

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

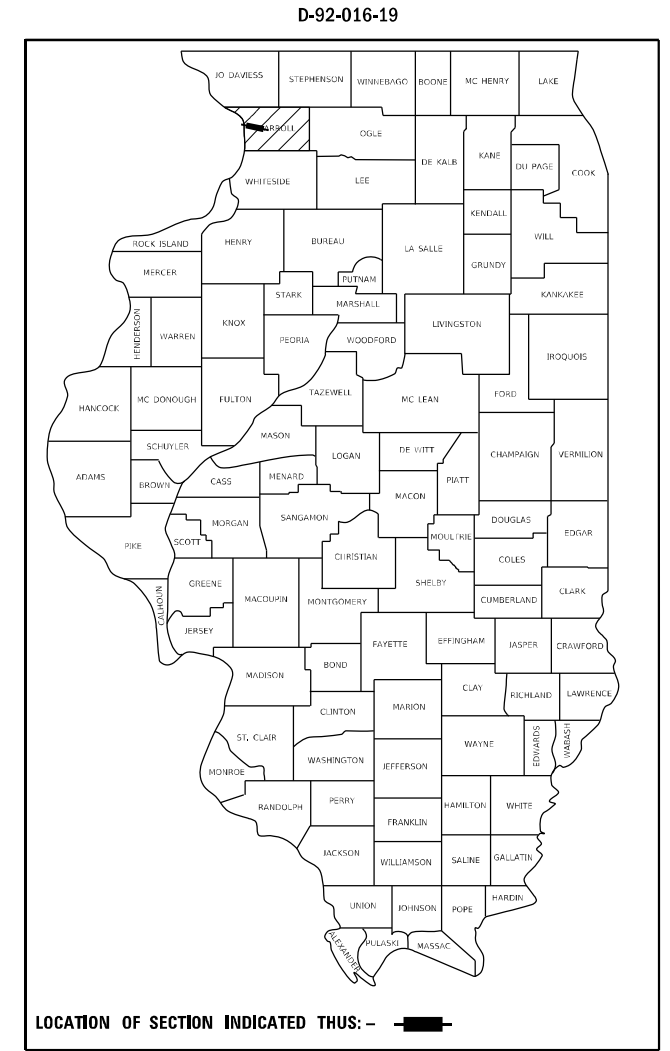
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------|----------|--------------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 1 |
| | | ILLINOIS | CONTRACT NO. 64N50 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

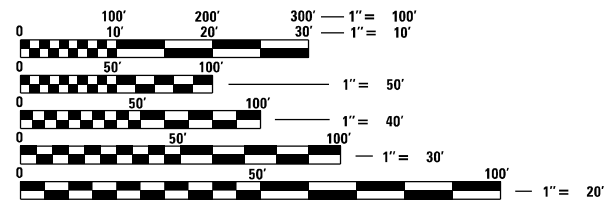
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 17 (US 52 /IL 64)
SECTION (1,2)SLP
PROJECT STP-JAN2(511)
SLOPE REPAIR & CULVERT REPAIR
0.3 MI EAST OF DAUPHIN ROAD
CARROLL COUNTY

C-92-043-21

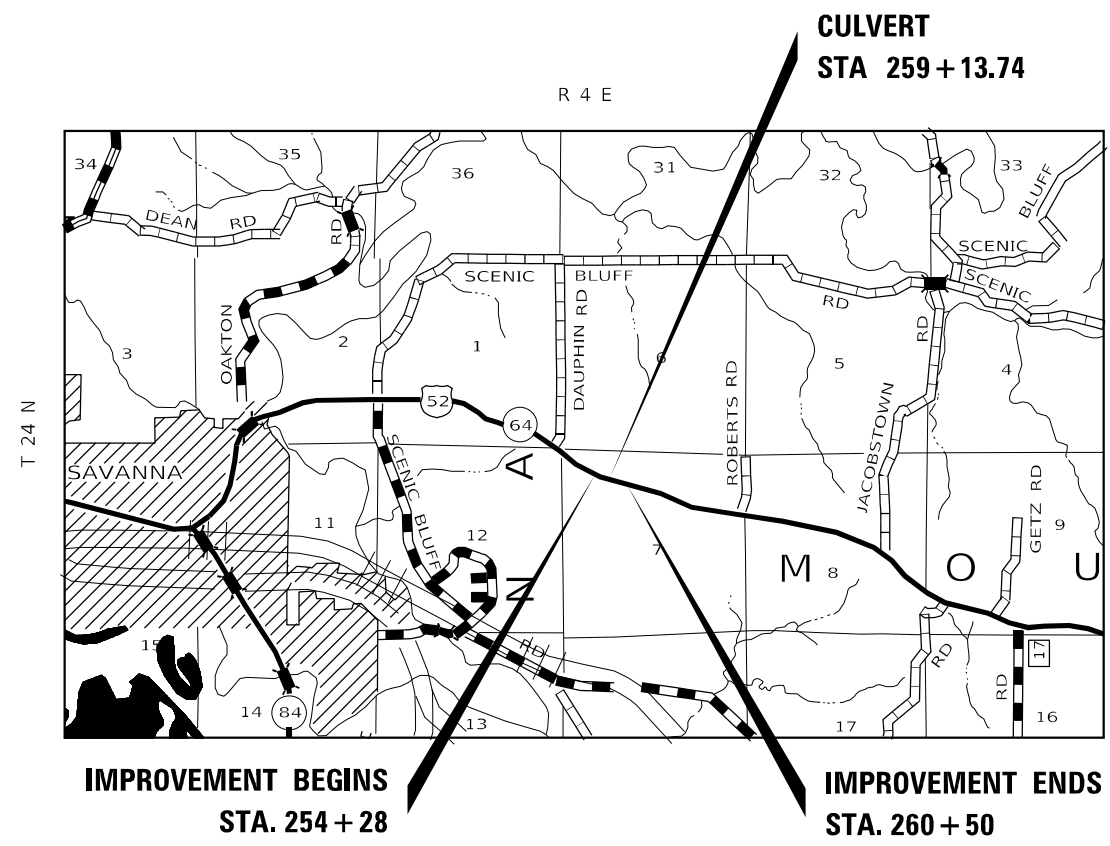


MOUNT CARROLL TOWNSHIP SECTION (7)



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

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



PROJECT ENGINEER: STEVE ROBERY
TEAM LEADER: COREY CONDERMAN (815)-284-5956
PROJECT MANAGER: A.J. CUCCIO (815)-284-5504
CONTRACT NO. 64N50

GROSS LENGTH = 622.00 FT. = 0.118 MILE
NET LENGTH = 622.00 FT. = 0.118 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 03/12 20 21

[Signature]
REGIONAL ENGINEER

May 7, 2021
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS
DISTRICT 2, DIXON

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HIGHWAY STANDARDS

000001 - 08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001006 DECIMAL OF AN INCH AND OF A FOOT
 280001 - 07 TEMPORARY EROSION CONTROL SYSTEMS
 482011 - 03 HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
 542001 - 06 CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.
 601001 - 05 PIPE UNDERDRAINS
 601101 - 02 PRECAST MANHOLE TYPE A 5' (1.52 m) DIAMETER
 602402 - 03 MANHOLE STEPS
 602701 - 02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS
 635001 - 02 DELINEATORS
 666001 - 01 RIGHT OF WAY MARKERS
 701001 - 02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
 701006 - 05 OFF-RD OPERATIONS, 2L, 2W, 15" TO 24" FROM PAVEMENT EDGE
 701011 - 04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
 701201 - 05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
 701301 - 04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 701306 - 04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
 701326 - 04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS >= 45 MPH
 701901 - 08 TRAFFIC CONTROL DEVICES
 704001 - 08 TEMPORARY CONCRETE BARRIER
 720011 - 01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
 728001 - 01 TELESCOPING STEEL SIGN SUPPORT
 729001 - 01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
 782006 - 01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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| | | | | | | | | | | |
|------------------------------|------------|-----------|---|--|--|---------------------------|----------|---------|--------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS & HIGHWAY STANDARDS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 100,0091' / In. | DRAWN - | REVISED - | | | | 17 | (1,2)SLP | CARROLL | 38 | 2 |
| PLOT DATE = 3/12/2021 | CHECKED - | REVISED - | | SCALE: SHEET 1 OF 1 SHEETS STA. TO STA. | | CONTRACT NO. 64N50 | | | | |
| | DATE - | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | |

GENERAL NOTES

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Trees removed will be replaced on a separate district-wide replacement contract.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Article 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 for trench backfill which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. Impervious material shall be used on the outer 3 feet of each end of the culvert. This trench backfill material will not be measured for payment, but shall be included in unit price item of the work for which it is required.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

| | |
|-------------------|--------------|
| Mediacom | 309/743-4750 |
| CenturyLink | 309/477-0363 |
| Jo-Carroll Energy | 815/858-5522 |
| iFiber | 815/753-5798 |

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

The ladder to be installed in the proposed manhole will be located on the east or west side of the manhole.

Commitments:

1. Trees three (3) inches or greater in diameter at breast height will not be cleared from April 1 through September 30. The US Fish and Wildlife Service concurred with our determination and date restriction on tree clearing on 7/8/2017.
2. It has been determined that several trees will be impacted by the project. The contractor will coordinate directly with the property owner prior to removal of said trees regarding the potential for the trees to be retained by the owner.

| | | | | | | | | | | | | | | |
|---------------------------|--------------------------------|--------------------------------|-----------|---|---------------------------|-----------|---------|--------|------|---------|----------|------------------|--------------|-----------|
| FILE NAME = 64N50.GN.DOCX | USER NAME = | DESIGNED - Engineering Systems | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES | | | | | ROUTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - | REVISED - | | FAP 17 | (1,2)SLP | Carroll | 38 | 3 | | | | | |
| | PLOT SCALE = | CHECKED - | REVISED - | | CONTRACT NO. 64N50 | | | | | | | | | |
| | PLOT DATE = 3/12/2021 11:38 AM | DATE = 3/5/2021 3:30 PM | REVISED - | | SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. | ILLINOIS | FED. AID PROJECT | | |

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | ROADWAY |
|----------|-----------------------------------|-------|----------------|---------------------|------------|
| | | | | 80% FED / 20% STATE | 100% STATE |
| | | | | 0005 RURAL | 0005 RURAL |
| 20100500 | TREE REMOVAL, ACRES | ACRE | 0.25 | 0.25 | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 5,125 | 5,125 | |
| 20200100 | EARTH EXCAVATION | CU YD | 4,195 | 4,195 | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 1,180 | 1,180 | |
| 25000210 | SEEDING, CLASS 2A | ACRE | 1.5 | 1.5 | |
| 25000750 | MOWING | ACRE | 1.5 | | 1.5 |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 4,796 | 4,796 | |
| 25100900 | TURF REINFORCEMENT MAT | SQ YD | 329 | 329 | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 107 | 107 | |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 24 | 24 | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 732 | 732 | |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 1 | 1 | |
| 28100109 | STONE RIPRAP, CLASS A5 | SQ YD | 78 | 78 | |
| 28200200 | FILTER FABRIC | SQ YD | 113 | 113 | |

* SPECIALTY ITEM

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| | | | | | | |
|---|--|--|---|------------------------------|--|---|
| USER NAME = cuccl0aj PLOT SCALE = 100,0091' / In. PLOT DATE = 3/17/2021 | DESIGNED - DRAWN - CHECKED - DATE - | REVISED - REVISED - REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | F.A.P. RTE. 17 SECTION (1,2)SLP COUNTY CARROLL TOTAL SHEETS 38 SHEET NO. 4 CONTRACT NO. 64N50 | SCALE: SHEET 1 OF 3 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT |
|---|--|--|---|------------------------------|--|---|

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | ROADWAY |
|----------|---|--------|----------------|---------------------|------------|
| | | | | 80% FED / 20% STATE | 100% STATE |
| | | | | 0005 RURAL | 0005 RURAL |
| 48101200 | AGGREGATE SHOULDERS, TYPE B | TON | 483 | 483 | |
| 52200020 | TEMPORARY SOIL RETENTION SYSTEM | SQ FT | 1,090 | 1,090 | |
| 542A1069 | PIPE CULVERTS, CLASS A, TYPE 2 24" | FOOT | 33 | 33 | |
| 542A1075 | PIPE CULVERTS, CLASS A, TYPE 2 30" | FOOT | 28 | 28 | |
| 54261330 | CONCRETE END SECTION, STANDARD 542001, 30", 1:3 | EACH | 1 | 1 | |
| 54261424 | CONCRETE END SECTION, STANDARD 542001, 24", 1:4 | EACH | 1 | 1 | |
| 54390160 | INSERTION CULVERT LINER 21" | FOOT | 94 | 94 | |
| 60100060 | CONCRETE HEADWALLS FOR PIPE DRAINS | EACH | 1 | 1 | |
| 60108100 | PIPE UNDERDRAINS 4" (SPECIAL) | FOOT | 12 | 12 | |
| 60108501 | PIPE UNDERDRAINS, TYPE 3 | FOOT | 36 | 36 | |
| 60221100 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 | |
| 63500105 | DELINEATORS | EACH | 3 | 3 | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 4 | 4 | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | |

* SPECIALTY ITEM

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|--|--|--|---|------------------------------|--|---|---------------------------|

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | ROADWAY |
|------------|---|-------|----------------|---------------------|------------|
| | | | | 80% FED / 20% STATE | 100% STATE |
| | | | | 0005 RURAL | 0005 RURAL |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 | 1 | |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 1 | |
| 70400100 | TEMPORARY CONCRETE BARRIER | FOOT | 412.5 | 412.5 | |
| 70600260 | IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 2 | 2 | |
| * 78200011 | BARRIER WALL REFLECTORS, TYPE C | EACH | 34 | 34 | |
| X2810110 | STONE RIPRAP, CLASS A5 (SPECIAL) | SQ YD | 48 | 48 | |
| X4400110 | TEMPORARY PAVEMENT REMOVAL | SQ YD | 100 | 100 | |
| X5010205 | REMOVAL OF EXISTING STRUCTURE, SPECIAL | EACH | 1 | 1 | |
| X5420624 | PIPE CULVERTS TO BE CLEANED 24" | FOOT | 94 | 94 | |
| X6660117 | REMOVE AND REERECT RIGHT OF WAY MARKERS | EACH | 4 | 4 | |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | |
| * Z0054515 | ROCK FILL - EMBANKMENT | TON | 2,208 | 2,208 | |
| * Z0054500 | ROCK FILL | TON | 140 | 140 | |
| Z0062456 | TEMPORARY PAVEMENT | SQ YD | 100 | 100 | |

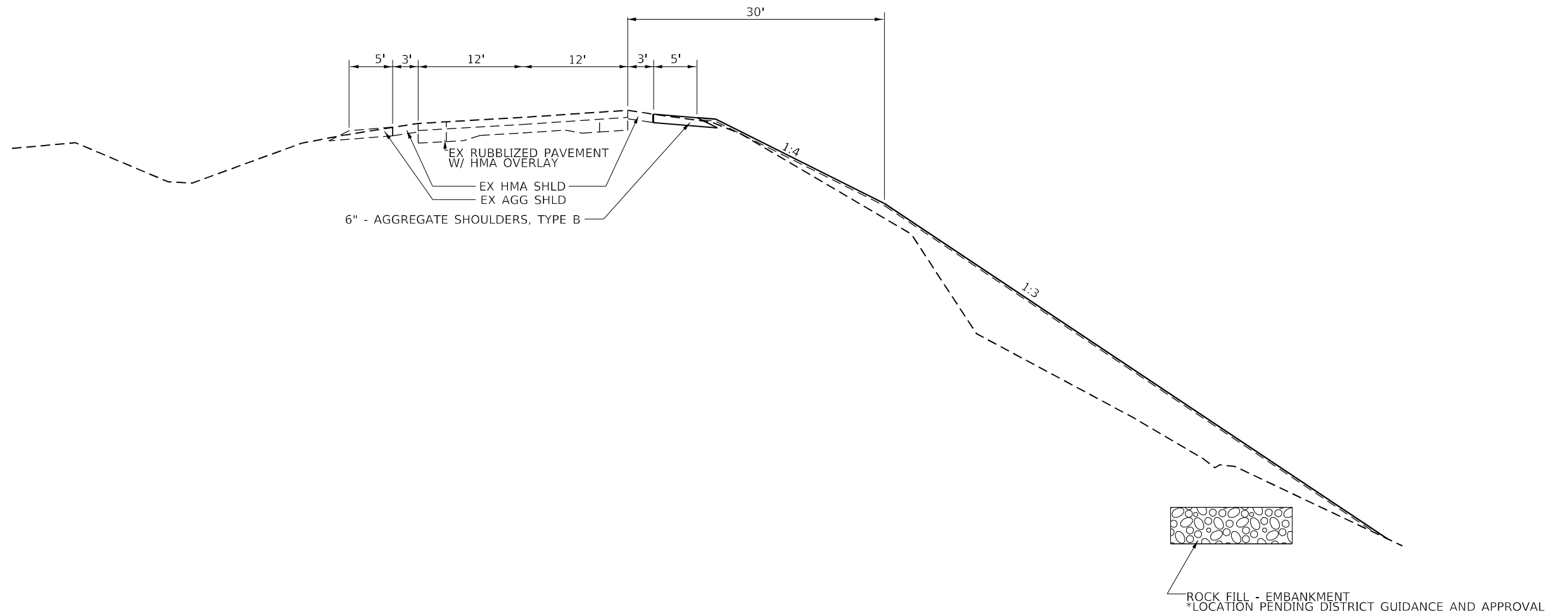
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| USER NAME = cuccioaj DRAWN = CHECKED = DATE = | DESIGNED = REVISIONS = REVISIONS = REVISIONS = | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | F.A.P. RTE. 17 SECTION (1,2)SLP COUNTY CARROLL TOTAL SHEETS 38 SHEET NO. 6 CONTRACT NO. 64N50 | SCALE: SHEET 3 OF 3 SHEETS STA. TO STA. |
|--|---|---|------------------------------|--|---|

US 52

STA 254+28 TO STA 259 + 13.74
 STA 259 + 13.74 TO STA 260 + 50



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| USER NAME = cucclaj | DESIGNED - | REVISED - |
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| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

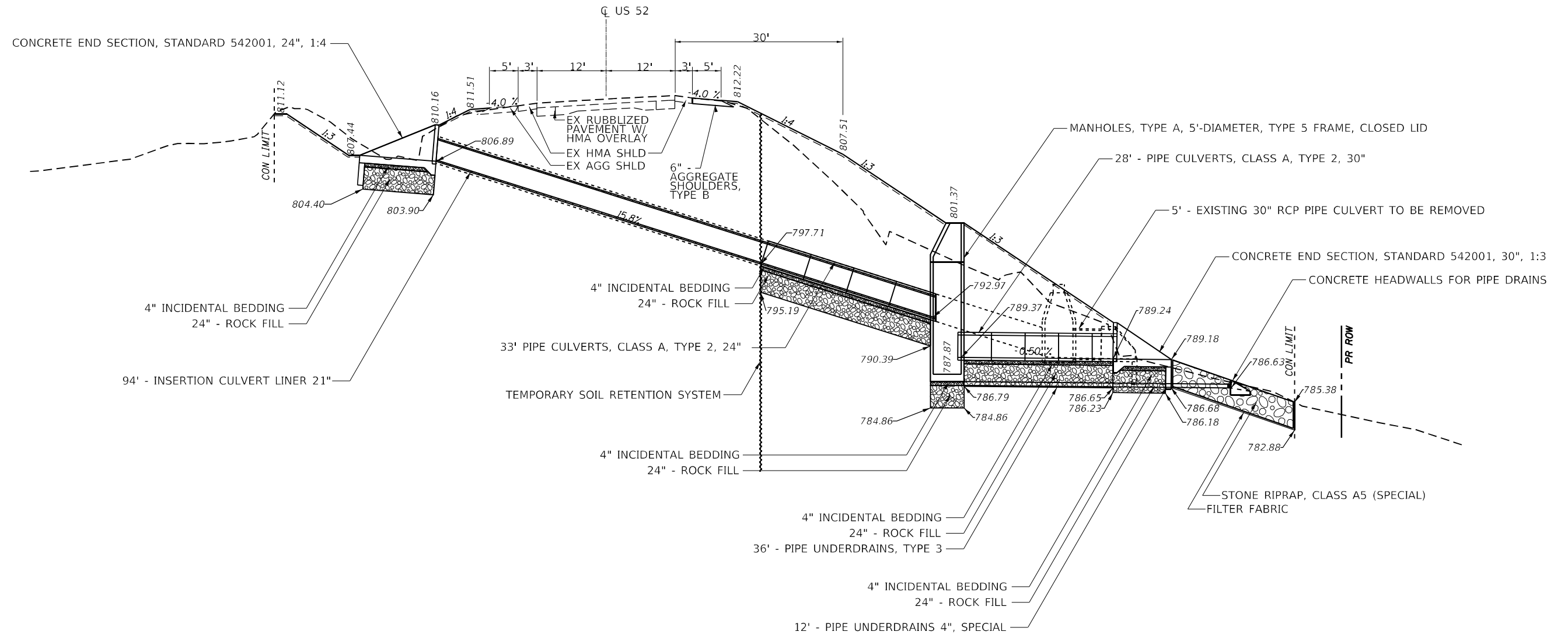
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|---------|--------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 7 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

CULVERT TYPICAL SECTION - US 52
STATION 259+13.74



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 OFFICE: District 2
 PLOT DATE: 3/12/2021

| | | |
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| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|-------------------------|---------|------|---------|
| TYPICAL SECTIONS | | | |
| SCALE: | SHEET 2 | OF 3 | SHEETS |
| | STA. | | TO STA. |

| | | | | |
|---------------------------|------------------|----------------|-----------------|-------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 8 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| 20100500 | <u>TREE REMOVAL, ACRES</u> | |
|----------|----------------------------|--------------------------------|
| | <u>ACRE</u> | <u>LOCATION</u> |
| | | US 52 / IL 64 |
| | 0.200 | Sta 254+98.84 to Sta 259+92.77 |
| | 0.075 | Sta 258+85.09 to Sta 259+39.94 |
| | 0.025 | Sta 259+84.37 to Sta 260+50.00 |
| | <u>0.250</u> | TOTAL |

| 25100900 | <u>TURF REINFORCEMENT MAT</u> | |
|----------|-------------------------------|-------------------------------|
| | <u>SQ YD</u> | <u>LOCATION</u> |
| | | US 52 |
| | 329 | Sta 254+25 to Sta 256+85 - RT |
| | <u>329</u> | TOTAL |

| 28200200 | <u>FILTER FABRIC</u> | |
|----------|----------------------|---------------------------------------|
| | <u>SQ YD</u> | <u>LOCATION</u> |
| | | US 52 |
| | 78 | Sta 255+43 to Sta 255+82 - RT |
| | 35 | Sta 259+13.81 (102.9' to 120.9' - RT) |
| | <u>113</u> | TOTAL |

| 21101615 | <u>TOPSOIL FURNISH AND PLACE, 4"</u> | |
|----------|--------------------------------------|-------------------------------|
| | <u>SQ YD</u> | <u>LOCATION</u> |
| | | US 52 |
| | 4440 | Sta 254+25 to Sta 260+50 - RT |
| | 356 | Sta 258+50 to Sta 259+50 - LT |
| | 329 | Sta 254+25 to Sta 256+85 - RT |
| | <u>5125</u> | TOTAL |

| 28000250 | <u>TEMPORARY EROSION CONTROL SEEDING</u> | |
|----------|--|-------------------------------|
| | <u>POUND</u> | <u>LOCATION</u> |
| | | US 52 |
| | 92 | Sta 254+25 to Sta 260+50 - RT |
| | 8 | Sta 258+50 to Sta 259+50 - LT |
| | 7 | Sta 254+25 to Sta 256+85 - RT |
| | <u>107</u> | TOTAL |

| 48101200 | <u>AGGREGATE SHOULDERS, TYPE B</u> | |
|----------|------------------------------------|-------------------------------------|
| | <u>TON</u> | <u>LOCATION</u> |
| | | US 52 |
| | 483 | Sta 254+40.91 to Sta 260+50.07 - RT |
| | <u>483</u> | TOTAL |

| 25000210 | <u>SEEDING, CLASS 2A</u> | |
|----------|--------------------------|-------------------------------|
| | <u>ACRE</u> | <u>LOCATION</u> |
| | | US 52 |
| | 1.00 | Sta 254+25 to Sta 260+50 - RT |
| | 0.25 | Sta 258+50 to Sta 259+50 - LT |
| | 0.25 | Sta 254+25 to Sta 256+85 - RT |
| | <u>1.50</u> | TOTAL |

| 28000305 | <u>TEMPORARY DITCH CHECKS</u> | |
|----------|-------------------------------|-----------------------|
| | <u>FOOT</u> | <u>LOCATION</u> |
| | | US 52 |
| | 12 | Sta 259+00 (43' - LT) |
| | 12 | Sta 259+28 (42' - LT) |
| | <u>24</u> | TOTAL |

| 52200020 | <u>TEMPORARY SOIL RETENTION SYSTEM</u> | |
|----------|--|--|
| | <u>SQ FT</u> | <u>LOCATION</u> |
| | | US 52 |
| | 1,090 | Sta 259+13.74 - pending contractor design and approval per the engineer. |
| | <u>1,090</u> | TOTAL |

| 25000750 | <u>MOWING</u> | |
|----------|---------------|-------------------------------|
| | <u>ACRE</u> | <u>LOCATION</u> |
| | | US 52 |
| | 1.00 | Sta 254+25 to Sta 260+50 - RT |
| | 0.25 | Sta 258+50 to Sta 259+50 - LT |
| | 0.25 | Sta 254+25 to Sta 256+85 - RT |
| | <u>1.50</u> | TOTAL |

| 28000400 | <u>PERIMETER EROSION BARRIER</u> | |
|----------|----------------------------------|-------------------------------|
| | <u>FOOT</u> | <u>LOCATION</u> |
| | | US 52 |
| | 169 | Sta 254+31 to Sta 255+82 - RT |
| | 563 | Sta 255+68 to Sta 260+50 - RT |
| | <u>732</u> | TOTAL |

| 542A1069 | <u>PIPE CULVERTS, CLASS A, TYPE 2 24"</u> | |
|----------|---|-----------------------------------|
| | <u>FOOT</u> | <u>LOCATION</u> |
| | | US 52 |
| | 33 | Sta 259+13.74 (28' to 59.5' - RT) |
| | <u>33</u> | TOTAL |

| 25100630 | <u>EROSION CONTROL BLANKET</u> | |
|----------|--------------------------------|-------------------------------|
| | <u>SQ YD</u> | <u>LOCATION</u> |
| | | US 52 |
| | 4440 | Sta 254+25 to Sta 260+50 - RT |
| | 356 | Sta 258+50 to Sta 259+50 - LT |
| | <u>4796</u> | TOTAL |

| 28000500 | <u>INLET AND PIPE PROTECTION</u> | |
|----------|----------------------------------|-----------------------------|
| | <u>EACH</u> | <u>LOCATION</u> |
| | | US 52 |
| | 1 | Sta 259+13.81 (42.97' - RT) |
| | <u>1</u> | TOTAL |

| 542A1075 | <u>PIPE CULVERTS, CLASS A, TYPE 2 30"</u> | |
|----------|---|-------------------------------------|
| | <u>FOOT</u> | <u>LOCATION</u> |
| | | US 52 |
| | 28 | Sta 259+13.74 (63.5' to 91.5' - RT) |
| | <u>28</u> | TOTAL |

| 28100109 | <u>STONE RIPRAP, CLASS A5</u> | |
|----------|-------------------------------|-------------------------------|
| | <u>SQ YD</u> | <u>LOCATION</u> |
| | | US 52 |
| | 78 | Sta 255+43 to Sta 255+82 - RT |
| | <u>78</u> | TOTAL |

MODEL: Default
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| | | |
|------------------------------|------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0091' / In. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| SCHEDULE OF QUANTITIES | | | |
|------------------------|---------|---------|--------|
| SCALE: | SHEET 1 | OF 3 | SHEETS |
| | STA. | TO STA. | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------|---------|--------------|---------------------------|
| 17 | (1,2)SLP | CARROLL | 38 | 11 |
| | | | | CONTRACT NO. 64N50 |
| | | | | ILLINOIS FED. AID PROJECT |

| | | |
|-----------|-----------------------------------|--------------------------------------|
| X44001100 | <u>TEMPORARY PAVEMENT REMOVAL</u> | |
| | <u>SQ YD</u> | <u>LOCATION</u> |
| | | US 52 |
| | 100 | Sta 256+81.19 to 261+31.60 (2' wide) |
| | <u>100</u> | TOTAL |

| | | |
|----------|------------------|--------------------------|
| Z0054500 | <u>ROCK FILL</u> | |
| | <u>TON</u> | <u>LOCATION</u> |
| | | US 52 |
| | 32 | Culvert end section - LT |
| | 31 | 24" pipe culvert - RT |
| | 18 | 5' Manhole - RT |
| | 34 | 30" pipe culvert - RT |
| | 25 | Culvert end section - RT |
| | <u>140</u> | TOTAL |

| | | |
|----------|---|--|
| X5010205 | <u>REMOVAL OF EXISTING STRUCTURE, SPECIAL</u> | |
| | <u>EACH</u> | <u>LOCATION</u> |
| | | US 52 |
| | | Culvert End Section - Sta 259+13.74 (LT) |
| | | Manhole - Sta 259+13.74 (RT) |
| | | 30" existing pipe culvert - Sta 259+13.74 (RT) |
| | 1 | Culvert End Section - Sta 259+13.74 (RT) |
| | <u>1</u> | TOTAL |

| | | |
|----------|---------------------------|--------------------------------------|
| Z0062456 | <u>TEMPORARY PAVEMENT</u> | |
| | <u>SQ YD</u> | <u>LOCATION</u> |
| | | US 52 |
| | 100 | Sta 256+81.19 to 261+31.60 (2' wide) |
| | <u>100</u> | TOTAL |

| | | |
|----------|--|---------------------------------------|
| X5420624 | <u>PIPE CULVERTS TO BE CLEANED 24"</u> | |
| | <u>FOOT</u> | <u>LOCATION</u> |
| | | US 52 |
| | 94 | Sta 259+13.74 (29.30' LT to 59.5' RT) |
| | <u>94</u> | TOTAL |

| | | |
|----------|--|--|
| X6660117 | <u>REMOVE AND REERECT RIGHT OF WAY MARKERS</u> | |
| | <u>TON</u> | <u>LOCATION</u> |
| | | US 52 |
| | | Refer to corresponding special provision for existing and proposed right of way marker locations |
| | 4 | |
| | <u>4</u> | TOTAL |

| | | |
|----------|-------------------------------|--------------------------|
| Z0054402 | <u>ROCK FILL - EMBANKMENT</u> | |
| | <u>TON</u> | <u>LOCATION</u> |
| | | US 52 |
| | 1738 | Sta 256+00 to Sta 259+11 |
| | 470 | Sta 259+16 to Sta 260+00 |
| | <u>2208</u> | TOTAL |

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| | | |
|------------------------------|------------|-----------|
| USER NAME = cuccl0aj | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0091' / In. | DRAWN - | REVISED - |
| PLOT DATE = 3/12/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|---------|--------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 13 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

EARTH WORK SCHEDULE

20200100 20400800

| LOCATION | EARTH EXC (CUT) CU YD | EARTH EXC ADJ SHRINK 25% EARTH CU YD | EMBANK (FILL) CU YD | EARTH WORK BALANCE WASTE (+) SHORTAGE (-) CU YD | EARTH EXCAVATION CU YD | FURNISHED EXCAVATION CU YD |
|----------------------------|--------------------------------|--|---------------------------|---|------------------------------|----------------------------------|
| US 52 | | | | | | |
| EMBANKMENT | | | | | | |
| 254 + 28 - 254 + 37 | 3 | 2 | 0 | 2 | 3 | 2 |
| 254 + 37 - 254 + 50.54 | 6 | 4 | 0 | 4 | 6 | 4 |
| 254 + 50.5 - 255 + 1.09 | 11 | 8 | 3 | 5 | 11 | 5 |
| 255 + 1.09 - 255 + 29 | 4 | 3 | 12 | -10 | 4 | -10 |
| 255 + 29 - 255 + 56.84 | 3 | 2 | 45 | -43 | 3 | -43 |
| 255 + 56.8 - 255 + 81.45 | 28 | 21 | 44 | -23 | 28 | -23 |
| 255 + 81.5 - 256 + 00 | 137 | 103 | 94 | 9 | 137 | 9 |
| 256 + 00 - 256 + 50 | 458 | 344 | 451 | -108 | 458 | -108 |
| 256 + 50 - 257 + 00 | 325 | 244 | 459 | -215 | 325 | -215 |
| 257 + 00 - 257 + 50 | 378 | 284 | 429 | -145 | 378 | -145 |
| 257 + 50 - 258 + 00 | 376 | 282 | 419 | -137 | 376 | -137 |
| 258 + 00 - 258 + 50 | 355 | 266 | 477 | -211 | 355 | -211 |
| 258 + 50 - 259 + 00 | 348 | 261 | 509 | -247 | 348 | -247 |
| 259 + 00 - 259 + 13.74 | 233 | 175 | 184 | -9 | 233 | -9 |
| 259 + 13.7 - 259 + 50 | 614 | 461 | 499 | -39 | 614 | -39 |
| 259 + 50 - 260 + 00 | 338 | 253 | 471 | -218 | 338 | -218 |
| 260 + 00 - 260 + 50 | 169 | 126 | 196 | -69 | 169 | -69 |
| NORTH DITCH | | | | | | |
| 258 + 50 - 259 + 13.74 | 40 | 30 | 0 | 30 | 40 | 30 |
| 259 + 13.7 - 259 + 50 | 23 | 17 | 0 | 17 | 23 | 17 |
| SOUTH SPECIAL DITCH | | | | | | |
| 254 + 37 - 254 + 50.54 | 0 | 0 | 0 | 0 | 0 | 0 |
| 254 + 50.5 - 255 + 1.09 | 23 | 17 | 0 | 17 | 23 | 17 |
| 255 + 1.09 - 255 + 29 | 24 | 18 | 15 | 2 | 24 | 2 |
| 255 + 29 - 255 + 56.84 | 89 | 67 | 15 | 52 | 89 | 52 |
| 255 + 56.8 - 255 + 81.45 | 159 | 119 | 0 | 119 | 159 | 119 |
| 255 + 81.5 - 256 + 00 | 48 | 36 | 0 | 36 | 48 | 36 |
| TOTAL | 4192 | 3144 | 4324 | -1180 | 4195 | -1180 |

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| | | |
|------------------------------|------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0091' / In. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

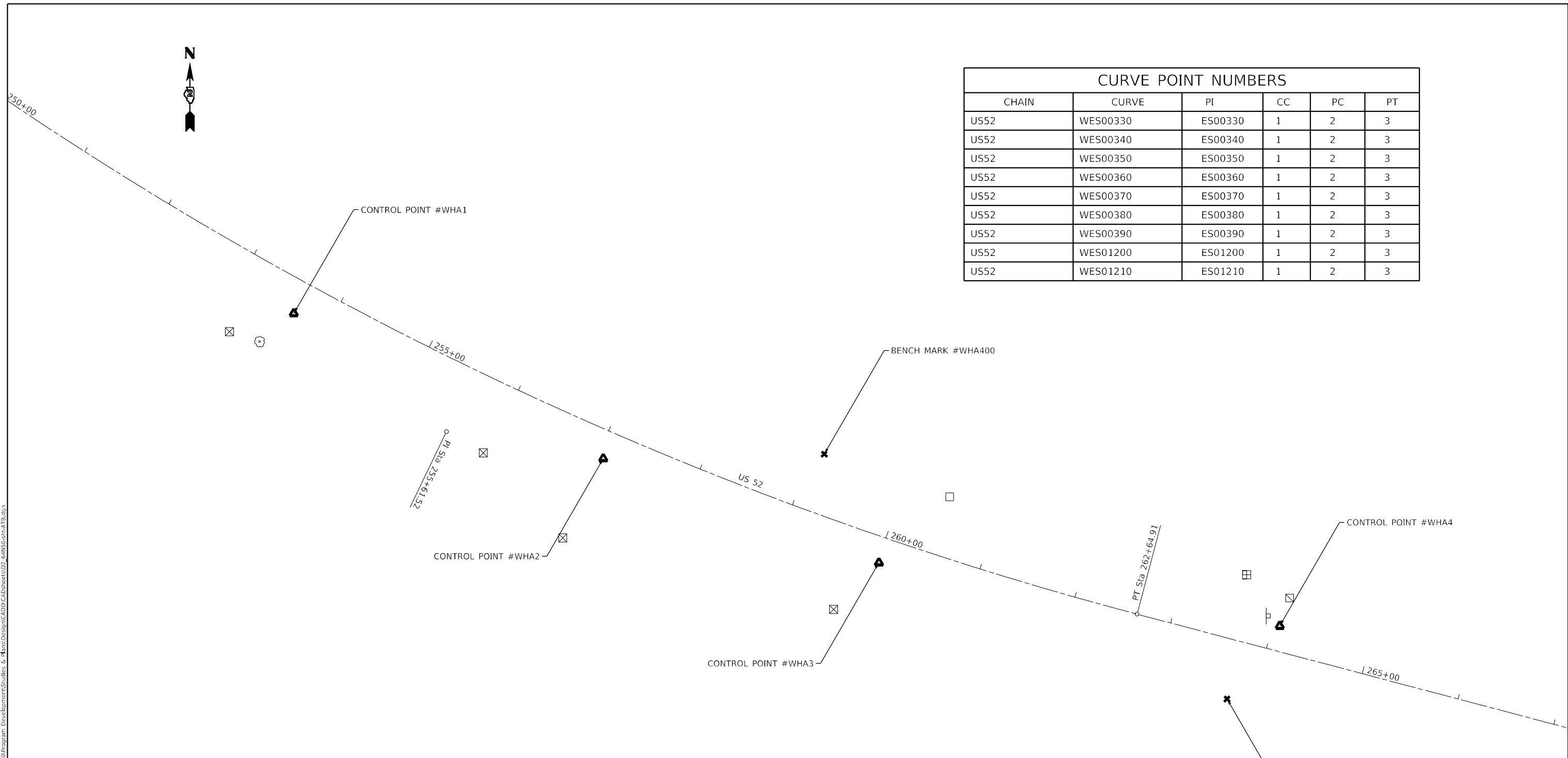
EARTHWORK SCHEDULE

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|---------|--------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 14 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

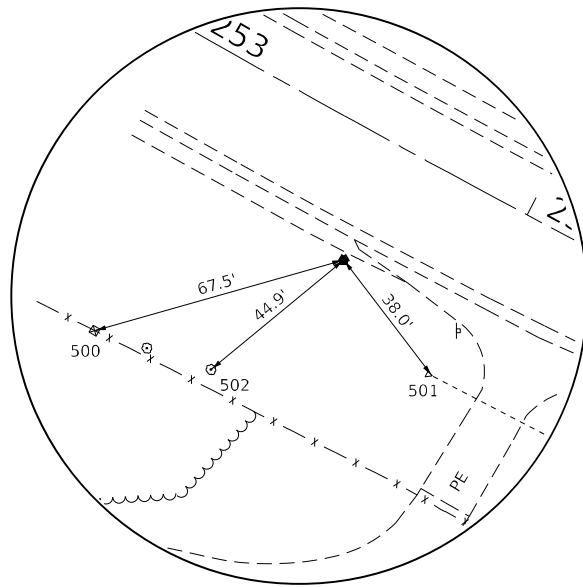


| CURVE POINT NUMBERS | | | | | |
|---------------------|----------|---------|----|----|----|
| CHAIN | CURVE | PI | CC | PC | PT |
| US52 | WES00330 | ES00330 | 1 | 2 | 3 |
| US52 | WES00340 | ES00340 | 1 | 2 | 3 |
| US52 | WES00350 | ES00350 | 1 | 2 | 3 |
| US52 | WES00360 | ES00360 | 1 | 2 | 3 |
| US52 | WES00370 | ES00370 | 1 | 2 | 3 |
| US52 | WES00380 | ES00380 | 1 | 2 | 3 |
| US52 | WES00390 | ES00390 | 1 | 2 | 3 |
| US52 | WES01200 | ES01200 | 1 | 2 | 3 |
| US52 | WES01210 | ES01210 | 1 | 2 | 3 |

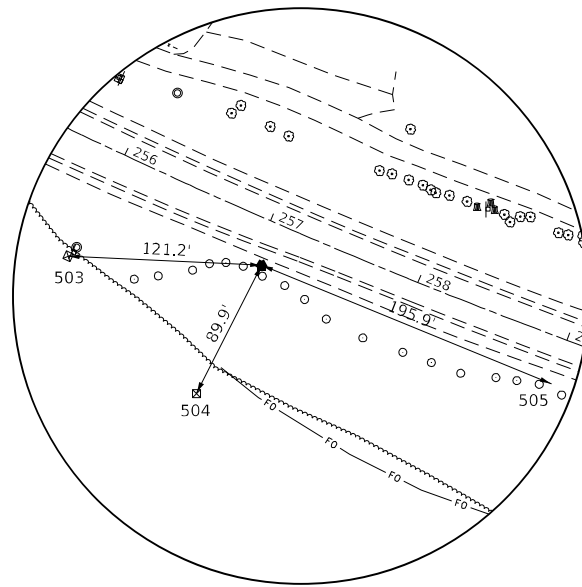


| BENCH MARKS | | | | | | | |
|-------------|--------------|--------------|-----------|-------|-------------|-------------|--------------------------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| WHA400 | 1976522.6104 | 2317098.3857 | 811.5780 | US52 | 259+12.3325 | 59.2415' LT | VERTICAL CONTROL STATION, HEADWALL |
| WHA401 | 1976275.3650 | 2317504.8998 | 818.6560 | US52 | 263+74.6454 | 59.52' RT | VERTICAL CONTROL STATION, POWER POLE |

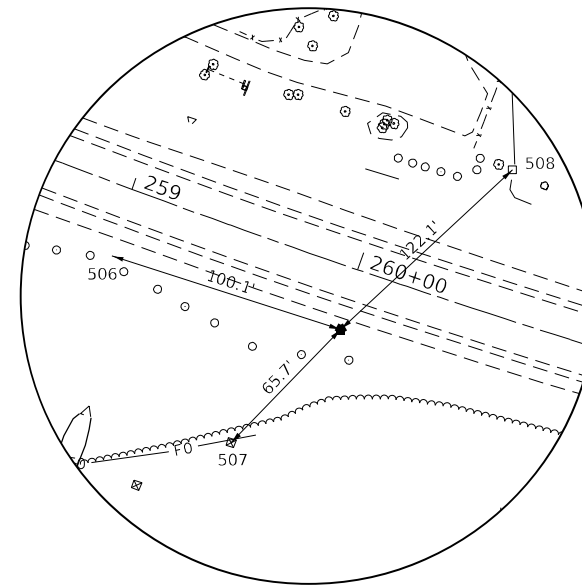
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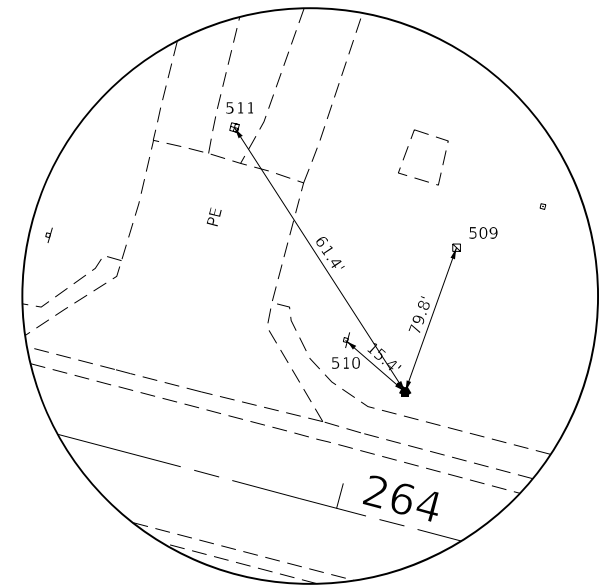
HORIZONTAL CONTROL POINT #WHA1



HORIZONTAL CONTROL POINT #WHA2



HORIZONTAL CONTROL POINT #WHA3



HORIZONTAL CONTROL POINT #WHA4

| HORIZONTAL CONTROL POINTS | | | | | | | |
|---------------------------|--------------|--------------|-----------|-------|-------------|-------------|------------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| WHA1 | 1976664.6714 | 2316563.0364 | 824.4840 | US52 | 253+63.7263 | 32.977' RT | GPS CONTROL POINT, PIN |
| WHA2 | 1976518.0955 | 2316875.3027 | 813.7460 | US52 | 257+05.9812 | 27.8175' RT | GPS CONTROL POINT, PIN |
| WHA3 | 1976412.8585 | 2317153.4434 | 811.8110 | US52 | 260+01.3176 | 25.7913' RT | GPS CONTROL POINT, PIN |
| WHA4 | 1976349.0590 | 2317558.0161 | 817.8470 | US52 | 264+07.1585 | 25.3036' LT | GPS CONTROL POINT, PIN |
| WHA5 | 1976212.7235 | 2317877.4386 | 817.0340 | US52 | 267+50.8195 | 24.8483' RT | GPS CONTROL POINT, PIN |

| REFERENCE TIES | | | | | | |
|----------------|--------------|--------------|-------|-------------|--------------|-----------------------|
| POINT | NORTH | EAST | CHAIN | STATION | OFFSET | DESCRIPTION |
| 500 | 1976646.1935 | 2316498.0931 | US52 | 253+16.5877 | 80.6121' RT | R.O.W. MARKER |
| 501 | 1976634.4457 | 2316586.0252 | US52 | 253+97.9406 | 48.6541' RT | PIPE CULVERT |
| 502 | 1976636.0765 | 2316528.4134 | US52 | 253+47.3607 | 74.7002' RT | TREE DECIDUOUS |
| 503 | 1976523.7779 | 2316754.2187 | US52 | 255+94.7190 | 72.3353' RT | R.O.W. MARKER |
| 504 | 1976437.9335 | 2316834.5273 | US52 | 257+00.5327 | 117.5824' RT | R.O.W. MARKER |
| 505 | 1976443.9298 | 2317056.5702 | US52 | 259+00.3735 | 29.061' RT | PIPE CULVERT |
| 506 | 1976443.4556 | 2317058.0891 | US52 | 259+01.9502 | 28.9764' RT | PIPE CULVERT |
| 507 | 1976365.6617 | 2317107.7122 | US52 | 259+73.9145 | 85.3355' RT | R.O.W. MARKER |
| 508 | 1976479.3866 | 2317225.0012 | US52 | 260+48.2964 | 59.9989' LT | ELECTRICAL SPLICE BOX |
| 509 | 1976377.2167 | 2317568.0199 | US52 | 264+09.6320 | 55.083' LT | HANDHOLE |
| 510 | 1976359.1955 | 2317546.4099 | US52 | 263+93.3467 | 32.1364' LT | STREET - SIGN |
| 511 | 1976400.6743 | 2317524.6947 | US52 | 263+61.7498 | 66.6861' LT | TELEPHONE SPLICE BOX |

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 PROJECT: 64N50 Program Development Studies & Plans Design
 OFFICE: District 2
 DATE: 3/17/2021

| | | |
|------------------------------|------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0091' / In. | CHECKED - | REVISED - |
| PLOT DATE = 3/17/2021 | DATE - | REVISED - |

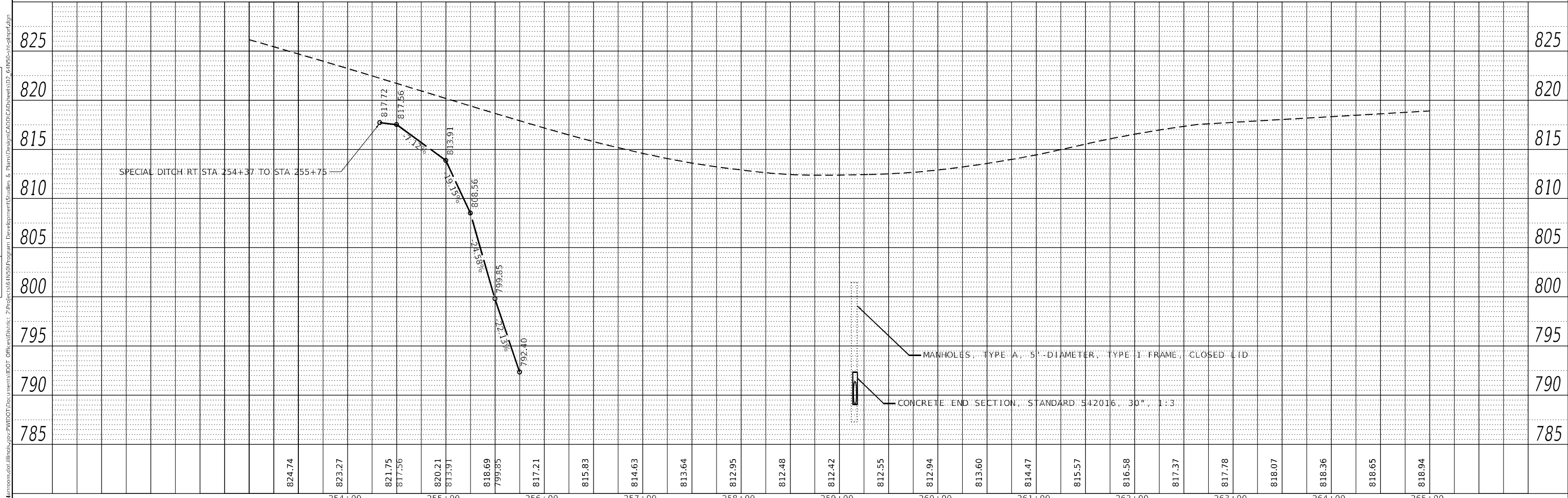
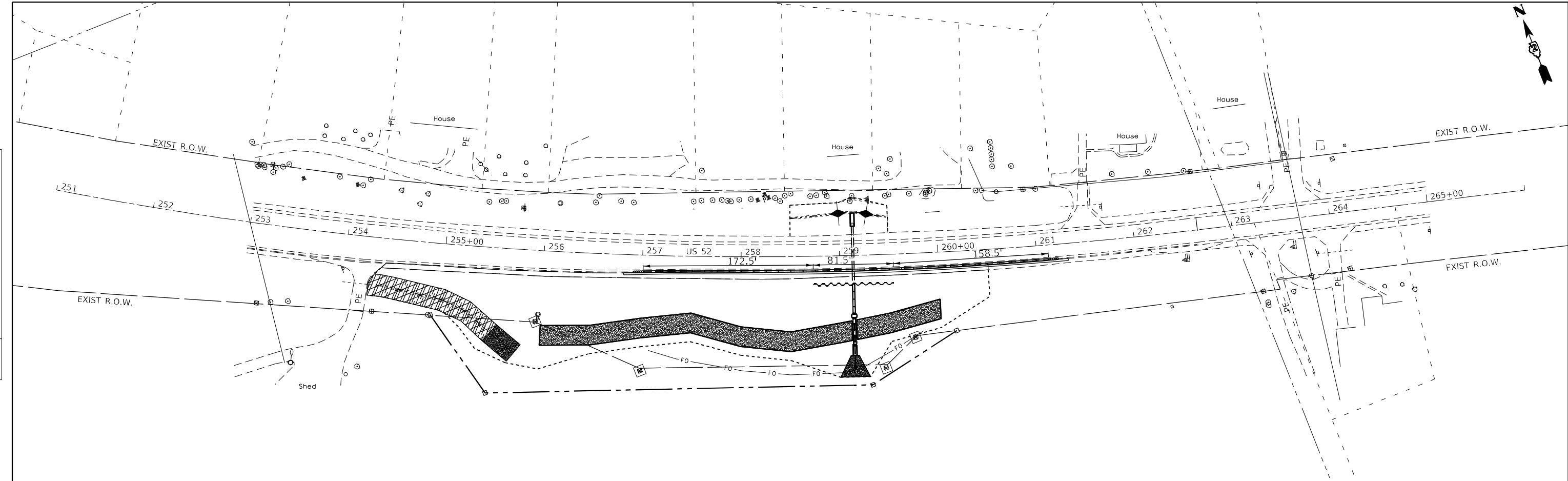
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|--|-------|-----------|--------------|
| US 52 | | | |
| HORIZONTAL & VERTICAL CONTROL | | | |
| SCALE: | SHEET | OF SHEETS | STA. TO STA. |

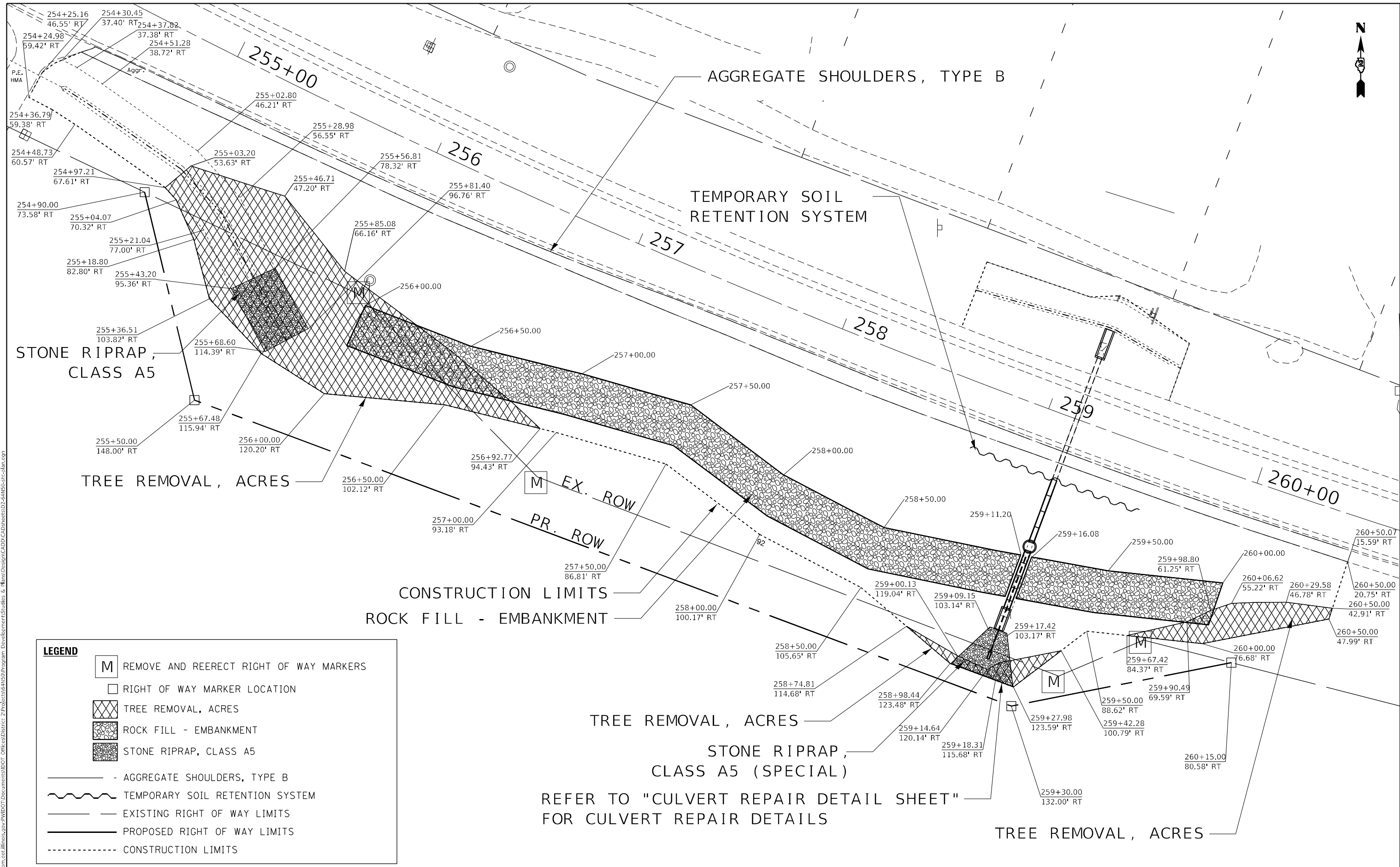
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|---------------------------|----------|---------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 17 | (1,2)SLP | CARROLL | 38 | 16 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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



| | | | | | | | | | | | |
|-----------------------------|------------|-----------|---|-----------------------------------|---------------------|----------------------------|--------------------|----------------|---------------------------|--------------|--|
| USER NAME = cuccloaj | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | US 52 PLAN AND PROFILE | | F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 17 | |
| PLOT SCALE = 100,000' / in. | CHECKED - | REVISED - | | SCALE: | SHEET 1 OF 1 SHEETS | STA. 254+00 TO STA. 260+50 | CONTRACT NO. 64N50 | | ILLINOIS FED. AID PROJECT | | |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - | | | | | | | | | |
| | | | | | | | | | | | |



STONE RIPRAP,
CLASS A5

TREE REMOVAL, ACRES

CONSTRUCTION LIMITS
ROCK FILL - EMBANKMENT

TREE REMOVAL, ACRES

STONE RIPRAP,
CLASS A5 (SPECIAL)

REFER TO "CULVERT REPAIR DETAIL SHEET"
FOR CULVERT REPAIR DETAILS

TREE REMOVAL, ACRES

LEGEND

- M REMOVE AND REERECT RIGHT OF WAY MARKERS
- RIGHT OF WAY MARKER LOCATION
- TREE REMOVAL, ACRES
- ROCK FILL - EMBANKMENT
- STONE RIPRAP, CLASS A5
- AGGREGATE SHOULDERS, TYPE B
- ~~~~~ TEMPORARY SOIL RETENTION SYSTEM
- EXISTING RIGHT OF WAY LIMITS
- PROPOSED RIGHT OF WAY LIMITS
- - - - - CONSTRUCTION LIMITS

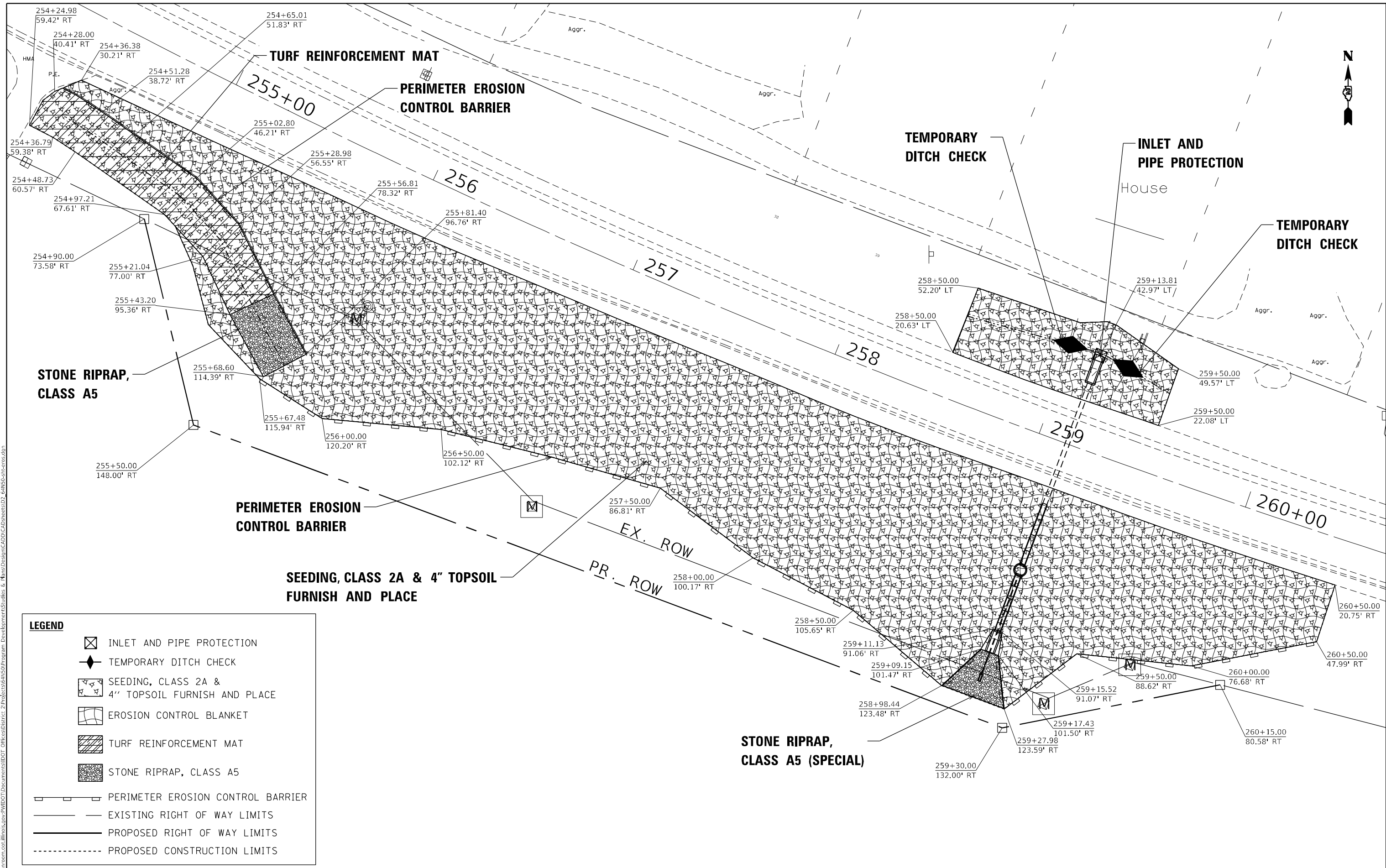
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 PLOT DATE = 3/12/2021

| | | |
|-----------------------------|------------|-----------|
| USER NAME = cuccioaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,0036' / in. | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|-------------------|---------|-------------|--------------|
| PLAN SHEET | | | |
| SCALE: | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|------------------|----------------|-----------------|--------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 18 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- SEEDING, CLASS 2A & 4" TOPSOIL FURNISH AND PLACE
- EROSION CONTROL BLANKET
- TURF REINFORCEMENT MAT
- STONE RIPRAP, CLASS A5
- PERIMETER EROSION CONTROL BARRIER
- EXISTING RIGHT OF WAY LIMITS
- PROPOSED RIGHT OF WAY LIMITS
- PROPOSED CONSTRUCTION LIMITS

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| | | |
|-----------------------------|------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 40,0036' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL SHEET

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

| | | | | |
|---------------------------|------------------|----------------|-----------------|--------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 19 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

REMOVAL OF EXISTING STRUCTURE, SPECIAL

CONCRETE END SECTION,
STANDARD 542001, 24", 1:4

259+13.76
29.30' LT

259

94' - INSERTION
CULVERT LINER 24"

TEMPORARY SOIL
RETENTION SYSTEM

33' - PIPE CULVERTS,
CLASS A, TYPE 2 24"

259+13.43
61.47' RT

REMOVAL OF EXISTING STRUCTURE, SPECIAL

30' - PIPE CULVERTS,
CLASS A, TYPE 2 24"

259+13.33
91.07' RT

MANHOLES, TYPE A,
5' -DIAMETER,
TYPE 5 FRAME,
CLOSED LID

PIPE UNDERDRAINS, TYPE 3

CONCRETE END SECTION, STANDARD 542001, 30", 1:3

REMOVAL OF EXISTING STRUCTURE, SPECIAL

259+09.15
101.47' RT

8.50'

259+17.43
101.50' RT

22.02'

PIPE UNDERDRAINS 4" (SPECIAL)
CONCRETE HEADWALLS FOR PIPE DRAINS
STONE RIPRAP, CLASS A5 (SPECIAL)
FILTER FABRIC

258+98.44
123.48' RT

30.52'

259+27.98
123.59' RT



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 PLOT SCALE = 40,0036' / in.
 PLOT DATE = 3/12/2021

| | | |
|---------------------|------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT REPAIR DETAIL SHEET

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------|---------|---------------------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 20 |
| CONTRACT NO. 64N50 | | | ILLINOIS FED. AID PROJECT | |

BORING LOGS



Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 1 of 2

Date 7/20/16

ROUTE FAP 17 DESCRIPTION D92-016-19 - Culvert and slope failure LOGGED BY W. Garza

SECTION (1,2) RS:(3-1) RS-1 LOCATION Mt. Carroll - NW7, SEC. , TWP. 24N, RNG. 4E

COUNTY Carroll CORING METHOD _____

STRUCT. NO. _____ Station 259+15 Core Diameter _____ in
Top of Rock Elev. _____ ft
Begin Core Elev. _____ ft

BORING NO. B-2 Latitude _____
Station 256+02 Longitude _____
Offset 24.00ft Rt of CL Northing _____
Ground Surface Elev. 99.40 ft Easting _____

| CORING BARREL TYPE & SIZE | DEPTH | CORRECTION | RECOVERY | R.Q.D. | CORE TIME | STRENGTH |
|----------------------------------|-------|------------|----------|--------|-----------|----------|
| | | | | | | |
| MEDIUM brown SILTY CLAY LOAM | | | | | | |
| | 97.40 | | | | | |
| STIFF brown SILTY LOAM | | | | | | |
| | 95.90 | | | | | |
| VERY STIFF gray CLAY | | | | | | |
| | 93.40 | | | | | |
| STIFF brown SILTY LOAM | | | | | | |
| | 90.90 | | | | | |
| STIFF brown SILTY LOAM | | | | | | |
| | 88.40 | | | | | |
| MEDIUM brown SILTY LOAM | | | | | | |
| | 85.90 | | | | | |
| MEDIUM brown SILTY LOAM | | | | | | |
| | 83.40 | | | | | |
| SOFT brown SILTY LOAM | | | | | | |
| | 80.90 | | | | | |
| MEDIUM brown and gray SILTY LOAM | | | | | | |
| | 78.40 | | | | | |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 2

Date 7/20/16

ROUTE FAP 17 DESCRIPTION D92-016-19 - Culvert and slope failure LOGGED BY W. Garza

SECTION (1,2) RS:(3-1) RS-1 LOCATION Mt. Carroll - NW7, SEC. , TWP. 24N, RNG. 4E

COUNTY Carroll CORING METHOD _____

STRUCT. NO. _____ Station 259+15 Core Diameter _____ in
Top of Rock Elev. _____ ft
Begin Core Elev. _____ ft

BORING NO. B-2 Latitude _____
Station 256+02 Longitude _____
Offset 24.00ft Rt of CL Northing _____
Ground Surface Elev. 99.40 ft Easting _____

| CORING BARREL TYPE & SIZE | DEPTH | CORRECTION | RECOVERY | R.Q.D. | CORE TIME | STRENGTH |
|--|-------|------------|----------|--------|-----------|----------|
| | | | | | | |
| MEDIUM brown and gray SILTY LOAM (continued) | | | | | | |
| | 78.40 | | | | | |
| SOFT gray SILTY LOAM | | | | | | |
| | 75.90 | | | | | |
| SOFT gray SILTY LOAM | | | | | | |
| | 73.40 | | | | | |
| End of Boring | | | | | | |
| | 30 | | | | | |
| | 35 | | | | | |
| | 40 | | | | | |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

MOBILE Default FILE NAME: p:\publanroom\ca\illinois\gov\WIDOT\Documents\IDOT_Offices\District_2\Projects\64N50\Program_Development\Studies & Plans\Design\CADD\CAD\Sheet\02-64N50_cht\borlog.dgn

| | | |
|------------------------------|-------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| DRAWN - | REVISIONS - | |
| PLOT SCALE = 100,0091' / In. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

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

| | | | | |
|--------------------|------------------|----------------|---------------------------|--------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 22 |
| CONTRACT NO. 64N50 | | | ILLINOIS FED. AID PROJECT | |

BORING LOGS



Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 1 of 2

Date 7/25/16

ROUTE FAP 17 DESCRIPTION D92-016-19 - Culvert and slope failure LOGGED BY W. Garza

SECTION (1,2) RS:(3-1) RS-1 LOCATION Mt. Carroll - NW7, SEC. , TWP. 24N, RNG. 4E

COUNTY Carroll CORING METHOD _____

STRUCT. NO. _____ Station 259+15 Core Diameter _____ in
Top of Rock Elev. _____ ft
Begin Core Elev. _____ ft

BORING NO. B-5 Latitude _____
Station 258+98 Longitude _____
Offset 22.00ft Rt of CL Northing _____
Ground Surface Elev. 99.20 ft Easting _____

| CORING BARREL TYPE & SIZE | DEPTH (ft) | CORRECTION (#) | RECOVERY (%) | R.Q.D. (%) | CORE TIME (min/ft) | STRENGTH (tsf) |
|---|------------|----------------|--------------|------------|--------------------|----------------|
| | | | | | | |
| MEDIUM brown SILTY CLAY LOAM | | | | | | |
| | 97.20 | | | | | |
| STIFF brown SILTY CLAY LOAM | | | | | | |
| | 95.70 | | | | | |
| VERY STIFF brown and gray SILTY CLAY LOAM | | | | | | |
| | 93.20 | | | | | |
| MEDIUM brown and gray SILTY LOAM | | | | | | |
| | 90.70 | | | | | |
| MEDIUM gray SILTY LOAM | | | | | | |
| | 88.20 | | | | | |
| SOFT brown SILTY LOAM | | | | | | |
| | 85.70 | | | | | |
| VERY SOFT brown SILTY LOAM | | | | | | |
| | 83.20 | | | | | |
| VERY SOFT brown SILTY LOAM | | | | | | |
| | 80.70 | | | | | |
| VERY SOFT brown and gray SILTY LOAM | | | | | | |
| | 78.20 | | | | | |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 2

Date 7/25/16

ROUTE FAP 17 DESCRIPTION D92-016-19 - Culvert and slope failure LOGGED BY W. Garza

SECTION (1,2) RS:(3-1) RS-1 LOCATION Mt. Carroll - NW7, SEC. , TWP. 24N, RNG. 4E

COUNTY Carroll CORING METHOD _____

STRUCT. NO. _____ Station 259+15 Core Diameter _____ in
Top of Rock Elev. _____ ft
Begin Core Elev. _____ ft

BORING NO. B-5 Latitude _____
Station 258+98 Longitude _____
Offset 22.00ft Rt of CL Northing _____
Ground Surface Elev. 99.20 ft Easting _____

| CORING BARREL TYPE & SIZE | DEPTH (ft) | CORRECTION (#) | RECOVERY (%) | R.Q.D. (%) | CORE TIME (min/ft) | STRENGTH (tsf) |
|---|------------|----------------|--------------|------------|--------------------|----------------|
| | | | | | | |
| VERY SOFT brown and gray SILTY LOAM (continued) | | | | | | |
| | 78.20 | | | | | |
| VERY SOFT brown SILTY LOAM | | | | | | |
| | 75.70 | | | | | |
| VERY SOFT brown and gray SILTY LOAM | | | | | | |
| | 73.20 | | | | | |
| End of Boring | | | | | | |
| | 30.70 | | | | | |
| | 28.20 | | | | | |
| | 25.70 | | | | | |
| | 23.20 | | | | | |
| | 20.70 | | | | | |
| | 18.20 | | | | | |
| | 15.70 | | | | | |
| | 13.20 | | | | | |
| | 10.70 | | | | | |
| | 8.20 | | | | | |
| | 5.70 | | | | | |
| | 3.20 | | | | | |
| | 0.70 | | | | | |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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| | | |
|------------------------------|------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0091' / In. | DRAWN - | REVISED - |
| PLOT DATE = 3/12/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

| | | | | |
|--------------------|------------------|----------------|---------------------------|--------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 25 |
| CONTRACT NO. 64N50 | | | ILLINOIS FED. AID PROJECT | |

BORING LOGS



Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 1 of 2

Date 4/25/19

ROUTE FAP 17 DESCRIPTION D92-016-19 - 0.3 mi E. of Dauphin Rd, Culvert repair LOGGED BY W. Garza

SECTION (1,2) RS:(3-1) RS-1 LOCATION Mt. Carroll - NW7, SEC. , TWP. 24N, RNG. 4E

COUNTY Carroll CORING METHOD _____

STRUCT. NO. _____ Core Diameter _____ in
Station 259+15 Top of Rock Elev. _____ ft
Begin Core Elev. _____ ft

BORING NO. B-7 Latitude _____
Station 260+02 Longitude _____
Offset 26.00ft Lt of CL Northing _____
Ground Surface Elev. 811.58 ft Easting _____

| DEPTH | CORRECTION | RECOVERY | R.Q.D. | CORE TIME | STRENGTH |
|-------|------------|----------|--------|-----------|----------|
| (ft) | (#) | (%) | (%) | (min/ft) | (tsf) |

| | | | | | |
|-----------------------------------|--|--|--|--|--|
| STIFF light brown SILTY CLAY LOAM | | | | | |
| | | | | | |
| | | | | | |
| STIFF brown SILTY CLAY LOAM | | | | | |
| | | | | | |
| | | | | | |
| SOFT brown SILTY LOAM | | | | | |
| | | | | | |
| | | | | | |
| SOFT light brown SILTY LOAM | | | | | |
| | | | | | |
| | | | | | |
| VERY SOFT tan SILT | | | | | |
| | | | | | |
| | | | | | |
| VERY SOFT tan SILT | | | | | |
| | | | | | |
| | | | | | |
| VERY SOFT light gray SILT | | | | | |
| | | | | | |
| | | | | | |
| MEDIUM light gray SILTY LOAM | | | | | |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 2

Date 4/25/19

ROUTE FAP 17 DESCRIPTION D92-016-19 - 0.3 mi E. of Dauphin Rd, Culvert repair LOGGED BY W. Garza

SECTION (1,2) RS:(3-1) RS-1 LOCATION Mt. Carroll - NW7, SEC. , TWP. 24N, RNG. 4E

COUNTY Carroll CORING METHOD _____

STRUCT. NO. _____ Core Diameter _____ in
Station 259+15 Top of Rock Elev. _____ ft
Begin Core Elev. _____ ft

BORING NO. B-7 Latitude _____
Station 260+02 Longitude _____
Offset 26.00ft Lt of CL Northing _____
Ground Surface Elev. 811.58 ft Easting _____

| DEPTH | CORRECTION | RECOVERY | R.Q.D. | CORE TIME | STRENGTH |
|-------|------------|----------|--------|-----------|----------|
| (ft) | (#) | (%) | (%) | (min/ft) | (tsf) |

| | | | | | |
|----------------------------|--|--|--|--|--|
| SOFT light gray SILTY LOAM | | | | | |
| | | | | | |
| | | | | | |
| VERY SOFT tan SILT | | | | | |
| | | | | | |
| | | | | | |
| End of Boring | | | | | |

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

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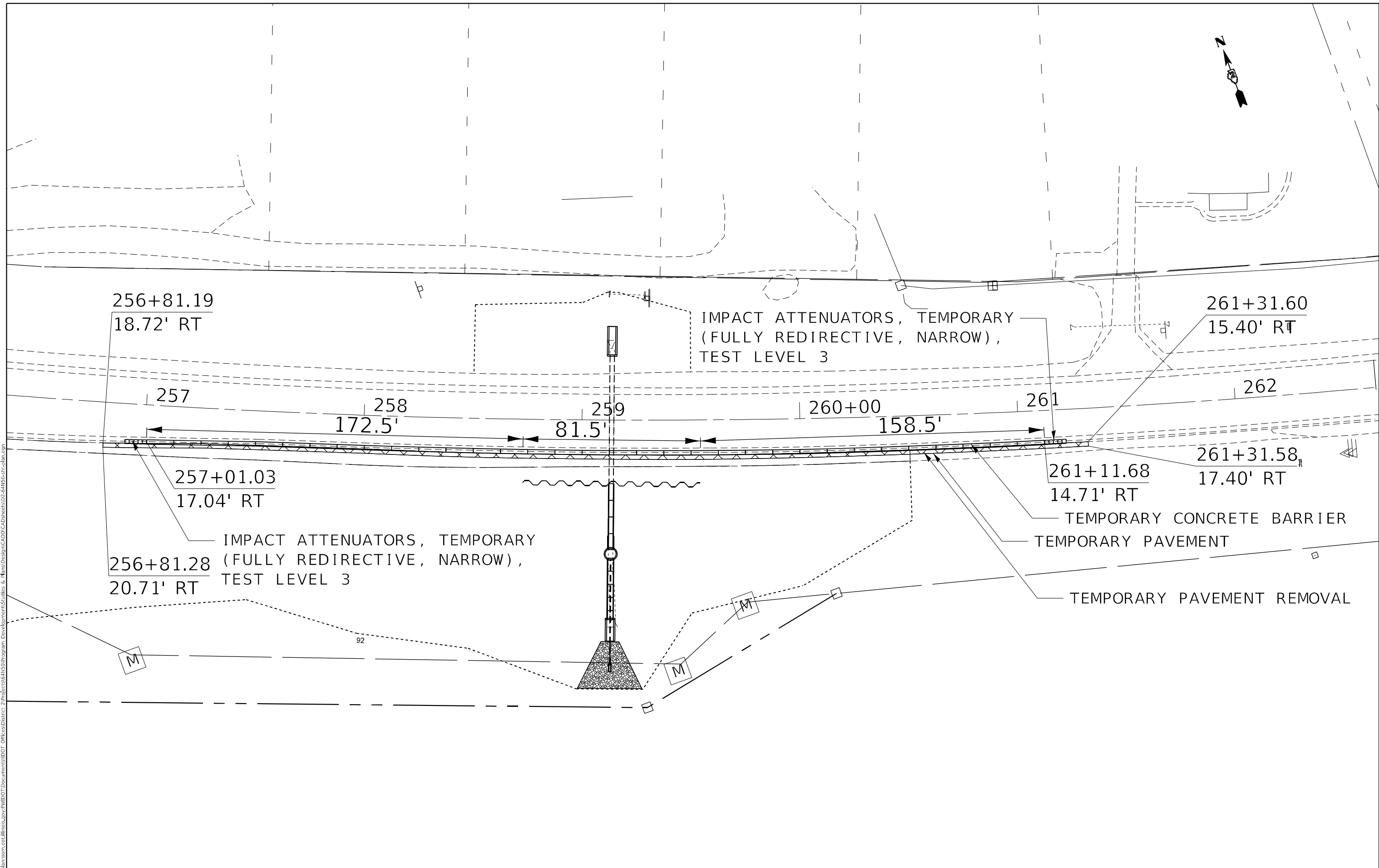
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| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0091' / In. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|---------|--------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 27 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



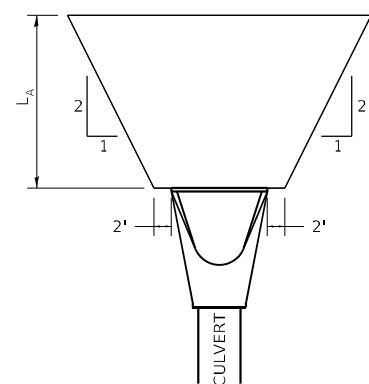
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|-----------------------------|------------|-----------|
| USER NAME = cucclaj | DESIGNED - | REVISED - |
| PLOT SCALE = 40,0036' / in. | DRAWN - | REVISED - |
| PLOT DATE = 3/17/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

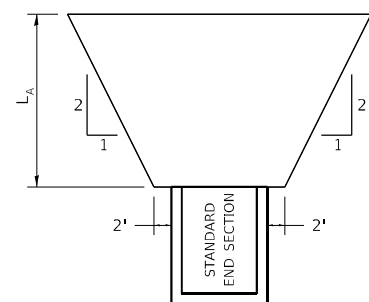
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| TEMPORARY CONCRETE BARRIER DETAIL | | | | |
| SCALE: | SHEET | OF | SHEETS | STA. TO STA. |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------|---------|--------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 29 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

RIPRAP AT END SECTIONS



FLARED END SECTION

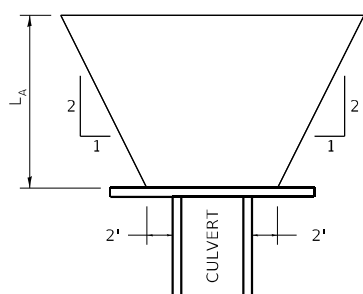


STANDARD END SECTION

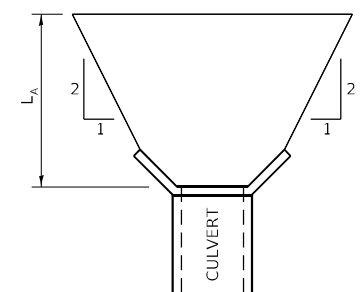
L_A = APRON LENGTH (ft)

IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, RIPRAP BANK TO BANK FOR LENGTH (L_A).

STANDARD END SECTION:
542001 (PIPE), 542011 (ELLIPTICAL)
DISTRICT STANDARD 10.1 (BOX).



CULVERT WITH HEADWALL

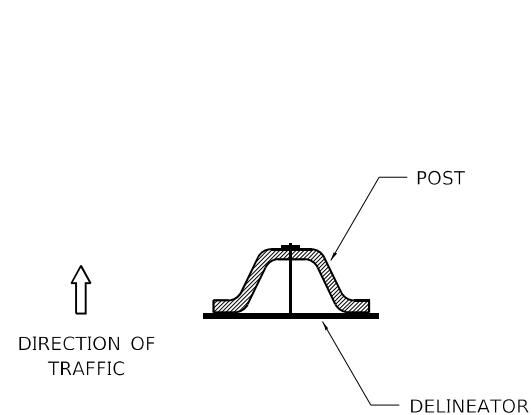


CULVERT WITH WING WALLS

REVISED - 7-13-16
REVISED - 11-12-14
REVISED - 2-10-14

RIPRAP AT END SECTIONS 19.4

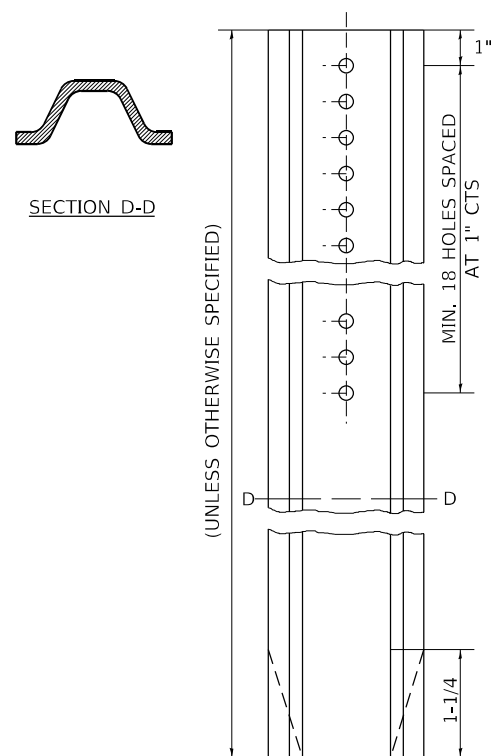
DELINEATOR AND POST ORIENTATION



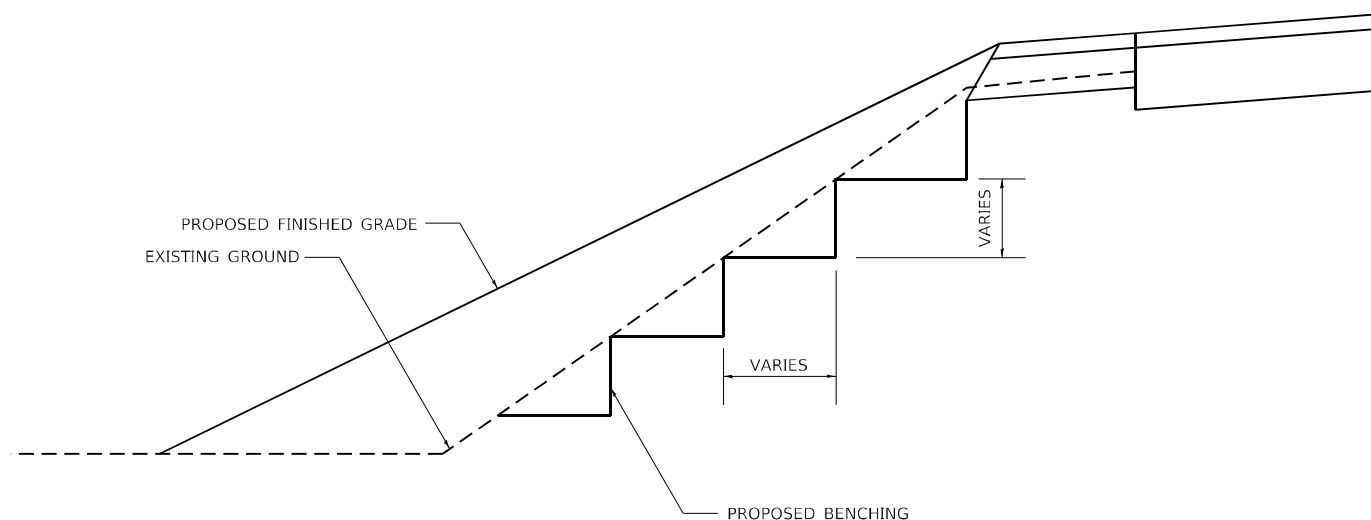
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11



TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06
REVISED -
REVISED -
REVISED -

REGION 2 / DISTRICT 2 STANDARD

SCALE: 100,000' / SHEET 1 OF 3 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------|---------|--------------|-----------|
| 17 | (1,2)SLP | CARROLL | 38 | 30 |
| CONTRACT NO. 64N50 | | | | |

ILLINOIS FED. AID PROJECT

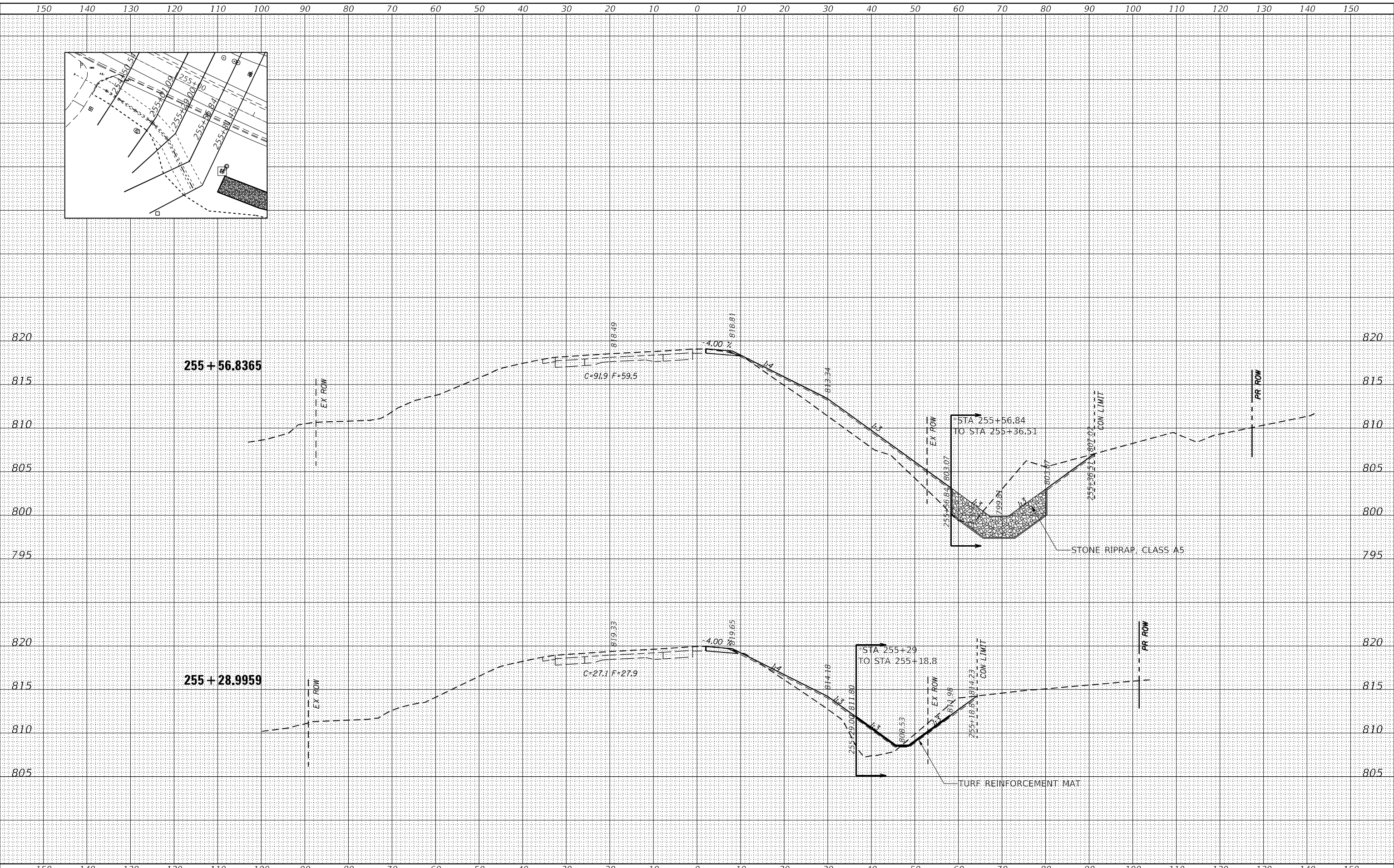
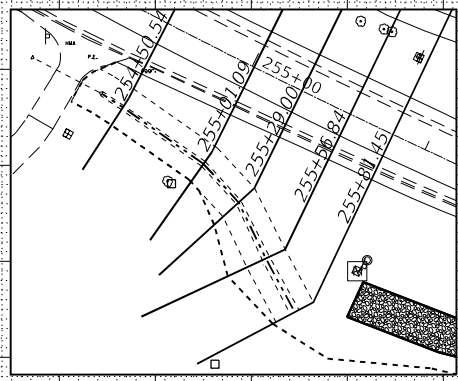
DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

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

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

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| | | |
|-----------------------------|------------|-----------|
| USER NAME = cucloaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 52
 MAINLINE CROSS SECTIONS**

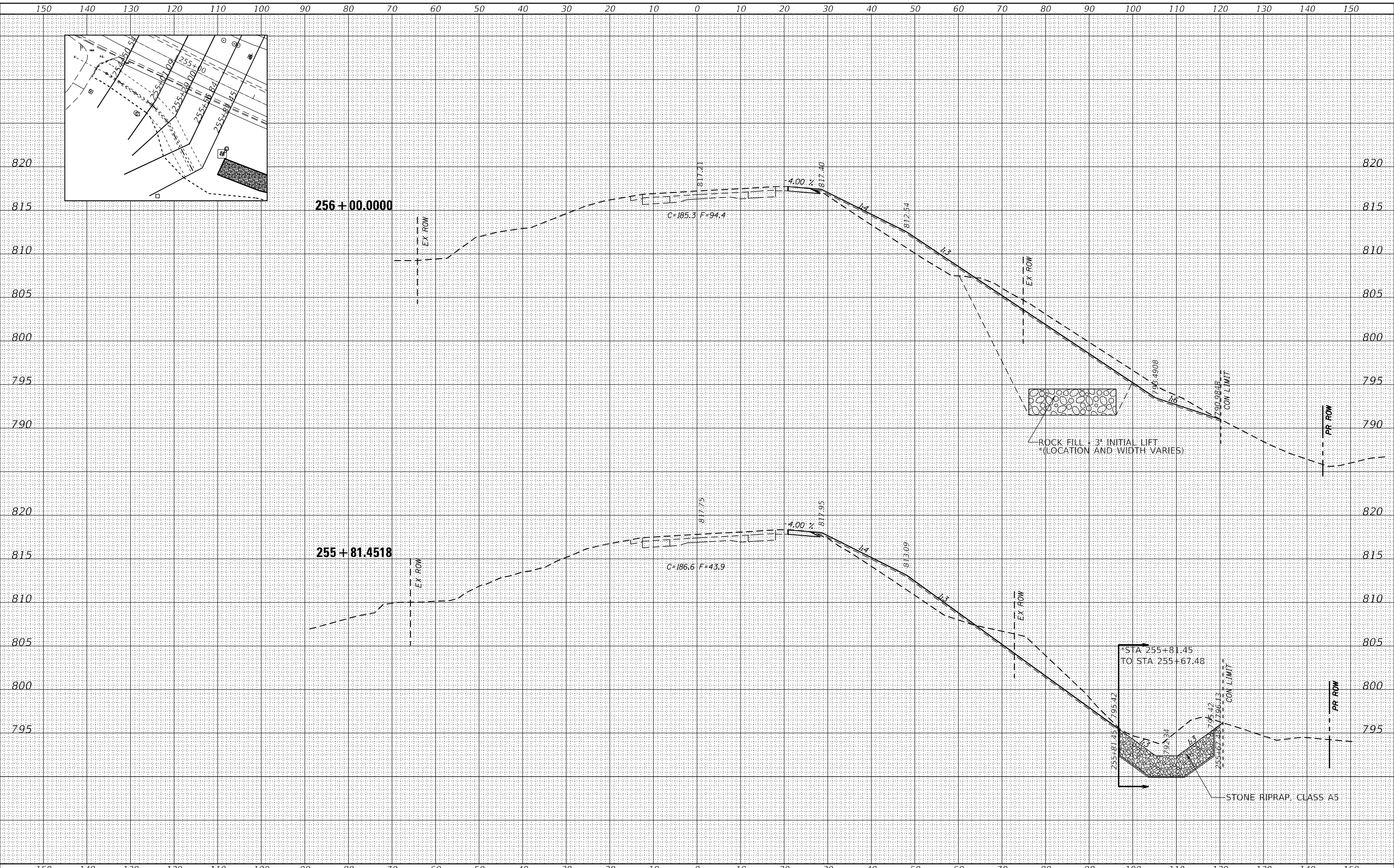
SCALE: SHEET 2 OF 8 SHEETS STA. 255+28.9959 TO STA. 255+56.8365

| | | | | |
|---------------------------|------------------|----------------|--------------------|--------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 32 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 64N50 | |

| | |
|---------------|--|
| 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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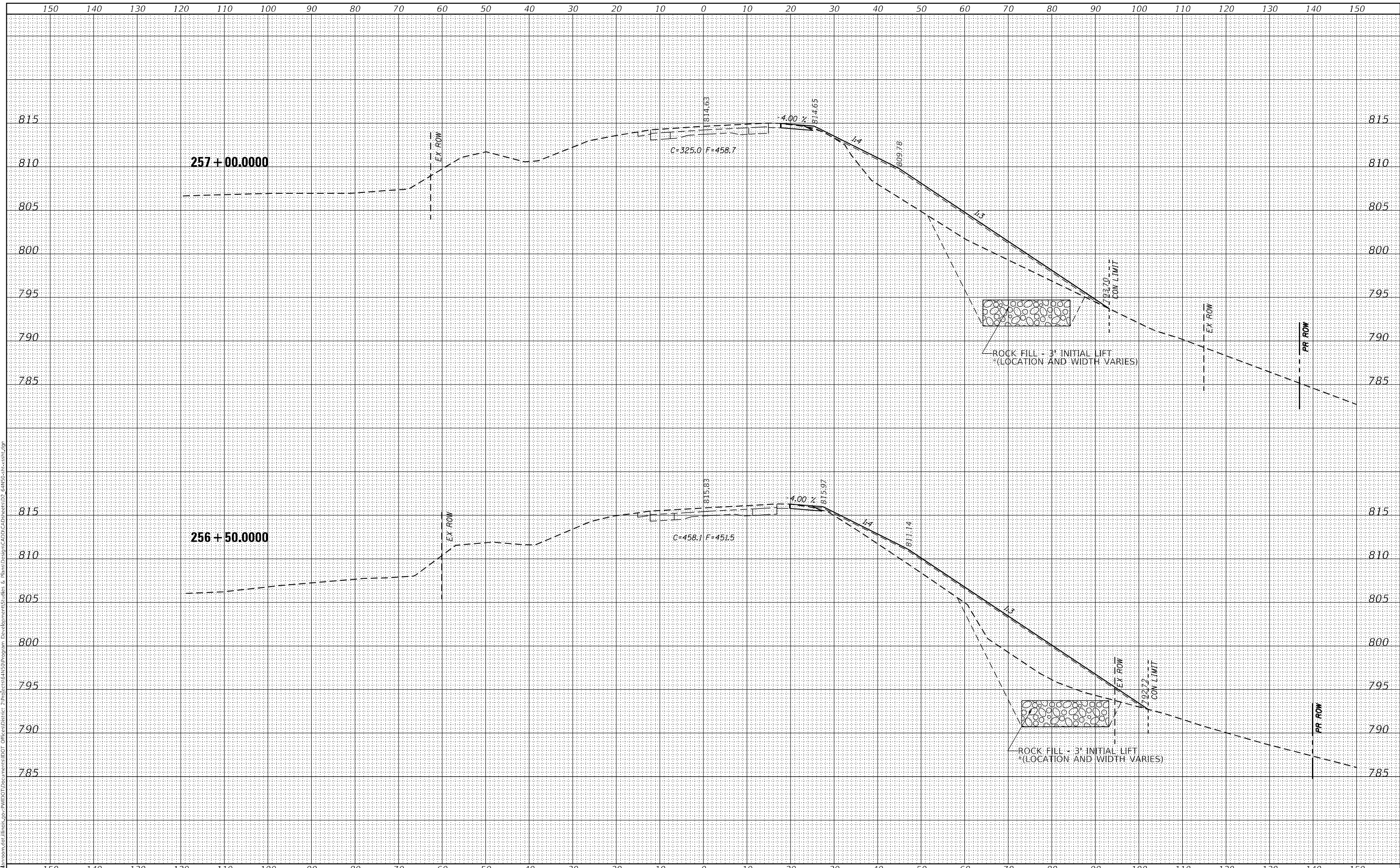


| | | | | | | | | | | | | |
|-----------------------------|------------|-----------|---|--|---------|-------------|------------------|---------------------|--------------------|-----------------|--------------|--|
| USER NAME = cucloaj | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | US 52 MAINLINE CROSS SECTIONS | | | F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 33 | |
| PLOT SCALE = 20,0000' / in. | CHECKED - | REVISED - | | SCALE: | SHEET 3 | OF 8 SHEETS | STA. 255+81.4518 | TO STA. 256+00.0000 | CONTRACT NO. 64N50 | | | |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | | |
| | | | | | | | | | | | | |

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

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

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| | | |
|------------------------------|------------|-----------|
| USER NAME = cucloaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20,0000 * / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

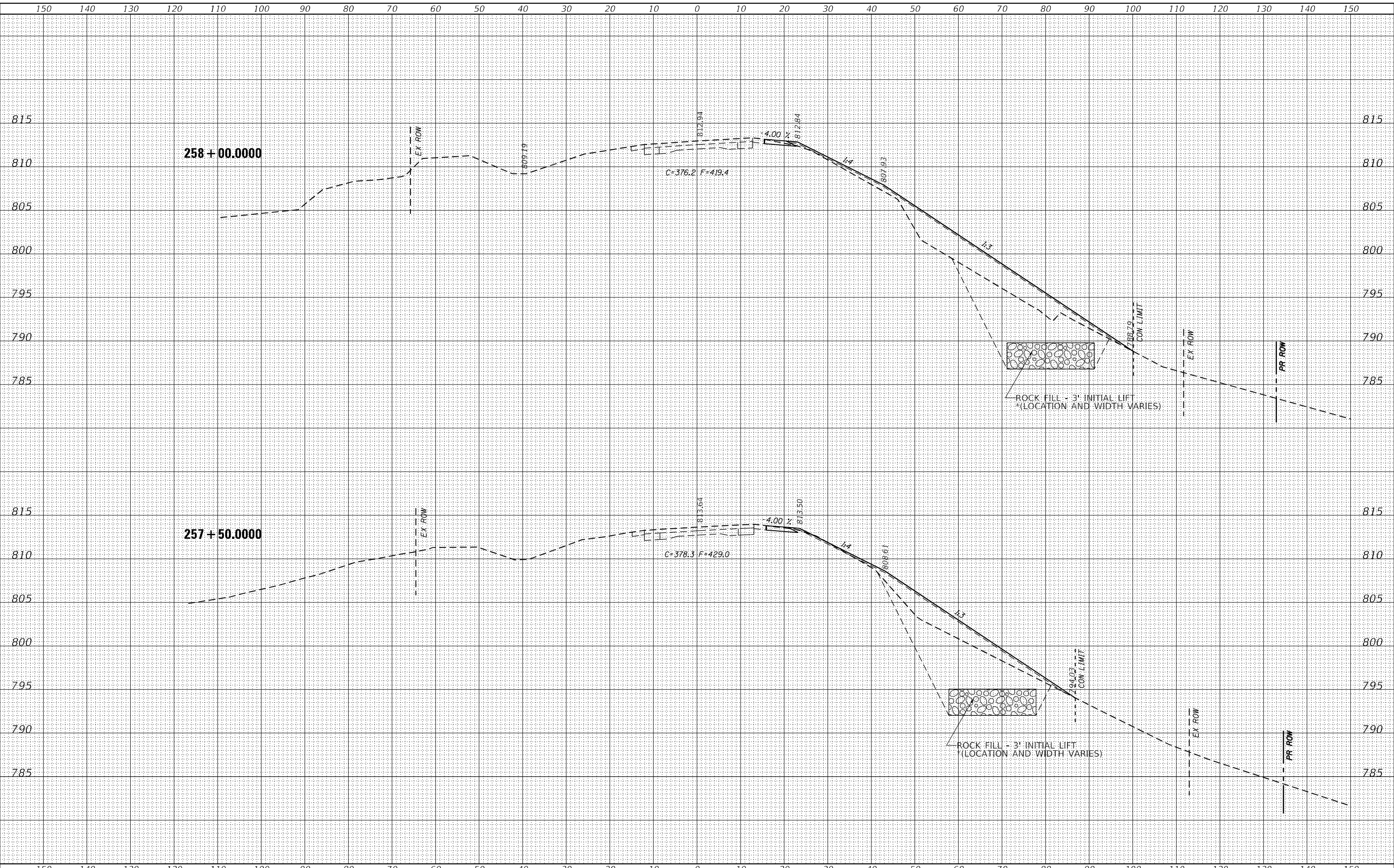
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| US 52 MAINLINE CROSS SECTIONS | | |
| SCALE: | SHEET 4 OF 8 SHEETS | STA. 256+50.0000 TO STA. 257+00.0000 |

| | | | | |
|---------------------------|------------------|----------------|-----------------|--------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 34 |
| CONTRACT NO. 64N50 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

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| | | |
|-----------------------------|------------|-----------|
| USER NAME = cucloaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 52
MAINLINE CROSS SECTIONS**

SCALE: SHEET 5 OF 8 SHEETS STA. 257+50.0000 TO STA. 258+00.0000

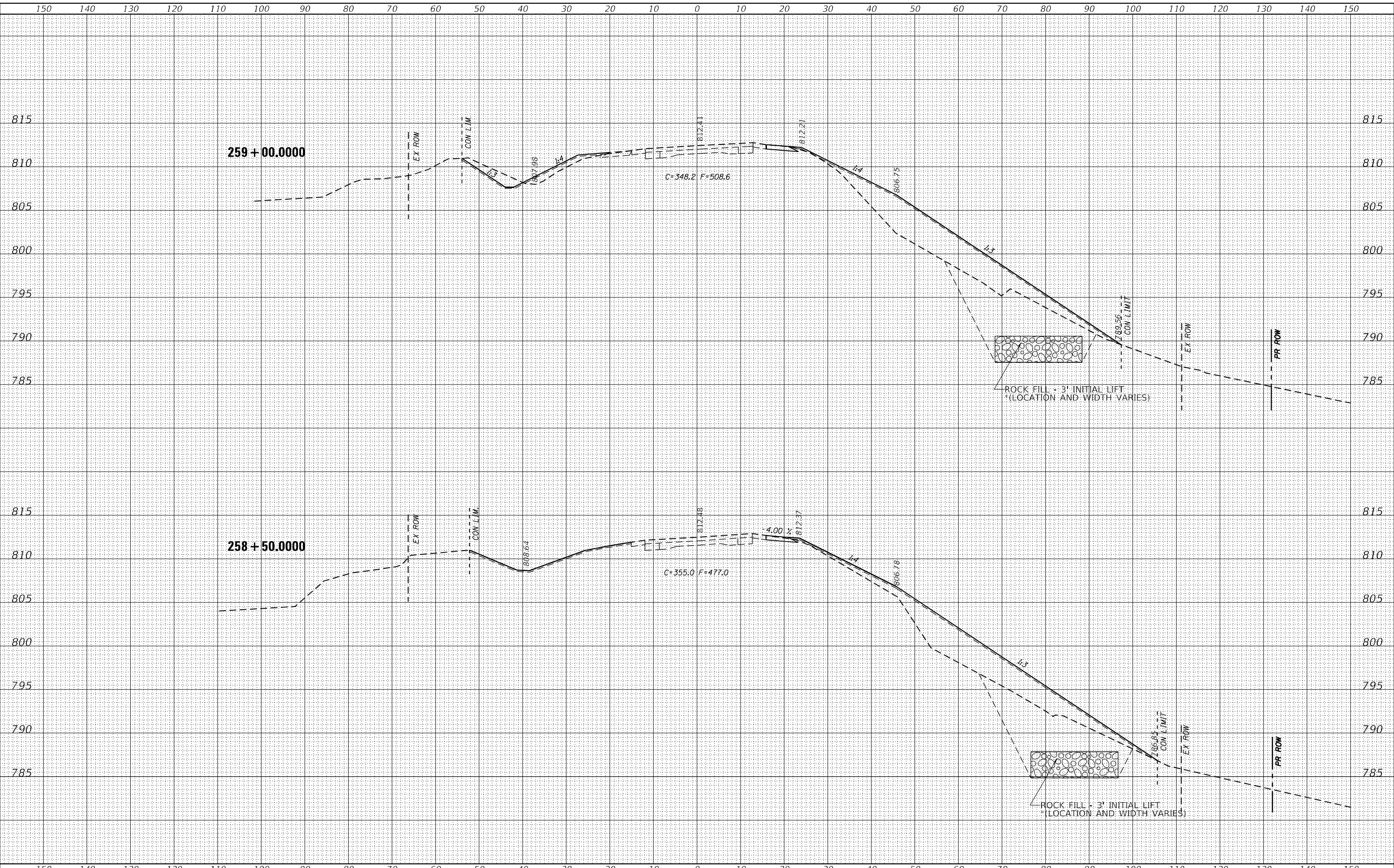
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| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 35 |
| | | | CONTRACT NO. 64N50 | |

ILLINOIS FED. AID PROJECT

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

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

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 USER: cuccl0aj
 DATE: 3/12/2021



| | | |
|------------------------------|------------|-----------|
| USER NAME = cuccl0aj | DESIGNED - | REvised - |
| | DRAWN - | REvised - |
| PLOT SCALE = 20,0000 * / in. | CHECKED - | REvised - |
| PLOT DATE = 3/12/2021 | DATE - | REvised - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 52
 MAINLINE CROSS SECTIONS**

SCALE: SHEET 6 OF 8 SHEETS STA. 258+50.0000 TO STA. 259+00.0000

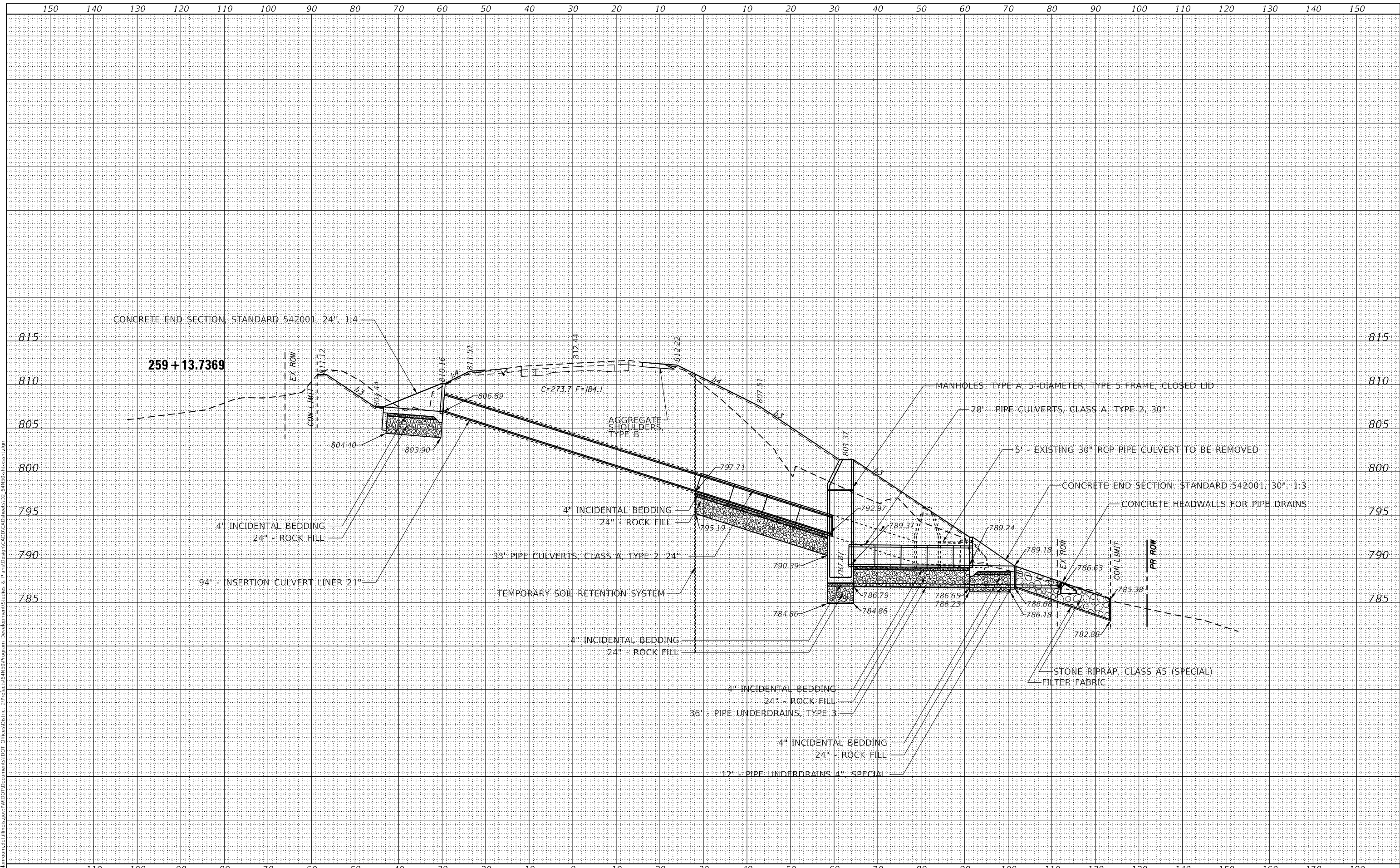
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| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 36 |
| | | | CONTRACT NO. 64N50 | |

ILLINOIS FED. AID PROJECT

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

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

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 USER: cucloaj



| | | |
|------------------------------|------------|-----------|
| USER NAME = cucloaj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20,0000 * / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/12/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

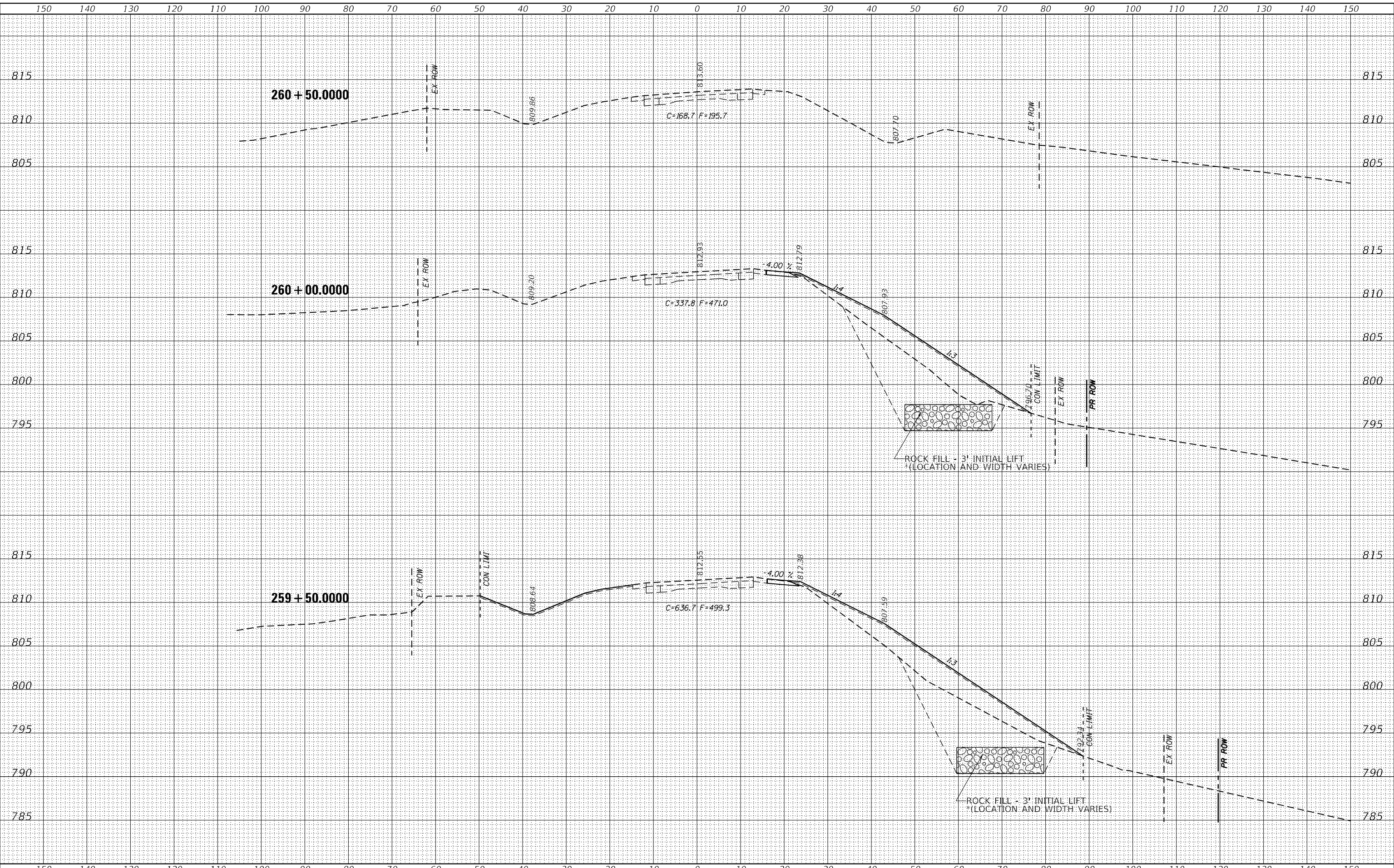
| | | | |
|--|------------------|------|---------------------|
| US 52 MAINLINE CROSS SECTIONS | | | |
| SCALE: | SHEET 7 | OF 8 | SHEETS |
| | STA. 259+13.7369 | | TO STA. 259+13.7369 |

| | | | | |
|-------------|----------|---------|--------------|---------------------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 17 | (1,2)SLP | CARROLL | 38 | 37 |
| | | | | CONTRACT NO. 64N50 |
| | | | | ILLINOIS FED. AID PROJECT |

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

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

MODEL: Default
FILE NAME: D:\data\mason.dwg
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 3/12/2021
USER NAME: cucloaj



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | |
|--------|---------------------|--------------------------------------|
| SCALE: | SHEET 8 OF 8 SHEETS | STA. 259+50.0000 TO STA. 260+50.0000 |
|--------|---------------------|--------------------------------------|

**US 52
MAINLINE CROSS SECTIONS**

| | | | | |
|--------------------|------------------|----------------|---------------------------|--------------|
| F.A.P. RTE. 17 | SECTION (1,2)SLP | COUNTY CARROLL | TOTAL SHEETS 38 | SHEET NO. 38 |
| CONTRACT NO. 64N50 | | | ILLINOIS FED. AID PROJECT | |