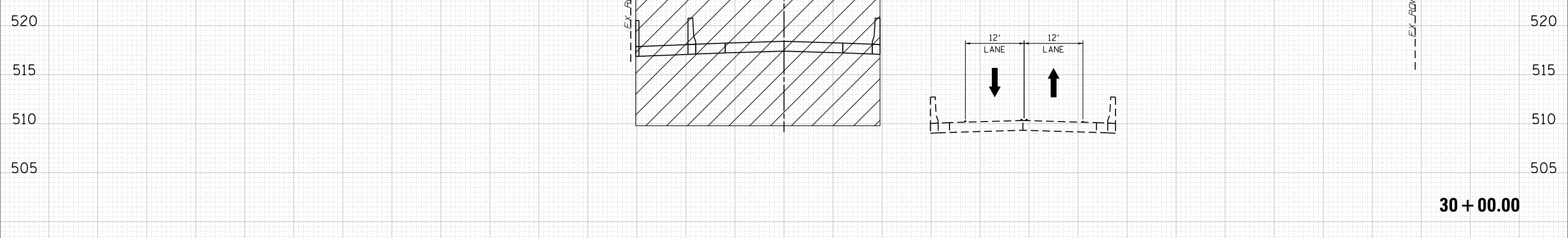


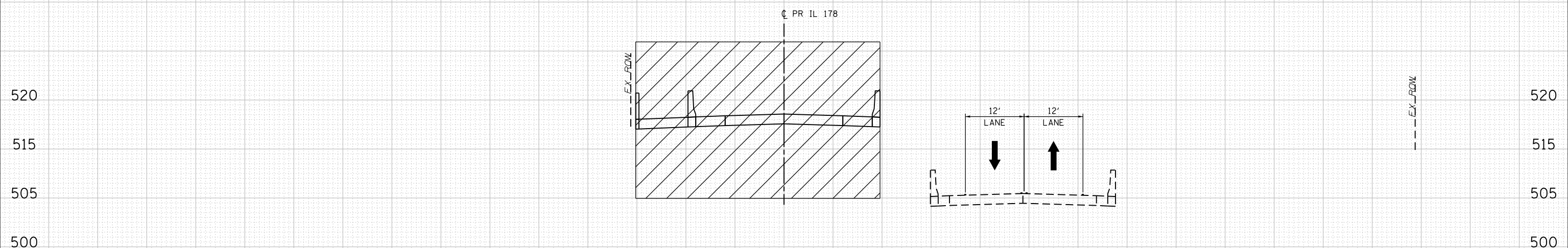
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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|------|----|-----------|----------|---------------|
| DATE | BY | SURVEYED | PLOTTED | AREAS CHECKED |
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| NO. | | NOTE BOOK | TEMPLATE | AREAS CHECKED |
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30 + 00.00

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|------|----|-----------|----------|---------------|
| DATE | BY | SURVEYED | PLOTTED | AREAS CHECKED |
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| NO. | | NOTE BOOK | TEMPLATE | AREAS CHECKED |
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29 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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|-----------------------------|----------------|---------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISIED - -- | ----- |
| | DRAWN - NSA | REVISIED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISIED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISIED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

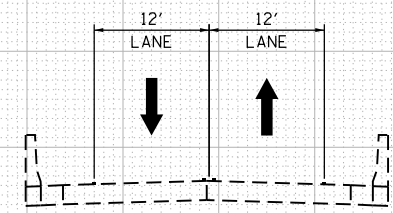
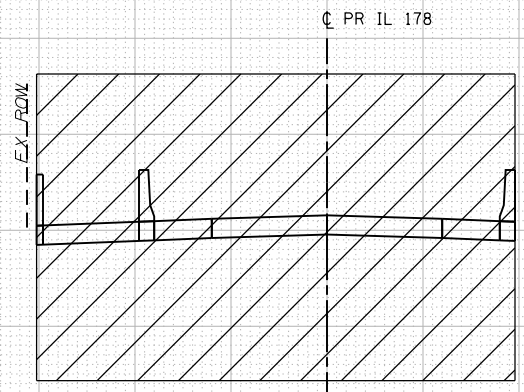
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5'V SHEET NO. 43 OF 112 SHEETS STA. 29+00.00 TO STA. 30+00.00

| | | | | |
|-------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 101 |
| | | | CONTRACT NO. 66992 | |

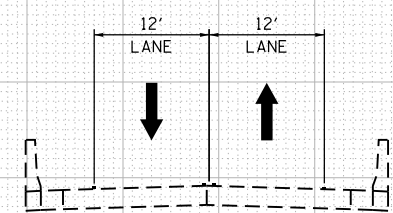
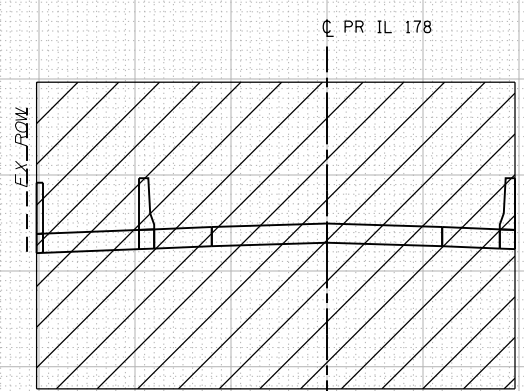
ILLINOIS FED. AID PROJECT

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



--- EX ROW

32 + 00.00



--- EX ROW

31 + 00.00

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

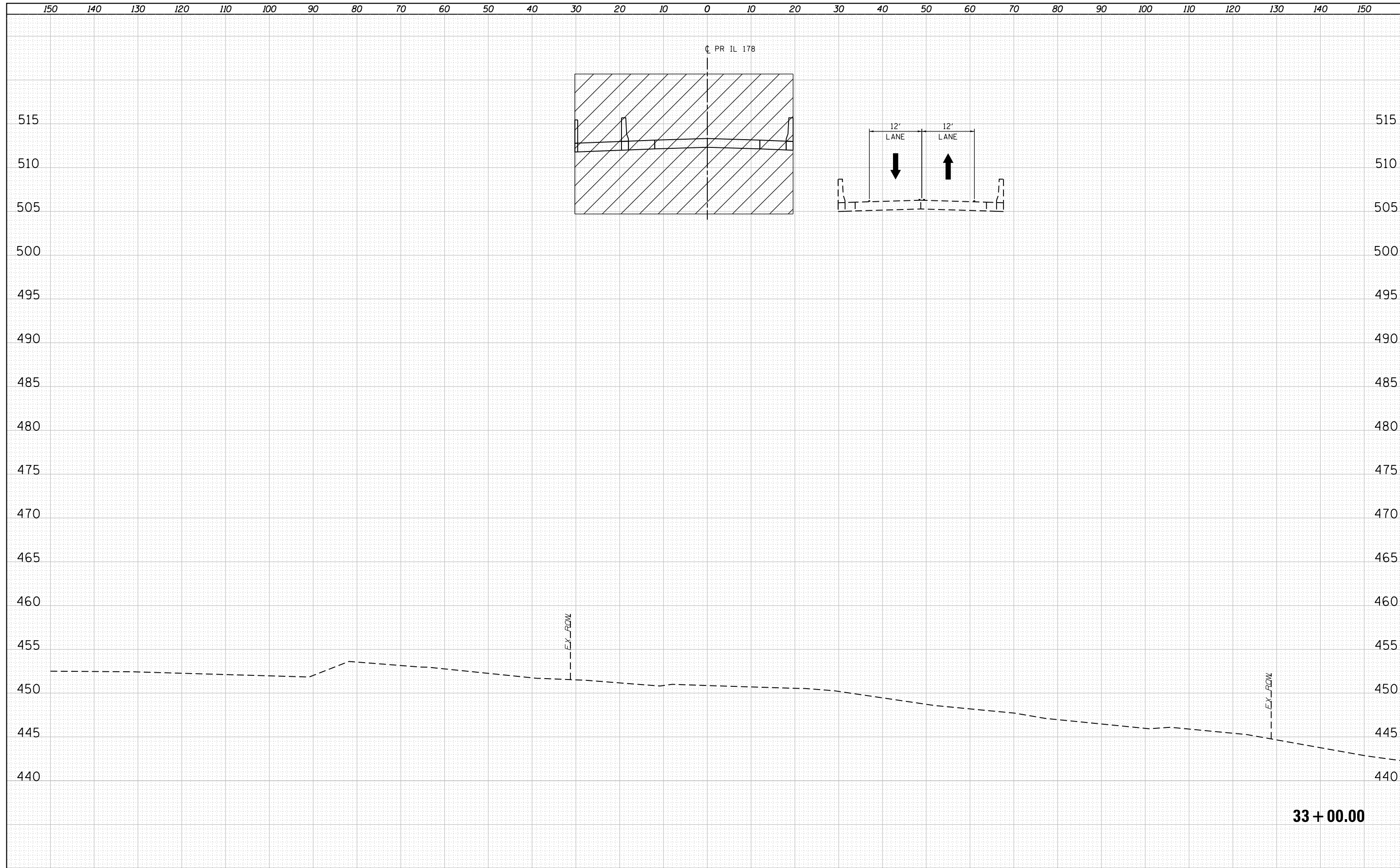
SCALE: 1"=10'H,5'V SHEET NO. 44 OF 112 SHEETS STA. 31+00.00 TO STA. 32+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 102 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

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

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

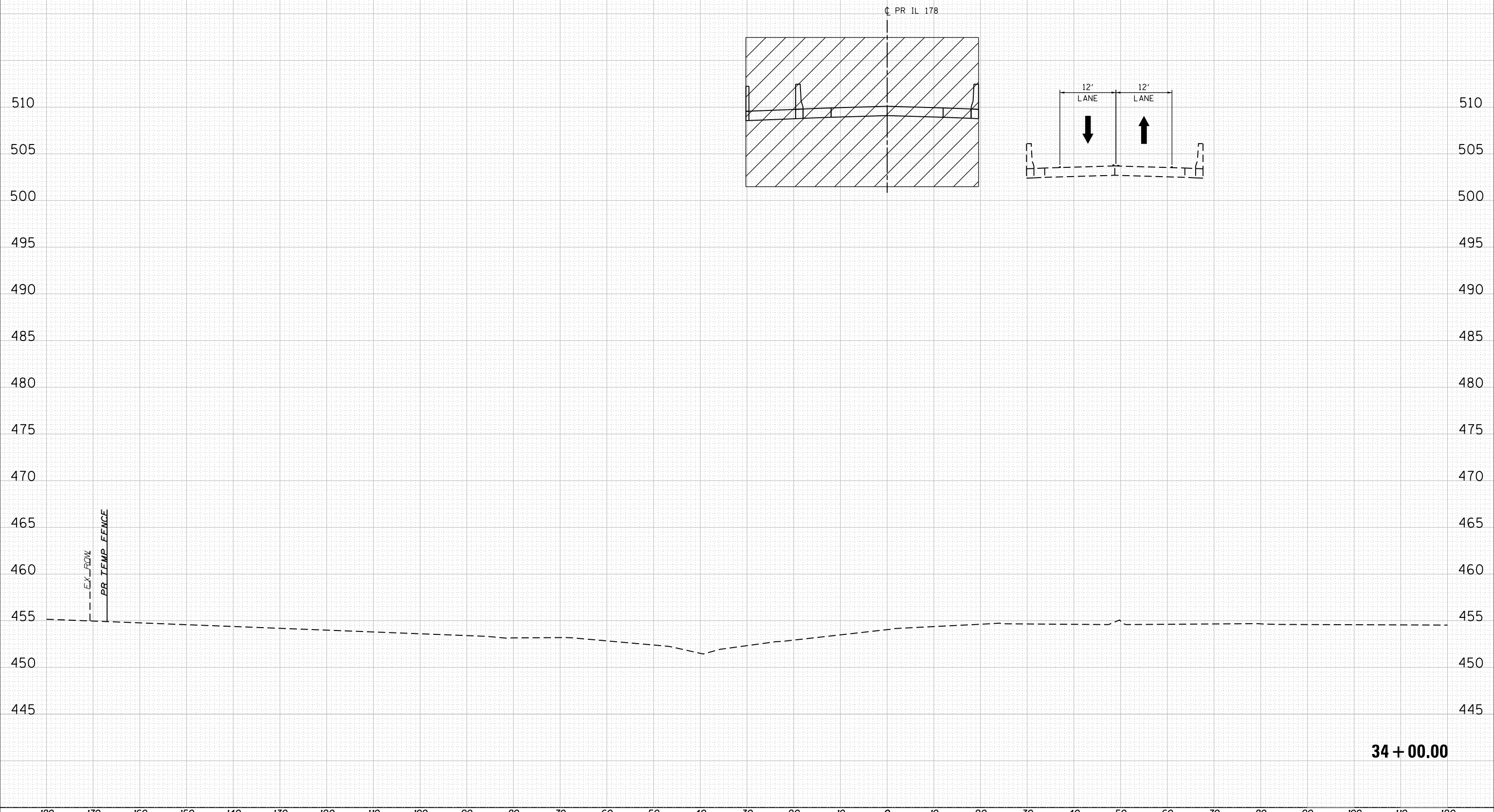


33 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



34 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | | |
|-----------------------------|----------------|---------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISIED - -- | ----- |
| | DRAWN - NSA | REVISIED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISIED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISIED - -- | ----- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1**

SCALE: 1"=10'H,5'V SHEET NO. 46 OF 112 SHEETS STA. 34+00.00 TO STA. 34+00.00

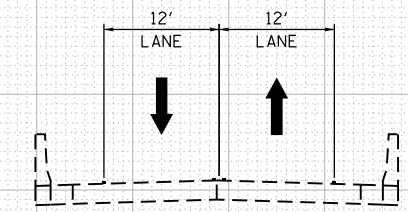
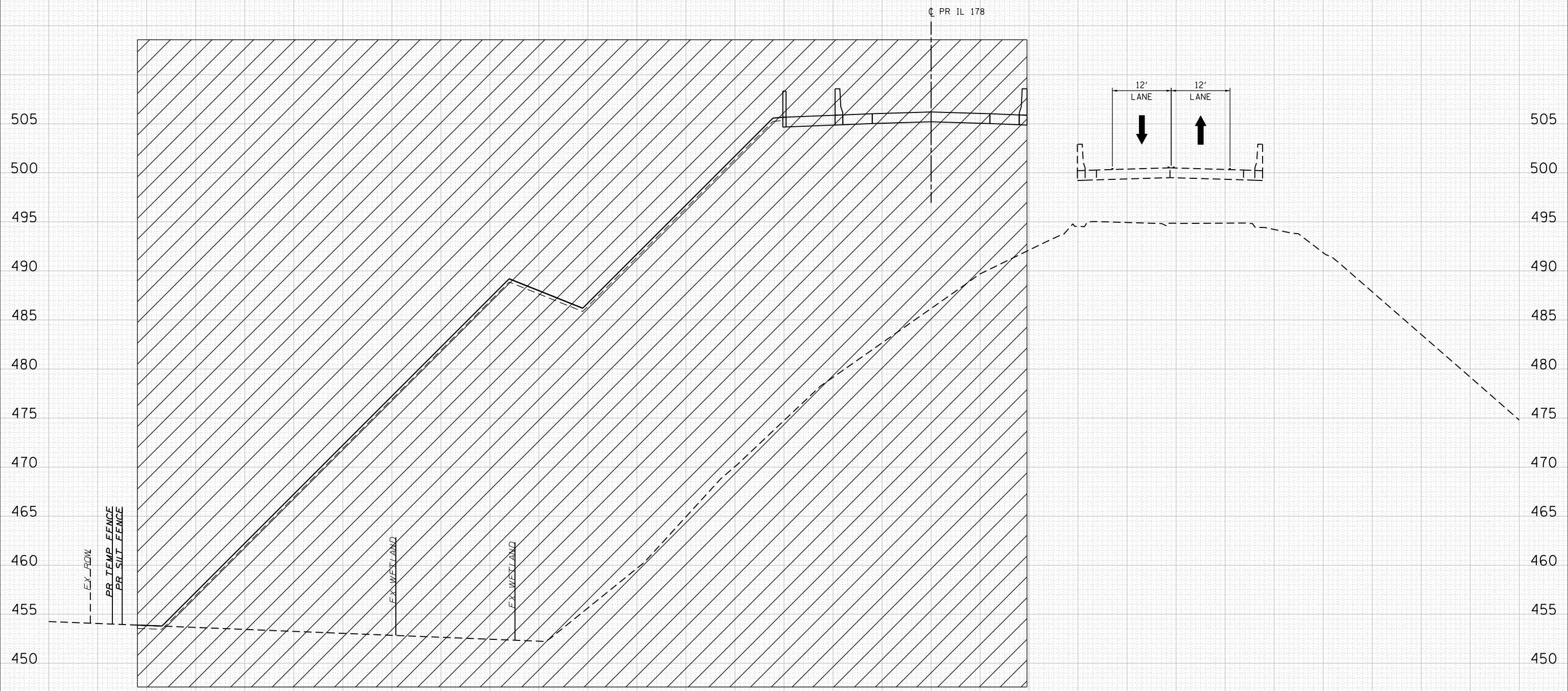
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 104 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



35 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

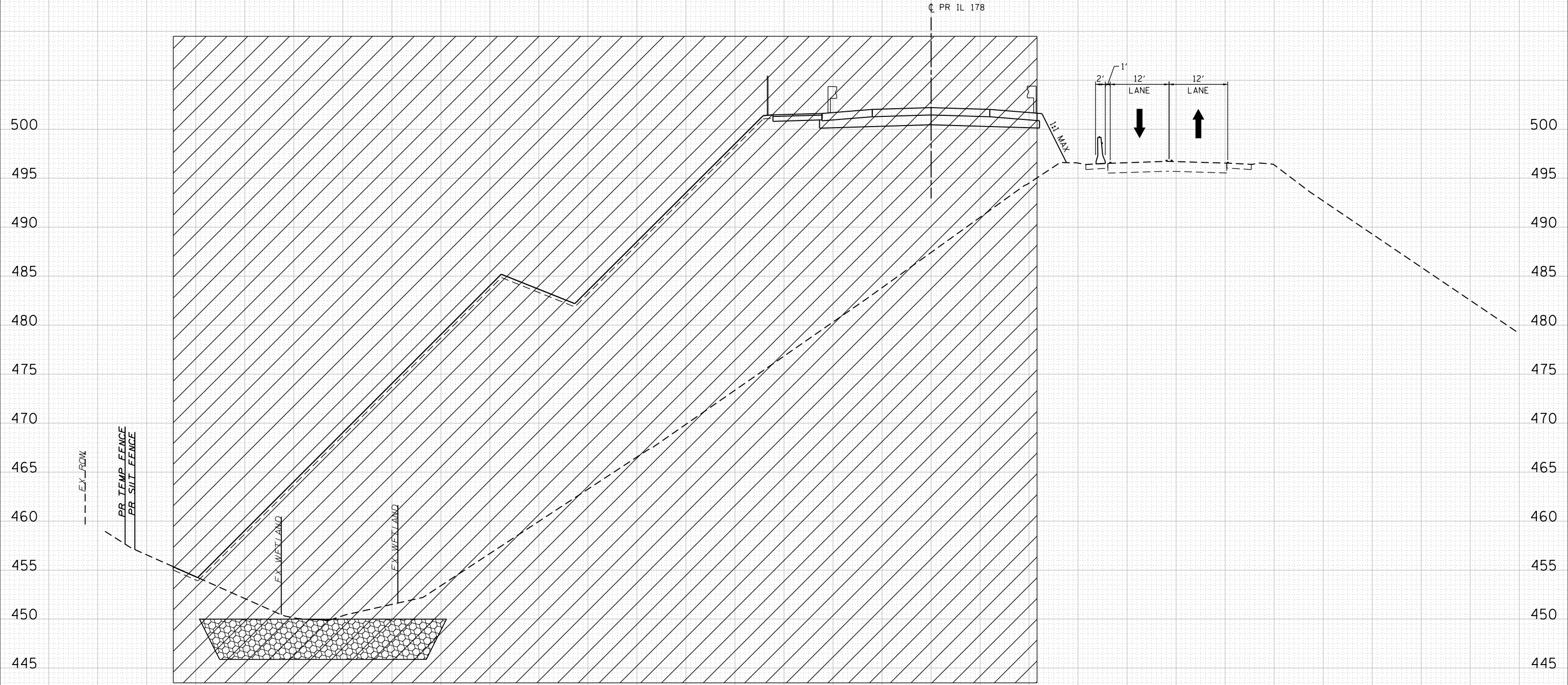
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5'V SHEET NO. 47 OF 112 SHEETS STA. 35+00.00 TO STA. 35+00.00

| | | | | |
|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 105 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



36 + 00.00

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

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

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



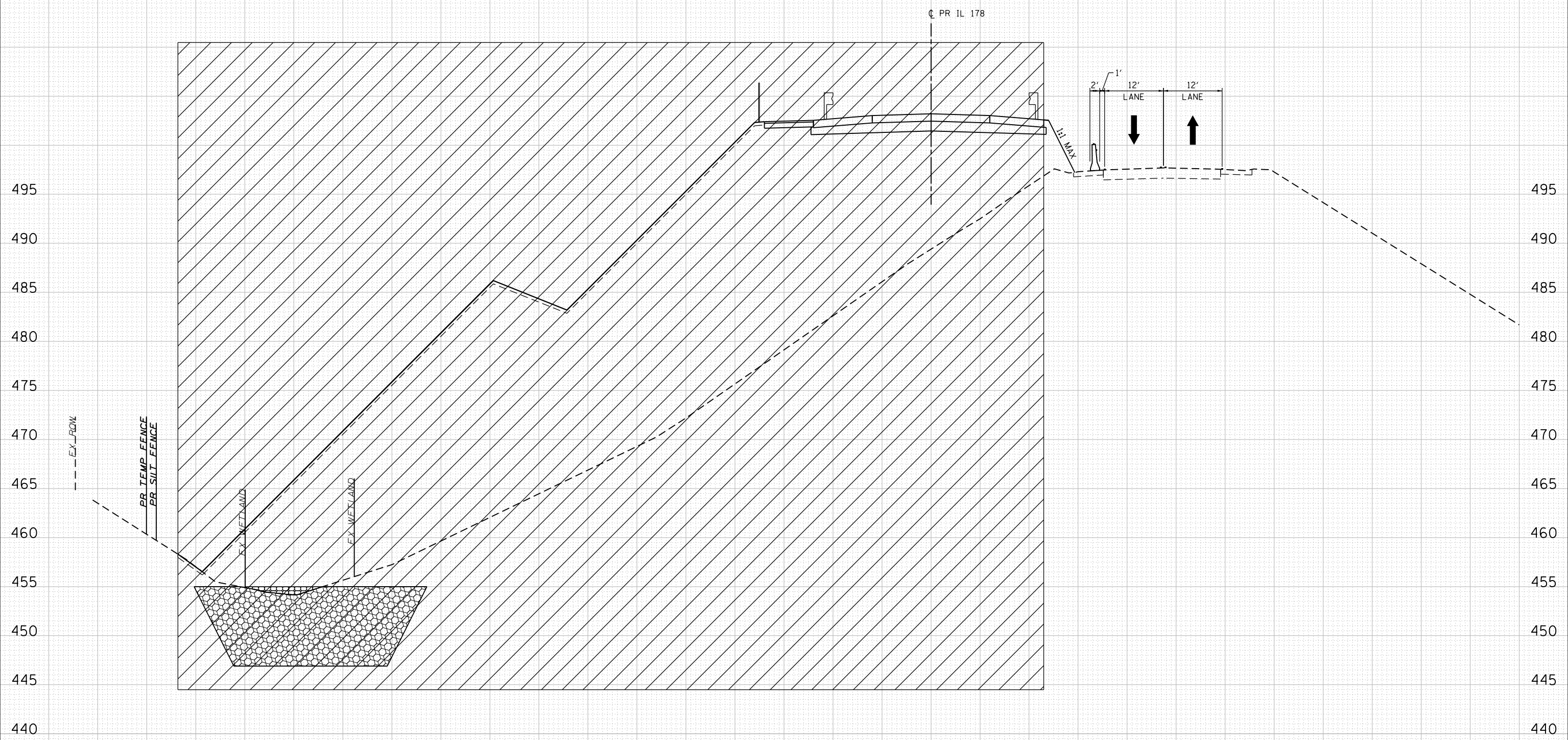
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|-----------------------------|----------------|---------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISIED - -- | ----- |
| | DRAWN - NSA | REVISIED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISIED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISIED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1
SCALE: 1"=10'H,5'V
SHEET NO. 48 OF 112 SHEETS
STA. 36+00.00 TO STA. 36+00.00

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|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 106 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



37 + 00.00

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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
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180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

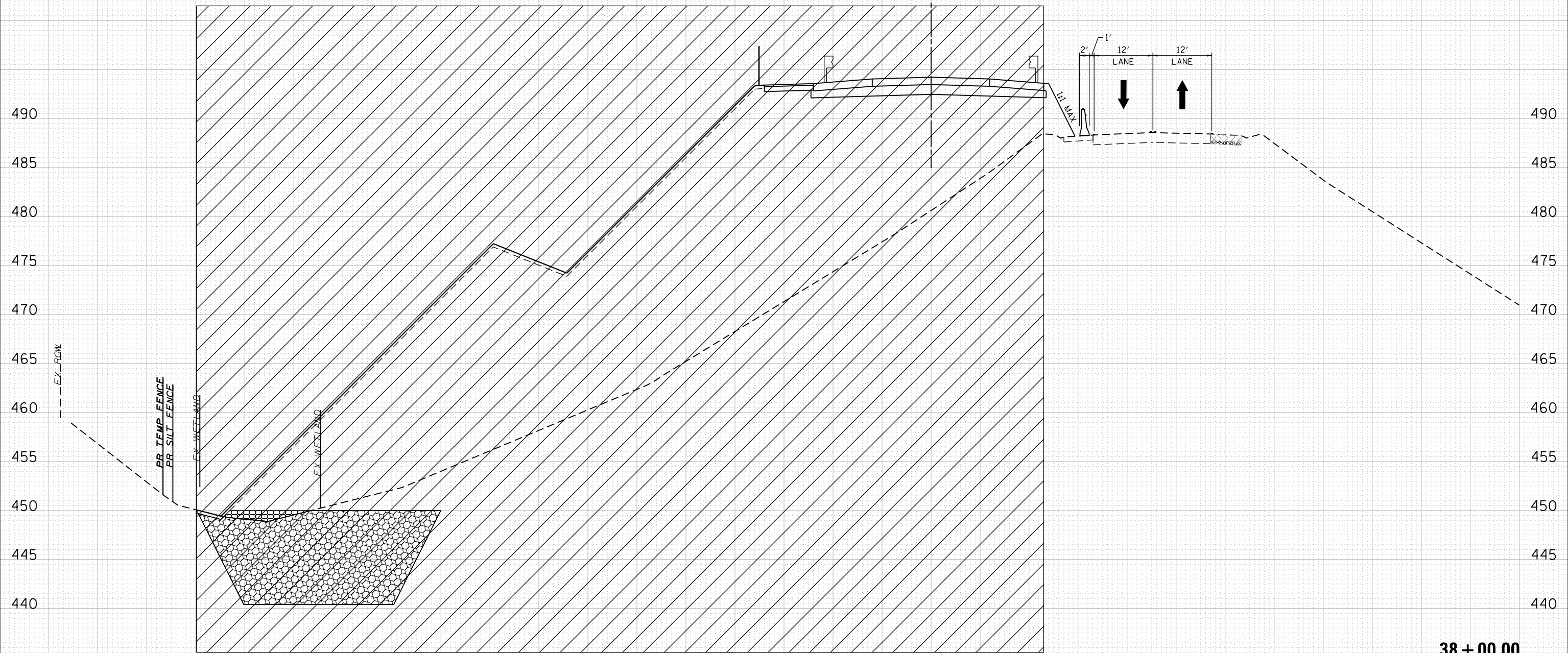
| | |
|------------------------------|--------------------------------|
| ILLINOIS ROUTE 178 | SCALE: 1"=10'H,5'V |
| MOT CROSS SECTIONS - STAGE 1 | SHEET NO. 49 OF 112 SHEETS |
| | STA. 37+00.00 TO STA. 37+00.00 |

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|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 107 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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| DATE | |
| BY | |
| SURVEYED | |
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| NO. | |

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| DATE | |
| BY | |
| SURVEYED | |
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| AREAS | |
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180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

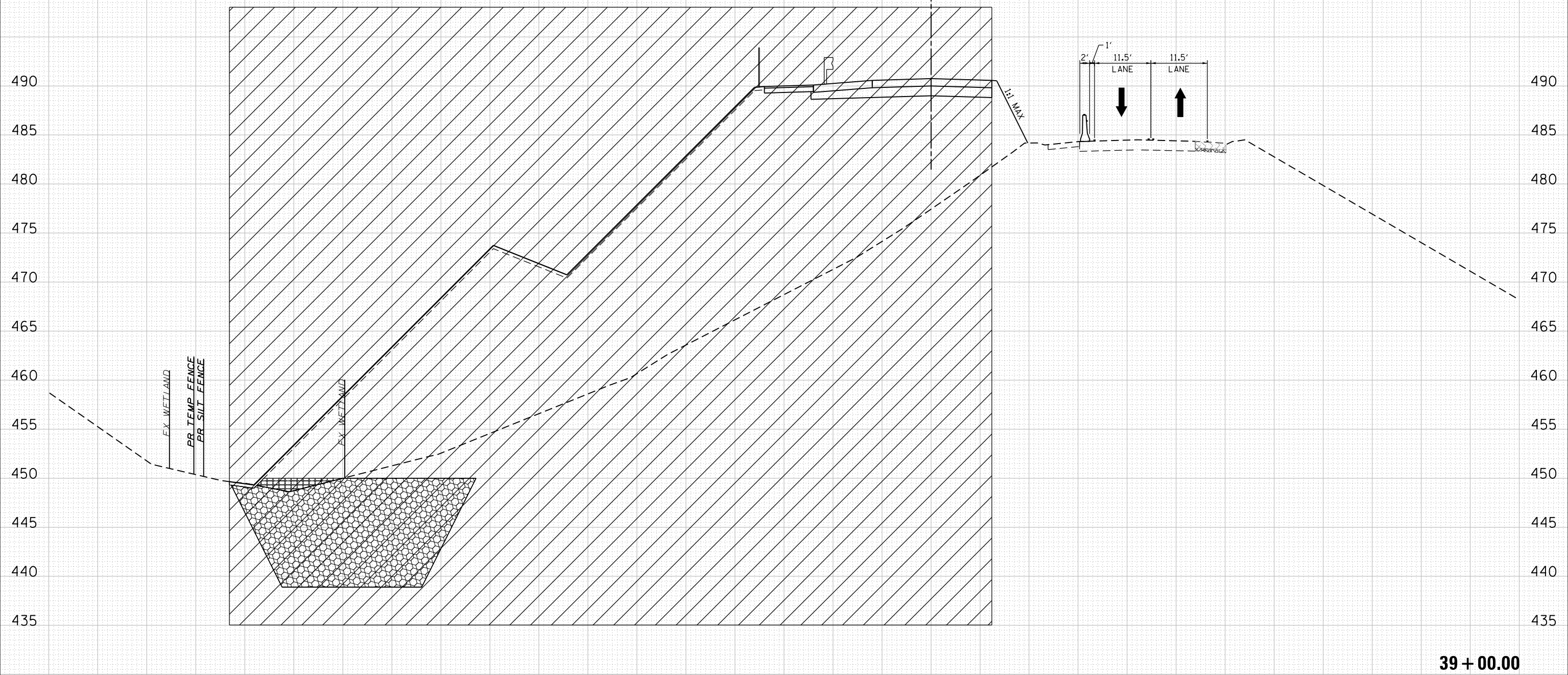
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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|------------------------------|----------------------------|
| ILLINOIS ROUTE 178 | |
| MOT CROSS SECTIONS - STAGE 1 | |
| SCALE: 1"=10'H,5'V | SHEET NO. 50 OF 112 SHEETS |
| STA. 38+00.00 | TO STA. 38+00.00 |

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|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 108 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

38 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



39 + 00.00

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

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|-------|
| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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| SCALE: 1"=10'H,5'V | SHEET NO. 51 OF 112 SHEETS | STA. 39+00.00 TO STA. 39+00.00 |
|--------------------|----------------------------|--------------------------------|

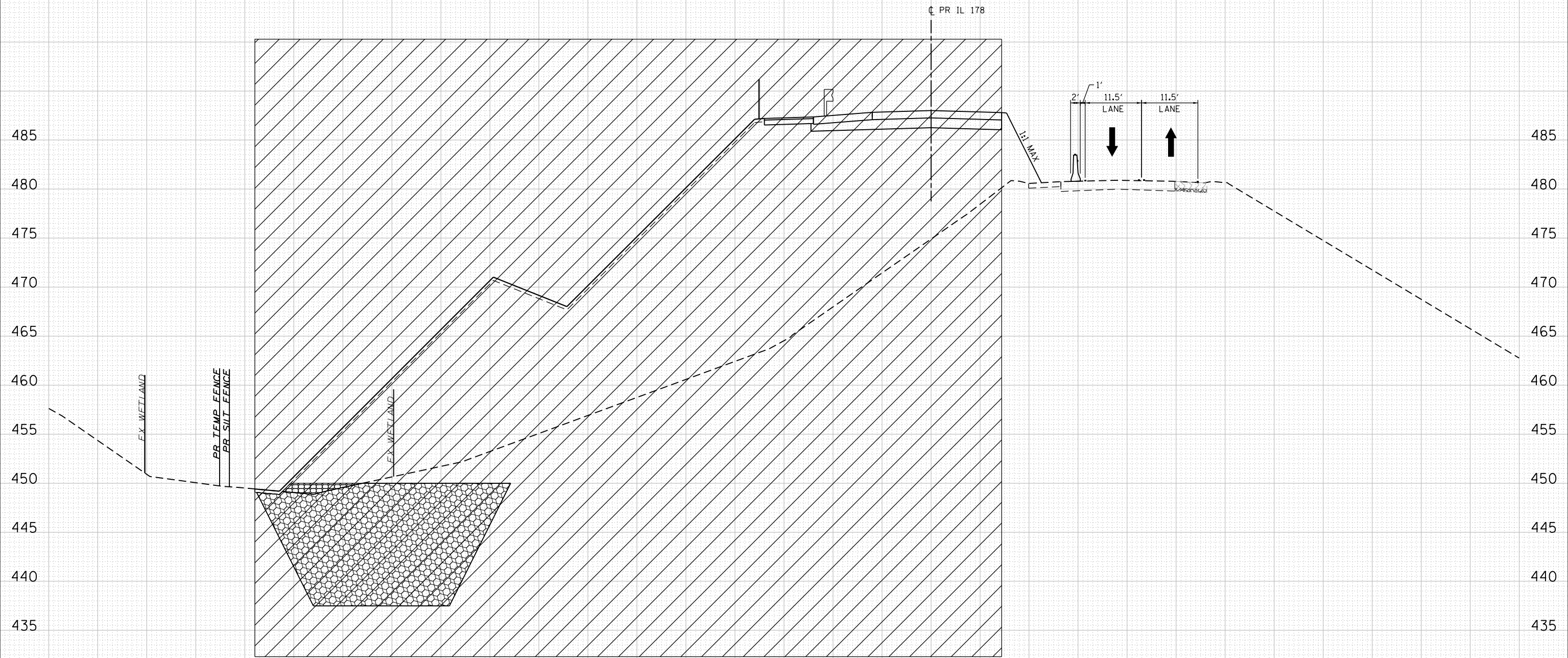
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

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|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 109 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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



40 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

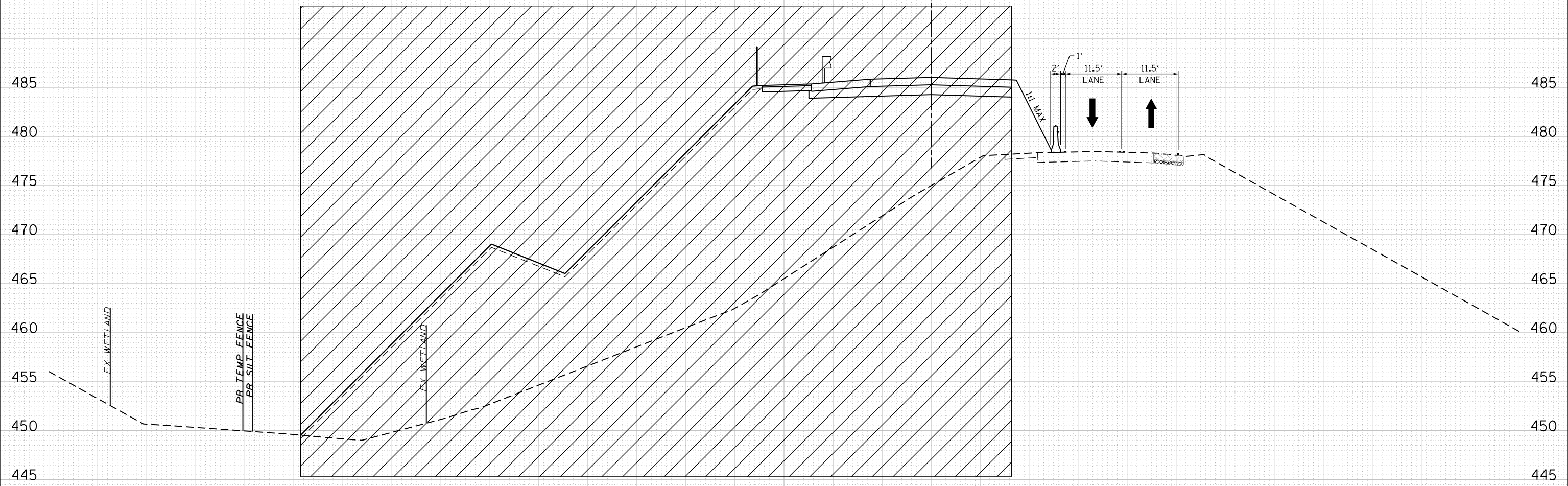
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1
SCALE: 1"=10'H,5'V SHEET NO. 52 OF 112 SHEETS STA. 40+00.00 TO STA. 40+00.00

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|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 110 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



41 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|---------------|-------|
| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISIED - -- | ----- |
| | DRAWN - NSA | REVISIED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISIED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISIED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

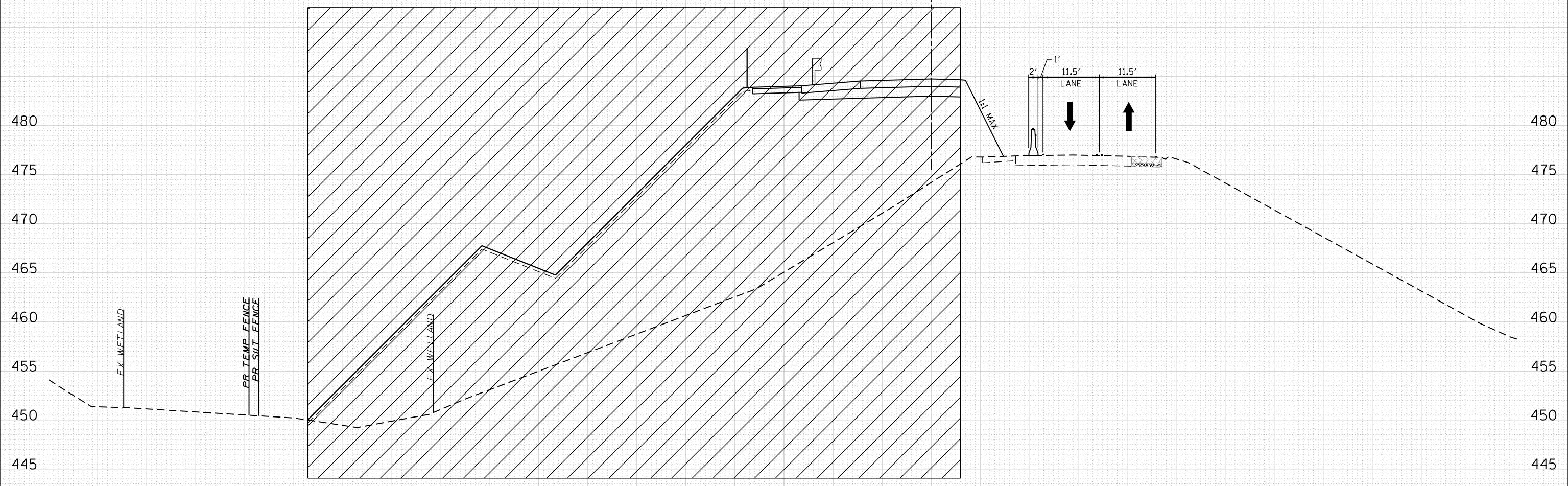
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1
SCALE: 1"=10'H,5'V SHEET NO. 53 OF 112 SHEETS STA. 41+00.00 TO STA. 41+00.00

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|--------------------|------------|---------|---------------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 111 |
| CONTRACT NO. 66992 | | | ILLINOIS FED. AID PROJECT | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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| DATE | |
| BY | |
| FINISHED SURVEY | |
| PLOTTED | |
| NOTE BOOK | |
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| ORIGINAL SURVEY | |
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| NOTE BOOK | |
| AREAS CHECKED | |



480
475
470
465
460
455
450
445

480
475
470
465
460
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445

42 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|
| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISÉD - -- |
| | DRAWN - NSA | REVISÉD - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISÉD - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISÉD - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5'V SHEET NO. 54 OF 112 SHEETS STA. 42+00.00 TO STA. 42+00.00

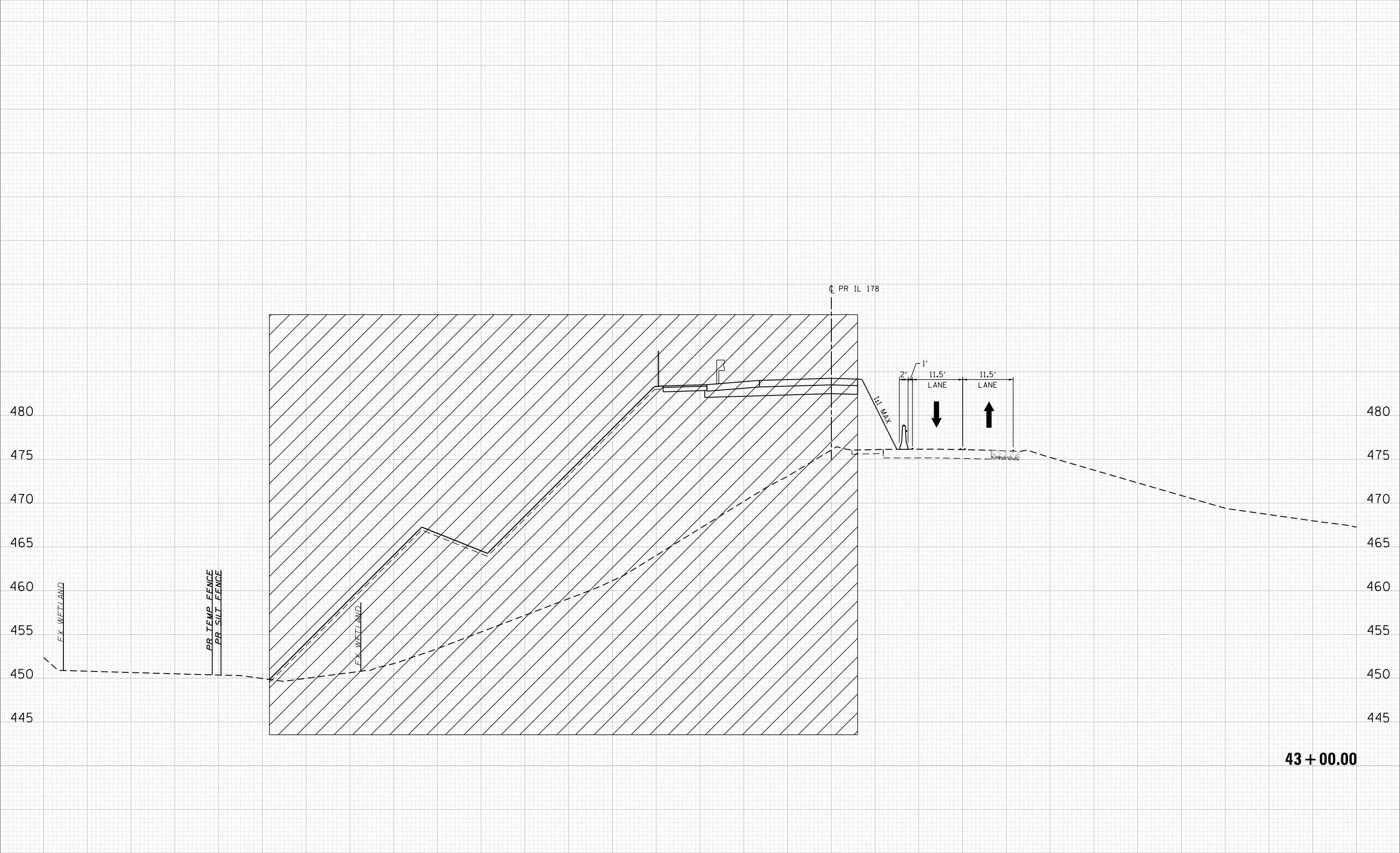
| | | | | |
|--------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 112 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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| DATE | |
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| SURVEYED | |
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| AREAS | |
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| FINAL SURVEY NOTE BOOK NO. | |

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



43 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|
| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

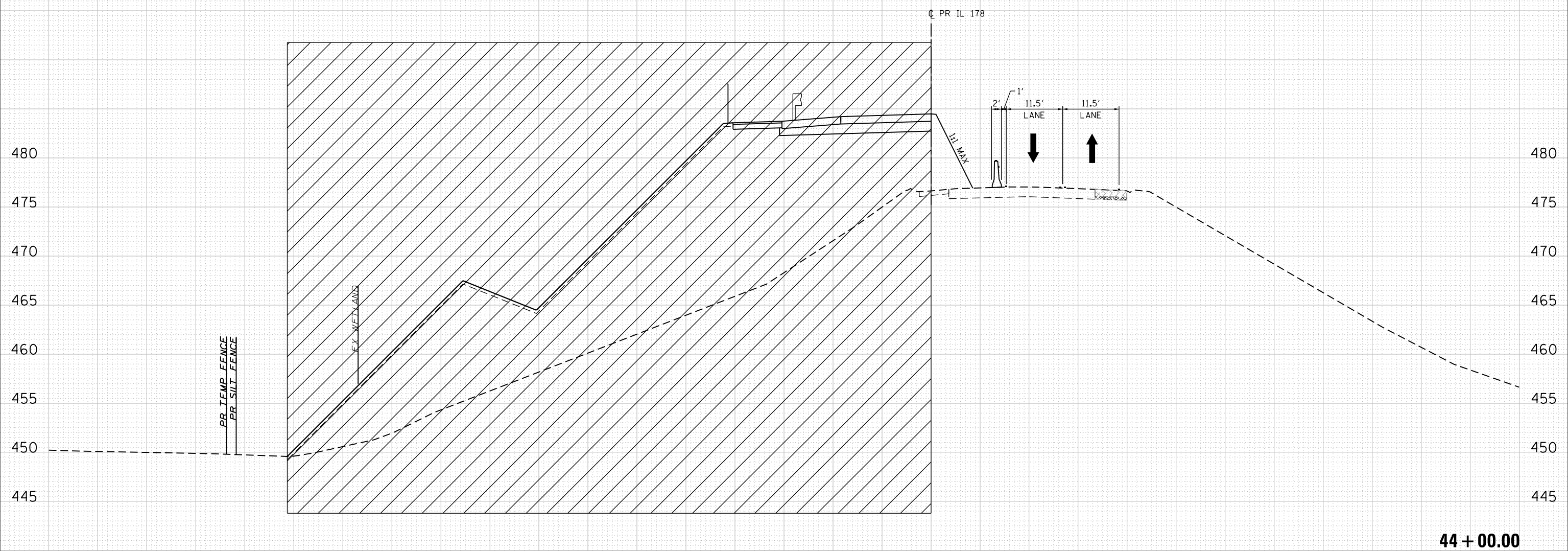
SCALE: 1"=10'H,5'V SHEET NO. 55 OF 112 SHEETS STA. 43+00.00 TO STA. 43+00.00

| | | | | |
|--------------------|------------|---------|---------------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 113 |
| CONTRACT NO. 66992 | | | ILLINOIS FED. AID PROJECT | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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



44 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|
| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5'V SHEET NO. 56 OF 112 SHEETS STA. 44+00.00 TO STA. 44+00.00

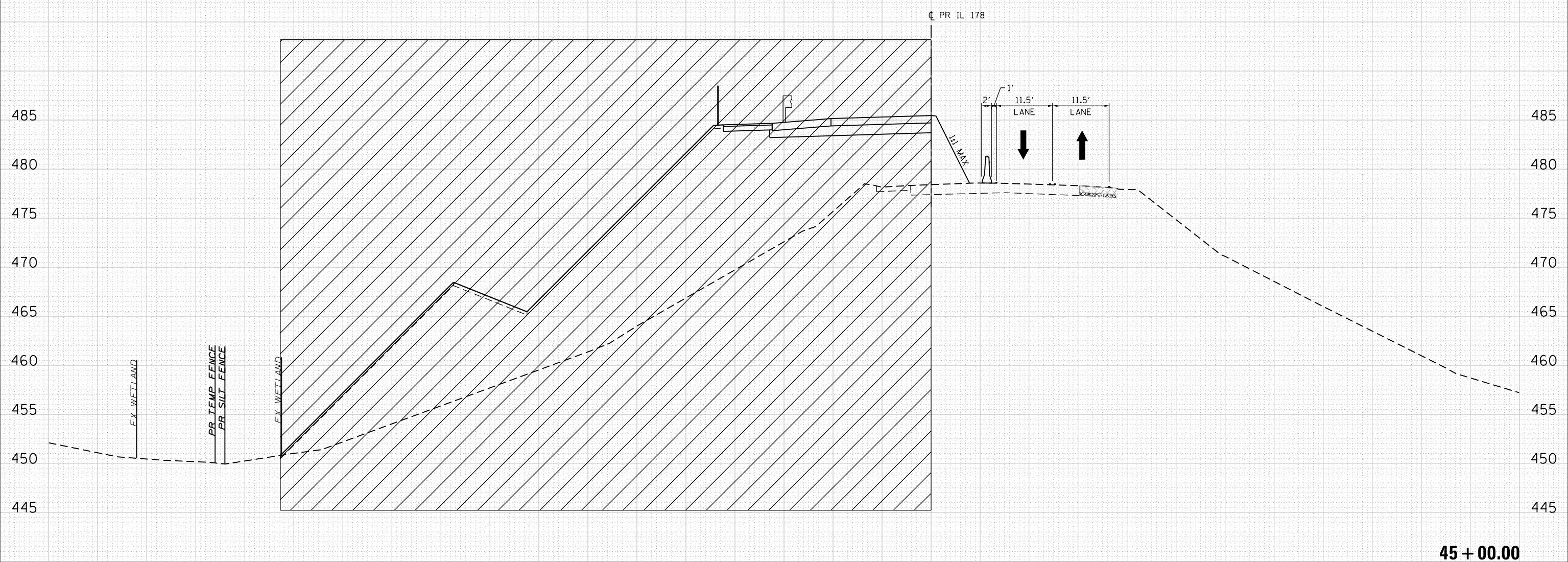
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 114 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5'V SHEET NO. 57 OF 112 SHEETS STA. 45+00.00 TO STA. 45+00.00

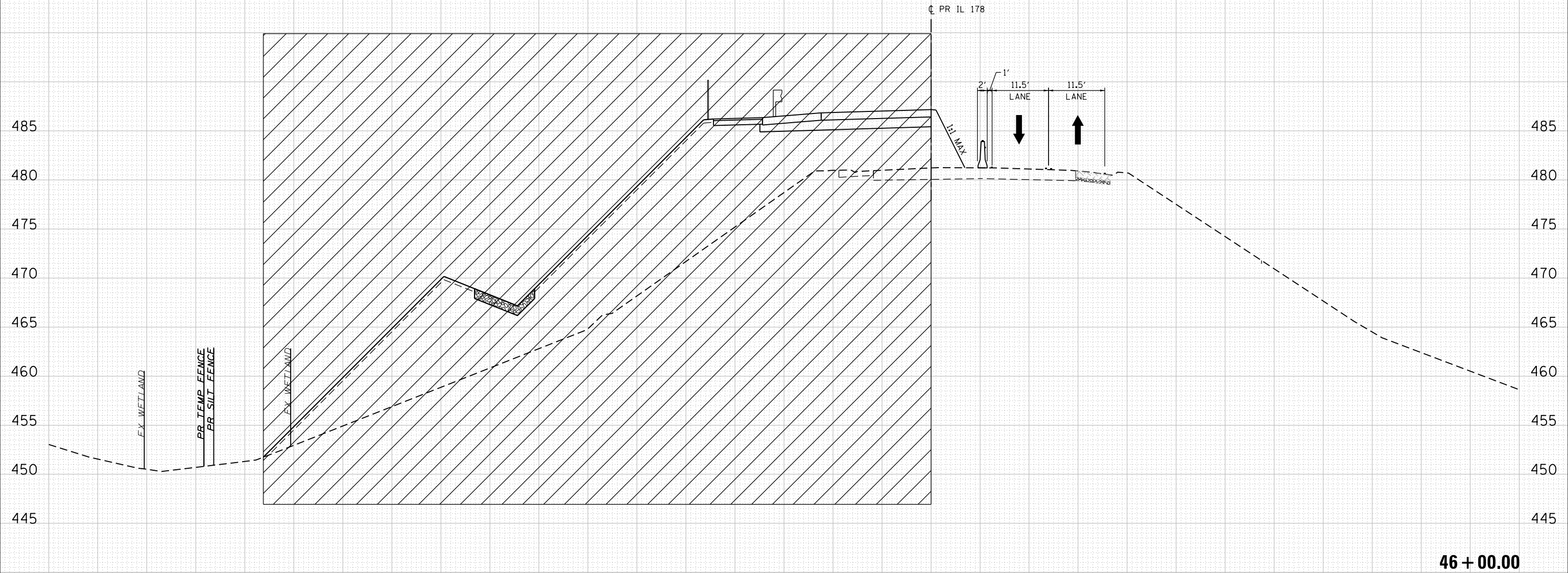
| | | | | |
|--------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 115 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



46 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|-------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISD - -- | ----- |
| | DRAWN - NSA | REVISD - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISD - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISD - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

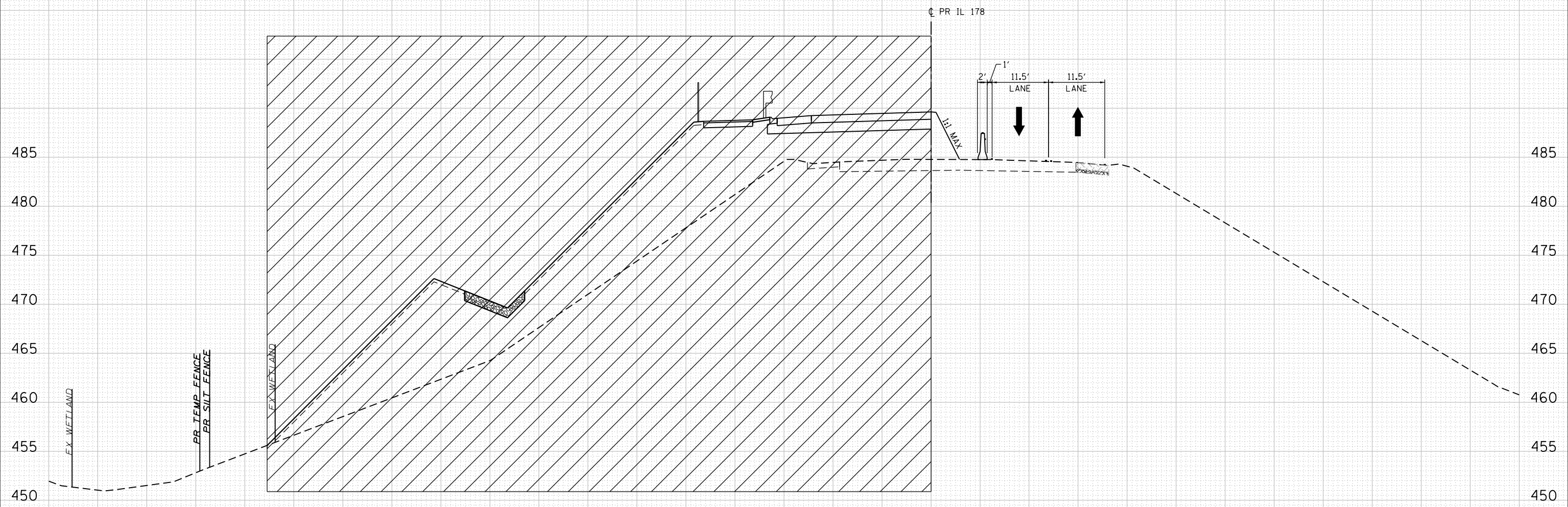
SCALE: 1"=10'H,5'V SHEET NO. 58 OF 112 SHEETS STA. 46+00.00 TO STA. 46+00.00

| | | | | |
|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 116 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



47 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|
| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5"V SHEET NO. 59 OF 112 SHEETS STA. 47+00.00 TO STA. 47+00.00

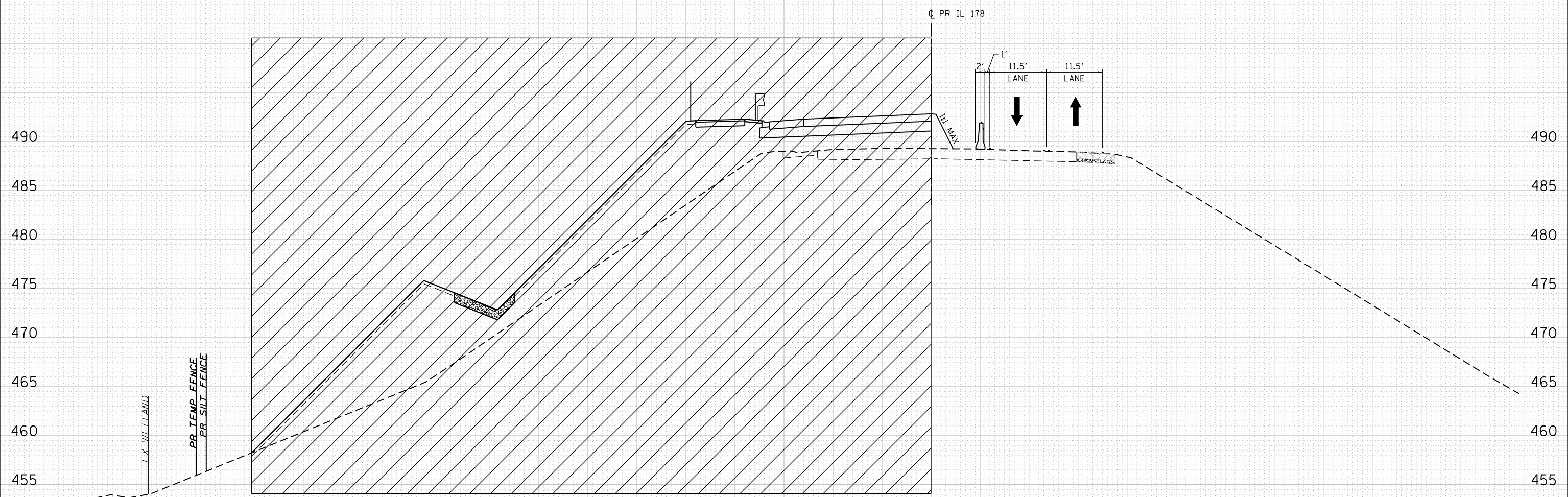
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 117 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



48 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5'V SHEET NO. 60 OF 112 SHEETS STA. 48+00.00 TO STA. 48+00.00

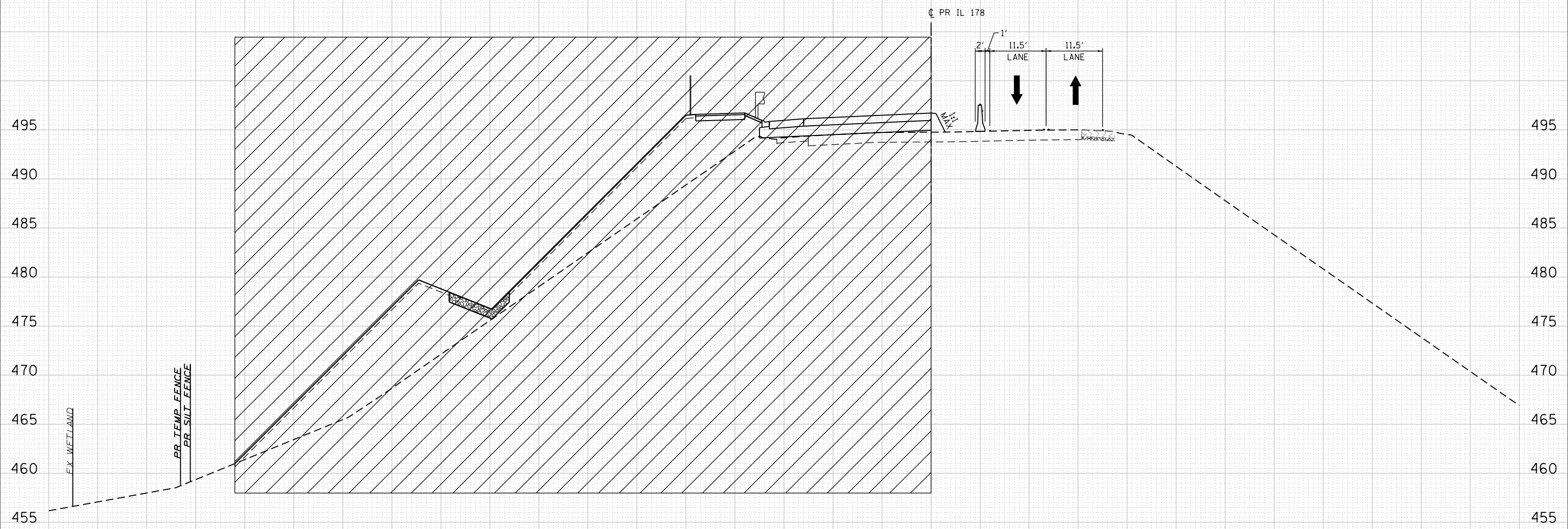
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 118 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



49 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

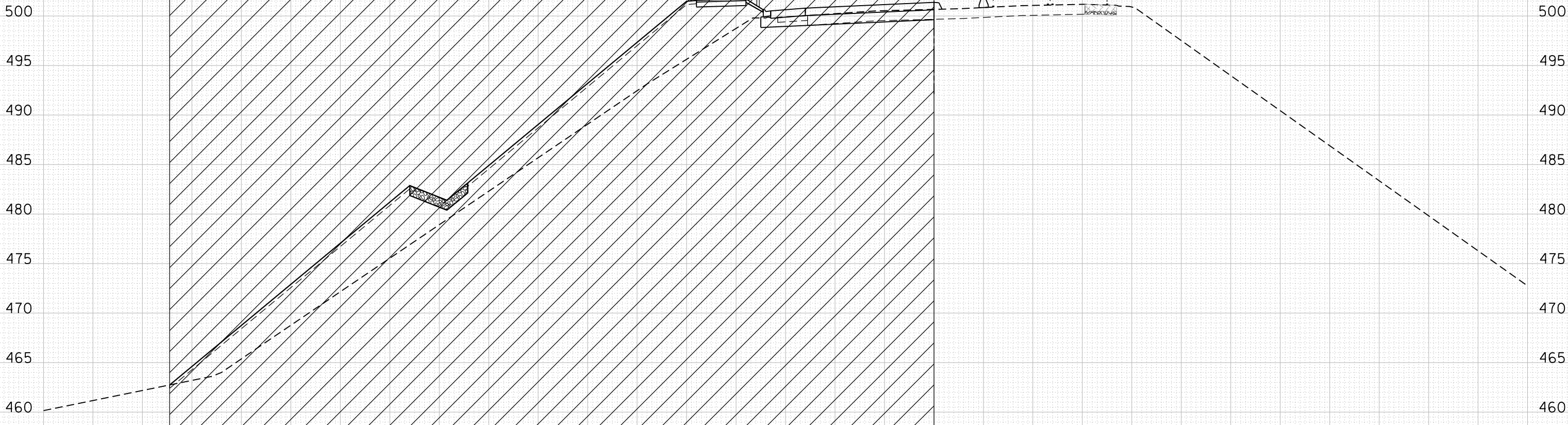
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

SCALE: 1"=10'H,5"V SHEET NO. 61 OF 112 SHEETS STA. 49+00.00 TO STA. 49+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 119 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



50 + 00.00

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

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

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|-------|
| USER NAME = #USERNAME# | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1**

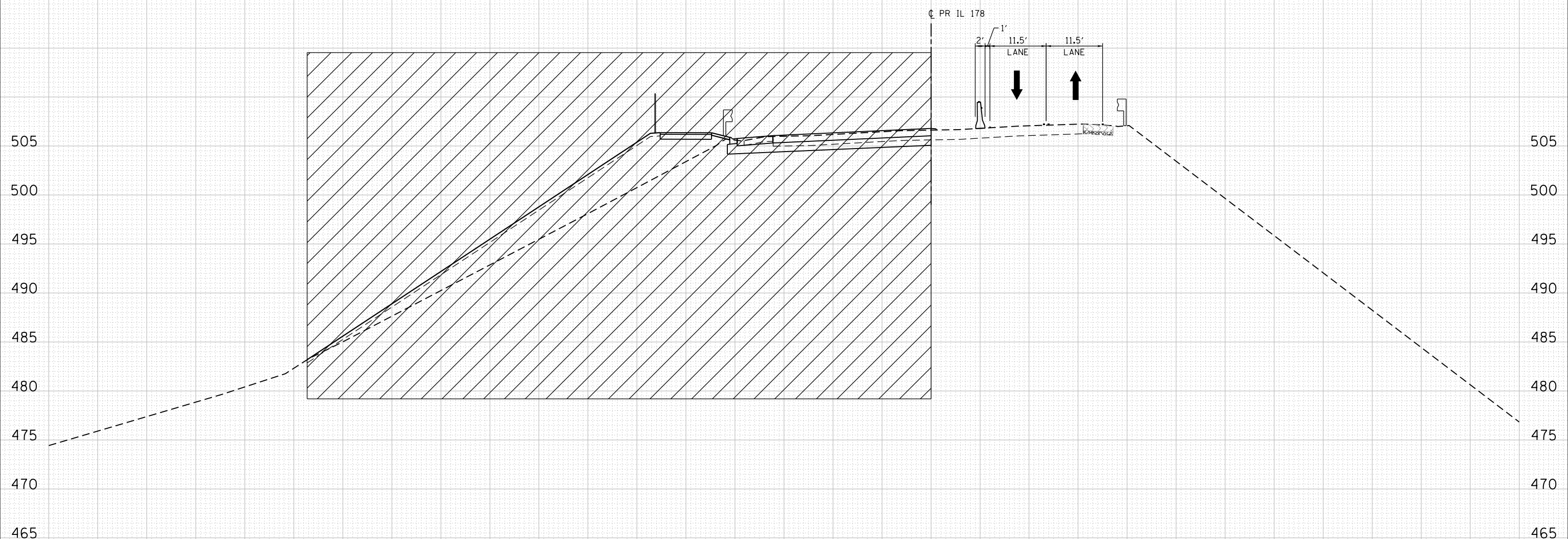
SCALE: 1"=10'H,5"V SHEET NO. 62 OF 112 SHEETS STA. 50+00.00 TO STA. 50+00.00

| | | | | |
|---------------------------|------------|---------|--------------|--------------------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 120 |
| | | | | CONTRACT NO. 66992 |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



51 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 1

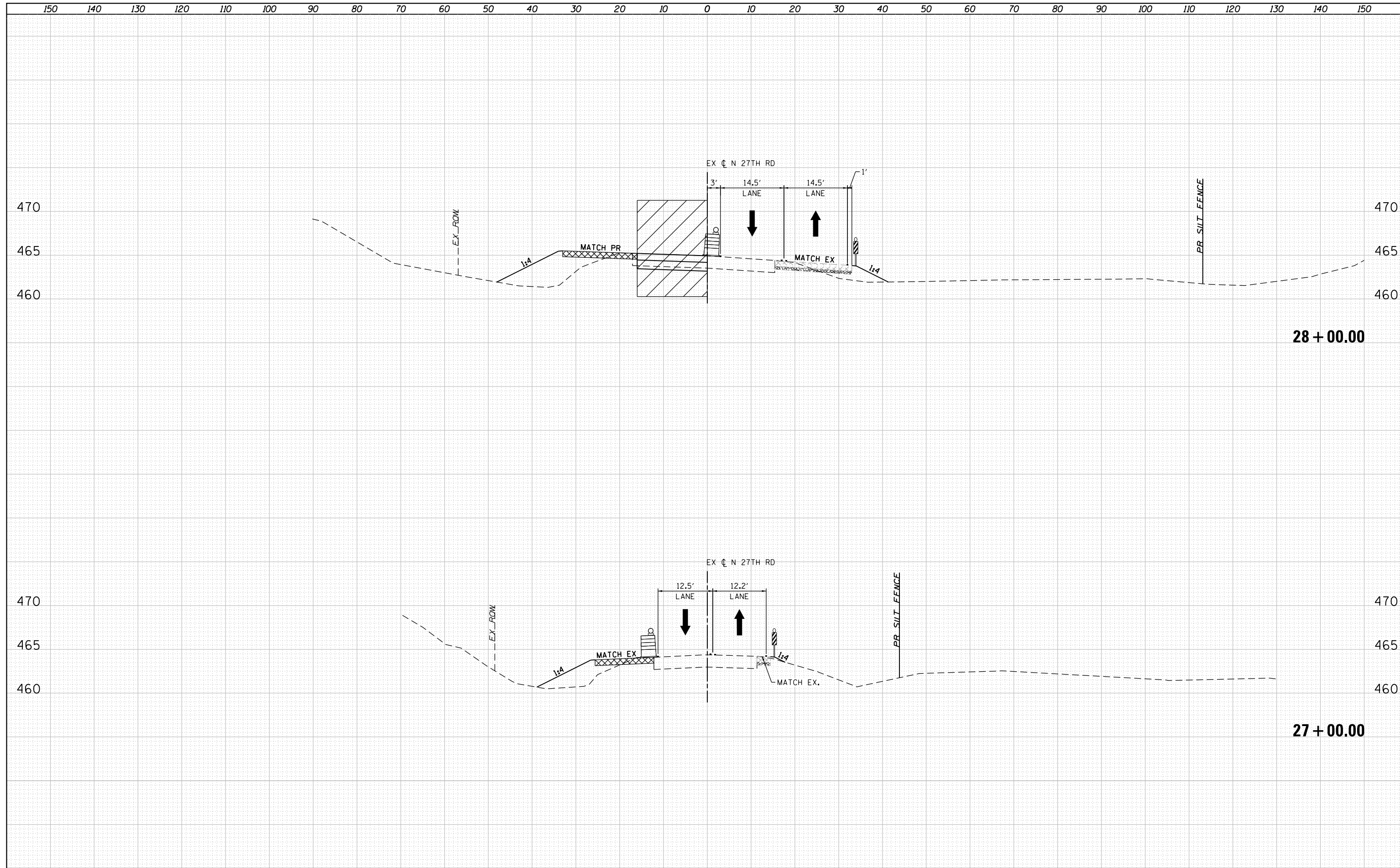
SCALE: 1"=10'H,5"V SHEET NO. 63 OF 112 SHEETS STA. 51+00.00 TO STA. 51+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 121 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

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| DATE | |
| BY | |
| SURVEYED | |
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| TEMPLATE | |
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| DATE | |
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| SURVEYED | |
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| AREAS | |
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| NO. | |



Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | | |
|-----------------------------|----------------|-------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISD - -- | ----- |
| | DRAWN - NSA | REVISD - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISD - -- | ----- |
| PLOT DATE = 9/8/2016 | DATE - 08/2016 | REVISD - -- | ----- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

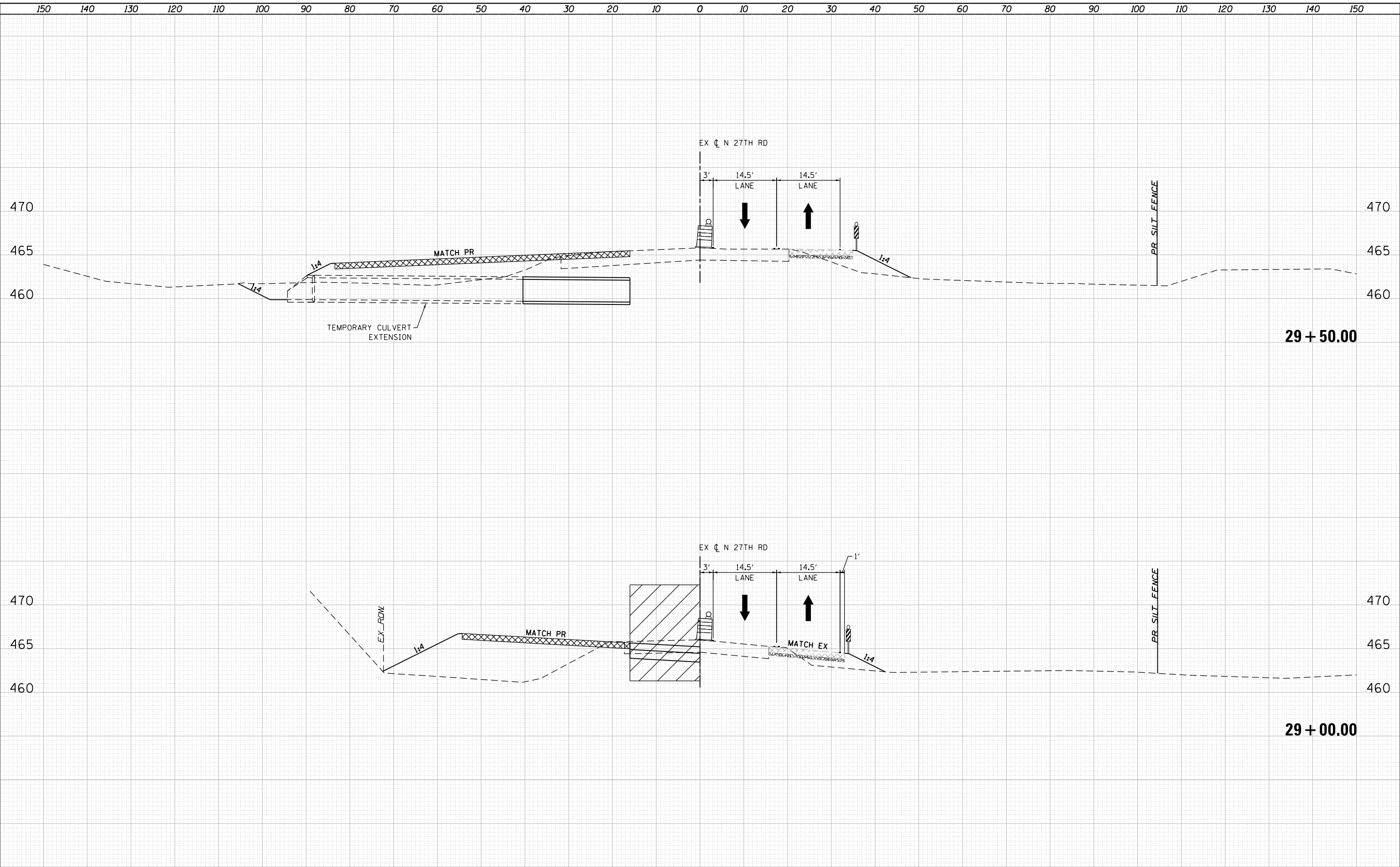
**N. 27TH RD.
MOT CROSS SECTIONS - STAGE 1**

SCALE: 1"=10'H,5'V SHEET NO. 64 OF 112 SHEETS STA. 27+00.00 TO STA. 28+00.00

| | | | | |
|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 122 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

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| SURVEYED | |
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| TEMPLATE | |
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| CHECKED | |
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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE = 9/8/2016 | DATE - 08/2016 | REVISED - -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

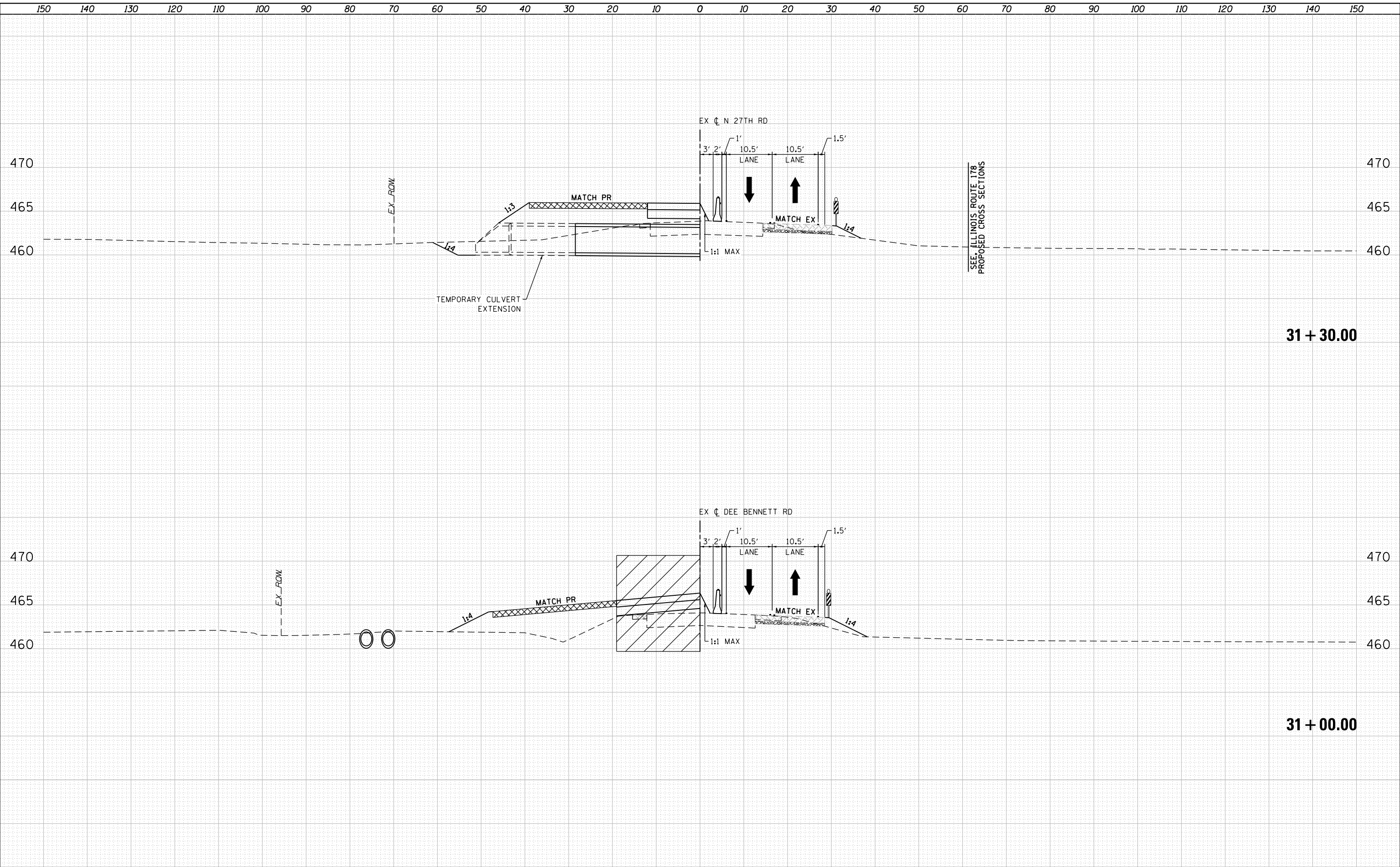
**N. 27TH RD.
MOT CROSS SECTIONS - STAGE 1**

SCALE: 1"=10'H,5'V SHEET NO. 65 OF 112 SHEETS STA. 29+00.00 TO STA. 29+50.00

| | | | | |
|--------------------|------------|---------|---------------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 123 |
| CONTRACT NO. 66992 | | | ILLINOIS FED. AID PROJECT | |

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| DATE | |
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| SURVEYED | |
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| AREAS | |
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| FINAL SURVEY | |
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| SURVEYED | |
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| ORIGINAL SURVEY | |
| NOTE BOOK | |
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31 + 30.00

31 + 00.00



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| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE = 9/8/2016 | DATE - 08/2016 | REVISED - -- |

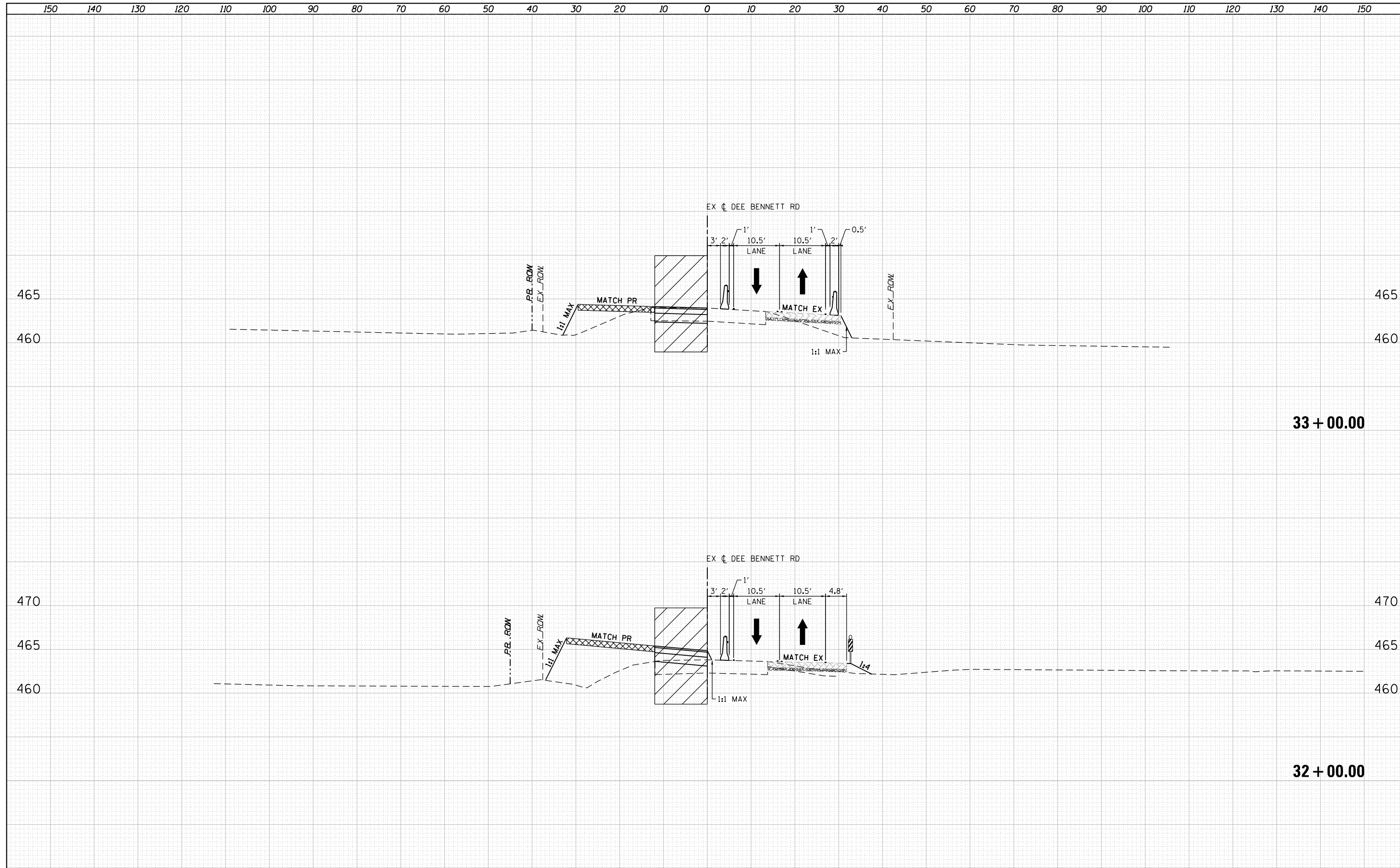
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEE BENNETT RD. (CH-34)
MOT CROSS SECTIONS - STAGE 1
SCALE: 1"=10'H,5"V SHEET NO. 66 OF 112 SHEETS STA. 31+00.00 TO STA. 31+30.00

| | | | | |
|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 124 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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



Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | |
|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE = 9/8/2016 | DATE - 08/2016 | REVISED - -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

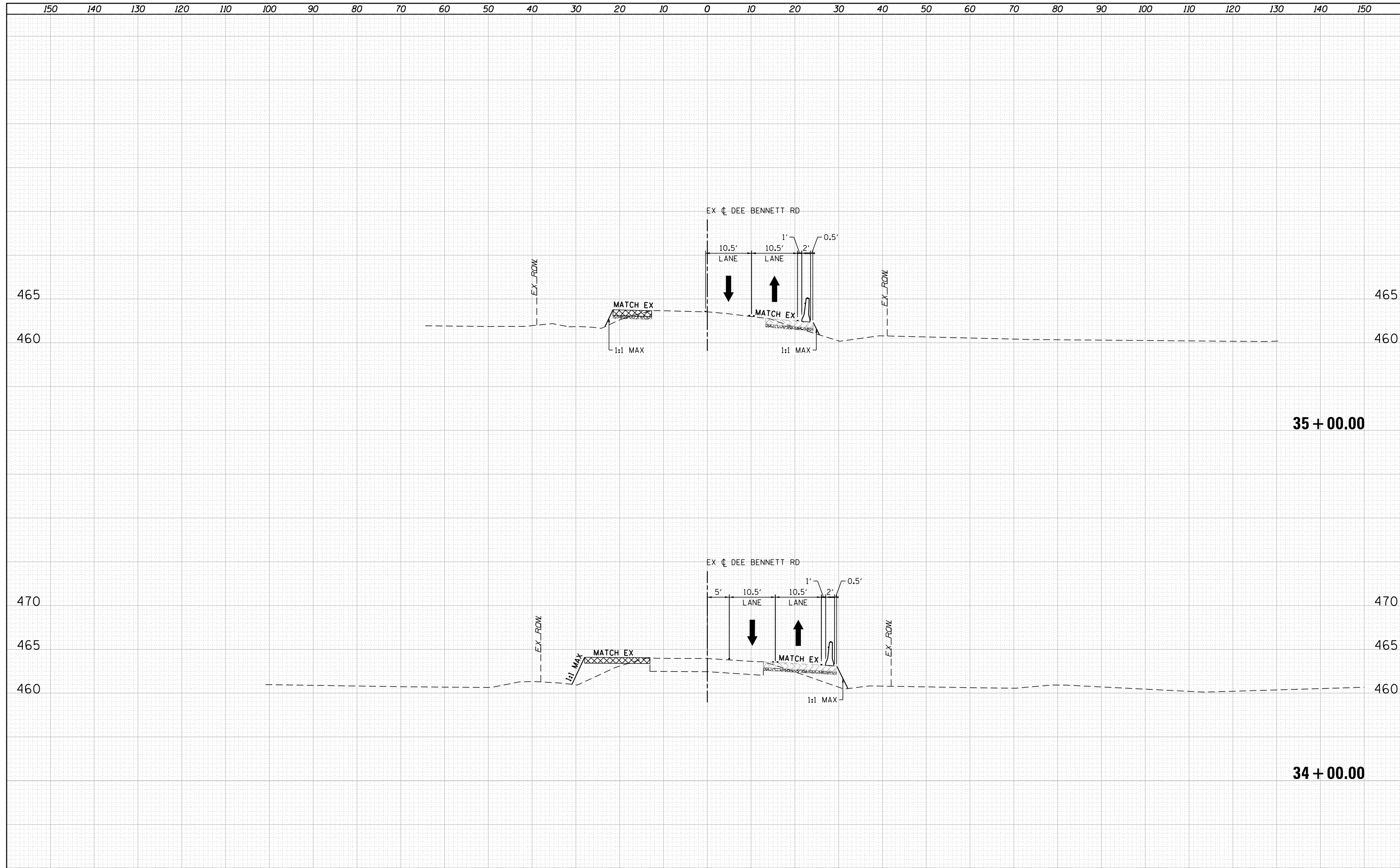
**DEE BENNETT RD. (CH-34)
MOT CROSS SECTIONS - STAGE 1**

SCALE: 1"=10'H,5'V SHEET NO. 67 OF 112 SHEETS STA. 32+00.00 TO STA. 33+00.00

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|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 125 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

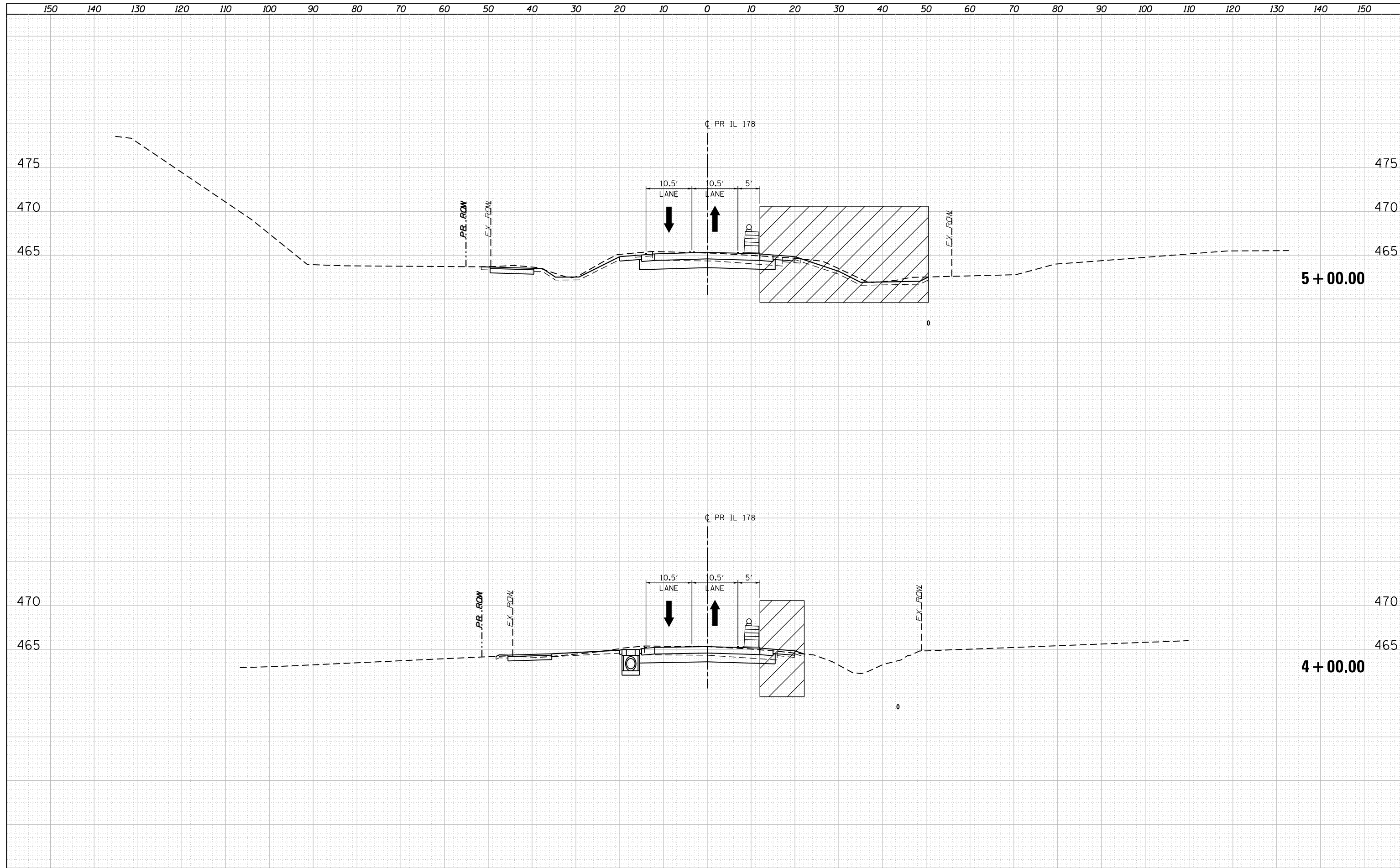
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| SURVEYED | |
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| AREAS | |
| CHECKED | |
| ORIGINAL SURVEY NOTE BOOK NO. | |



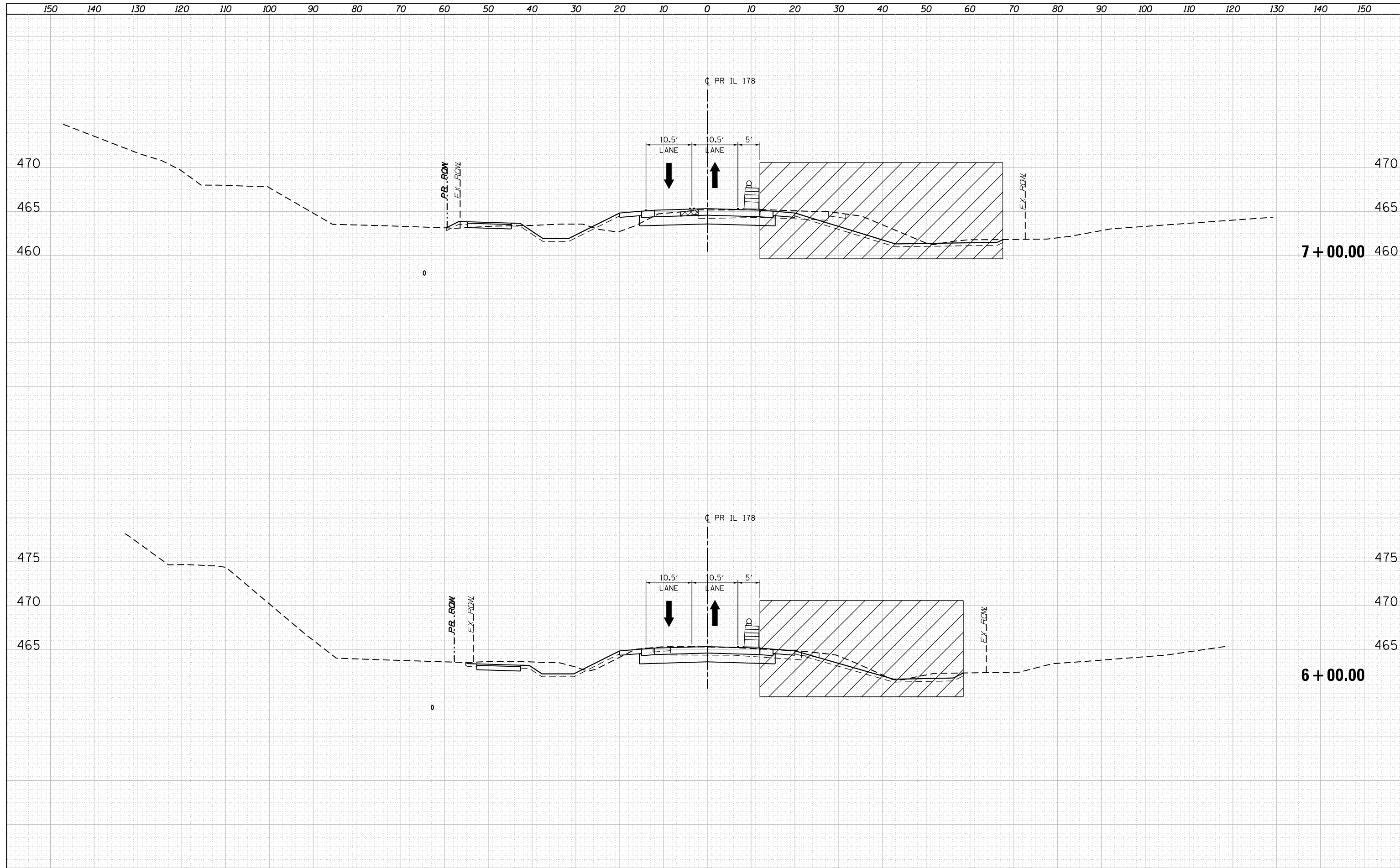
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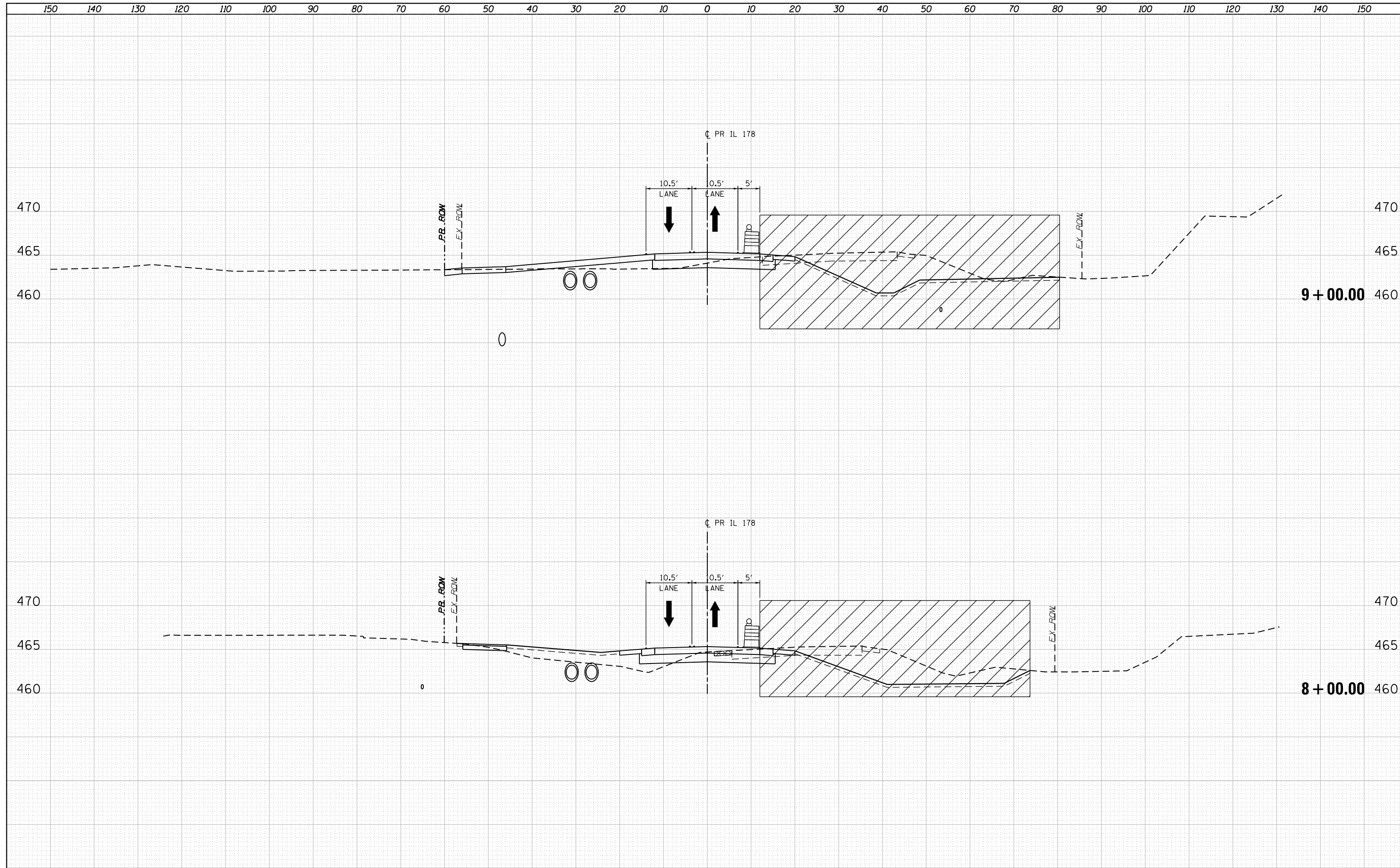
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| FINAL SURVEY | SURVEYED |
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| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |



Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

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|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISÉD - -- |
| | DRAWN - NSA | REVISÉD - -- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISÉD - -- |
| PLOT DATE = 9/8/2016 | DATE - 08/2016 | REVISÉD - -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

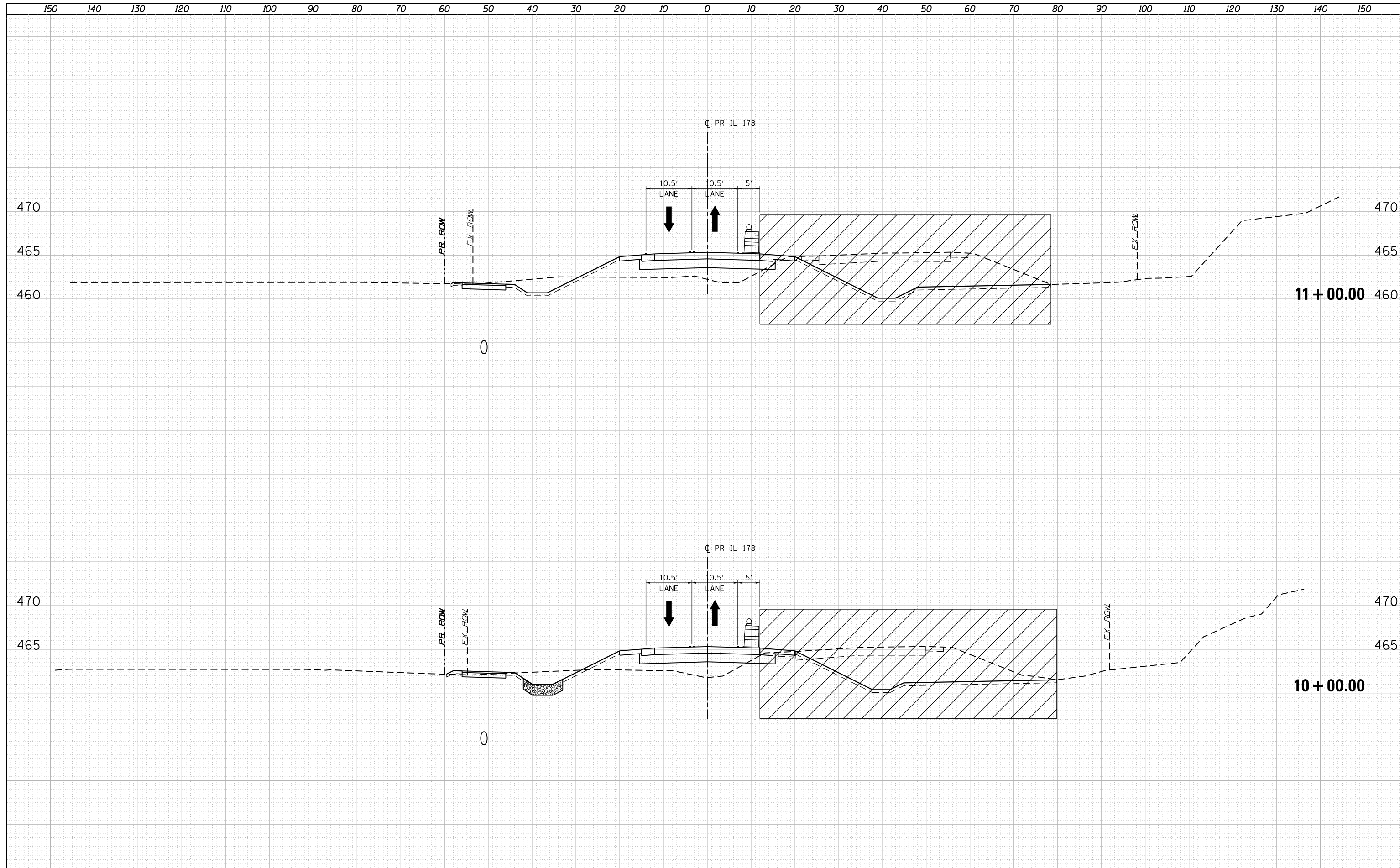
**ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2**

SCALE: 1"=10'H,5'V SHEET NO. 71 OF 112 SHEETS STA. 8+00.00 TO STA. 9+00.00

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|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 129 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

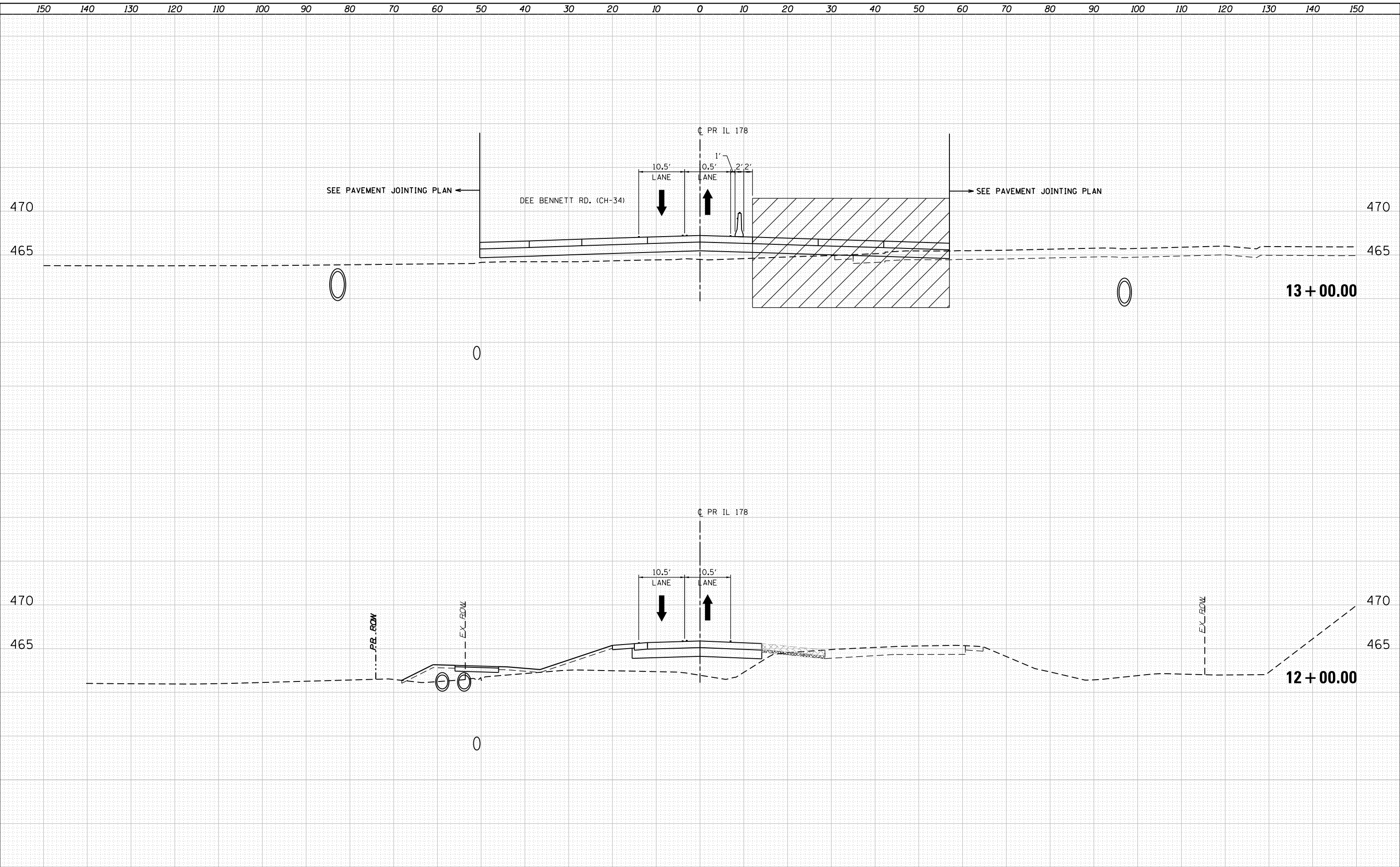
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| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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| FINAL SURVEY | |
| NOTE BOOK | |
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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 9/8/2016 | DATE - 08/2016 | REVISED - -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

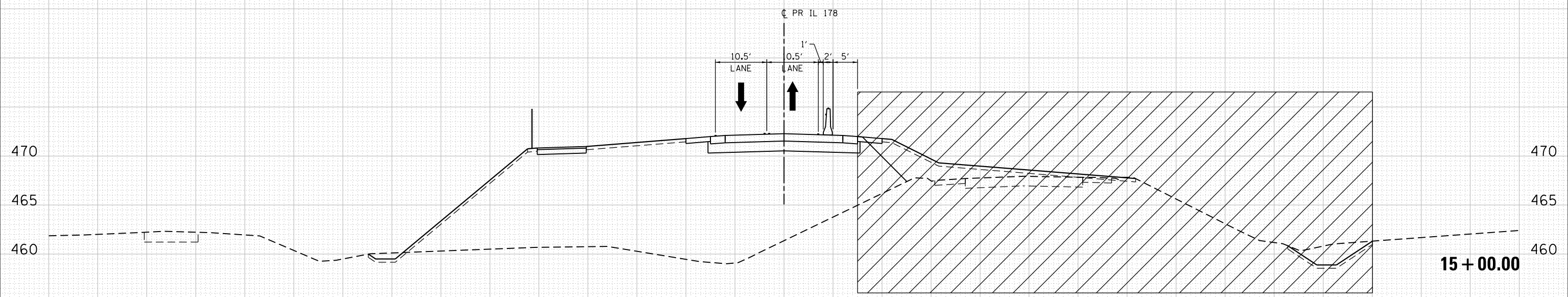
**ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2**

SCALE: 1"=10'H,5'V SHEET NO. 73 OF 112 SHEETS STA. 12+00.00 TO STA.13+00.00

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|--------------------|------------|---------|---------------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 131 |
| CONTRACT NO. 66992 | | | ILLINOIS FED. AID PROJECT | |

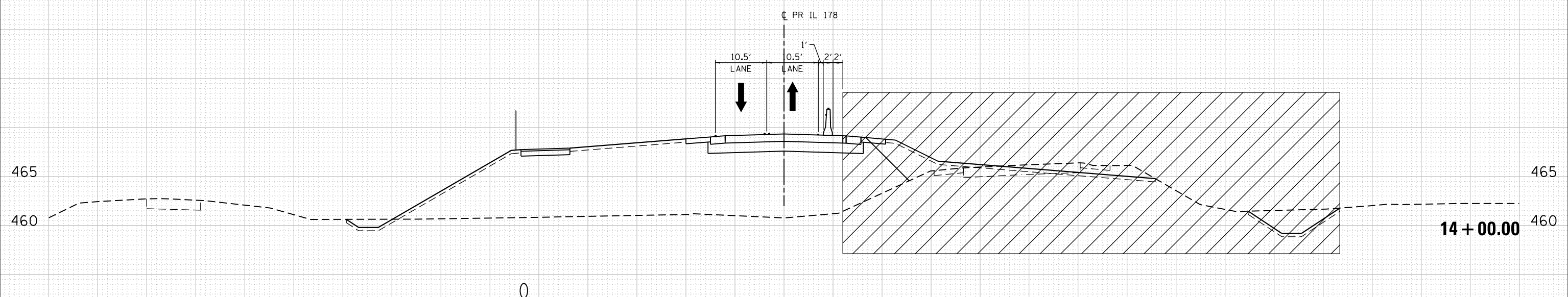
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

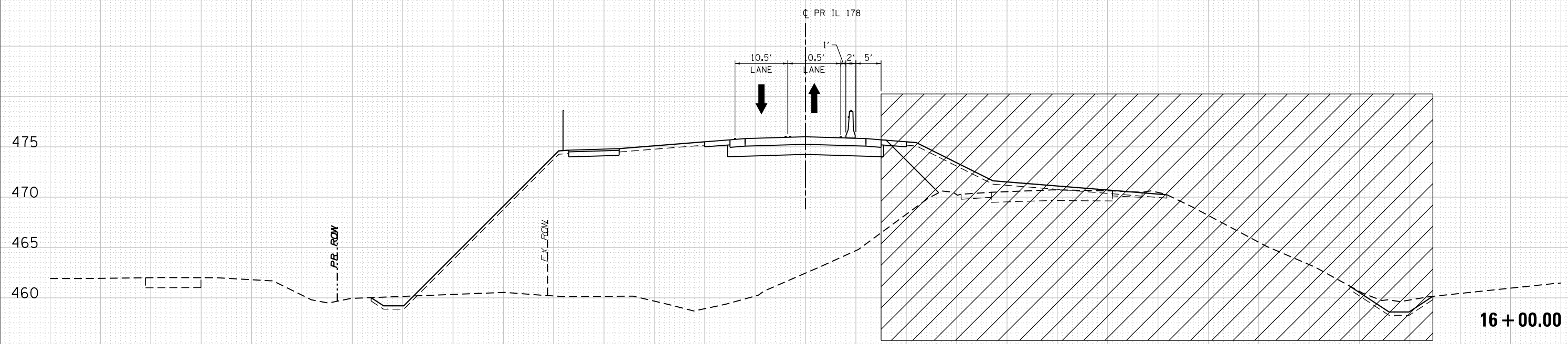
SCALE: 1"=10'H,5'V SHEET NO. 74 OF 112 SHEETS STA. 14+00.00 TO STA. 15+00.00

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|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 132 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| NOTE BOOK | |
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| SURVEYED | |
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| ORIGINAL SURVEY | |
| NOTE BOOK | |
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISIED - -- | ----- |
| | DRAWN - NSA | REVISIED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISIED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISIED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

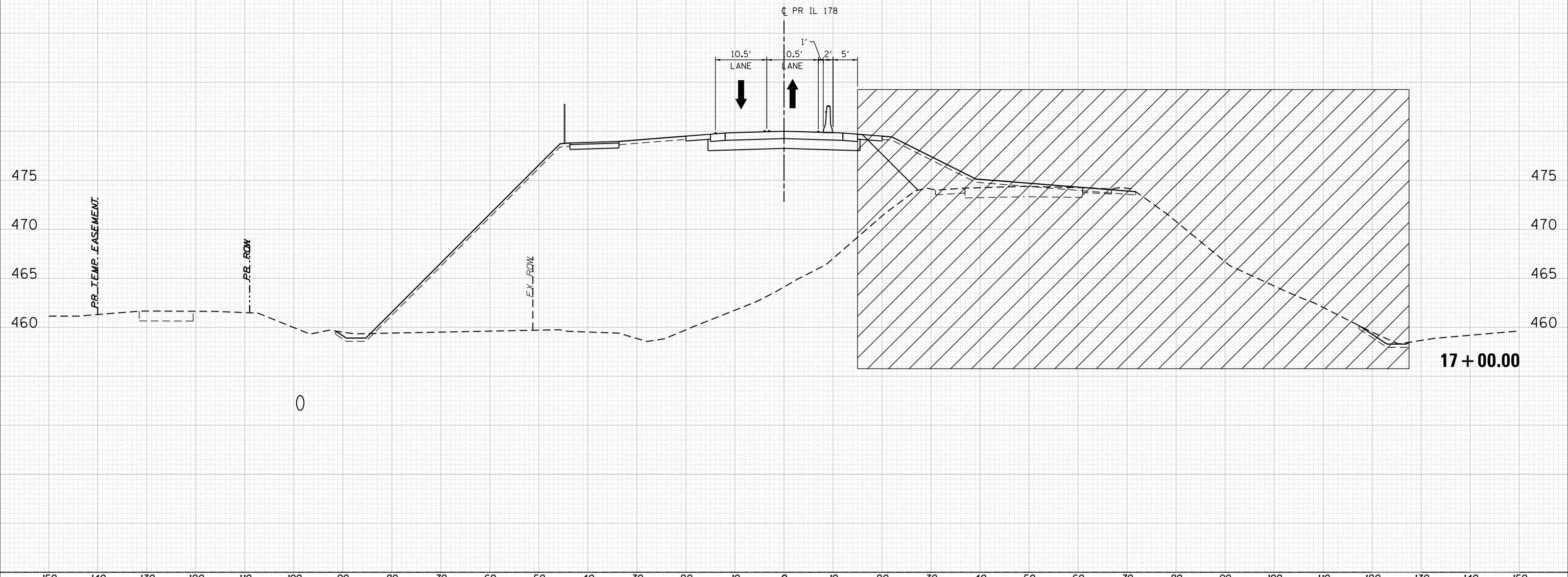
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2
SCALE: 1"=10'H,5'V SHEET NO. 75 OF 112 SHEETS STA. 16+00.00 TO STA.16+00.00

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|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 133 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| ORIGINAL SURVEY | |
| NOTE BOOK | |
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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISÉD - -- |
| | DRAWN - NSA | REVISÉD - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISÉD - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISÉD - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

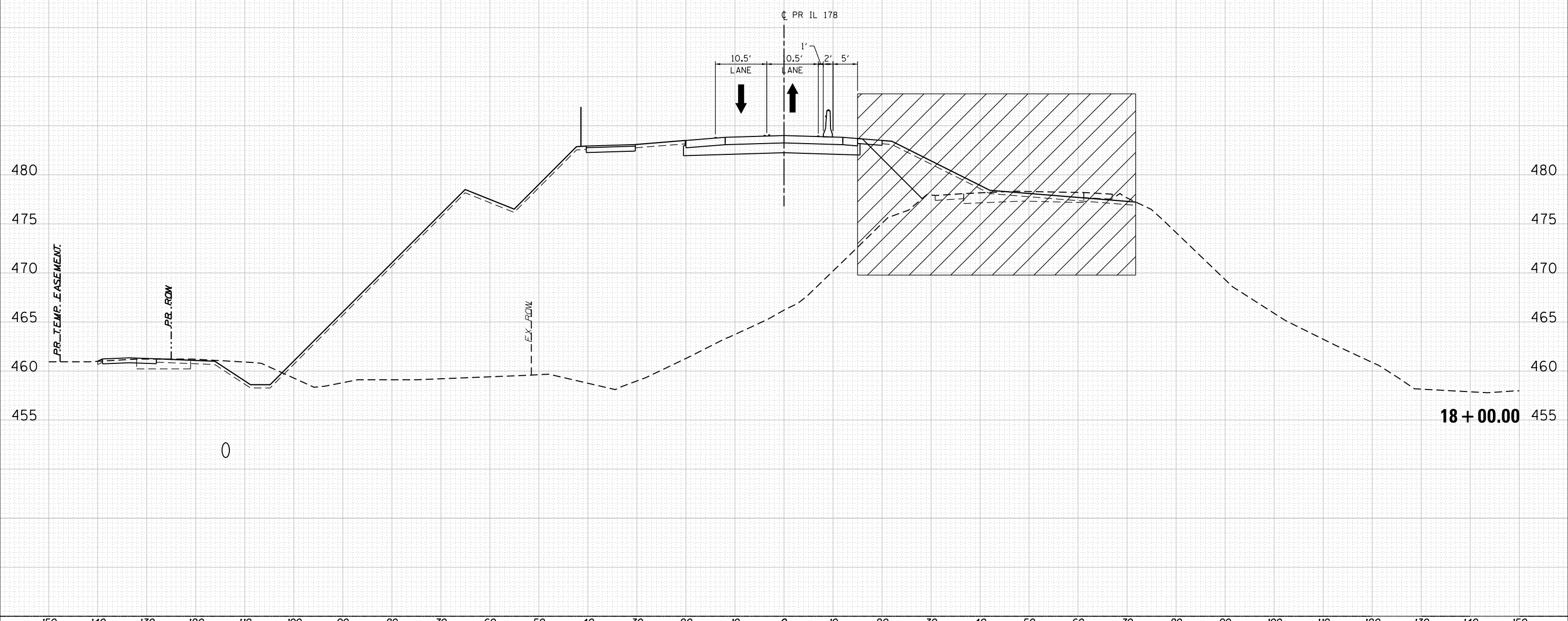
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| ILLINOIS ROUTE 178 | |
| MOT CROSS SECTIONS - STAGE 2 | |
| SCALE: 1"=10'H,5'V | SHEET NO. 76 OF 112 SHEETS |
| STA. 17+00.00 TO STA. 17+00.00 | |

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|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 134 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| FINAL SURVEY NOTE BOOK NO. | |

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| DATE | |
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| ORIGINAL SURVEY | |
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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

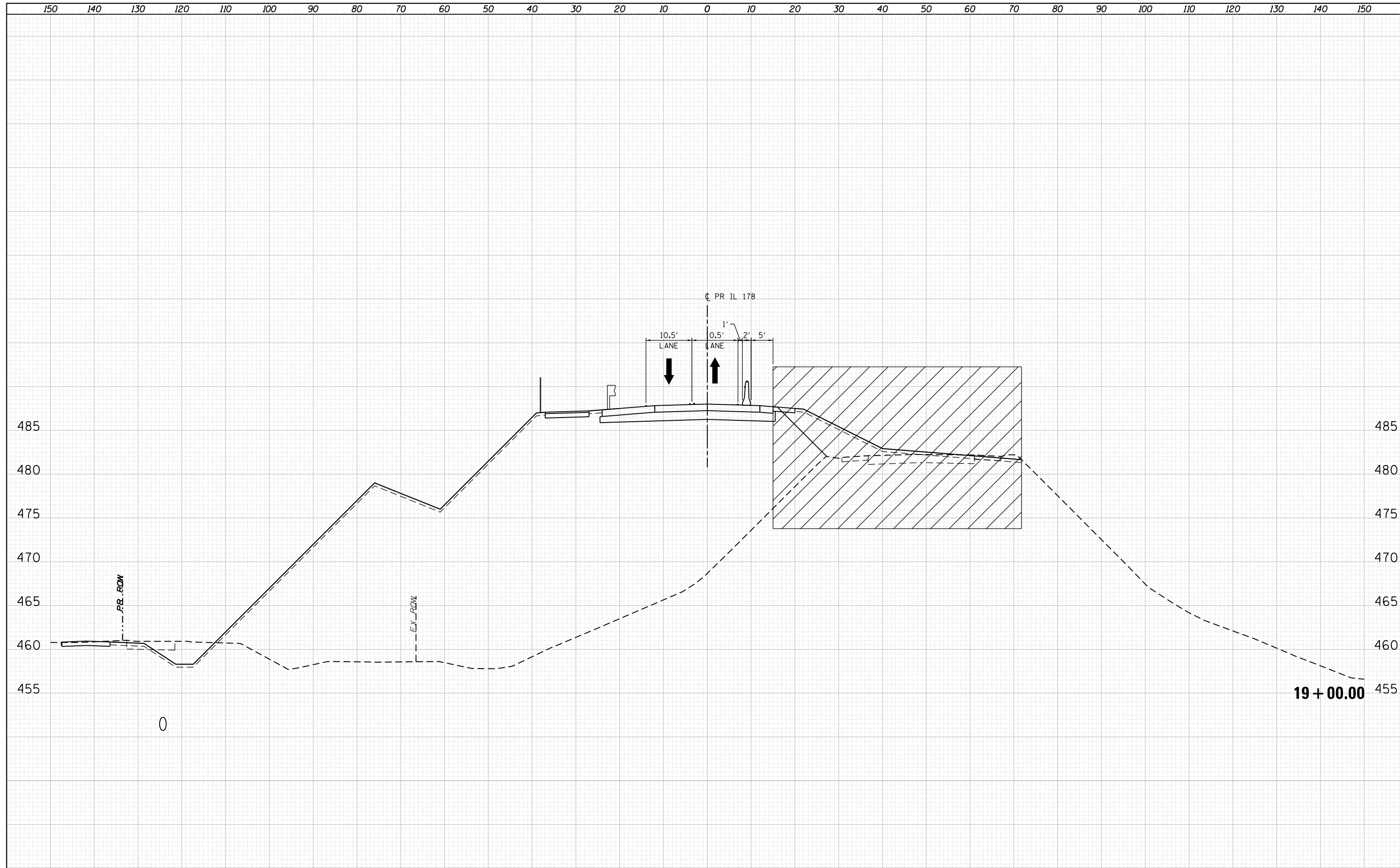
SCALE: 1"=10'H,5'V SHEET NO. 77 OF 112 SHEETS STA. 18+00.00 TO STA.18+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 135 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

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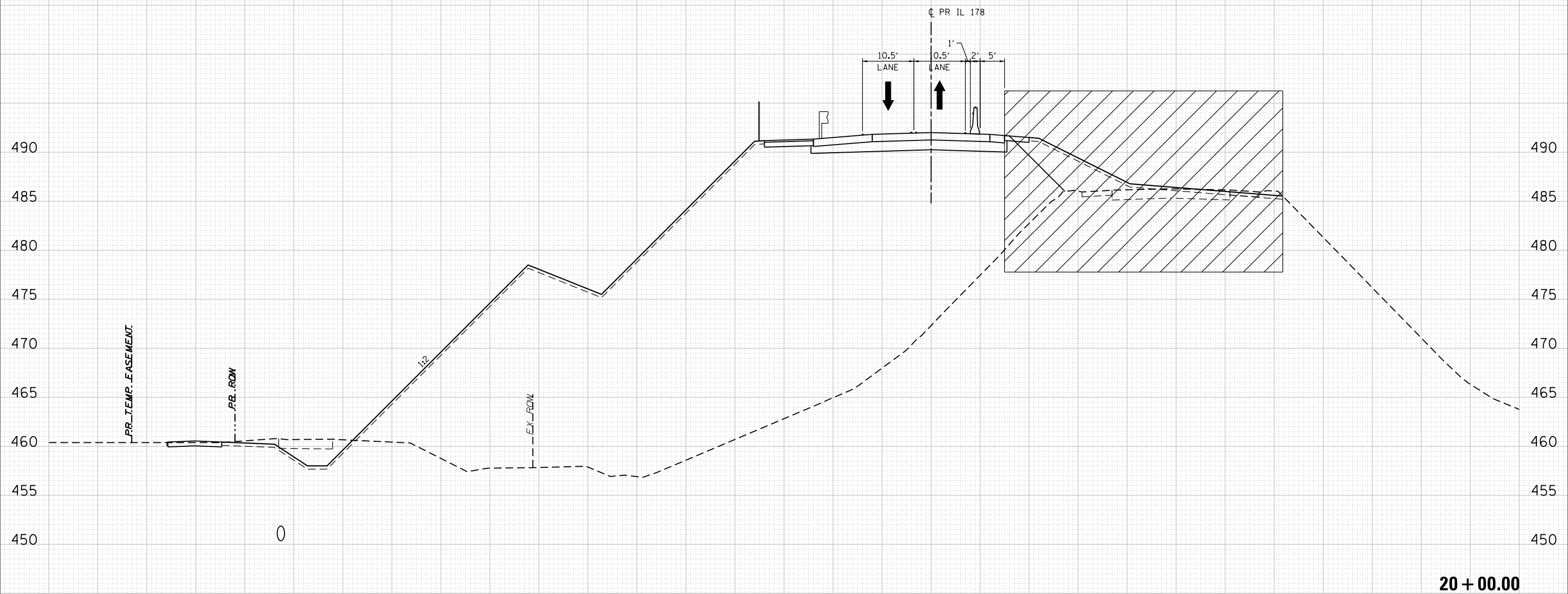
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| NOTE BOOK | |
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180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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| ILLINOIS ROUTE 178 | |
| MOT CROSS SECTIONS - STAGE 2 | |
| SCALE: 1"=10'H,5"V | SHEET NO. 79 OF 112 SHEETS |
| STA. 20+00.00 TO STA. 20+00.00 | |

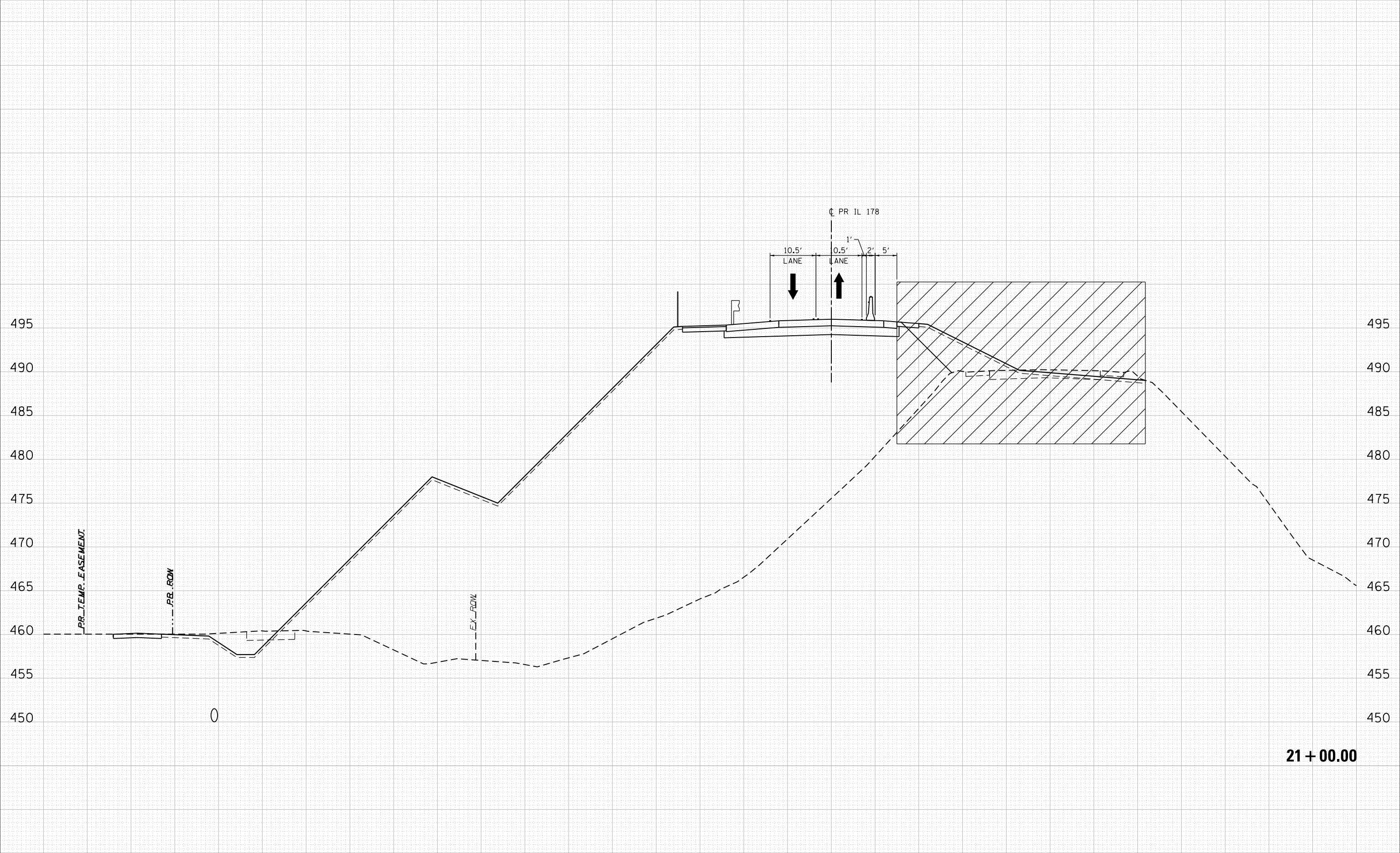
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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 137 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

20 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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| ORIGINAL SURVEY NOTE BOOK NO. | |



21 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

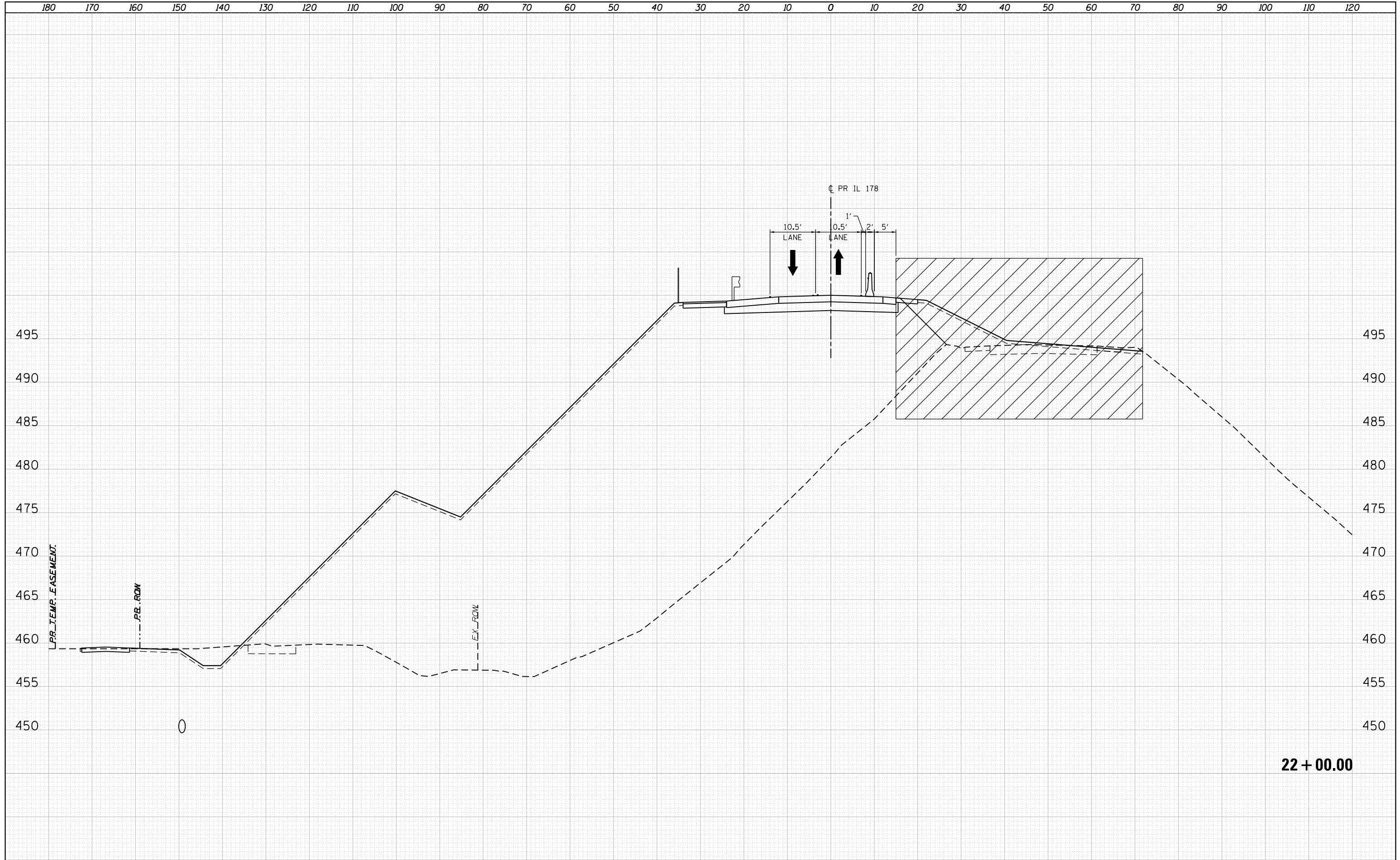
SCALE: 1"=10'H,5'V SHEET NO. 80 OF 112 SHEETS STA. 21+00.00 TO STA. 21+00.00

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| F.A.S. RTE. 1279 | SECTION (1) BR & I | COUNTY LASALLE | TOTAL SHEETS 430 | SHEET NO. 138 |
| | | | | CONTRACT NO. 66992 |

ILLINOIS FED. AID PROJECT

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| ORIGINAL SURVEY NOTE BOOK NO. | |



Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

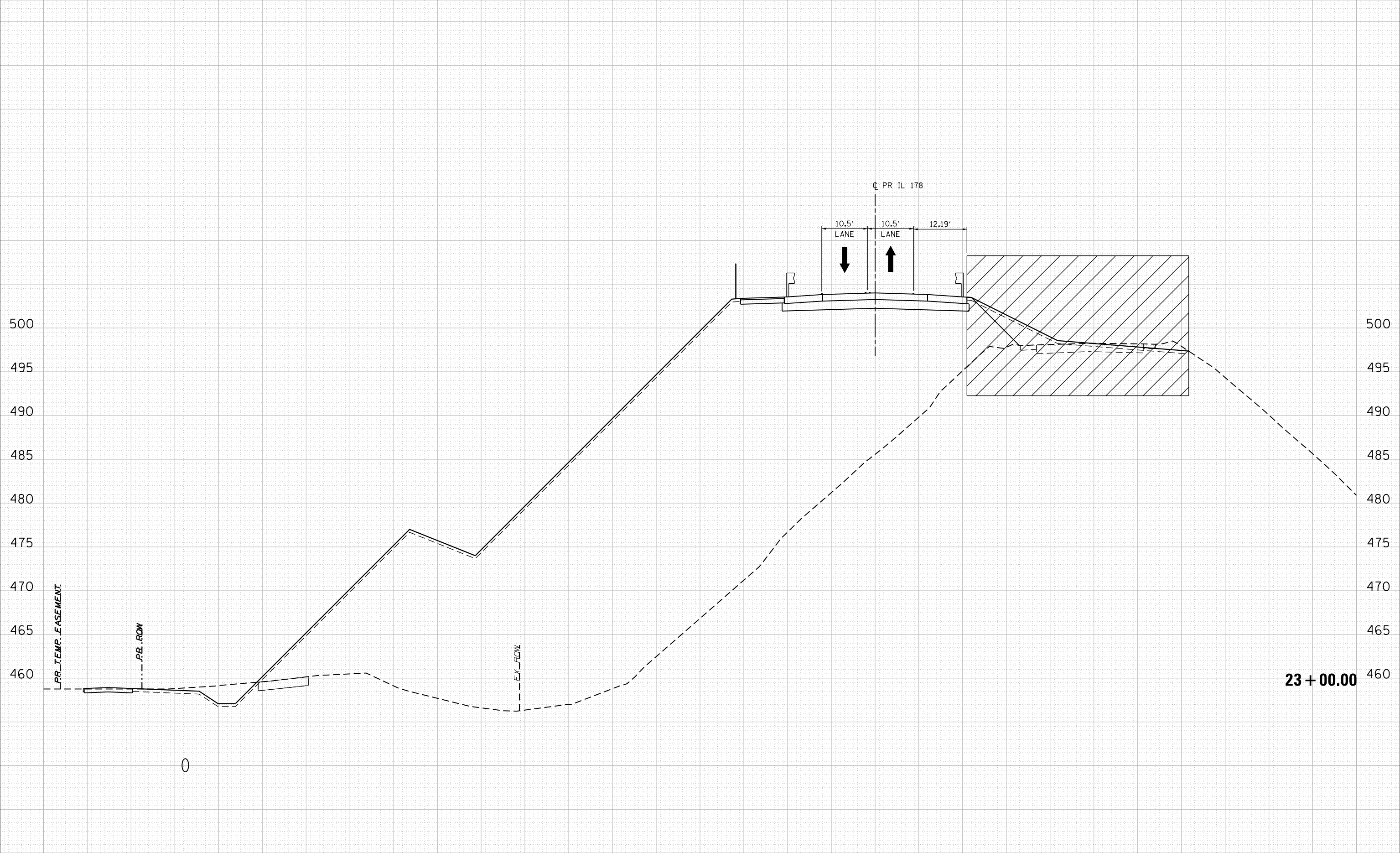
SCALE: 1"=10'H,5'V SHEET NO. 81 OF 112 SHEETS STA. 22+00.00 TO STA. 22+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 139 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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23 + 00.00

190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

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| USER NAME = *USERNAME* | DESIGNED - NSA | REVISD - -- | ----- |
| | DRAWN - NSA | REVISD - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISD - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISD - -- | ----- |

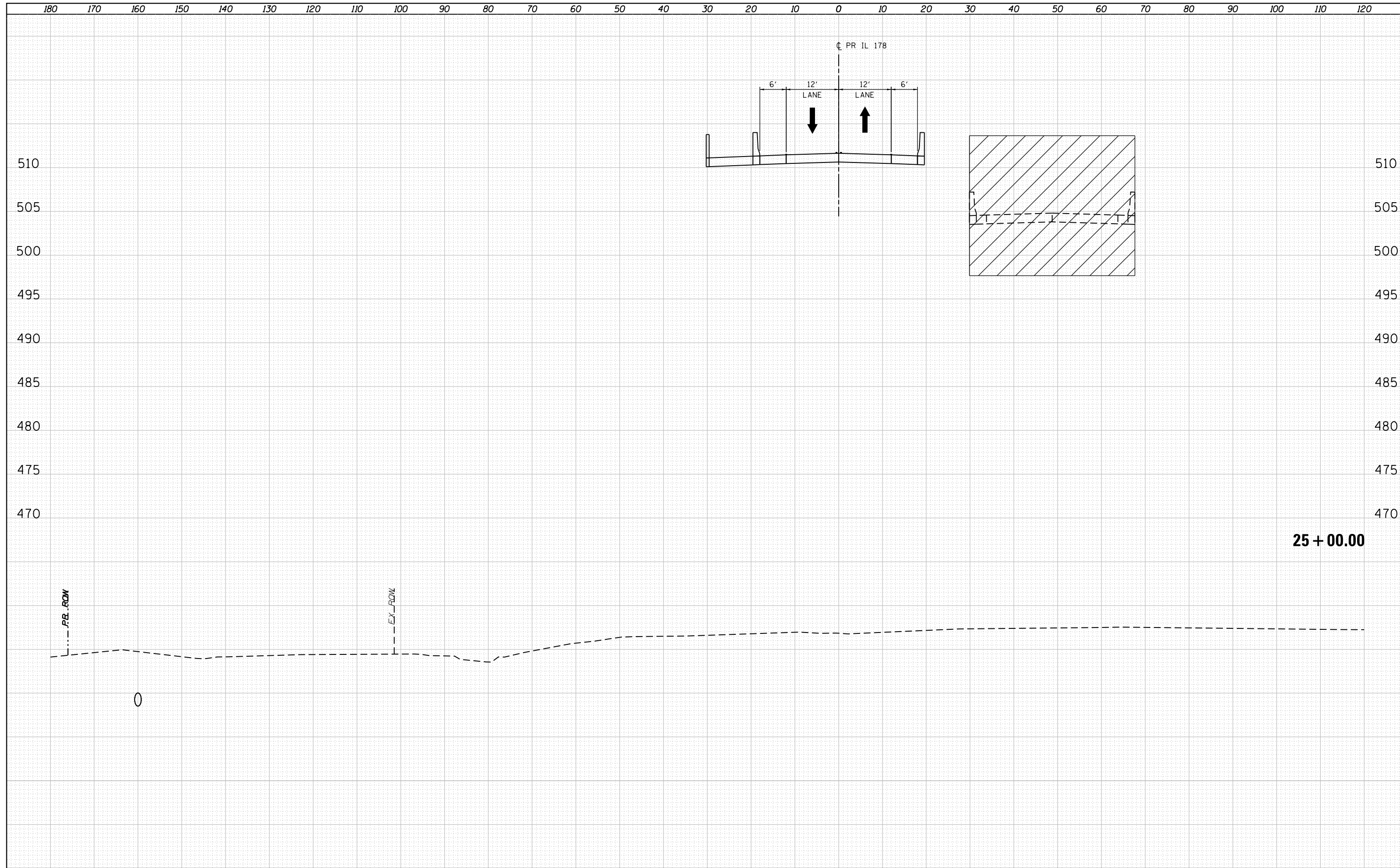
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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| ILLINOIS ROUTE 178 | |
| MOT CROSS SECTIONS - STAGE 2 | |
| SCALE: 1"=10'H,5"V | SHEET NO. 82 OF 112 SHEETS |
| STA. 23+00.00 TO STA. 23+00.00 | |

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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 140 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| ORIGINAL SURVEY | |
| NOTE BOOK | |
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Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISIED - -- | ----- |
| | DRAWN - NSA | REVISIED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISIED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISIED - -- | ----- |

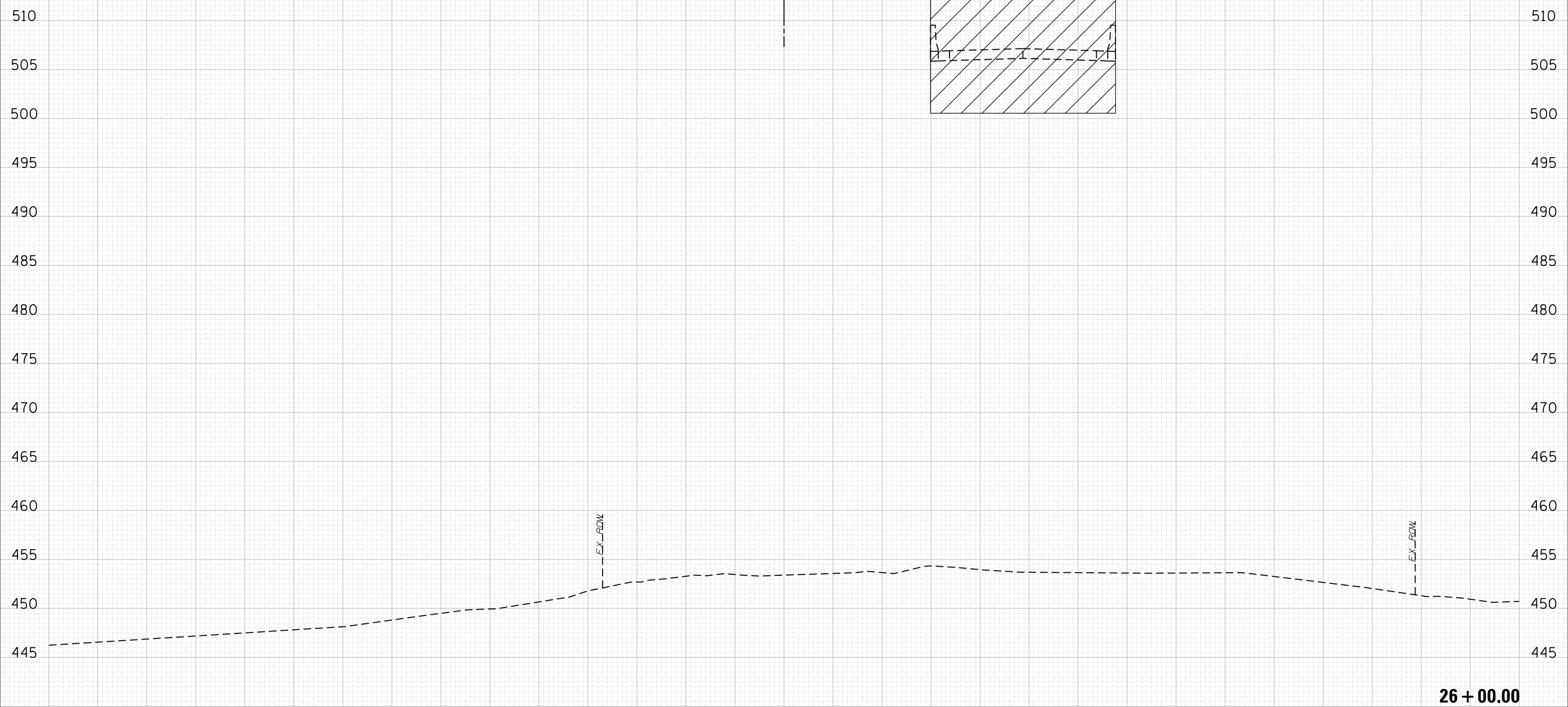
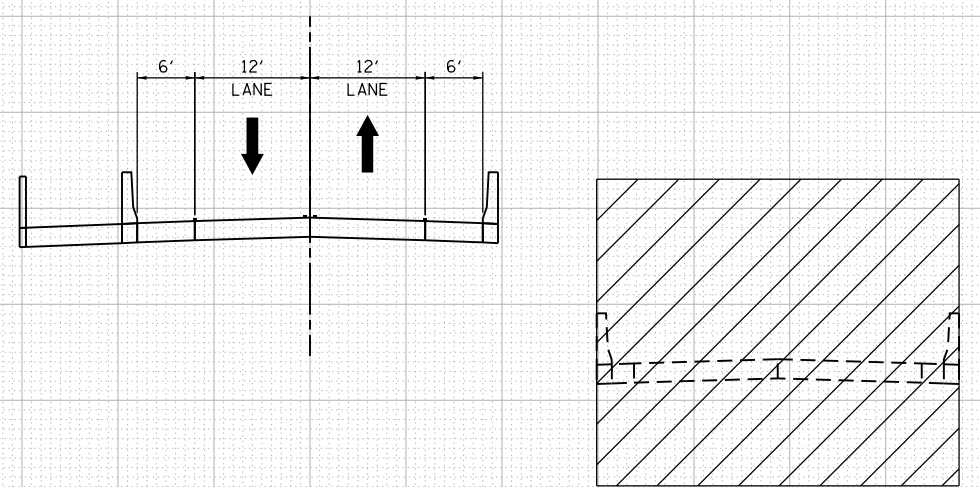
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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| ILLINOIS ROUTE 178 MOT CROSS SECTIONS - STAGE 2 | |
| SCALE: 1"=10'H,5'V | SHEET NO. 84 OF 112 SHEETS |
| STA. 25+00.00 TO STA. 25+00.00 | |

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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 142 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

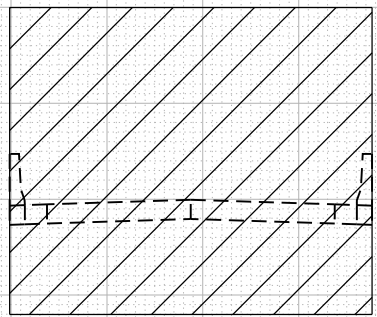
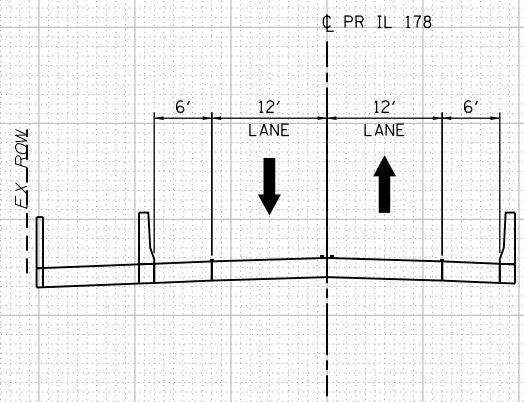
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| ORIGINAL SURVEY NOTE BOOK NO. | |



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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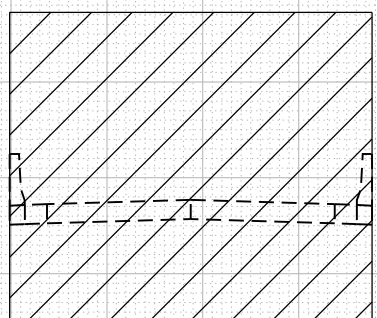
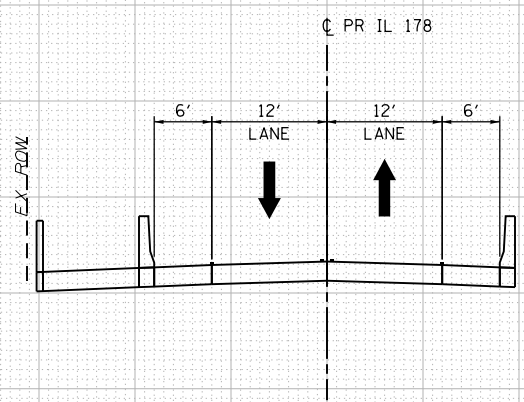
EX ROW

510
505

510
505

28 + 00.00

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| SURVEYED | |
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| TEMPLATE | |
| AREAS | |
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EX ROW

510
505

510
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27 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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|-----------------------------|----------------|--------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

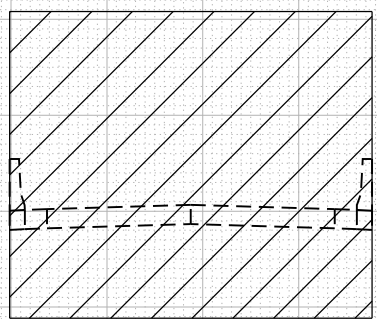
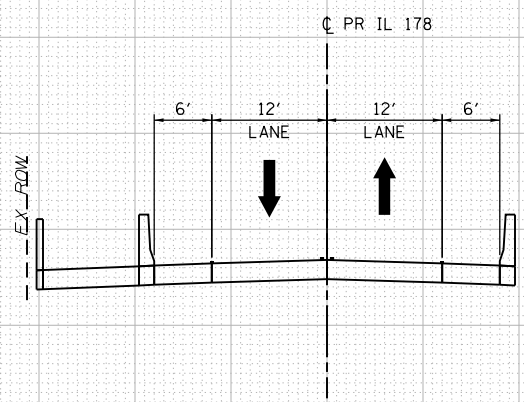
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2
SCALE: 1"=10'H,5'V SHEET NO. 86 OF 112 SHEETS STA. 27+00.00 TO STA.28+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 144 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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| SURVEYED | |
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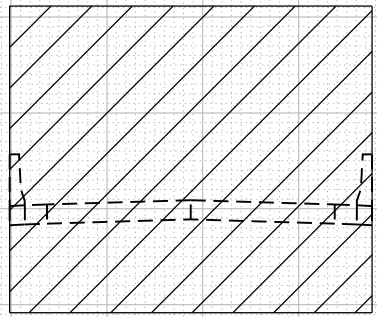
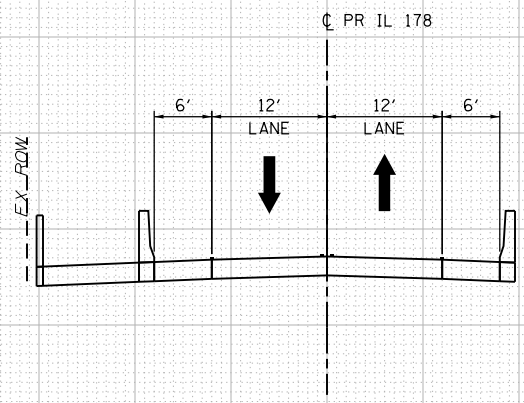
EX ROW

510
505

510
505

30 + 00.00

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| SURVEYED | |
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EX ROW

510
505

510
505

29 + 00.00

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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

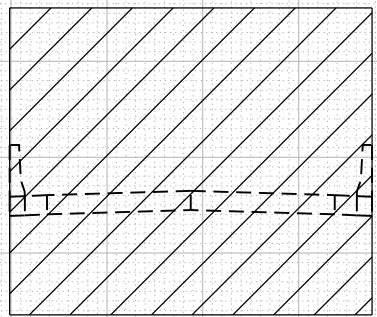
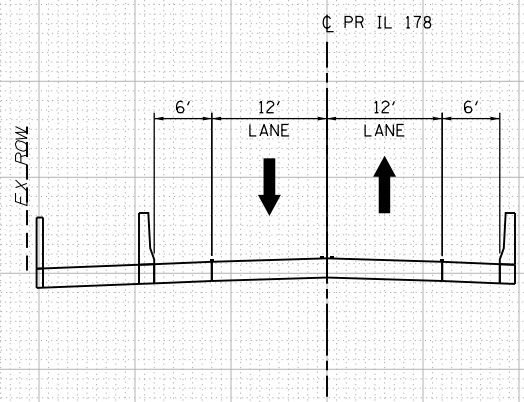
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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|--------------------------------|----------------------------|
| ILLINOIS ROUTE 178 | |
| MOT CROSS SECTIONS - STAGE 2 | |
| SCALE: 1"=10'H,5'V | SHEET NO. 87 OF 112 SHEETS |
| STA. 29+00.00 TO STA. 30+00.00 | |

| | | | | |
|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 145 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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



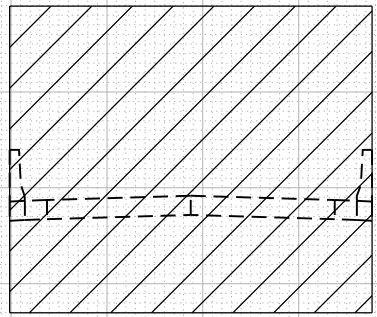
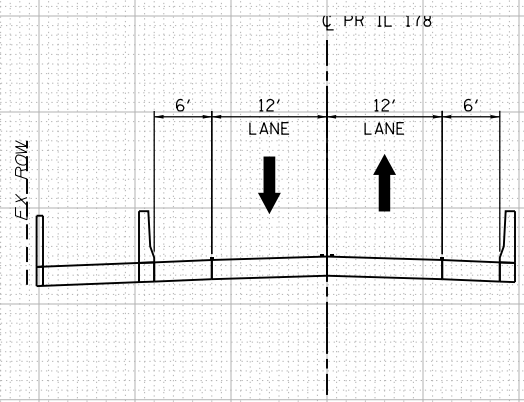
EX ROW

510
505

510
505

32 + 00.00

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



EX ROW

510
505

510
505

31 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

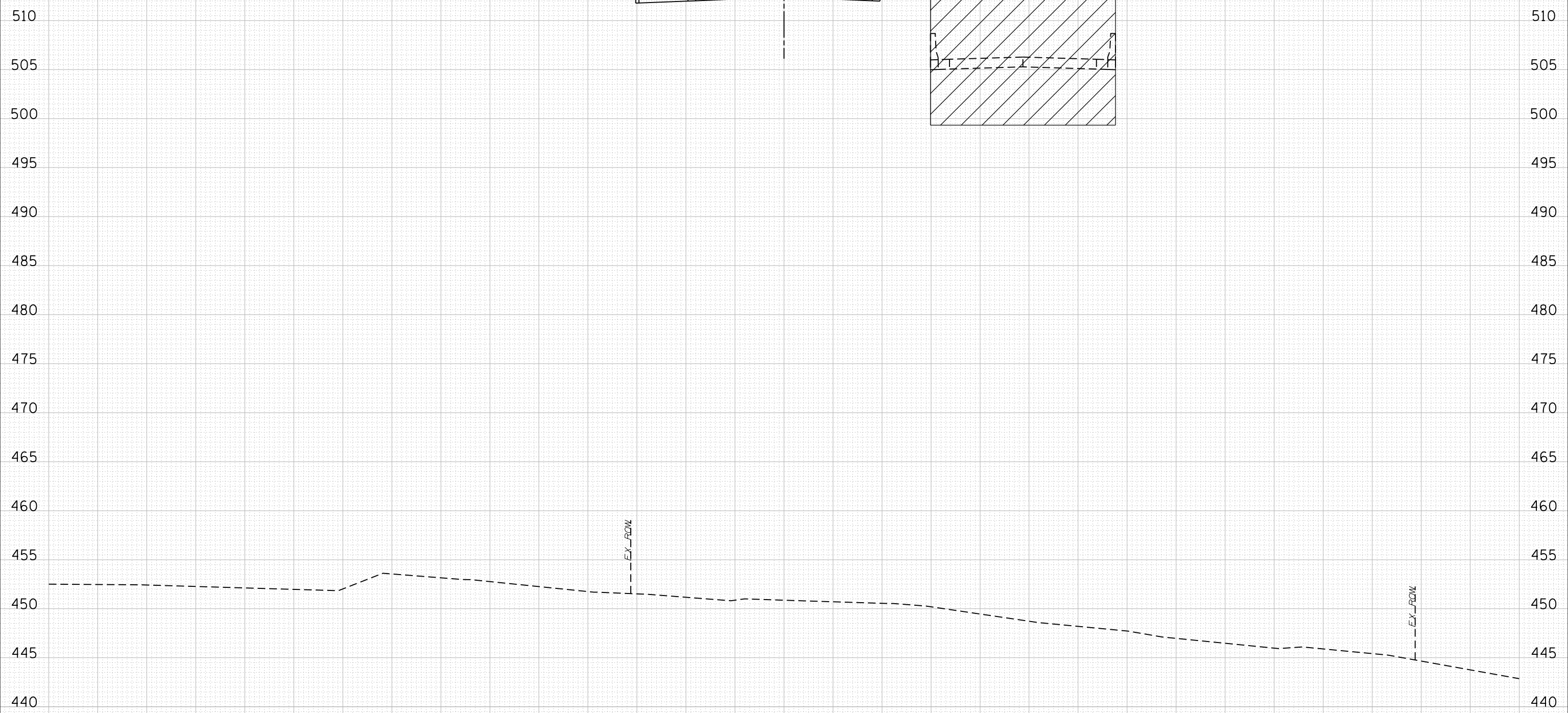
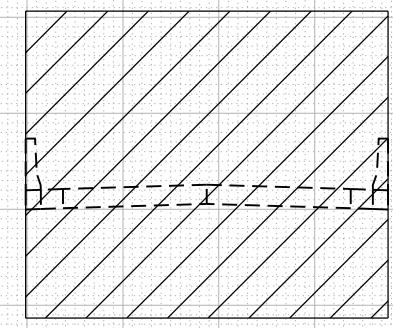
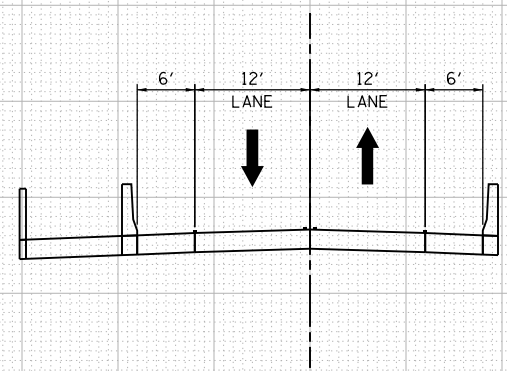
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2
SCALE: 1"=10'H,5'V SHEET NO. 88 OF 112 SHEETS STA. 31+00.00 TO STA. 32+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 146 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

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



33 + 00.00

LE LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

| | | | |
|-----------------------------|----------------|--------------|-------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

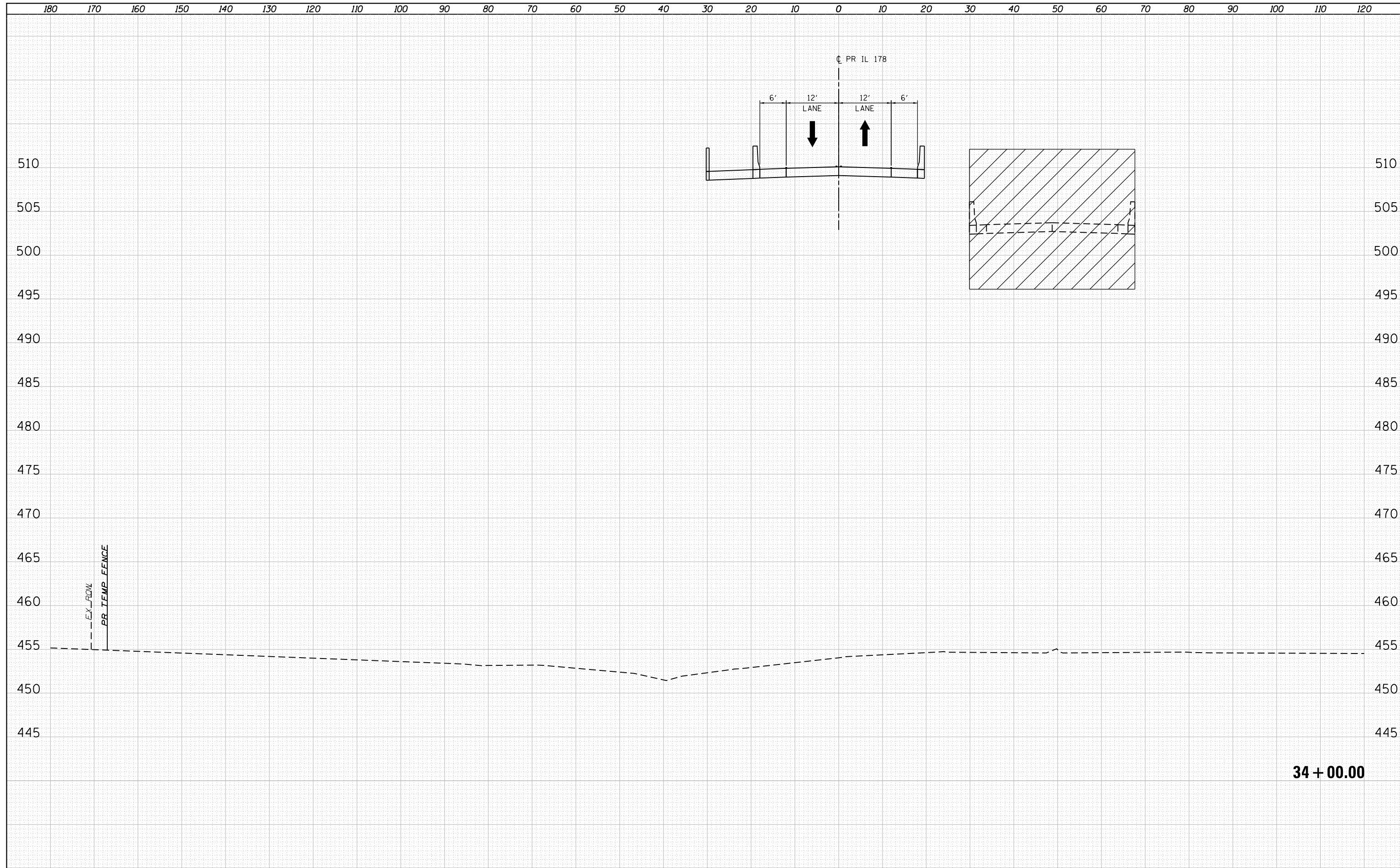
**ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2**

SCALE: 1"=10'H,5'V SHEET NO. 89 OF 112 SHEETS STA. 33+00.00 TO STA. 33+00.00

| | | | | |
|---------------------------|------------|---------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 147 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

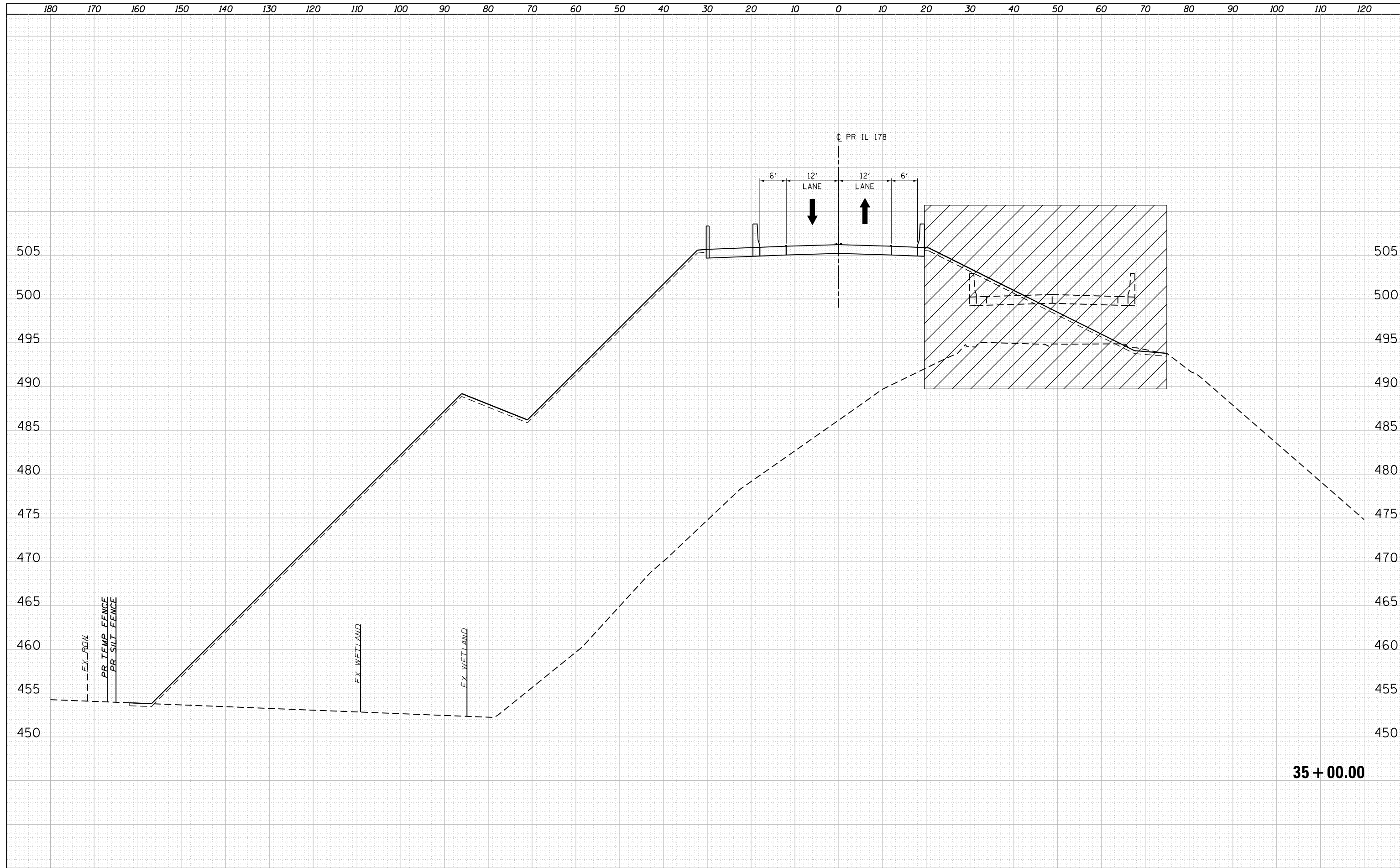
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|-------------------------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| ORIGINAL SURVEY NOTE BOOK NO. | |



34 + 00.00

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

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



Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | |
|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

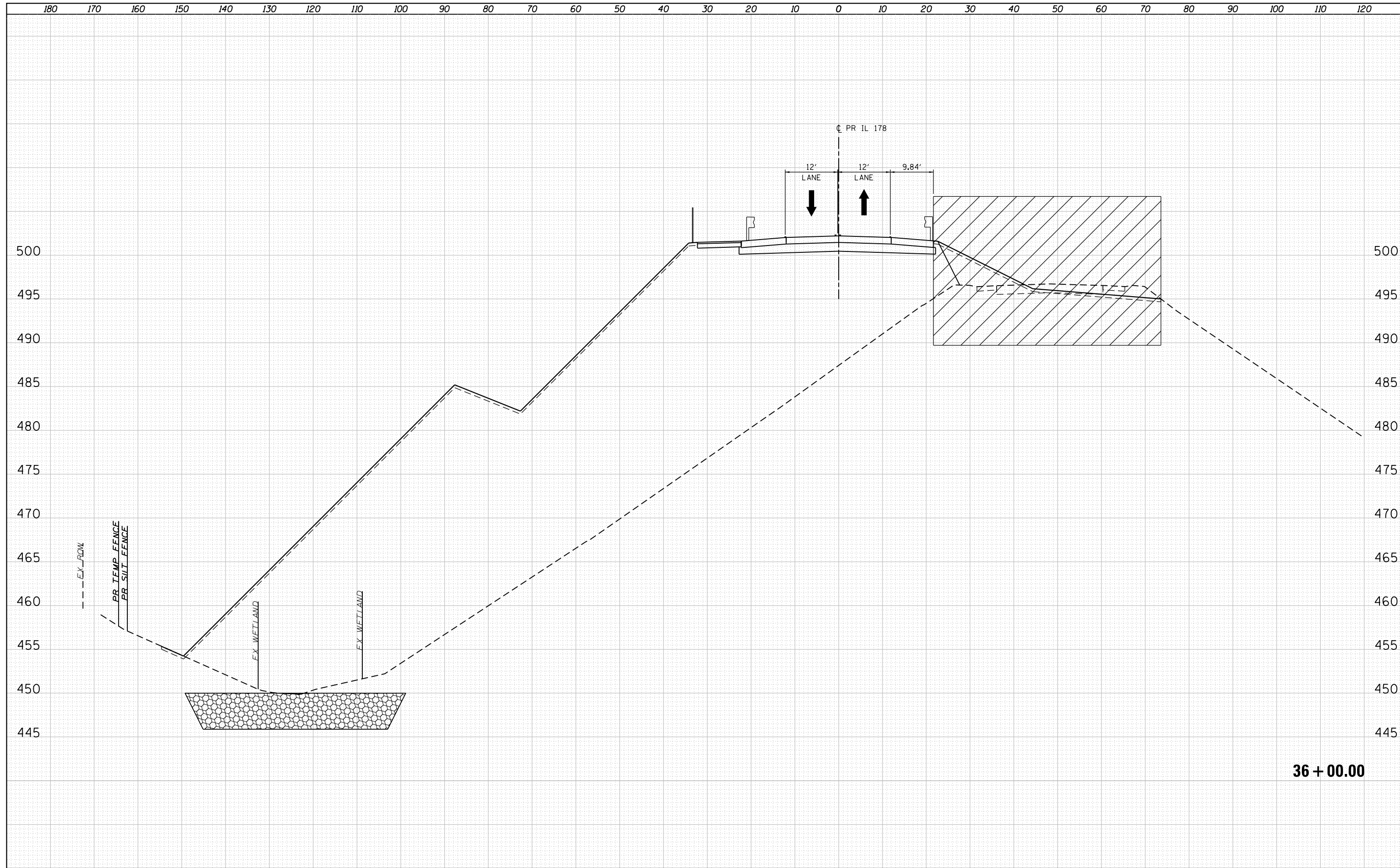
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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|--|----------------------------|
| ILLINOIS ROUTE 178 MOT CROSS SECTIONS - STAGE 2 | |
| SCALE: 1"=10'H,5'V | SHEET NO. 91 OF 112 SHEETS |
| STA. 35+00.00 | TO STA. 35+00.00 |

| | | | | |
|---------------------------|--------------------|----------------|--------------------|---------------|
| F.A.S. RTE. 1279 | SECTION (1) BR & I | COUNTY LASALLE | TOTAL SHEETS 430 | SHEET NO. 149 |
| | | | CONTRACT NO. 66992 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

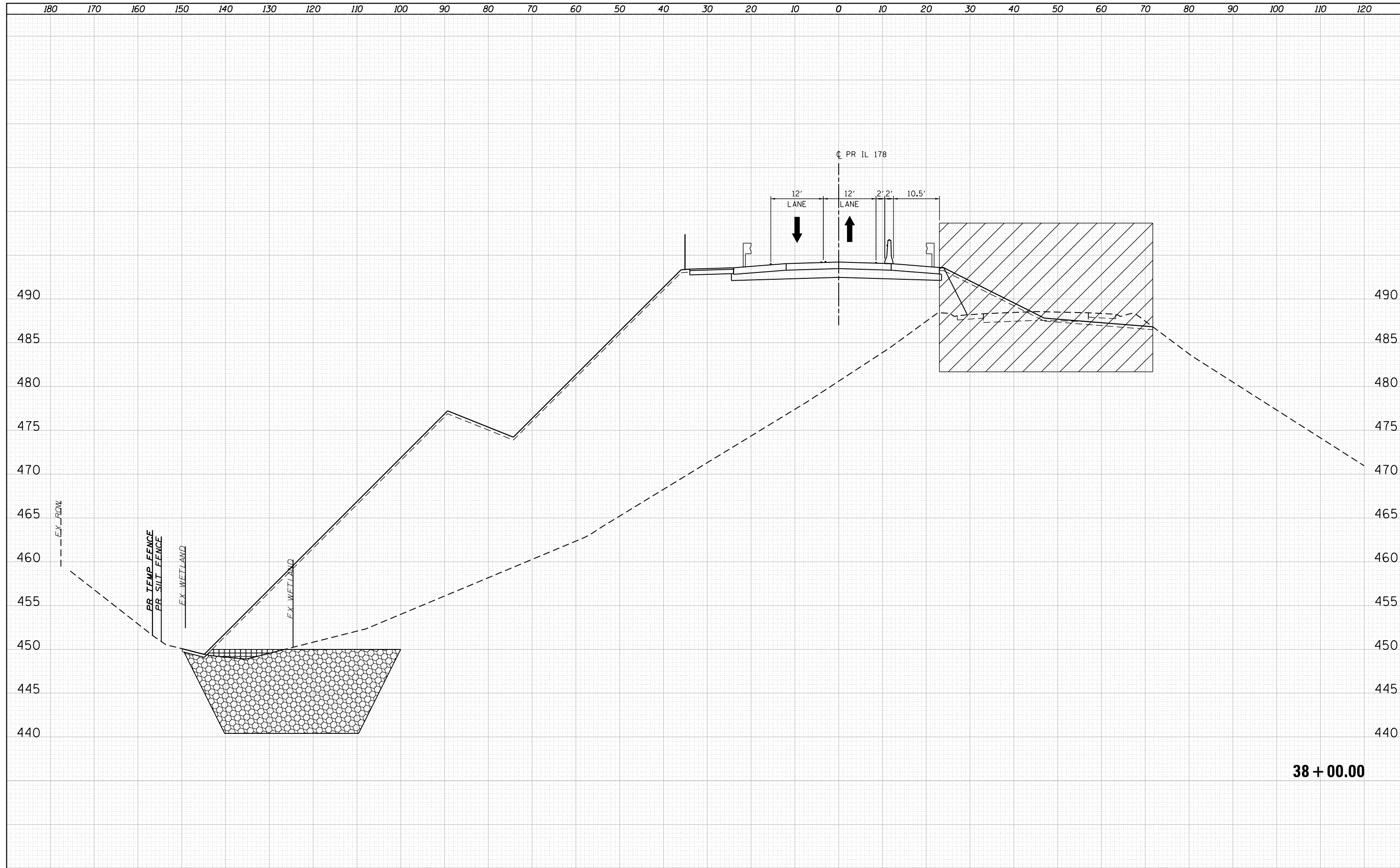


36 + 00.00

| | | | | | | | | | | |
|---|-----------------------------|----------------|--------------|---|--|------------------|--------------------|----------------------------|--------------------------------|--|
| LIN ENGINEERING, LTD. Consulting Engineers <small>Westmont, Illinois</small> | USER NAME = *\$USERNAME* | DESIGNED - NSA | REVISED - -- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ILLINOIS ROUTE 178 MOT CROSS SECTIONS - STAGE 2 | F.A.S. RTE. 1279 | SECTION (1) BR & I | COUNTY LASALLE | TOTAL SHEETS 430 | SHEET NO. 150 |
| | PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- | | | REVISED - -- | SCALE: 1"=10'H,5'V | SHEET NO. 92 OF 112 SHEETS | STA. 36+00.00 TO STA. 36+00.00 | CONTRACT NO. 66992 <small>ILLINOIS FED. AID PROJECT</small> |
| PLOT DATE = 8/5/2016 | DATE = 08/2016 | REVISED - -- | REVISED - -- | | | | | | | |

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

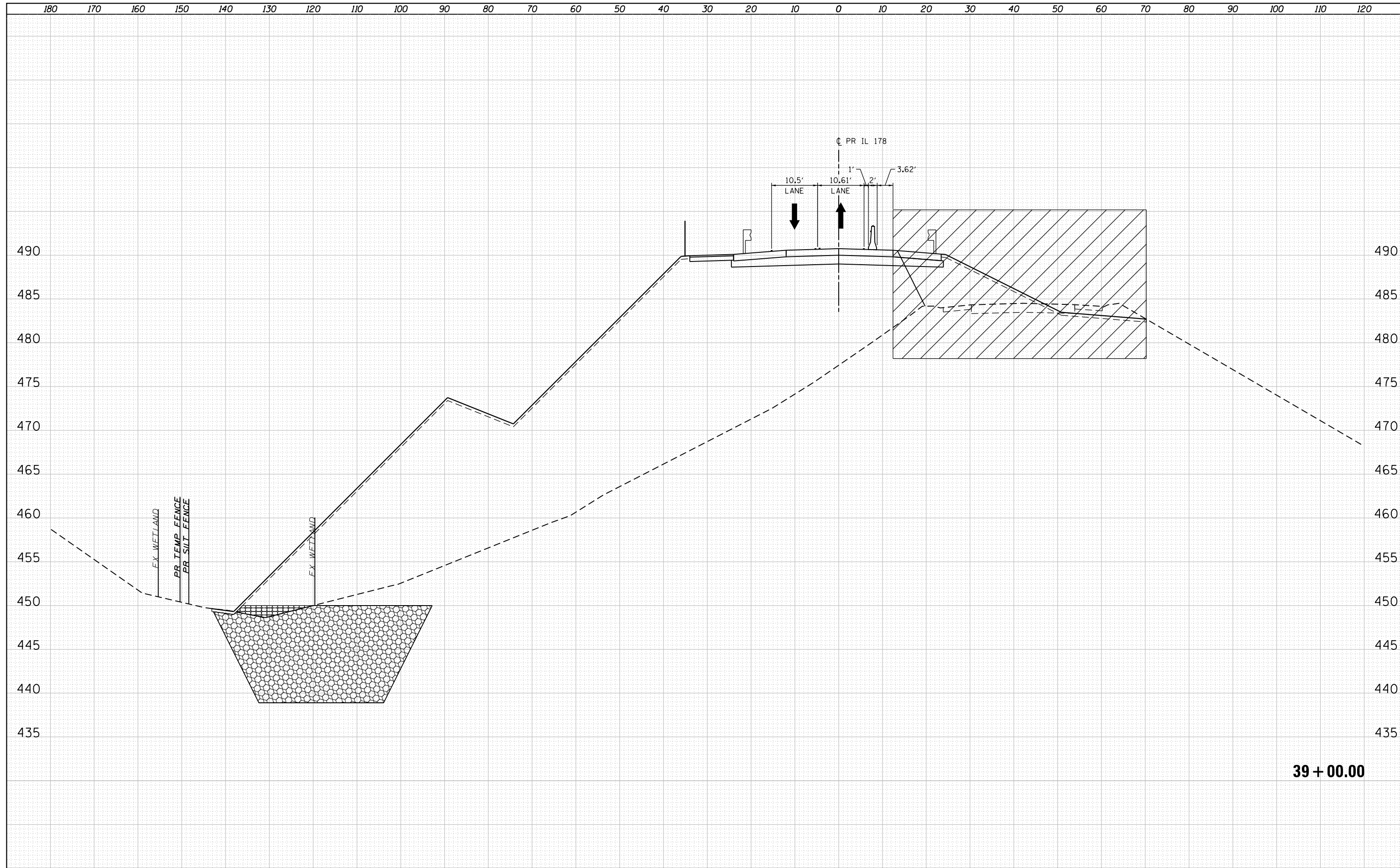
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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
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| ORIGINAL SURVEY NOTE BOOK NO. | |



38 + 00.00

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

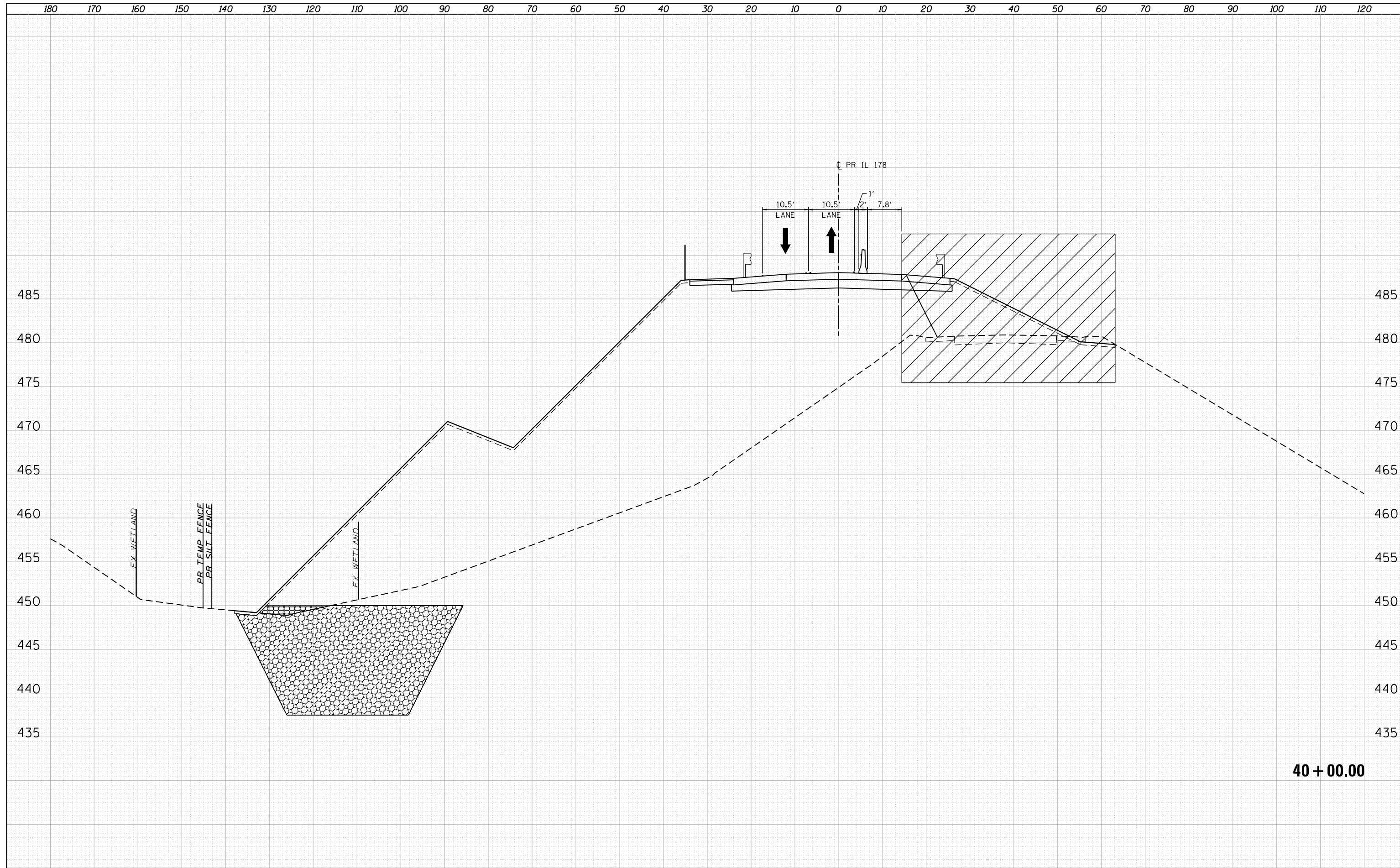
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| DATE | |
| BY | |
| SURVEYED | |
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| TEMPLATE | |
| AREAS | |
| CHECKED | |
| ORIGINAL SURVEY NOTE BOOK NO. | |



39 + 00.00

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

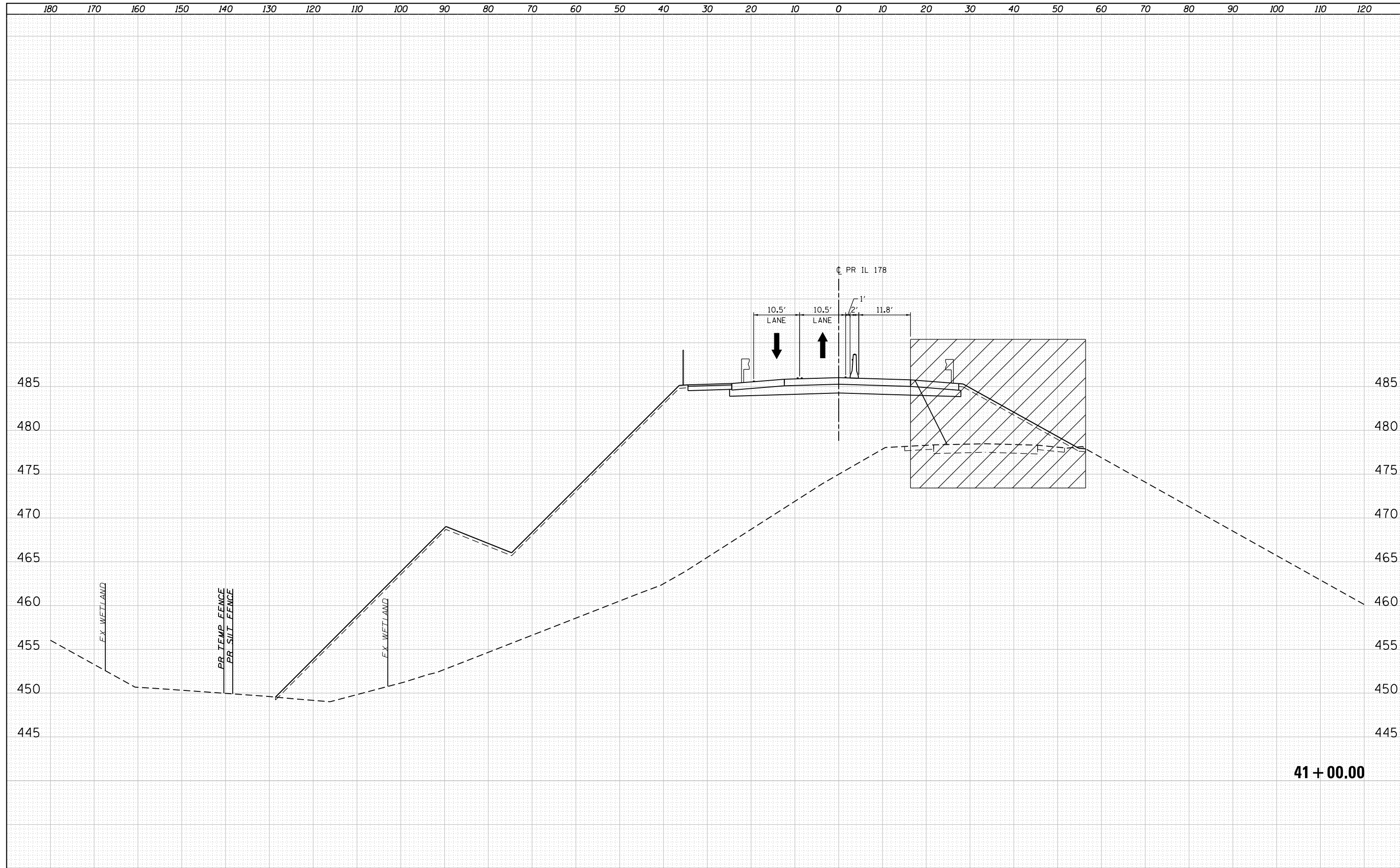
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| DATE | |
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| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| ORIGINAL SURVEY | |
| NOTE BOOK | |
| NO. | |



40 + 00.00

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

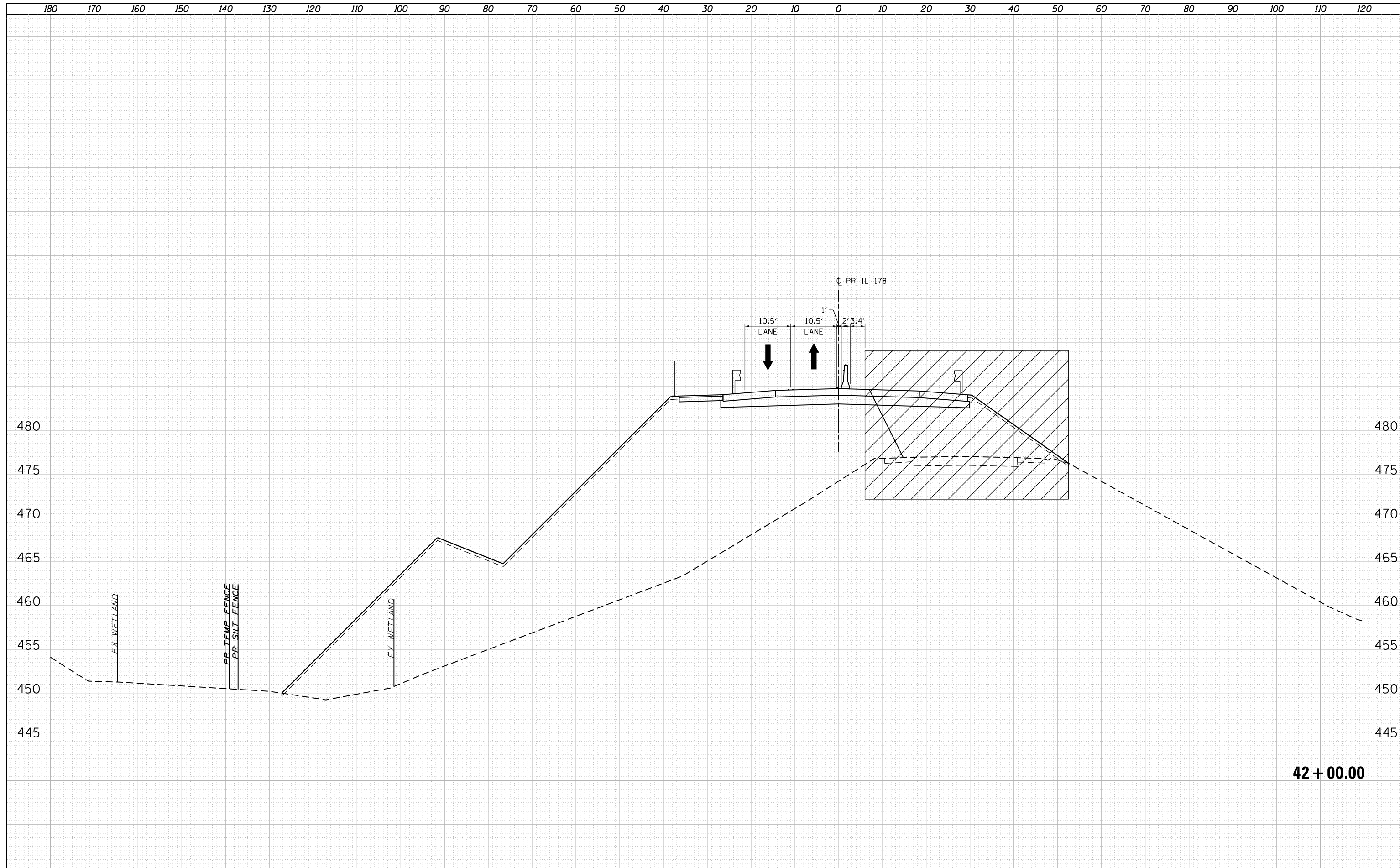
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| DATE | |
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| SURVEYED | |
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| TEMPLATE | |
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| ORIGINAL SURVEY NOTE BOOK NO. | |



41 + 00.00

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

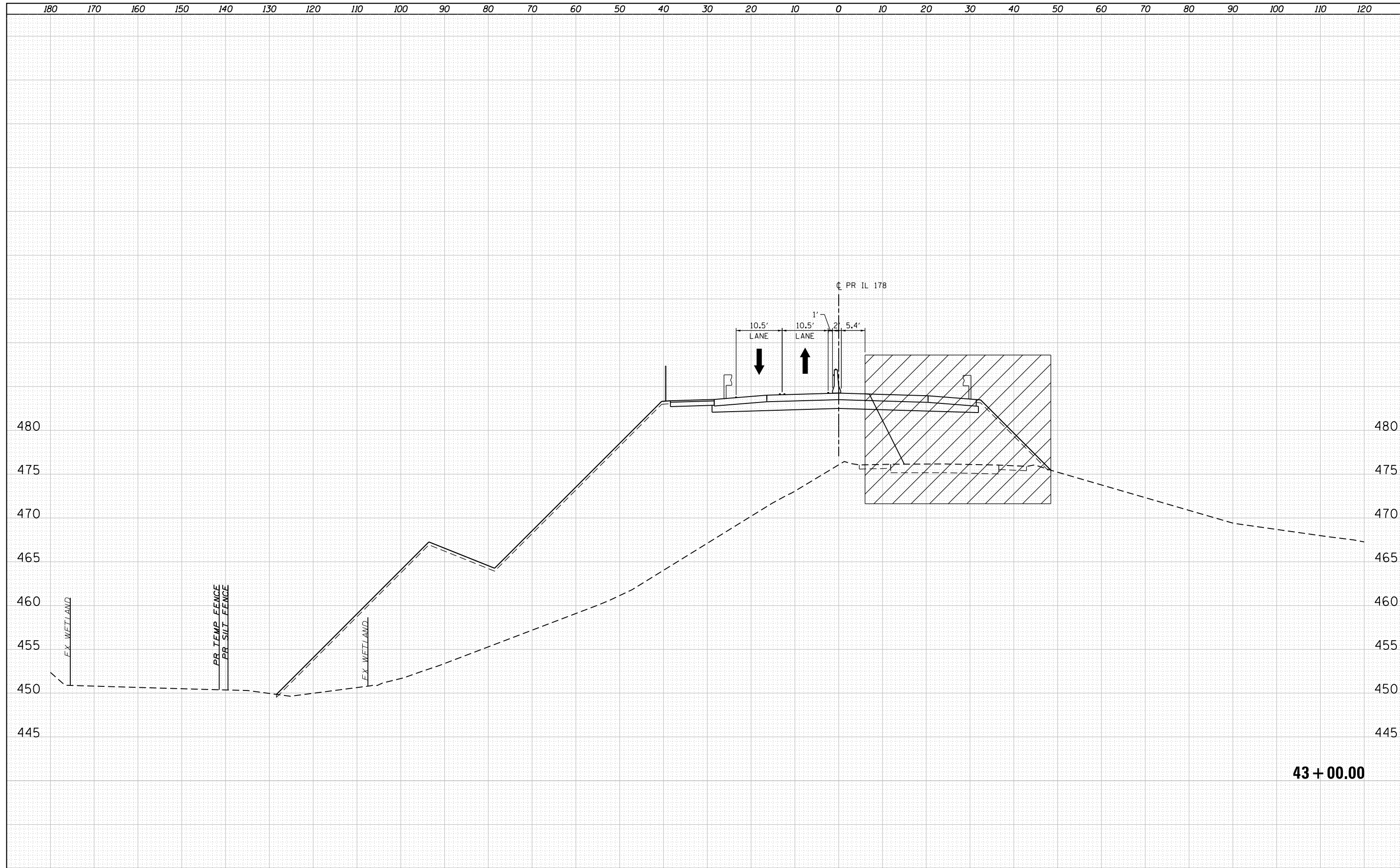
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| DATE | |
| BY | |
| SURVEYED | |
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| ORIGINAL SURVEY | |
| NOTE BOOK | |
| NO. | |



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|--|---|---|---|--|--|--------------------|----------------------------|--------------------------------|---|---------------------------|
| LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois | USER NAME = *USERNAME* DESIGNED - NSA DRAWN - NSA CHECKED - ST DATE - 08/2016 | REVISIONS: REVISION NO. DATE DESCRIPTION -- -- ----- -- -- ----- -- -- ----- -- -- ----- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ILLINOIS ROUTE 178 MOT CROSS SECTIONS - STAGE 2 | | SCALE: 1"=10'H,5'V | SHEET NO. 98 OF 112 SHEETS | STA. 42+00.00 TO STA. 42+00.00 | F.A.S. RTE. 1279 SECTION (1) BR & I COUNTY LASALLE TOTAL SHEETS 430 SHEET NO. 156 CONTRACT NO. 66992 | ILLINOIS FED. AID PROJECT |
| | 42 + 00.00 | | | | | | | | | |

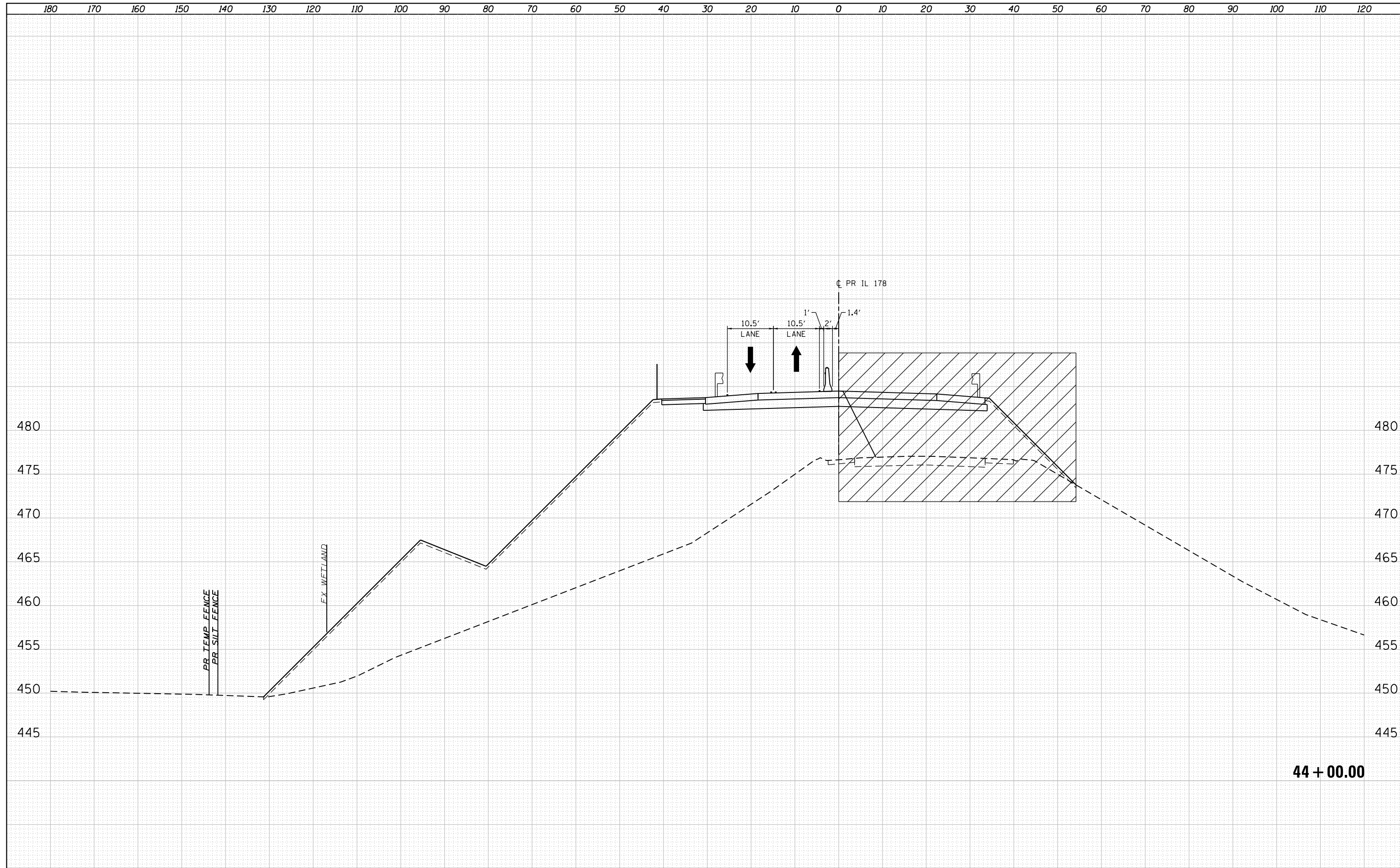
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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
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| FINAL SURVEY NOTE BOOK NO. | |

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| DATE | |
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| ORIGINAL SURVEY NOTE BOOK NO. | |



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| TEMPLATE | |
| AREAS | |
| CHECKED | |
| FINAL SURVEY NOTE BOOK NO. | |

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



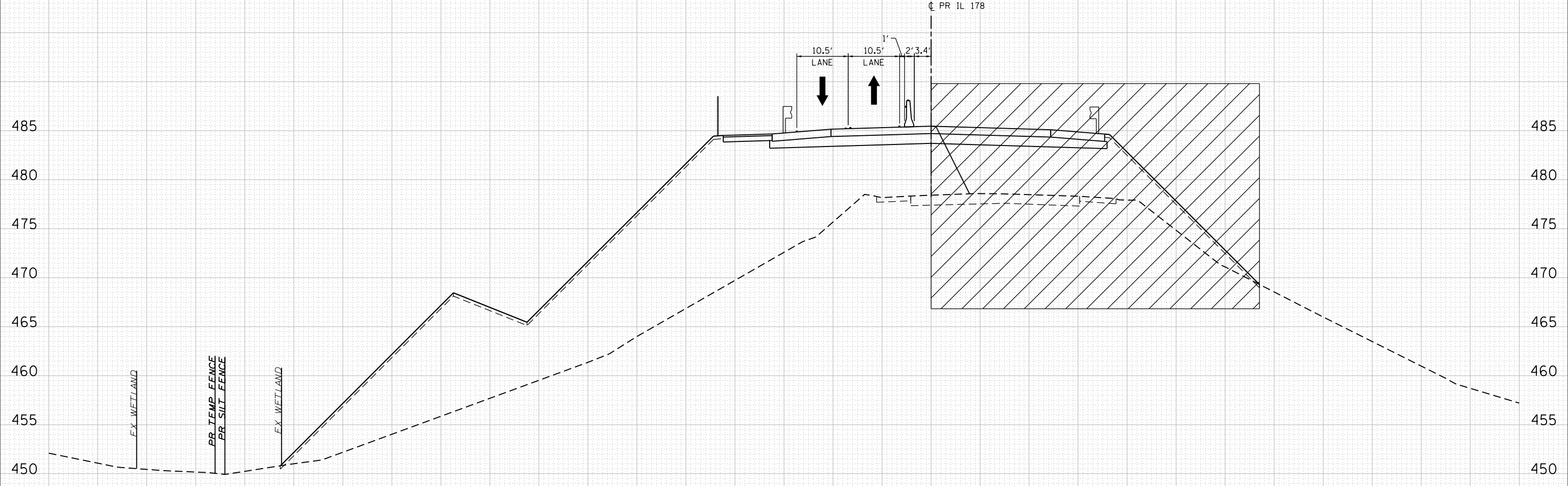
44 + 00.00

| | | | | | | | | | | |
|--|---|---|---|---|--------------------|-----------------------------|--------------------------------|---|---|---------------------------|
| LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois | USER NAME = *\$USERNAME* DESIGNED - NSA DRAWN - NSA CHECKED - ST DATE - 08/2016 | REVISIONS: REVISION NO. DATE DESCRIPTION --- --- --- 1 08/2016 2 08/2016 3 08/2016 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ILLINOIS ROUTE 178 MOT CROSS SECTIONS - STAGE 2 | | SCALE: 1"=10'H,5'V | SHEET NO. 100 OF 112 SHEETS | STA. 44+00.00 TO STA. 44+00.00 | F.A.S. RTE. 1279 SECTION (1) BR & I COUNTY LASALLE TOTAL SHEETS 430 SHEET NO. 158 CONTRACT NO. 66992 | ILLINOIS FED. AID PROJECT |
| | PLOT SCALE = 20.0000' / in. PLOT DATE = 8/5/2016 | DESIGNED - NSA DRAWN - NSA CHECKED - ST DATE - 08/2016 | | REVISIONS: REVISION NO. DATE DESCRIPTION --- --- --- 1 08/2016 2 08/2016 3 08/2016 | SCALE: 1"=10'H,5'V | SHEET NO. 100 OF 112 SHEETS | STA. 44+00.00 TO STA. 44+00.00 | F.A.S. RTE. 1279 SECTION (1) BR & I COUNTY LASALLE TOTAL SHEETS 430 SHEET NO. 158 CONTRACT NO. 66992 | ILLINOIS FED. AID PROJECT | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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| DATE | |
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| AREAS | |
| CHECKED | |
| FINAL SURVEY NOTE BOOK NO. | |

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



45 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

SCALE: 1"=10'H,5"V SHEET NO. 101 OF 112 SHEETS STA. 45+00.00 TO STA. 45+00.00

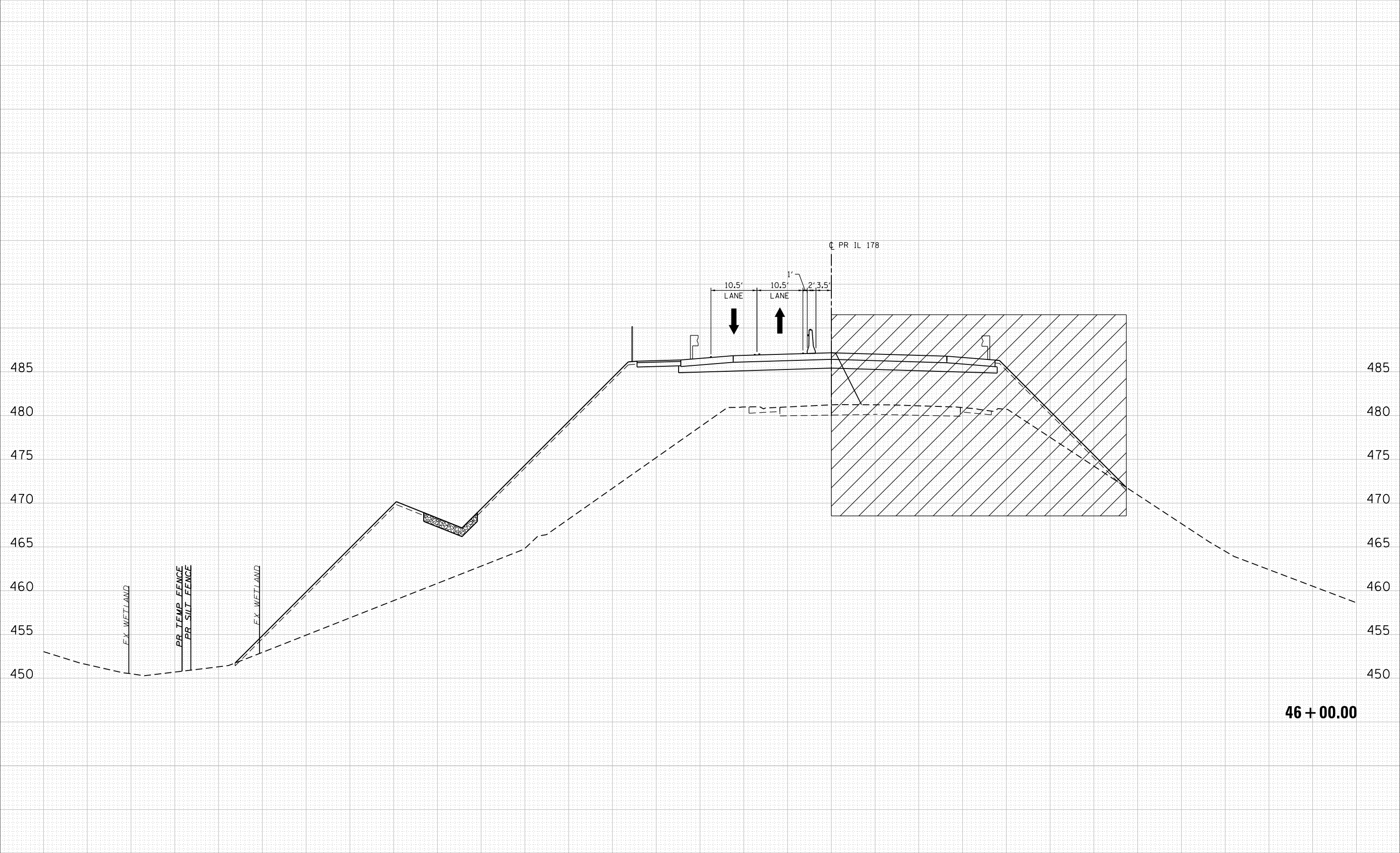
| | | | | |
|--------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 159 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | |
|-----------------------------|----------------|--------------|
| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

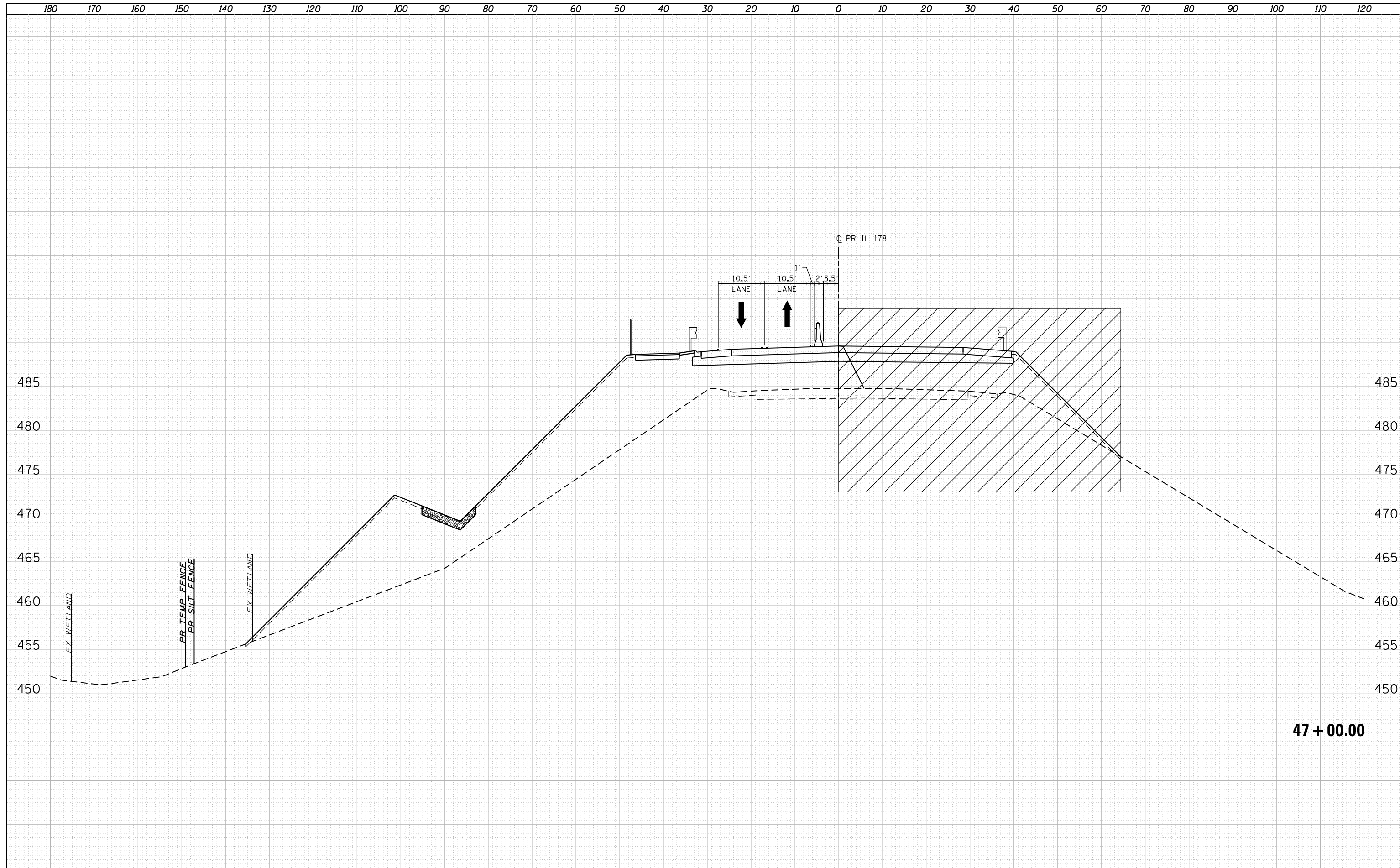
SCALE: 1"=10'H,5'V SHEET NO. 102 OF 112 SHEETS STA. 46+00.00 TO STA. 46+00.00

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|--------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 160 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

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

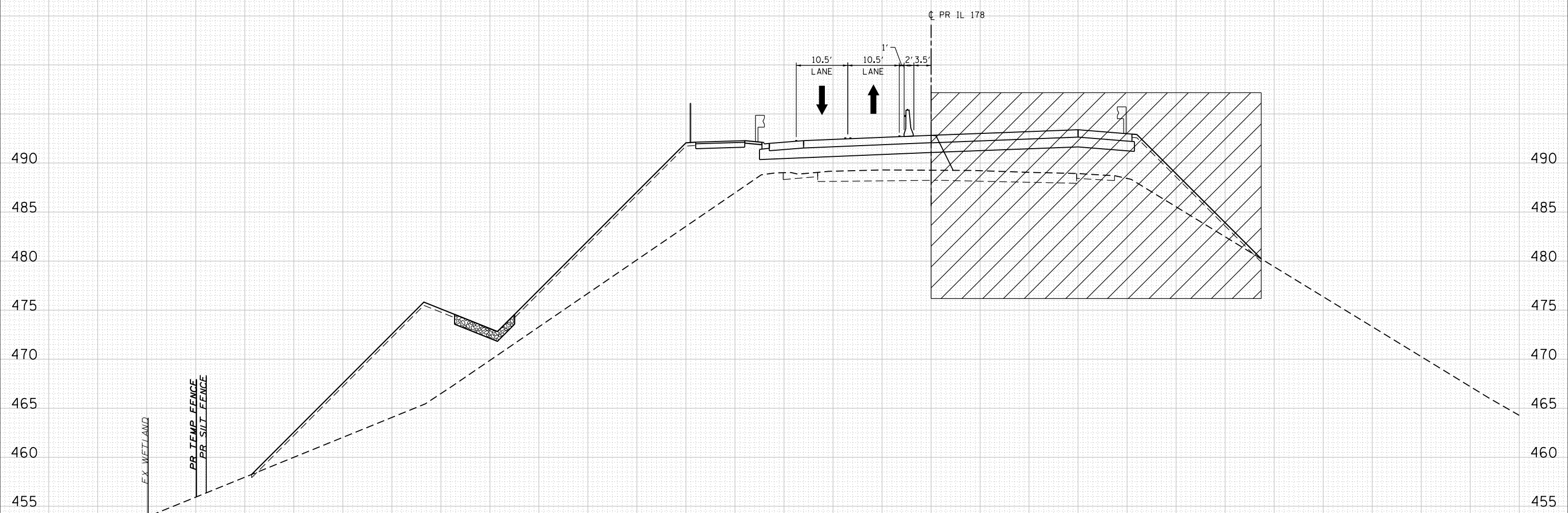
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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| ORIGINAL SURVEY NOTE BOOK NO. | |



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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



48 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

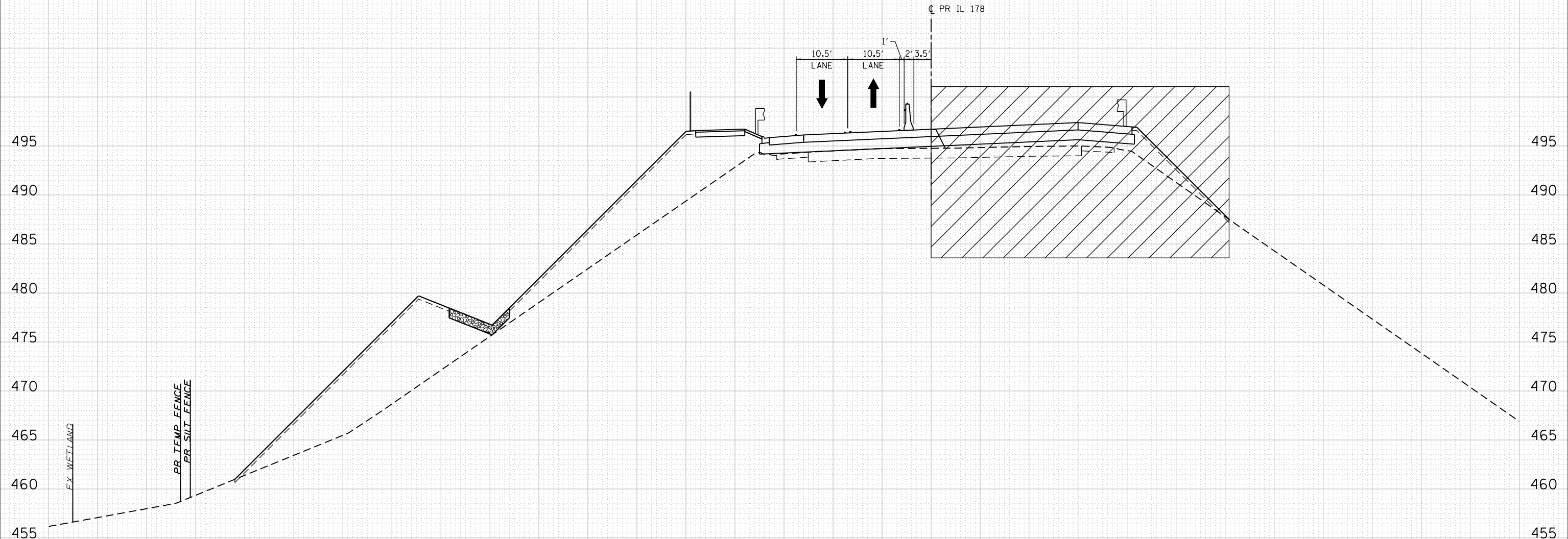
SCALE: 1"=10'H,5'V SHEET NO. 104 OF 112 SHEETS STA. 48+00.00 TO STA. 48+00.00

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|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 162 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



49 + 00.00

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



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| USER NAME : *\$USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISED - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2

SCALE: 1"=10'H,5"V SHEET NO.105 OF 112 SHEETS STA. 49+00.00 TO STA.49+00.00

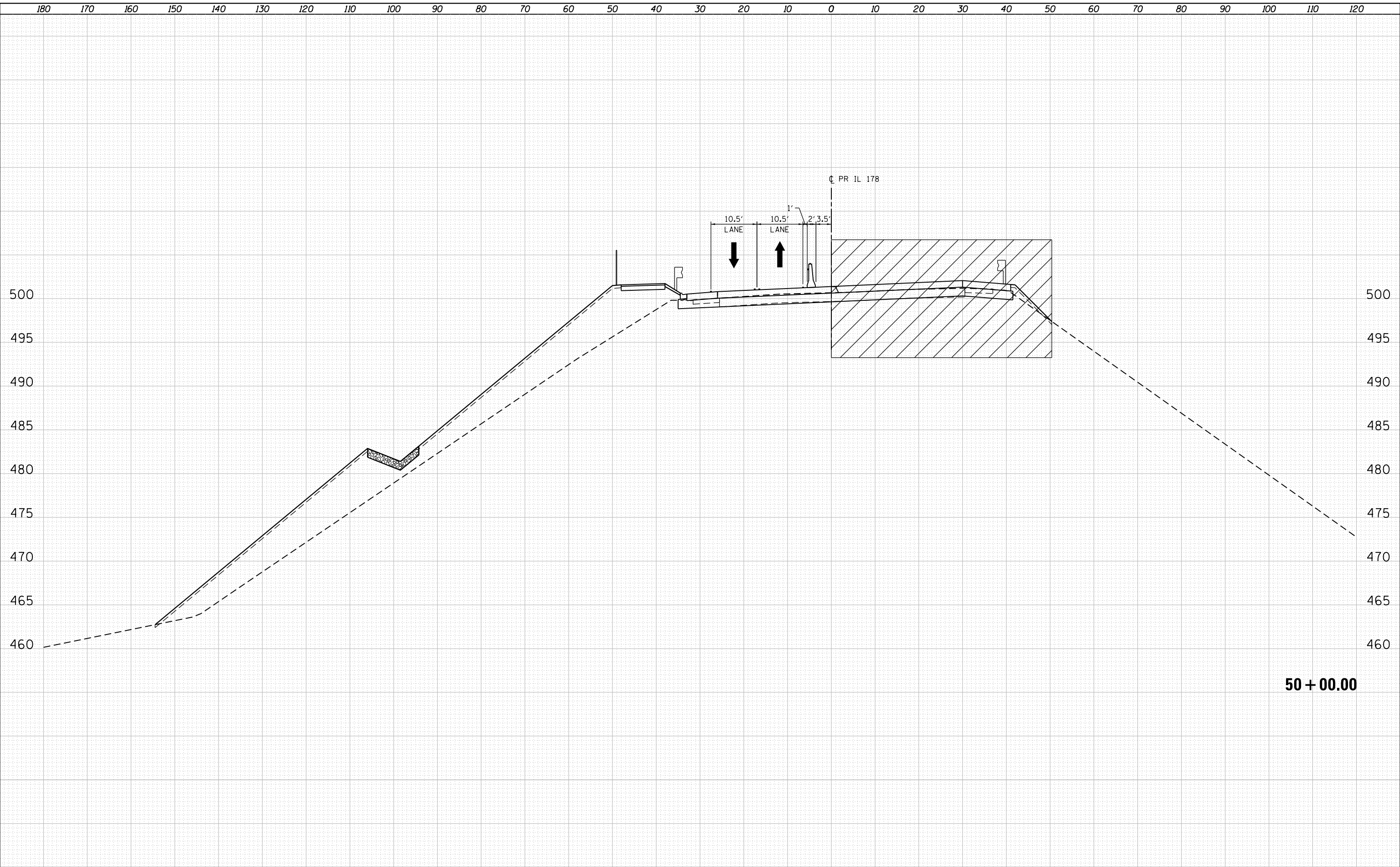
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 163 |
| CONTRACT NO. 66992 | | | | |

ILLINOIS FED. AID PROJECT

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | | |
|-----------------------------|----------------|--------------|-------|
| USER NAME = *USERNAME* | DESIGNED - NSA | REVISED - -- | ----- |
| | DRAWN - NSA | REVISED - -- | ----- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- | ----- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISED - -- | ----- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2**

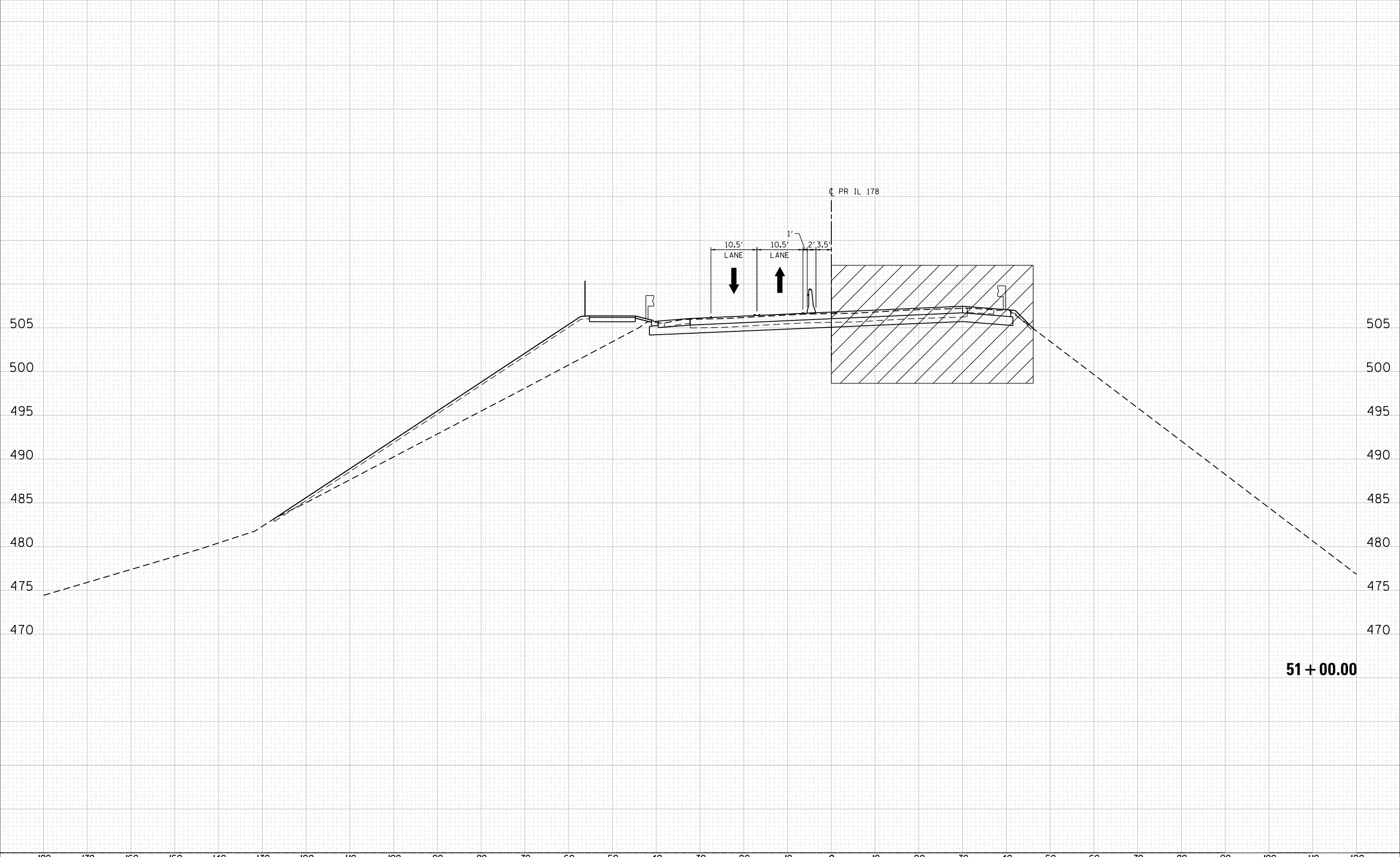
SCALE: 1"=10'H,5"V SHEET NO. 106 OF 112 SHEETS STA. 50+00.00 TO STA. 50+00.00

| | | | | |
|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 164 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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



180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



| | | |
|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISÉD - -- |
| | DRAWN - NSA | REVISÉD - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISÉD - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISÉD - -- |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

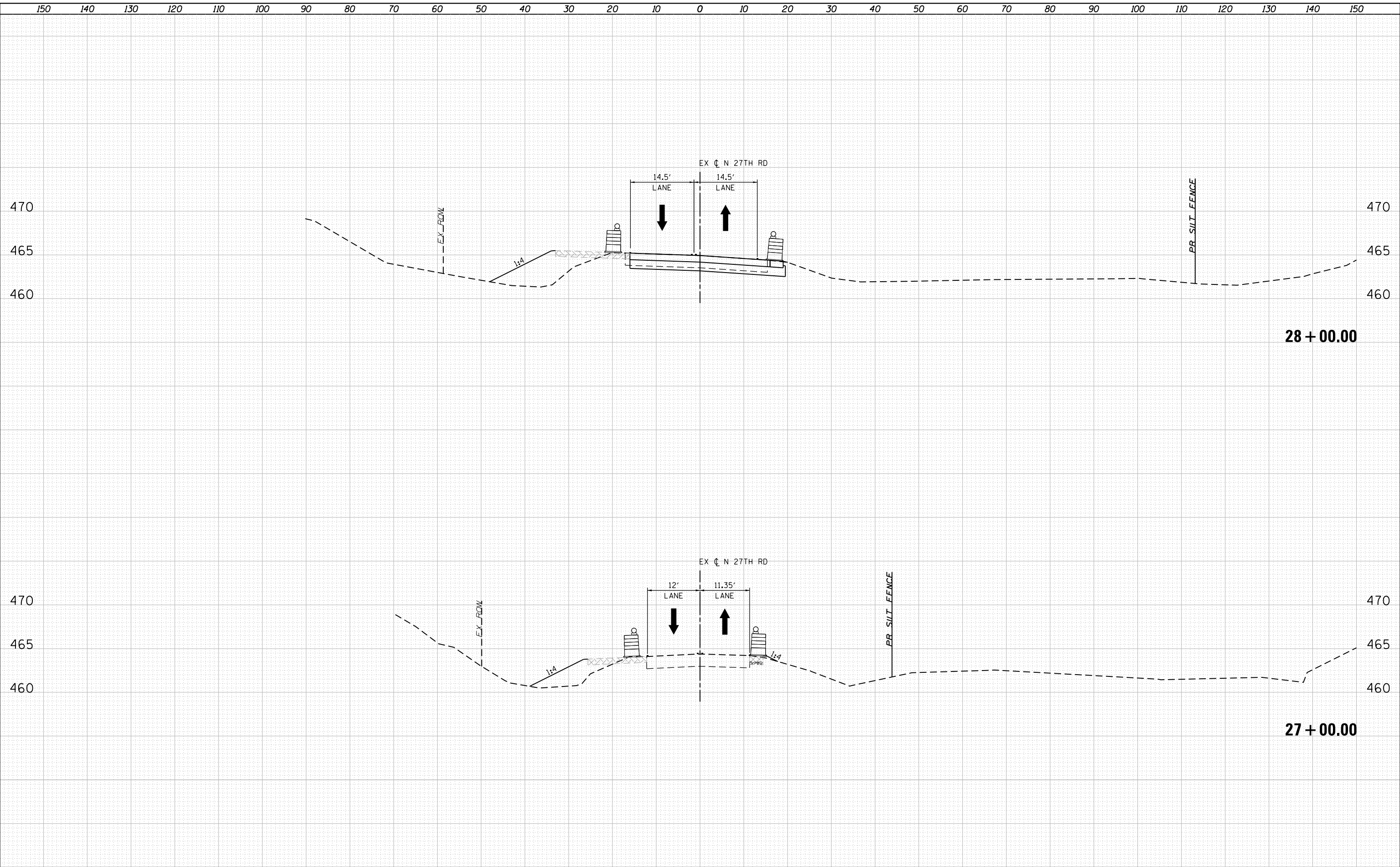
ILLINOIS ROUTE 178
MOT CROSS SECTIONS - STAGE 2
SCALE: 1"=10'H,5'V SHEET NO.107 OF 112 SHEETS STA. 51+00.00 TO STA.51+00.00

| | | | | |
|---------------------------|--------------------|----------------|------------------|---------------|
| F.A.S. RTE. 1279 | SECTION (1) BR & I | COUNTY LASALLE | TOTAL SHEETS 430 | SHEET NO. 165 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

51 + 00.00

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

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



Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | |
|-----------------------------|----------------|--------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISED - -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

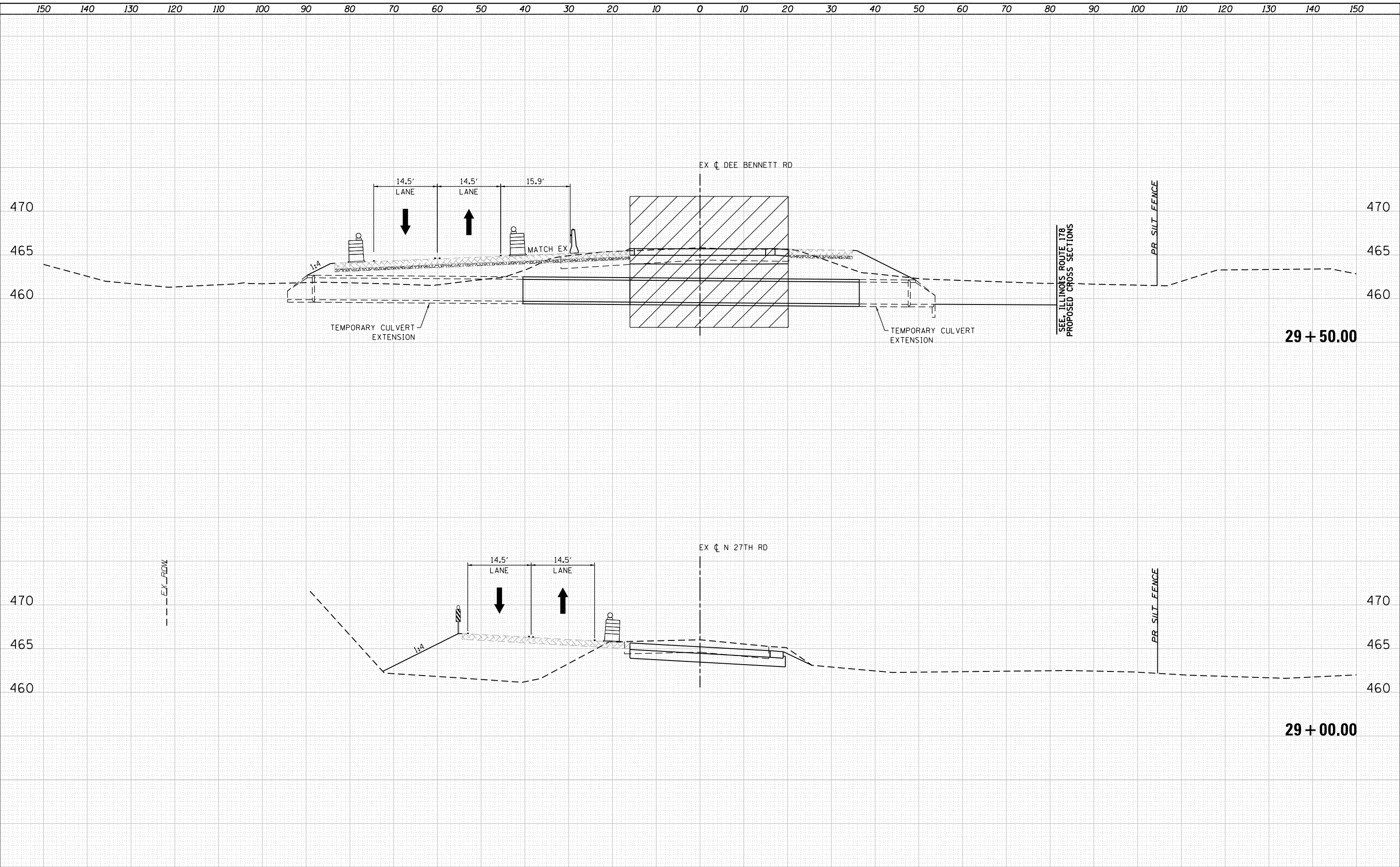
**N. 27TH RD.
MOT CROSS SECTIONS - STAGE 2**

SCALE: 1"=10'H,5'V SHEET NO. 108 OF 112 SHEETS STA. 27+00.00 TO STA. 28+00.00

| | | | | |
|--------------------|------------|---------|---------------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 166 |
| CONTRACT NO. 66992 | | | ILLINOIS FED. AID PROJECT | |

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

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



Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

| | | |
|-----------------------------|----------------|--------------|
| USER NAME = *USERNAME* | DESIGNED - NSA | REVISED - -- |
| | DRAWN - NSA | REVISED - -- |
| PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISED - -- |
| PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISED - -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

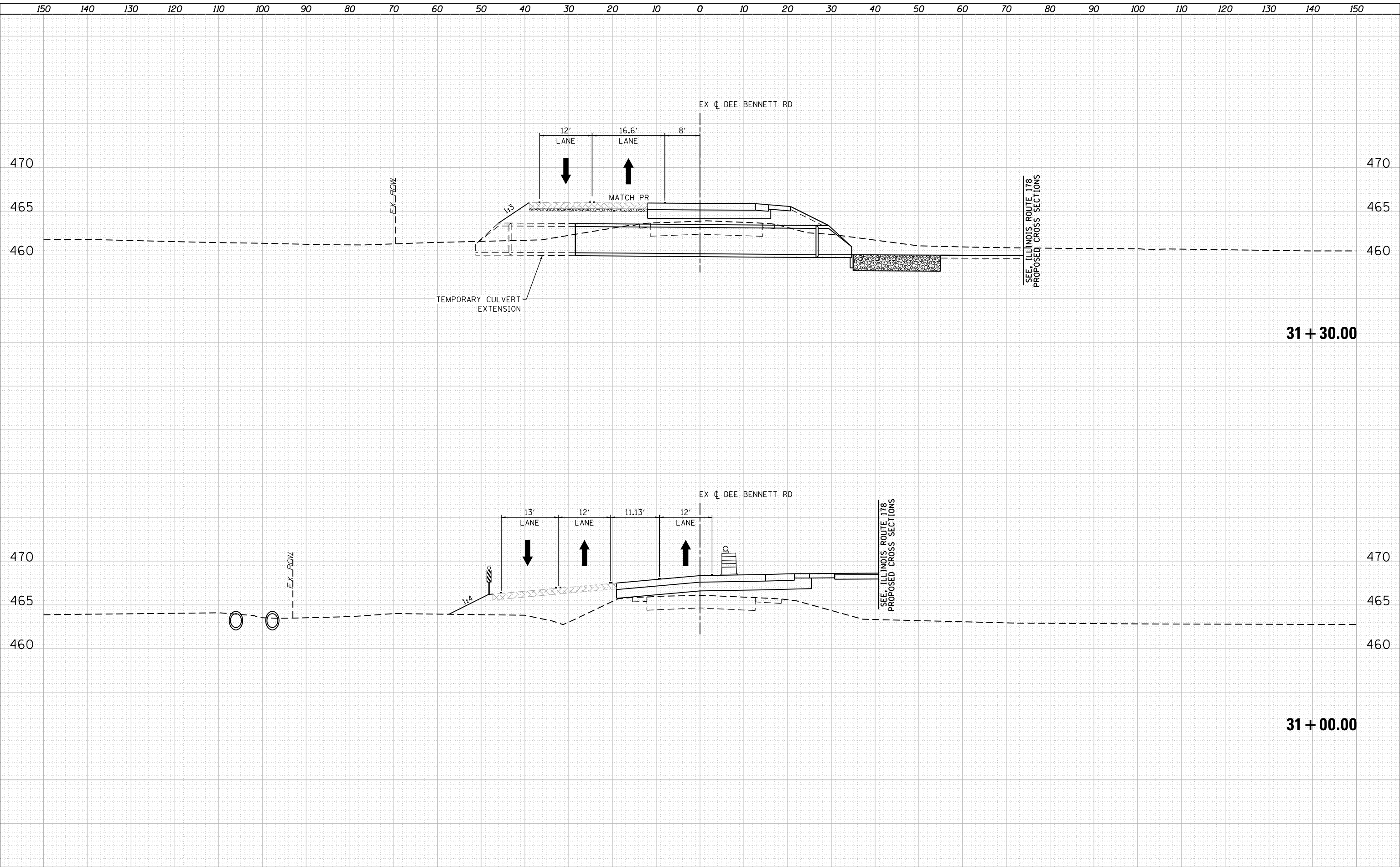
**N. 27TH RD.
MOT CROSS SECTIONS - STAGE 2**

SCALE: 1"=10'H,5'V SHEET NO. 109 OF 112 SHEETS STA. 29+00.00 TO STA. 29+50.00

| | | | | |
|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 167 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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



| | | |
|-----------------------------|----------------|---------------|
| USER NAME : *USERNAME* | DESIGNED - NSA | REVISIED - -- |
| | DRAWN - NSA | REVISIED - -- |
| PLOT SCALE : 20.0000' / in. | CHECKED - ST | REVISIED - -- |
| PLOT DATE : 8/5/2016 | DATE - 08/2016 | REVISIED - -- |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

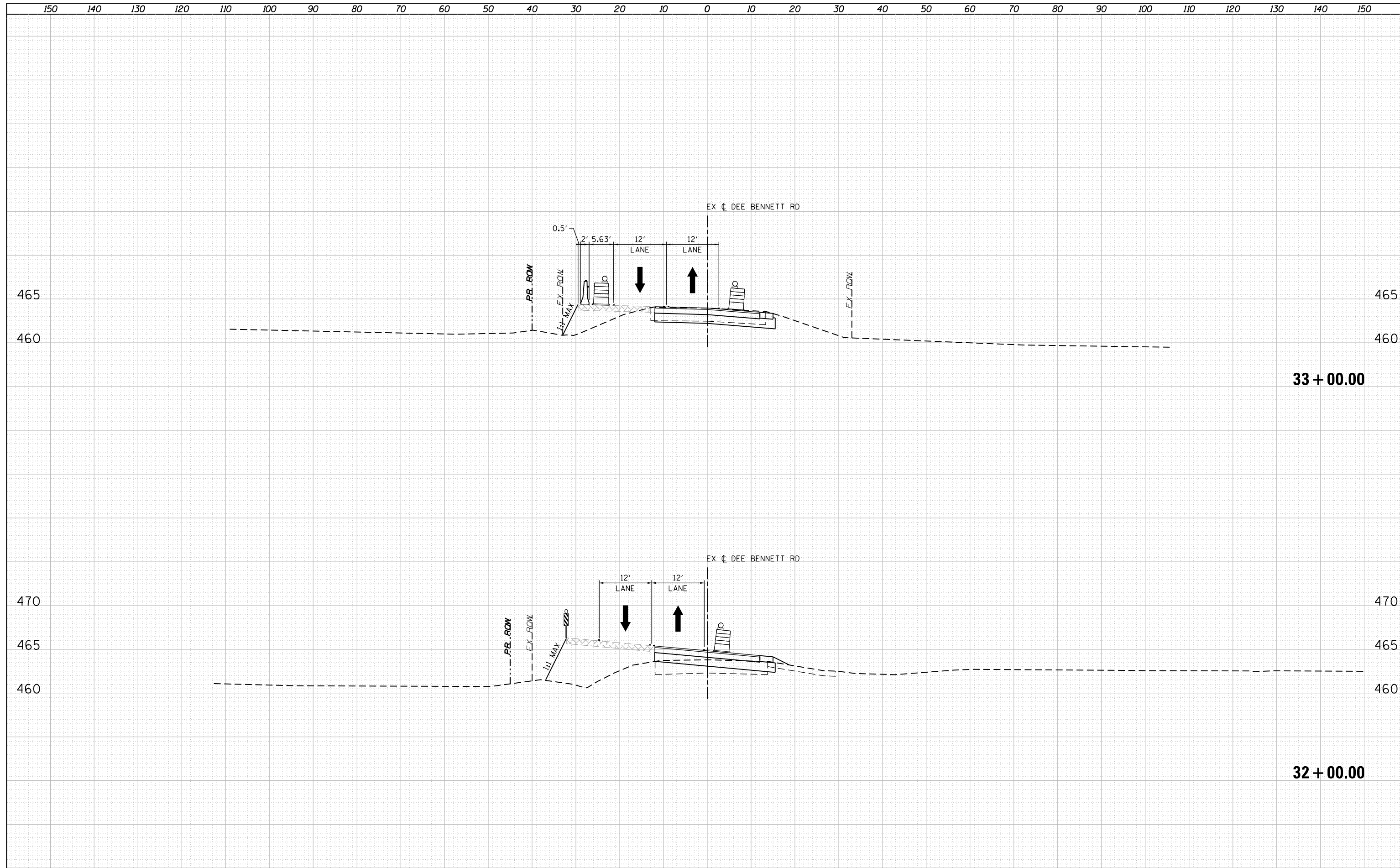
**DEE BENNETT RD. (CH-34)
MOT CROSS SECTIONS - STAGE 2**

SCALE: 1"=10'H,5'V SHEET NO. 110 OF 112 SHEETS STA. 31+00.00 TO STA. 31+30.00

| | | | | |
|---------------------------|------------|---------|--------------|--------------------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 168 |
| | | | | CONTRACT NO. 66992 |
| ILLINOIS FED. AID PROJECT | | | | |

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

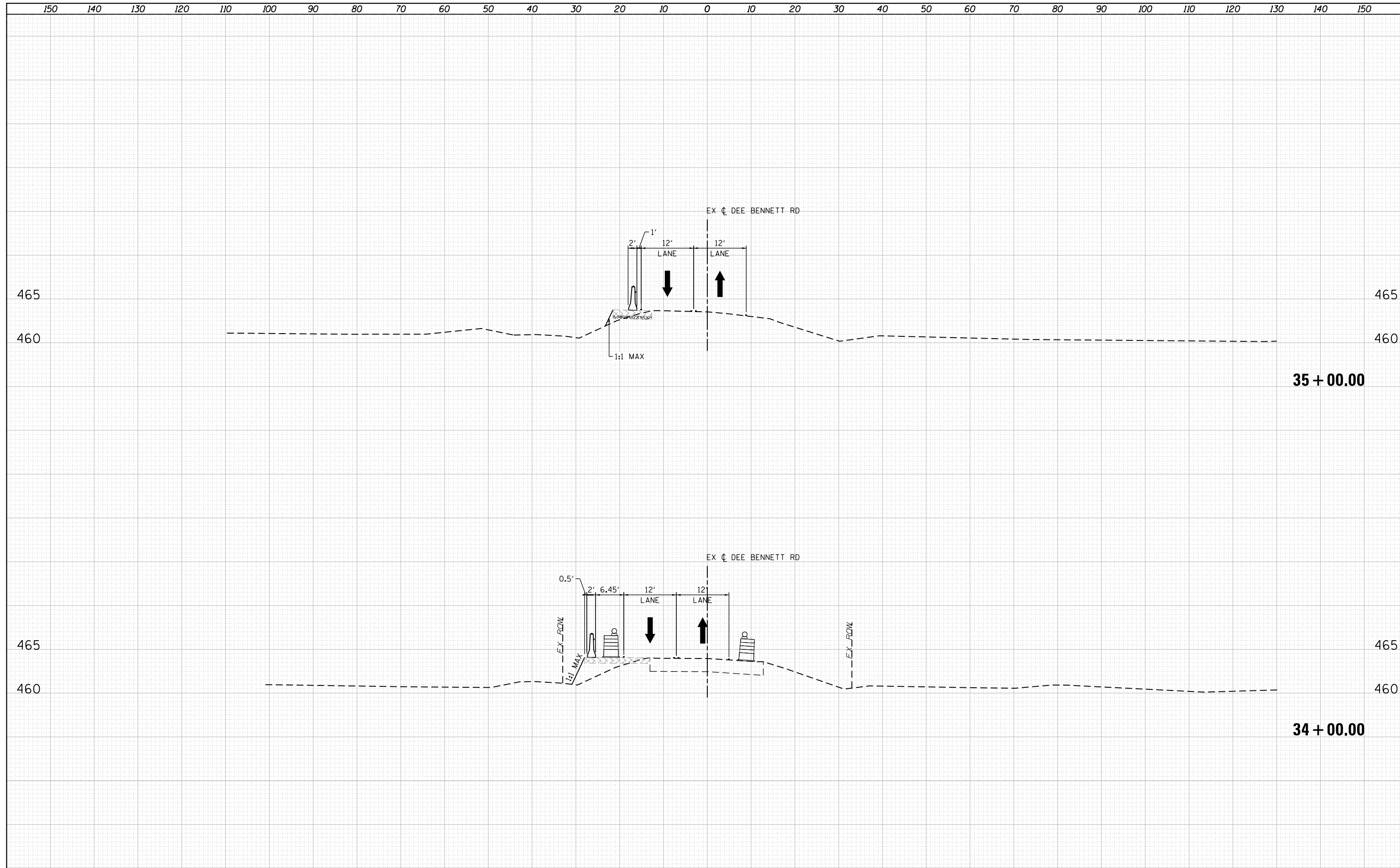
| | |
|-------------------------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| ORIGINAL SURVEY NOTE BOOK NO. | |



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|--|-----------------------------|----------------|---------------|---|---|-----------------------------|--------------------------------|---------------------------|--------|--------------|-----------|
| LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois | USER NAME = *USERNAME* | DESIGNED - NSA | REVISIED - -- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DEE BENNETT RD. (CH-34) MOT CROSS SECTIONS - STAGE 2 | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = 20.0000' / in. | CHECKED - ST | REVISIED - -- | | (1) BR & I | LASALLE | 430 | 169 | | | |
| | PLOT DATE = 8/5/2016 | DATE - 08/2016 | REVISIED - -- | | CONTRACT NO. 66992 | | | | | | |
| | | | | | SCALE: 1"=10'H,5'V | SHEET NO. 111 OF 112 SHEETS | STA. 32+00.00 TO STA. 33+00.00 | ILLINOIS FED. AID PROJECT | | | |

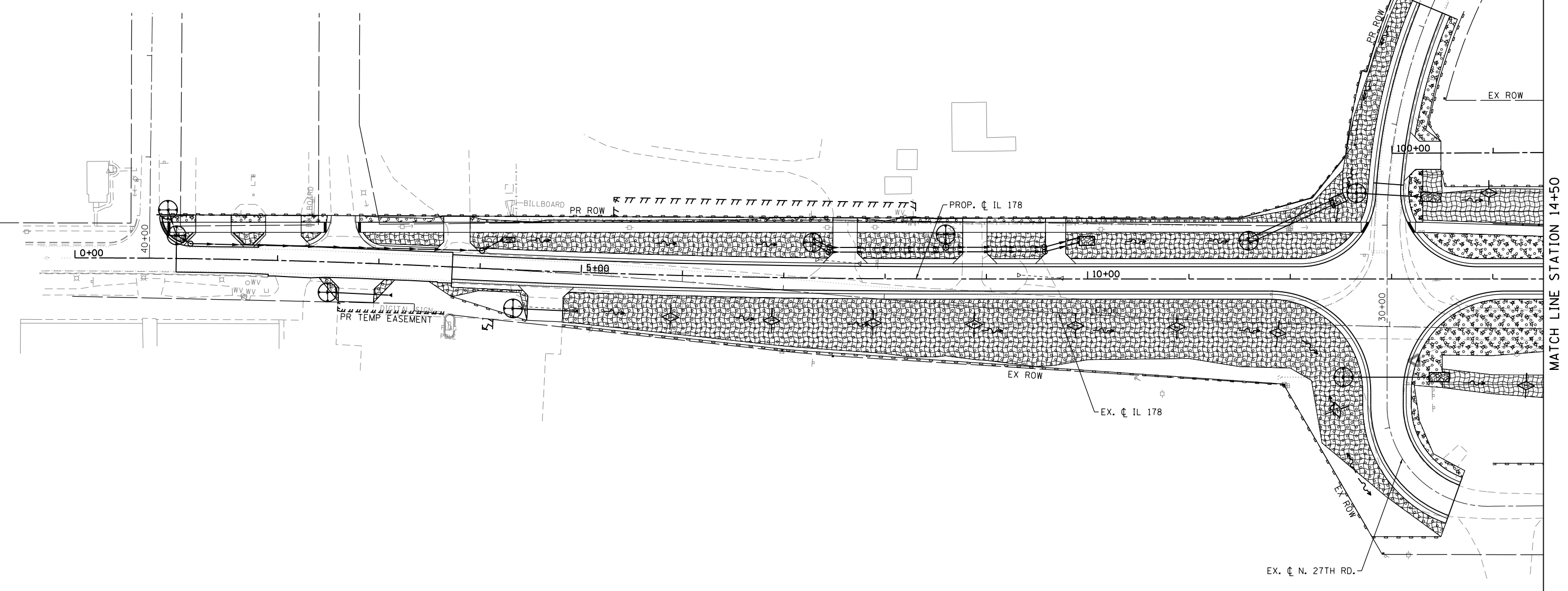
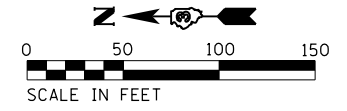
| | |
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| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| TEMPLATE | |
| AREAS | |
| CHECKED | |
| FINAL SURVEY | |
| NOTE BOOK | |
| NO. | |

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



EROSION CONTROL AND SEDIMENT CONTROL NOTES

1. THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION AND SEDIMENT DAMAGE TO THE ILLINOIS RIVER AND SENSITIVE ENVIRONMENTAL RESOURCES AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER AFTER EACH MAJOR CONSTRUCTION PHASE.
2. CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE BASIS RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND FORECASTED WEATHER CONDITIONS.
3. THE CONTRACTOR SHALL CONSTRUCT PERMANENT EROSION CONTROL SYSTEMS AND SEEDING AS SOON AS POSSIBLE OR AS DIRECTED BY THE ENGINEER, TO REDUCE THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCE THE AMOUNT OF TEMPORARY EROSION CONTROL SYSTEMS AND TEMPORARY SEEDING NECESSARY. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL ITEMS SHOWN IN THE PLANS CAN BE DELETED. THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL MEASURES SHALL BE REQUIRED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH IDOT STANDARD 280001.
4. STONE RIPRAP, CLASS A4 TO BE USED ON BRIDGE SLOPE WALLS. REFFER TO STRUCTURAL PLANS FOR ADDITIONAL DETAILS.



EROSION CONTROL LEGEND

- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- INLET AND PIPE PROTECTION
- SEEDING, CLASS 2A
- SEEDING, CLASS 3
- HEAVY DUTY EROSION CONTROL BLANKET
- MULCH, METHOD 2
- STONE RIPRAP, CLASS A3

LE LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

| | |
|----------------|-----------|
| DESIGNED - NSA | REVISED - |
| DRAWN - NSA | REVISED - |
| CHECKED - ST | REVISED - |
| DATE - 08/2016 | REVISED - |

PLOT SCALE = 100.0000' / 1" = 100'
PLOT DATE = 10/11/2016

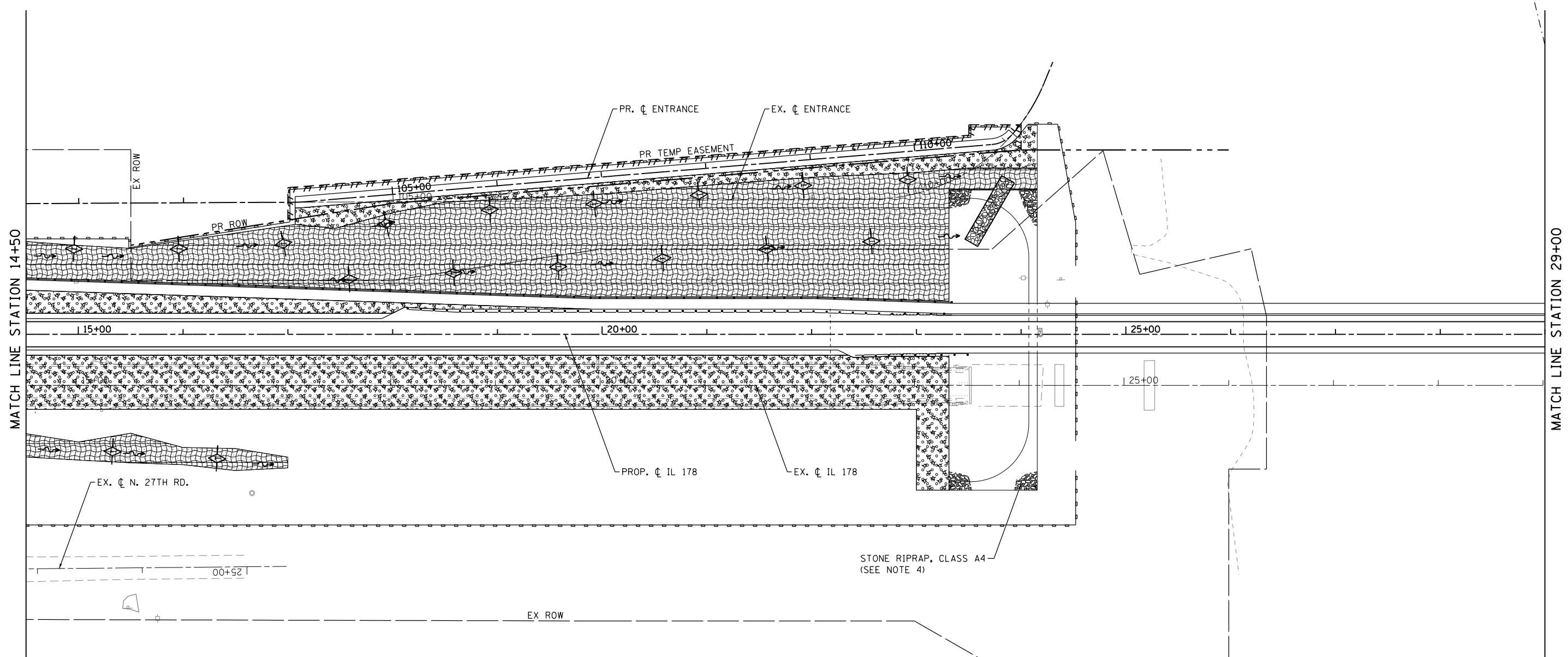
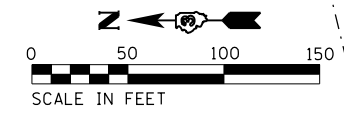
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 178
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET NO. 1 OF 4 SHEETS STA. 0+00.00 TO STA. 14+50.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 171 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MATCH LINE STATION 14+50



EROSION CONTROL LEGEND

- | | | | |
|--|---------------------------|--|------------------------------------|
| | TEMPORARY DITCH CHECKS | | SEEDING, CLASS 3 |
| | PERIMETER EROSION BARRIER | | HEAVY DUTY EROSION CONTROL BLANKET |
| | TEMPORARY FENCE | | MULCH, METHOD 2 |
| | INLET AND PIPE PROTECTION | | STONE RIPRAP, CLASS A3 |
| | SEEDING, CLASS 2A | | |

LE LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

| | |
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| DESIGNED - NSA | REVISED - |
| DRAWN - NSA | REVISED - |
| CHECKED - ST | REVISED - |
| DATE - 08/2016 | REVISED - |

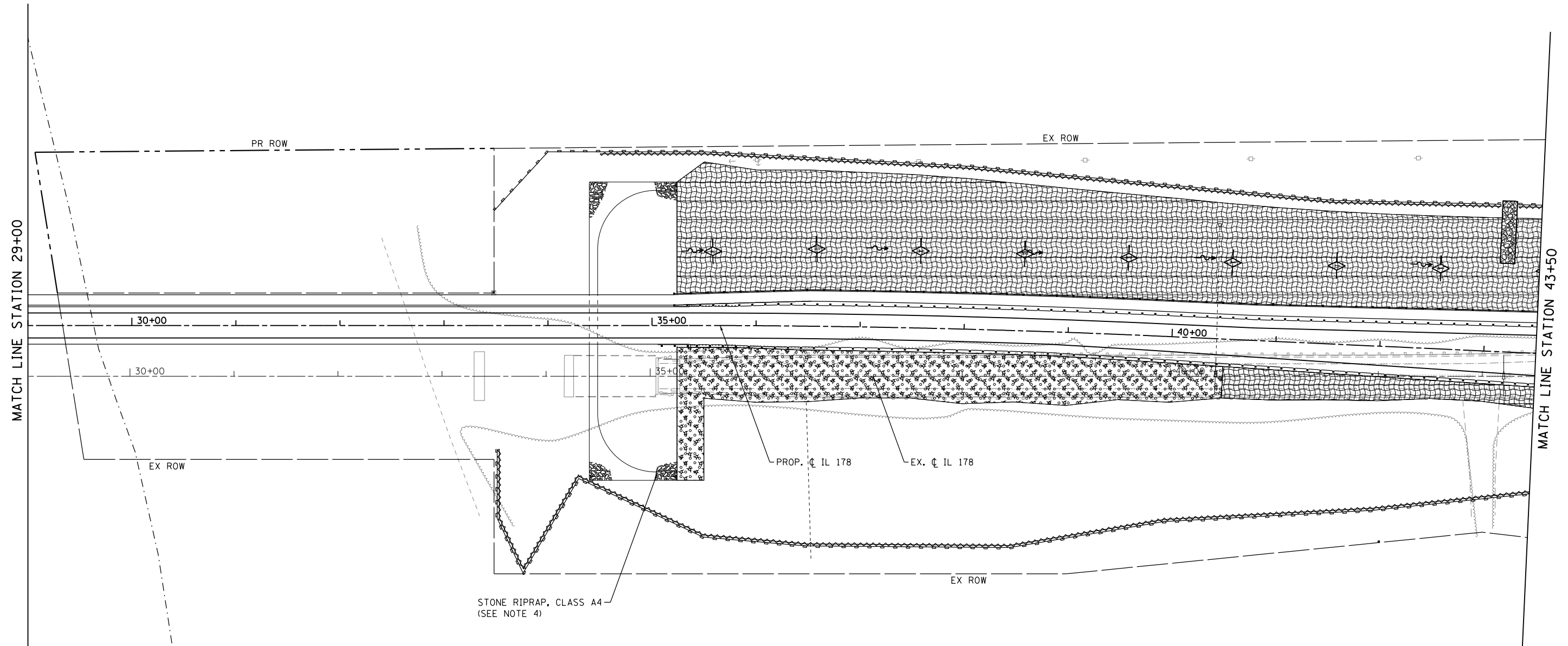
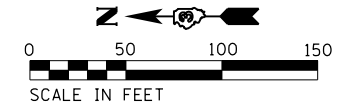
PLOT SCALE = 100.0000' / 1" = 100'
PLOT DATE = 10/10/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










**ILLINOIS ROUTE 178
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET NO. 2 OF 4 SHEETS STA. 14+50.00 TO STA. 29+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 172 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



EROSION CONTROL LEGEND

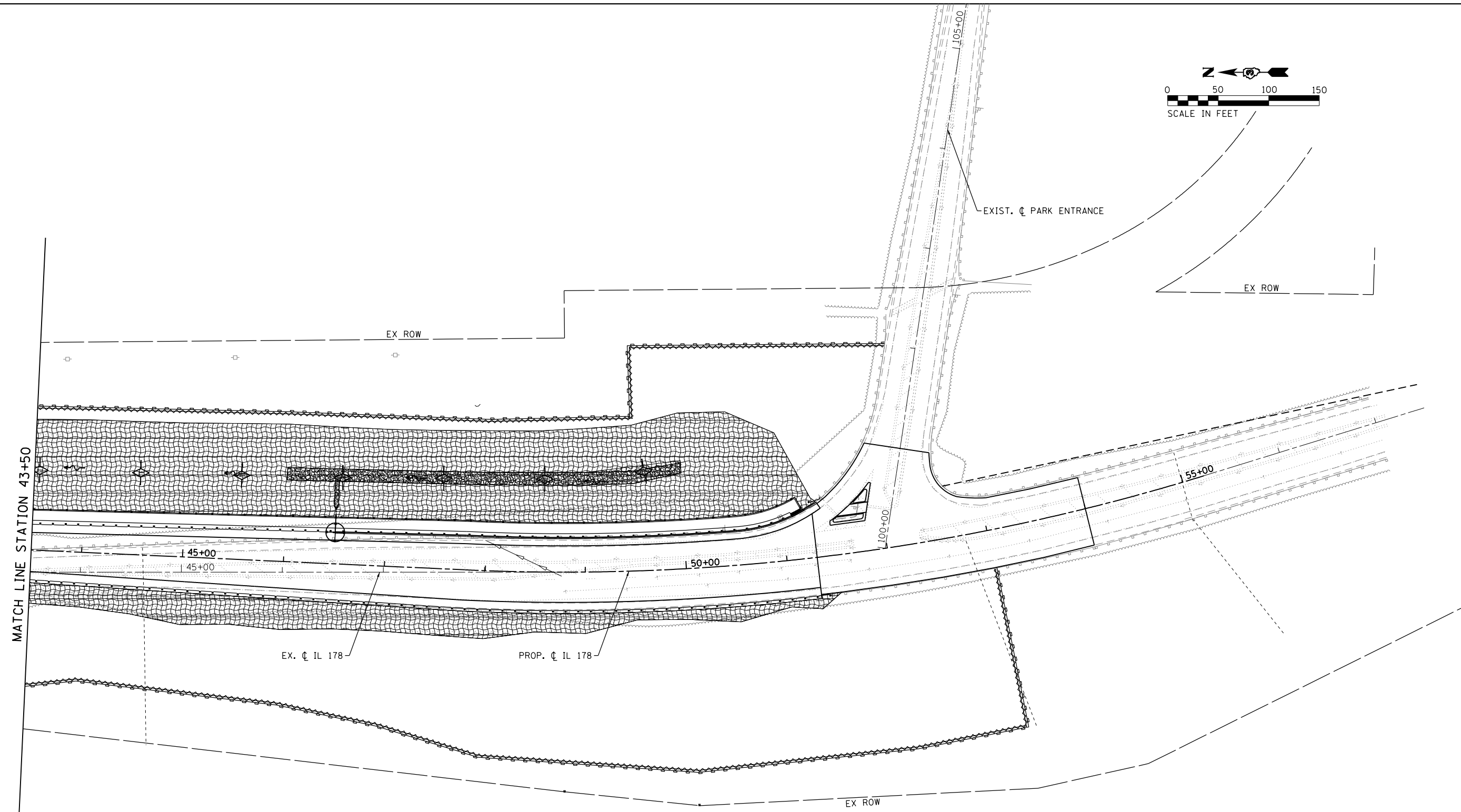
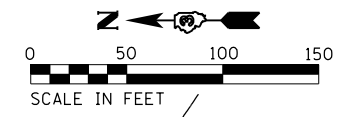
-  TEMPORARY DITCH CHECKS
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE
-  INLET AND PIPE PROTECTION
-  SEEDING, CLASS 2A
-  SEEDING, CLASS 3
-  HEAVY DUTY EROSION CONTROL BLANKET
-  MULCH, METHOD 2
-  STONE RIPRAP, CLASS A3

STONE RIPRAP, CLASS A4
(SEE NOTE 4)










PROP. IL 178 EX. IL 178

| | |
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| DESIGNED - NSA | REVISED - |
| DRAWN - NSA | REVISED - |
| CHECKED - ST | REVISED - |
| DATE - 08/2016 | REVISED - |

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 173 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



EROSION CONTROL LEGEND

-  TEMPORARY DITCH CHECKS
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE
-  INLET AND PIPE PROTECTION
-  SEEDING, CLASS 2A
-  SEEDING, CLASS 3
-  HEAVY DUTY EROSION CONTROL BLANKET
-  MULCH, METHOD 2
-  STONE RIPRAP, CLASS A3

LE LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

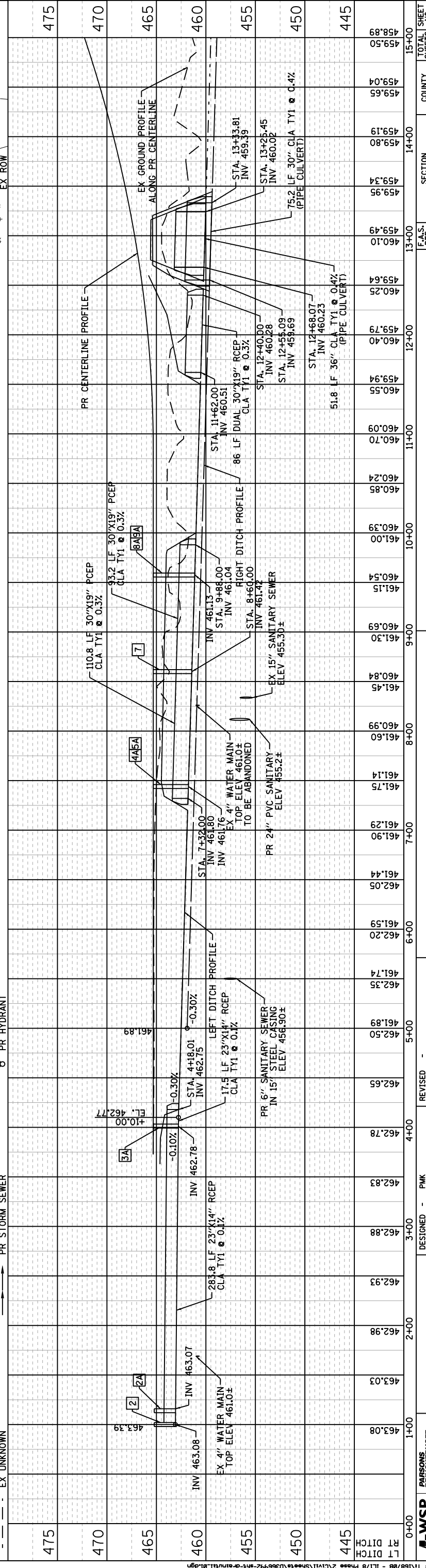
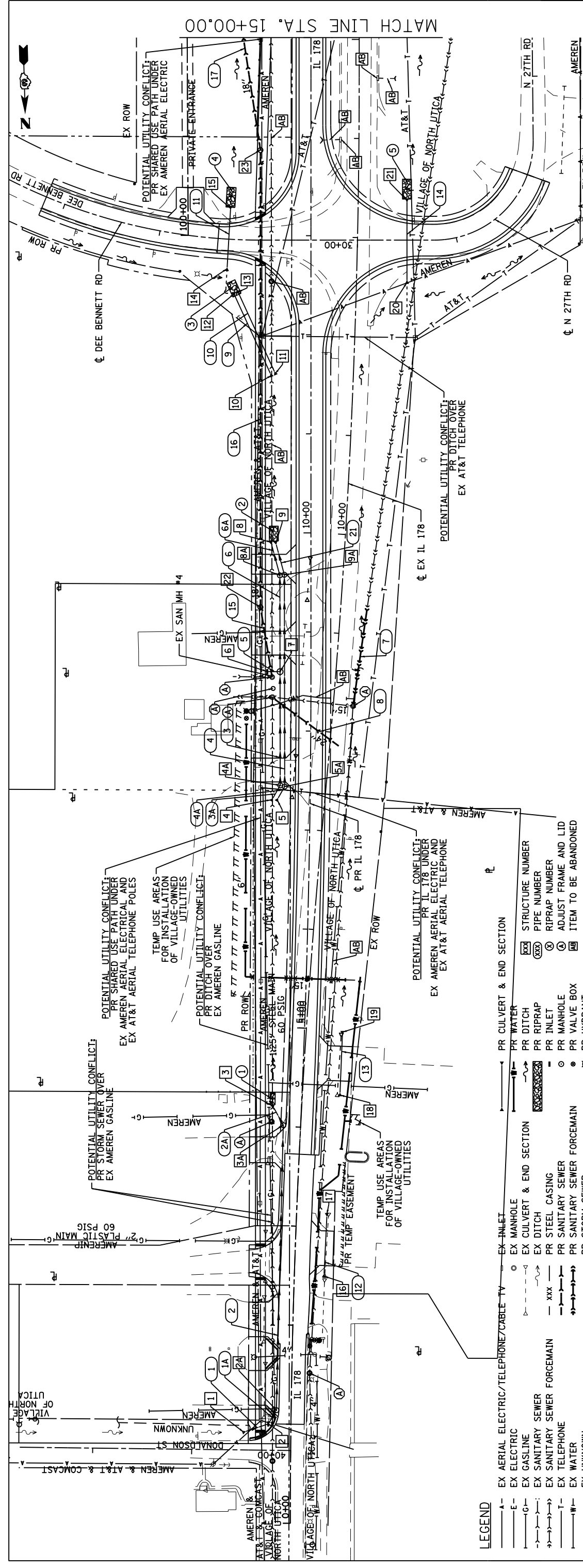
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|----------------|-----------|
| DESIGNED - NSA | REVISED - |
| DRAWN - NSA | REVISED - |
| CHECKED - ST | REVISED - |
| DATE - 08/2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

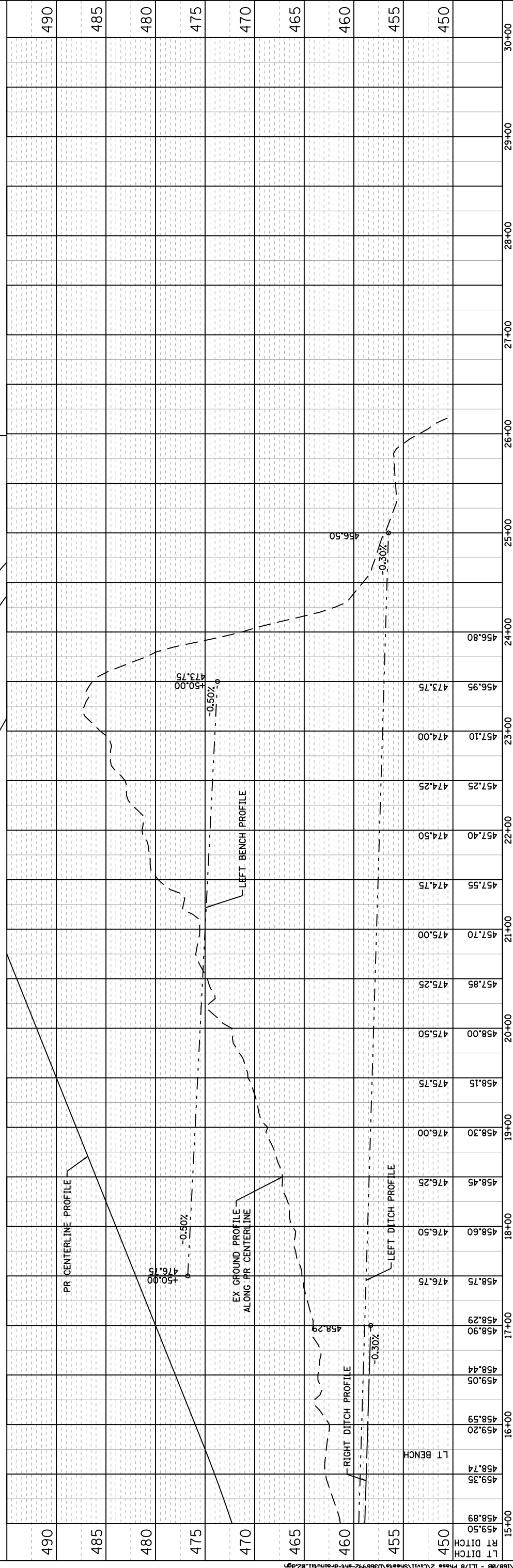
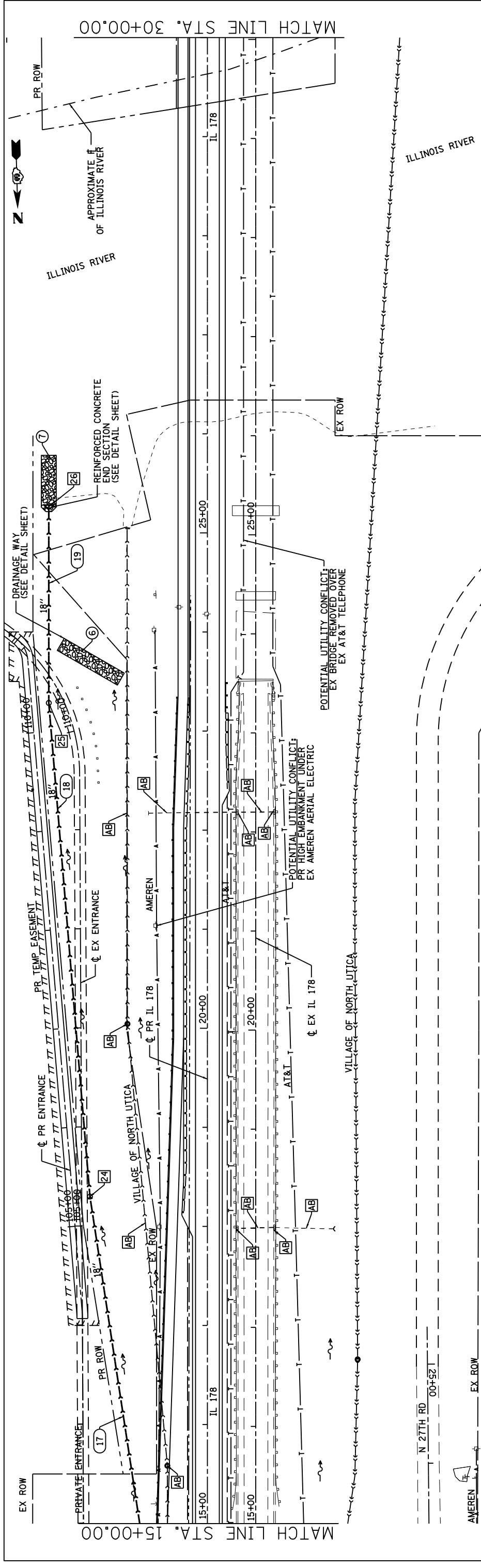
**ILLINOIS ROUTE 178
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET NO. 4 OF 4 SHEETS STA. 43+50.00 TO STA. 51+30.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 174 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

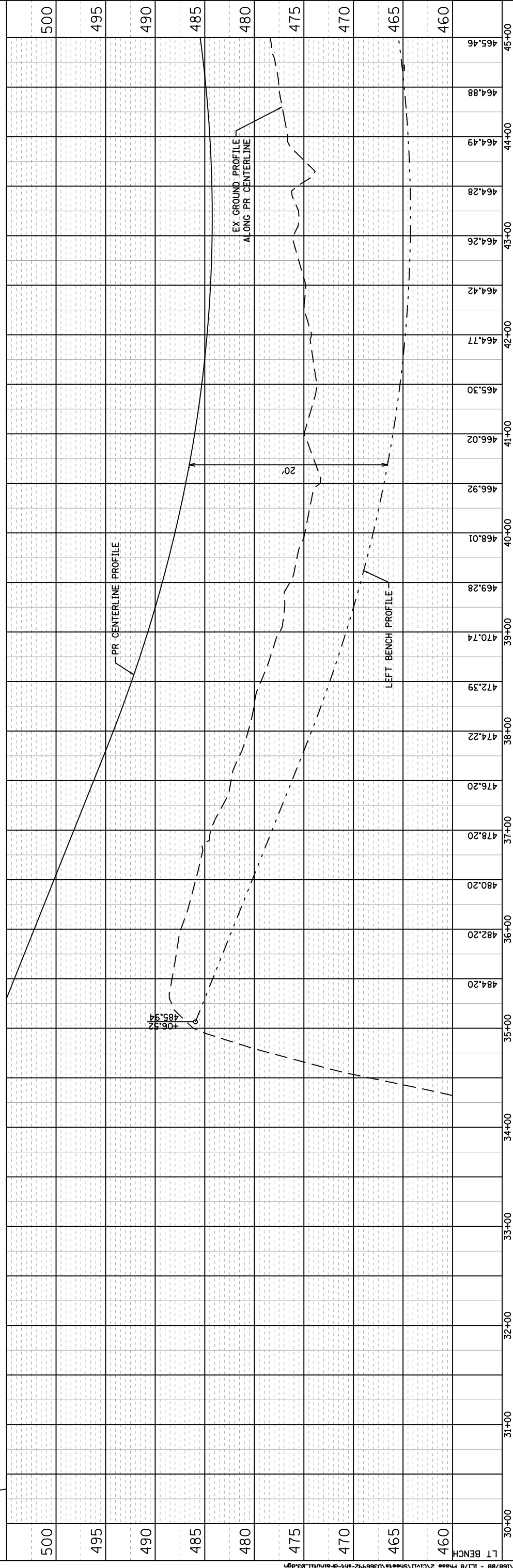
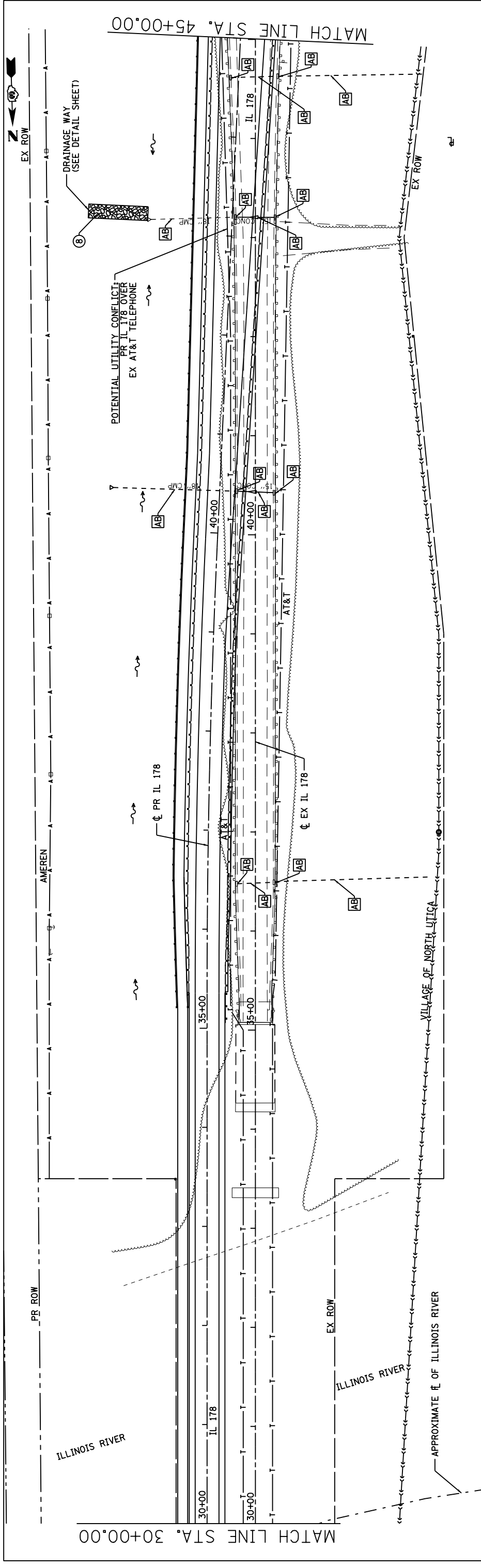


| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | DRAINAGE AND UTILITY PLAN | |
|---|-----------|---------------------------|--------------------|
| DESIGNED - PKM | REVISED - | SECTION (1) BR & I | |
| DRAWN - ACL | REVISED - | F.A.S. RTE. 1279 | TOTAL SHEETS 15+00 |
| CHECKED - WRP | REVISED - | COUNTY LASALLE | COUNTY SHEETS 430 |
| DATE - 8/5/2016 | REVISED - | CITY CONTRACT NO. 66992 | SHEET NO. 1 OF 5 |
| USER NAME = lmaree | | ILLINOIS FED. AID PROJECT | TO STA. 15+00 |
| PLOT SCALE = 1/8" = 1'-0" | | | |
| PLOT DATE = 8/5/2016 | | | |

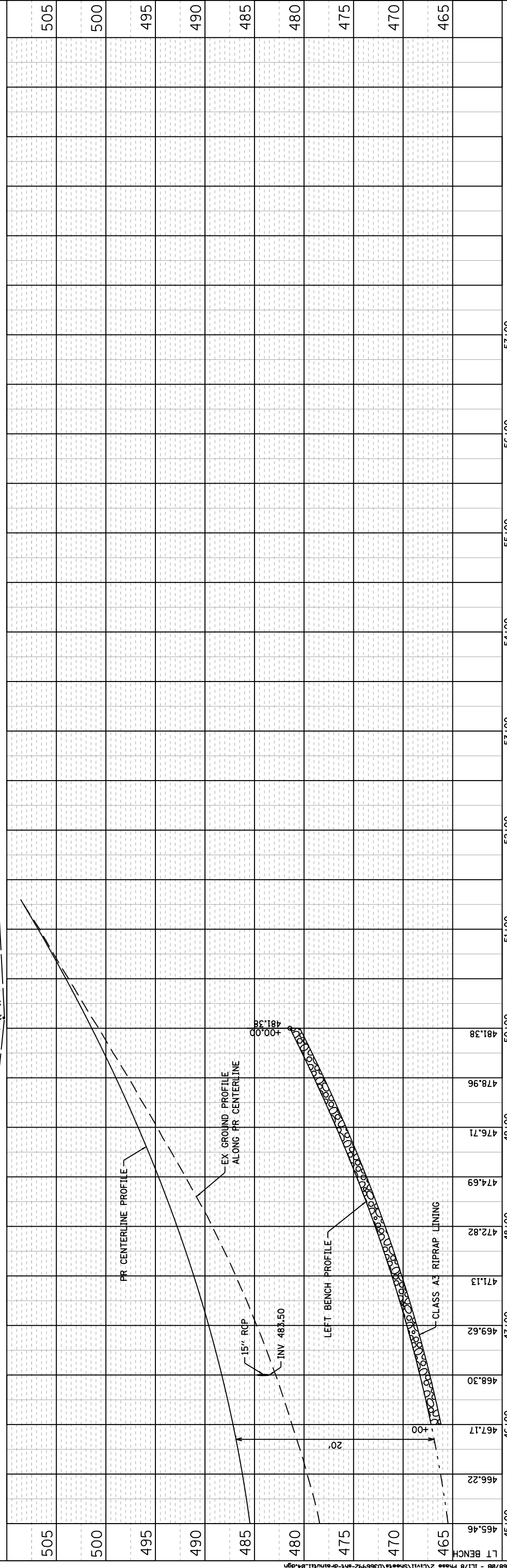
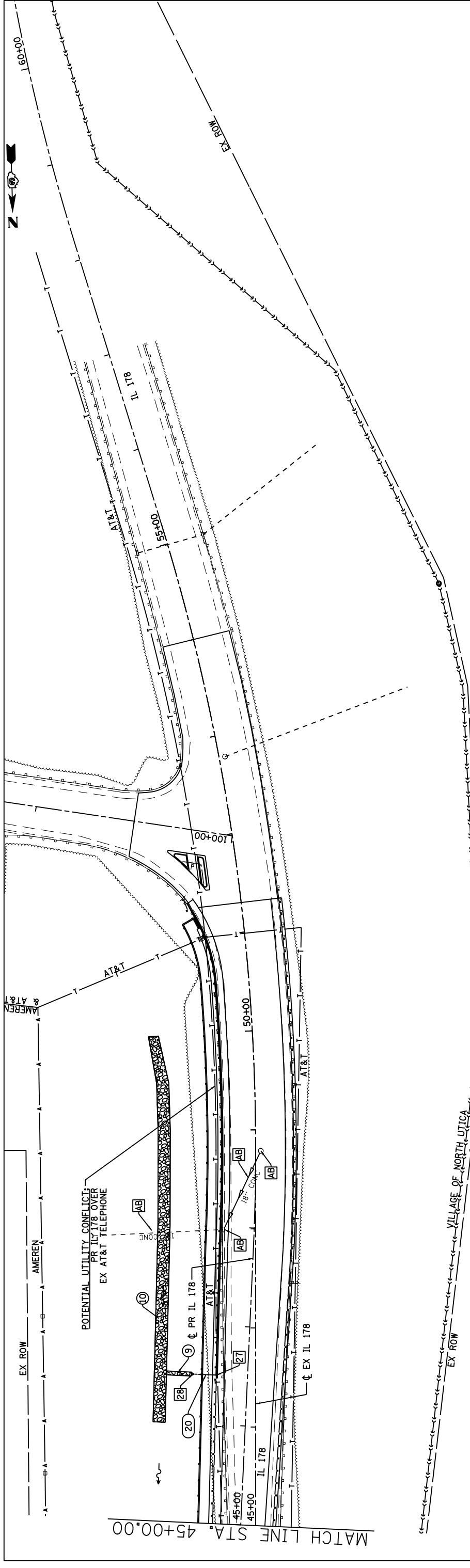


| STATION | ELEVATION | PROFILES |
|---------|-----------|----------|
| 490 | | |
| 485 | | |
| 480 | | |
| 475 | | |
| 470 | | |
| 465 | | |
| 460 | | |
| 455 | | |
| 450 | | |
| 445 | | |
| 440 | | |
| 435 | | |
| 430 | | |
| 425 | | |
| 420 | | |
| 415 | | |
| 410 | | |
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| 155 | | |
| 150 | | |

FILE NAME = T:\168788 - IL178 Phase 2\Civil\Sheet\036992-ht-d-rn\11.02.dgn
 WSP
 BRINCKERHOFF
 30 North LaSalle Street, Suite 4200
 Chicago, IL 60602
 (312) 762-6150 FAX (312) 762-1684
 USER NAME = jones
 PLOT SCALE = 1/8"=1'-0"
 PLOT DATE = 8/5/2016
 DESIGNED - PKM
 DRAWN - ACL
 CHECKED - WRP
 REVISIONS
 REVISION
 REVISION
 REVISION
 REVISION
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DRAINAGE AND UTILITY PLAN
 SHEET NO. 2 OF 5
 SCALE: 1" = 50'
 STA. 15+00 TO STA. 30+00
 COUNTY LASALLE
 CONTRACT NO. 66992
 SECTION (1) BR & I
 F.A.S. RTE. 1279
 TOTAL SHEET NO. 430
 SHEETS 176
 ILLINOIS FED. AID PROJECT



| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | DRAINAGE AND UTILITY PLAN | |
|--|------------------|---|--------------------------|
| SCALE: 1" = 50' | SHEET NO. 3 OF 5 | SHEETS | STA. 30+00 TO STA. 45+00 |
| DESIGNED - PKM DRAWN - ACL CHECKED - WRP DATE - 8/5/2016 | | COUNTY LASALLE SECTION (1) BR & I F.A.S. RITE: 1279 | |
| USER NAME = lmaree PLOT SCALE = 1/8"=1'-0" PLOT DATE = 07-SEP-2016 | | TOTAL SHEETS 430 CONTRACT NO. 66992 ILLINOIS FED. AID PROJECT | |



| STATION | 45+00 | 46+00 | 47+00 | 48+00 | 49+00 | 50+00 | 51+00 | 52+00 | 53+00 | 54+00 | 55+00 | 56+00 | 57+00 |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| LT BENCH | 465.46 | 467.17 | 468.30 | 469.62 | 471.13 | 472.82 | 474.69 | 476.71 | 478.96 | 481.38 | | | |
| 465 | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | |
| 475 | | | | | | | | | | | | | |
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| 495 | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | |
| 505 | | | | | | | | | | | | | |

WSP PARSONS BRINCKERHOFF
 30 North LaSalle Street, Suite 4200
 Chicago, IL 60602 FAX# (312) 782-1684
 USER NAME = jennea
 PLOT SCALE = 1/8"=1'-0"
 PLOT DATE = 8/5/2016

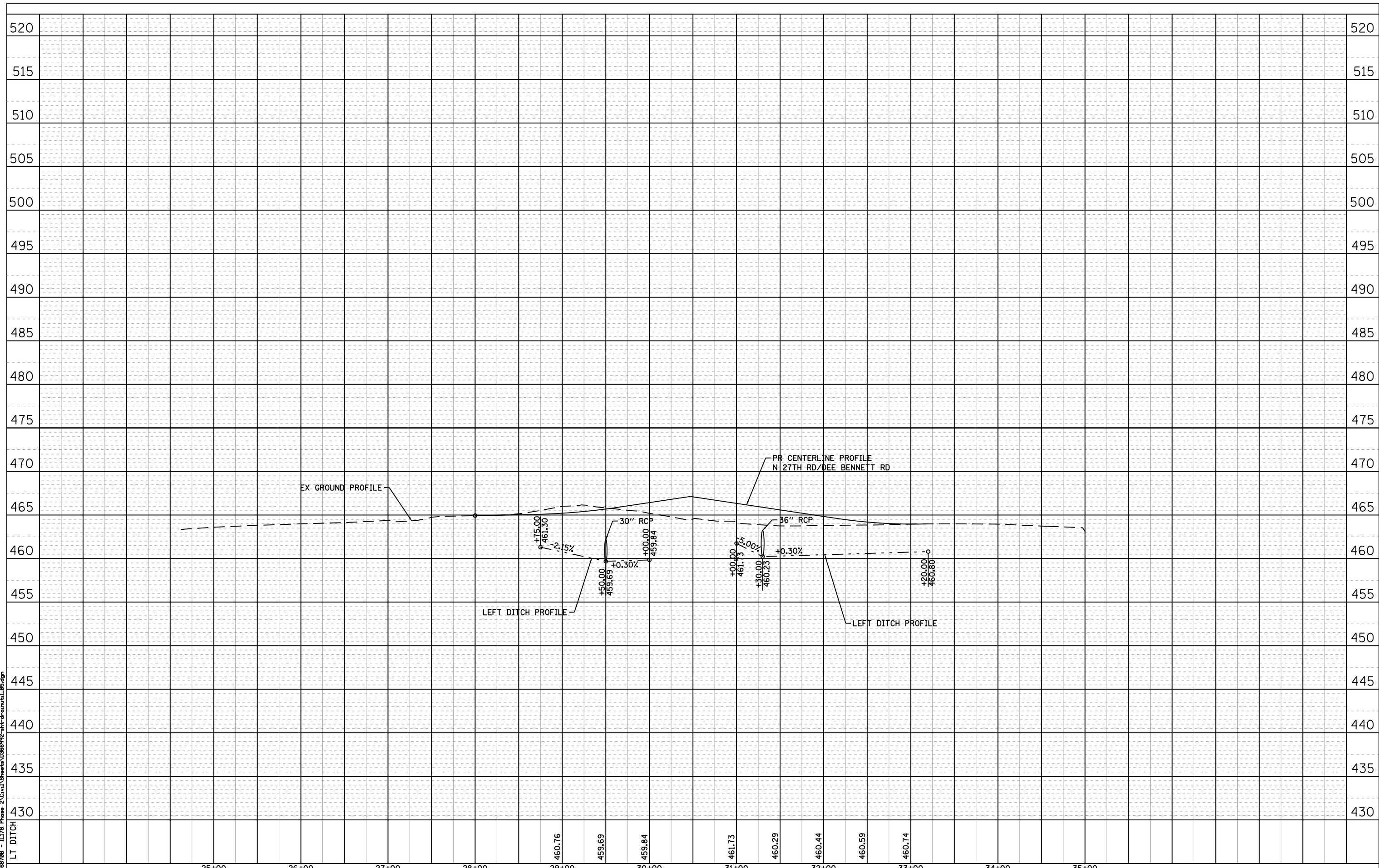
DESIGNED - PKM
 DRAWN - ACL
 CHECKED - WRP
 DATE - 8/5/2016

REVISIONS:
 REVISION -
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.S. RTE. 1279 SECTION (1) BR & I
 COUNTY LASALLE CONTRACT NO. 66992
 ILLINOIS FED. AID PROJECT

DRAINAGE AND UTILITY PLAN
 SHEET NO. 4 OF 5 SHEETS STA. 45+00 TO STA. 60+00
 SCALE: 1" = 50'



FILE NAME = T:\168788 - IL178 Phase 2\Civil\Sheets\036692-ht-drumutl1.95.dgn

| | | | | | | | | | | | |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 25+00 | 26+00 | 27+00 | 28+00 | 29+00 | 30+00 | 31+00 | 32+00 | 33+00 | 34+00 | 35+00 | |
| | | | | 460.76 | 459.69 | 459.84 | 461.73 | 460.29 | 460.44 | 460.59 | 460.74 |

| | | | | | | | | | | | |
|---|-------------------------------|-----------------|---|----------------------------------|-------------|---------------------------|------------|--------------|-----------|-----|--|
| <p>30 North LaSalle Street, Suite 4200 Chicago, IL 60602 (312) 782-8150 FAX# (312) 782-1684</p> | DESIGNED - PMK | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE AND UTILITY PLAN | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| | USER NAME = lanea | DRAWN - ACL | | | REVISED - | 1279 | (1) BR & I | LASALLE | 430 | 179 | |
| | PLOT SCALE = 100.0000' / 1" = | CHECKED - WRP | | | REVISED - | CONTRACT NO. 66992 | | | | | |
| | PLOT DATE = 10-AUG-2016 | DATE - 8/5/2016 | | | REVISED - | ILLINOIS FED. AID PROJECT | | | | | |

| | | | |
|-----------------|-------------------------|------------|---------------|
| SCALE: 1" = 50' | SHEET NO. 5 OF 5 SHEETS | STA. 28+00 | TO STA. 33+20 |
|-----------------|-------------------------|------------|---------------|



PARCEL 3WW0001

BARRY RUSSELL

TOTAL HOLDING = 43,560 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 6,570 SQ. FT. +/-
 AREA IN EXIST. R.O.W. = 5,190 SQ. FT. +/-
 NET AREA REQUIRED = 1,380 SQ. FT. +/-
 REMAINDER = 36,990 SQ. FT. +/-

PARCEL 3WW0002

DARRELL E. CULJAN, et ux.

TOTAL HOLDING = 43,560 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 5,482 SQ. FT. +/-
 AREA IN EXIST. R.O.W. = 4,469 SQ. FT. +/-
 NET AREA REQUIRED = 1,013 SQ. FT. +/-
 REMAINDER = 38,078 SQ. FT. +/-

PARCEL 3WW0003

VILLAGE OF NORTH UTICA

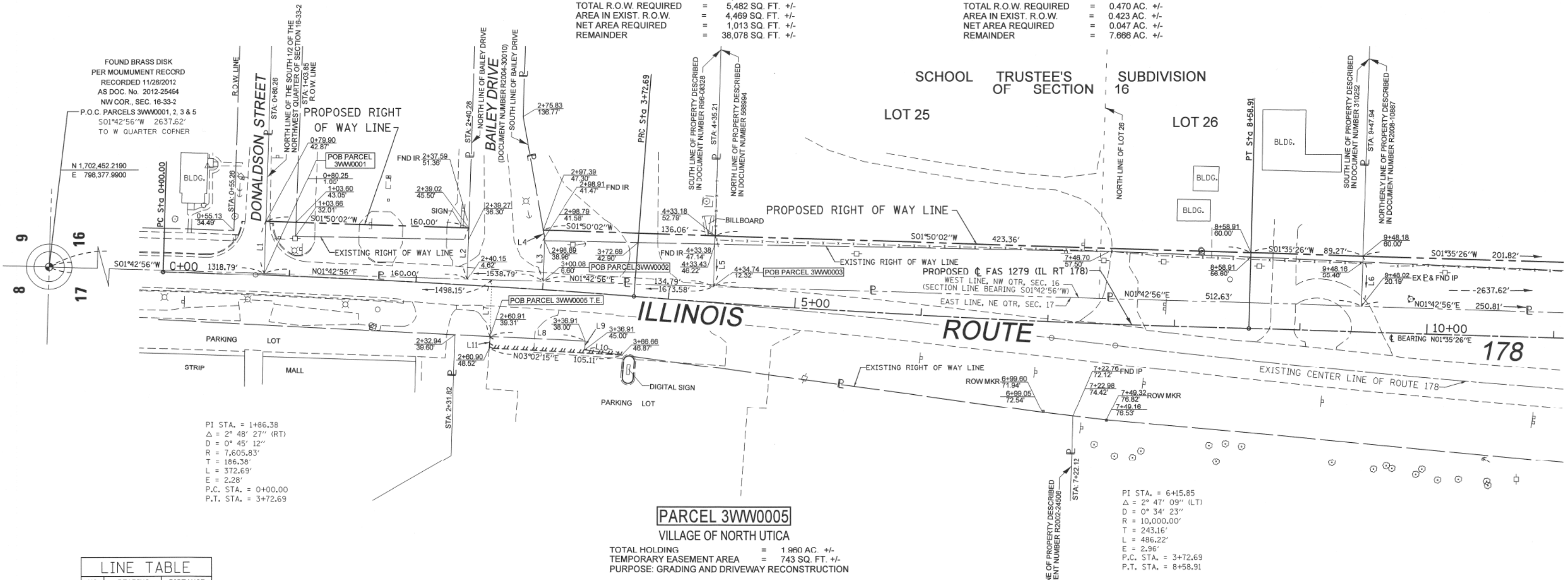
TOTAL HOLDING = 8,136 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.470 AC. +/-
 AREA IN EXIST. R.O.W. = 0.423 AC. +/-
 NET AREA REQUIRED = 0.047 AC. +/-
 REMAINDER = 7.666 AC. +/-

PARCEL 3WW0004

JOAN BERNABEI, et al.
 (SEE SHEET 2 FOR AREAS)

NW 1/4 OF SEC. 16, T. 33 N., R. 2 E., 3RD P.M.

NE 1/4 OF SEC. 17, T. 33 N., R. 2 E., 3RD P.M.



| LINE TABLE | | |
|------------|-------------|----------|
| NO. | BEARING | DISTANCE |
| L1 | S88°13'34"E | 41.22' |
| L2 | N88°13'20"W | 40.89' |
| L3 | S88°17'04"E | 35.00' |
| L4 | N80°01'23"E | 5.89' |
| L5 | N88°10'38"W | 40.49' |
| L6 | N88°10'38"W | 39.81' |
| L7 | N88°17'04"W | 44.54' |
| L8 | S02°49'53"W | 75.63' |
| L9 | N85°53'23"W | 7.00' |
| L10 | S07°50'54"W | 29.63' |
| L11 | S86°26'08"E | 9.21' |

PI STA. = 1+86.38
 Δ = 2° 48' 27" (RT)
 D = 0° 45' 12"
 R = 7,605.83'
 T = 186.38'
 L = 372.69'
 E = 2.28'
 P.C. STA. = 0+00.00
 P.T. STA. = 3+72.69

PI STA. = 6+15.85
 Δ = 2° 47' 09" (LT)
 D = 0° 34' 23"
 R = 10,000.00'
 T = 243.16'
 L = 486.22'
 E = 2.96'
 P.C. STA. = 3+72.69
 P.T. STA. = 8+58.91

PARCEL 3WW0005

VILLAGE OF NORTH UTICA

TOTAL HOLDING = 1,960 AC. +/-
 TEMPORARY EASEMENT AREA = 743 SQ. FT. +/-
 PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION



SURVEYOR'S STATEMENT

I, PETER V. BURBULY, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.S. ROUTE 1279 (IL RT 178) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____
 BY _____
 PETER V. BURBULY, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2014)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.
 GRID TO GROUND COMBINED FACTOR = 1.00001327
 TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

| | | | | | | | | | | | |
|---|-----------------------|------------|---|---|--------------------|---------------------|-------------------------------|---------|--------------------|--------------|-----------|
| FILE NAME | USER NAME = burbulypv | DESIGNED - | REVISED 7/17/15 PVB PI NAME CHANGE | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RIGHT OF WAY PLANS | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pwi\NL084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\0366\Drawings\bandAcq\0366992-Sheet01.dgn | | CHECKED - | REVISED 5/11/16 PVB PI STA/OFFSET LABEL | | PROJECT | JOB NO. R-93-008-11 | 1279 | (1)BR&I | LASALLE | 430 | 180 |
| | | DATE | REVISED - | | SCALE: 1" = 40' | SHEET 1 OF 5 SHEETS | STA. 0+00.00 TO STA. 11+00.00 | | CONTRACT NO. 66992 | | |
| | | | | | | | ILLINOIS FED. AID PROJECT | | | | |



NW 1/4 OF SEC. 16,
T. 33 N., R. 2 E., 3RD P.M.

SW 1/4 OF SEC. 16, T. 33 N., R. 2 E., 3RD P.M.

PARCEL 3WW0004

JOAN BERNABEI, et al.

| | | |
|--|---------------|-----------------|
| TOTAL HOLDING | = | 262.800 AC. +/- |
| R.O.W. REQUIRED TRACT 1 | = | 0.244 AC. +/- |
| AREA IN EXIST. R.O.W. | = | 0.195 AC. +/- |
| NET R.O.W. REQUIRED TRACT 1 | = | 0.049 AC. +/- |
| R.O.W. REQUIRED TRACT 2 | = | 0.019 AC. +/- |
| R.O.W. REQUIRED TRACT 3 | = | 1.671 AC. +/- |
| TOTAL R.O.W. REQUIRED | = | 1.934 AC. +/- |
| REMAINDER | = | 260.866 AC. +/- |
| TEMPORARY EASEMENT AREA= | 0.350 AC. +/- | |
| PURPOSE: GRADING & DRIVEWAY RELOCATION | | |

PARCEL 3WW0004

JOAN BERNABEI, et al.

PROPOSED RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING RIGHT OF WAY LINE
(SECTION LINE BEARING S01°42'56"W)

WEST LINE, NW QTR, SEC. 16
(SECTION LINE BEARING S01°42'56"W)

EAST LINE, NE QTR, SEC. 17

PROPOSED RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING LANE

PROPOSED FAS 1279 (IL RT 178)
BEARING N01°35'26"E

ILLINOIS ROUTE 178

178

EXISTING CENTER LINE OF ROUTE 178

EXISTING RIGHT OF WAY LINE

| LINE TABLE | | |
|------------|-------------|----------|
| NO. | BEARING | DISTANCE |
| L1 | N49°47'42"W | 35.51' |
| L2 | N88°17'04"W | 32.61' |
| L3 | N49°47'42"W | 14.22' |
| L4 | S16°26'37"W | 5.00' |
| L5 | S25°17'44"W | 2.37' |
| L6 | S88°24'34"E | 31.01' |

NE 1/4 OF SEC. 17,
T. 33 N., R. 2 E., 3RD P.M.

SE 1/4 OF SEC. 17,
T. 33 N., R. 2 E., 3RD P.M.

SURVEYOR'S STATEMENT

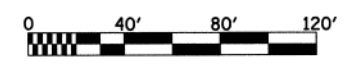
I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.S. ROUTE 1279 (IL 178) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



DATED _____

BY _____

PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2014)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.
GRID TO GROUND COMBINED FACTOR = 1.00001327
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

| | | | |
|---|-----------------------------|------------|---------------------------------------|
| FILE NAME p:\IL084EBIDINTEG\Illinois.gov\FWIDOT\Documents\DOT Offices\District 3\Projects\0366-DR\Drawings\bandAcq\0366992-Sheet02.dgn | USER NAME = burbulyspv | DESIGNED - | REVISED 5-18-15 JJC P4 TR. 1 NET AREA |
| | | CHECKED - | REVISED 5-22-15 PVB ADD P6 |
| | PLOT SCALE = 40.0000' / in. | DATE - | REVISED 6-02-15 PVB ADD 0 TO PARCELS |
| | PLOT DATE = 6/2/2015 | | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| RIGHT OF WAY PLANS | | | |
|---------------------|---------|--------------------------------|---|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEET NO. |
| 1279 | (1)BR&I | LASALLE | 430 |
| | | | 181 |
| | | | CONTRACT NO. 66992 |
| SCALE: 1" = 40' | PROJECT | JOB NO. R-93-008-11 | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT |
| SHEET 2 OF 5 SHEETS | | STA. 11+00.00 TO STA. 22+50.00 | |

SW 1/4 OF SEC. 16, T. 33 N., R. 2 E., 3RD P.M.

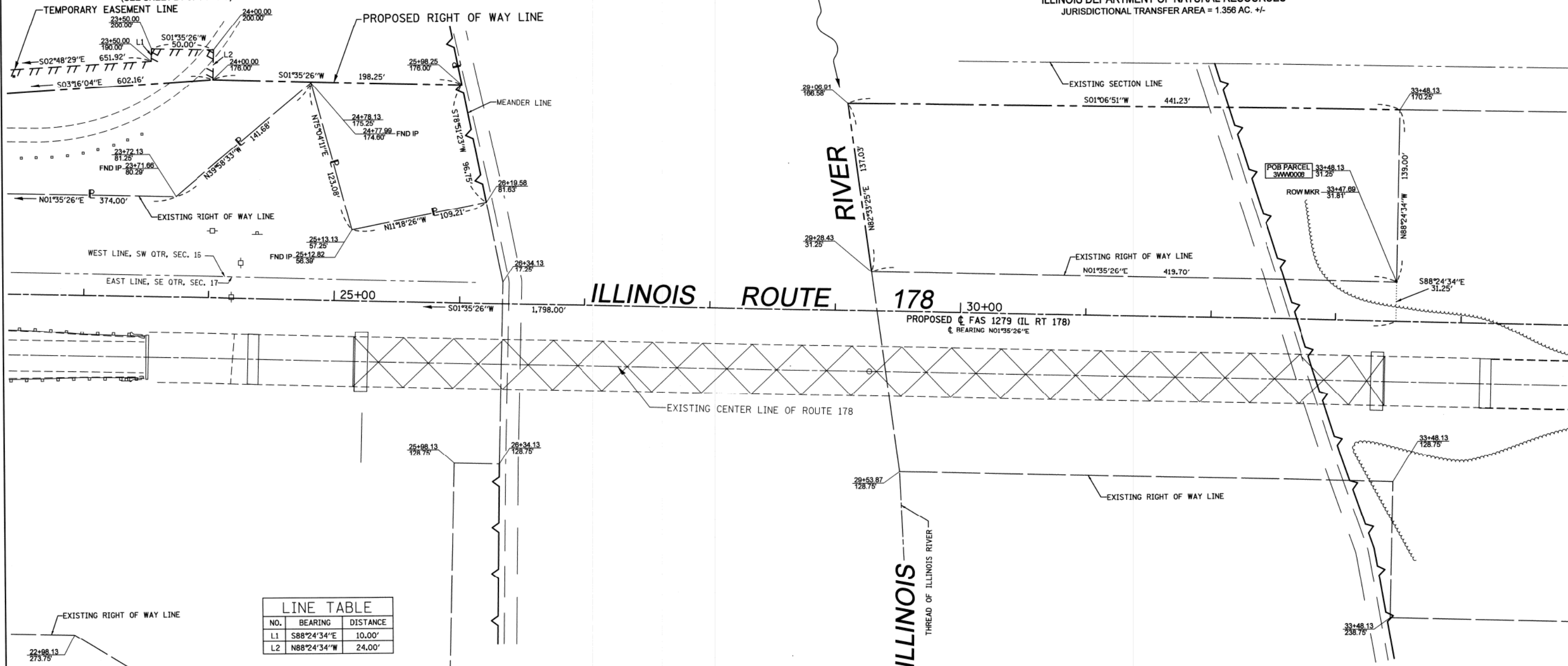


PARCEL 3WW0004

JOAN BERNABEI, et al.
(SEE SHEET 2 FOR AREAS)

PARCEL 3WW0006

ILLINOIS DEPARTMENT OF NATURAL RESOURCES
JURISDICTIONAL TRANSFER AREA = 1.356 AC. +/-



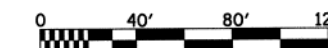
| LINE TABLE | | |
|------------|--------------|----------|
| NO. | BEARING | DISTANCE |
| L1 | S88°24'34\"E | 10.00' |
| L2 | N88°24'34\"W | 24.00' |

SE 1/4 OF SEC. 17, T. 33 N., R. 2 E., 3RD P.M.

SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.S. ROUTE 1279 (IL RT 178) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____
BY PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2014)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.
GRID TO GROUND COMBINED FACTOR = 1.00001327
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

| | | | |
|-----------|-----------------------------|------------|--------------------------------------|
| FILE NAME | USER NAME = burbulyspv | DESIGNED - | REVISED 5-22-15 PVB ADD P6 |
| | | DRAWN | REVISED 5-29-15 PVB CORRECT NAME P6 |
| | PLOT SCALE = 40.0000' / 1\" | CHECKED - | REVISED 6-02-15 PVB ADD 0 TO PARCELS |
| | PLOT DATE = 6/2/2015 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS

| | |
|--------------------------------|---------------------|
| PROJECT | JOB NO. R-93-008-11 |
| SCALE: 1\" = 40' | SHEET 3 OF 5 SHEETS |
| STA. 22+50.00 TO STA. 34+50.00 | |

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|---------|--------------------|-----------|
| 1279 | (1)B&I | LASALLE | 430 | 182 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66992 | |



SW 1/4 OF SEC. 16, T. 33 N., R. 2 E., 3RD P.M.

NW 1/4 OF SEC. 21,
T. 33 N., R. 2 E., 3RD P.M.

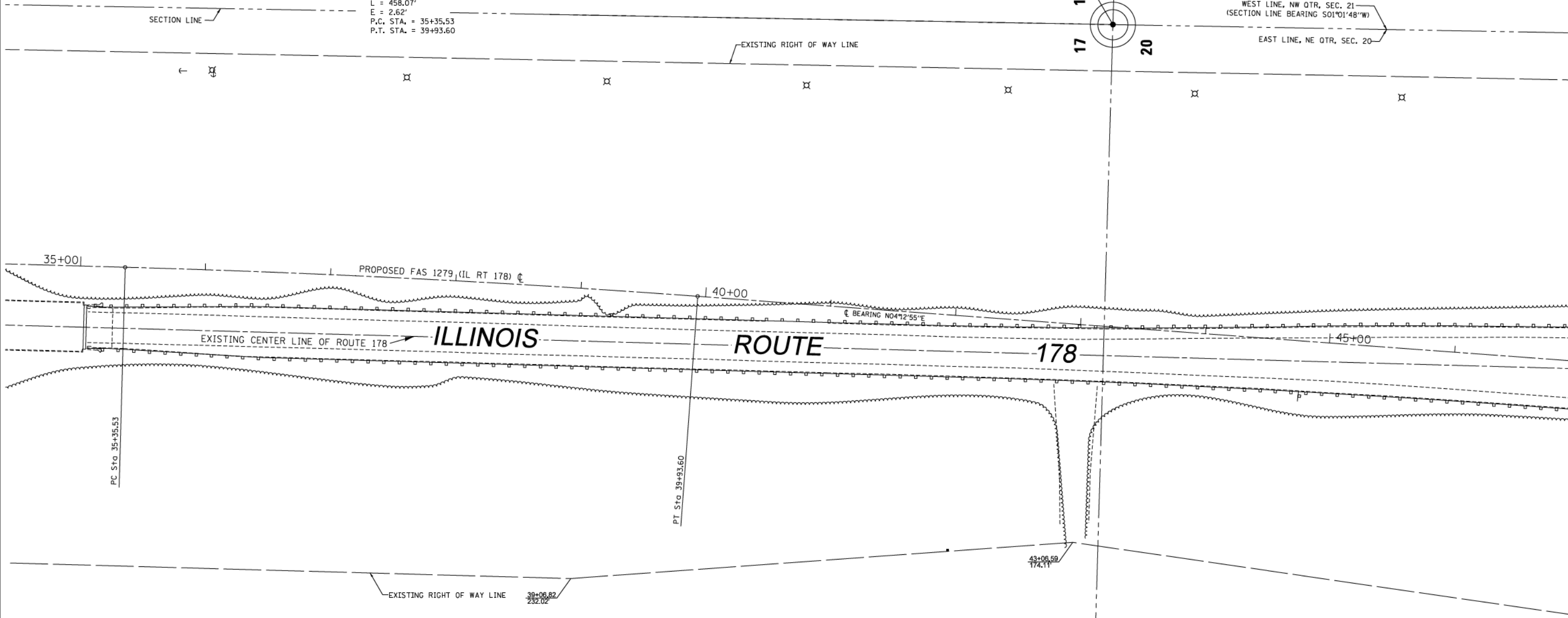
PI STA. = 37+64.61
 $\Delta = 2^\circ 37' 28''$ (RT)
 D = 0° 34' 23"
 R = 10,000.00'
 T = 229.08'
 L = 458.07'
 E = 2.62'
 P.C. STA. = 35+35.53
 P.T. STA. = 39+93.60

SECTION CORNER
 FOUND IRON PIPE
 PER MOUMENT RECORD
 DOC. No. _____
 S01°01'48"W 2708.02'
 TO W QUARTER CORNER
 N 1,696,892.2140
 E 798,414.0770
 STA: 43+08.15 240.51'

SECTION LINE

EXISTING RIGHT OF WAY LINE

WEST LINE, NW QTR, SEC. 21
 (SECTION LINE BEARING S01°01'48"W)
 EAST LINE, NE QTR, SEC. 20



EXISTING CENTER LINE OF ROUTE 178

ILLINOIS

ROUTE

178

NE 1/4 OF SEC. 20,
T. 33 N., R. 2 E., 3RD P.M.

SE 1/4 OF SEC. 17, T. 33 N., R. 2 E., 3RD P.M.

SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.S. ROUTE 1279 (IL 178) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____
 BY _____
 PETER V. BURBULYS, ILLINOIS PROFESSIONAL
 LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2014)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.
 GRID TO GROUND COMBINED FACTOR = 1.00001327
 TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

| | | | |
|--|----------------------------|--------------|-------------|
| FILE NAME | USER NAME = burbulyspv | DESIGNED - - | REVISED - - |
| pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366\BROWNDATA\LandAcq\0366992-Sheet04.dwg | | CHECKED - - | REVISED - - |
| | PLOT SCALE = 40.0000' / 1" | DATE - - | REVISED - - |
| | PLOT DATE = 5/1/2015 | | |

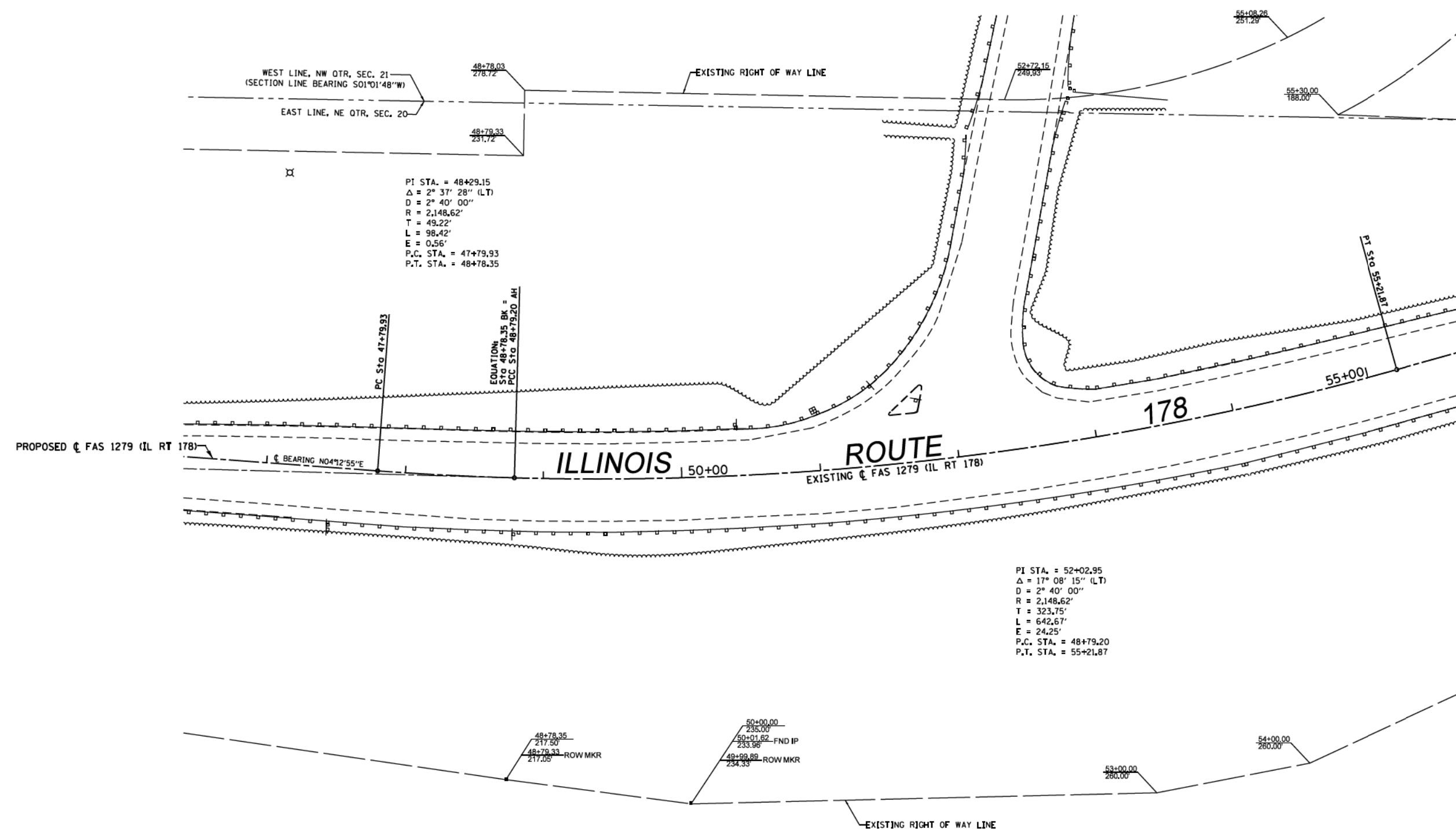
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS

| | | |
|---------------------|--------------------------------|---------------------|
| SCALE: 1" = 40' | PROJECT _____ | JOB NO. R-93-008-11 |
| SHEET 4 OF 5 SHEETS | STA. 34+50.00 TO STA. 46+50.00 | |

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|---------|--------------------|-----------|
| 1279 | (1)BR&I | LASALLE | 430 | 183 |
| FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 66992 | |

NW 1/4 OF SEC. 21, T. 33 N., R. 2 E., 3RD P.M.



NE 1/4 OF SEC. 20, T. 33 N., R. 2 E., 3RD P.M.

SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.S. ROUTE 1279 (IL 178) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

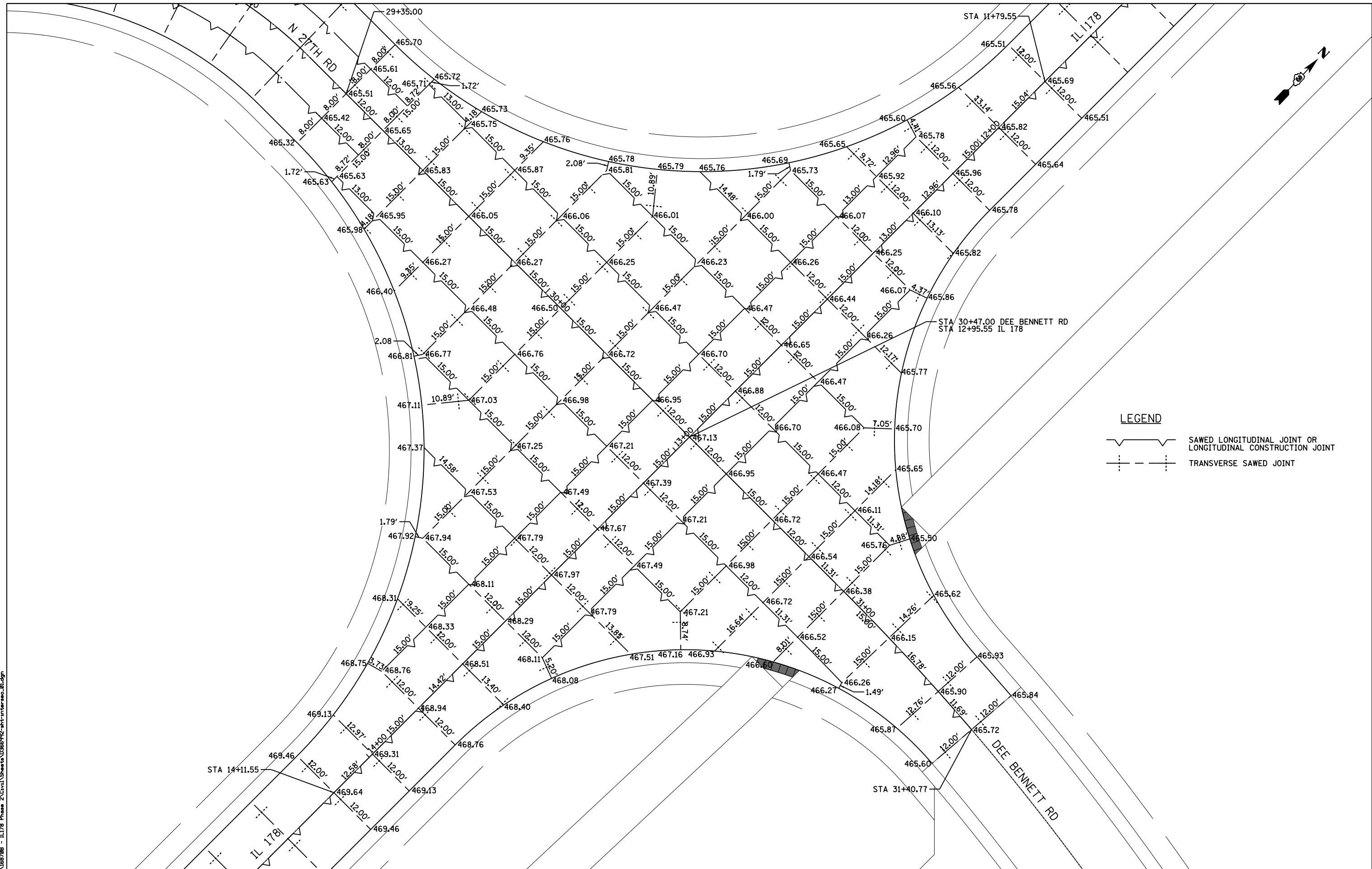
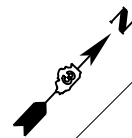


DATED _____
BY
PETER V. BURBULYS, ILLINOIS PROFESSIONAL
LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2014)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)
ALL AREAS ARE BASED ON GROUND DISTANCES.
GRID TO GROUND COMBINED FACTOR = 1.00001327
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

| | | | | | | | | | | | |
|---|------------------------------|----------|---------|---|---------------------|--------------------------------|---------------------|----------|------------------|--------------------|-----------|
| FILE NAME ca\pw\work\p\idot\burbulyspv\d0163836\036992-Sheet05.dgn | USER NAME | DESIGNED | REVISED | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RIGHT OF WAY PLANS | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = 48,0000' / 1" = | DRAWN | REVIS | | PROJECT | JOB NO. | 1279 | (1)BR&I | LASALLE | 430 | 184 |
| PLOT DATE = 3/6/2015 | CHECKED | REVIS | REVIS | SCALE: 1" = 40' | SHEET 5 OF 5 SHEETS | STA. 46+50.00 TO STA. 55+50.00 | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | CONTRACT NO. 66992 | |



LEGEND

| | |
|--|---|
| | SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT |
| | TRANSVERSE SAWED JOINT |

FILE NAME = T:\UGB788 - IL178 Phase 2\Civil\Sheets\0366592-ht-intersec.dwg

WSP PARSONS BRINCKERHOFF
 30 North LaSalle Street, Suite 4200
 Chicago, IL 60602
 (312) 782-8150 FAX# (312) 782-1684

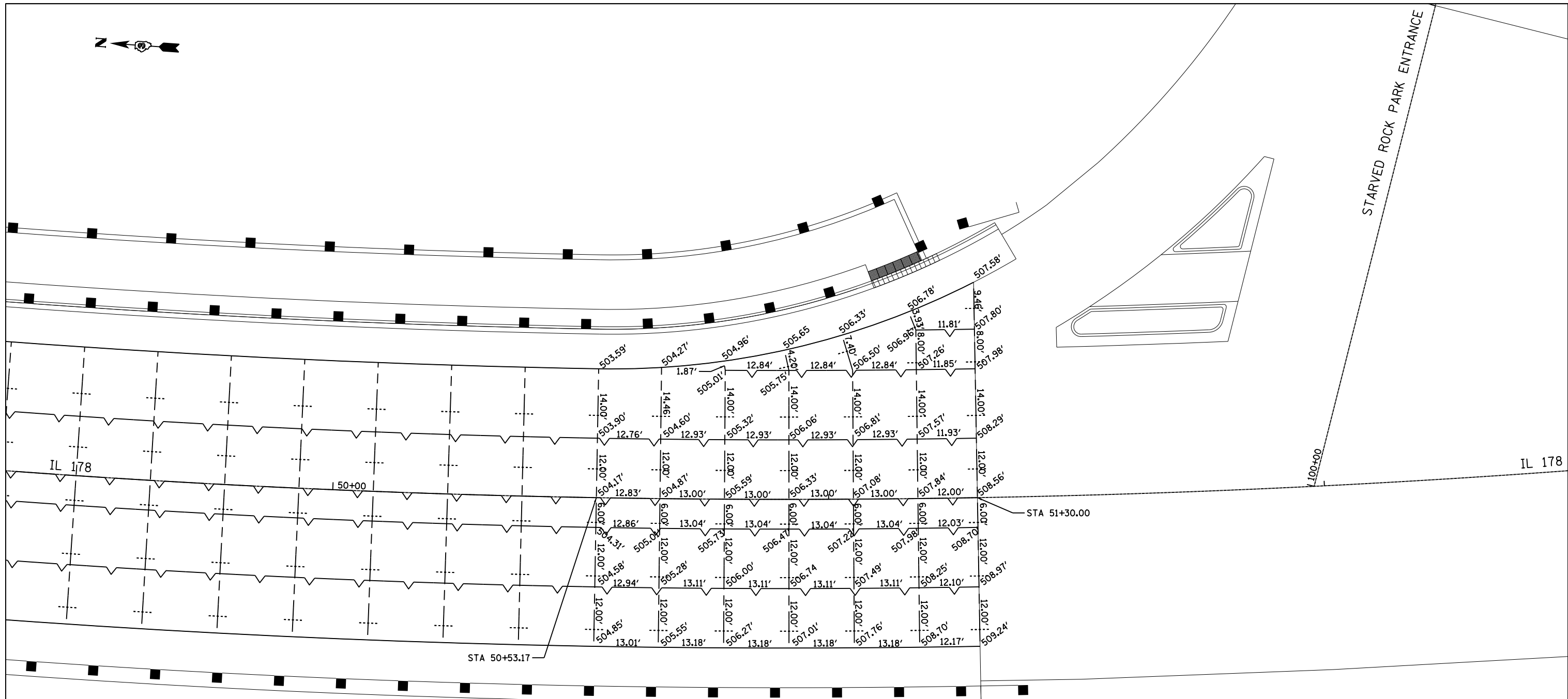
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|----------------------------|-----------------|-----------|
| USER NAME = lones | DESIGNED - ACL | REVISED - |
| | DRAWN - ACL | REVISED - |
| PLOT SCALE = 28.0000' / 1" | CHECKED - WRP | REVISED - |
| PLOT DATE = 03-AUG-2016 | DATE - 8/5/2016 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS
 IL 178 AND DEE BENNETT RD/N 27TH RD**

SCALE: 1" = 10' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 185 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT P-93-035-01 | | | | |



LEGEND

- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
- TRANSVERSE SAWED JOINT

FILE NAME = T:\UGB788 - IL178 Phase 2\Civil\Sheets\036692-ht-intersec_02.dgn

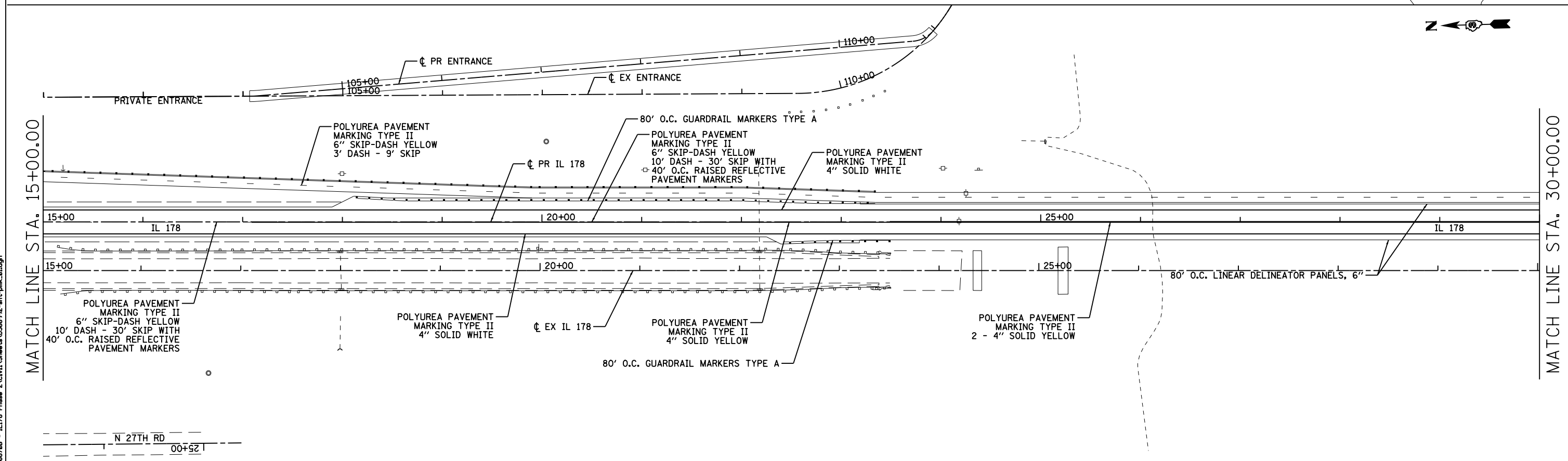
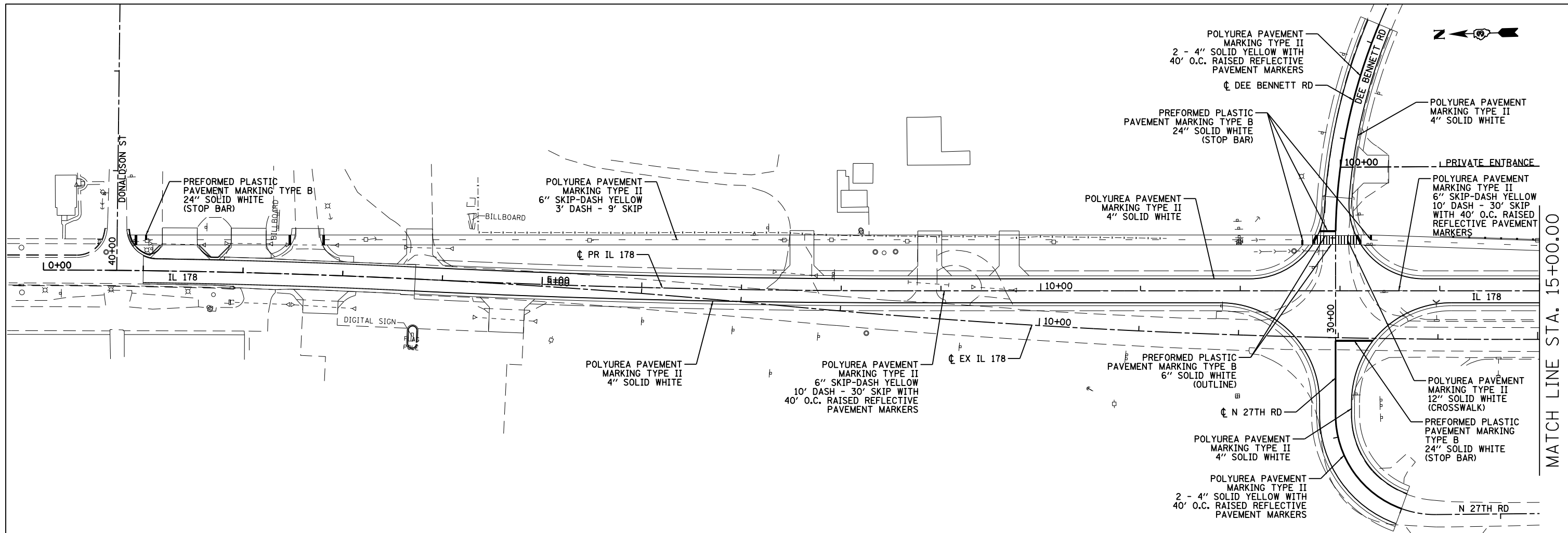
WSP PARSONS BRINCKERHOFF
 30 North LaSalle Street, Suite 4200
 Chicago, IL 60602
 (312) 782-8150 FAX# (312) 782-1684

| | | |
|----------------------------|-----------------|-----------|
| USER NAME = lanes | DESIGNED - ACL | REVISED - |
| | DRAWN - ACL | REVISED - |
| PLOT SCALE = 28.0000' / 1" | CHECKED - WRP | REVISED - |
| PLOT DATE = 03-AUG-2016 | DATE - 8/5/2016 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS
 IL 178 AND STARVED ROCK PARK ENTRANCE**
 SCALE: 1" = 10' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|---------|---------------------------------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 186 |
| CONTRACT NO. 66992 | | | ILLINOIS FED. AID PROJECT P-93-035-01 | |



FILE NAME = T:\UGB788 - IL178 Phase 2\Civil\Sheets\0366992-ht-pmk-bl.dgn

WSP PARSONS BRINCKERHOFF
 30 North LaSalle Street, Suite 4200
 Chicago, IL 60602
 (312) 782-8150 FAX# (312) 782-1684

| | | |
|-------------------------------|-----------------|-----------|
| USER NAME = lones | DESIGNED - ACL | REVISED - |
| | DRAWN - ACL | REVISED - |
| PLOT SCALE = 100.0000' / 1" = | CHECKED - WRP | REVISED - |
| PLOT DATE = 03-AUG-2016 | DATE - 8/5/2016 | REVISED - |

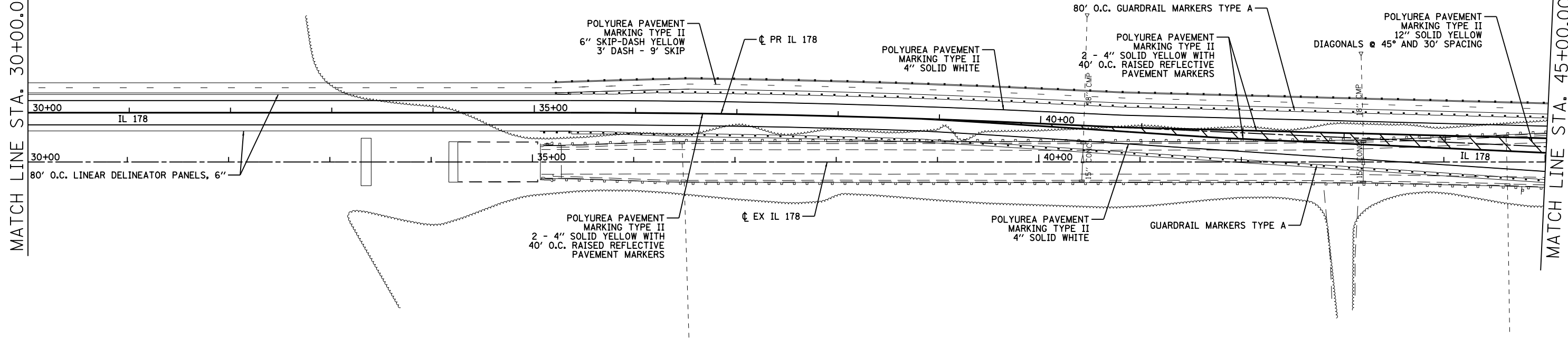
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
 SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 0+00 TO STA. 30+00

| | | | | |
|---------------------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 187 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT P-93-035-01 | | | | |

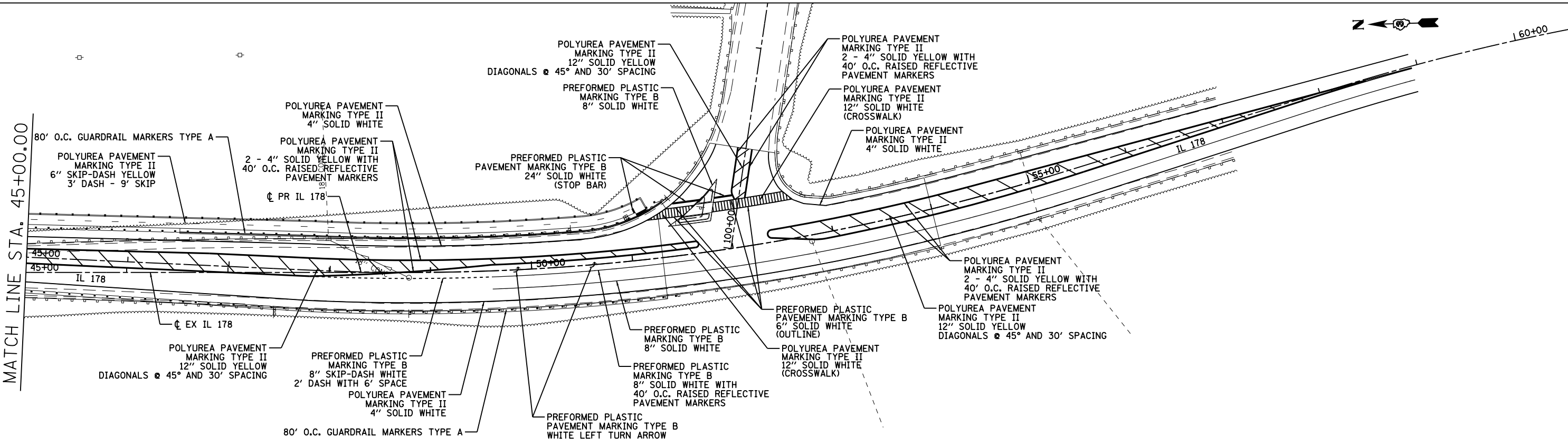
MATCH LINE STA. 30+00.00

MATCH LINE STA. 45+00.00



MATCH LINE STA. 45+00.00

160+00



FILE NAME = T:\1687788 - IL178 Phase 2\Civil\Sheets\0366992-ht-pmk-02.dgn

WSP PARSONS BRINCKERHOFF
 30 North LaSalle Street, Suite 4200
 Chicago, IL 60602
 (312) 782-8150 FAX# (312) 782-1684

| | | |
|-------------------------------|-----------------|-----------|
| USER NAME = lanes | DESIGNED - ACL | REVISED - |
| | DRAWN - ACL | REVISED - |
| PLOT SCALE = 100.0000' / 1" = | CHECKED - WRP | REVISED - |
| PLOT DATE = 03-AUG-2016 | DATE - 8/5/2016 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

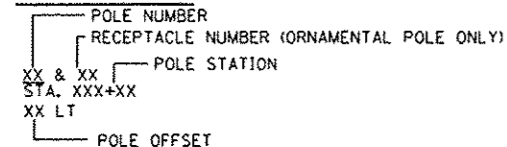
SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 30+00 TO STA. 60+00

| | | | | |
|---------------------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 188 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT P-93-035-01 | | | | |

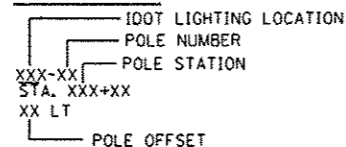
LEGEND

- PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY TRANSFORMER BASE, 45' MOUNTING HEIGHT, ALUMINUM POLE, 15' DAVIT ARM, MEDIUM WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE II
- PROPOSED LIGHTING UNIT, STRUCTURE MOUNTED, 40' MOUNTING HEIGHT, ALUMINUM POLE, 6' DAVIT ARM, MEDIUM WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE II
- PROPOSED NAVIGATION OBSTRUCTION WARNING LUMINAIRE RED (R) AND GREEN (G) AS INDICATED
- PROPOSED ORNAMENTAL LIGHTING UNIT
- GFCI 20 AMP DUPLEX RECEPTACLE
- PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
- PROPOSED ELECTRIC CABLE IN CONDUIT, SIZE AND TYPE AS NOTED
- PROPOSED UNIT DUCT IN 2" DIA. UNDERGROUND COILABLE NONMETALLIC CONDUIT UNLESS OTHERWISE NOTED ON THE PLANS
- PROPOSED JUNCTION BOX ATTACHED TO STRUCTURE, SIZE AND TYPE AS NOTED
- PROPOSED LIGHTING CONTROLLER, TYPE AS NOTED
- PROPOSED ELECTRIC SERVICE INSTALLATION, TYPE AS NOTED
- EXISTING UTILITY LIGHT TO BE REMOVED (BY OTHERS)
- EXISTING DECORATIVE LIGHT POST TO BE REMOVED
- EXISTING DECORATIVE LIGHT POST TO REMAIN

VILLAGE LIGHT POLE



IDOT LIGHT POLE



INDEX OF DRAWINGS

| DRAWING NO. | TITLE |
|-------------|---|
| E-1 | LIGHTING LEGEND, NOTES AND QUANTITIES |
| E-2 | LIGHTING REMOVAL PLANS |
| E-3 TO E-6 | PROPOSED LIGHTING PLANS |
| E-7 | LIGHTING WIRING DIAGRAM |
| E-8 | NAVIGATION LIGHTING DETAILS WEST SIDE OF THE BRIDGE |
| E-9 | NAVIGATION LIGHTING DETAILS EAST SIDE OF THE BRIDGE |
| E-10 | LUMINAIRE PERFORMANCE TABLES |
| E-11 | ORNAMENTAL LIGHTING UNIT DETAILS |
| E-12 | LIGHTING CONTROLLER, SPECIAL, POLE MOUNTED, 240V |
| E-13 | CONDUIT ATTACHED TO STRUCTURE DETAILS |
| E-14 | CONDUIT EMBEDDED IN STRUCTURE DETAILS |
| E-15 | ORNAMENTAL LIGHT POLE FOUNDATION DETAIL |

ABBREVIATIONS

| SYMBOL | DESCRIPTION |
|------------|--|
| AC | ALTERNATING CURRENT |
| A/C | AERIAL CABLE |
| AFG | ABOVE FINISHED GRADE |
| CB | CIRCUIT BREAKER |
| CKT | CIRCUIT |
| CM | CENTIMETER |
| CNC | COILABLE NONMETALLIC CONDUIT |
| CTRL | CONTROLLER |
| CP | CONTROL PANEL |
| DA | DAVIT ARM |
| DC | DIRECT CURRENT |
| DJA | DIAMETER |
| DP | DISTRIBUTION PANEL |
| E | EXISTING UNIT TO REMAIN |
| ECA | ELECTRIC CABLE ASSEMBLY |
| EM | EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM) |
| ER | EXISTING RELOCATED UNIT |
| ET | EXISTING TEMPORARY UNIT TO REMAIN |
| ETR | EXISTING TEMPORARY RELOCATED UNIT |
| FT | FEET OR FOOT |
| FND BW | FOUNDATION BARRIER WALL |
| FND BW OS | FOUNDATION BARRIER WALL OFFSET |
| FND CON | FOUNDATION CONCRETE |
| FND CON OS | FOUNDATION CONCRETE OFFSET |
| FND MET | FOUNDATION METAL |
| FND PW | FOUNDATION PARAPET WALL |
| FU | FUSE |
| GND | GROUND |
| HID | HIGH INTENSITY DISCHARGE |
| JB | JUNCTION BOX |
| KVA | KILOVOLT-AMPERE |
| KW | KILOWATTS |
| M | METER |
| MA | MAST ARM |
| MM | MILLIMETER |
| MH | MOUNTING HEIGHT |
| NO. | NUMBER |
| P | PROPOSED |
| PB | PUSH BUTTON |
| PNL | PANEL |
| PVCC RGC | PVC COATED RIGID GALVANIZED CONDUIT |
| PT | POTENTIAL TRANSFORMER |
| R | EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.) |
| RR | EXISTING UNIT TO BE REMOVED AND REINSTALLED |
| RECP | RECEPTACLE |
| RGC | RIGID GALVANIZED CONDUIT |
| RGS | RIGID GALVANIZED STEEL |
| SEL SW | SELECTOR SWITCH |
| SPARE | SPARE |
| SPACE | SPACE |
| SS | STAINLESS STEEL |
| STA | STATION |
| T | TEMPORARY LIGHTING UNIT |
| TB | TRANSFORMER BASE |
| TMP | TEMPORARY |
| TR | TEMPORARY UNIT TO BE REMOVED, SALVAGE EQUIPMENT AS SPECIFIED |
| TRR | TEMPORARY UNIT TO BE REMOVED AND RELOCATED |
| TUR | TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED |
| UD | UNIT DUCT |
| U.N.O. | UNLESS NOTED OTHERWISE |
| WP | WOOD POLE |
| XFMR | TRANSFORMER |

HIGHWAY STANDARDS

| | |
|-----------|--------------------------------------|
| 812001 | RACEWAY EMBEDDED IN STRUCTURE |
| 821101-01 | LUMINAIRE WIRING DIAGRAM |
| 826001-01 | NAVIGATION LIGHTING CONTROLLER, 240V |
| 830006-03 | LIGHT POLE ALUMINUM DAVIT ARM |
| 836001-02 | LIGHT POLE FOUNDATION |
| 838001 | BREAKAWAY DEVICES |

GENERAL NOTES:

- THE CONTRACTOR SHALL NOTIFY THE UNITED STATES COAST GUARD NORTH DISTRICT TWO WEEKS PRIOR TO ANY PLANNED NAVIGATION LIGHTING OUTAGE.
- OFFSET DISTANCES FOR LIGHT POLES ARE MEASURED FROM THE ROADWAY CENTER LINE TO THE CENTER OF POLE.
- NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION ON EACH NEW LIGHT POLE OWNED BY IDOT, AS SPECIFIED IN ARTICLE 1069.06 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE LOCATION NUMBER FOR ILL RTE. 178 IS 138. THIS WORK IS INCIDENTAL TO THE RESPECTIVE LIGHT POLE PAY ITEM.

SCHEDULE OF QUANTITIES

| ITEM | UNIT | TOTAL QUANTITY | IDOT | UTICA |
|--|-------|----------------|----------|----------|
| | | | QUANTITY | QUANTITY |
| ROCK EXCAVATION FOR STRUCTURES | CU YD | 0.40 | 0.20 | 0.20 |
| ELECTRIC SERVICE INSTALLATION | EACH | 2 | 1 | 1 |
| UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. | FOOT | 1088 | 747 | 341 |
| UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA. | FOOT | 262 | 0 | 262 |
| CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC | FOOT | 2020 | 2020 | 0 |
| JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4" | EACH | 4 | 4 | 0 |
| JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6" | EACH | 3 | 3 | 0 |
| JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6" | EACH | 1 | 1 | 0 |
| JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 12" X 6" | EACH | 2 | 2 | 0 |
| UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE | FOOT | 2585 | 1375 | 1210 |
| UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE | FOOT | 4122 | 4122 | 0 |
| ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 | FOOT | 11010 | 11010 | 0 |
| ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 | FOOT | 2440 | 2440 | 0 |
| WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED | EACH | 6 | 6 | 0 |
| NAVIGATION OBSTRUCTION LIGHTING CONTROLLER | EACH | 1 | 1 | 0 |
| LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. DAVIT ARM | EACH | 5 | 5 | 0 |
| LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM | EACH | 26 | 20 | 6 |
| LIGHT POLE FOUNDATION, 30" DIAMETER | FOOT | 169 | 130 | 39 |
| BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE | EACH | 12 | 6 | 6 |
| REMOVAL OF LIGHTING UNIT, NO SALVAGE | EACH | 2 | 0 | 2 |
| REMOVAL OF POLE FOUNDATION | EACH | 2 | 0 | 2 |
| REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING SYSTEM | L SUM | 1 | 1 | 0 |
| LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE | EACH | 31 | 25 | 6 |
| GFCI 20 AMP DUPLEX RECEPTACLE | EACH | 12 | 0 | 12 |
| ORNAMENTAL LIGHT UNIT, COMPLETE | EACH | 12 | 0 | 12 |
| CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL | FOOT | 795 | 795 | 0 |
| CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL | FOOT | 70 | 70 | 0 |
| LIGHTING CONTROLLER, SPECIAL | EACH | 1 | 0 | 1 |
| LIGHT POLE FOUNDATION, SPECIAL | FOOT | 70 | 0 | 70 |
| UNIT DUCT, 600V, 2-1C NO.6, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE | FOOT | 1205 | 0 | 1205 |
| MAINTENANCE OF NAVIGATION | L SUM | 1 | 1 | |

REV. E-1

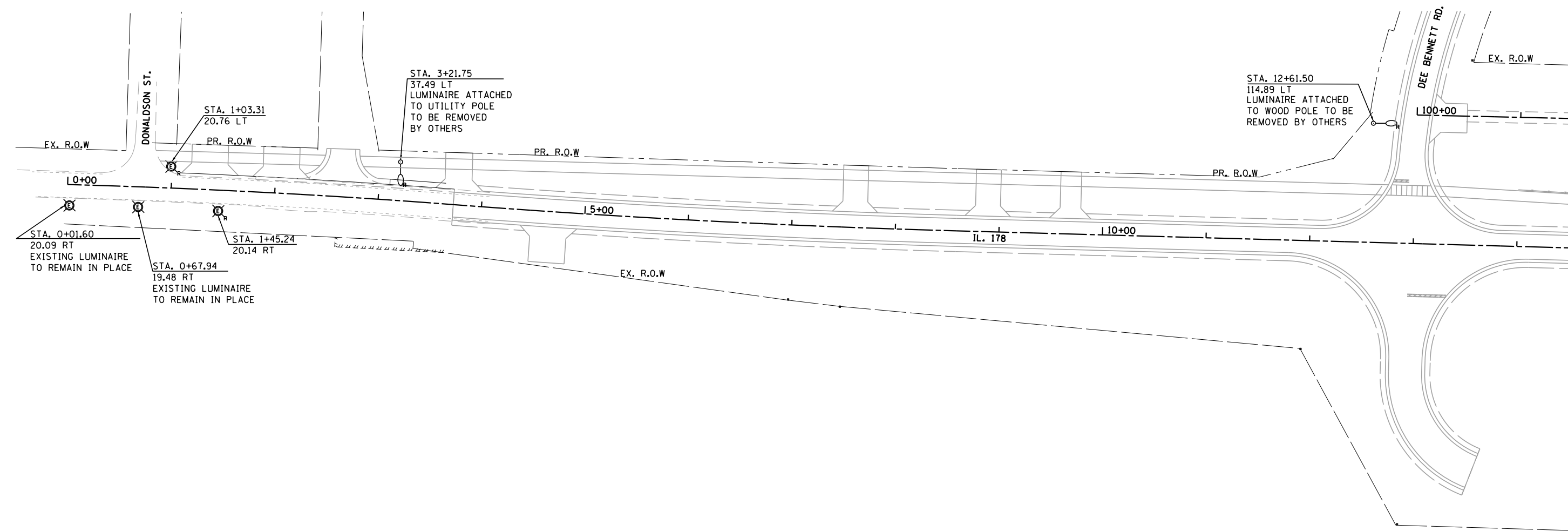
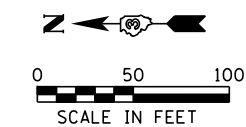


| | |
|-------------------|-----------|
| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL. RTE. 178 LIGHTING LEGEND, NOTES AND QUANTITIES

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 189 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



FILE NAME = D366992-lighting-02



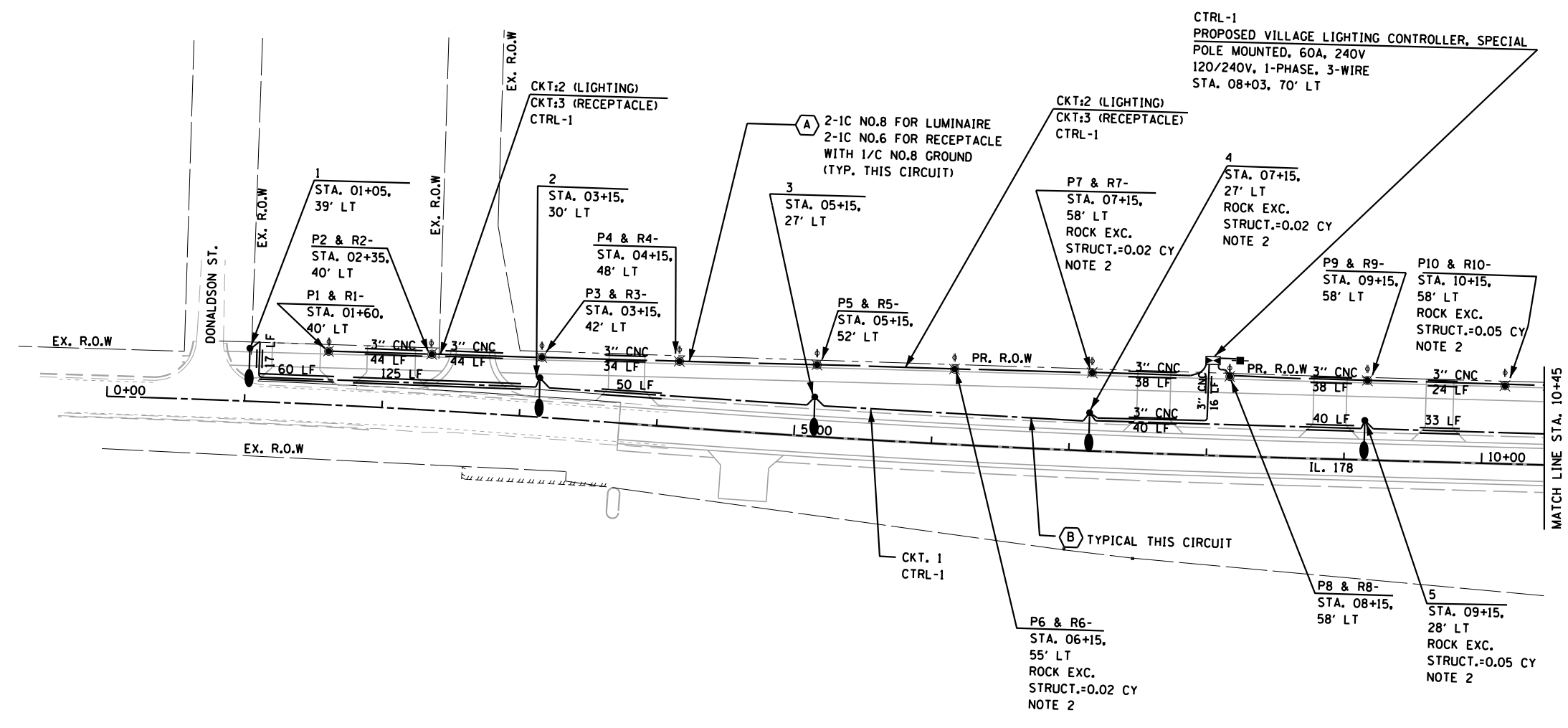
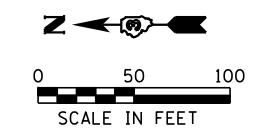
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| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL. RTE. 178 LIGHTING REMOVAL PLANS

SCALE: 100:1 SHEET NO. 2 OF 15 SHEETS STA. _____ TO STA. _____

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 190 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. POLE NUMBER FOR VILLAGE LIGHT POLES ARE ONLY FOR WIRING IDENTIFICATION IN SHEET E-7.
2. QUANTITY OF ROCK EXCAVATION SHOWN ON THE PLANS IS ESTIMATED. THE ENGINEER WILL CONDUCT A SOIL INVESTIGATION DURING CONSTRUCTION TO DETERMINE THE ACTUAL QUANTITIES.

CABLE LEGEND

- (A) UNIT DUCT, 600V, 2-1/C NO.6, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- (B) UNIT DUCT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

FILE NAME = D366992-lighting-03



| | |
|-------------------|-----------|
| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILL. RTE. 178 PROPOSED LIGHTING PLANS

SCALE: 100:1 SHEET NO. 3 OF 15 SHEETS STA. _____ TO STA. _____

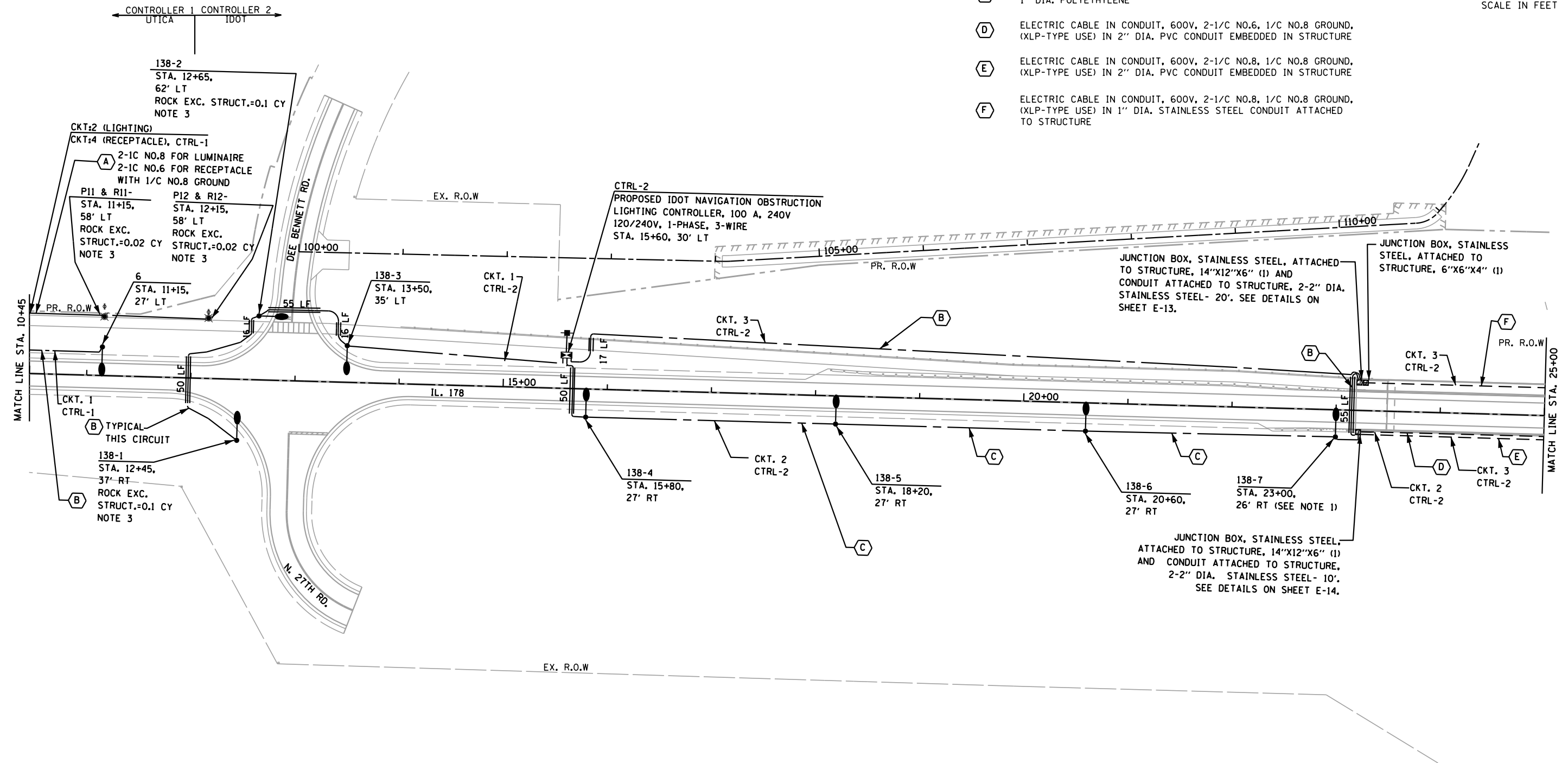
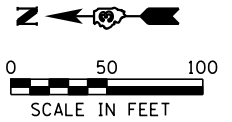
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 191 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

1. NO TRANSFORMER BASE FOR LIGHT POLES BEHIND BARRIER OR GUARDRAIL.
2. POLE NUMBER FOR VILLAGE LIGHT POLES ARE ONLY FOR WIRING IDENTIFICATION IN SHEET E-7.
3. QUANTITY OF ROCK EXCAVATION SHOWN ON THE PLANS IS ESTIMATED. THE ENGINEER WILL CONDUCT A SOIL INVESTIGATION DURING CONSTRUCTION TO DETERMINE THE ACTUAL QUANTITIES.

CABLE LEGEND

- (A) UNIT DUCT, 600V, 2-1C NO.6, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- (B) UNIT DUCT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- (C) UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- (D) ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE) IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (E) ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE) IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (F) ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE) IN 1" DIA. STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE



FILE NAME = D366992-lighting-04



| | |
|-------------------|-----------|
| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

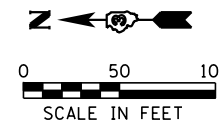
ILL. RTE. 178 PROPOSED LIGHTING PLANS

SCALE: 100:1 SHEET NO. 4 OF 15 SHEETS STA. _____ TO STA. _____

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 192 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

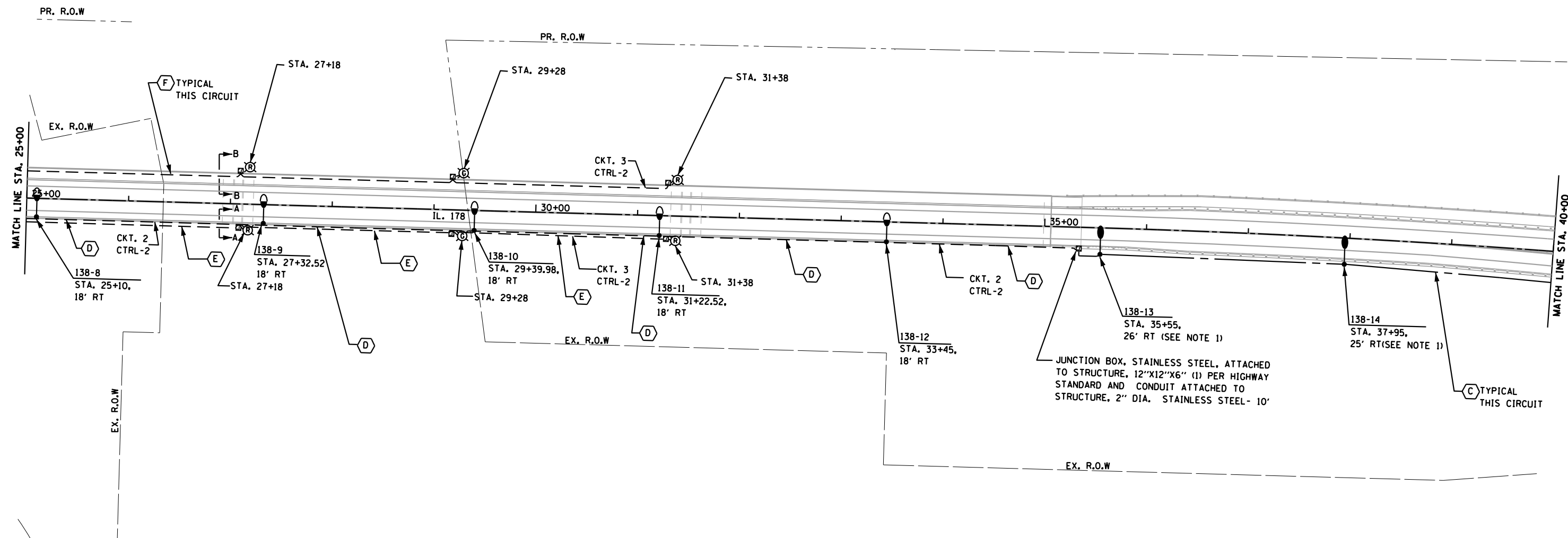
CABLE LEGEND

- (C) UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- (D) ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE) IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (E) ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE) IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (F) ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE) IN 1" DIA. STAINLESS STEEL ATTACHED TO STRUCTURE



NOTES:

1. NO TRANSFORMER BASE FOR LIGHT POLES BEHIND BARRIER OR GUARDRAIL.
2. SEE SHEET E-8 FOR SECTION A-A.
3. SEE SHEET E-9 FOR SECTION B-B.



FILE NAME = D366992-lighting-05



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|-------------------|-----------|
| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

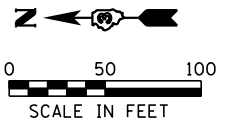
ILL. RTE. 178 PROPOSED LIGHTING PLANS

SCALE: 100:1 SHEET NO. 5 OF 15 SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 193 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

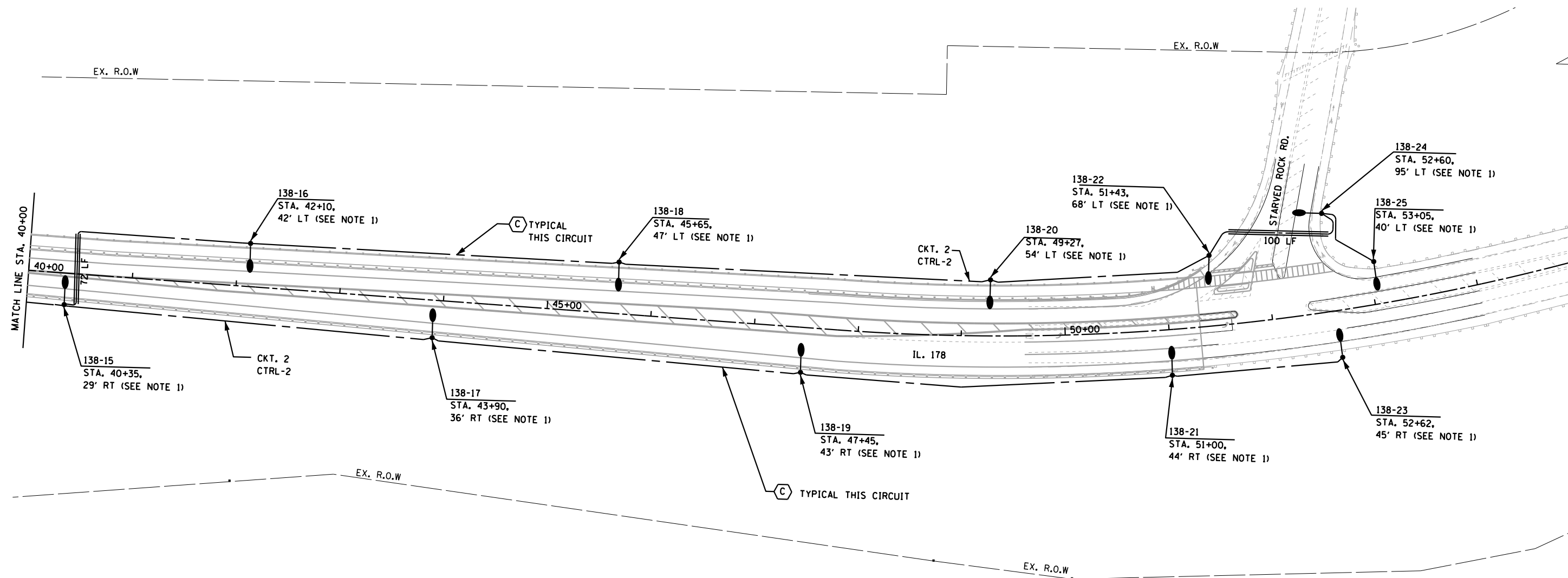
CABLE LEGEND

Ⓢ UNIT DUCT, 600V, 2-1/2 NO.6, 1/2 NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE



NOTE:

- NO TRANSFORMER BASE FOR LIGHT POLES BEHIND BARRIER OR GUARDRAIL.



FILE NAME = D366992-lighting-06



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| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

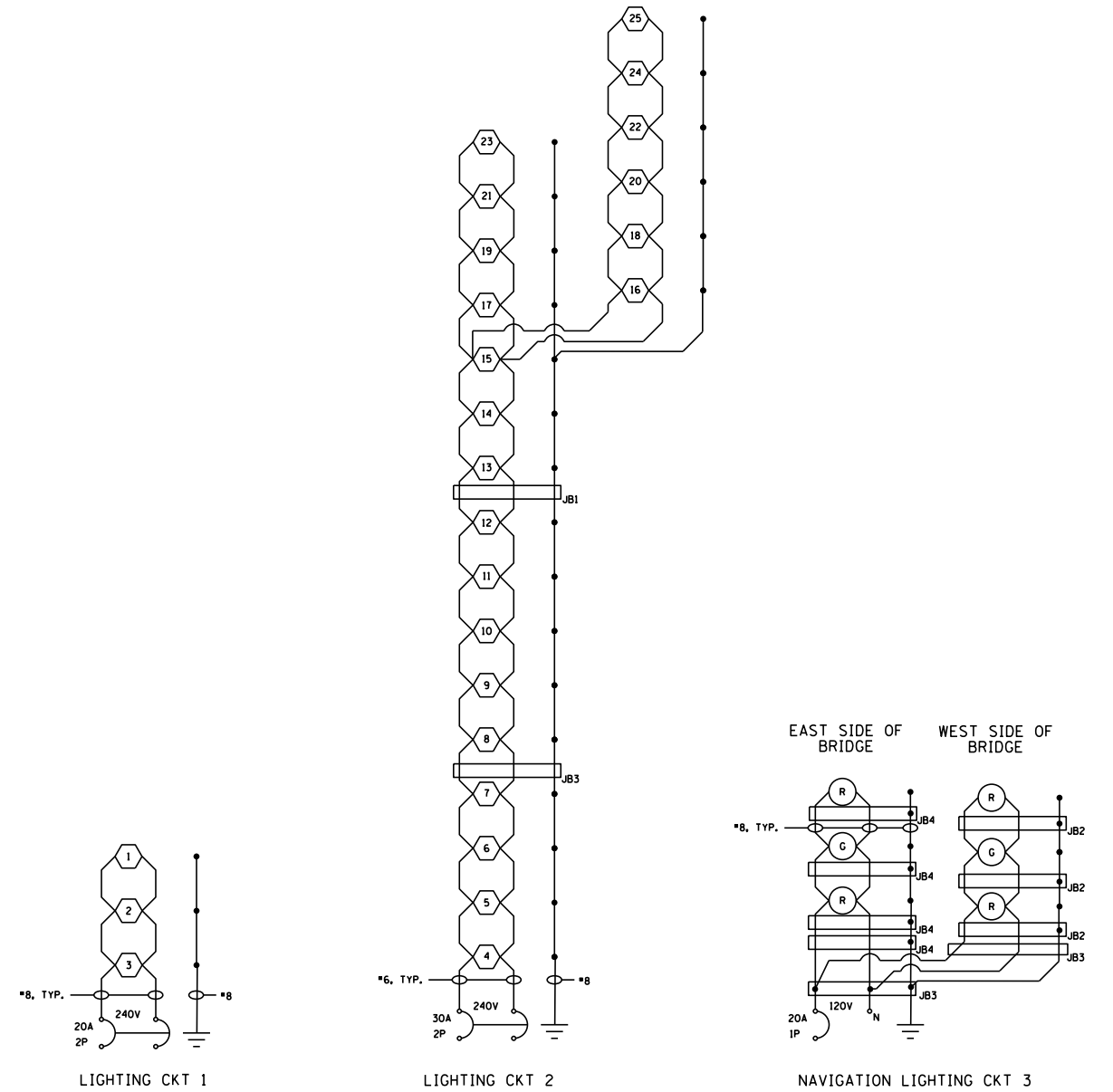
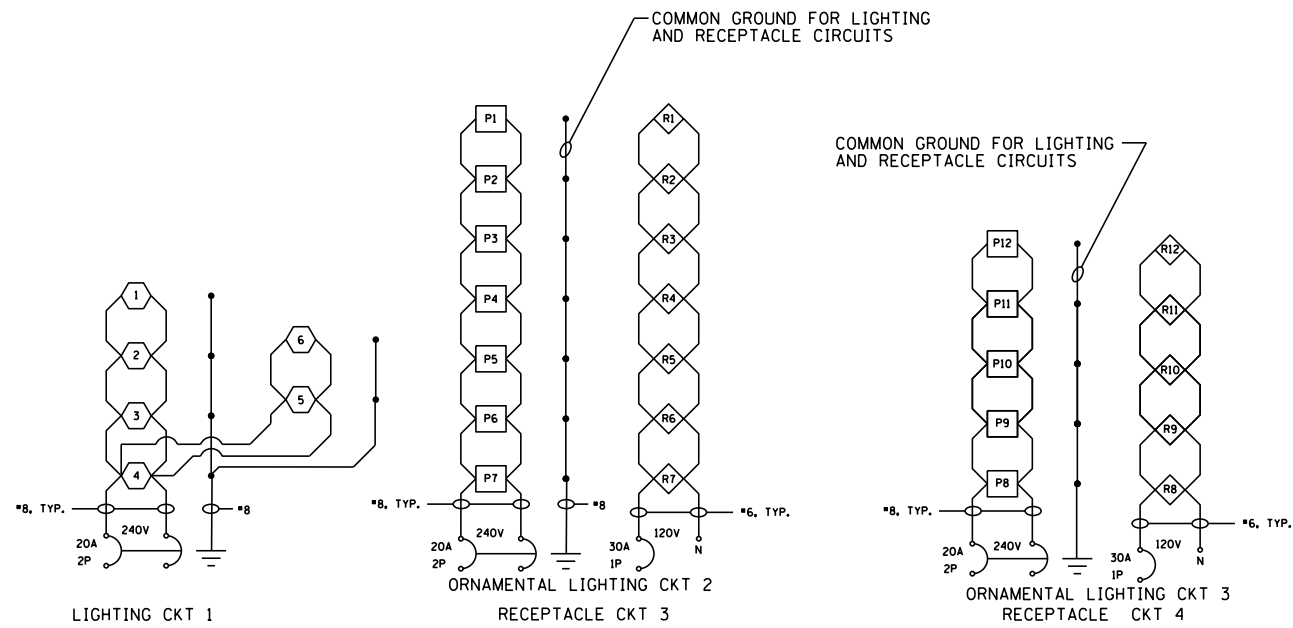
ILL. RTE. 178 PROPOSED LIGHTING PLANS

SCALE: 100:1 SHEET NO. 6 OF 15 SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 194 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

**CONTROLLER # 1
VILLAGE OF UTICA**

**CONTROLLER # 2
IDOT**



LEGEND

- ◇ 20 AMP DUPLEX RECEPTACLE
- LOW WATTAGE ORNAMENTAL LUMINAIRE
- ⬡ MEDIUM WATTAGE LED ROADWAY LUMINAIRE
- ⊙ (R) RED 180 DEGREE CHANNEL MARGIN LED NAVIGATION LUMINAIRE
- ⊙ (G) GREEN 360 DEGREE CHANNEL CENTER LED NAVIGATION LUMINAIRE
- JB JUNCTION BOX
 - JB1 - 12"X12"X6"
 - JB2 - 12"X10"X6"
 - JB3 - 14"X12"X6"
 - JB4 - 6"X6"X4"

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.
2. BOND EACH JUNCTION BOX TO EQUIPMENT GROUNDING CONDUCTOR.

FILE NAME = D366992-lighting-07



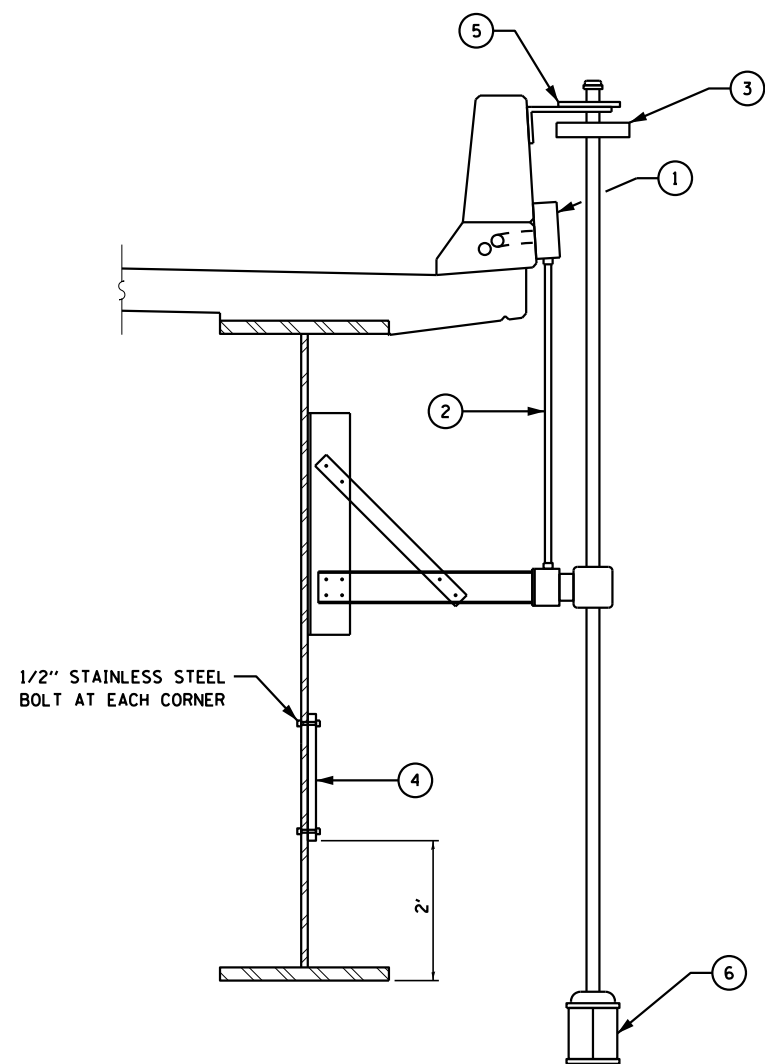
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| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

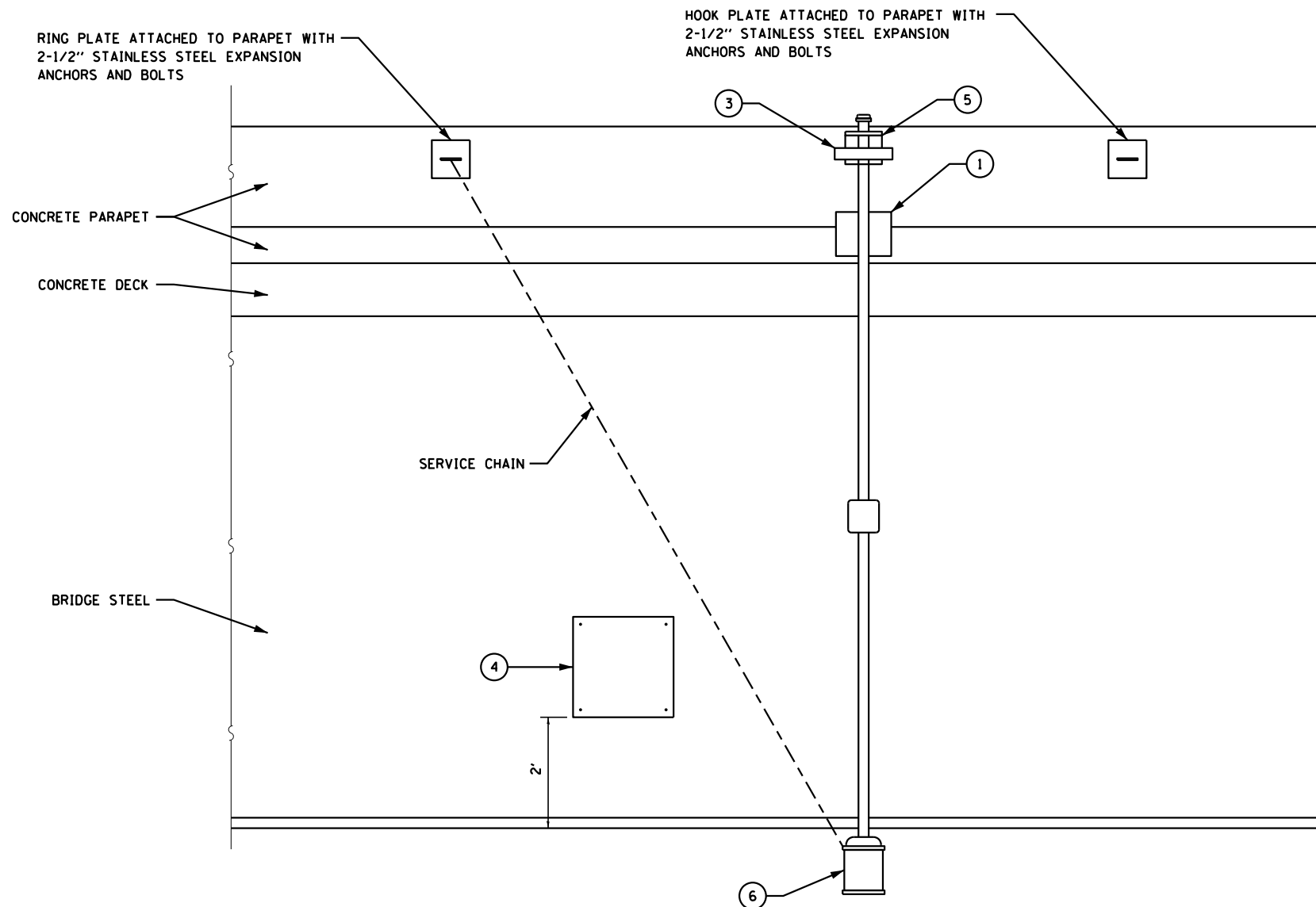
ILL. RTE. 178 LIGHTING WIRING DIAGRAM

SCALE: 100:1 SHEET NO. 7 OF 15 SHEETS STA. TO STA.

| | | | | |
|---------------------------|--------------------|----------------|------------------|---------------|
| F.A.S. RTE. 1279 | SECTION (1) BR & I | COUNTY LASALLE | TOTAL SHEETS 430 | SHEET NO. 195 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SECTION A-A



ELEVATION

KEY NOTES:

- ① STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE, SIZED PER NEC BUT SHALL NOT BE LESS THAN 12"x10"x6".
- ② ELECTRIC CABLE, 600V, (XLP-TYPE USE), 2-1/C NO. 10, 1/C NO. 10 GROUND IN 3/4" DIA. STAINLESS STEEL CONDUIT.
- ③ COUNTERWEIGHT.
- ④ 2'X2'X1/4" ANODIZED OR ALUMINUM PLATE WITH HIGH INTENSITY RED RETRO-REFLECTIVE SHEETING. MOUNT ONE ABOVE EACH RED NAVIGATION LIGHT.
- ⑤ CONNECTION PLATE AND CATCH PLATE WITH PADLOCK HASP ATTACHED TO PARAPET WITH 2-1/2" STAINLESS STEEL EXPANSION ANCHORS AND BOLTS.
- ⑥ 180 DEGREE RED NAVIGATION LUMINAIRE.

NOTES:

- 1. SEE STRUCTURAL PLANS FOR NAVIGATION LIGHT MOUNTING BRACKET DETAILS.
- 2. LOCKING ROD MAY BE USED IN LIEU OF CATCH PLATE. INSTALL LOCKING MECHANISM AND ALL NEEDED PLATES ACCORDING TO MANUFACTURER RECOMMENDATIONS.
- 3. TOP OF LUMINAIRE SHALL FALL JUST BELOW THE LOWEST PART OF THE BRIDGE STEEL WHEN IN THE OPERATING POSITION.
- 4. THE RED RETRO-REFLECTIVE PANELS AND ALL CONNECTION PLATES AND HARDWARE SHALL BE INCLUDED IN THE COST OF THE "WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED" PAY ITEM.
- 5. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE RING AND HOOK PLATES, LENGTH OF THE SERVICE CHAIN AND HORIZONTAL POSITION OF THE RED RETRO-REFLECTIVE PANELS BASED ON FIELD CONDITIONS.
- 6. CONDUIT AND ELECTRIC CABLE BETWEEN THE JUNCTION BOX ON THE PARAPET AND THE NAVIGATION LIGHT ASSEMBLY SHALL BE INCLUDED IN THE COST OF THE "WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED" PAY ITEM.

FILE NAME = D366992-lighting-08

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

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|-------------------|-----------|
| DESIGNED - SG | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

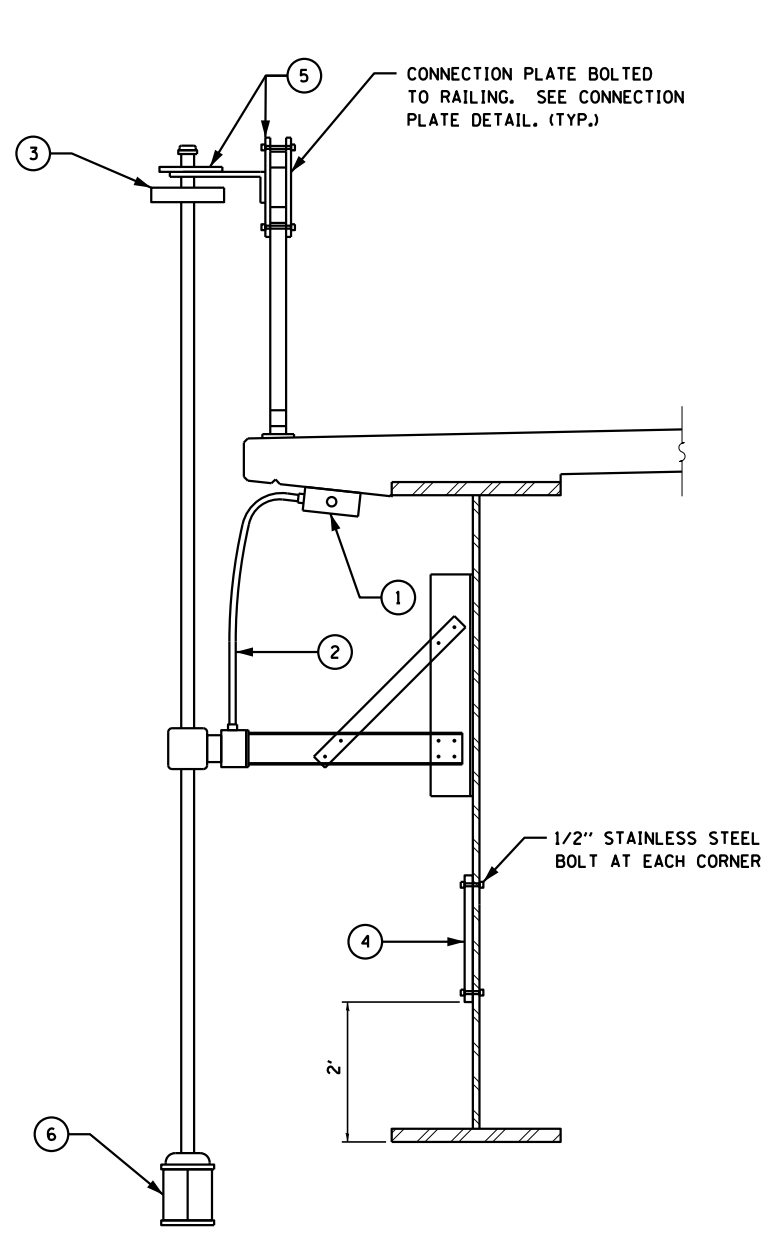
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|-------------------|-----------|
| DESIGNED - SG | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

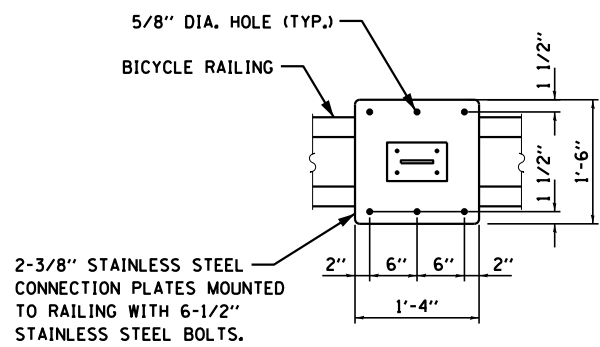
ILL. RTE. 178 NAVIGATION LIGHTING DETAILS
WEST SIDE OF THE BRIDGE

SCALE: 100:1 SHEET NO. 8 OF 15 SHEETS STA. TO STA.

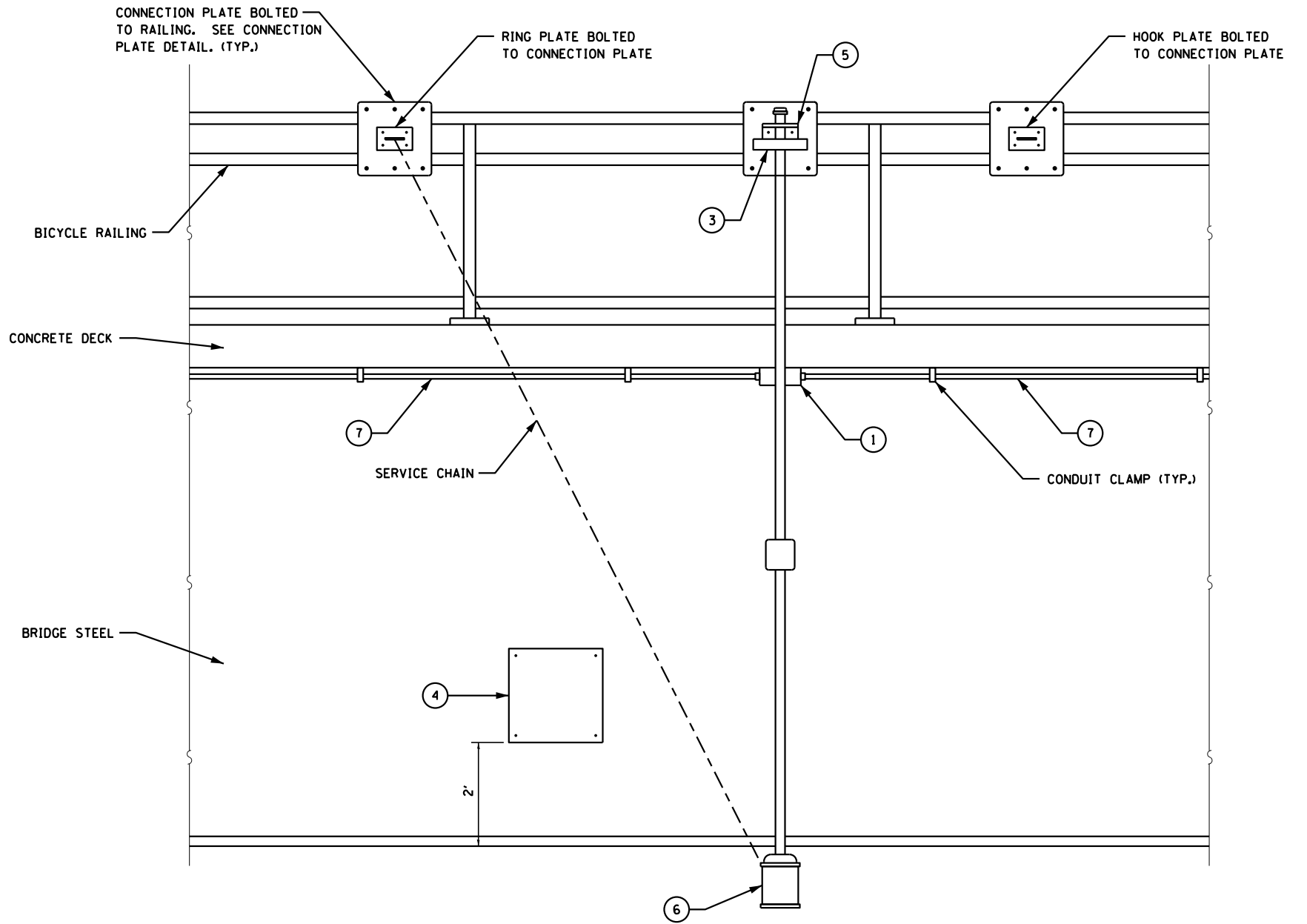
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|---------------------------|--------------------|----------------|------------------|---------------|
| F.A.S. RTE. 1279 | SECTION (1) BR & I | COUNTY LASALLE | TOTAL SHEETS 430 | SHEET NO. 196 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SECTION B-B



CONNECTION PLATE DETAIL



ELEVATION

KEY NOTES:

- ① STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE, SIZED PER NEC BUT SHALL NOT BE LESS THAN 6"X6"X4".
- ② ELECTRIC CABLE, 600V, (XLP-TYPE USE), 2-1/C NO. 10, 1/C NO. 10 GROUND IN 3/4" DIA. LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT.
- ③ COUNTERWEIGHT.
- ④ 2'X2'X1/4" ANODIZED OR ALUMINUM PLATE WITH HIGH INTENSITY RED RETRO-REFLECTIVE SHEETING. MOUNT ONE ABOVE EACH RED NAVIGATION LIGHT.
- ⑤ CONNECTION PLATE AND CATCH PLATE WITH PADLOCK HASP.
- ⑥ 180 DEGREE RED NAVIGATION LUMINAIRE.
- ⑦ ELECTRIC CABLE, 600V, (XLP-TYPE USE), 2-1/C NO. 8, 1/C NO. 8 GROUND IN 1" DIA. STAINLESS STEEL CONDUIT.

NOTES:

- 1. SEE STRUCTURAL PLANS FOR NAVIGATION LIGHT MOUNTING BRACKET DETAILS.
- 2. LOCKING ROD MAY BE USED IN LIEU OF CATCH PLATE. INSTALL LOCKING MECHANISM AND ALL NEEDED PLATES ACCORDING TO MANUFACTURER RECOMMENDATIONS.
- 3. TOP OF LUMINAIRE SHALL FALL JUST BELOW THE LOWEST PART OF THE BRIDGE STEEL WHEN IN THE OPERATING POSITION.
- 4. THE RED RETRO-REFLECTIVE PANELS AND ALL CONNECTION PLATES AND HARDWARE SHALL BE INCLUDED IN THE COST OF THE "WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED" PAY ITEM.
- 5. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE RING AND HOOK PLATES, LENGTH OF THE SERVICE CHAIN AND HORIZONTAL POSITION OF THE RED RETRO-REFLECTIVE PANELS BASED ON FIELD CONDITIONS.
- 6. CONDUIT AND ELECTRIC CABLE BETWEEN THE JUNCTION BOX ON THE BRIDGE DECK AND THE NAVIGATION LIGHT ASSEMBLY SHALL BE INCLUDED IN THE COST OF THE "WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED" PAY ITEM.

FILE NAME = D366992-lighting-09

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

| | |
|-------------------|-----------|
| DESIGNED - SG | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL. RTE. 178 NAVIGATION LIGHTING DETAILS
EAST SIDE OF THE BRIDGE

SCALE: 100:1 SHEET NO. 9 OF 15 SHEETS STA. TO STA.

| | | | | |
|---------------------------|--------------------|----------------|------------------|---------------|
| F.A.S. RTE. 1279 | SECTION (1) BR & I | COUNTY LASALLE | TOTAL SHEETS 430 | SHEET NO. 197 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - PROPOSED LIGHTING

| GIVEN CONDITIONS | | |
|------------------|---|----------------|
| ROADWAY DATA: | PAVEMENT WIDTH | 12 (FT.) |
| | NUMBER OF LANES (IN DIRECTION OF TRAVEL) | 1 |
| | MEDIAN WIDTH | N/A |
| | I.E.S. SURFACE CLASSIFICATION | R3 |
| | O-ZERO VALUE | .07 |
| LIGHT POLE DATA: | | |
| | MOUNTING HEIGHT | 45 (FT.) |
| | MAST ARM LENGTH | 15 (FT.) |
| | POLE SET-BACK FROM EDGE OF PAVEMENT | 15 (FT.) |
| LUMINAIRE DATA: | | |
| | LUMINAIRE TYPE | LED |
| | LUMINAIRE LUMENS | 20,000 MINIMUM |
| | LUMEN DEPRECIATION FACTOR | 0.90 |
| | DIRT DEPRECIATION FACTOR | 0.80 |
| | EQUIPMENT FACTOR | 0.95 |
| | TOTAL LIGHT LOSS FACTOR | 0.684 |
| LAYOUT DATA: | | |
| | SPACING | 210 (FT.) |
| | CONFIGURATION | SINGLE SIDED |
| | LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LANE | 0 (FT.) |

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED I.E.S. DISTRUBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE

| | | |
|------------|--|-----------------------|
| LUMINANCE: | AVERAGE LUMINANCE: (L_{AVE}) | 0.9 Cd/m ² |
| | UNIFORMITY RATIOS: (L_{AVE}/L_{MIN}) | 3.0:1 (MAX) |
| | (L_{MAX}/L_{MIN}) | 5.0:1 (MAX) |
| | MAXIMUM VEILING | 0.3:1 (MAX) |
| | LUMINAICE RATIO: (L_{MAX}/L_{AVE}) | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - PROPOSED ORNAMENTAL LIGHTING

| GIVEN CONDITIONS | | |
|------------------|---|--------------|
| ROADWAY DATA: | PAVEMENT WIDTH | 10 (FT.) |
| | NUMBER OF LANES (IN DIRECTION OF TRAVEL) | 1 |
| | I.E.S. SURFACE CLASSIFICATION | R3 |
| | O-ZERO VALUE | .07 |
| LIGHT POLE DATA: | | |
| | MOUNTING HEIGHT | 16 (FT.) |
| | MAST ARM LENGTH | 0 (FT.) |
| | POLE SET-BACK FROM EDGE OF PAVEMENT | 2 (FT.) |
| LUMINAIRE DATA: | | |
| | LUMINAIRE TYPE | LED |
| | LUMINAIRE LUMENS | 4118 MINIMUM |
| | LUMEN DEPRECIATION FACTOR | 0.90 |
| | DIRT DEPRECIATION FACTOR | 0.80 |
| | EQUIPMENT FACTOR | 0.95 |
| | TOTAL LIGHT LOSS FACTOR | 0.684 |
| LAYOUT DATA: | | |
| | SPACING | 100 (FT.) |
| | CONFIGURATION | SINGLE SIDED |
| | LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LANE | -2 (FT.) |

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED I.E.S. DISTRUBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE

| | | |
|--------------|---|-------------|
| ILLUMINANCE: | AVERAGE HORIZONTAL ILLUMINANCE: (E_{AVE}) | 0.5 fc |
| | UNIFORMITY RATIOS: (E_{AVE}/E_{MIN}) | 4.0:1 (MAX) |

FILE NAME = D:\366992-Lighting-10



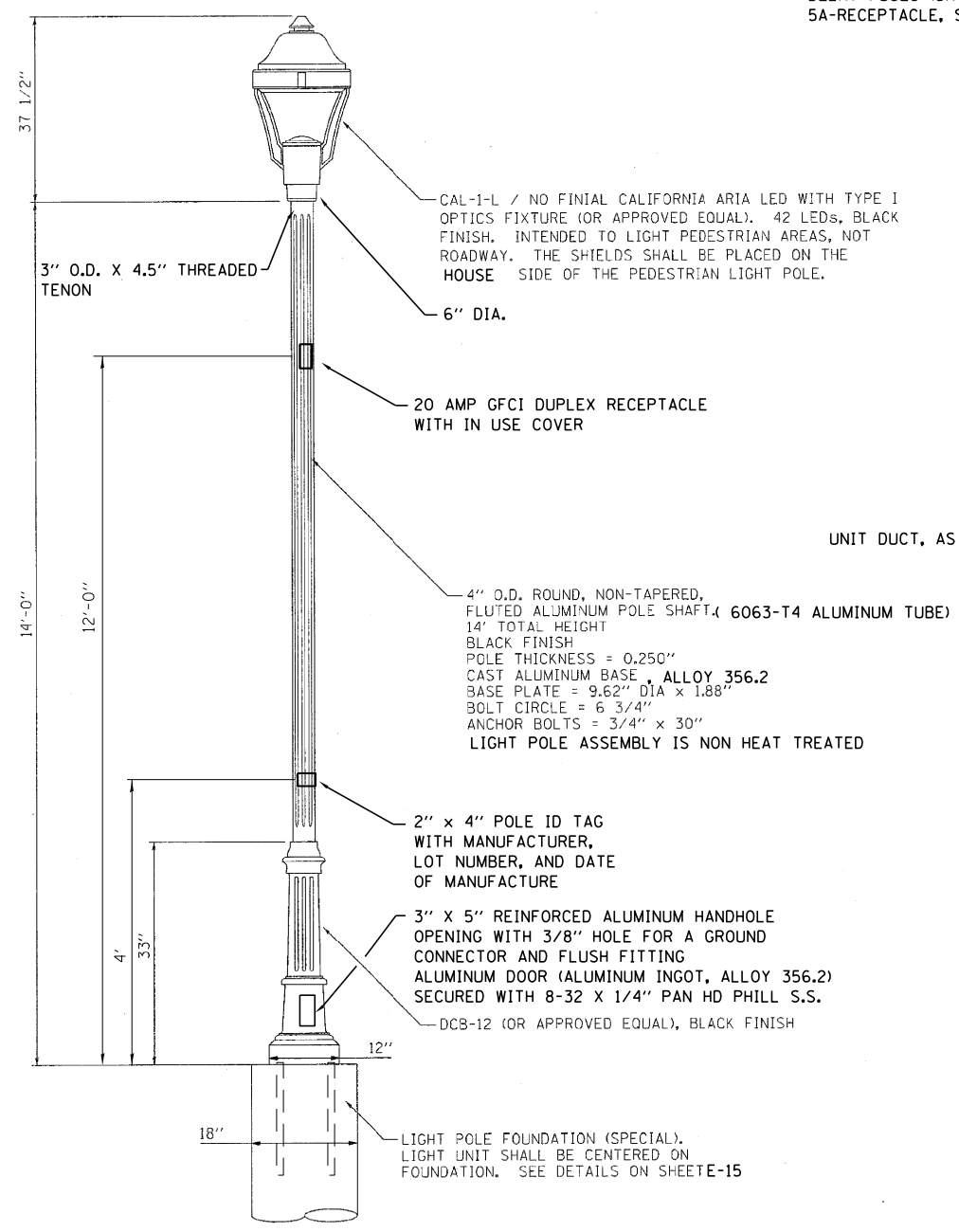
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| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL. RTE. 178 LUMINAIRE PERFORMANCE TABLES

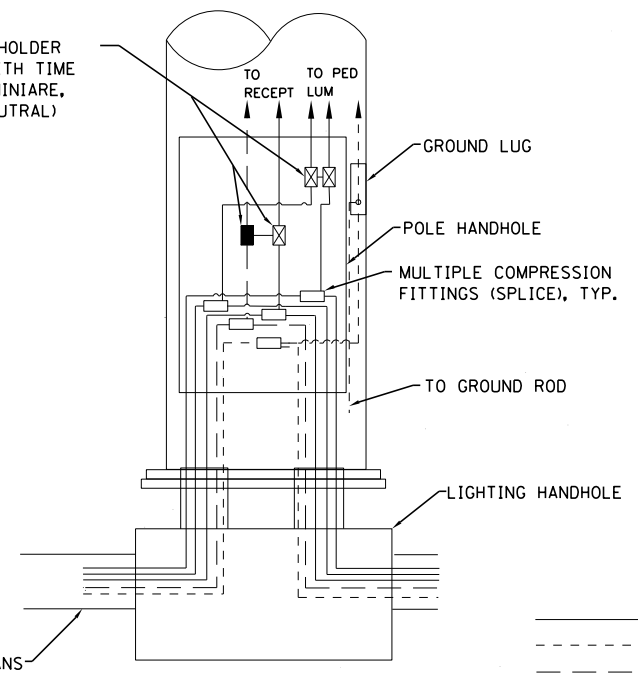
SCALE: 100:1 SHEET NO. 10 OF 15 SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 198 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



ORNAMENTAL LIGHT UNIT, COMPLETE

2 POLE BREAKAWAY FUSE HOLDER AND INSULATING BOOTS WITH TIME DELAY FUSES (5A-PED LUMINIAIRE, 5A-RECEPTACLE, SOLID NEUTRAL)



NOTE:
NO UNDERGROUND SPLICE SHALL BE ALLOWED.

NOTES:

- UNITS SHALL BE MANUFACTURED ACCORDING TO AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" CURRENT AT THE TIME THE PROJECT IS ADVERTISED. LIGHT POLES SHALL BE DESIGNED FOR ADT GREATER THAN 10,000 AND RISK CATEGORY TYPICAL. IF FATIGUE DESIGN IS REQUIRED, LIGHT POLES SHALL BE DESIGNED FOR IMPORTANCE CATAGORY I.
- POLES SHALL BE DESIGNED TO WITHSTAND LOADING OF 75 LBS. LUMINAIRE WITH AN EPA OF 1.65 SQ. FT INCLUDING ALL ATTACHMENTS.

FILE NAME = D366992-lighting-11



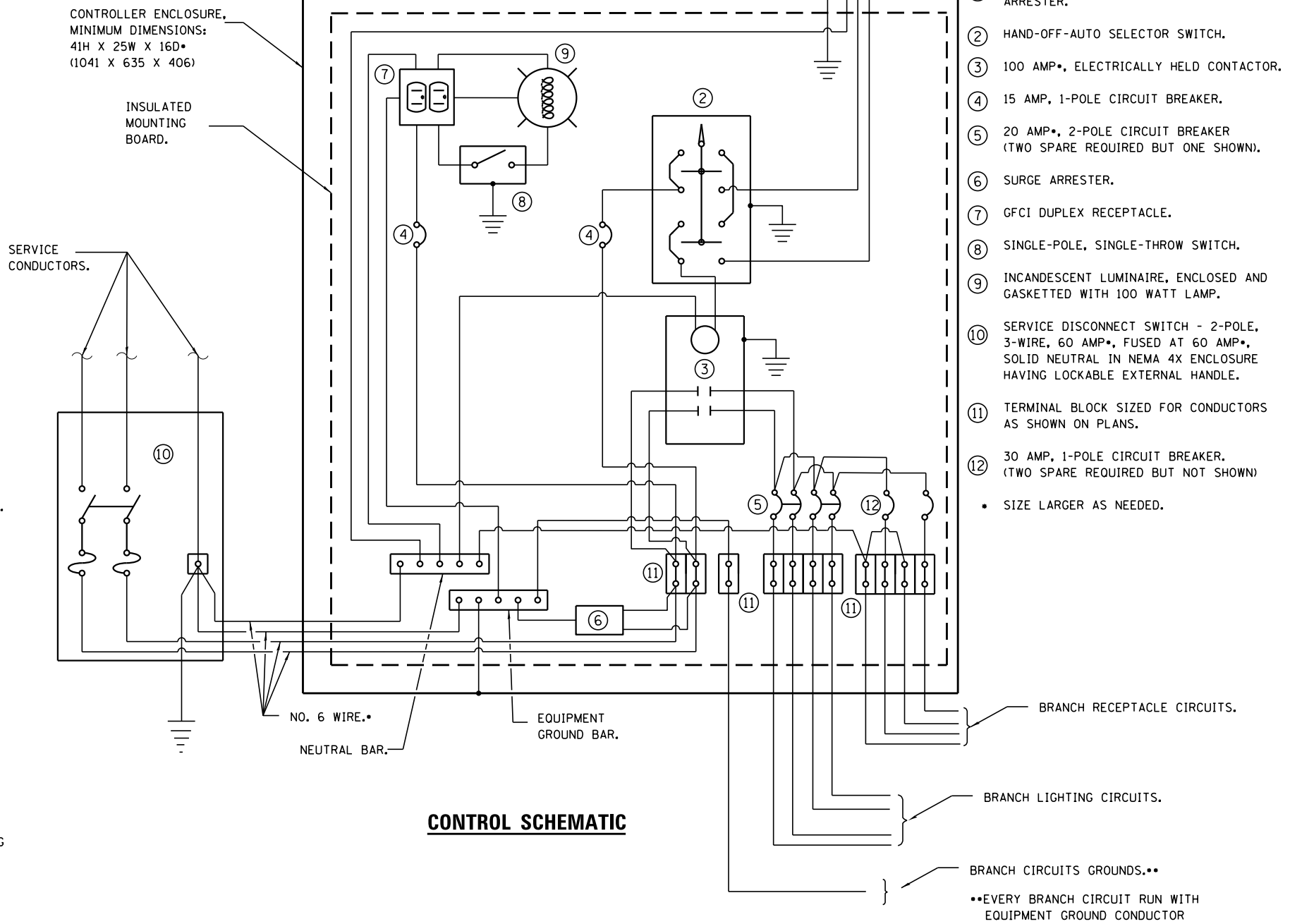
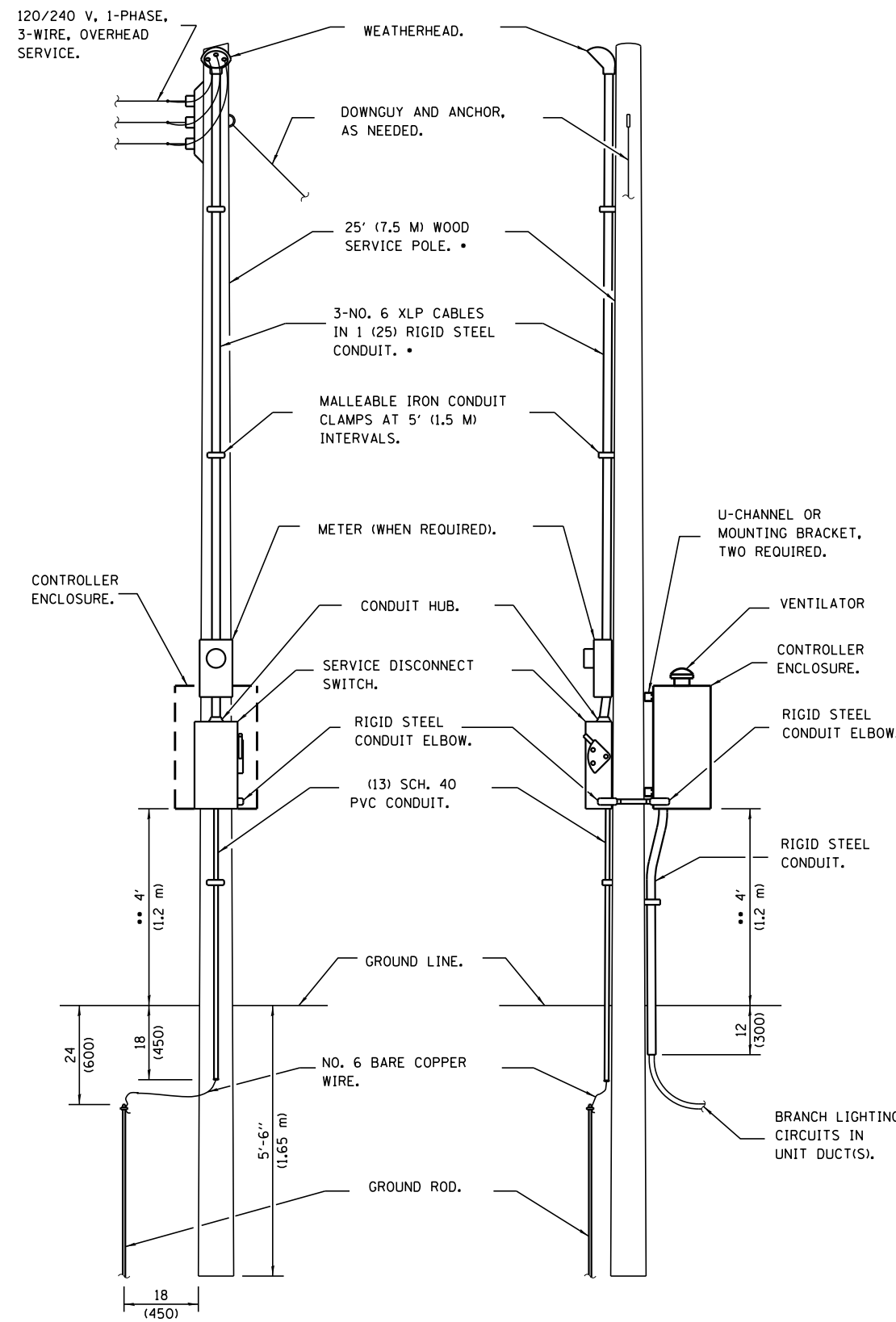
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|-------------------|-----------|
| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL. RTE. 178 ORNAMENTAL LIGHTING UNIT DETAILS

SCALE: 100:1 SHEET NO. 11 OF 15 SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------|---------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1279 | (1) BR & I | LASALLE | 430 | 199 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- GENERAL NOTES**
1. PROVIDE 12X9X1 (305X225X25) WATERTIGHT POUCH MOUNTED INSIDE CONTROLLER DOOR WITH AS-BUILT PLANS AND SCHEMATICS.
 2. PROVIDE ENGRAVED NAMEPLATE ON FRONT OF ENCLOSURE READING "LIGHTING".
 3. WIRING SHALL BE PANEL BOARD FASHION. ALL BENDS SHALL BE RIGHT ANGLES. ALL RUNS SHALL BE VERTICAL OR PARALLEL TO PANEL BOARD. WIRES SHALL BE GROUPED OR LACED.
 4. ALL CONTROL INSTALLATION COMPONENTS SHALL BE U.L. LISTED.

FILE NAME = D366992-lighting-12

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

| | |
|-------------------|-----------|
| DESIGNED - BN | REVISED - |
| DRAWN - BN | REVISED - |
| CHECKED - RP | REVISED - |
| DATE - 08/05/2016 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILL. RTE. 178 LIGHTING CONTROLLER, SPECIAL
POLE MOUNTED, 240V**

SCALE: 100:1 SHEET NO. 12 OF 15 SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|---------|--------------|-----------|
| 1279 | (1) BR & I | LASALLE | 430 | 200 |
| CONTRACT NO. 66992 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |