSIONS

S.N. 092-0170 STA. 148+96.63 TO STA. 150+42.37

MATERIAL TRANSFER DEVICE (MAINLINE) UNLOADED ONLY

S.N. 092-0170 - STA. 149+69.50

HIGHWAY STANDARDS

000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
001006 DECIMAL OF AN INCH AND OF A FOOT  
442201-03 CLASS C AND D PATCHES  
701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE  
701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY  
701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH  
701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS  
701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH  
701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY  
701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH  
701336-07 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH  
701901-08 TRAFFIC CONTROL DEVICES  
780001-05 TYPICAL PAVEMENT MARKINGS  
781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS, GENERAL NOTES, & COMMITMENTS

SHEET 1 OF 1 SHEETS

| F.A.S.<br>RTE. | SECTION | COUNTY             | TOTAL<br>SHEETS  | SHEET<br>NO. |
|----------------|---------|--------------------|------------------|--------------|
| 509            | (84)RS  | VERMILION          | 47               | 2            |
| P-95-026-20    |         | CONTRACT NO. 70D82 |                  |              |
|                |         | ILLINOIS           | FED. AID PROJECT |              |

|                            |               |           |
|----------------------------|---------------|-----------|
| USER NAME = RHEINKE        | DESIGNED - ZL | REVISED - |
|                            | DRAWN - RNH   | REVISED - |
| PLOT SCALE = 2.0000" / IN. | CHECKED -     | REVISED - |
| PLOT DATE = 3/9/2020       | DATE -        | REVISED - |

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| CODE NO.   | ITEM                                                  | FUNDING      | F.A.S. 509 (CATLIN INDIANOLA ROAD) |
|------------|-------------------------------------------------------|--------------|------------------------------------|
|            |                                                       |              | RURAL 2L/2W                        |
|            |                                                       |              | MAJOR COLLECTOR                    |
|            |                                                       |              | STA. 39+62.50 TO STA. 191+79.00    |
|            |                                                       | CONSTR. CODE | VERMILION COUNTY                   |
|            |                                                       |              | STP 80% FED / 20% STATE            |
|            |                                                       |              | 0005                               |
|            |                                                       | UNIT         | TOTAL QUANTITY                     |
|            |                                                       |              |                                    |
| 30201700   | PORTLAND CEMENT                                       | TON          | 61                                 |
|            |                                                       |              |                                    |
| 35800100   | PREPARATION OF BASE                                   | SQ YD        | 216                                |
|            |                                                       |              |                                    |
| 40400020   | BUMP REMOVAL                                          | EACH         | 152                                |
|            |                                                       |              |                                    |
| 40600275   | BITUMINOUS MATERIALS (PRIME COAT)                     | POUND        | 487                                |
|            |                                                       |              |                                    |
| 40600290   | BITUMINOUS MATERIALS (TACK COAT)                      | POUND        | 36,594                             |
|            |                                                       |              |                                    |
| 40600985   | PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT | SQ YD        | 1,317                              |
|            |                                                       |              |                                    |
| 40600990   | TEMPORARY RAMP                                        | SQ YD        | 335                                |
|            |                                                       |              |                                    |
| 40604050   | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50  | TON          | 3,416                              |
|            |                                                       |              |                                    |
| 40800050   | INCIDENTAL HOT-MIX ASPHALT SURFACING                  | TON          | 382                                |
|            |                                                       |              |                                    |
| 44201747   | CLASS D PATCHES, TYPE IV, 8 INCH                      | SQ YD        | 394                                |
|            |                                                       |              |                                    |
| 48101200   | AGGREGATE SHOULDERS, TYPE B                           | TON          | 3,885                              |
|            |                                                       |              |                                    |
| * 66700305 | PERMANENT SURVEY MARKERS, TYPE II                     | EACH         | 18                                 |
|            |                                                       |              |                                    |
| 67000500   | ENGINEER'S FIELD OFFICE, TYPE B                       | CAL MO       | 4                                  |
|            |                                                       |              |                                    |
| 67100100   | MOBILIZATION                                          | L SUM        | 1                                  |
|            |                                                       |              |                                    |

\* DENOTES SPECIALTY ITEM

|                                                                                                                                                                                                                                                                                                                 |                            |               |           |                                                           |                              |  |  |             |         |                    |              |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------|-----------|-----------------------------------------------------------|------------------------------|--|--|-------------|---------|--------------------|--------------|-----------|
|  <b>Prairie Engineers, P.C.</b><br>404 N. Main Street<br>Columbia, IL 62236<br>(217) 605-0403<br>www.prairieengineers.com<br>professional design firm no. 154-005965<br>© Copyright Prairie Engineers of Illinois, P.C. 2019 | USER NAME = RHEINKE        | DESIGNED - ZL | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> |  |  | F.A.S. RTE. | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
|                                                                                                                                                                                                                                                                                                                 | PLOT SCALE = 2.0000" / IN. | DRAWN - RNH   | REVISED - |                                                           |                              |  |  | 509         | (84)RS  | VERMILION          | 47           | 3         |
|                                                                                                                                                                                                                                                                                                                 | PLOT DATE = 3/9/2020       | CHECKED -     | REVISED - |                                                           | SHEET 1 OF 2 SHEETS          |  |  | P-95-026-20 |         | CONTRACT NO. 70D82 |              |           |
|                                                                                                                                                                                                                                                                                                                 |                            | DATE -        | REVISED - |                                                           |                              |  |  | ILLINOIS    |         | FED. AID PROJECT   |              |           |

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| CODE NO.   | ITEM                                            | FUNDING      | F.A.S. 509 (CATLIN INDIANOLA ROAD) |
|------------|-------------------------------------------------|--------------|------------------------------------|
|            |                                                 |              | RURAL 2L/2W                        |
|            |                                                 |              | MAJOR COLLECTOR                    |
|            |                                                 |              | STA. 39+62.50 TO STA. 191+79.00    |
|            |                                                 | CONSTR. CODE | VERMILION COUNTY                   |
|            |                                                 |              | STP 80% FED / 20% STATE            |
|            |                                                 |              | 0005                               |
|            |                                                 | UNIT         | TOTAL QUANTITY                     |
| 70100450   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM        | 1                                  |
| 70100460   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM        | 1                                  |
| 70100500   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701326 | L SUM        | 1                                  |
| 70100600   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701336 | L SUM        | 1                                  |
| 70300100   | SHORT TERM PAVEMENT MARKING                     | FOOT         | 5,243                              |
| 70300150   | SHORT TERM PAVEMENT MARKING REMOVAL             | SQ FT        | 1,748                              |
| * 78001110 | PAINT PAVEMENT MARKING - LINE 4"                | FOOT         | 37,803                             |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER               | EACH         | 192                                |
| Z0033700   | LONGITUDINAL JOINT SEALANT                      | FOOT         | 15,248                             |
| X4200005   | COLD CENTRAL PLANT RECYCLING, 3"                | SQ YD        | 40,661                             |
| X4200004   | COLD CENTRAL PLANT RECYCLING EMULSIFIED ASPHALT | GAL          | 42,999                             |
|            |                                                 |              |                                    |
|            |                                                 |              |                                    |
|            |                                                 |              |                                    |
|            |                                                 |              |                                    |
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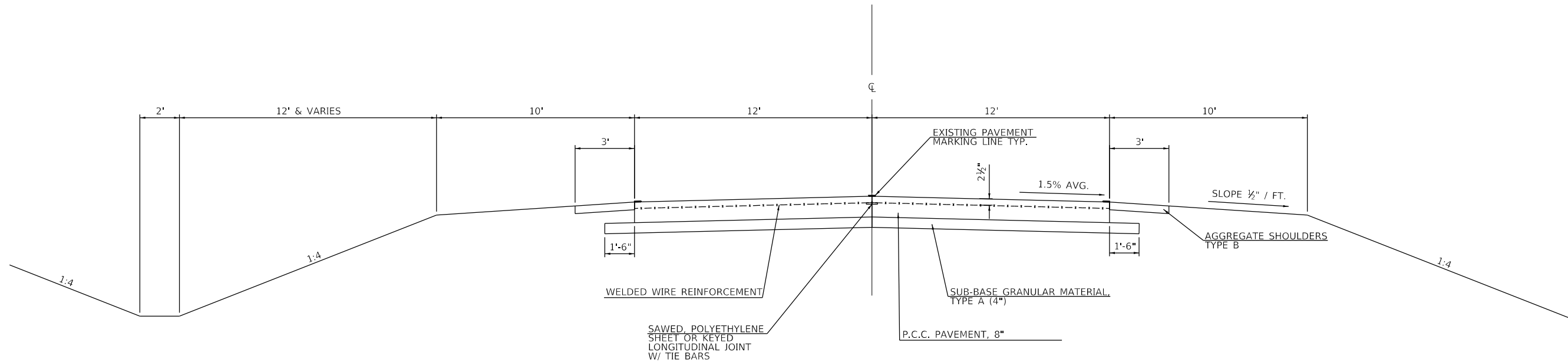
\* DENOTES SPECIALTY ITEM

|                                                                                                                                                                                                                                                                                                                 |                            |               |           |                                                           |                              |                     |         |                           |              |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------|-----------|-----------------------------------------------------------|------------------------------|---------------------|---------|---------------------------|--------------|-----------|
|  <b>Prairie Engineers, P.C.</b><br>404 N. Main Street<br>Columbia, IL 62236<br>(217) 665-0403<br>www.prairieengineers.com<br>professional design firm no. 184-005965<br>© Copyright Prairie Engineers of Illinois, P.C. 2019 | USER NAME = RHEINKE        | DESIGNED - ZL | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A.S. RTE.         | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|                                                                                                                                                                                                                                                                                                                 | PLOT SCALE = 2.0000" / IN. | DRAWN - RNH   | REVISED - |                                                           |                              | 509                 | (84)RS  | VERMILION                 | 47           | 4         |
|                                                                                                                                                                                                                                                                                                                 | PLOT DATE = 3/9/2020       | CHECKED -     | REVISED - |                                                           |                              | P-95-026-20         |         | CONTRACT NO. 70D82        |              |           |
|                                                                                                                                                                                                                                                                                                                 |                            | DATE -        | REVISED - |                                                           |                              | SHEET 2 OF 2 SHEETS |         | ILLINOIS FED. AID PROJECT |              |           |

1 EXISTING TYPICAL SECTION F.A.S. 509

\*STRUCTURE OMISSION 148+93.63 TO 150+42.37 - S.N. 092-0170

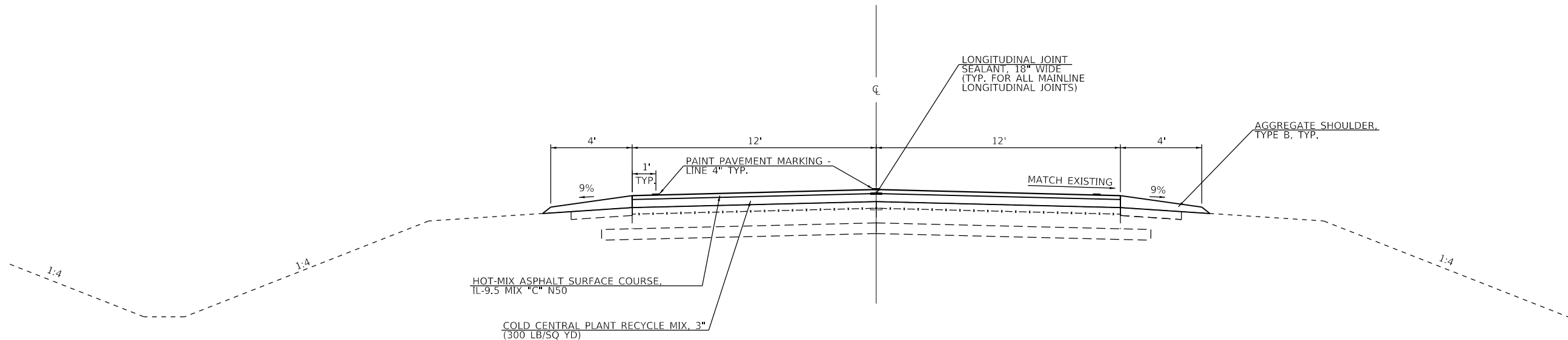
STATION TO STATION  
39+62.50 148+93.63\*  
\*150+42.37 191+79.00



2 PROPOSED TYPICAL SECTION F.A.S. 509

\*STRUCTURE OMISSION 148+93.63 TO 150+42.37 - S.N. 092-0170

STATION TO STATION  
39+62.50 148+93.63\*  
\*150+42.37 191+79.00



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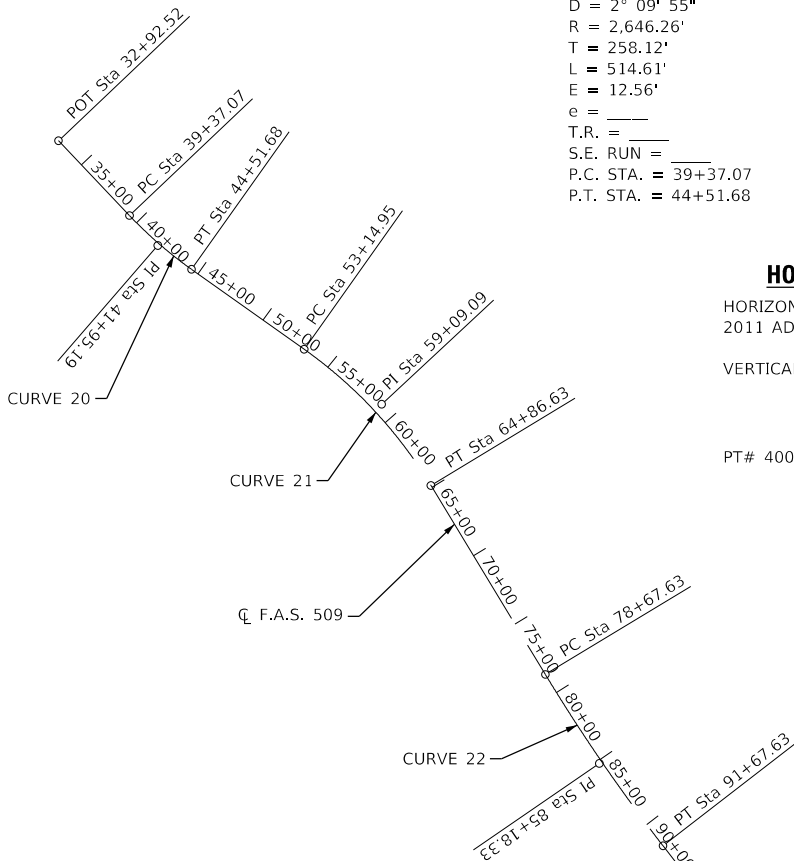
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| <div>Prairie Engineers, P.C.<br/>404 N. Main Street<br/>Columbiana, IL 62236<br/>(217) 605-0403<br/>www.prairieengineers.com<br/>professional design firm no. 154-005965<br/>Copyright Prairie Engineers of Illinois, P.C. 2019</div> | USER NAME = rheinke        | DESIGNED - ZDL | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS |         |             | F.A.S. RTE.        | SECTION | COUNTY    | TOTAL SHEETS     | SHEET NO. |
|                                                                                                                                                                                                                                       | DRAWN - RNH                | REVIS          | REVISED - |                                                   |                  |         |             | 509                | (84)RS  | VERMILION | 47               | 5         |
|                                                                                                                                                                                                                                       | PLOT SCALE = 2.0000' / in. | CHECKED - ZDL  | REVISED - |                                                   | P-95-026-20      |         |             | CONTRACT NO. 70D82 |         |           |                  |           |
|                                                                                                                                                                                                                                       | PLOT DATE = 3/9/2020       | DATE -         | REVISED - |                                                   | SCALE: NONE      | SHEET 1 | OF 1 SHEETS | STA.               | TO STA. | ILLINOIS  | FED. AID PROJECT |           |

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| PAVING | LOCATION                                           | 40400020<br>BUMP<br>REMOVAL | 40600290<br>BITUMINOUS<br>MATERIALS<br>(TACK COAT) | 40600985<br>PCC SURF<br>REM<br>BUTT JT | 40600990<br>TEMPORARY<br>RAMP | 40604050<br>HMA SC<br>IL-9.5<br>C N50 | 40800050<br>INCIDENTAL<br>HMA SURF | 48101200<br>AGGREGATE<br>SHOULDERS<br>TYPE B | Z0033700<br>LONGITUDINAL<br>JOINT<br>SEALANT | 5000926<br>COLD<br>CENTRAL<br>PLANT<br>RECYCLING, 3" | 6000177<br>CCPR<br>EMULSIFIED<br>ASPHALT | 35800100<br>PREPARATION<br>OF BASE | 40600275<br>BITUMINOUS<br>MATERIALS<br>(PRIME COAT) |
|--------|----------------------------------------------------|-----------------------------|----------------------------------------------------|----------------------------------------|-------------------------------|---------------------------------------|------------------------------------|----------------------------------------------|----------------------------------------------|------------------------------------------------------|------------------------------------------|------------------------------------|-----------------------------------------------------|
|        |                                                    | EACH                        | POUND                                              | SQ YD                                  | SQ YD                         | TON                                   | TON                                | TON                                          | FOOT                                         | SQ YD                                                | GALLON                                   | SQ YD                              | POUND                                               |
|        | STA. 38+72.50 TO STA. 148+93.63                    | 110                         | -                                                  | -                                      | -                             | 2,469                                 | -                                  | 2,809                                        | 11,021                                       | 29,390                                               | 31,080                                   | -                                  | -                                                   |
|        | STA. 150+42.37 TO STA. 192+69.00                   | 42                          | -                                                  | -                                      | -                             | 947                                   | -                                  | 1,076                                        | 4,227                                        | 11,271                                               | 11,919                                   | -                                  | -                                                   |
|        | STA. 38+72.50 TO STA. 148+93.63 EX. CONC. SURFACE  | -                           | 13,225                                             | -                                      | -                             | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 150+42.37 TO STA. 192+69.00 EX. CONC. SURFACE | -                           | 5,072                                              | -                                      | -                             | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 38+72.50 TO STA. 148+93.63 PR. CCPR BASE      | -                           | 13,225                                             | -                                      | -                             | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 150+42.37 TO STA. 192+69.00 PR CCPR BASE      | -                           | 5,072                                              | -                                      | -                             | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 38+72.50 ML                                   | -                           | -                                                  | 240                                    | 32                            | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 42+59.37 LT                                   | -                           | -                                                  | 63                                     | 25                            | -                                     | 40.2                               | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 45+04.53 RT                                   | -                           | -                                                  | -                                      | -                             | -                                     | 4.5                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 56+03.69 RT                                   | -                           | -                                                  | 63                                     | 25                            | -                                     | 34.3                               | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 70+00.67 LT                                   | -                           | -                                                  | -                                      | -                             | -                                     | 3.9                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 89+90.28 RT                                   | -                           | -                                                  | 60                                     | 25                            | -                                     | 43.9                               | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 100+42.82 LT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 3.9                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 101+84.04 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 5.6                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 128+06.25 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 3.6                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 130+13.74 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 3.6                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 131+99.32 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 4.0                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 132+60.79 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 4.7                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 133+90.14 LT                                  | -                           | -                                                  | 63                                     | 25                            | -                                     | 45.0                               | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 143+69.43 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 3.8                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 145+10.25 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 3.8                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 146+80.64 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 13.0                               | -                                            | -                                            | -                                                    | -                                        | 51                                 | 116                                                 |
|        | STA. 151+75.57 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 15.1                               | -                                            | -                                            | -                                                    | -                                        | 60                                 | 135                                                 |
|        | STA. 153+09.78 RT                                  | -                           | -                                                  | 51                                     | 20                            | -                                     | 41.0                               | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 154+06.74 LT                                  | -                           | -                                                  | 57                                     | 23                            | -                                     | 43.0                               | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 155+06.27 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 4.4                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 163+14.58 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 3.4                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 163+14.58 LT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 10.3                               | -                                            | -                                            | -                                                    | -                                        | 41                                 | 92                                                  |
|        | STA. 169+69.89 LT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 2.8                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 175+84.01 LT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 16.1                               | -                                            | -                                            | -                                                    | -                                        | 64                                 | 144                                                 |
|        | STA. 175+84.01 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 6.8                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 177+42.99 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 4.0                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 178+37.95 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 6.2                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 179+33.65 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 2.8                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 181+81.11 RT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 4.7                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 187+31.07 LT                                  | -                           | -                                                  | -                                      | -                             | -                                     | 3.9                                | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 192+69.00                                     | -                           | -                                                  | 240                                    | 32                            | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 69+77.50 (END OF PAVING DAY)                  | -                           | -                                                  | -                                      | 32                            | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 100+57.50 (END OF PAVING DAY)                 | -                           | -                                                  | -                                      | 32                            | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 131+37.50 (END OF PAVING DAY)                 | -                           | -                                                  | -                                      | 32                            | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 162+17.50 (END OF PAVING DAY)                 | -                           | -                                                  | -                                      | 32                            | -                                     | -                                  | -                                            | -                                            | -                                                    | -                                        | -                                  | -                                                   |
|        | STA. 148+93.63 (BRIDGE START)                      |                             |                                                    | 240                                    |                               |                                       |                                    |                                              |                                              |                                                      |                                          |                                    |                                                     |
|        | STA. 150+42.37 (BRIDGE END)                        |                             |                                                    | 240                                    |                               |                                       |                                    |                                              |                                              |                                                      |                                          |                                    |                                                     |
|        | TOTAL                                              | 152                         | 36,594                                             | 1,317                                  | 335                           | 3,416                                 | 382                                | 3,885                                        | 15,248                                       | 40,661                                               | 42,999                                   | 216                                | 487                                                 |

| PAVEMENT MARKING | LOCATION                            | 78100100<br>RAISED<br>REFLECTIVE<br>PAVEMENT<br>MARKER<br>TWO-WAY AMBER | 78001110<br>PAINT PVT<br>MK LINE 4"<br>WHITE SOLID | 78001110<br>PAINT PVT<br>MK LINE 4"<br>YELLOW SOLID | 78001110<br>PAINT PVT<br>MK LINE 4"<br>YELLOW SKIP | 70300100<br>SHORT TERM<br>PAVEMENT<br>MARKING<br>YELLOW SOLID | 70300100<br>SHORT TERM<br>PAVEMENT<br>MARKING<br>YELLOW SKIP | 70300150<br>SHORT TERM<br>PAVEMENT<br>MARKING<br>REMOVAL |
|------------------|-------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|
|                  |                                     | EACH                                                                    | FOOT                                               | FOOT                                                | FOOT                                               | FOOT                                                          | FOOT                                                         | SQ FT                                                    |
|                  | STA. 38+72.50 TO STA. 192+69.00 CL  | 192                                                                     | -                                                  | -                                                   | -                                                  | -                                                             | -                                                            | 1,748                                                    |
|                  | STA. 38+72.50 TO STA. 42+12.44 LT   | -                                                                       | 340                                                | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 43+06.37 TO STA. 133+35.46 LT  | -                                                                       | 9,029                                              | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 134+27.76 TO STA. 153+61.69 LT | -                                                                       | 1,934                                              | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 154+49.31 TO STA. 192+69.00 LT | -                                                                       | 3,820                                              | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 38+72.50 TO STA. 55+63.87 RT   | -                                                                       | 1,691                                              | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 56+41.96 TO STA. 89+42.44 RT   | -                                                                       | 3,300                                              | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 90+41.08 TO STA. 152+54.82 RT  | -                                                                       | 6,214                                              | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 153+46.09 TO STA. 192+69.00 RT | -                                                                       | 3,923                                              | -                                                   | -                                                  | -                                                             | -                                                            | -                                                        |
|                  | STA. 38+72.50 TO STA. 44+17.49 CL   | -                                                                       | -                                                  | 545                                                 | 136                                                | 545                                                           | 55                                                           | -                                                        |
|                  | STA. 44+17.49 TO STA. 46+45.48 CL   | -                                                                       | -                                                  | -                                                   | 57                                                 | -                                                             | 23                                                           | -                                                        |
|                  | STA. 46+45.48 TO STA. 54+29.31 CL   | -                                                                       | -                                                  | 784                                                 | 196                                                | 784                                                           | 78                                                           | -                                                        |
|                  | STA. 54+29.31 TO STA. 121+67.00 CL  | -                                                                       | -                                                  | -                                                   | 1,684                                              | -                                                             | 674                                                          | -                                                        |
|                  | STA. 121+67.00 TO STA. 131+63.79 CL | -                                                                       | -                                                  | 997                                                 | 249                                                | 997                                                           | 100                                                          | -                                                        |
|                  | STA. 131+63.79 TO STA. 132+58.35 CL | -                                                                       | -                                                  | -                                                   | 24                                                 | -                                                             | 9                                                            | -                                                        |
|                  | STA. 132+58.35 TO STA. 146+35.02 CL | -                                                                       | -                                                  | 1,377                                               | 344                                                | 1,377                                                         | 138                                                          | -                                                        |
|                  | STA. 146+35.02 TO STA. 192+69.00 CL | -                                                                       | -                                                  | -                                                   | 1,159                                              | -                                                             | 463                                                          | -                                                        |
|                  | TOTAL                               | 192                                                                     | 30,251                                             | 3,703                                               | 3,849                                              | 3,703                                                         | 1,540                                                        | 1,748                                                    |

| PATCHING                     |                                   |
|------------------------------|-----------------------------------|
| LOCATION                     | 44201747<br>CL D<br>PATCH<br>T4 8 |
|                              | SQ_YD                             |
| PATCHING 1 STA. 51+13.00 SB  | 33                                |
| PATCHING 2 STA. 55+08.00 NB  | 40                                |
| PATCHING 3 STA. 55+08.00 SB  | 40                                |
| PATCHING 4 STA. 78+51.00 NB  | 107                               |
| PATCHING 5 STA. 155+29.00 SB | 27                                |
| PATCHING 6 STA. 191+41.00 SB | 147                               |
| TOTAL                        | 394                               |



EXIST. CURVE 20  
PI STA. = 41+95.19  
Δ = 11° 08' 32" (LT)  
D = 2° 09' 55"  
R = 2,646.26'  
T = 258.12'  
L = 514.61'  
E = 12.56'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 39+37.07  
P.T. STA. = 44+51.68

EXIST. CURVE 21  
PI STA. = 59+09.09  
Δ = 23° 25' 56" (RT)  
D = 2° 00' 00"  
R = 2,864.94'  
T = 594.14'  
L = 1,171.67'  
E = 60.96'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 53+14.95  
P.T. STA. = 64+86.63

EXIST. CURVE 22  
PI STA. = 85+18.33  
Δ = 6° 30' 28" (LT)  
D = 0° 30' 02"  
R = 11,445.68'  
T = 650.70'  
L = 1,300.00'  
E = 18.48'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 78+67.63  
P.T. STA. = 91+67.63

EXIST. CURVE 23  
PI STA. = 112+25.68  
Δ = 37° 49' 45" (LT)  
D = 4° 00' 05"  
R = 1,431.88'  
T = 490.65'  
L = 945.39'  
E = 81.73'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 107+35.03  
P.T. STA. = 116+80.42

EXIST. CURVE 24  
PI STA. = 123+78.32  
Δ = 25° 59' 52" (RT)  
D = 3° 59' 30"  
R = 1,435.37'  
T = 331.35'  
L = 651.29'  
E = 37.75'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 120+46.97  
P.T. STA. = 126+98.26

EXIST. CURVE 25  
PI STA. = 154+72.46  
Δ = 11° 20' 42" (LT)  
D = 2° 00' 11"  
R = 2,860.50'  
T = 284.13'  
L = 566.40'  
E = 14.08'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 151+88.33  
P.T. STA. = 157+54.73

EXIST. CURVE 26  
PI STA. = 171+94.57  
Δ = 23° 10' 39" (LT)  
D = 2° 00' 02"  
R = 2,864.12'  
T = 587.33'  
L = 1,158.60'  
E = 59.60'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 166+07.24  
P.T. STA. = 177+65.84

EXIST. CURVE 27  
PI STA. = 194+24.76  
Δ = 8° 19' 30" (LT)  
D = 1° 14' 11"  
R = 4,634.20'  
T = 337.27'  
L = 673.35'  
E = 12.26'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 190+87.49  
P.T. STA. = 197+60.85

**HORIZONTAL & VERTICAL DATUMS**

HORIZONTAL: NAD 83, ILLINOIS STATE PLANE, EAST ZONE,  
2011 ADJUSTMENT AND GEOID 12A.

VERTICAL: NAVD 88

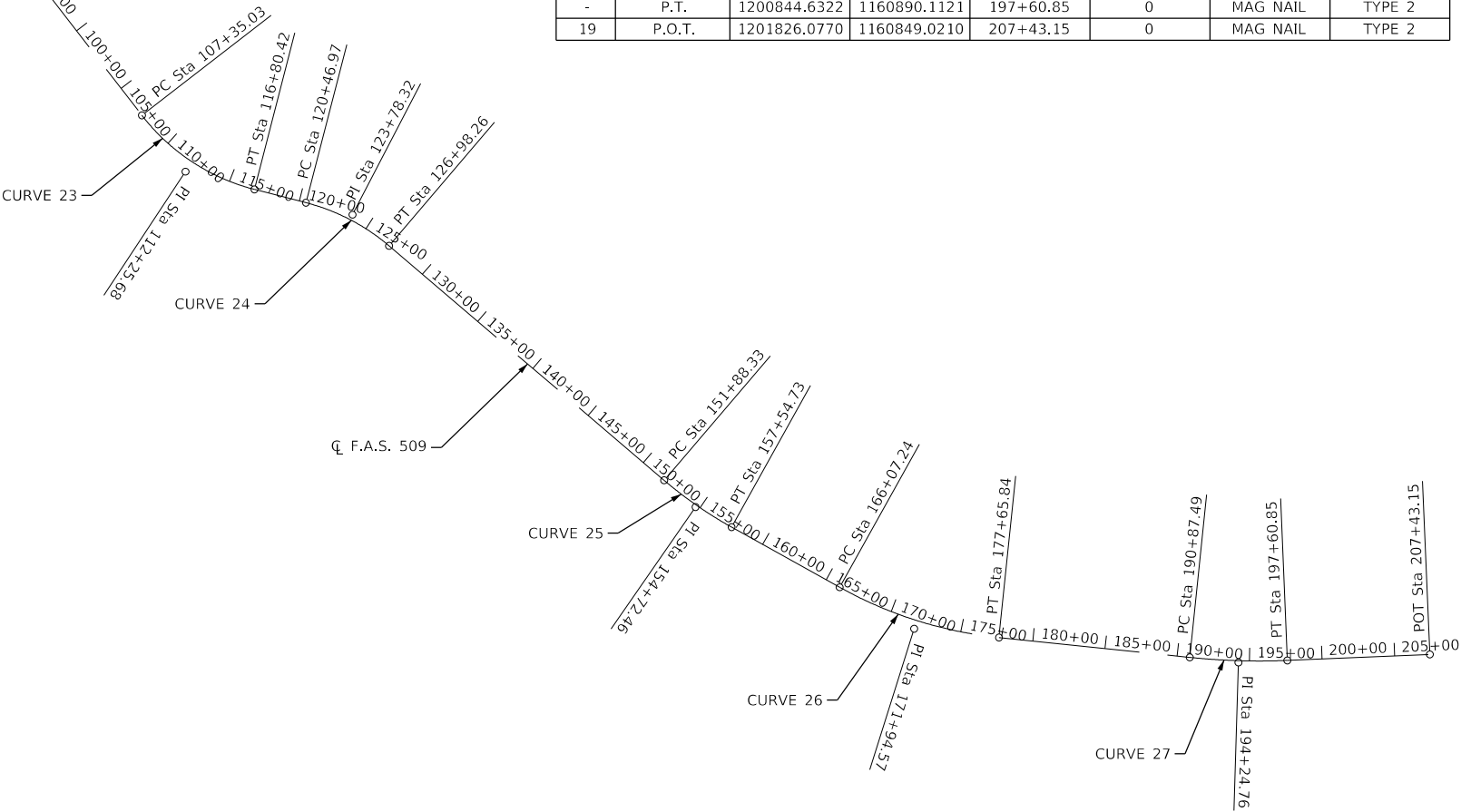
**BENCHMARKS**

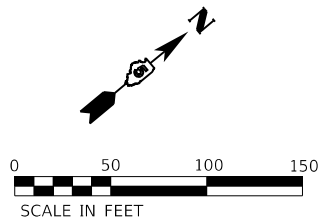
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EASTING 1,158,422.4630  
ELEVATION 674.869  
STATION 133+95.77  
OFFSET 83.9644 LT



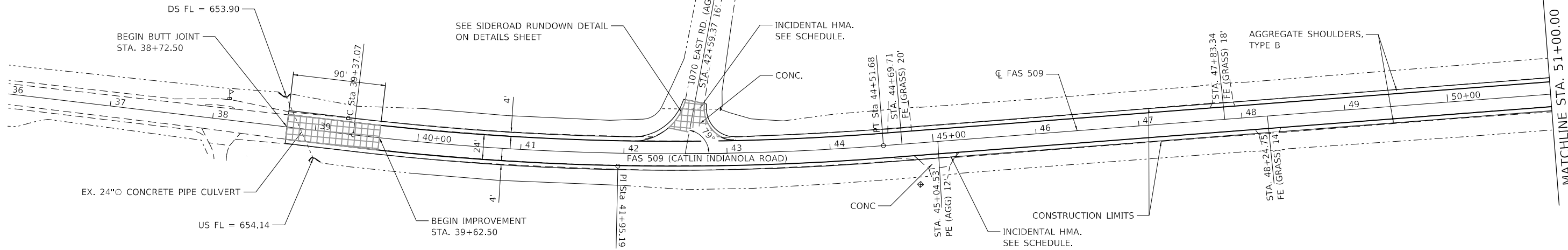
**F.A.S. 509 ALIGNMENT**

| POINT | DESCRIPTION | NORTHING     | EASTING      | STATION   | OFFSET   | EXISTING<br>MARKER | SURVEY<br>MARKERS TO<br>SET |
|-------|-------------|--------------|--------------|-----------|----------|--------------------|-----------------------------|
| 1     | P.O.T.      | 1188214.6380 | 1151486.2220 | 32+92.52  | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1188658.3232 | 1151953.7578 | 39+37.07  | 0        | MAG NAIL           | TYPE 2                      |
| 20    | P.I.        | 1188836.0035 | 1152140.9893 | 41+95.19  | 12.56 RT | -                  | DO NOT SET                  |
| -     | P.T.        | 1189046.5160 | 1152290.3560 | 44+51.68  | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1189750.5666 | 1152789.9066 | 53+14.95  | 0        | MAG NAIL           | TYPE 2                      |
| 21    | P.I.        | 1190235.1239 | 1153133.7184 | 59+09.09  | 60.96 LT | -                  | DO NOT SET                  |
| -     | P.T.        | 1190542.9992 | 1153641.8672 | 64+86.63  | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1191258.6188 | 1154822.9985 | 78+67.63  | 0        | MAG NAIL           | TYPE 2                      |
| 22    | P.I.        | 1191595.8027 | 1155379.5212 | 85+18.33  | 18.48 RT | -                  | DO NOT SET                  |
| -     | P.T.        | 1191993.8881 | 1155894.2430 | 91+67.63  | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1192952.7907 | 1157134.0979 | 107+35.03 | 0        | MAG NAIL           | TYPE 2                      |
| 23    | P.I.        | 1193252.9607 | 1157522.2156 | 112+25.68 | 81.73 RT | -                  | DO NOT SET                  |
| -     | P.T.        | 1193728.0843 | 1157644.6698 | 116+80.42 | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1194083.0306 | 1157736.1505 | 120+46.97 | 0        | MAG NAIL           | TYPE 2                      |
| 24    | P.I.        | 1194403.8952 | 1157818.8472 | 123+78.32 | 37.75 LT | -                  | DO NOT SET                  |
| -     | P.T.        | 1194656.0430 | 1158033.8223 | 126+98.26 | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1196550.9125 | 1159649.3414 | 151+88.33 | 0        | MAG NAIL           | TYPE 2                      |
| 25    | P.I.        | 1196767.1273 | 1159833.6808 | 154+72.46 | 14.08 RT | -                  | DO NOT SET                  |
| -     | P.T.        | 1197015.3800 | 1159971.8852 | 157+54.73 | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1197760.2477 | 1160386.5593 | 166+07.24 | 0        | MAG NAIL           | TYPE 2                      |
| 26    | P.I.        | 1198273.4151 | 1160672.2439 | 171+94.57 | 59.60 RT | -                  | DO NOT SET                  |
| -     | P.T.        | 1198857.6047 | 1160732.8990 | 177+65.84 | 0        | MAG NAIL           | TYPE 2                      |
| -     | P.C.        | 1200172.1908 | 1160869.3897 | 190+87.49 | 0        | MAG NAIL           | TYPE 2                      |
| 27    | P.I.        | 1200507.6574 | 1160904.2205 | 194+24.76 | 12.26 RT | -                  | DO NOT SET                  |
| -     | P.T.        | 1200844.6322 | 1160890.1121 | 197+60.85 | 0        | MAG NAIL           | TYPE 2                      |
| 19    | P.O.T.      | 1201826.0770 | 1160849.0210 | 207+43.15 | 0        | MAG NAIL           | TYPE 2                      |





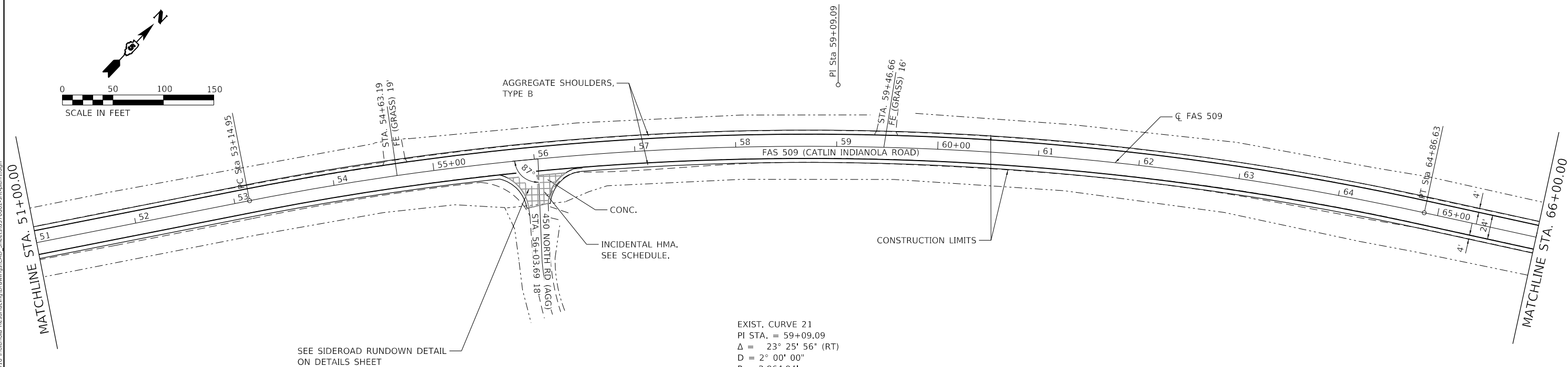
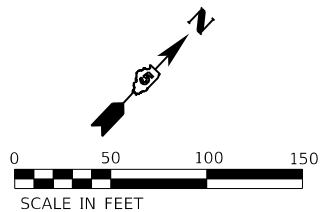
EXIST. CURVE 20  
PI STA. = 41+95.19  
 $\Delta$  = 11° 08' 32" (LT)  
D = 2° 09' 55"  
R = 2,646.26'  
T = 258.12'  
L = 514.61'  
E = 12.56'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 39+37.07  
P.T. STA. = 44+51.68



PORTLAND CEMENT CONCRETE  
SURFACE REMOVAL - BUTT JOINT



T17N R12W SEC 17



PORTLAND CEMENT CONCRETE  
SURFACE REMOVAL - BUTT JOINT



T17N R12W SEC 17

MODEL Default  
FILE: \\prairie\3016\101\_16060.04\_IDOT\_DS\_W04\_180418\_Indianola\_Resurfacing\Drawings\CAD\_Sheets\1570482-sht-pln1.dgn

**Prairie Engineers, P.C.**  
404 N. Main Street  
Columbia, IL 62236  
(217) 605-0403  
www.prairieengineers.com  
professional design firm no. 154-005965  
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|                               |                |           |
|-------------------------------|----------------|-----------|
| USER NAME = rheinke           | DESIGNED - ZDL | REVISED - |
| DRAWN - RNH                   | REVISED -      |           |
| PLOT SCALE = 100,0000 ' / in. | CHECKED - ZDL  | REVISED - |
| PLOT DATE = 3/9/2020          | DATE -         | REVISED - |

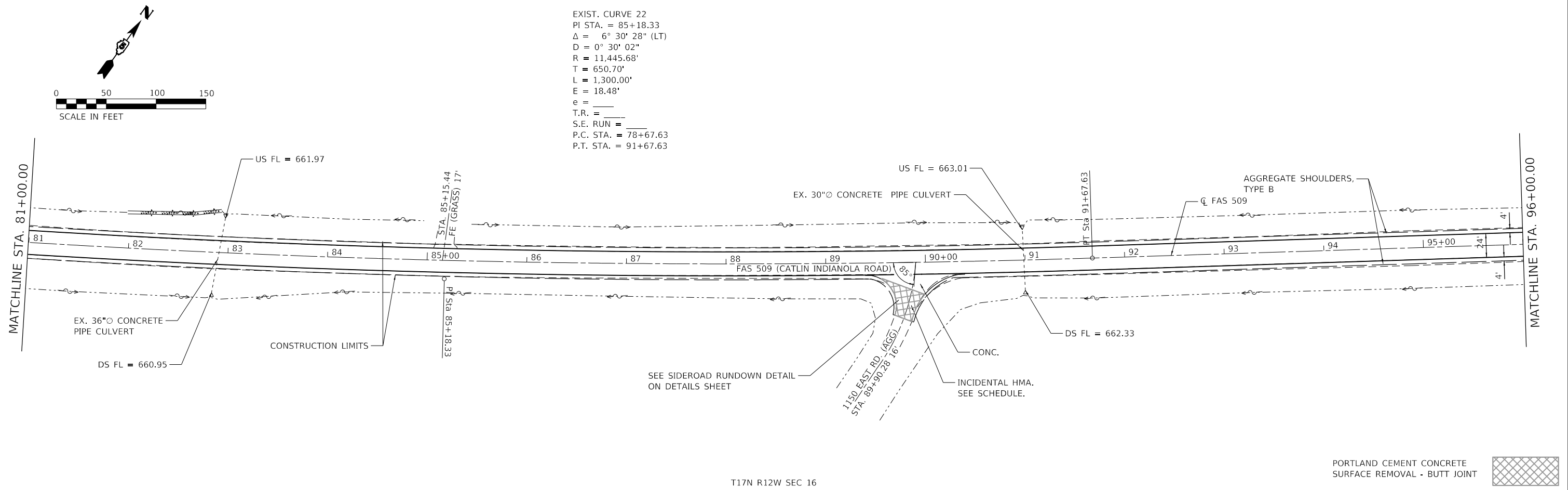
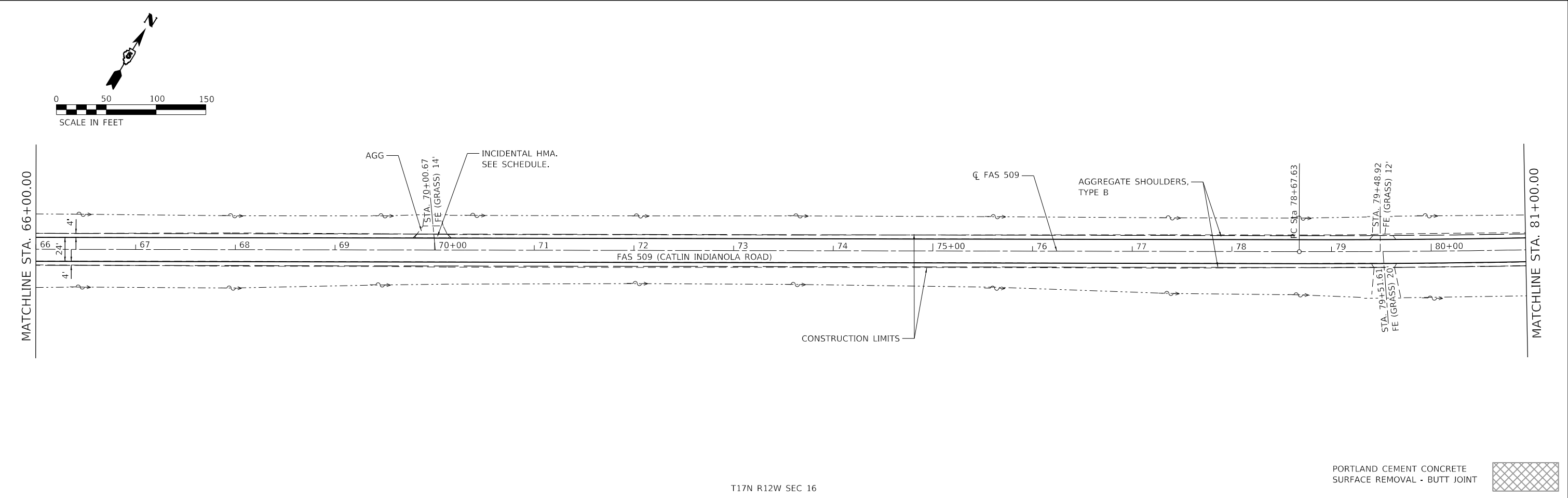
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

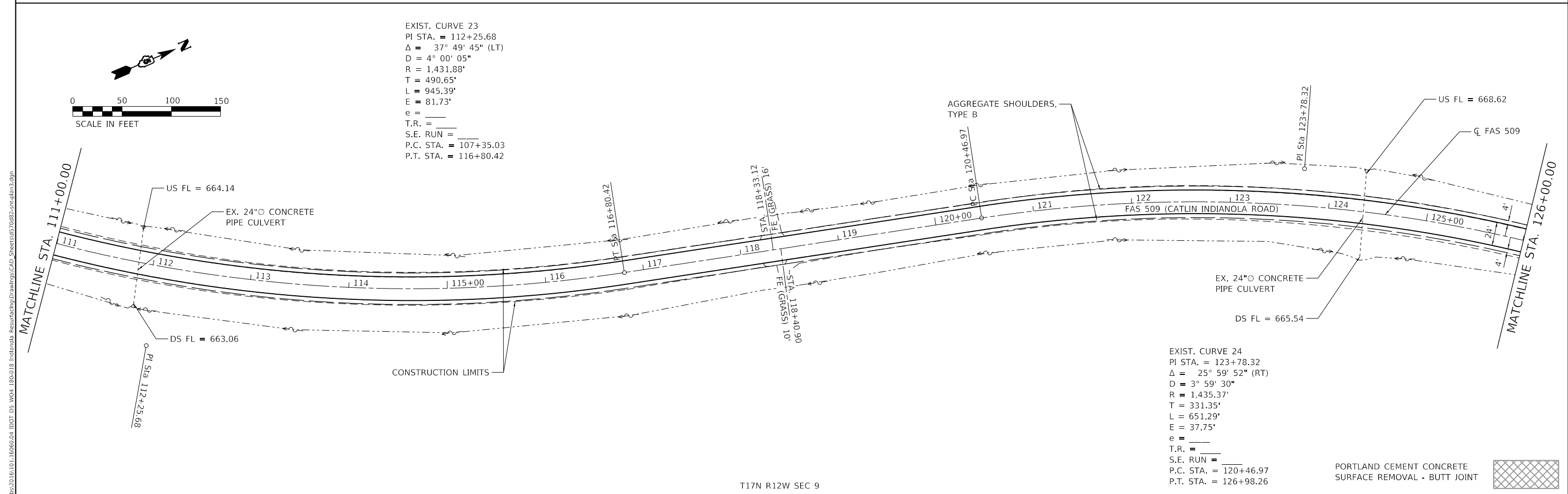
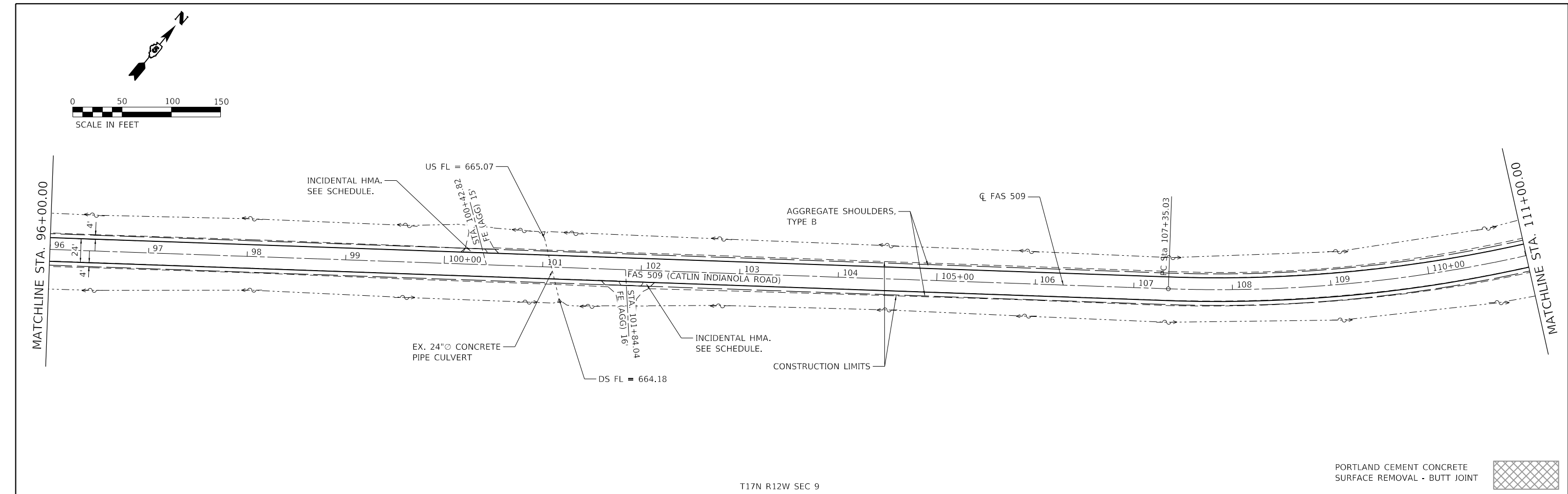
SCALE: 1" = 50' SHEET 1 OF 6 SHEETS STA. 36+00.00 TO STA. 66+00.00

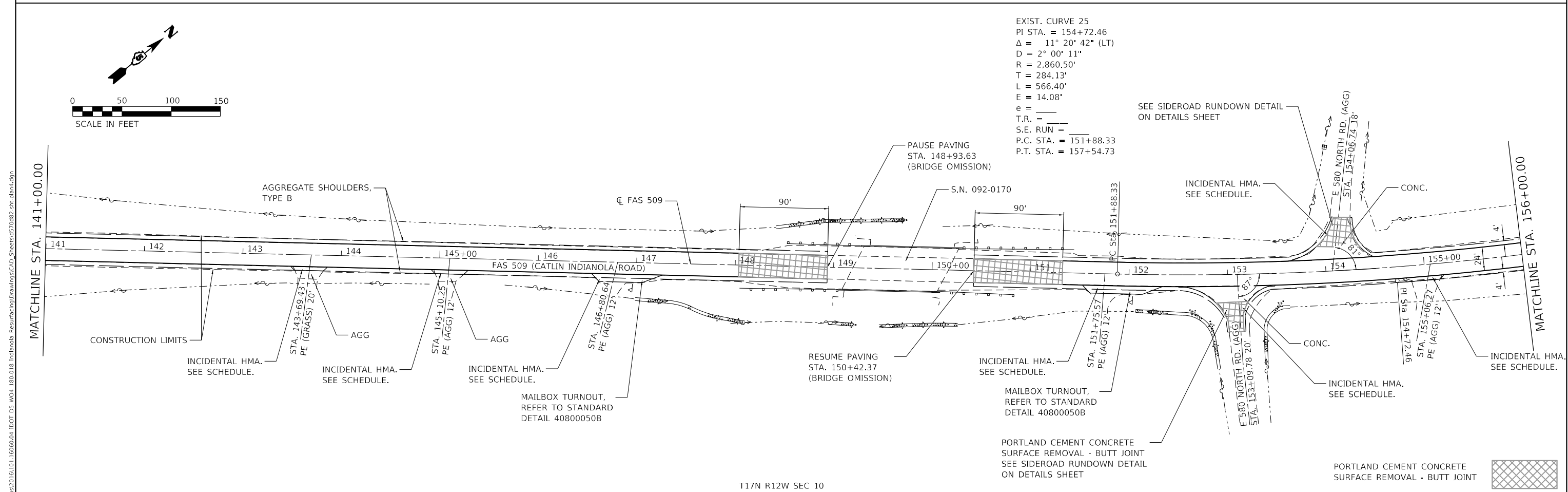
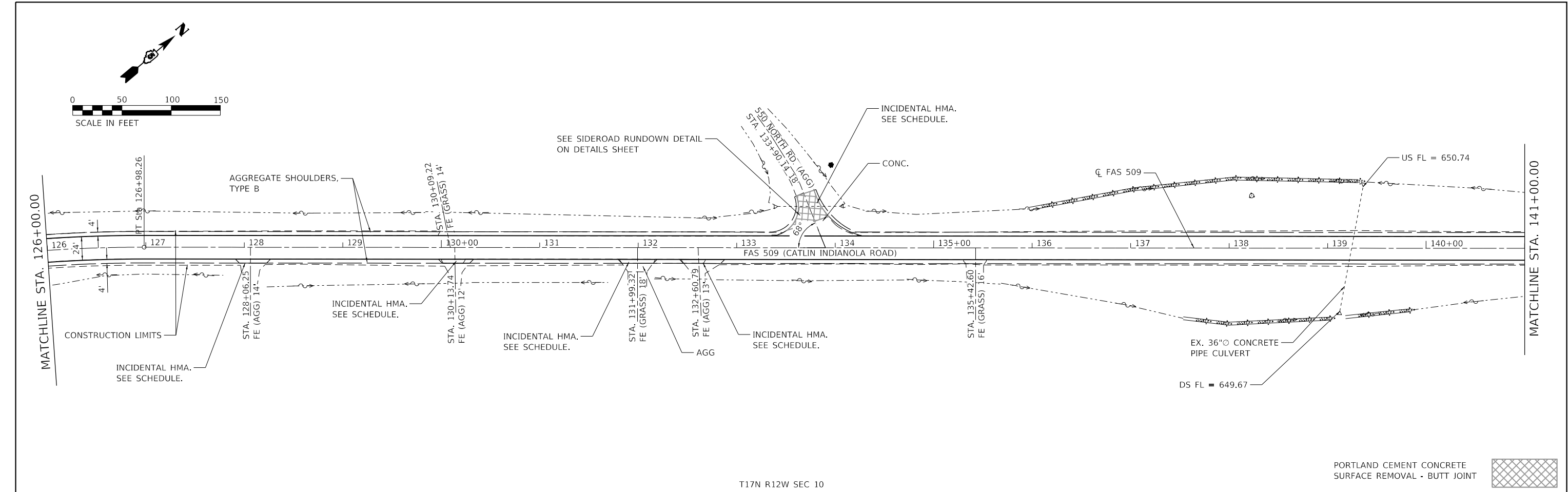
| F.A.S. RTE. | SECTION | COUNTY             | TOTAL SHEETS     | SHEET NO. |
|-------------|---------|--------------------|------------------|-----------|
| 509         | (84)RS  | VERMILION          | 47               | 8         |
| P-95-026-20 |         | CONTRACT NO. 70D82 |                  |           |
|             |         | ILLINOIS           | FED. AID PROJECT |           |

MODEL Default  
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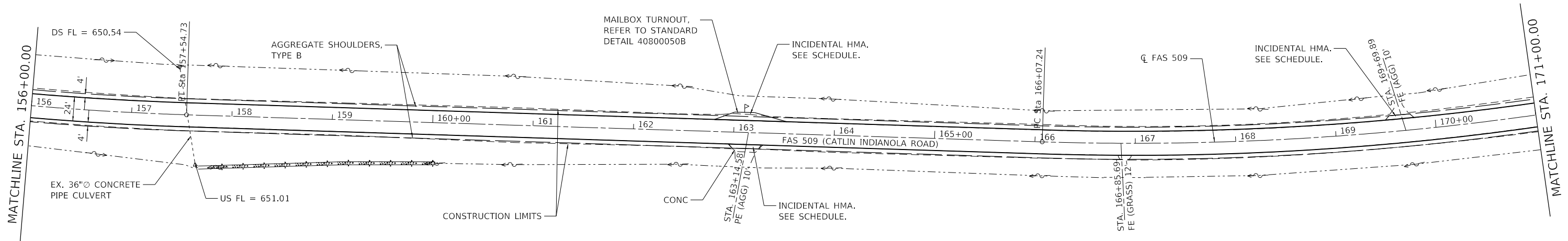
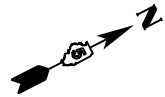


|                                                                                                                                                                                                                                                                                                                 |                               |                |           |                                                                 |                                                                    |  |  |  |                |         |                    |                 |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------|-----------|-----------------------------------------------------------------|--------------------------------------------------------------------|--|--|--|----------------|---------|--------------------|-----------------|--------------|
|  <b>Prairie Engineers, P.C.</b><br>404 N. Main Street<br>Columbia, IL 62236<br>(217) 605-0403<br>www.prairieengineers.com<br>Professional Design Firm No. 154-005965<br>© Copyright Prairie Engineers of Illinois, P.C. 2019 | USER NAME = rheinke           | DESIGNED - ZDL | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN SHEET</b>                                                  |  |  |  | F.A.S.<br>RTE. | SECTION | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
|                                                                                                                                                                                                                                                                                                                 | PLOT SCALE = 100.0000 ' / in. | DRAWN - RNH    | REVISED - |                                                                 |                                                                    |  |  |  | 509            | (84)RS  | VERMILION          | 47              | 9            |
|                                                                                                                                                                                                                                                                                                                 | PLOT DATE = 3/9/2020          | CHECKED - ZDL  | REVISED - |                                                                 | SCALE: 1" = 50' SHEET 2 OF 6 SHEETS STA. 66+00.00 TO STA. 96+00.00 |  |  |  | P-95-026-20    |         | CONTRACT NO. 70D82 |                 |              |
|                                                                                                                                                                                                                                                                                                                 |                               | DATE -         | REVISED - |                                                                 |                                                                    |  |  |  | ILLINOIS       |         | FED. AID PROJECT   |                 |              |





|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                |                 |                                                   |                                                      |  |  |  |                                                   |            |        |              |           |             |             |                    |              |           |           |    |    |                               |               |           |             |  |                    |  |  |                      |        |           |                 |  |                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |                  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------|-----------------|---------------------------------------------------|------------------------------------------------------|--|--|--|---------------------------------------------------|------------|--------|--------------|-----------|-------------|-------------|--------------------|--------------|-----------|-----------|----|----|-------------------------------|---------------|-----------|-------------|--|--------------------|--|--|----------------------|--------|-----------|-----------------|--|------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--|------------------|--|
| <div><div>MODEL: Default<br/>FILE NAME: RVD</div><div><div><div>Prairie Engineers, P.C.</div><div>404 N. Main Street<br/>Columbia, IL 62236<br/>(217) 605-0403<br/>www.prairieengineers.com<br/>professional design firm no. 154-005965<br/>© Copyright Prairie Engineers of Illinois, P.C., 2019</div></div></div></div> <tr><td>USER NAME = rheinke</td><td>DESIGNED - ZDL</td><td>REVISED -</td><td rowspan="4">STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</td><td colspan="4" rowspan="4">PLAN SHEET</td><td>F.A.S. RTE.</td><td>SECTION</td><td>COUNTY</td><td>TOTAL SHEETS</td><td>SHEET NO.</td></tr> <tr><td></td><td>DRAWN - RNH</td><td>REVISED -</td><td>509</td><td>(84)RS</td><td>VERMILION</td><td>47</td><td>11</td></tr> <tr><td>PLOT SCALE = 100,0000 ' / in.</td><td>CHECKED - ZDL</td><td>REVISED -</td><td colspan="2">P-95-026-20</td><td colspan="3">CONTRACT NO. 70D82</td></tr> <tr><td>PLOT DATE = 3/9/2020</td><td>DATE -</td><td>REVISED -</td><td colspan="2">SCALE: 1" = 50'</td><td colspan="3">SHEET 4 OF 6 SHEETS STA. 126+00.00 TO STA. 156+00.00</td></tr> <tr><td colspan="14"></td><td colspan="2">ILLINOIS</td><td colspan="2">FED. AID PROJECT</td></tr> | USER NAME = rheinke           | DESIGNED - ZDL | REVISED -       | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PLAN SHEET                                           |  |  |  | F.A.S. RTE.                                       | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |             | DRAWN - RNH | REVISED -          | 509          | (84)RS    | VERMILION | 47 | 11 | PLOT SCALE = 100,0000 ' / in. | CHECKED - ZDL | REVISED - | P-95-026-20 |  | CONTRACT NO. 70D82 |  |  | PLOT DATE = 3/9/2020 | DATE - | REVISED - | SCALE: 1" = 50' |  | SHEET 4 OF 6 SHEETS STA. 126+00.00 TO STA. 156+00.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ILLINOIS |  | FED. AID PROJECT |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | USER NAME = rheinke           | DESIGNED - ZDL | REVISED -       |                                                   |                                                      |  |  |  | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PLAN SHEET |        |              |           | F.A.S. RTE. | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO. |           |    |    |                               |               |           |             |  |                    |  |  |                      |        |           |                 |  |                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               | DRAWN - RNH    | REVISED -       |                                                   |                                                      |  |  |  |                                                   |            |        |              |           | 509         | (84)RS      | VERMILION          | 47           | 11        |           |    |    |                               |               |           |             |  |                    |  |  |                      |        |           |                 |  |                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PLOT SCALE = 100,0000 ' / in. | CHECKED - ZDL  | REVISED -       |                                                   |                                                      |  |  |  |                                                   |            |        |              |           | P-95-026-20 |             | CONTRACT NO. 70D82 |              |           |           |    |    |                               |               |           |             |  |                    |  |  |                      |        |           |                 |  |                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |                  |  |
| PLOT DATE = 3/9/2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE -                        | REVISED -      | SCALE: 1" = 50' |                                                   | SHEET 4 OF 6 SHEETS STA. 126+00.00 TO STA. 156+00.00 |  |  |  |                                                   |            |        |              |           |             |             |                    |              |           |           |    |    |                               |               |           |             |  |                    |  |  |                      |        |           |                 |  |                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                |                 |                                                   |                                                      |  |  |  |                                                   |            |        |              |           | ILLINOIS    |             | FED. AID PROJECT   |              |           |           |    |    |                               |               |           |             |  |                    |  |  |                      |        |           |                 |  |                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |  |                  |  |



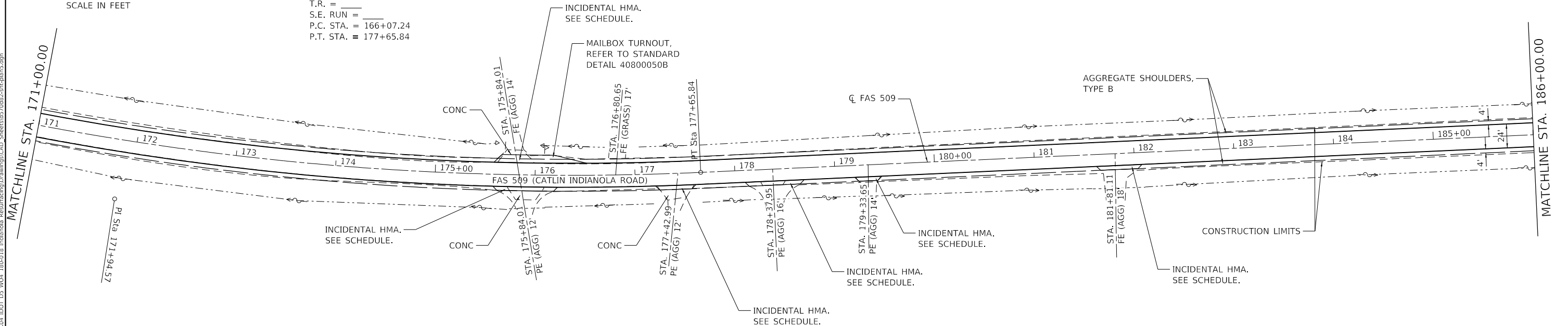
PORTLAND CEMENT CONCRETE  
SURFACE REMOVAL - BUTT JOINT



T17N R12W SEC 3



EXIST. CURVE 26  
PI STA. = 171+94.57  
 $\Delta$  = 23° 10' 39" (LT)  
D = 2° 00' 02"  
R = 2,864.12'  
T = 587.33'  
L = 1,158.60'  
E = 59.60'  
e = \_\_\_\_  
T.R. = \_\_\_\_  
S.E. RUN = \_\_\_\_  
P.C. STA. = 166+07.24  
P.T. STA. = 177+65.84



PORTLAND CEMENT CONCRETE  
SURFACE REMOVAL - BUTT JOINT



T17N R12W SEC 3

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' SHEET 5 OF 6 SHEETS STA. 156+00.00 TO STA. 186+00.00

| F.A.S.<br>RTE. | SECTION | COUNTY             | TOTAL<br>SHEETS  | SHEET<br>NO. |
|----------------|---------|--------------------|------------------|--------------|
| 509            | (84)RS  | VERMILION          | 47               | 12           |
| P-95-026-20    |         | CONTRACT NO. 70D82 |                  |              |
|                |         | ILLINOIS           | FED. AID PROJECT |              |

Prairie Engineers, P.C.

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USER NAME = rheinke

DESIGNED - ZDL

REVISED -

DRAWN - RNH

REVISED -

CHECKED - ZDL

REVISED -

DATE -

REVISED -

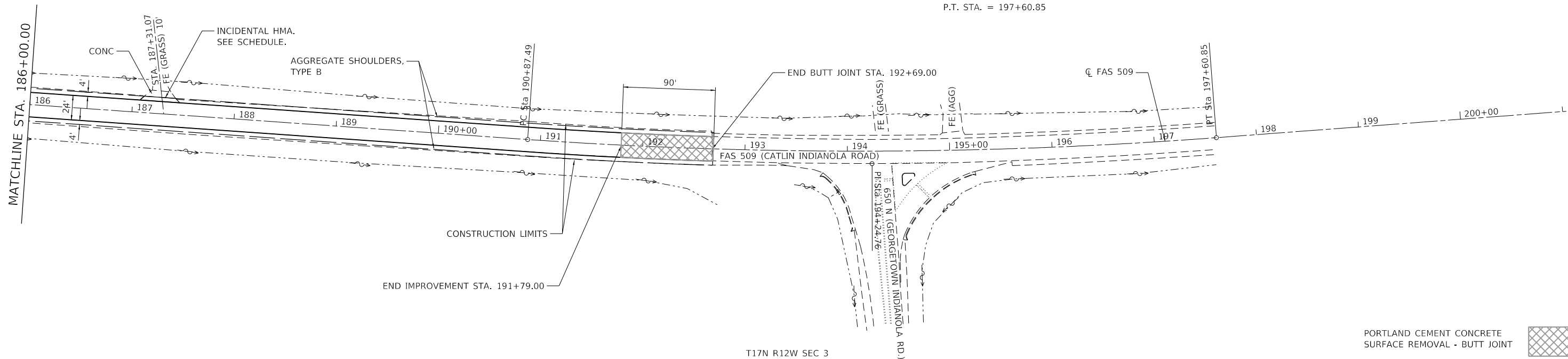
PLOT SCALE = 100,0000 ' / in.

PLOT DATE = 3/9/2020

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EXIST. CURVE 27  
PI STA. = 194+24.76  
 $\Delta$  = 8° 19' 30" (LT)  
D = 1° 14' 11"  
R = 4,634.20'  
T = 337.27'  
L = 673.35'  
E = 12.26'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 190+87.49  
P.T. STA. = 197+60.85



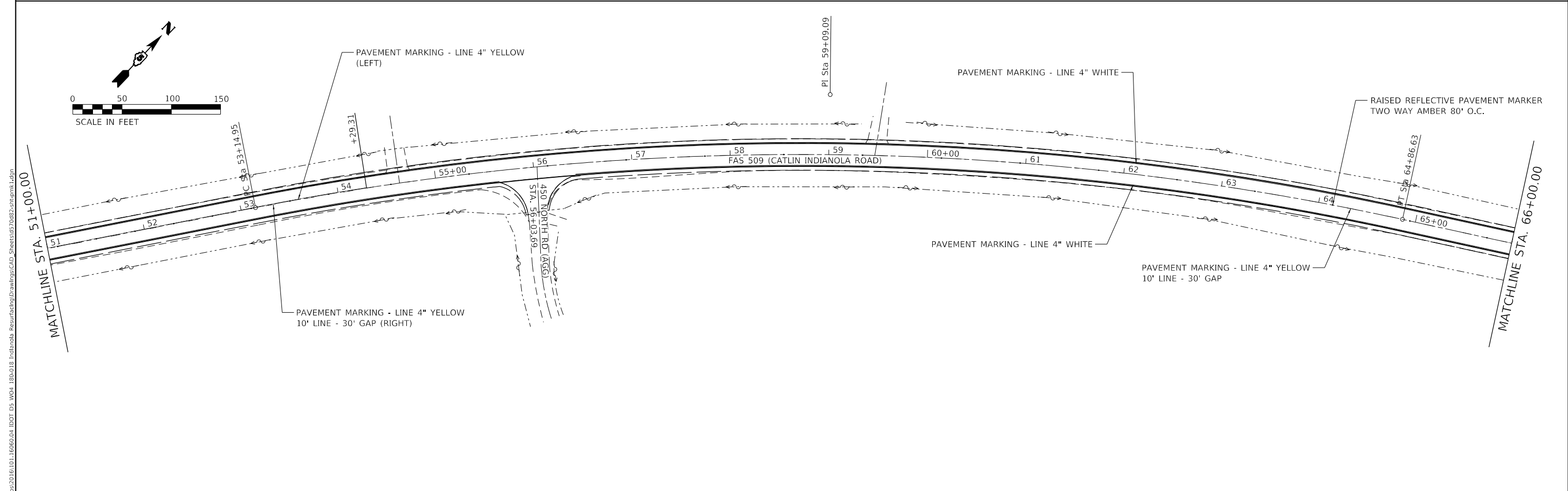
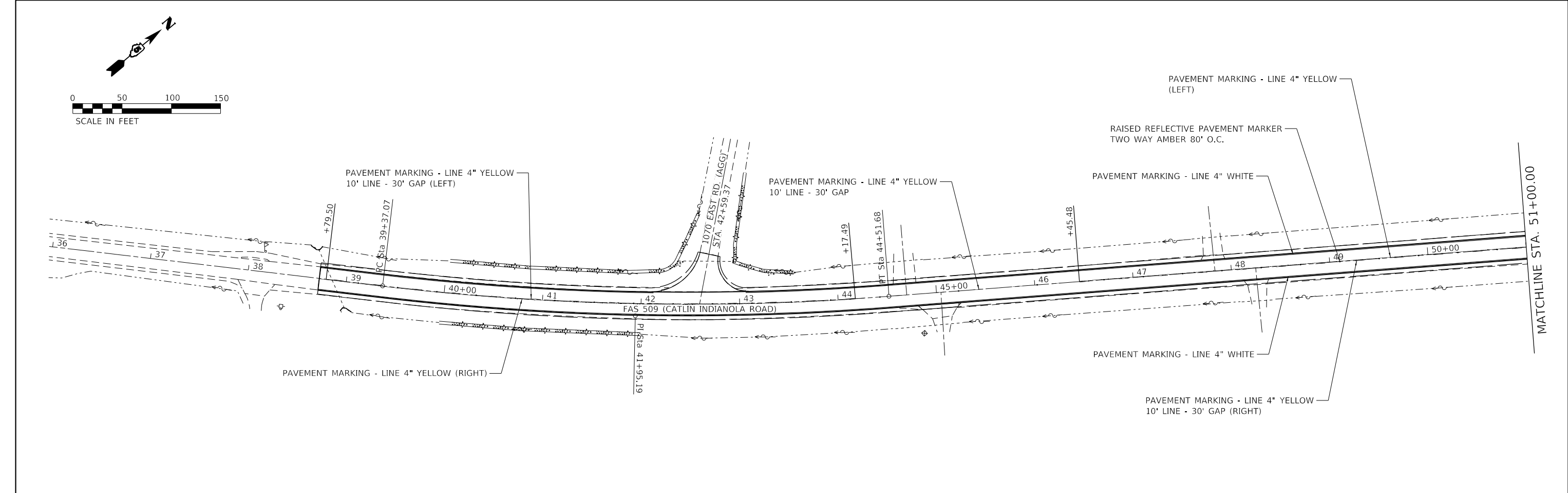
PORTLAND CEMENT CONCRETE  
SURFACE REMOVAL - BUTT JOINT



T17N R12W SEC 3

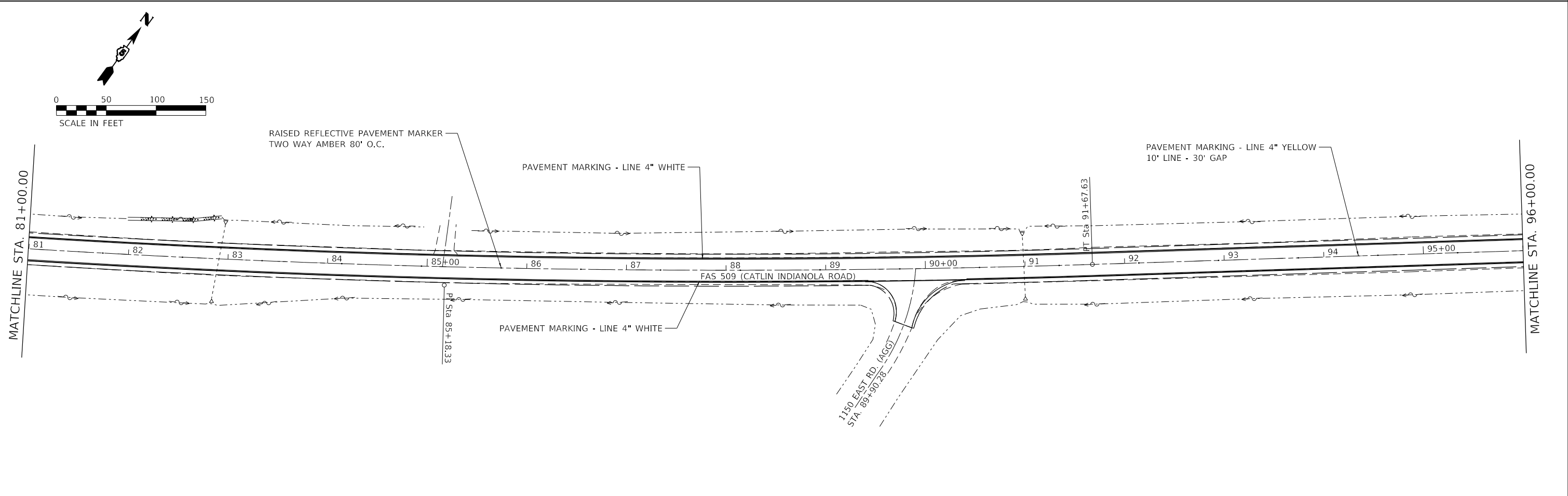
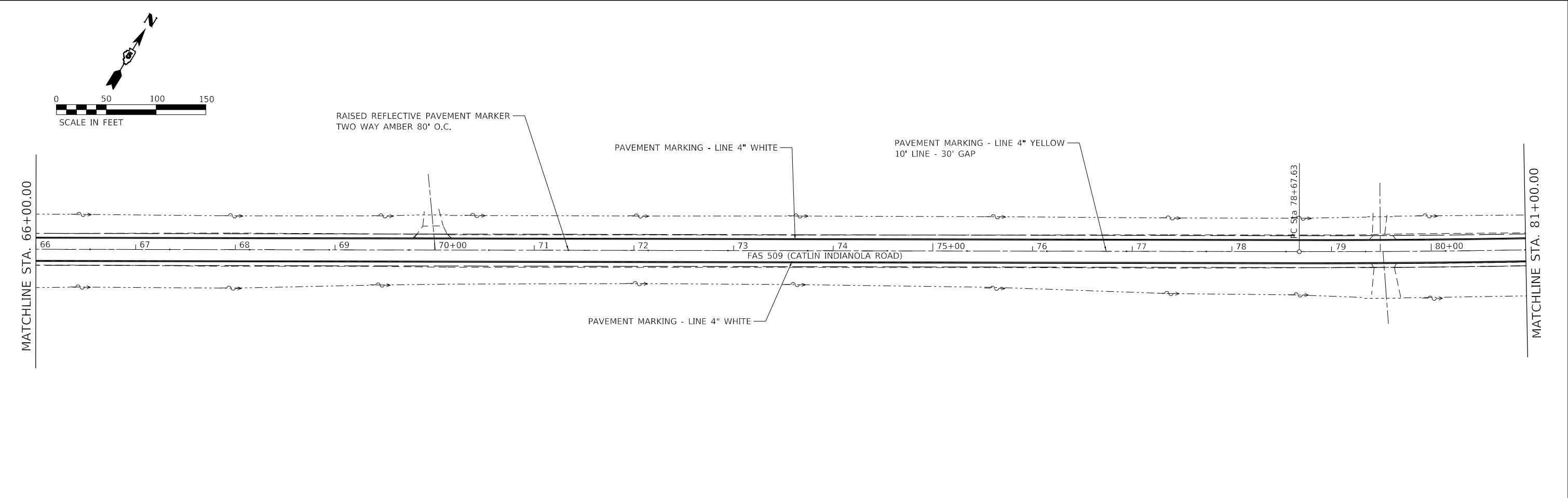
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|                                                                                                                                                                                                                                                                                                        |                               |                |           |                                                   |                                                                                     |  |  |             |         |                    |              |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------|-----------|---------------------------------------------------|-------------------------------------------------------------------------------------|--|--|-------------|---------|--------------------|--------------|-----------|
| <div><div><div>Prairie Engineers, P.C.</div><div>404 N. Main Street<br/>Columbia, IL 62236<br/>(217) 605-0403<br/>www.prairieengineers.com<br/>Professional Design Firm No. 154-005965<br/>ENGINEERS, SURVEYORS, SCIENTISTS<br/>© Copyright Prairie Engineers of Illinois, P.C. 2019</div></div></div> | USER NAME = rheinke           | DESIGNED - ZDL | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PLAN SHEET                                                                          |  |  | F.A.S. RTE. | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
|                                                                                                                                                                                                                                                                                                        |                               | DRAWN - RNH    | REVISED - |                                                   |                                                                                     |  |  | 509         | (84)RS  | VERMILION          | 47           | 13        |
|                                                                                                                                                                                                                                                                                                        | PLOT SCALE = 100,0000 ' / in. | CHECKED - ZDL  | REVISED - |                                                   | SCALE: 1" = 50'    SHEET 6    OF 6    SHEETS    STA. 186+00.00    TO STA. 201+00.00 |  |  | P-95-026-20 |         | CONTRACT NO. 70D82 |              |           |
|                                                                                                                                                                                                                                                                                                        | PLOT DATE = 3/9/2020          | DATE -         | REVISED - |                                                   |                                                                                     |  |  | ILLINOIS    |         | FED. AID PROJECT   |              |           |

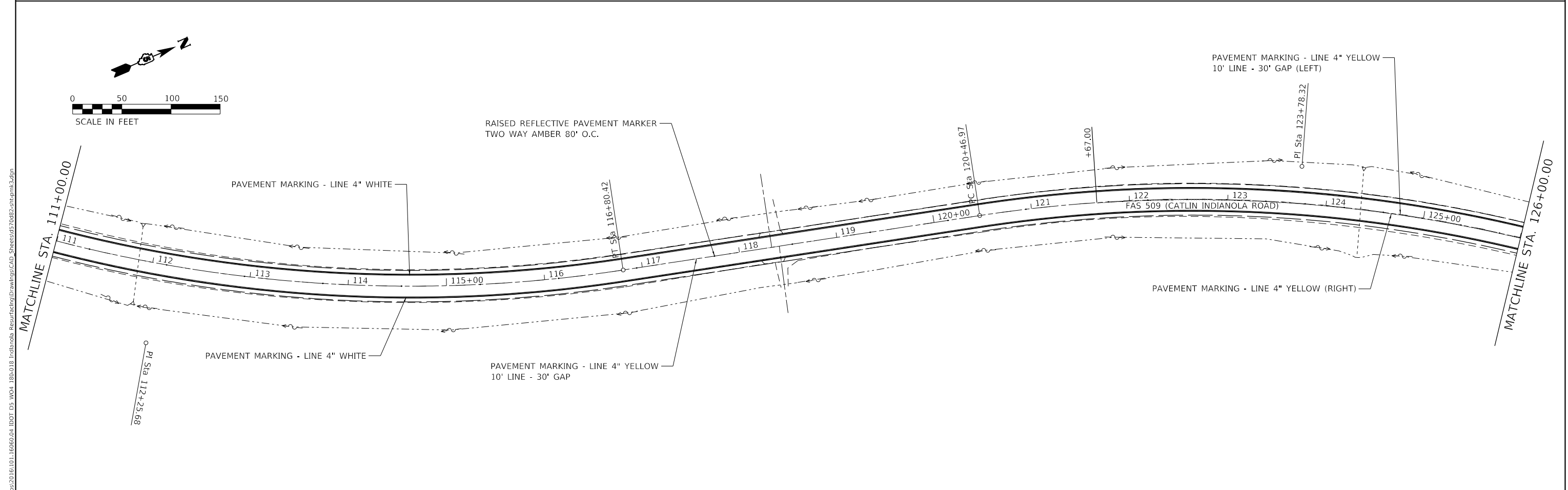
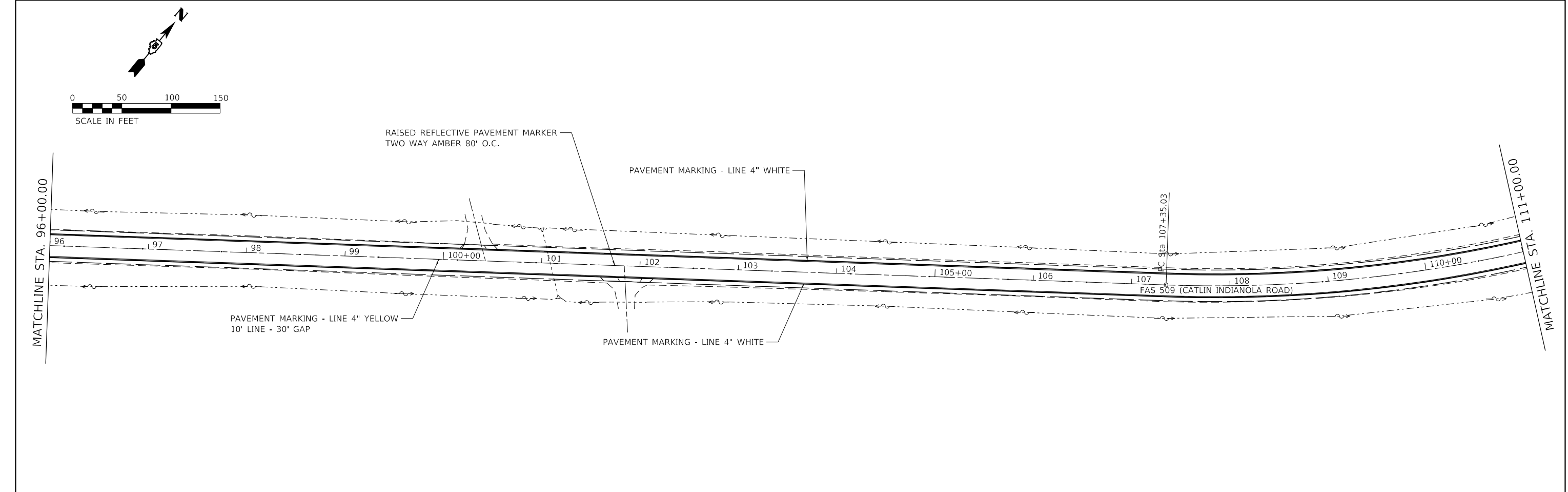


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |  |  |  |                                |  |  |  |                |         |                    |                 |              |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PLOT SCALE = 100.0000 ' / in.                     |  |  |  | SCALE: 1" = 50'                |  |  |  | 509            | (84)RS  | VERMILION          | 47              | 14           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PLOT DATE = 3/9/2020                              |  |  |  | SHEET 1 OF 6 SHEETS            |  |  |  | P-95-026-20    |         | CONTRACT NO. 70D82 |                 |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |  |  |  | STA. 36+00.00 TO STA. 66+00.00 |  |  |  | ILLINOIS       |         | FED. AID PROJECT   |                 |              |

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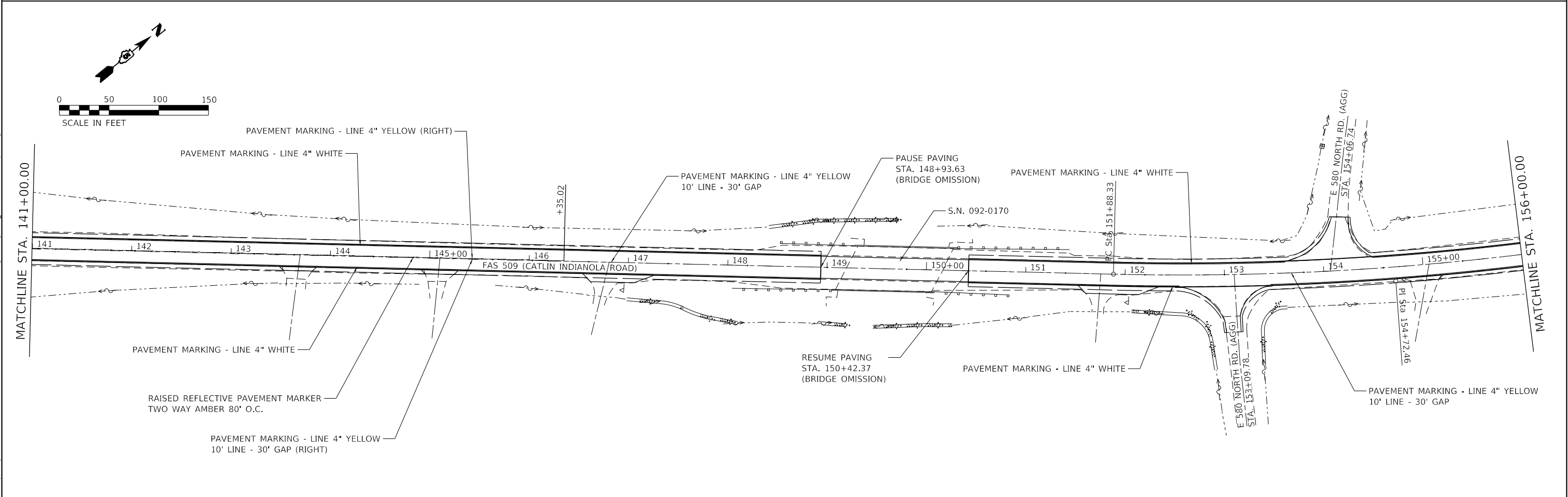
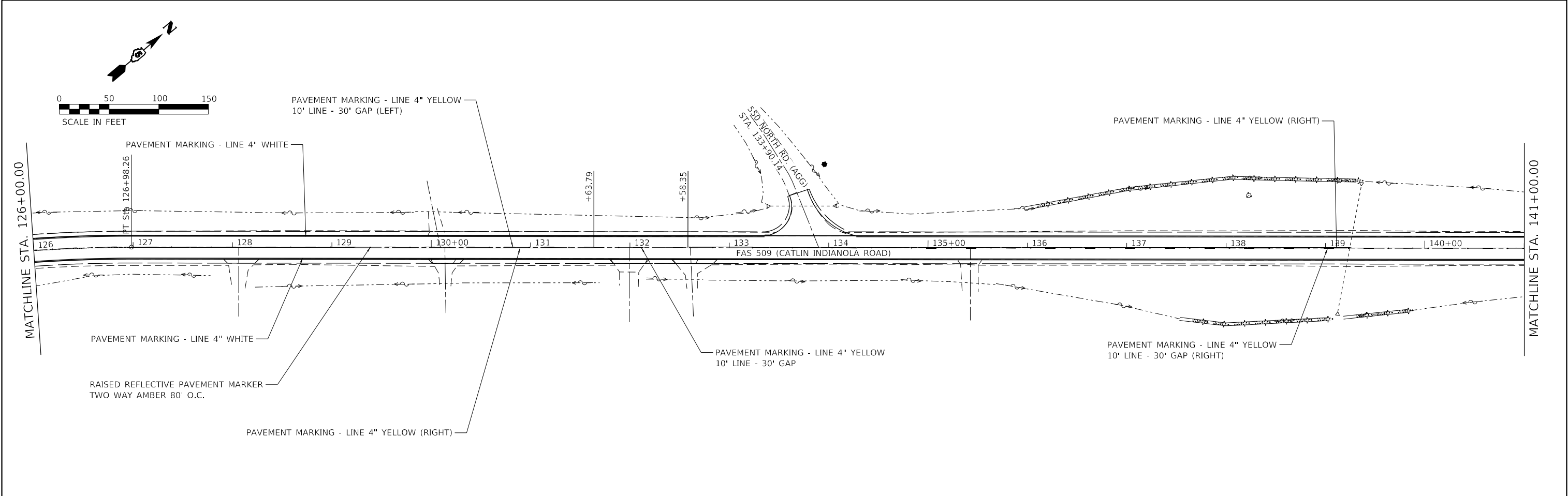


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| <div><div><div>Prairie Engineers, P.C.</div><div>404 N. Main Street<br/>Columbia, IL 62236<br/>(217) 605-0403<br/>www.prairieengineers.com<br/>Professional Design Firm No. 154-005965<br/>Copyright Prairie Engineers of Illinois, P.C. 2019</div></div><div><div>ENGINEERS SURVEYORS SCIENTISTS</div></div></div> | USER NAME = rheinke           |  | DESIGNED - ZDL | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PAVEMENT MARKING PLAN                                                             |  |  |  | F.A.S. RTE. | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
|                                                                                                                                                                                                                                                                                                                     | DRAWN - RNH                   |  | CHECKED - ZDL  | REVISED - |                                                   | SCALE: 1" = 50'    SHEET 2    OF 6    SHEETS    STA. 66+00.00    TO STA. 96+00.00 |  |  |  | 509         | (84)RS  | VERMILION          | 47           | 15        |
|                                                                                                                                                                                                                                                                                                                     | PLOT SCALE = 100.0000 ' / in. |  | DATE -         | REVISED - |                                                   |                                                                                   |  |  |  | P-95-026-20 |         | CONTRACT NO. 70D82 |              |           |
|                                                                                                                                                                                                                                                                                                                     | PLOT DATE = 3/9/2020          |  |                |           |                                                   |                                                                                   |  |  |  | ILLINOIS    |         | FED. AID PROJECT   |              |           |

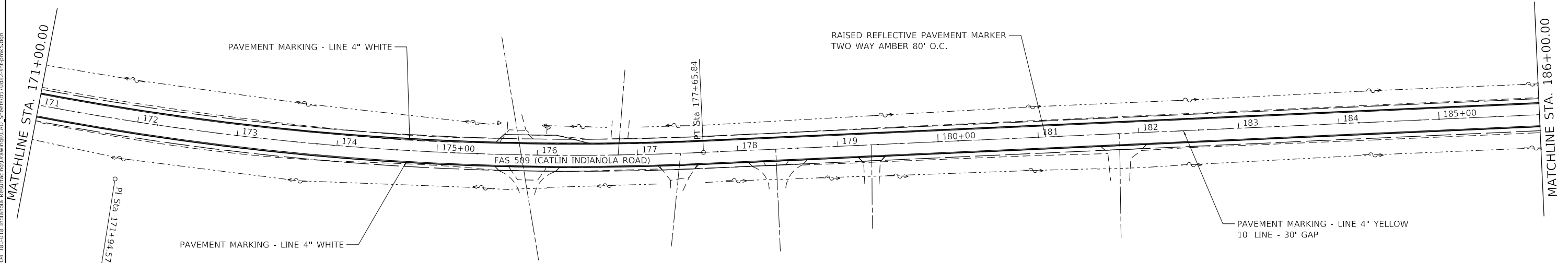
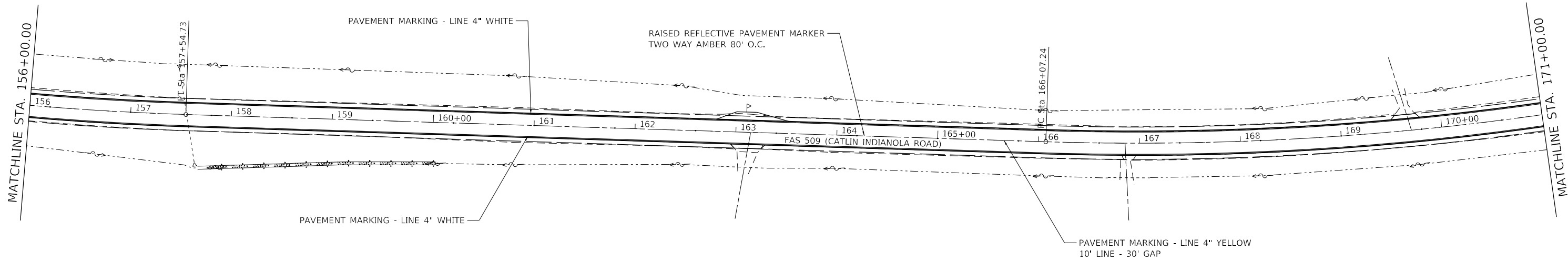
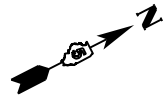


|                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |  |                |           |                                                   |                                                                                    |  |  |  |             |         |                    |              |           |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                   | DRAWN - RNH                   |  | CHECKED - ZDL  | REVISED - |                                                   | SCALE: 1" = 50'    SHEET 3    OF 6    SHEETS    STA. 96+00.00    TO STA. 126+00.00 |  |  |  | 509         | (84)RS  | VERMILION          | 47           | 16        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                   | PLOT SCALE = 100.0000 ' / in. |  | DATE -         | REVISED - |                                                   |                                                                                    |  |  |  | P-95-026-20 |         | CONTRACT NO. 70D82 |              |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                   | PLOT DATE = 3/9/2020          |  |                |           |                                                   |                                                                                    |  |  |  | ILLINOIS    |         | FED. AID PROJECT   |              |           |

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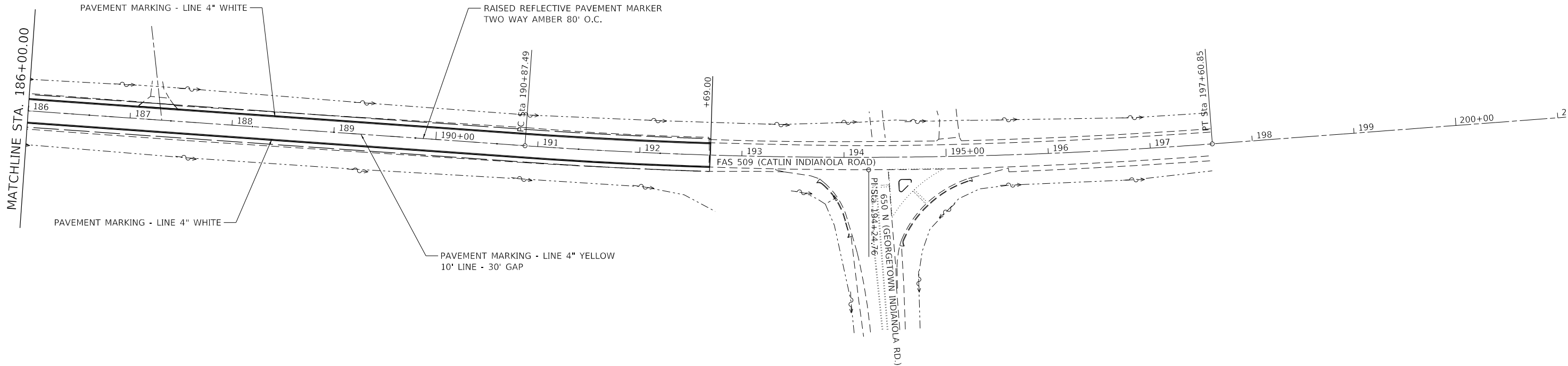


|                                                                                                                                                                                                                                                        |                               |  |                |           |                                                   |                       |  |  |  |                                  |         |                    |                  |           |
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| <div><div>Prairie Engineers, P.C.</div><div>404 N. Main Street<br/>Columbia, IL 62236<br/>(217) 605-0403<br/>www.prairieengineers.com<br/>professional design firm no. 154-005965<br/>© Copyright Prairie Engineers of Illinois, P.C. 2019</div></div> | USER NAME = zleach            |  | DESIGNED - ZDL | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PAVEMENT MARKING PLAN |  |  |  | F.A.S. RTE.                      | SECTION | COUNTY             | TOTAL SHEETS     | SHEET NO. |
|                                                                                                                                                                                                                                                        | DRAWN - RNH                   |  | CHECKED - ZDL  | REVISED - |                                                   |                       |  |  |  | 509                              | (84)RS  | VERMILION          | 47               | 17        |
|                                                                                                                                                                                                                                                        | PLOT SCALE = 100,000.3' / in. |  | DATE -         | REVISED - |                                                   | SCALE: 1" = 50'       |  |  |  | P-95-026-20                      |         | CONTRACT NO. 70D82 |                  |           |
|                                                                                                                                                                                                                                                        | PLOT DATE = 3/10/2020         |  |                |           |                                                   | SHEET 4 OF 6 SHEETS   |  |  |  | STA. 126+00.00 TO STA. 156+00.00 |         | ILLINOIS           | FED. AID PROJECT |           |



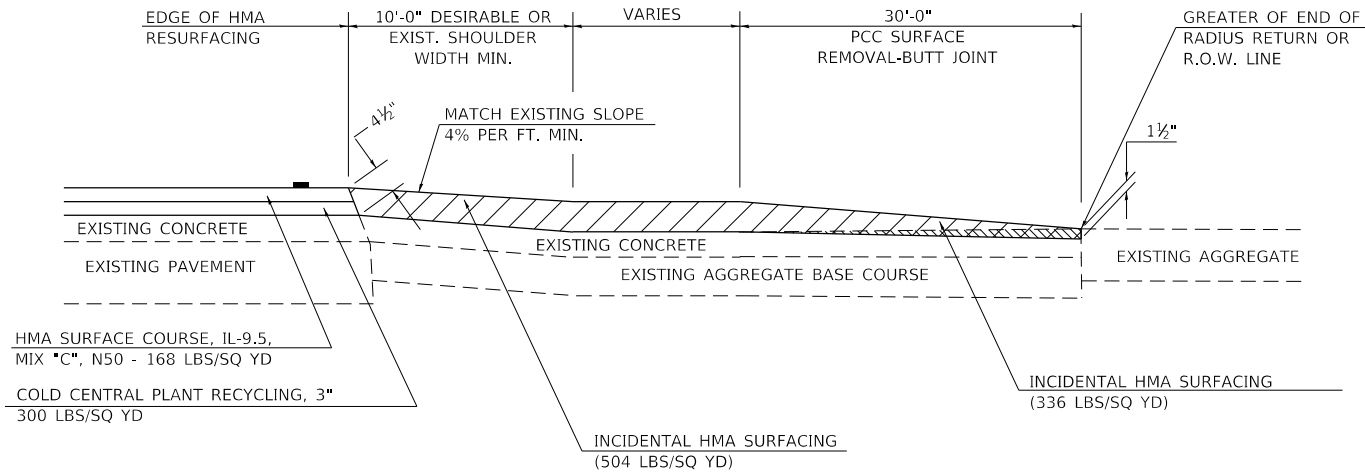
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|                                                                                                                                                                                                                                                                                                                                           |                               |  |                |           |                                                   |                       |        |           |    |    |  |                    |         |        |                 |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|----------------|-----------|---------------------------------------------------|-----------------------|--------|-----------|----|----|--|--------------------|---------|--------|-----------------|-------------------|
| <div><div><div>Prairie Engineers, P.C.</div><div>404 N. Main Street<br/>Columbia, IL 62236<br/>(217) 605-0403<br/>www.prairieengineers.com<br/>Professional design firm no. 154-005965<br/>© Copyright Prairie Engineers of Illinois, P.C. 2019</div></div><div><div>ENGINEERS</div><div>SURVEYORS</div><div>SCIENTISTS</div></div></div> | USER NAME = rheinke           |  | DESIGNED - ZDL | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PAVEMENT MARKING PLAN |        |           |    |    |  | F.A.S.<br>RTE.     | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO.      |
|                                                                                                                                                                                                                                                                                                                                           | DRAWN - RNH                   |  | CHECKED - ZDL  | REVISED - |                                                   | 509                   | (84)RS | VERMILION | 47 | 18 |  |                    |         |        |                 |                   |
|                                                                                                                                                                                                                                                                                                                                           | PLOT SCALE = 100,0000 ' / in. |  | DATE -         | REVISED - |                                                   | P-95-026-20           |        |           |    |    |  | CONTRACT NO. 70D82 |         |        |                 |                   |
|                                                                                                                                                                                                                                                                                                                                           | PLOT DATE = 3/9/2020          |  | DATE -         | REVISED - |                                                   | SCALE: 1" = 50'       |        |           |    |    |  | SHEET 5            | OF 6    | SHEETS | STA. 156+00.00  | TO STA. 186+00.00 |

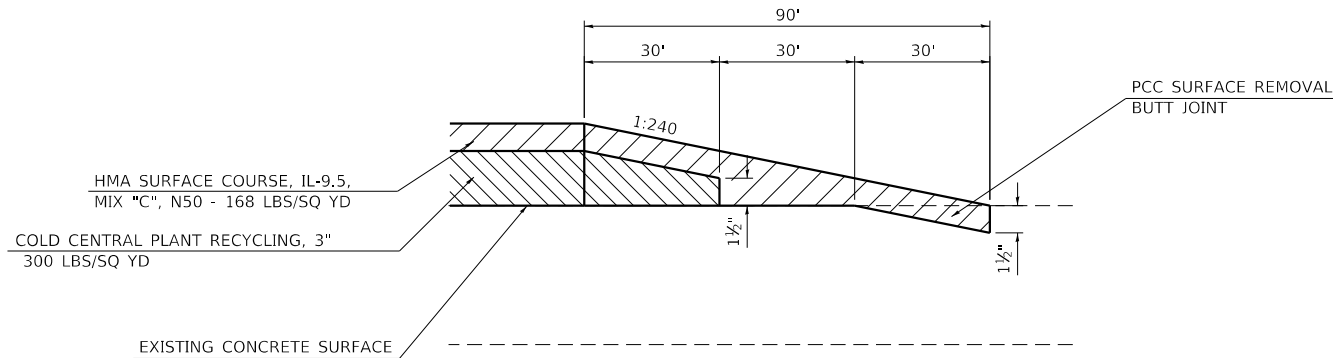


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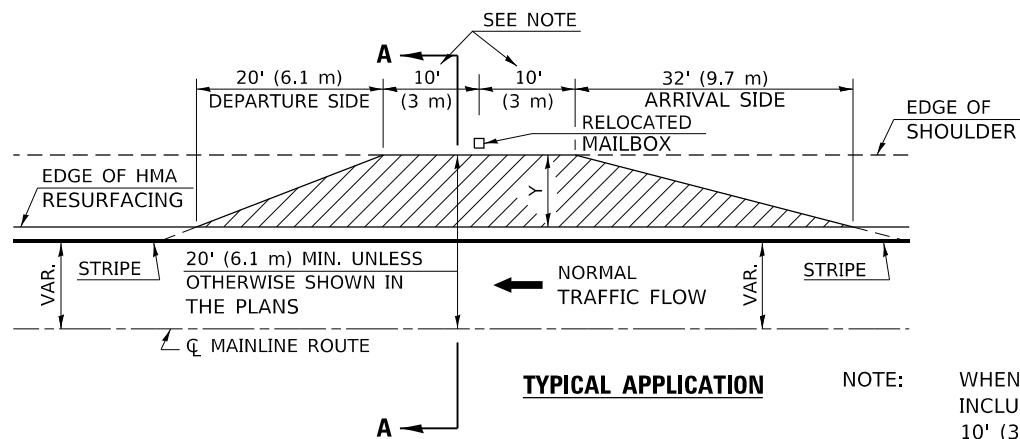
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| <div><div><div>Prairie Engineers, P.C.</div><div>404 N. Main Street<br/>Columbia, IL 62236<br/>(217) 605-0403<br/>www.prairieengineers.com<br/>Professional design firm no. 154-005965<br/>ENGINEERS, SURVEYORS, SCIENTISTS<br/>© Copyright Prairie Engineers of Illinois, P.C. 2019</div></div></div> | USER NAME = rheinke           | DESIGNED - ZDL | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PAVEMENT MARKING PLAN                                                |  |  | F.A.S. RTE. | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
|                                                                                                                                                                                                                                                                                                        | DRAWN - RNH                   | REVIS          | REVISED - |                                                   |                                                                      |  |  | 509         | (84)RS  | VERMILION          | 47           | 19        |
|                                                                                                                                                                                                                                                                                                        | PLOT SCALE = 100,0000 ' / in. | CHECKED - ZDL  | REVISED - |                                                   | SCALE: 1" = 50' SHEET 6 OF 6 SHEETS STA. 186+00.00 TO STA. 201+00.00 |  |  | P-95-026-20 |         | CONTRACT NO. 70D82 |              |           |
|                                                                                                                                                                                                                                                                                                        | PLOT DATE = 3/9/2020          | DATE -         | REVISED - |                                                   |                                                                      |  |  | ILLINOIS    |         | FED. AID PROJECT   |              |           |



SIDEROAD RUNDOWN DETAIL



BUTT JOINT DETAIL

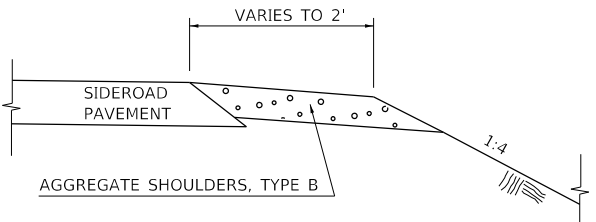


TYPICAL MAILBOX TURNOUT PLACEMENT

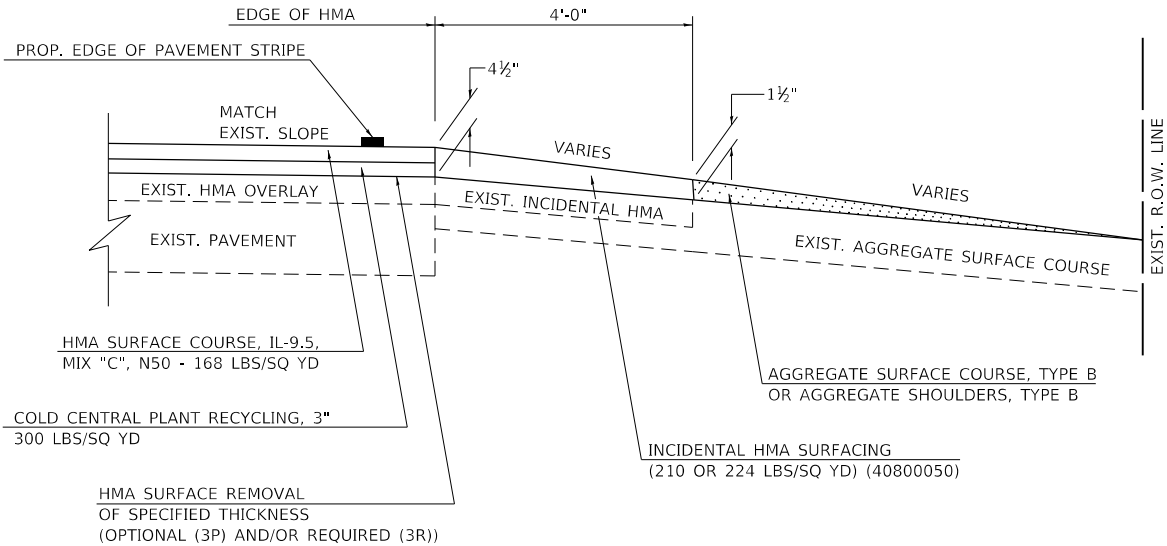
NOTE: WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.

|                      |                               |                                |
|----------------------|-------------------------------|--------------------------------|
| WIDTH OF SHOULDER    | 4'-0" - 8'-0" (1.2 m - 2.4 m) | 10'-0" (3.0 m)                 |
| WIDTH OF TURNOUT "Y" | 8'-0" (2.4 m)                 | 8'-0" - 10'-0" (2.4 m - 3.0 m) |

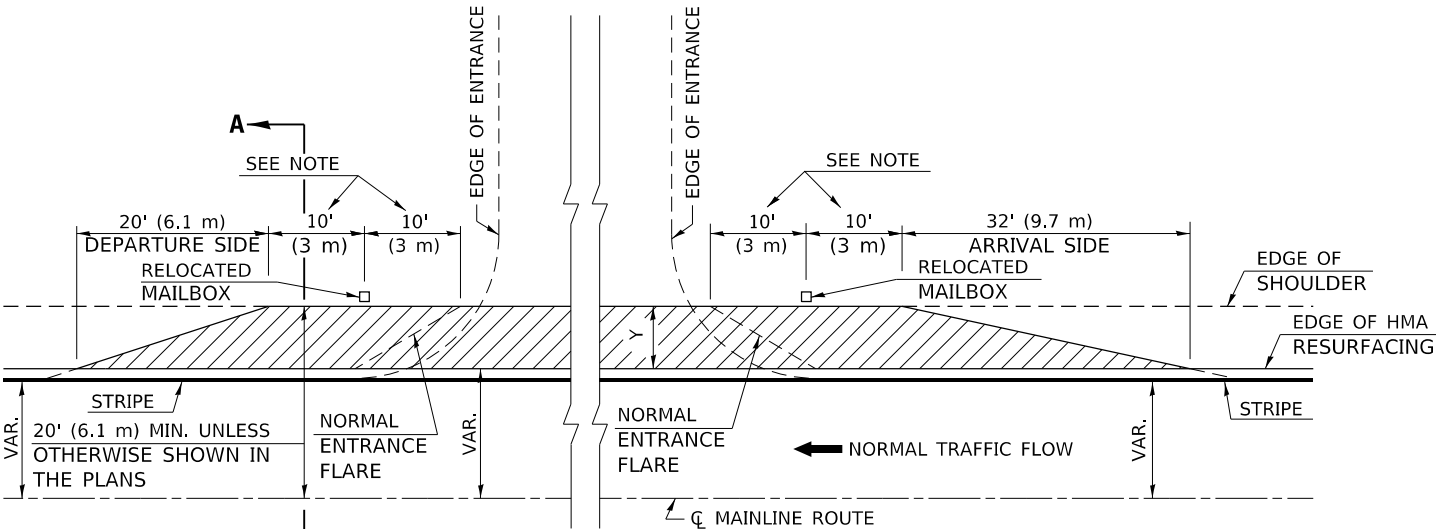
NOTE: AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.



SIDEROAD SHOULDER TREATMENT



EXISTING AGGREGATE ENTRANCE



TYPICAL MAILBOX TURNOUT PLACEMENT ADJACENT TO ENTRANCE

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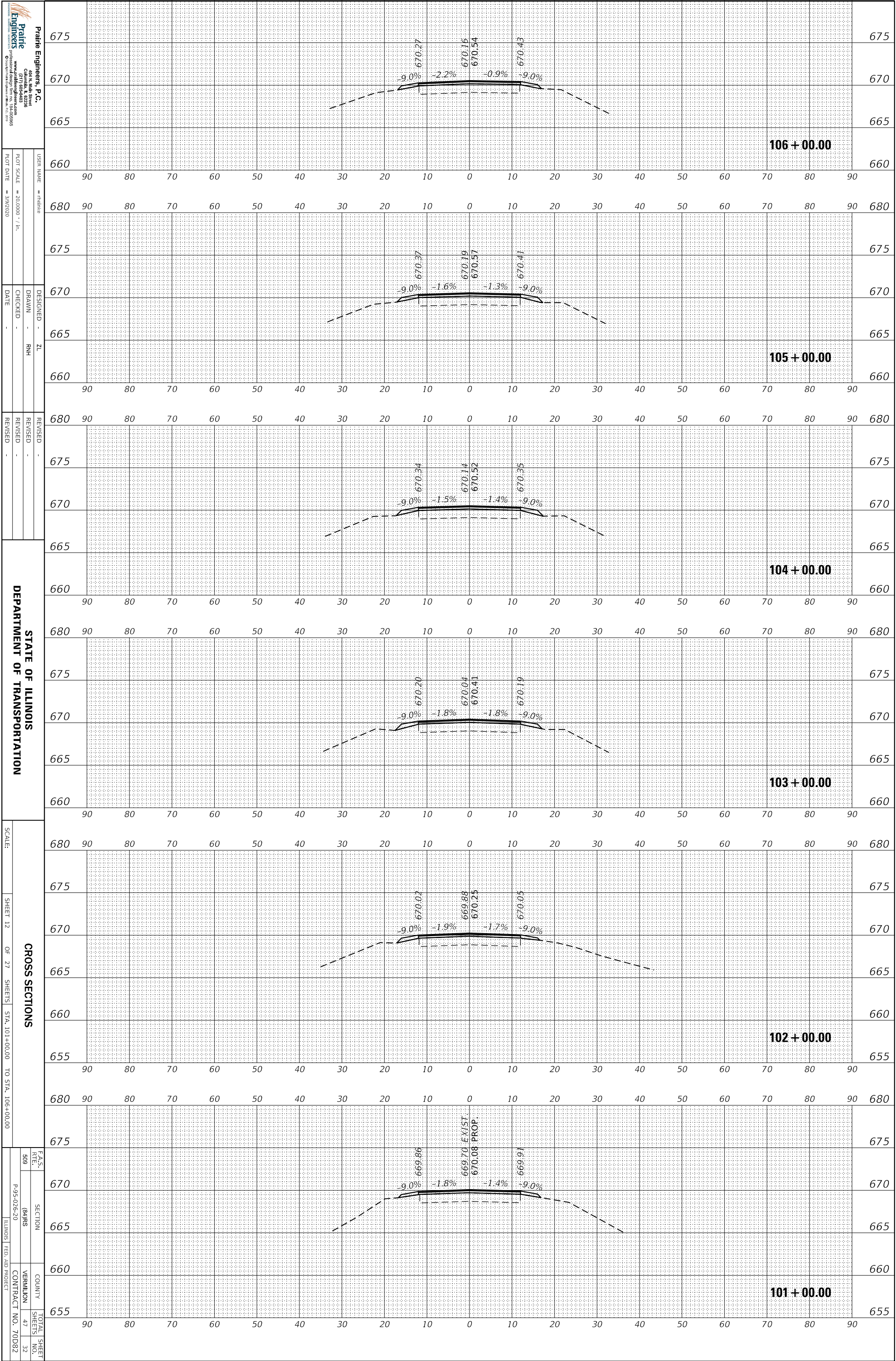
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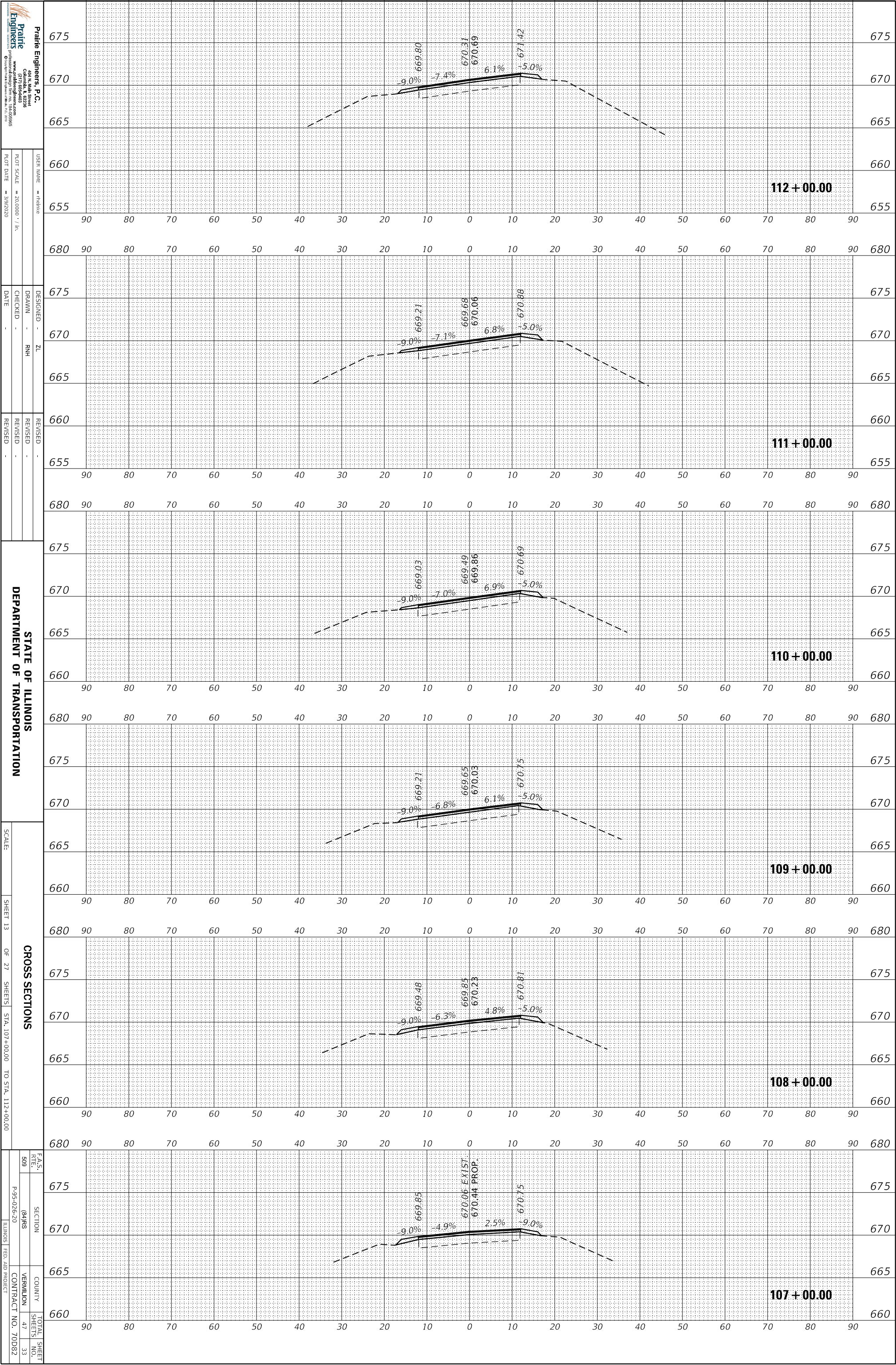
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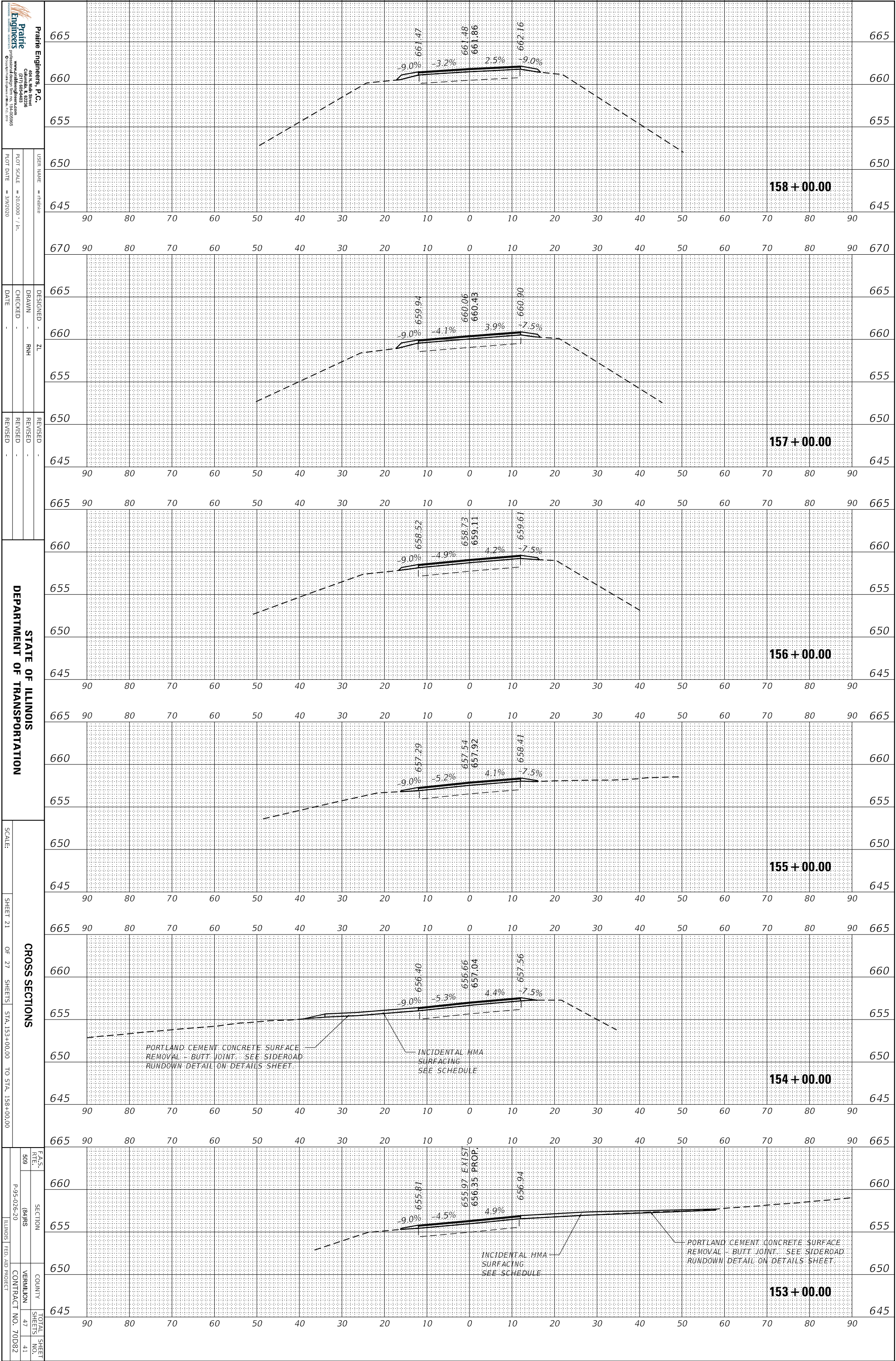




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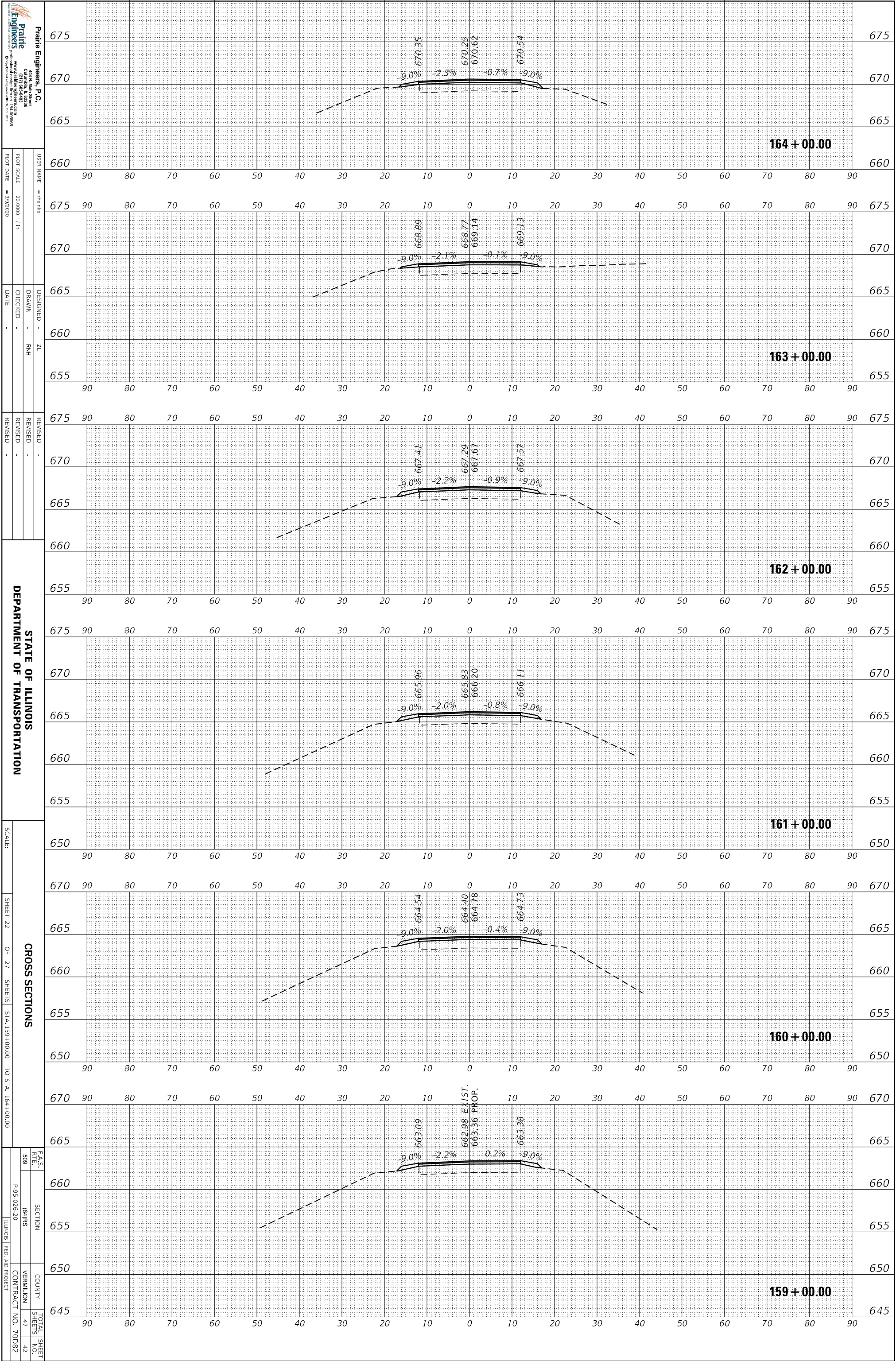
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