| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 1 |
| | ILLINOIS | CONTRACT NO. 62V08 | | |

**06-12-2026 LETTING ITEM 213**

# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION

# PROPOSED
# HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 3

IMPROVEMENTS ARE LOCATED IN THE VILLAGES OF HAMPSHIRE AND HOFFMAN ESTATES, AND THE TOWNSHIP OF BLOOMINGDALE, PALOS AND LEMONT

**TRAFFIC DATA:**
US ROUTE 20 AT I-355 NB RAMP AND IL 53 (OTHER PRINCIPAL ARTERIAL)
2021 ADT = 32,600 VPD
POSTED AND DESIGN SPEED = 40 MPH /45 MPH

**TRAFFIC DATA:**
IL ROUTE 72 (OTHER PRINCIPAL ARTERIAL)
2021 ADT = 24,400 VPD
POSTED AND DESIGN SPEED = 45 MPH

**TRAFFIC DATA:**
IL ROUTE 171 (MINOR ARTERIAL)
2021 ADT = 13,000
POSTED AND DESIGN SPEED = 50 /55 MPH

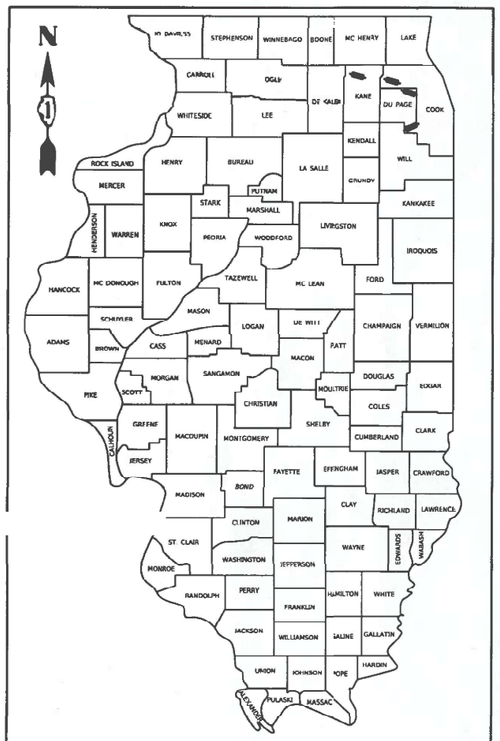
**TRAFFIC DATA:**
US ROUTE 20 WEST OF IL RTE 47 (OTHER PRINCIPAL ARTERIAL)
2021 ADT = 8,550 VPD
POSTED AND DESIGN SPEED = 55 MPH

ROUTE VARIOUS
## SECTION 2023 VAR DRAINAGE

## DRAINAGE IMPROVEMENTS
## COOK, DUPAGE AND KANE COUNTY

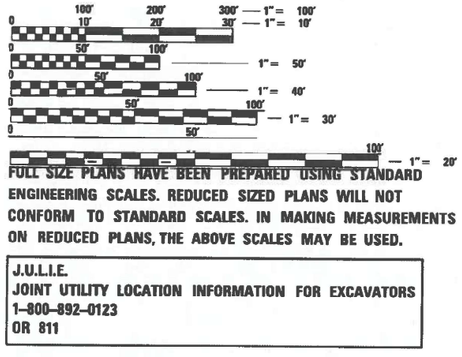
C-91-209-23

D-91-146-23



LOCATION OF SECTION INDICATED THUS: –

## FOR LOCATION MAPS, SEE SHEET 2



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

LICENSED PROFESSIONAL ENGINEER KENDY ESTIMABLE 062-071404 OF ILLINOIS

12/04/2025
Kendy Estimable — Date
Illinois Registered Engineer No. 062-071404
Registration Expires Nov. 30, 2027

SHIRAZ TARIQUE 062-064219 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

12/04/2025
Shiraz Tarique — Date
Illinois Registered Engineer No. 062-064219
Registration Expires Nov. 30, 2027

**PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240**
**PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056**

**CONTRACT NO. 62V08**

wsp
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602

LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

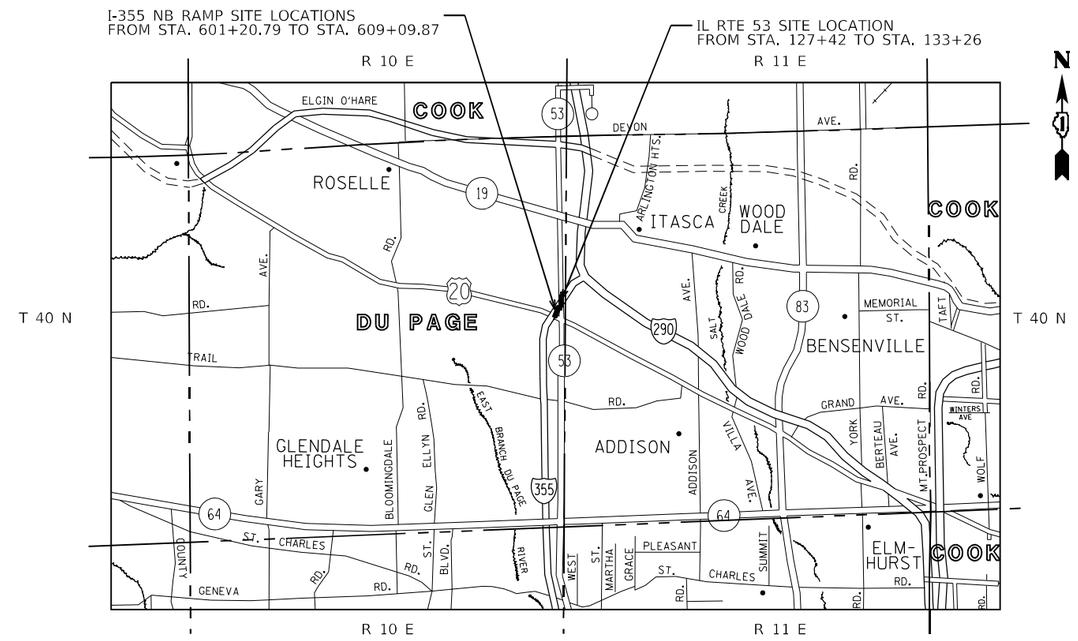
SUBMITTED Dec 12 2025
REGIONAL ENGINEER

March 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

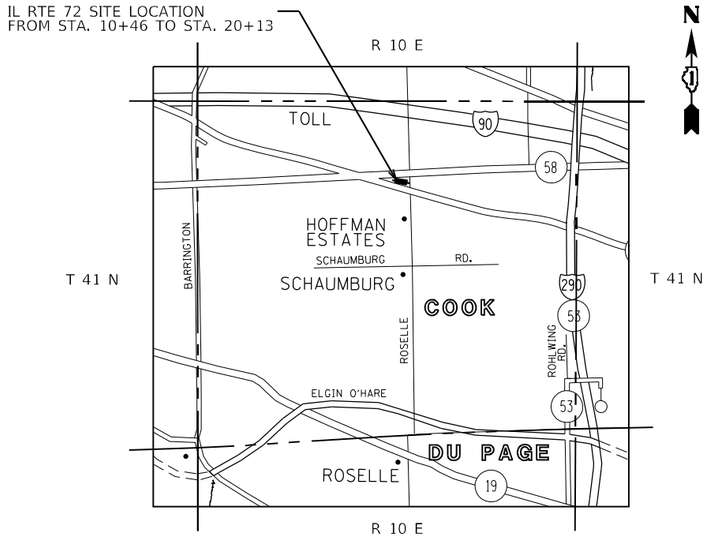
March 20 26
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

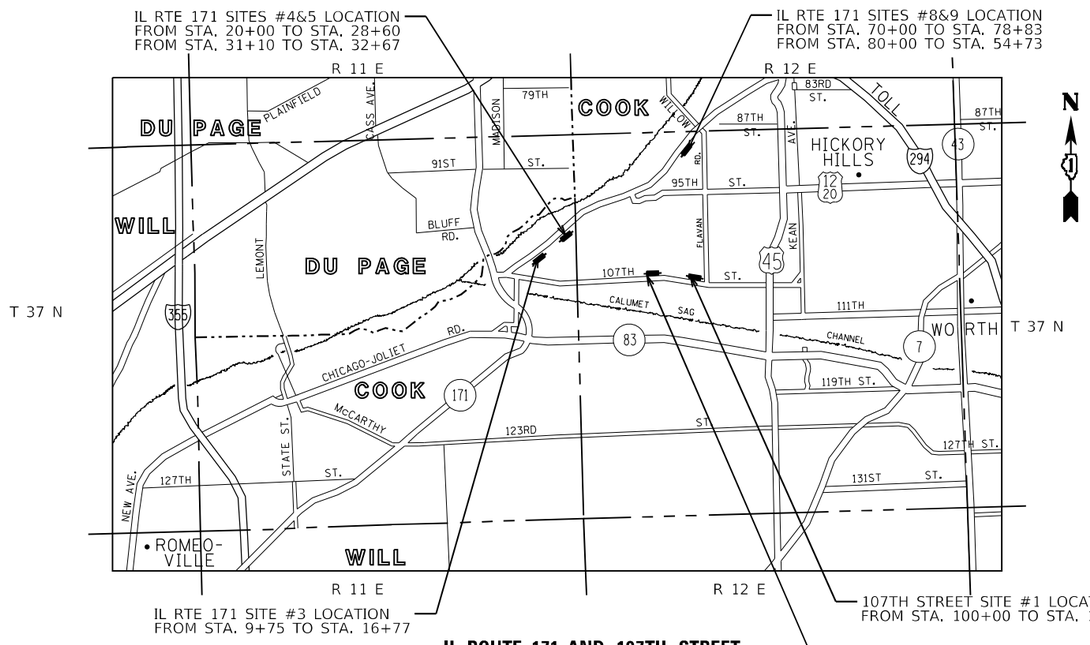
REV-SEP




**US ROUTE 20 AT I–355 NB RAMP AND IL ROUTE 53**
**LOCATION MAP**

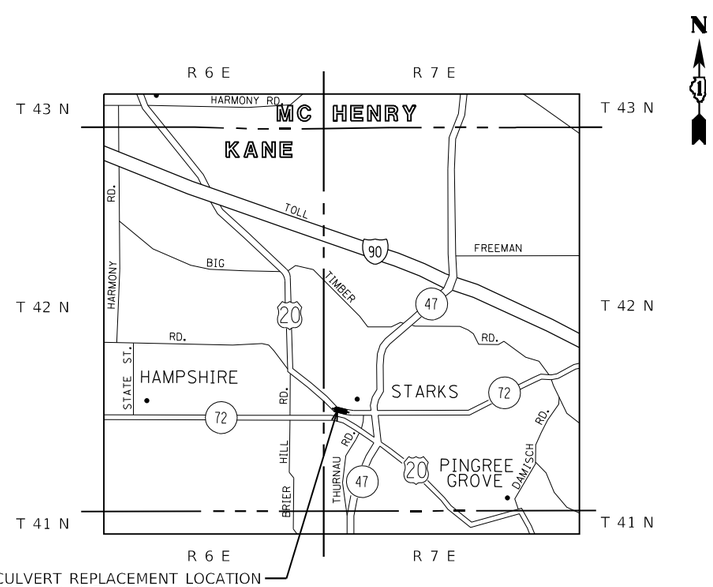



**IL ROUTE 72**
**LOCATION MAP**




**IL ROUTE 171 AND 107TH STREET**
**LOCATION MAP**

**GROSS LENGTH = 7,723.58 FT. = 1.463 MILE**
**NET LENGTH = 7,723.58 FT. = 1.463 MILE**




**US ROUTE 20 BOX CULVERT**
**LOCATION MAP**

| | | |
|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - |
| | DRAWN - MM | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - |
| PLOT DATE = 2/1/2026 | DATE - 01/28/2026 | REVISED - |

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

**LOCATION MAPS**

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

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 2 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MODEL: Default
FILE NAME: awc:\\wsp-us-gw.bentley.com:ws-pw-5-pw-1\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D1134720-sht-locmap.dgn

## INDEX OF SHEETS


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| 2 | LOCATION MAPS |
| 3 | INDEX OF SHEETS, LIST OF HIGHWAY STANDARDS & GENERAL NOTES |
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| 8-9 | REMOVAL & PROPOSED PLAN IL RTE 53 |
| 10-11 | EROSION CONTROL & LANDSCAPE PLAN IL RTE 53 |
| 12-13 | DRAINAGE PLAN & PROFILE IL RTE 53 |
| 14-20 | CROSS SECTIONS IL RTE 53 |
| 21 | ALIGNMENT, TIES AND BENCHMARKS IL RTE 72 |
| 22 | EXISITING AND PROPOSED TYPICAL SECTIONS IL RTE 72 |
| 23 | REMOVAL PLAN IL RTE 72 |
| 24 | PROPOSED PLAN IL RTE 72 |
| 25 | EROSION CONTROL PLAN IL RTE 72 |
| 26 | LANDSCAPE PLAN IL RTE 72 |
| 27 | DRAINAGE TYPICAL SECTIONS IL RTE 72 |
| 28 | DRAINAGE PLAN & PROFILE IL RTE 72 |
| 29 | WORK IN-STREAM PLAN IL RTE 72 |
| 30-37 | CROSS SECTIONS IL RTE 72 |
| 38-40 | ALIGNMENT, TIES AND BENCHMARKS IL RTE 171 |
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| 42-47 | REMOVAL PLAN IL RTE 171 |
| 48-53 | PROPOSED PLAN IL RTE 171 |
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| 60-65 | LANDSCAPE PLAN IL RTE 171 |
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| 77 | SPECIAL DETAILS IL RTE 171 |
| 78-116 | CROSS SECTIONS IL RTE 171 |
| 117 | ALIGNMENT, TIES AND BENCHMARKS US RTE 20 WEST OF IL RTE 47 |
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| 119 | REMOVAL & PROPOSED PLAN US RTE 20 WEST OF IL RTE 47 |
| 120 | EROSION CONTROL & LANDSCAPE PLAN US RTE 20 WEST OF IL RTE 47 |
| 121 | TRAFFIC CONTROL GENERAL NOTES / SEQUENCE OF CONSTRUCTION |
| 122 | DETOUR PLAN US RTE 20 WEST OF IL RTE 47 |
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| 131 | MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12) |
| 132 | DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13) |
| 133 | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14) |
| 134 | DETOUR SIGNINGS FOR CLOSING STATE HIGHWAYS (TC-21) |
| 135 | ARTERIAL ROAD INFORMATION SIGN (TC-22) |
| 136 | DRIVEWAY ENTRANCE SIGNING (TC-26) |


## HIGHWAY STANDARDS

| | |
|---|---|
| 000001-09 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 482001-02 | HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT |
| 482011-03 | CLASS C AND D PATCHES |
| 542001-06 | CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIA |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 601001-05 | PIPE UNDERDRAINS |
| 601101-02 | CONCRETE HEADWALL FOR PIPE UNDERDRAIN |
| 630001-13 | STEEL PLATE BEAM GUARDRAIL |
| 630301-09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631033-09 | TRAFFIC BARRIER TERMINAL, TYPE 6B |
| 664001-02 | CHAIN LINK FENCE |
| 642006-01 | SHOULDER RUMBLE STRIPS, 8 in. |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE |
| 701011-04 | OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE |
| 701106-02 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY |
| 701201-05 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥45 MPH |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701306-04 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY |
| 701336-07 | LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥45 MPH |
| 701421-08 | LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH TO 55 MPH |
| 701426-09 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥=45 MPH |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤=40 MPH |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701601-09 | URBAN LANE CLOSURE MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701606-10 | URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-11 | TRAFFIC CONTROL DEVICES |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| 782006-01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |

## GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 392-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION REQUIRED). IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. CONTACT MEADE ELECTRIC COMPANY AT 773-287-7672. CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT FACILITIES. ADDITIONAL REQUEST MAY BE MADE AT THE EXPENSE OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF ROSELLE, ITASCA, WOOD DALE, ADDISON, HOFFMAN ESTATES, PALOS, LEMONT, HAMPSHIRE, AND STARKS.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
4. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 14 DAYS IN ADVANCE BEFORE THE REMOVAL AND REPLACEMENT OF THE CULVERT ALONG US ROUTE 20.
5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE -ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS ALL CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
8. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
10. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR, KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
11. FOR COOK COUNTY, CONTACT PATRICE HARRIS AT PATRICE.HARRIS@ILLINOIS.GOV; FOR WILL COUNTY, CONTACT ERIC CAMPOS AT ERIC.CAMPOS@ILLINOIS.GOV
12. PRIOR TO STARTING WORK ON THE IL 171 & 107TH STREET SITES, THE CONTRACTOR MUST CONTACT THE FOREST PRESERVES OF COOK COUNTY—PALOS DIVISION AT 708-839-5617.
13. TOP OF GRATE ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAME/GRATES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.
14. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
15. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
16. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION.
17. PROPERTIES AND CHANNELS ADJOINING THE SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
18. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGICAL DISTURBANCE OF UPLAND AREAS.
19. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN ONE (1) CALENDAR DAY FOLLOWING THE END OF ACTIVE HYDROLOGICAL DISTURBANCE.
20. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE WORKING CONDITION.
21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES-MAINTENANCE GUIDE.
22. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN INSTREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
23. ALL TREES WILL BE REMOVED UNDER SEPARATE IDOT CONTRACT 62Y06.
24. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.
25. THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 01 OR RR 1.
26. THE ENGINEER SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH CONTRACT 60R94 TO COMPLETE WORK ITEMS AT IL RTE 171.
27. THE ENGINEER SHALL COORDINATE CONSTRUCTION ACTIVITIES FOR THE US 20 (WEST OF IL 47)CULVERT LOCATION WITH KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) A MINIMUM OF 2 WEEKS PRIOR TO WORK BEGINNING. CONTACT DAVID BOESCH AT (630) 845-7875 OR KEN MIELKE AT (630) 406-3138.

## HOT–MIX ASPHALT MIXTURE REQUIREMENTS

| MIXTURE USE | MIXTURE TYPE | AIR VOIDS @ Ndes | QUALITY MANAGEMENT PROGRAM (QMP) |
|---|---|---|---|
| HMA PAVEMENT (FD) 10" | HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2" | 4% @ 70 GYR. | QC/QA |
| | HMA Base Course, IL-19.0, N70, 8" | 4% @ 70 GYR. | QC/QA |
| HMA SHOULDER 10" | HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2" | 4% @ 70 GYR. | QC/QA |
| | HMA Base Course, IL-19.0, N70, 8" | 4% @ 70 GYR. | QC/QA |
| HMA SHOULDER 8" | HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 2" | 4% @ 70 GYR. | QC/QA |
| | HMA Base Course, IL-19.0, N70, 6" | 4% @ 70 GYR. | QC/QA |
| QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) | | | |

NOTES:
1. UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
2. THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22", UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-ILIDocuments\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D1134720-sht-gennotes.dgn

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 3/10/2026 | DATE - 03/10/2026 | REVISED - | |

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

**INDEX OF SHEETS,**
**LIST OF HIGHWAY STANDARDS & GENERAL NOTES**

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 3 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

REV-SEP

| | | | | CONSTRUCTION CODE | | | |
|---|---|---|---|---|---|---|---|
| | | | | COOK | COOK | DUPAGE | KANE |
| | | | | STATE 100% | STATE 100% | STATE 100% | STATE 100% |
| | | | | IL RTE 171 | IL RTE 72 | US RTE 20 | US RTE 20 |
| | | | | ROADWAY | ROADWAY | ROADWAY | CULVERT |
| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0004 URBAN | 0004 URBAN | 0004 URBAN | 0004 URBAN |
| | 20101100 | TREE TRUNK PROTECTION | EACH | 66 | 62 | 2 | 2 | |
| | 20200100 | EARTH EXCAVATION | CU YD | 2,930 | 2,145 | 520 | 215 | 50 |
| * | 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 790 | 590 | 85 | 95 | 20 |
| | 20300100 | CHANNEL EXCAVATION | CU YD | 625 | | 625 | | |
| | 20700220 | POROUS GRANULAR EMBANKMENT | CU YD | 38 | | 38 | | |
| | 20800150 | TRENCH BACKFILL | CU YD | 10 | | | 10 | |
| | 21000310 | GRANULAR EMBANKMENT, SPECIAL | SQ YD | 90 | | 90 | | |
| | 21001000 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | SQ YD | 743 | | 307 | 226 | 210 |
| | 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 9,836 | 7,442 | | 2,187 | 207 |
| | 21101625 | TOPSOIL FURNISH AND PLACE, 6" | SQ YD | 1,147 | | 1,147 | | |
| | 21400100 | GRADING AND SHAPING DITCHES | FOOT | 5,481 | 4,719 | | 662 | 100 |
| * | 25000115 | SEEDING, CLASS 1B | ACRE | 2.00 | 2.00 | | | |
| * | 25000210 | SEEDING, CLASS 2A | ACRE | 1.00 | | 0.25 | 0.50 | 0.25 |
| * | 25000300 | SEEDING, CLASS 3 | ACRE | 0.75 | 0.25 | 0.25 | 0.25 | |
| * | 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 236 | 171 | 25 | 36 | 4 |
| * | 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 236 | 171 | 25 | 36 | 4 |
| * | 25100645 | WILDLIFE FRIENDLY EROSION CONTROL BLANKET | SQ YD | 8,729 | 6,175 | 651 | 1,696 | 207 |
| * | 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 307 | 230 | 27 | 44 | 6 |
| * | 28000305 | TEMPORARY DITCH CHECKS | FOOT | 930 | 742 | | 132 | 56 |
| * | 28000315 | AGGREGATE DITCH CHECKS | TON | 66 | 66 | | | |
| * | 28000400 | PERIMETER EROSION BARRIER | FOOT | 11,038 | 9,209 | 945 | 739 | 145 |
| * | 28000500 | INLET AND PIPE PROTECTION | EACH | 15 | 10 | 2 | 2 | 1 |
| * | 28000510 | INLET FILTERS | EACH | 2 | 1 | 1 | | |
| * | 28001105 | TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET | SQ YD | 14,691 | 10,957 | 1,290 | 2,187 | 257 |
| | 28100105 | STONE RIPRAP, CLASS A3 | SQ YD | 1,018 | 630 | 388 | | |

* SPECIALTY ITEM

| | | | | CONSTRUCTION CODE | | | |
|---|---|---|---|---|---|---|---|
| | | | | COOK | COOK | DUPAGE | KANE |
| | | | | STATE 100% | STATE 100% | STATE 100% | STATE 100% |
| | | | | IL RTE 171 | IL RTE 72 | US RTE 20 | US RTE 20 |
| | | | | ROADWAY | ROADWAY | ROADWAY | CULVERT |
| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0004 URBAN | 0004 URBAN | 0004 URBAN | 0004 URBAN |
| | 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 535 | 448 | 3 | 84 | |
| | 28100109 | STONE RIPRAP, CLASS A5 | SQ YD | 564 | | 564 | | |
| | 28200200 | FILTER FABRIC | SQ YD | 1,553 | 1,078 | 391 | 84 | |
| | 28400100 | GABIONS | CU YD | 105 | | 105 | | |
| | 28401000 | SLOPE MATTRESS, 12" | SQ YD | 133 | | 133 | | |
| | 30300001 | AGGREGATE SUBGRADE IMPROVEMENT | CU YD | 20 | | | 12 | 8 |
| | 30300112 | AGGREGATE SUBGRADE IMPROVEMENT 12" | SQ YD | 433 | | | 226 | 207 |
| | 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 706 | | | 388 | 318 |
| | 40600275 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 706 | | | 388 | 318 |
| | 40600370 | LONGITUDINAL JOINT SEALANT | FOOT | 100 | | | | 100 |
| | 40701881 | HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" | SQ YD | 140 | | | | 140 |
| | 44000100 | PAVEMENT REMOVAL | SQ YD | 50 | | | | 50 |
| | 44004250 | PAVED SHOULDER REMOVAL | SQ YD | 226 | | | 226 | |
| | | STRUCTURES | | | | | | |
| | 48101202 | AGGREGATE SHOULDERS, TYPE B | CU YD | 10 | | | | 10 |
| | 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 5 | | | 5 | |
| | 48203029 | HOT-MIX ASPHALT SHOULDERS, 8" | SQ YD | 226 | | | 226 | |
| | 48203037 | HOT-MIX ASPHALT SHOULDERS, 10" | SQ YD | 45 | | | | 45 |
| | 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 | | | | 1 |
| | 50200450 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR | CU YD | 84 | | | | 84 |
| | | STRUCTURES | | | | | | |
| | 50201101 | COFFERDAM (TYPE 1) (LOCATION - 1) | EACH | 3 | | 3 | | |
| | 52200020 | TEMPORARY SOIL RETENTION SYSTEM | SQ FT | 1,170 | | | | 1,170 |
| | 54001001 | BOX CULVERT END SECTIONS, CULVERT NO. 1 | EACH | 2 | | | | 2 |
| | 54010302 | PRECAST CONCRETE BOX CULVERT, 3' X 2' | FOOT | 39 | | | | 39 |
| | 54213660 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" | EACH | 1 | | | 1 | |
| | 550A0070 | STORM SEWERS, CLASS A, TYPE 1 15" | FOOT | 15 | | | 15 | |

* SPECIALTY ITEM

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-1\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-SOQ-001.dgn

wsp

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 2/1/2026 | DATE - 01/28/2026 | REVISED - | |

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

# SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 4 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

REV-SEP

| | | | | CONSTRUCTION CODE | | | |
|---|---|---|---|---|---|---|---|
| | | | | COOK | COOK | DUPAGE | KANE |
| | | | | STATE 100% | STATE 100% | STATE 100% | STATE 100% |
| | | | | IL RTE 171 | IL RTE 72 | US RTE 20 | US RTE 20 |
| | | | | ROADWAY | ROADWAY | ROADWAY | CULVERT |
| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0004 URBAN | 0004 URBAN | 0004 URBAN | 0004 URBAN |
| | 55100200 | STORM SEWER REMOVAL 6" | FOOT | 4 | | 4 | | |
| | 55100500 | STORM SEWER REMOVAL 12" | FOOT | 19 | | 5 | 14 | |
| | 55100700 | STORM SEWER REMOVAL 15" | FOOT | 15 | | | 15 | |
| | 59100100 | GEOCOMPOSITE WALL DRAIN | SQ YD | 27 | | | | 27 |
| | 60255500 | MANHOLES TO BE ADJUSTED | EACH | 1 | | 1 | | |
| | 60402210 | GRATES, TYPE 8 | EACH | 1 | 1 | | | |
| | 60920015 | PIPE CULVERTS TO BE CLEANED 15" | FOOT | 19 | 19 | | | |
| | 60920018 | PIPE CULVERTS TO BE CLEANED 18" | FOOT | 64 | 64 | | | |
| | 60920030 | PIPE CULVERTS TO BE CLEANED 30" | FOOT | 18 | 18 | | | |
| * | 63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | FOOT | 37.5 | | | 37.5 | |
| * | 63100089 | TRAFFIC BARRIER TERMINAL, TYPE 6B | EACH | 1 | | | 1 | |
| * | 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 1 | | | 1 | |
| | 63200310 | GUARDRAIL REMOVAL | FOOT | 112.5 | | | 112.5 | |
| | 64200108 | SHOULDER RUMBLE STRIPS, 8 INCH | FOOT | 100 | | | | 100 |
| | 66400205 | CHAIN LINK FENCE, 5' | FOOT | 1,723 | 1,605 | | 118 | |
| * | 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 2,075 | 950 | 800 | 250 | 75 |
| * | 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 8 | 2 | 2 | 2 | 2 |
| * | 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | L SUM | 1 | 0.25 | 0.25 | 0.25 | 0.25 |
| * | 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | L SUM | 1 | 0.25 | 0.25 | 0.25 | 0.25 |
| * | 66901006 | REGULATED SUBSTANCES MONITORING | CAL DA | 13 | 6 | 3 | 2 | 2 |
| | 67100100 | MOBILIZATION | L SUM | 1 | 0.25 | 0.25 | 0.25 | 0.25 |
| | 70100310 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701421 | L SUM | 1 | 0.34 | 0.33 | 0.33 | |
| | 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 | 1.00 | | | |
| | 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 0.50 | | | 0.50 |
| | 70100600 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701336 | L SUM | 1 | | | 1.00 | |

* SPECIALTY ITEM

| | | | | CONSTRUCTION CODE | | | |
|---|---|---|---|---|---|---|---|
| | | | | COOK | COOK | DUPAGE | KANE |
| | | | | STATE 100% | STATE 100% | STATE 100% | STATE 100% |
| | | | | IL RTE 171 | IL RTE 72 | US RTE 20 | US RTE 20 |
| | | | | ROADWAY | ROADWAY | ROADWAY | CULVERT |
| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0004 URBAN | 0004 URBAN | 0004 URBAN | 0004 URBAN |
| | 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 0.50 | | | 0.50 |
| | 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 | | 0.50 | 0.50 | |
| | 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | L SUM | 1 | | 1.00 | | |
| | 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | | 0.50 | 0.50 | |
| | 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | | 1.00 | | |
| | 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 200 | | | | 200 |
| | 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 67 | | | | 67 |
| * | 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 1 | | | 1.00 | |
| * | 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 200 | | | | 200 |
| * | 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 2 | | | | 2 |
| * | 78200005 | GUARDRAIL REFLECTORS, TYPE A | EACH | 1 | | | 1 | |
| | 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 2 | | | | 2 |
| | K0036120 | MULCH PLACEMENT 4" | SQ YD | 20 | | 20 | | |
| | X0325207 | TELEVISION INSPECTION OF SEWER | FOOT | 672 | | | 672 | |
| | X2010400 | STUMP REMOVAL ONLY | EACH | 2,081 | 1,986 | 79 | 16 | |
| | X2020410 | EARTH EXCAVATION (SPECIAL) | CU YD | 161 | | | 161 | |
| | X2501800 | SEEDING, CLASS 4 (MODIFIED) | ACRE | 2.00 | 2.00 | | | |
| | X2501820 | SEEDING, CLASS 5 (MODIFIED) | ACRE | 2.00 | 2.00 | | | |
| | X5400005 | BOX CULVERT REMOVAL | FOOT | 42 | | | | 42 |
| | X5427600 | REMOVE AND RELOCATE END SECTIONS | EACH | 2 | | 2 | | |
| | X5510008 | STORM SEWER REPAIR | FOOT | 50 | | | 50 | |
| | X5537900 | STORM SEWERS TO BE CLEANED 15" | FOOT | 89 | | | 89 | |
| | X5538600 | STORM SEWERS TO BE CLEANED 36" | FOOT | 583 | | | 583 | |
| | X5810103 | MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES | SQ YD | 27 | | | | 27 |

* SPECIALTY ITEM

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-ILDocuments\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-SOQ-002.dgn

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 2/1/2026 | DATE - 01/28/2026 | REVISED - | |

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

**SUMMARY OF QUANTITIES**

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

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 5 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

REV-SEP

| | | | | | CONSTRUCTION CODE | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | COOK | COOK | DUPAGE | KANE | |
| | | | | STATE 100% | STATE 100% | STATE 100% | STATE 100% | |
| | | | | IL RTE 171 | IL RTE 72 | US RTE 20 | US RTE 20 | |
| | | | | ROADWAY | ROADWAY | ROADWAY | CULVERT | |
| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0004 URBAN | 0004 URBAN | 0004 URBAN | 0004 URBAN |
| | X6640104 | FENCE REMOVAL | FOOT | 92 | | 0 | 92 | |
| | X6700407 | ENGINEER'S FIELD OFFICE, TYPE A (D1) | CAL MO | 12 | 4 | 4 | 2 | 2 |
| | X7200061 | TEMPORARY INFORMATION SIGNING | SQ FT | 151.7 | 25.70 | 25.70 | 25.70 | 74.60 |
| * | X7200203 | DETOUR SIGNING | L SUM | 1 | | | | 1 |
| * | X7240205 | REMOVE SIGN COMPLETE | EACH | 1 | 1 | | | |
| * | X7240600 | REMOVE AND RE-ERECT EXISTING SIGN | EACH | 6 | 6 | | | |
| * | X8900104 | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 3 | | | | 3.00 |
| | Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 0.50 | 0.25 | 0.25 | |
| | Z0018300 | DRAINAGE STRUCTURE REPAIR | EACH | 1 | | | 1.00 | |
| | Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 1 | 1 | | | |
| | Z0018600 | DRAINAGE STRUCTURES TO BE RECONSTRUCTED | EACH | 2 | | | 2 | |
| | Z0054406 | ROCK FILL - FOUNDATION | CU YD | 104 | | | | 104 |
| | 60905305 | BOX CULVERTS TO BE CLEANED | FOOT | 194 | 194 | | | |
| Ø | Z0076604 | TRAINEES - TRAINING PROGRAM GRADUATE | HOUR | 500 | 500 | | | |
| | 60905305 | BOX CULVERTS TO BE CLEANED | FOOT | 194 | | 194 | | |

* SPECIALTY ITEM

| | | | | CONSTRUCTION CODE | | | |
|---|---|---|---|---|---|---|---|
| | | | | COOK | COOK | DUPAGE | KANE |
| | | | | STATE 100% | STATE 100% | STATE 100% | STATE 100% |
| | | | | IL RTE 171 | IL RTE 72 | US RTE 20 | US RTE 20 |
| | | | | ROADWAY | ROADWAY | ROADWAY | CULVERT |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | 0004 URBAN | 0004 URBAN | 0004 URBAN | 0004 URBAN |

* SPECIALTY ITEM

Ø 0042

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wsp

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 2/1/2026 | DATE - 01/28/2026 | REVISED - | |

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

**SUMMARY OF QUANTITIES**

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 6 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

REV-SEP

EXIST. CURVE EXCL_NBI355RP_3
PI STA. = 601+88.52
Δ = 83° 10' 34" (RT)
D = 63° 39' 43"
R = 90.00'
T = 79.87'
L = 130.65'
E = 30.33'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 601+08.64
P.T. STA. = 602+39.30

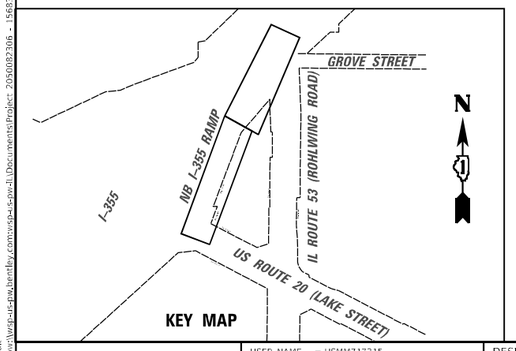
EXIST. CURVE EXCL_NBI355RP_6
PI STA. = 607+10.31
Δ = 25° 16' 18" (RT)
D = 7° 41' 27"
R = 745.00'
T = 167.02'
L = 328.60'
E = 18.49'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 605+43.29
P.T. STA. = 608+71.89

| ALIGNMENT COORDINATES | | | |
|---|---|---|---|
| US ROUTE 20 (LAKE STREET) | | | |
| | STATION | N | E |
| POB | 14+00.00 | 1924953.0634 | 1065652.9231 |
| POT | 21+00.86 | 1924630.4688 | 1066275.1236 |
| IL ROUTE 53 (ROHLWING ROAD) | | | |
| | STATION | N | E |
| POB | 118+00.00 | 1924544.5129 | 1066274.1501 |
| POT | 136+78.37 | 1926422.7586 | 1066295.4219 |
| NB I-355 RAMP | | | |
| | STATION | N | E |
| POT | 600+00.00 | 1924836.5356 | 1065993.5238 |
| PC | 601+08.64 | 1924886.6976 | 1065897.1541 |
| PT | 602+39.30 | 1924998.3047 | 1065854.5039 |
| PC | 605+43.29 | 1925282.7223 | 1065961.8287 |
| PT | 608+71.89 | 1925555.1164 | 1066140.8246 |
| POT | 610+77.73 | 1925698.2474 | 1066288.7594 |

N

0 50 100 150
SCALE IN FEET

POT Sta 14+00.00
L14
L15+08.52
PI Sta 601+88.52
L16
PT Sta 602+39.30
L602
PC Sta 601+08.64
L17
L603
NB I-355 RAMP
L604
BEGIN IMPROVEMENTS
STA. 601+20.79
L605+00
EX CURVE
EXCL_NBI355RP_3
PC Sta 605+43.29
POT Sta 600+00.00
L00+00.00
L606
EX NB I-355 RAMP ℄
PI Sta 607+10.31
EX US ROUTE 20
(LAKE STREET) ℄
L18
L607
EX CURVE
EXCL_NBI355RP_6
L608
PT Sta 608+71.89
L19
US ROUTE 20 (LAKE STREET)
END IMPROVEMENTS
STA. 609+09.87
L609
L20+00
L610+00
POT Sta 610+77.73
POT Sta 118+00.00
EX IL ROUTE 53
(ROHLWING ROAD) ℄
IL ROUTE 53 (ROHLWING ROAD)
118 119 120+00 121 122 123 124 125+00 126 127 128 129 130+00
L21
POT Sta 21+00.86
MATCHLINE STA 131+00
MATCHLINE STA 131+00
EX IL ROUTE 53
(ROHLWING ROAD) ℄
IL ROUTE 53 (ROHLWING ROAD)
131 132 133 134 135+00 136
POT Sta 136+78.37



KEY MAP

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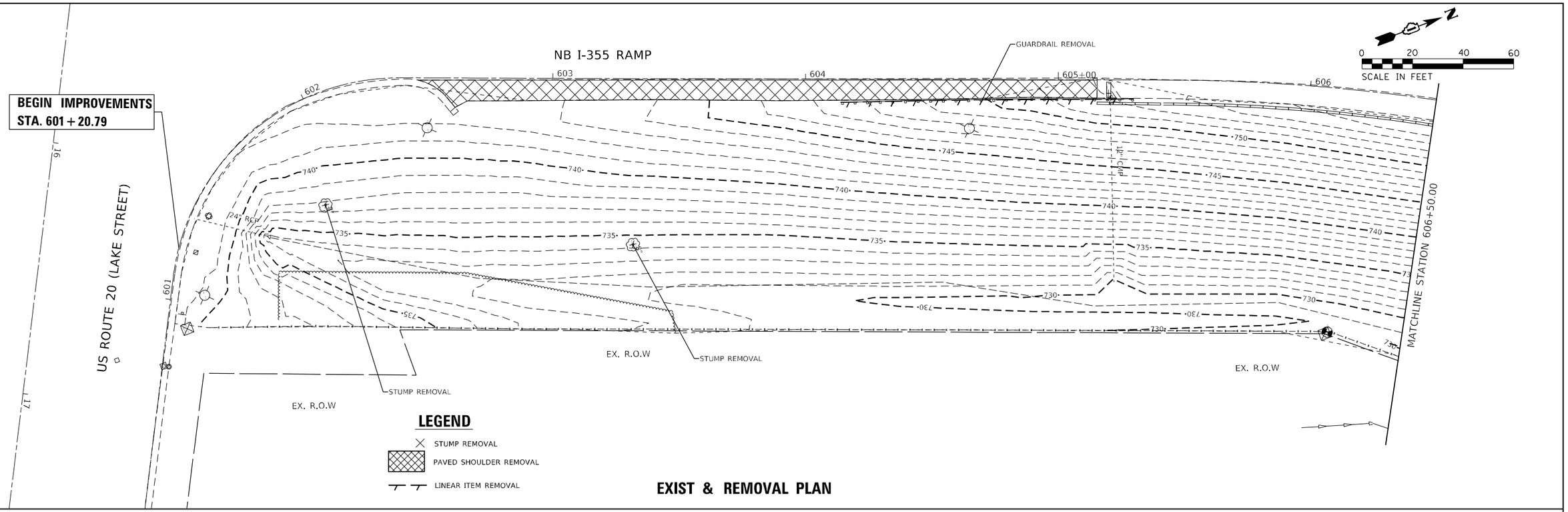
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| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

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

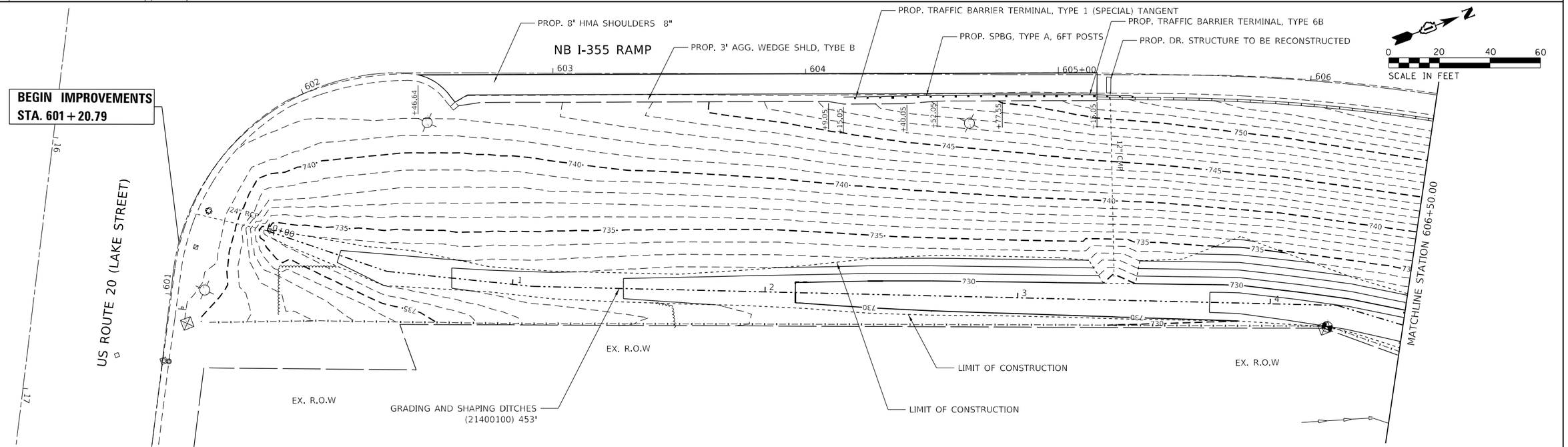
**US ROUTE 20 AT NB I–355 RAMP & IL 53**
**ALIGNMENT, TIES AND BENCHMARKS**

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 21 | 2023 VAR DRAINAGE | DUPAGE | 136 | 7 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




EXIST & REMOVAL PLAN




PROPOSED PLAN

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - | |

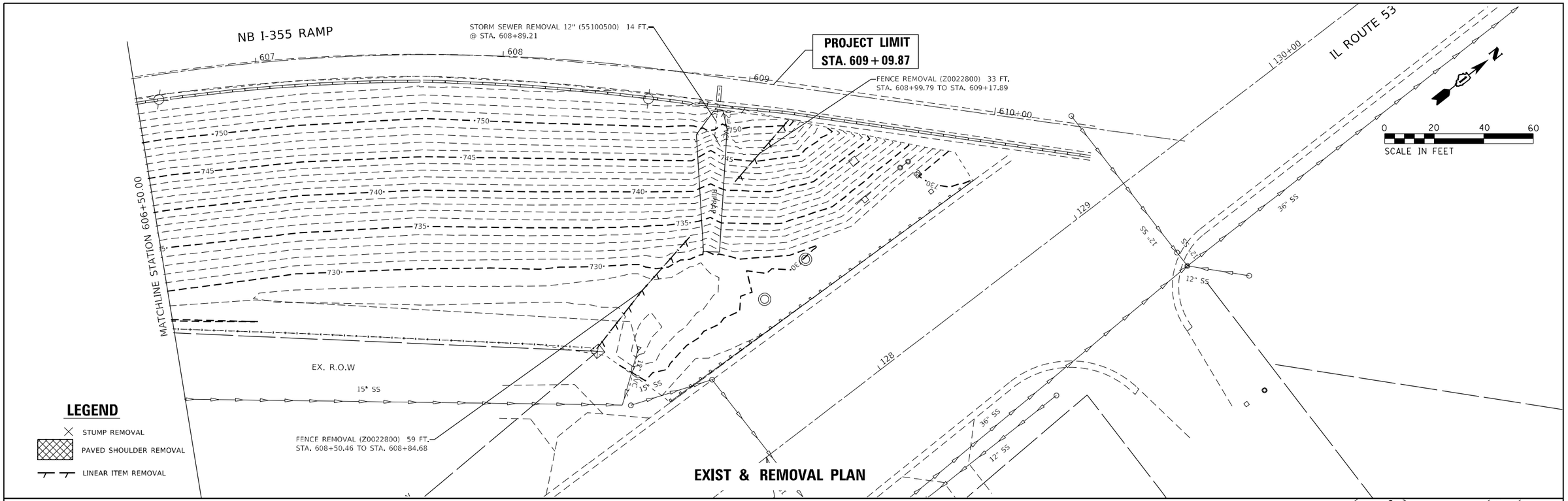
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

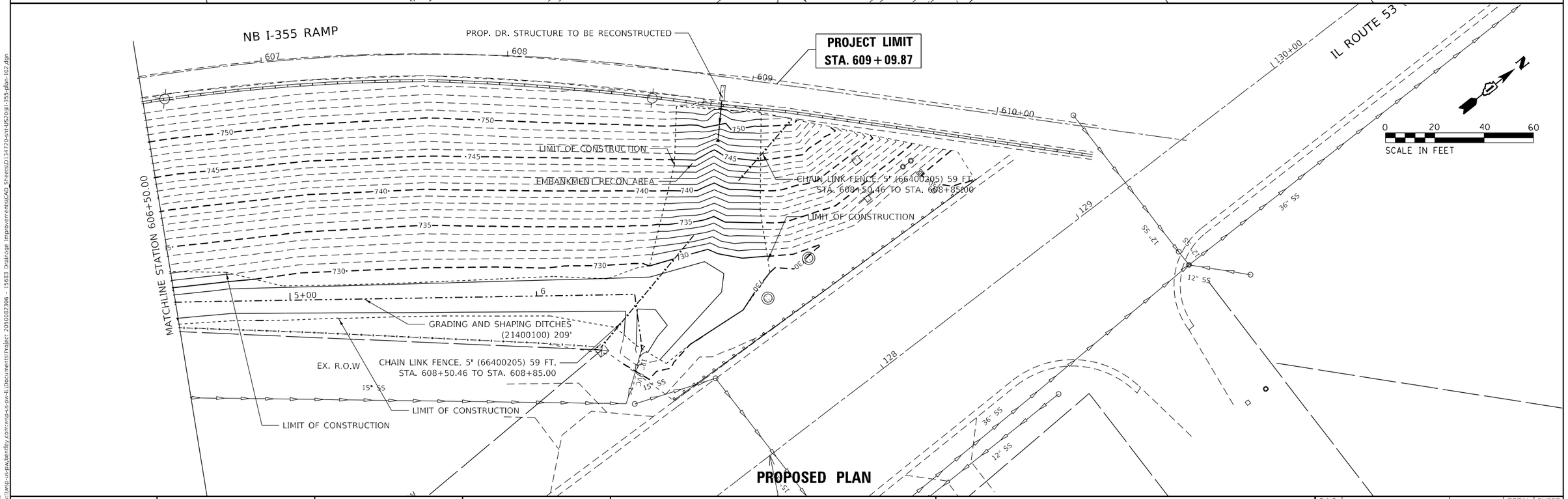
**US ROUTE 20 WEST OF IL 47**
**REMOVAL & PROPOSED PLAN**

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 601+20.79 | TO STA. 606+49.24

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 8 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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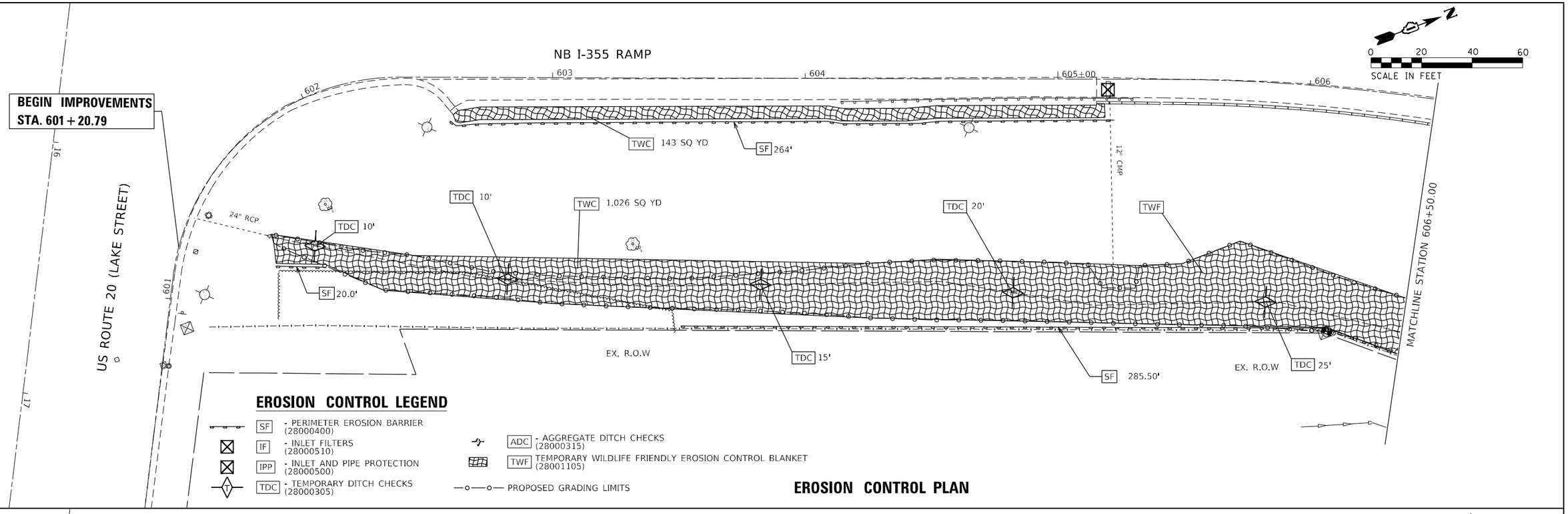
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|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - | |

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

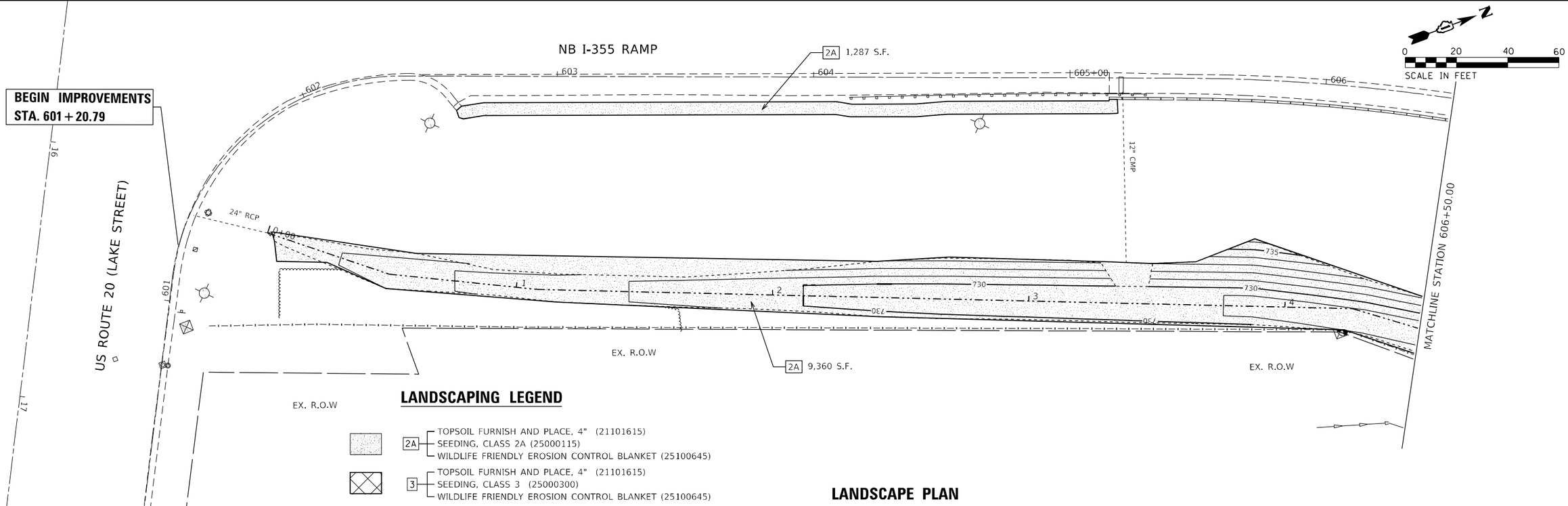
**US ROUTE 20 AT NB I-355 RAMP & IL 53**
**REMOVAL & PROPOSED PLAN**

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 606+49.24 TO STA. 609+09.87

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 21 | 2023 VAR DRAINAGE | DUPAGE | 136 | 9 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## EROSION CONTROL PLAN




## LANDSCAPE PLAN

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw\Documents\Projects\2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720x(H)D520@I-355-erosAll-ltrscape-101.dgn

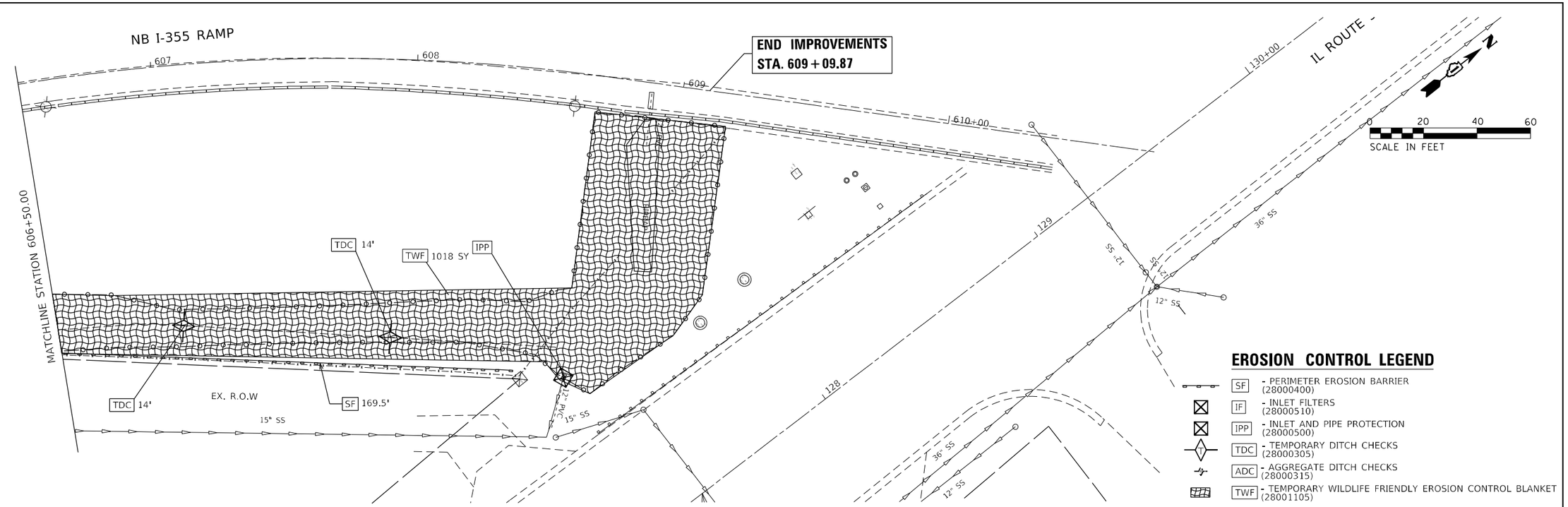
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|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/27/2026 | DATE - 12/10/2025 | REVISED - | |

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

**US ROUTE 20 WEST OF IL 47**
**EROSION CONTROL & LANDSCAPE PLAN**

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 601+20.79 | TO STA. 606+49.24

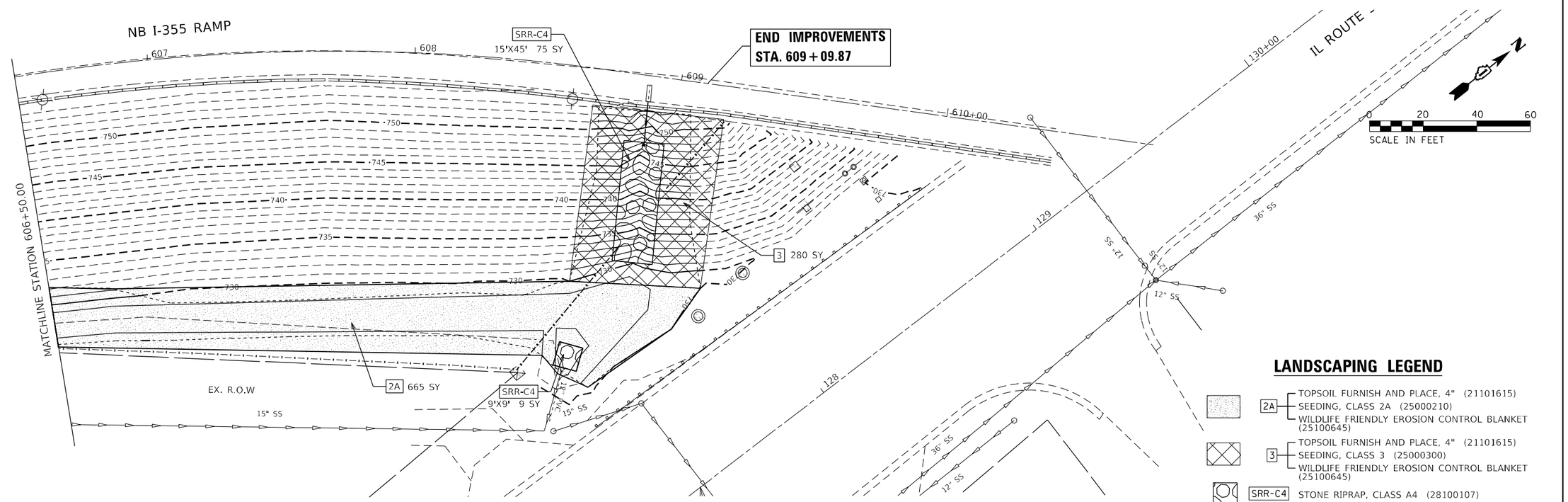
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 10 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## EROSION CONTROL PLAN

### EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- TWF - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)
- PROPOSED GRADING LIMITS




## LANDSCAPE PLAN

### LANDSCAPING LEGEND

- 2A — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 2A (25000210); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 3 — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 3 (25000300); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- SRR-C4 — STONE RIPRAP, CLASS A4 (28100107)

MODEL: Default
FILE NAME: pw:\\wsp-ut-pw.bentley.com:wsp-us-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-US20ill-355-erosEA.dgn

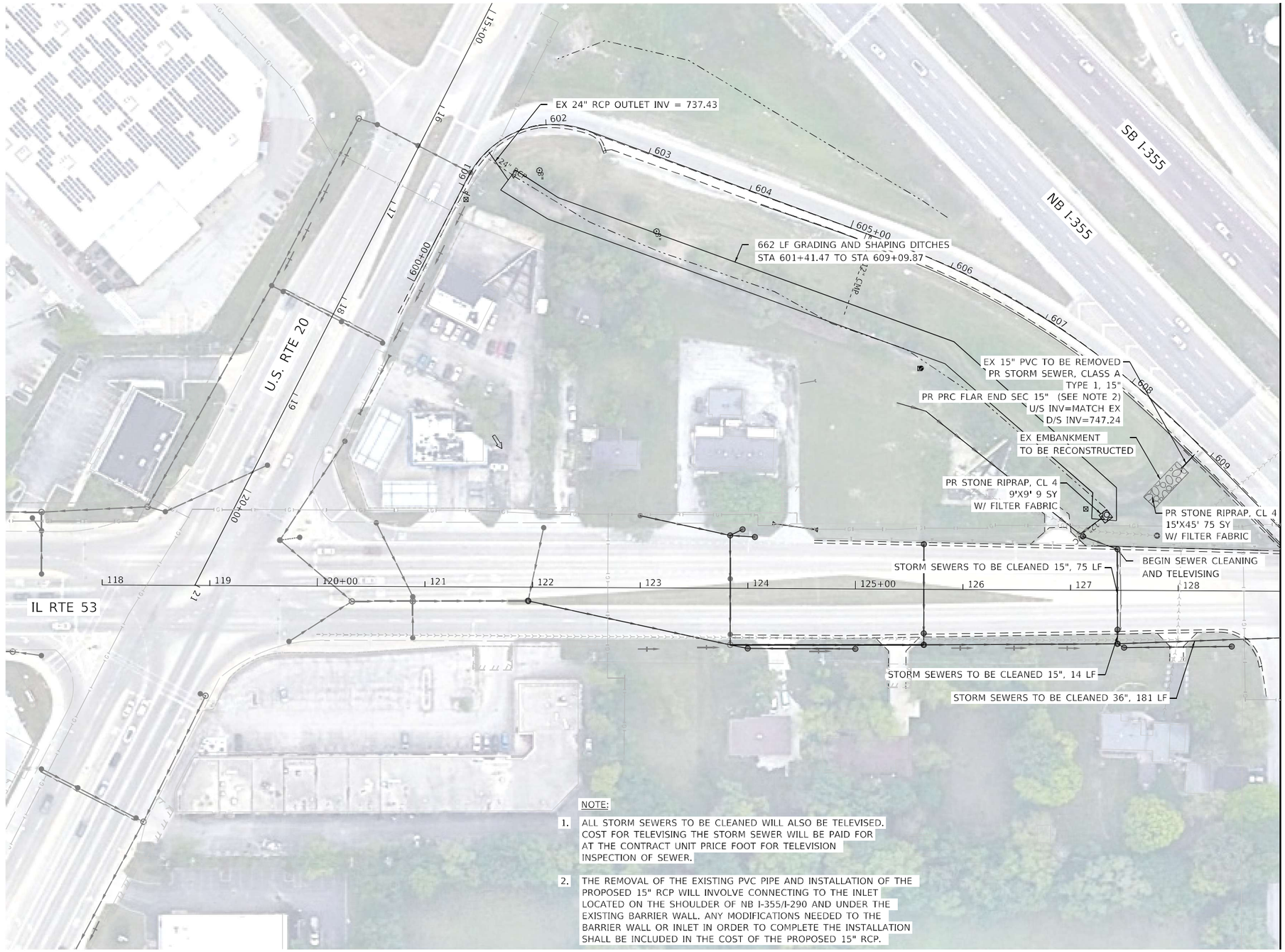
| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/27/2026 | DATE - 12/10/2025 | REVISED - | |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**
**EROSION CONTROL & LANDSCAPE PLAN**

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 606+49.24 TO STA. 609+09.87

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 11 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |



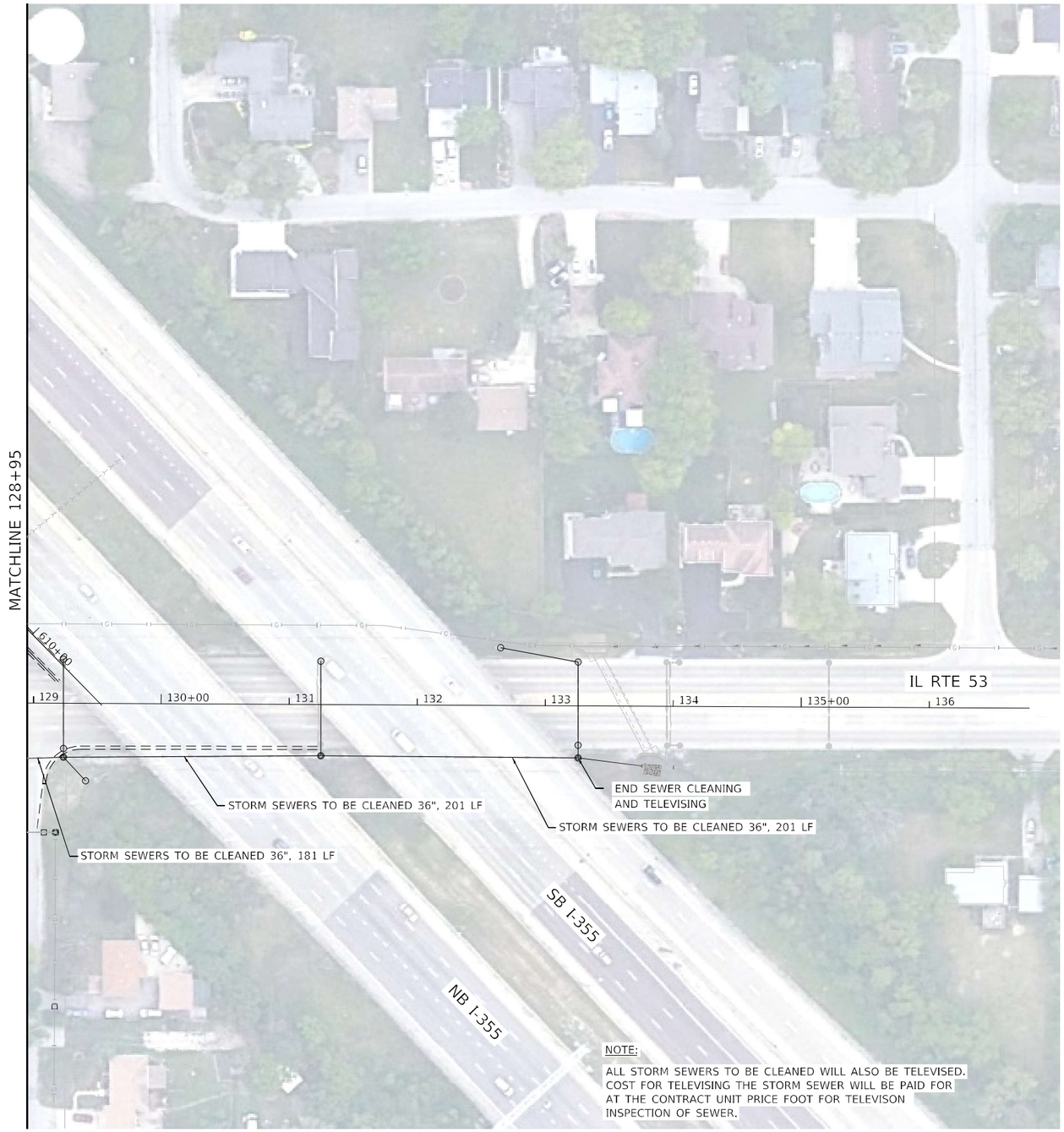

| | | | |
|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = jkeinn | DESIGNED - JK | REVISED - |
| | | DRAWN - JK | REVISED - |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - ST | REVISED - |
| | PLOT DATE = $DATE$ | DATE - 12/2025 | REVISED - |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**
**DRAINAGE PLAN**

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 127+44 | TO STA. 128+95

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 12 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

| | | |
|---|---|---|
| USER NAME = jkeinn | DESIGNED - JK | REVISED - |
| | DRAWN - JK | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - ST | REVISED - |
| PLOT DATE = $DATE$ | DATE - 12/2025 | REVISED - |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**
**DRAINAGE PLAN**

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 128+95 | TO STA. 133+26

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 13 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

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**603 + 25.00**

CUT = 5.90 S.F.

**603 + 00.00**

CUT = 5.54 S.F.

**602 + 75.00**

CUT = 5.30 S.F.

**602 + 50.00**

CUT = 5.20 S.F.

**602 + 30.00**

CUT = 5.16 S.F.

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 1 OF 7 SHEETS | STA. 602+30.00 TO STA. 603+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 14 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

MODEL: Default
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CUT = 19.14 S.F.

**604 + 25.00**

CUT = 12.76 S.F.

**604 + 00.00**

CUT = 8.64 S.F.

**603 + 75.00**

CUT = 6.29 S.F.

**603 + 50.00**

730.37
94.55'
729.24
91.17'
729.24
83.17'
732.94
73.09'
729.61
90.66'
730.33
92.81'
729.61
82.66'
732.20
75.89'
729.98
90.14'
730.49
91.68'
729.98
82.14'
731.74
77.84'
730.35
89.62'
730.86
91.17'
730.35
81.62'
731.40
79.46'

| USER NAME = USMM717315 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**

SCALE: H: 1"=10' V: 1"=5' | SHEET 2 OF 7 SHEETS | STA. 603+50.00 | TO STA. 604+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 15 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

CUT = 9.90 S.F.

**605 + 25.00**

CUT = 20.89 S.F.

**605 + 00.00**

CUT = 21.38 S.F.

**604 + 75.00**

CUT = 22.39 S.F.

**604 + 50.00**

729.90
96.59
728.78
93.24'
729.85
83.04'
728.78
85.24'
728.86
93.73'
729.93
95.93'
728.86
84.73'
729.93
88.69'
728.95
95.21'
730.04
95.49'
728.95
84.21'
730.25
95.36'
729.03
91.69'
729.03
88.69'
733.28
72.47'
733.37
71.95'
733.35
71.72'

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| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**

SCALE: H: 1"=10' V: 1"=5' | SHEET 3 OF 7 SHEETS | STA. 604+50.00 | TO STA. 605+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 16 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

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FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-Documents\Projects\2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720e1t4\520il355xsc.dgn

CUT = 16.79 S.F.

**606+25.00**

CUT = 13.62 S.F.

**606+00.00**

CUT = 24.57 S.F.

**605+75.00**

CUT = 20.53 S.F.

**605+50.00**

| | | | |
|---|---|---|---|
| 732.88 | 75.86' | | |
| 730.53 | 82.07' | | |
| 736.41 | 63.28' | | |
| 733.32 | 72.88' | | |
| 728.56 | 95.00' | 729.36 | 97.40' |
| 728.56 | 87.00' | | |
| 728.49 | 96.05' | 729.34 | 98.62' |
| 728.49 | 88.05' | | |
| 728.63 | 93.60' | 729.67 | 96.73' |
| 728.63 | 85.60' | | |
| 728.70 | 93.72' | 729.80 | 97.00' |
| 728.70 | 85.72' | | |

1:3

| USER NAME = USMM717315 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

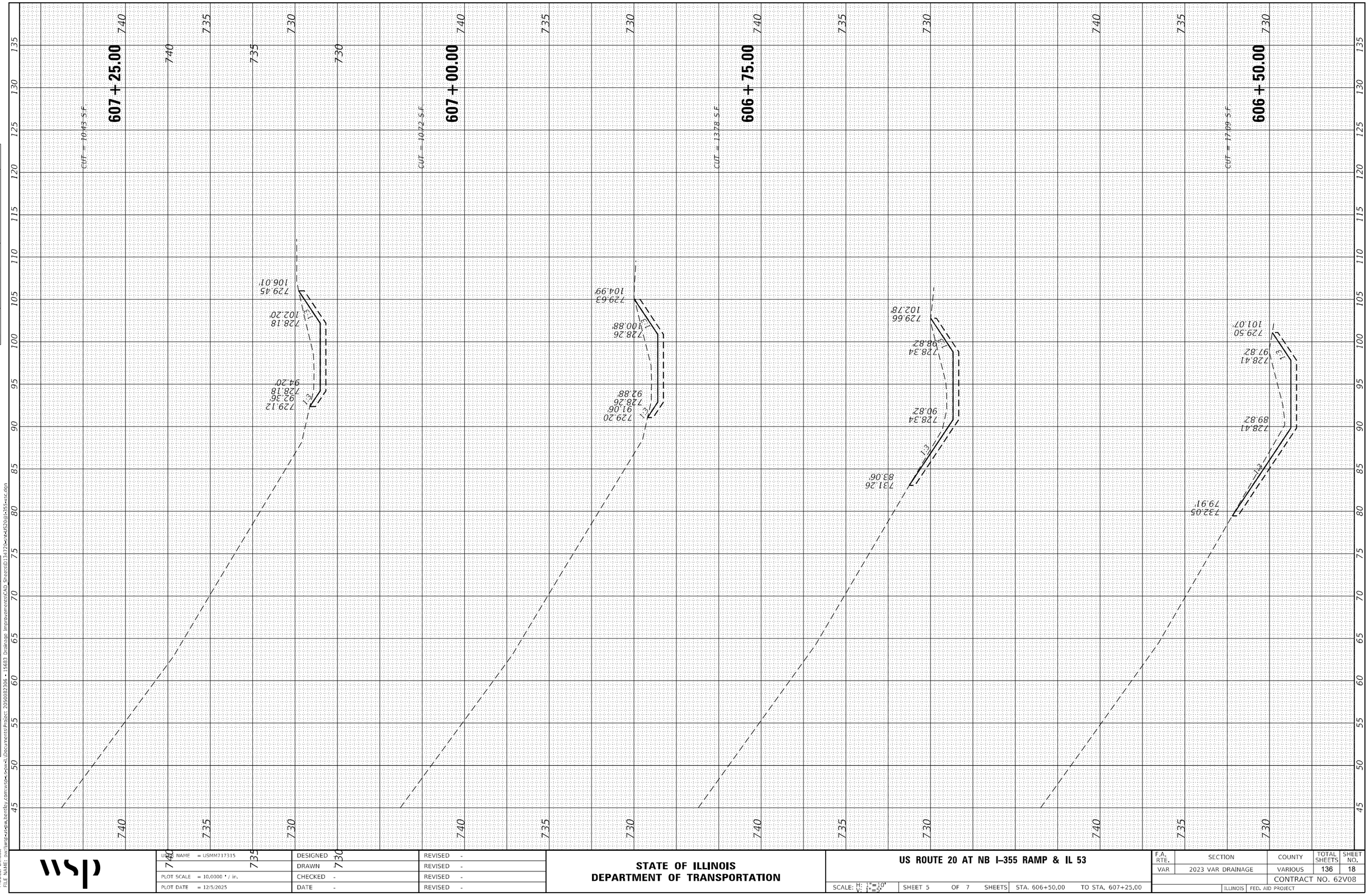
**US ROUTE 20 AT NB I-355 RAMP & IL 53**

SCALE: H: 1"=10' V: 1"=5' | SHEET 4 OF 7 SHEETS | STA. 605+50.00 | TO STA. 606+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 17 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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




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wsp

| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | DRAWN | REVISED - |
| PLOT DATE = 12/5/2025 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**

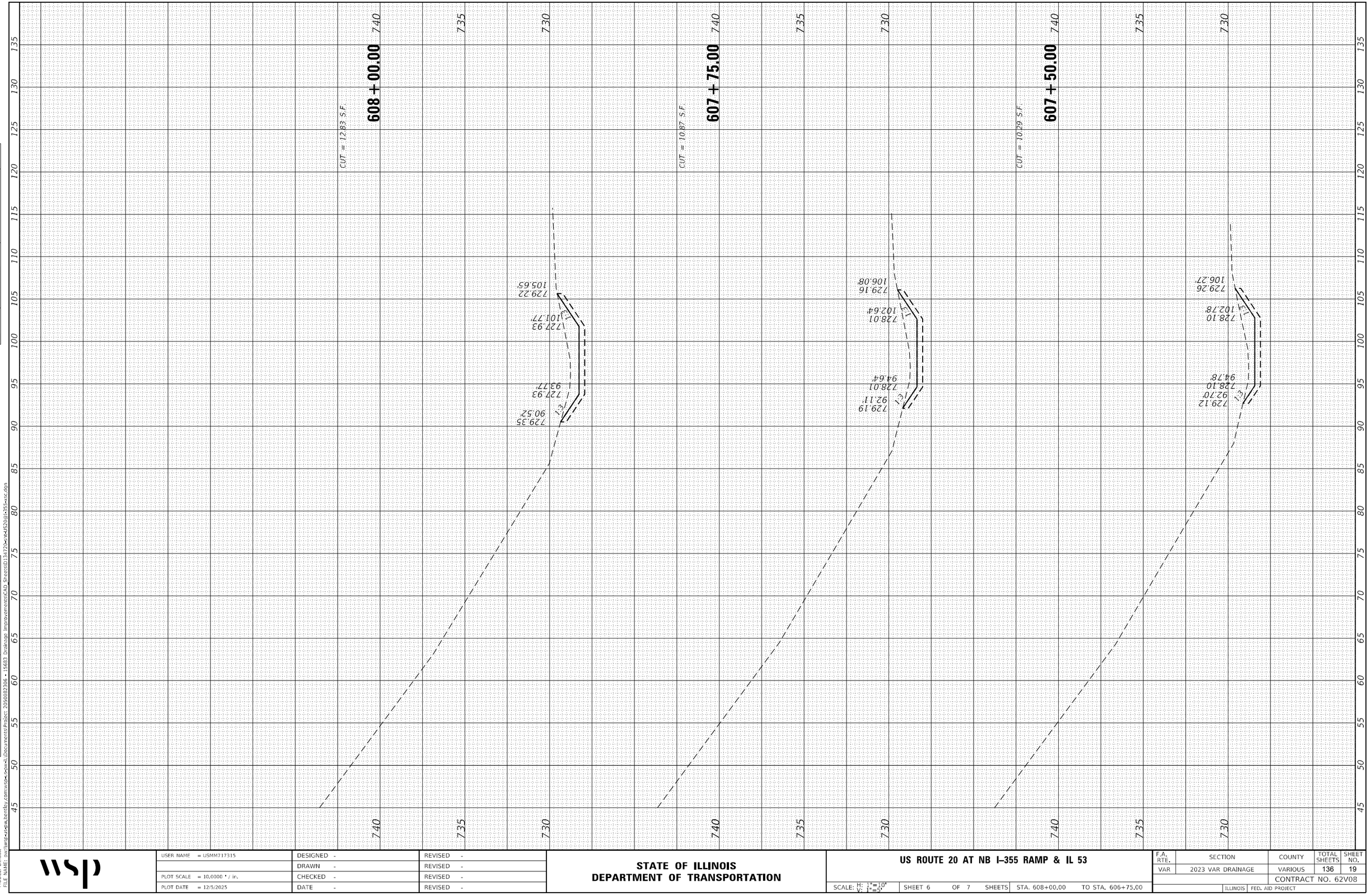
SCALE: H: 1"=10' V: 1"=5' | SHEET 5 OF 7 SHEETS | STA. 606+50.00 | TO STA. 607+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 18 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

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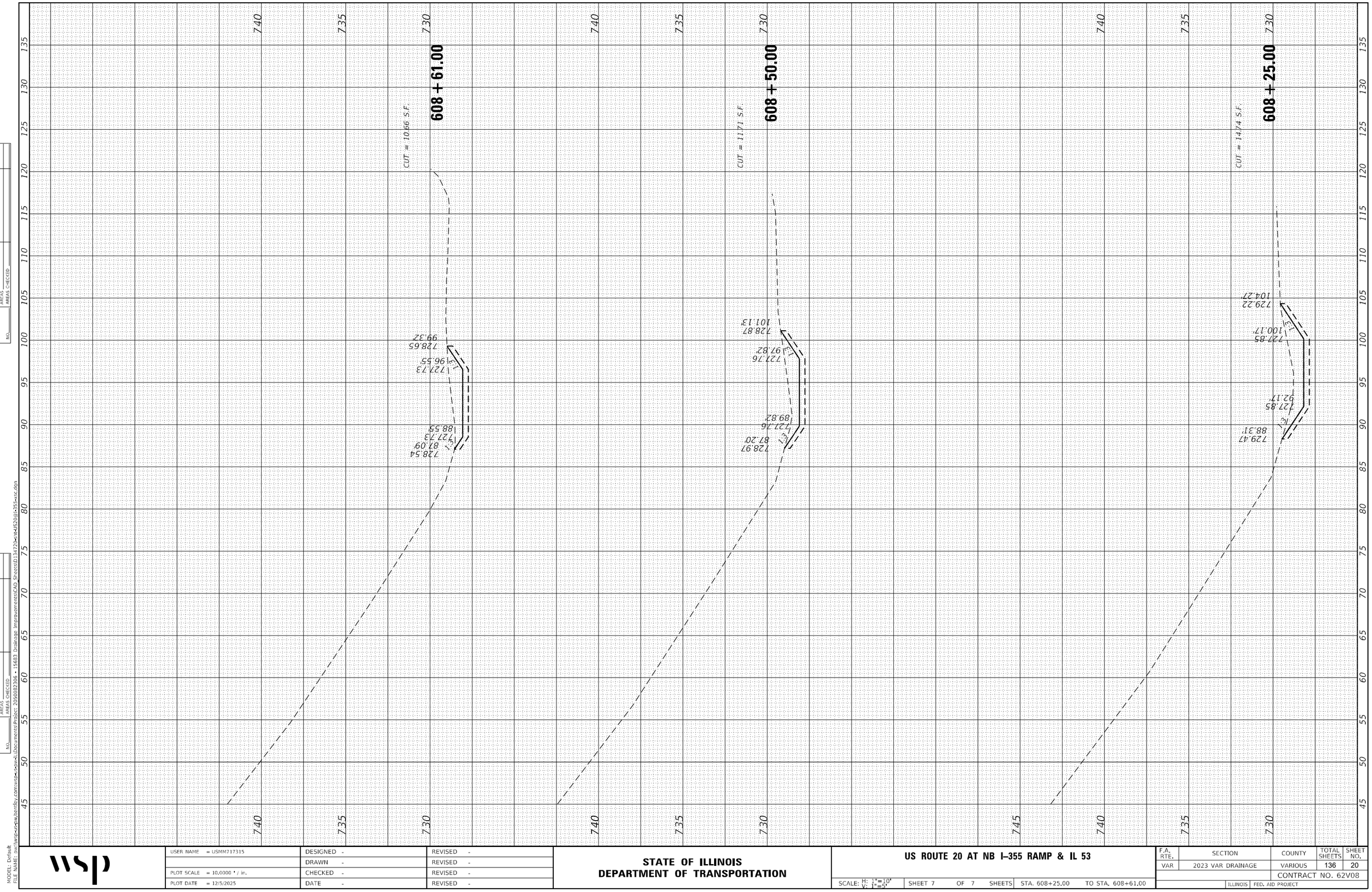

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**

SCALE: H: 1"=10' V: 1"=5' | SHEET 6 OF 7 SHEETS | STA. 608+00.00 | TO STA. 606+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 19 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




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

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

MODEL: Default
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wsp

| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**US ROUTE 20 AT NB I-355 RAMP & IL 53**

SCALE: H: 1"=10' V: 1"=5' | SHEET 7 OF 7 SHEETS | STA. 608+25.00 | TO STA. 608+61.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 20 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## BENCHMARKS

BM#1 SOUTH FLANGE BOLT ON FIRE HYDRANT ON N. SIDE OF HIGGINS ROAD NEAR ENTRANCE ROAD TO WALGREENS.
ELEVATION=772.069

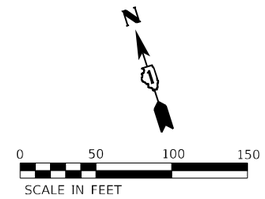
BM#2 SET CUT SQUARE ON S. SIDE OF HEADWALL ON E. SIDE OF ENTRANCE TO HOFFMAN LANES BOWLING ALLEY
ELEVATION=769.300

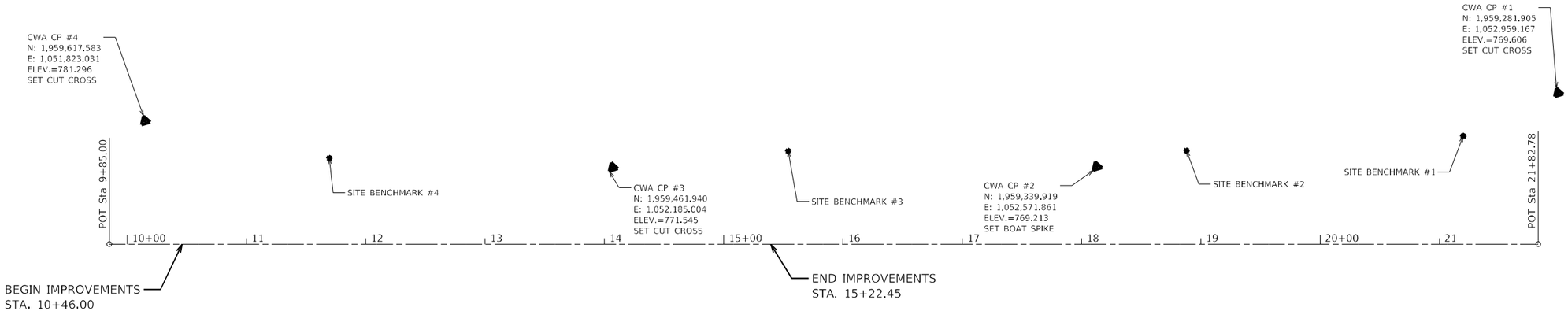
BM#3 SET CUT SQUARE ON S. SIDE OF HEADWALL ON W. SIDE OF ENTRANCE ROAD TO STRIP MALLS
ELEVATION=769.700

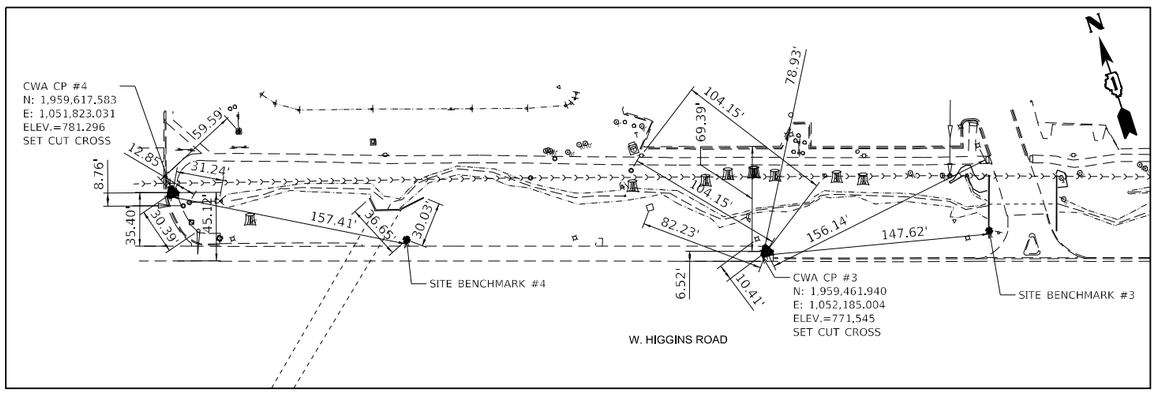
BM#4 SET CUT SQUARE ON S. SIDE OF N. SIDE OF HIGGINS ROAD 150'± E. OF GRAND CANYON PARKWAY
ELEVATION=776.977

| ALIGNMENT COORDINATES | | | |
|---|---|---|---|
| IL ROUTE 72 | | | |
| | STATION | N | E |
| POT | 9+85.00 | 1959528.2840 | 1051763.2995 |
| POT | 21+82.78 | 1959166.1258 | 1052905.0133 |

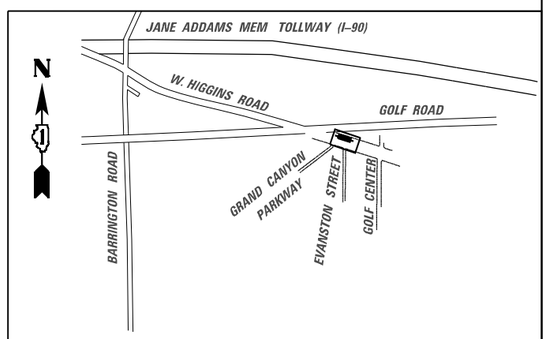
| CONTROL POINTS | | | |
|---|---|---|---|
| IL ROUTE 72 | | | |
| | ELEVATION | N | E |
| 3 | 771.545 | 1959461.940 | 1052185.004 |
| 4 | 781.296 | 1959617.583 | 1051823.031 |




**CONTROL POINT # 3 AND 4**




## KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

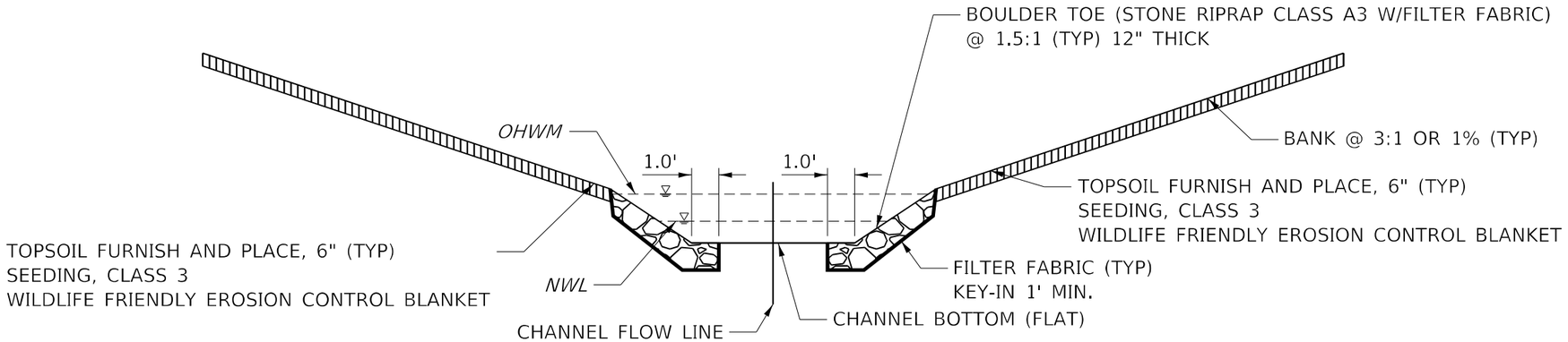
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**IL RTE 72**
**ALIGNMENT, TIES AND BENCHMRKS**

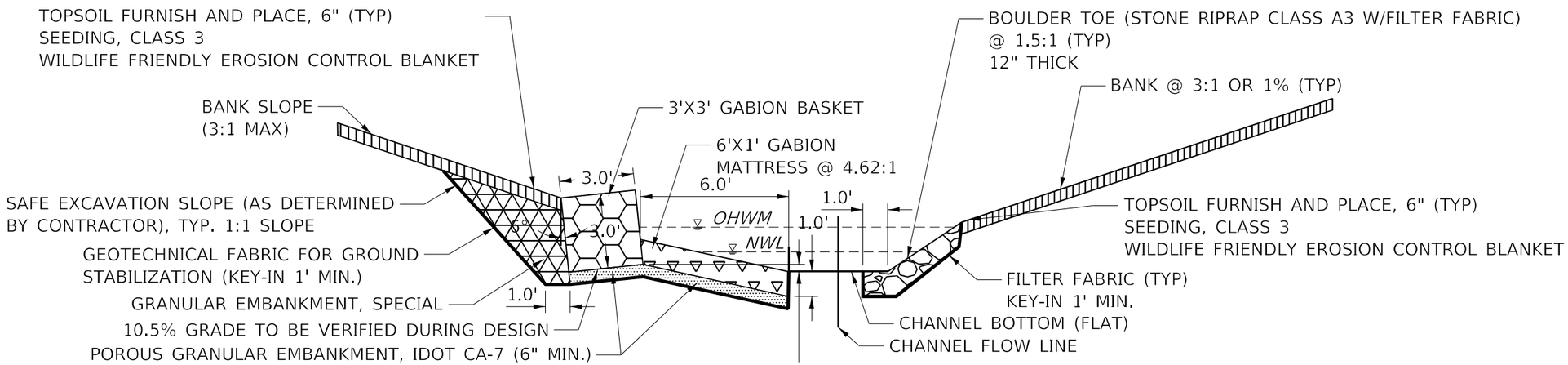
SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 9+85+00 TO STA. 22+82.78

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 21 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

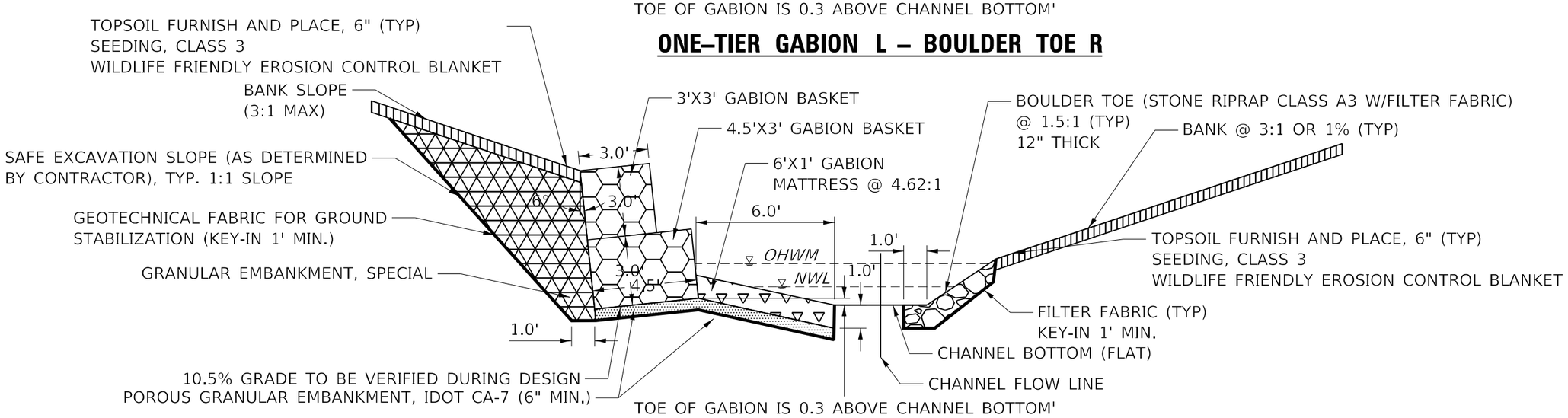
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## BOULDER TOE L–R




## ONE–TIER GABION L – BOULDER TOE R




## TWO–TIER GABION L – BOULDER TOE R

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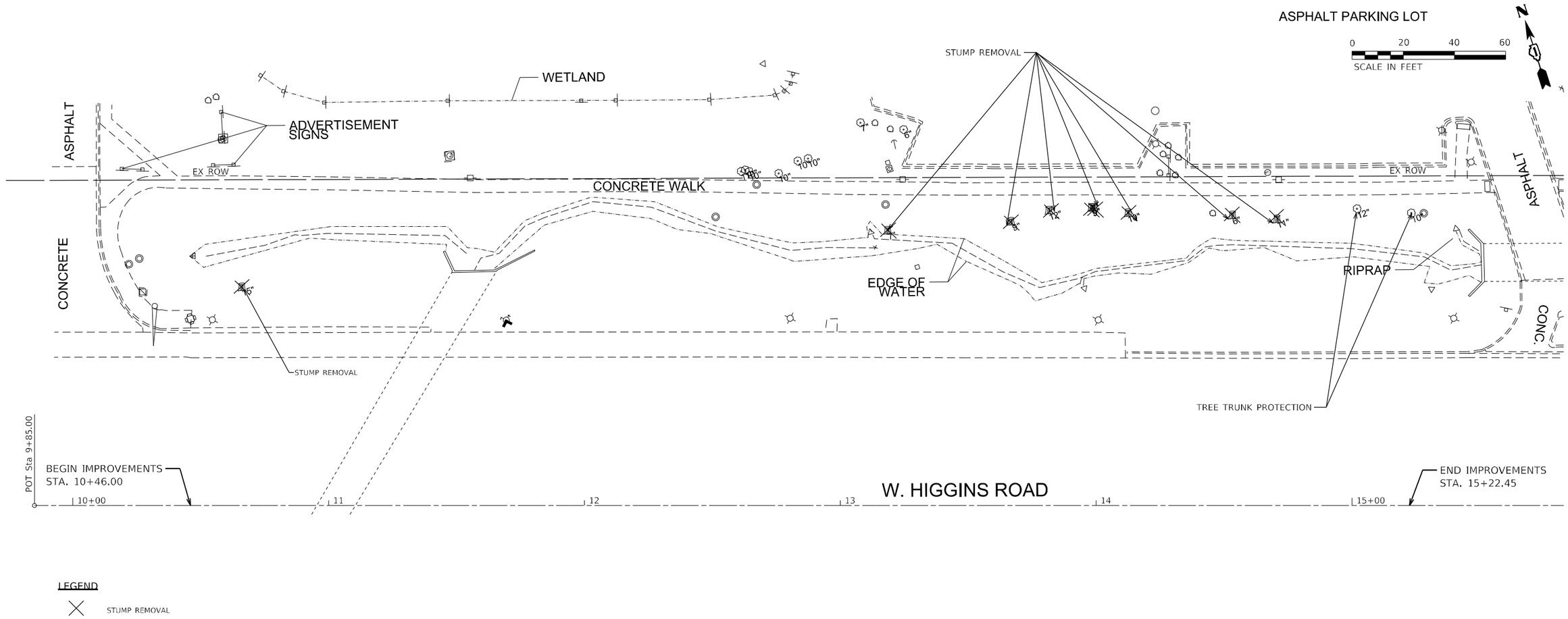
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|---|---|---|---|
| wsp | USER NAME = USKE715271 | DESIGNED - MM | REVISED - |
| | | DRAWN - MM | REVISED - |
| | PLOT SCALE = 5.0000 ' / in. | CHECKED - KE | REVISED - |
| | PLOT DATE = 4/26/2026 | DATE - 03/10/2026 | REVISED - |

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

**IL ROUTE 72**
**TYPICAL SECTIONS**

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

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 22 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




LEGEND

STUMP REMOVAL

MODEL: Default
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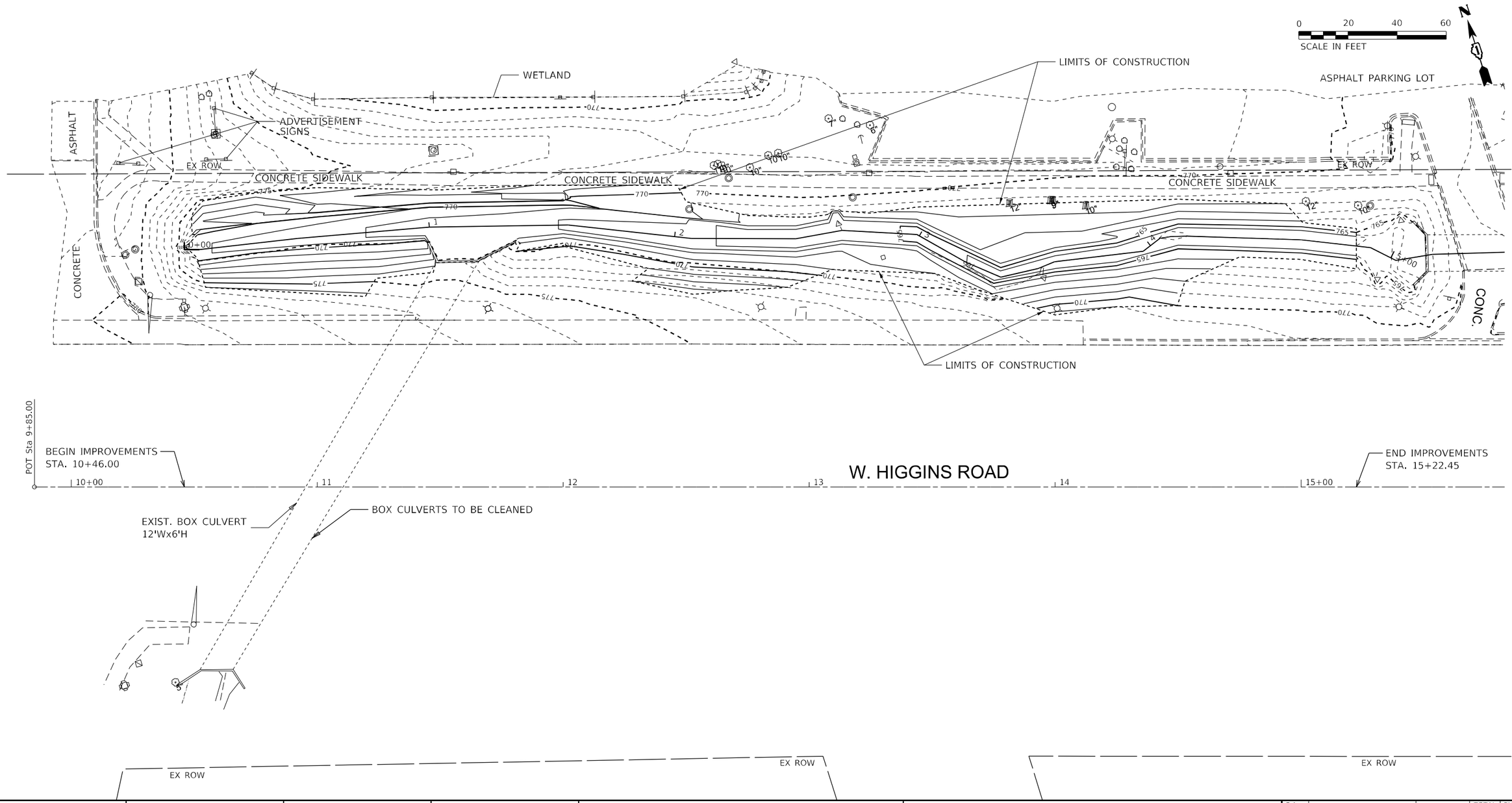
| | | | | |
|---|---|---|---|---|
| wsp | USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | | DRAWN - MM | REVISED - | |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| | PLOT DATE = 4/26/2026 | DATE - 03/10/2026 | REVISED - | |

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

**IL RTE 72**
**REMOVAL PLAN**

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 9+85.00 | TO STA. 21+82.78

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 23 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |




MODEL: Default
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wsp

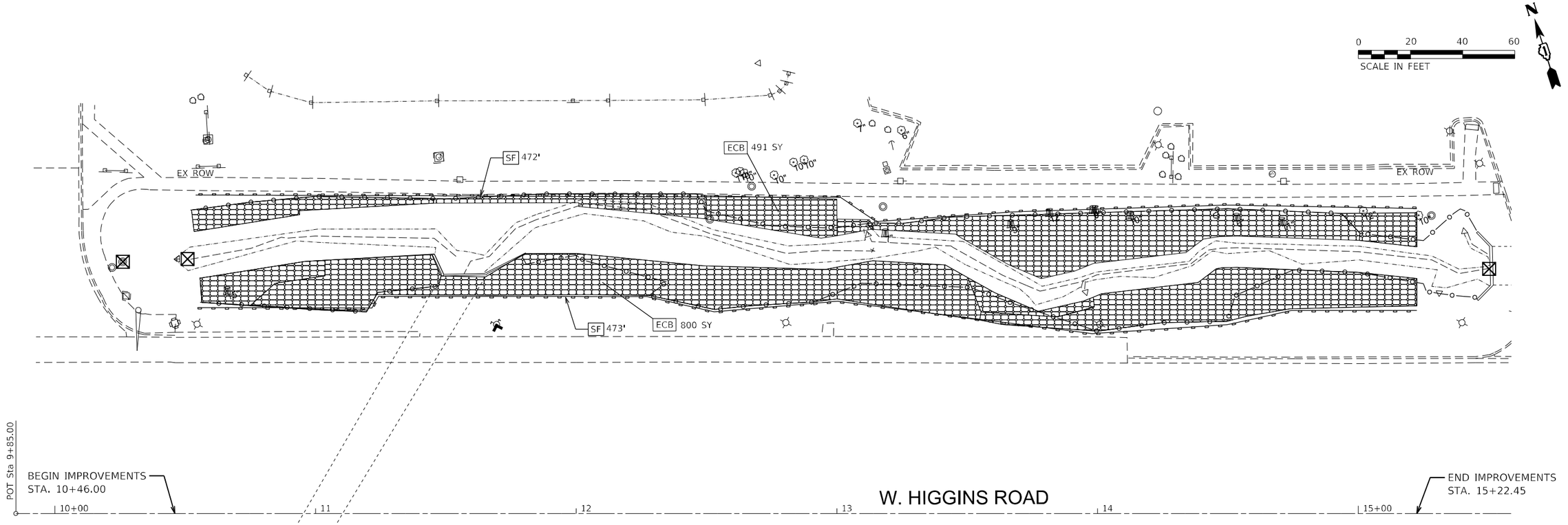
| | | |
|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - |
| | DRAWN - MM | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - |
| PLOT DATE = 4/26/2026 | DATE - 03/10/2026 | REVISED - |

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

**IL RTE 72**
**PROPOSED PLAN**

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 9+85.00 TO STA. 21+82.78

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 24 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |




## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- ECB - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)
- PROPOSED GRADING LIMITS

## NOTE:

4" MULCH TO BE PLACED AROUND ALL EXISTING TREES

MODEL: Default
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wsp

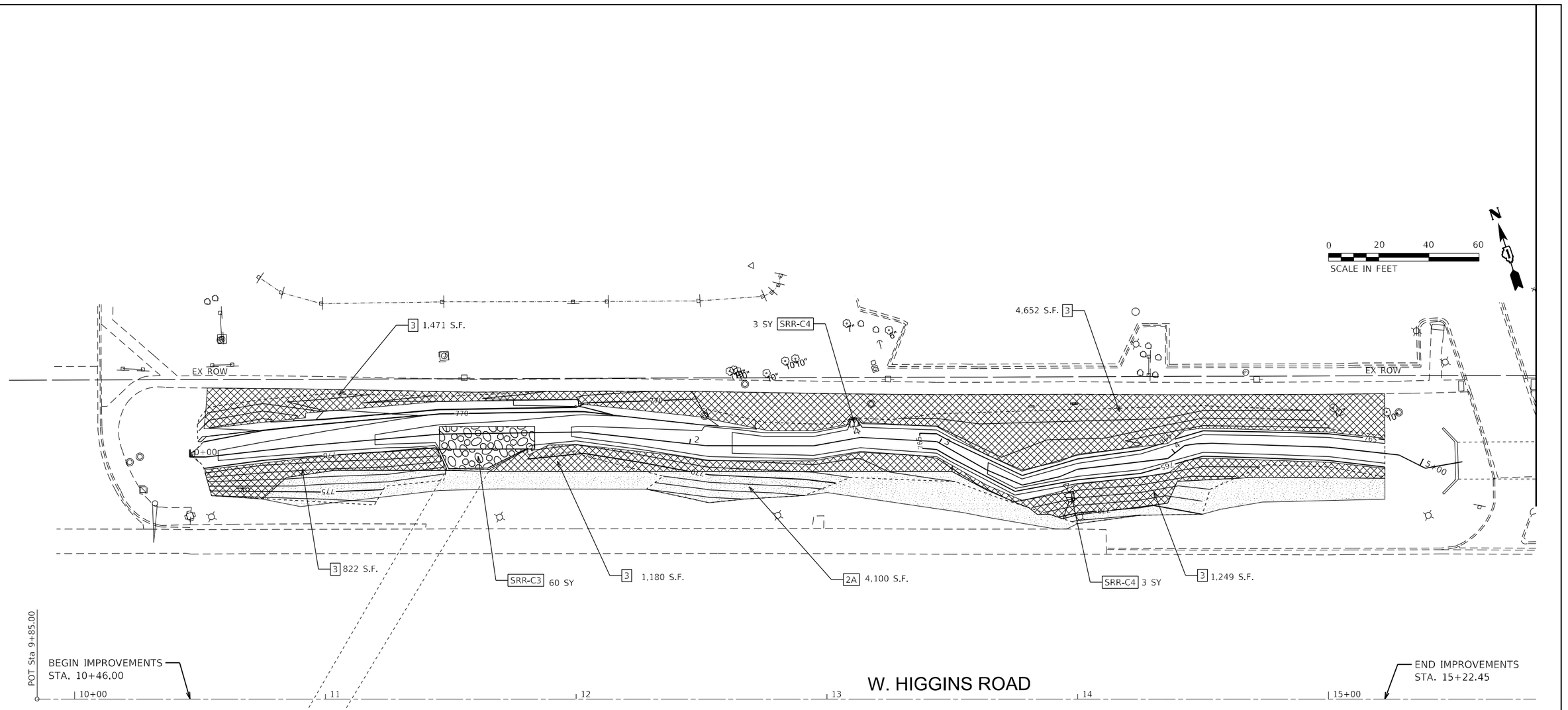
| | | |
|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - |
| | DRAWN - MM | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - |
| PLOT DATE = 4/26/2026 | DATE - 03/10/2026 | REVISED - |

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

**IL RTE 72**
**EROSION CONTROL PLAN**

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 9+85.00 TO STA. 21+82.78

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 25 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## LANDSCAPING LEGEND

2A
- TOPSOIL FURNISH AND PLACE, 6" (21101625)
- SEEDING, CLASS 2A (25000210)
- WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)

3
- TOPSOIL FURNISH AND PLACE, 6" (21101625)
- SEEDING, CLASS 3 (25000300)
- WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)

SRR-C3 STONE RIPRAP, CLASS A3 (28100105)

SRR-C4 STONE RIPRAP, CLASS A4 (28100107)

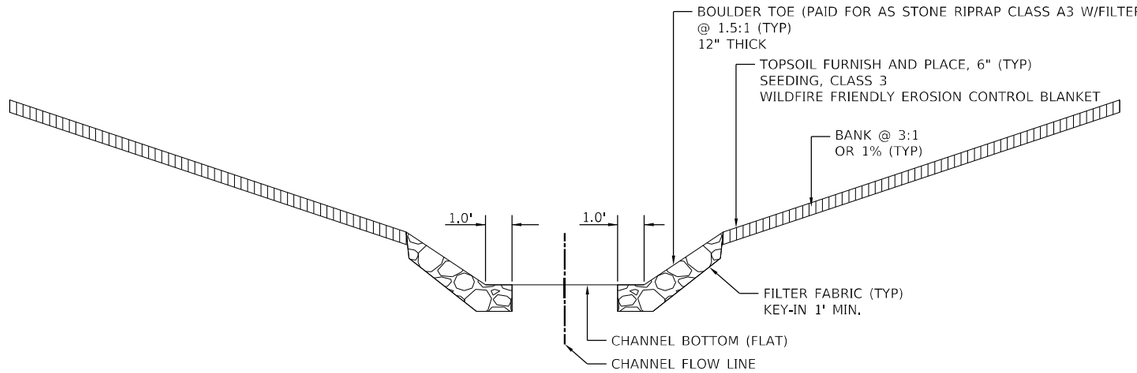
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| | | | | |
|---|---|---|---|---|
| wsp | USER NAME = USKE715271 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | | DRAWN - MM | REVISED - | |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| | PLOT DATE = 4/26/2026 | DATE - 03/10/2026 | REVISED - | |

**IL RTE 72**
**LANDSCAPE PLAN**

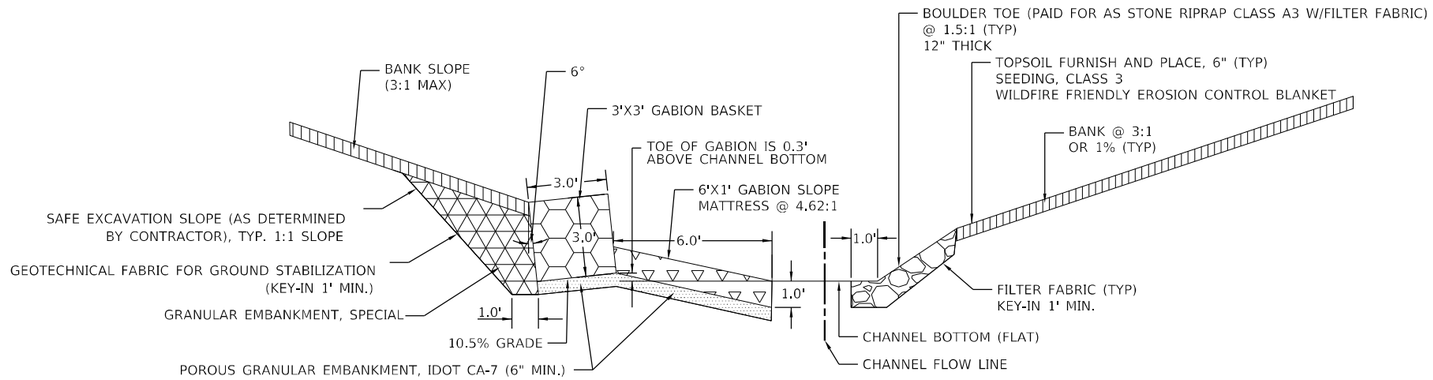
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 9+85.00 TO STA. 15+22.45

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 26 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

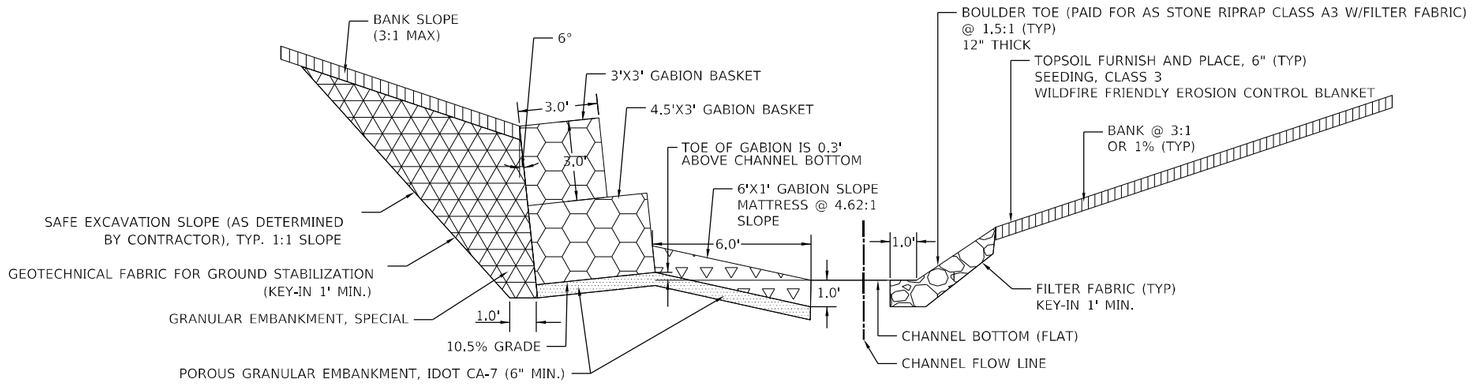



## BOULDER TOE L-R

SECTION A-A (SEE PLAN VIEW)



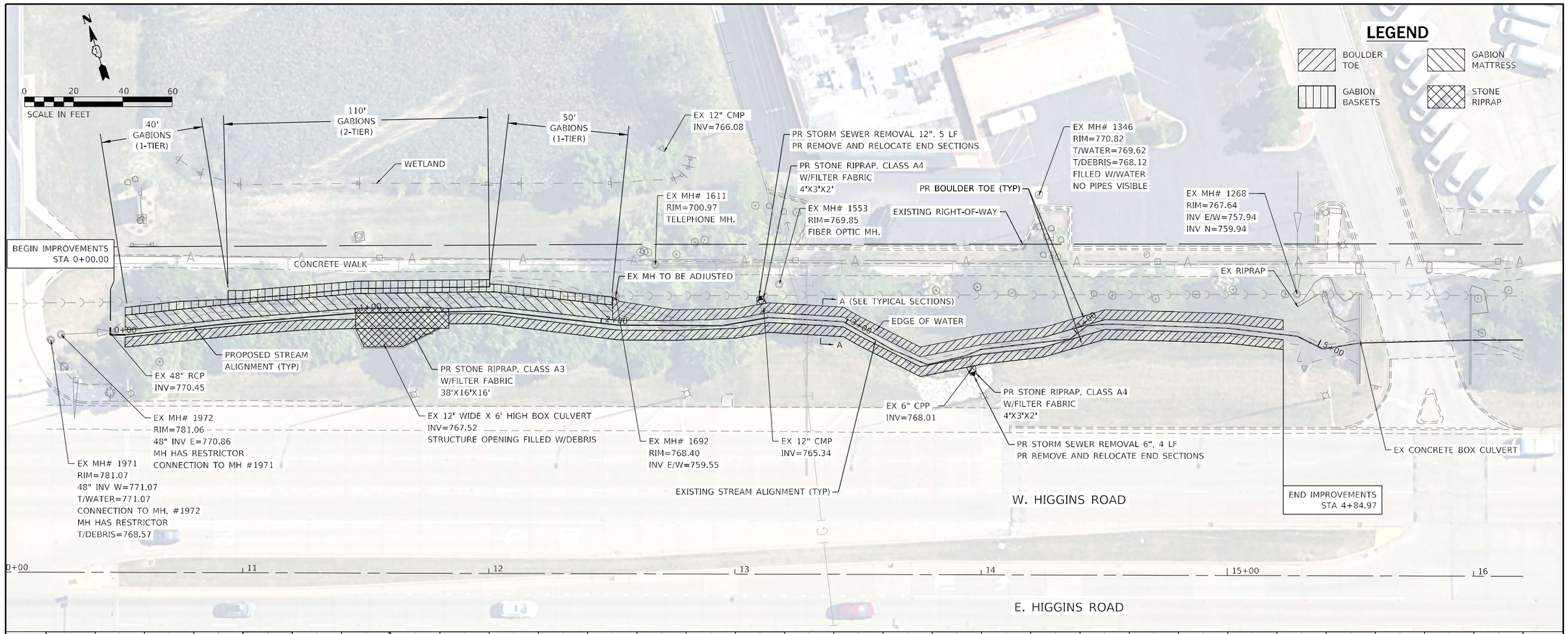

## ONE-TIER GABION L - BOULDER TOE R

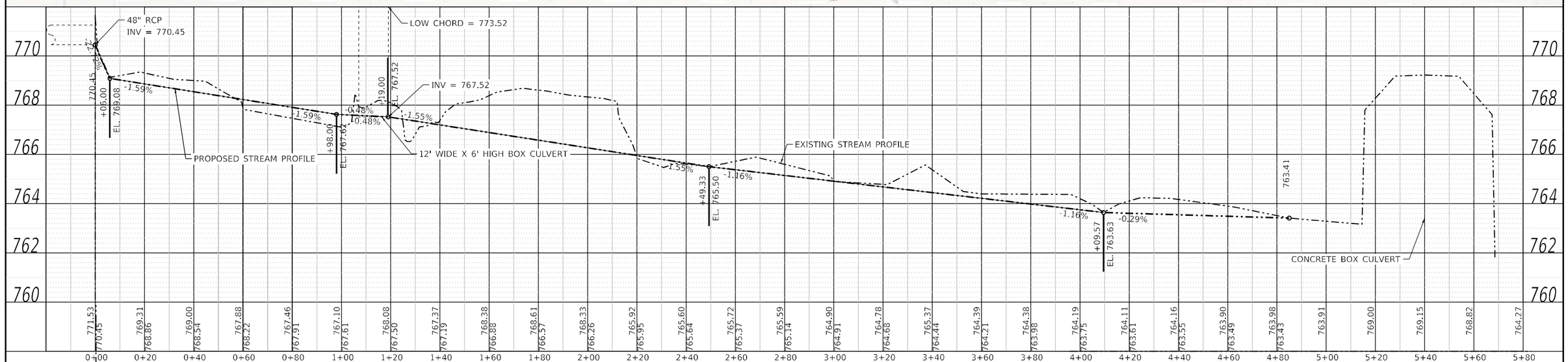



## TWO-TIER GABION L - BOULDER TOE R

| | | | | | |
|---|---|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ILLINOIS ROUTE 72 DRAINAGE TYPICAL SECTIONS |
| | | DRAWN - JK | REVISED - | | |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - ST | REVISED - | | SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA. |
| | PLOT DATE = $DATE$ | DATE - 12/2025 | REVISED - | | |

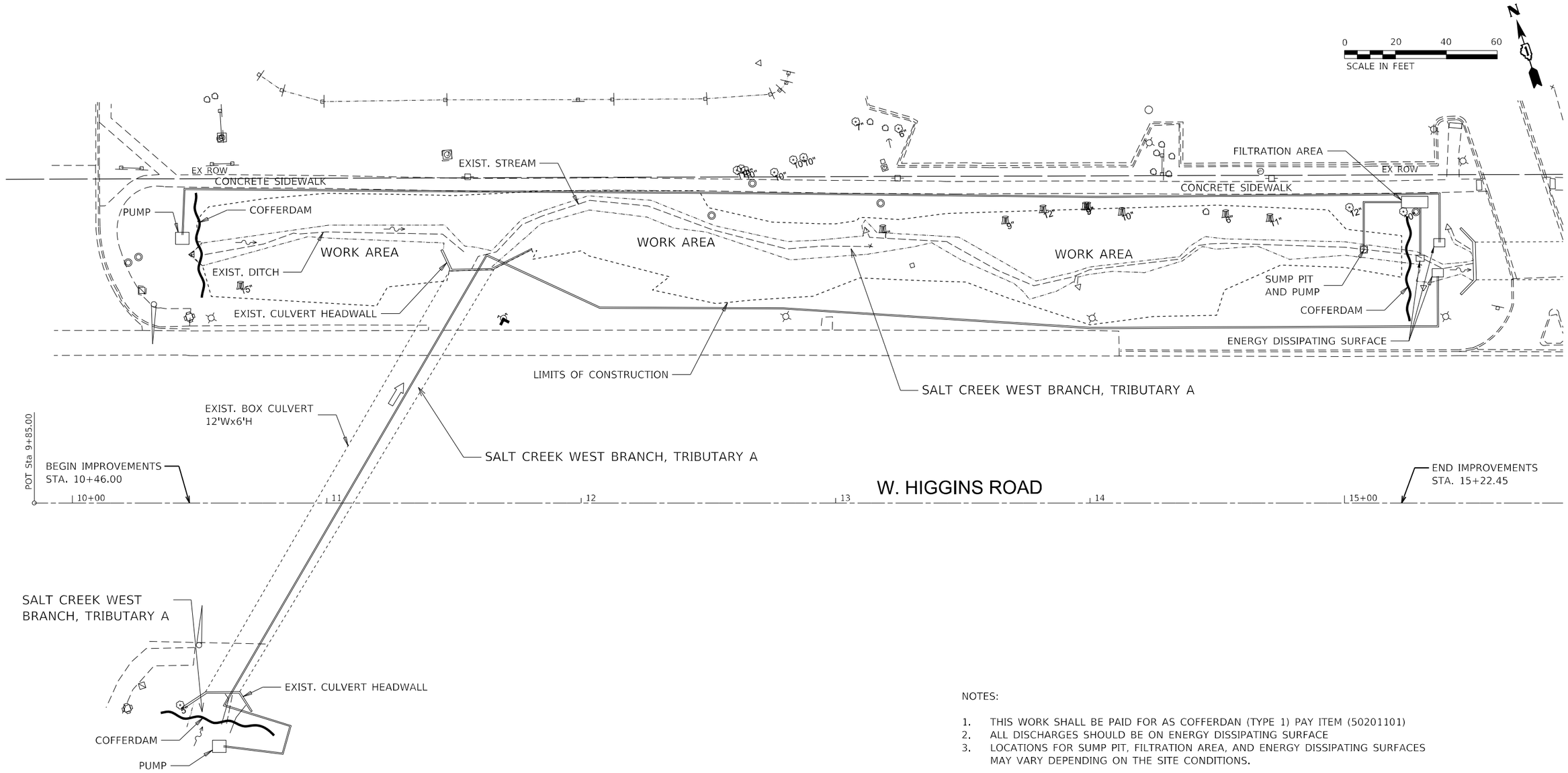
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 27 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |




| | | | | | |
|---|---|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ILLINOIS ROUTE 72 DRAINAGE PLAN AND PROFILE |
| | | DRAWN - JK | REVISED - | | |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - | | SCALE: 1"=20'H:2'V SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 5+17.33 |
| | PLOT DATE = $DATE$ | DATE - 12/2025 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 28 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




NOTES:

1. THIS WORK SHALL BE PAID FOR AS COFFERDAN (TYPE 1) PAY ITEM (50201101)
2. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACE
3. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON THE SITE CONDITIONS.

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wsp

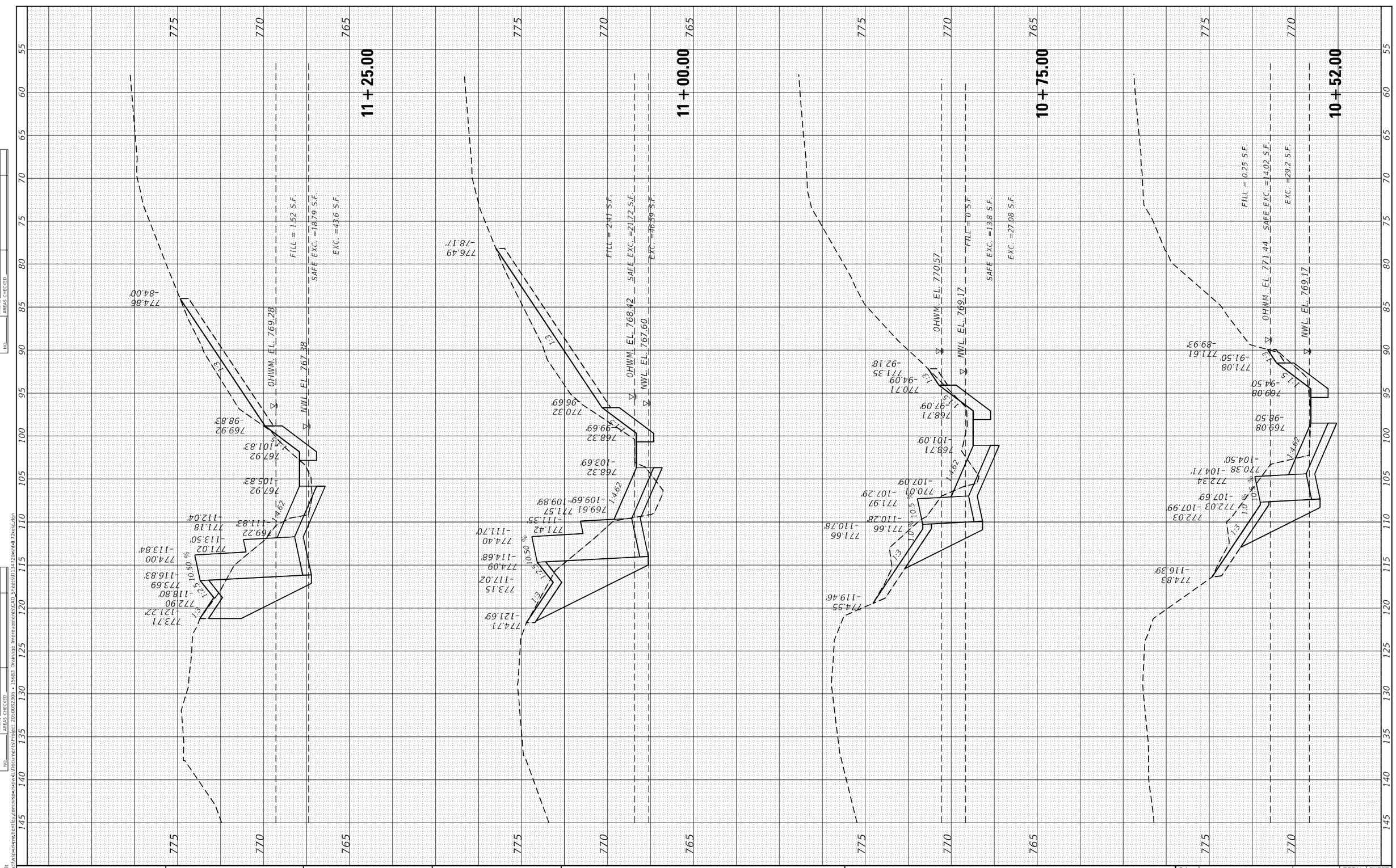
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|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 4/26/2026 | DATE - 03/10/2026 | REVISED - | |

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

**IL RTE 72**
**IN-STREAM WORK PLAN**

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 9+85.00 | TO STA. 21+82.78

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 24 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

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| USER NAME = USKE715271 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - |

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

**IL RTE 72**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 1 OF 14 SHEETS
STA. 10+52.00 TO STA. 11+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 30 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

FINAL SURVEY

| NOTE BOOK | |
|---|---|
| NO. | |

| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
| AREAS CHECKED | | |

ORIGINAL SURVEY

| NOTE BOOK | |
|---|---|
| NO. | |

| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
| AREAS CHECKED | | |

MODEL: Default
FILE NAME: D:\WSP-USA.bentley.com\ws0m-sspw1\Documents\Project 20500823O6 • 15683 Drainage Improvements\CAD Sheets\D134720-sht-IL72-xsc.dgn

12+00.00

FILL = 204 S.F.
SAFE EXC. =6.01 S.F.
EXC. =19.45 S.F.
OHWM EL. 767.14
NWL EL. 766.11
766.97 -108.47'
768.97 -101.50' 769.79 -99.04'
1:1.5
1:4.62
768.27 770.23 -114.47' -114.67'
770.08 -116.13'
773.06 -116.48'
10.5 %
1:3.2
771.02 -119.46'
771.41 -121.46'
-120.29 772.74

11+75.00

FILL = 0 S.F.
SAFE EXC. =1174 S.F.
EXC. =3572 S.F.
OHWM EL. 767.88
NWL EL. 766.39
767.57 -97.75'
767.36 -108.07'
1:4.62
768.66 770.62 -114.07' -114.28'
770.46 -115.73'
773.44 -116.08'
10.5 %
1:3.2
771.70 -119.06' -120.10 773.13
772.15 -121.47'

11+50.00

FILL = 0 S.F.
SAFE EXC. =1185 S.F.
EXC. =5119 S.F.
NWL EL. 767.24
767.90 -91.84'
OHWM EL. 768.62
20 %
767.59 -107.67'
1:4.62
768.89 770.85 -113.67 -113.88'
770.69 -115.33'
773.67 -115.68'
10.5 %
1:3.2
772.31 -119.58 773.36 -118.67'
772.70 -120.75'

11+45.60

FILL = 0 S.F.
SAFE EXC. =1269 S.F.
EXC. =4368 S.F.
OHWM EL. 769.06
NWL EL. 767.39
767.72 -99.40'
20 %
767.61 -107.60'
1:4.62
768.91 770.87 -113.60 -113.81'
770.72 -115.26'
773.70 -115.61'
10.5 %
1:3.2
772.46 -119.59 773.38 -118.59'
772.88 -120.84'

| USER NAME = USKE715271 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - |

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

**IL RTE 72**
**CROSS SECTIONS**

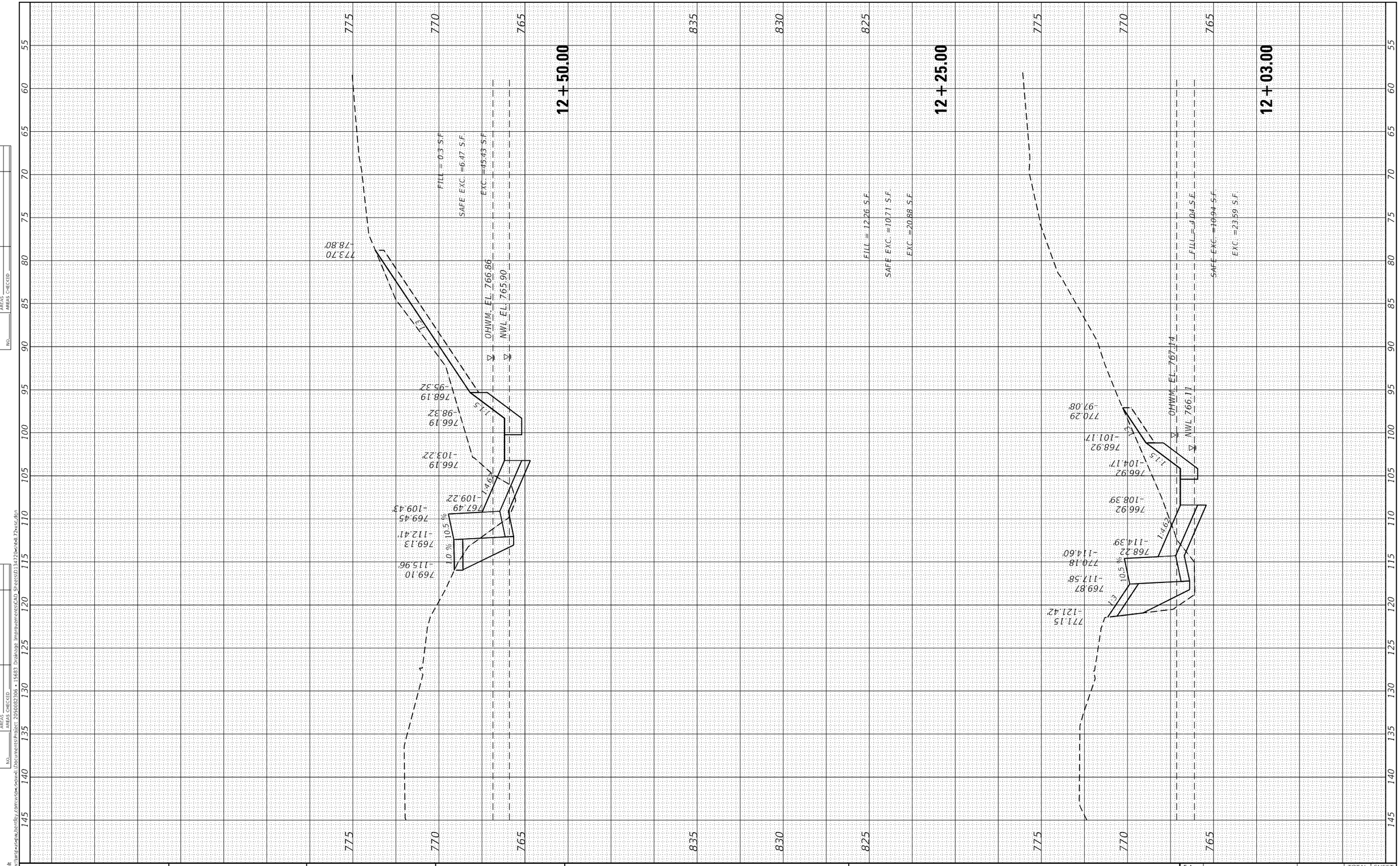
SCALE: H: 1"=10' V: 1"=5' | SHEET 2 OF 14 SHEETS | STA. 11+45.60 | TO STA. 12+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 31 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

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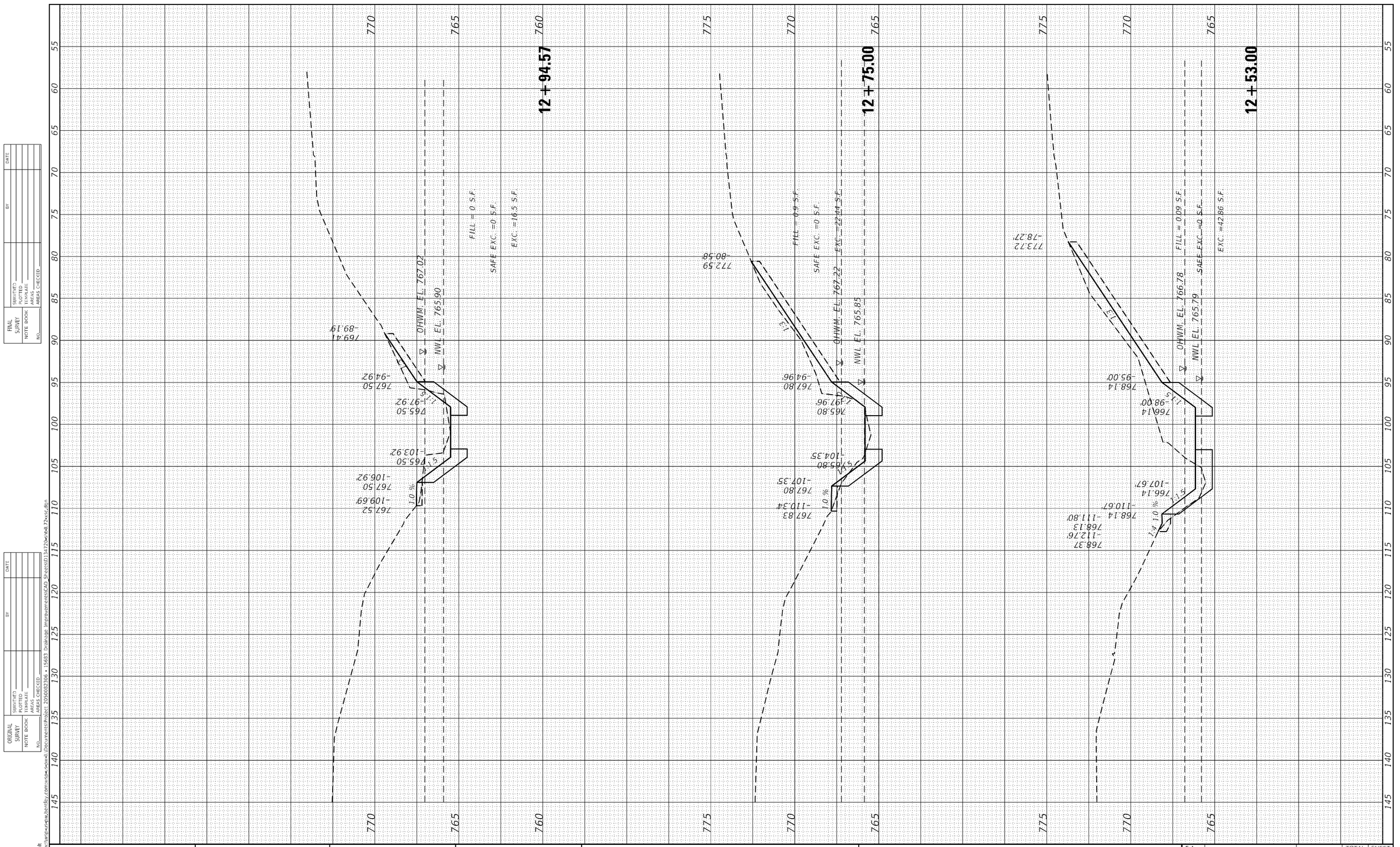

| USER NAME = USKE715271 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - |

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

**IL RTE 72**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 3 OF 14 SHEETS STA. 12+03.00 TO STA. 12+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 32 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - | |

**IL RTE 72**
**CROSS SECTIONS**

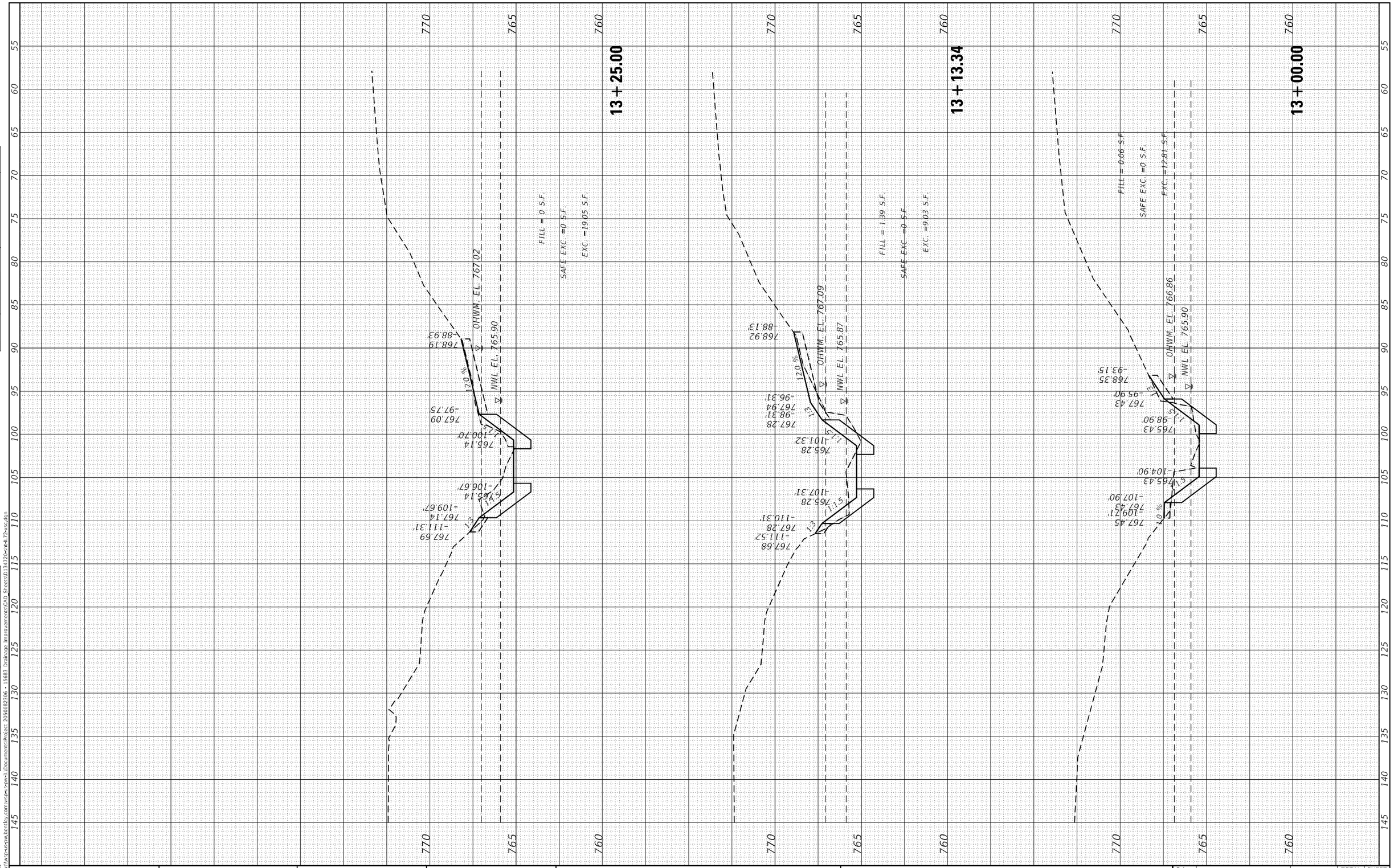
SCALE: H: 1"=10'
V: 1"=5'
SHEET 4 OF 14 SHEETS STA. 12+53.00 TO STA. 12+94.57

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 33 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

MODEL: Default
FILE NAME: D:\wsi-us-nw.bentley.com:wsi-sowli\Documents\Project 2056082306 - 15683 Drainage Improvements\CAD Sheets\D134720x314li72xssc.dgn




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

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

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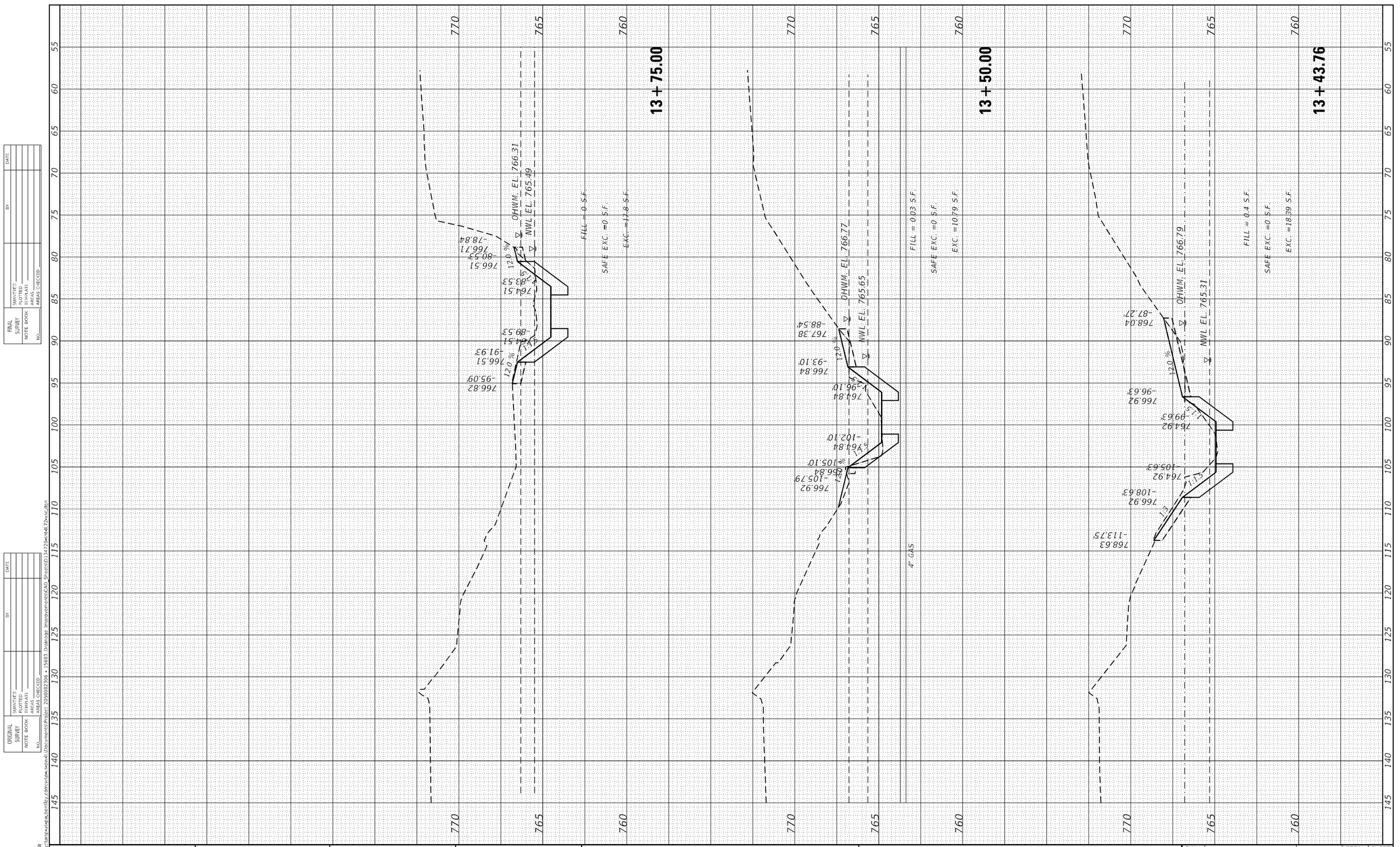
| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - | |

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

**IL RTE 72**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 5 OF 14 SHEETS | STA. 13+00.00 | TO STA. 13+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 34 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

MODEL: Default
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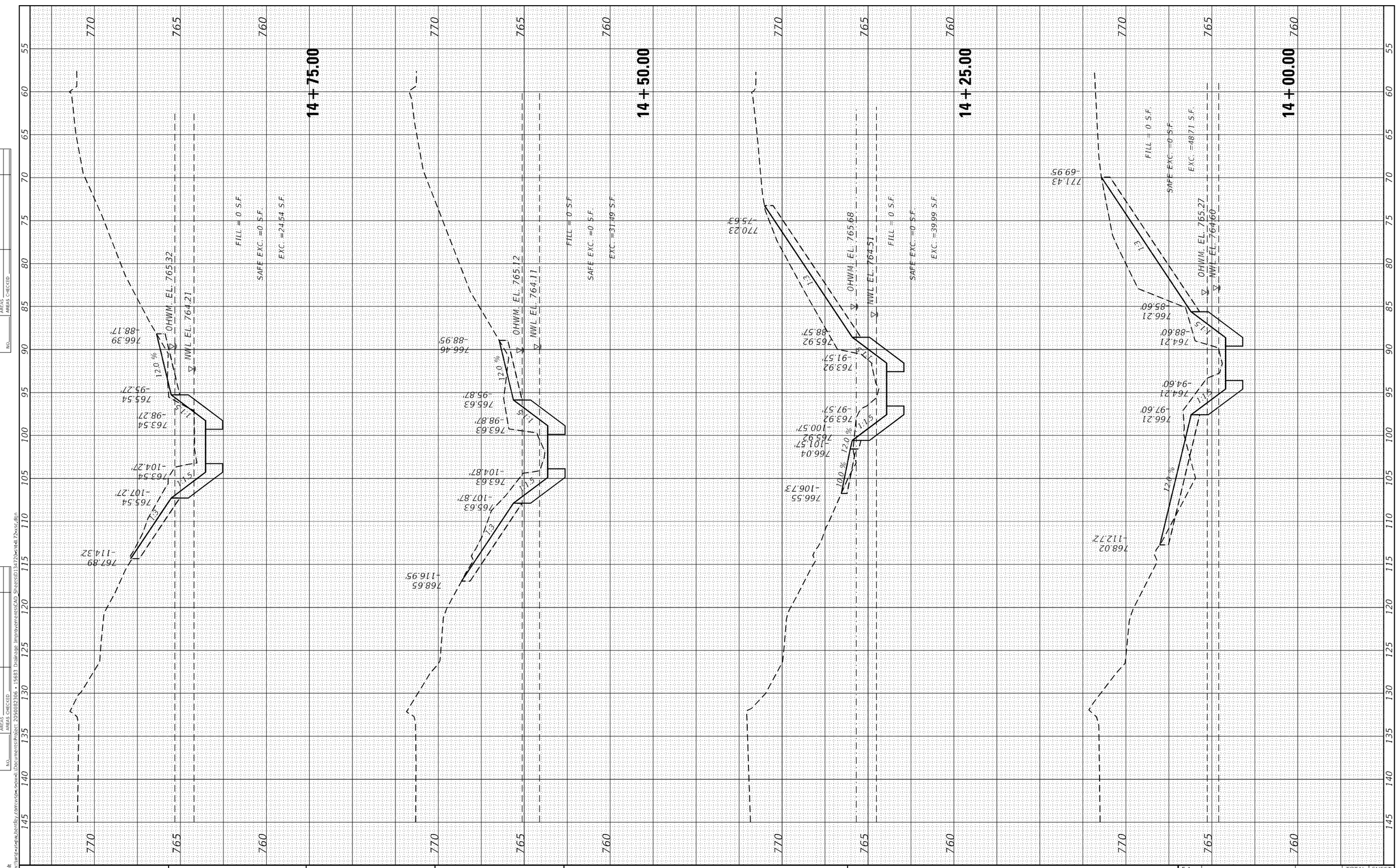
| | | |
|---|---|---|
| USER NAME = USKE715271 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - |

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

**IL RTE 72**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 6 OF 14 SHEETS STA. 13+43.76 TO STA. 13+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 35 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

MODEL: Default
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| USER NAME = USKE715271 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - |

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

**IL RTE 72**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'

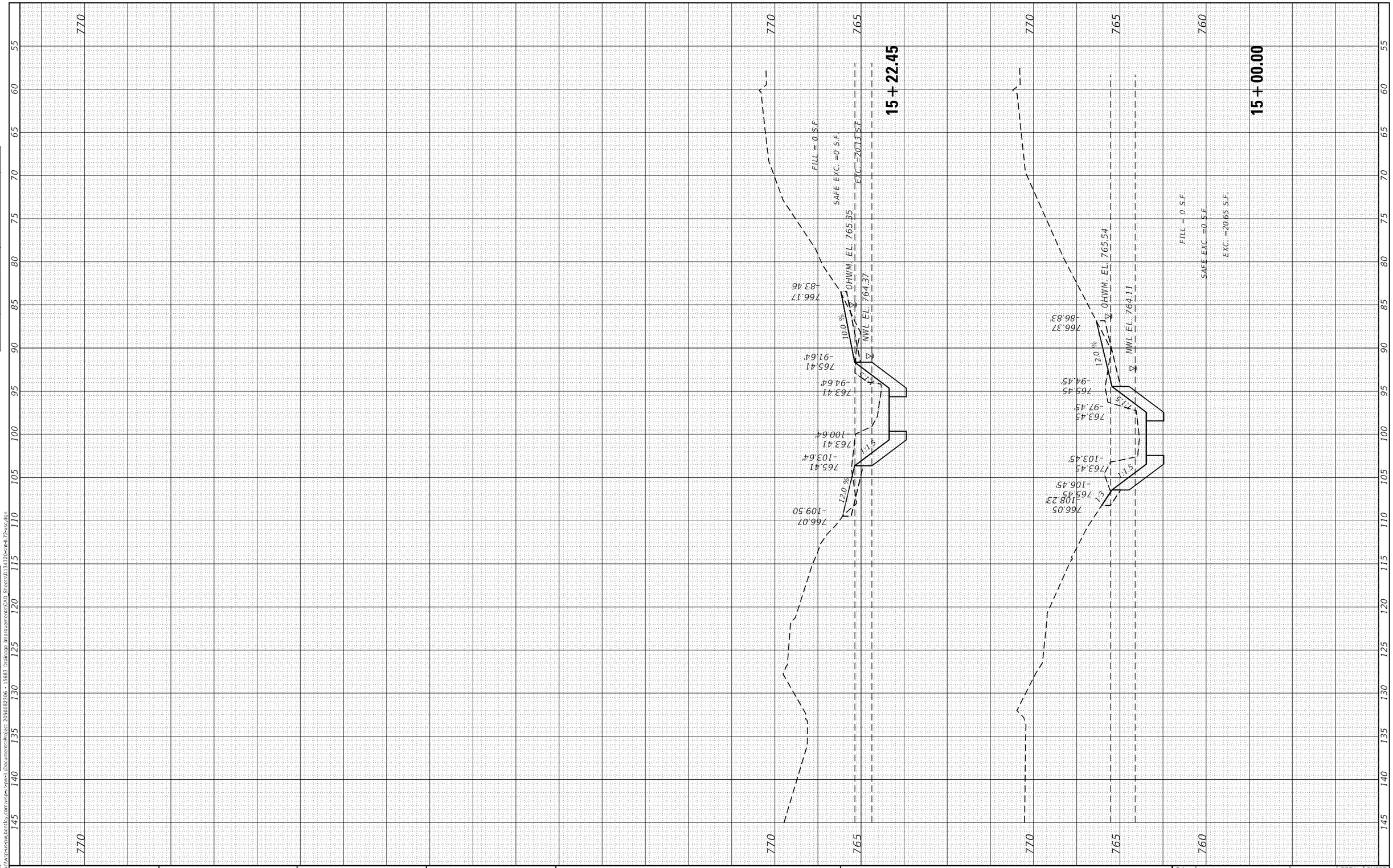
SHEET 7 OF 14 SHEETS | STA. 14+00.00 | TO STA. 14+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 36 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

MODEL: Default
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| USER NAME = USKE715271 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 4/23/2026 | DATE - | REVISED - |

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

**IL RTE 72**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 8 OF 14 SHEETS
STA. 15+00.00 TO STA. 15+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 135 | 37 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## BENCHMARKS

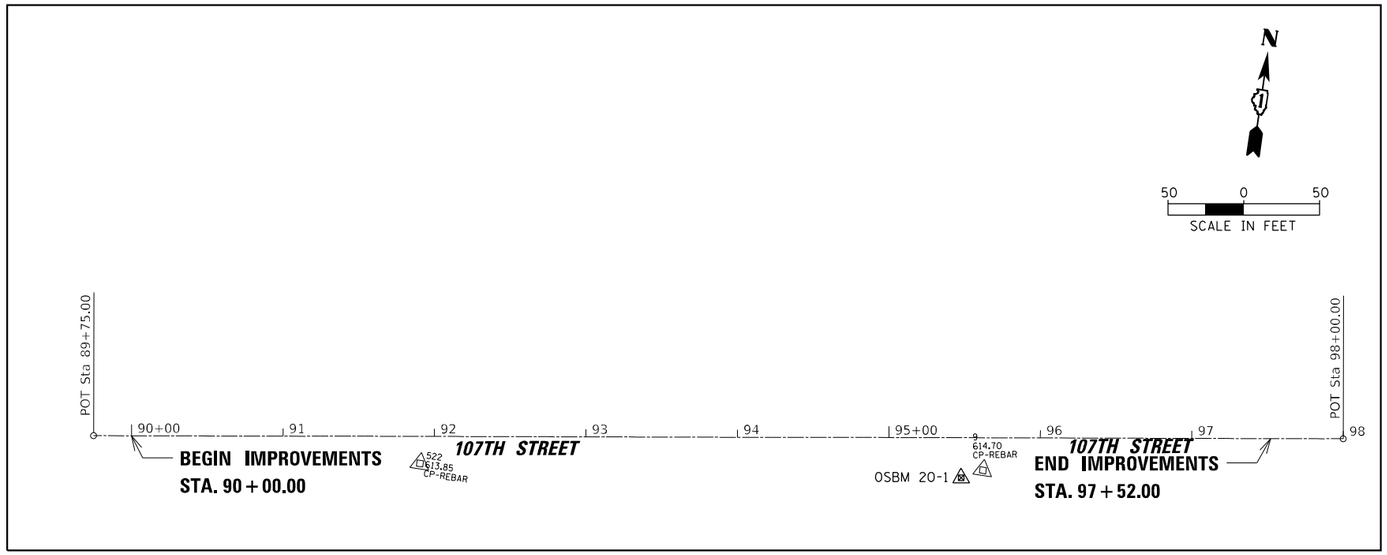
OSBM 20-1 SQUARE CUT ON SOUTHWEST CORNER OF CONC. HEADWALL OF 18" VCP CULVERT ON SOUTH SIDE OF 107TH ST.
ELEVATION=615.56

OSBM 20-2 SQUARE CUT ON SOUTHEAST CORNER OF CONC. HEADWALL OF 24" VCP CULVERT ON NORTH SIDE OF 107TH ST.
ELEVATION=601.20

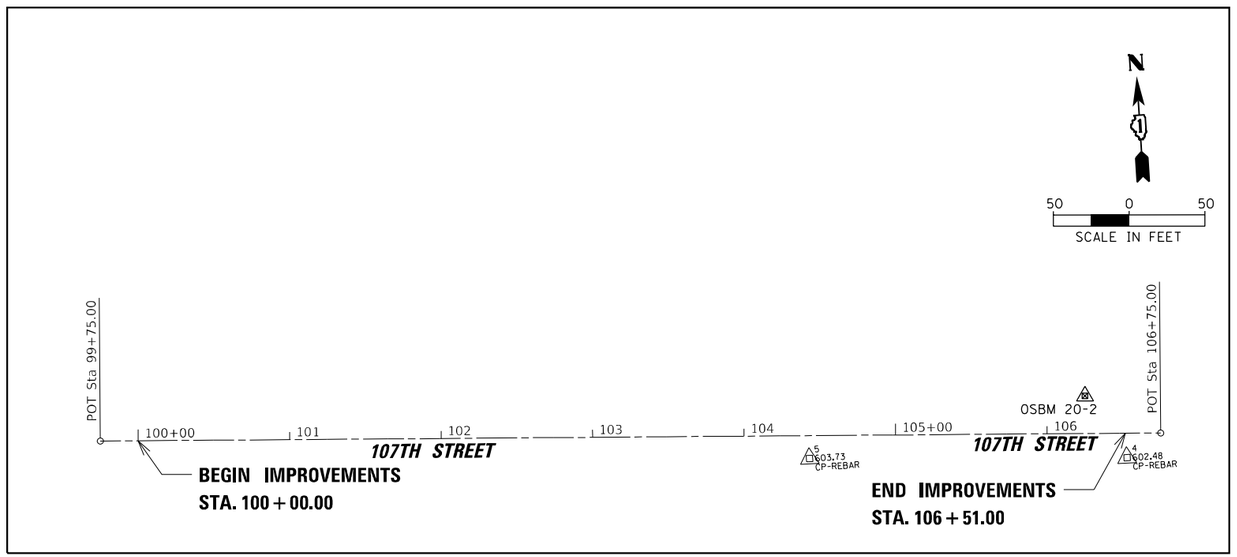
DATUM: NAVD '88 (GPS OBSERVED)

| CONTROL POINTS | | | |
|---|---|---|---|
| 107TH STREET | | | |
| # | ELEVATION | N | E |
| 4 | 602.48 | 1832749.375 | 1104178.247 |
| 5 | 603.73 | 1832761.625 | 1103968.964 |
| 9 | 614.70 | 1832363.797 | 1099791.099 |
| 522 | 613.85 | 1832314.737 | 1099422.680 |

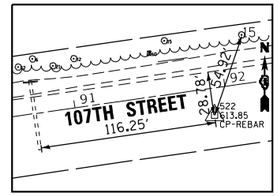
| ALIGNMENT COORDINATES | | | |
|---|---|---|---|
| 107TH STREET | | | |
| | STATION | N | E |
| POT | 89+75.00 | 1832301.8724 | 1099206.8033 |
| POT | 98+00.00 | 1832418.6395 | 1100023.4981 |
| POT | 99+75.00 | 1832801.6446 | 1103502.4068 |
| POT | 106+75.00 | 1832764.3362 | 1104201.4119 |



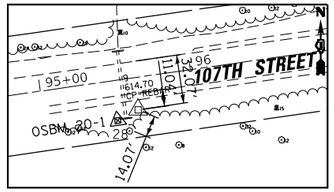

## SITE #2



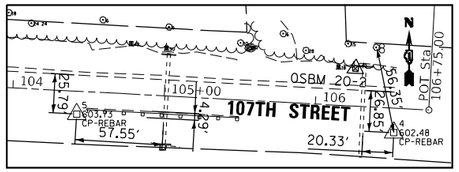

## SITE #1



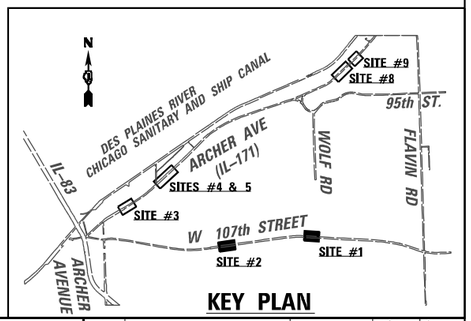

CONTROL POINT #522




CONTROL POINT #9




CONTROL POINT #4 AND 5

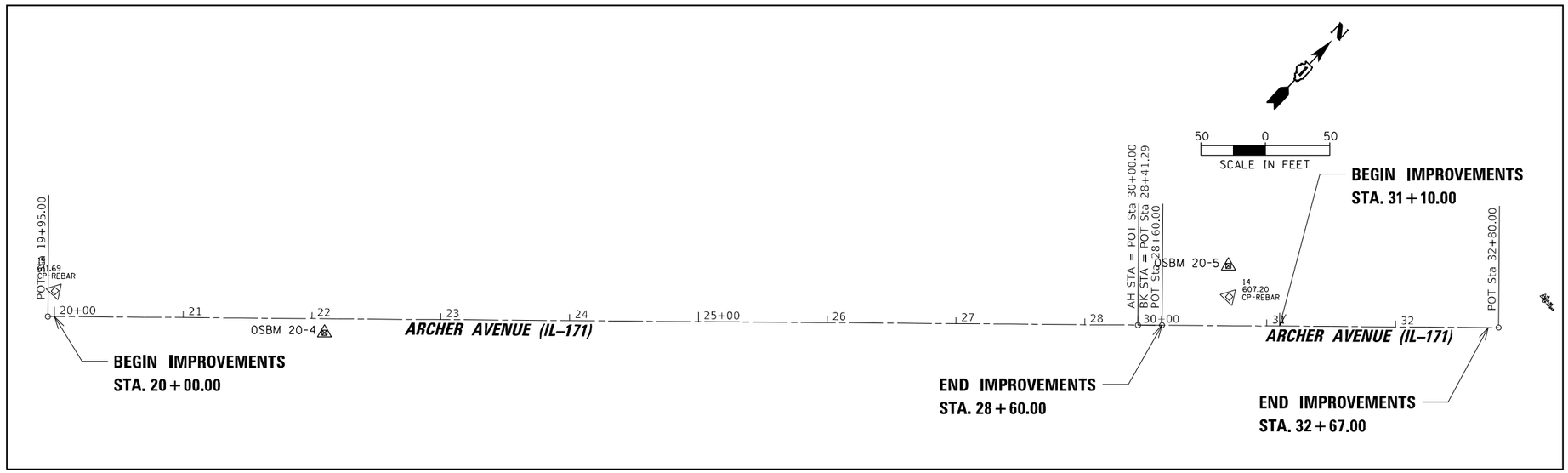



KEY PLAN

| | | | | |
|---|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SITES #1 AND 2 – 107TH STREET ALIGNMENT, TIES AND BENCHMRKS |
| | DRAWN - MM | REVISED - | | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | | SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 90+00.00 TO STA. 106+75.00 |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 38 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

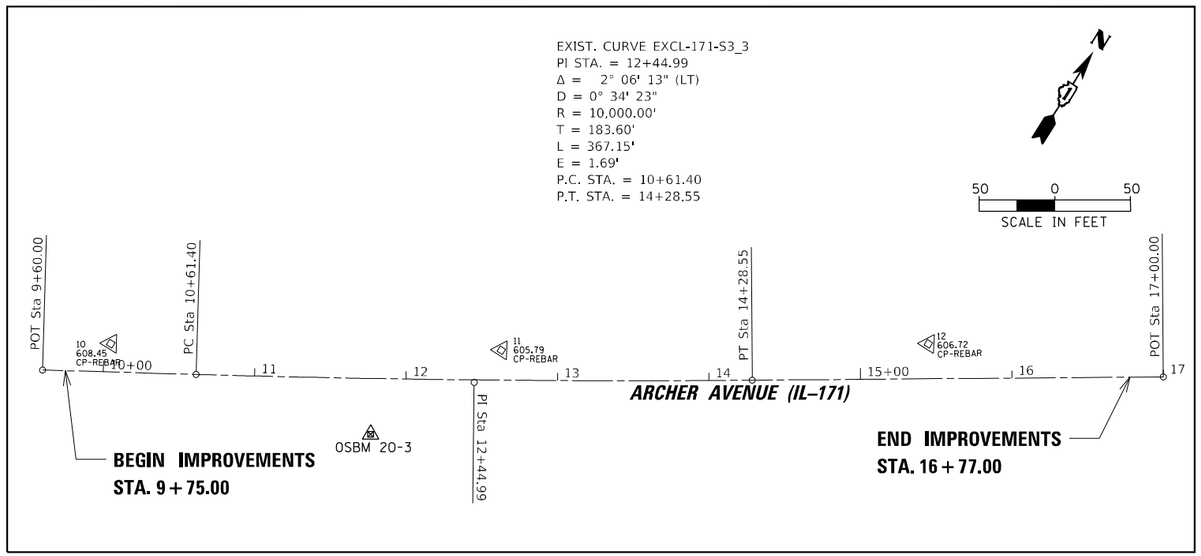
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FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw3\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-IL 171-align-10.dgn




## SITE #4

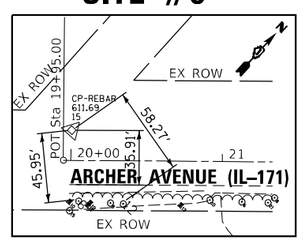
| CONTROL POINTS | | | |
|---|---|---|---|
| 107TH STREET | | | |
| # | ELEVATION | N | E |
| 10 | 608.45 | 1834130.9548 | 1094357.2460 |
| 11 | 605.79 | 1834264.2212 | 1094577.9694 |
| 12 | 606.72 | 1834417.5834 | 1094814.5492 |
| 14 | 607.20 | 1836028.2678 | 1096800.6012 |
| 15 | 611.69 | 1835411.3292 | 1096129.5269 |

| ALIGNMENT COORDINATES | | | |
|---|---|---|---|
| ARCHER AVENUE (IL-171) | | | |
| | STATION | N | E |
| POT | 9+60.00 | 1834092.2704 | 1094328.3474 |
| PC | 10+61.40 | 1834143.6560 | 1094415.7588 |
| PI | 12+44.99 | 1834236.6997 | 1094574.0340 |
| PT | 14+28.55 | 1834335.4904 | 1094728.7871 |
| POT | 17+00.00 | 1834481.5525 | 1094957.5895 |
| POT | 19+95.00 | 1835393.0624 | 1096138.9745 |
| POT | 28+41.29 | 1835963.9624 | 1096763.7035 |
| POT | 28+60.00 | 1835976.5814 | 1096777.5123 |
| POT | 30+00.00 | 1835963.9624 | 1096763.7035 |
| POT | 32+80.00 | 1836153.0480 | 1096970.2141 |

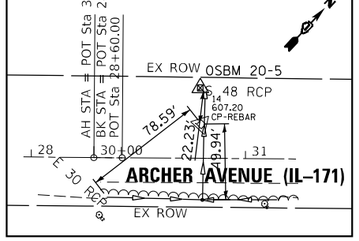



## SITE #3

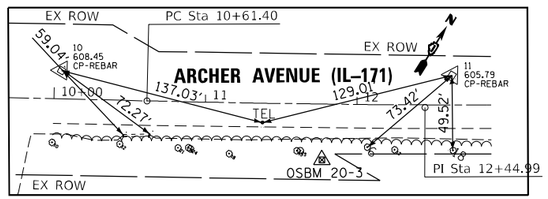
## SITE #5



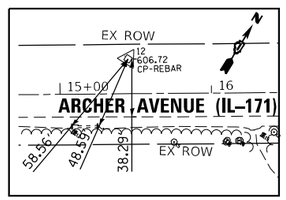

CONTROL POINT #15




CONTROL POINT #14




CONTROL POINT #10 AND 11




CONTROL POINT #12

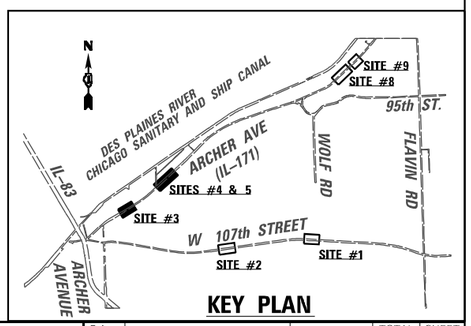
## BENCHMARKS

OSBM 20-3 BRASS DISK IN CONC. MONUMENT ON SOUTH SIDE OF ARCHER AVE. APPROX. ±225 SOUTHWEST OF A CONC. HEADWALL WITH A 36"x30" CULVERT.
ELEVATION=609.78

OSBM 20-4 NORTH EDGE OF AT&T TEL MANHOLE RIM 10' SOUTH OF ARCHER AVE.℄ & APPROX. ±385' SOUTHWEST OF SOUTH CONC. HEADWALL OF 30"x15" CULVERT.
ELEVATION=611.29

OSBM 20-5 SQUARE CUT IN TOP END OF 48" RCP FES WEST WALL ON NORTH SIDE OF ARCHER AVE.
ELEVATION=602.08

DATUM: NAVD '88 (GPS OBSERVED)




KEY PLAN

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-us-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720c-IL171-align-102.dgn

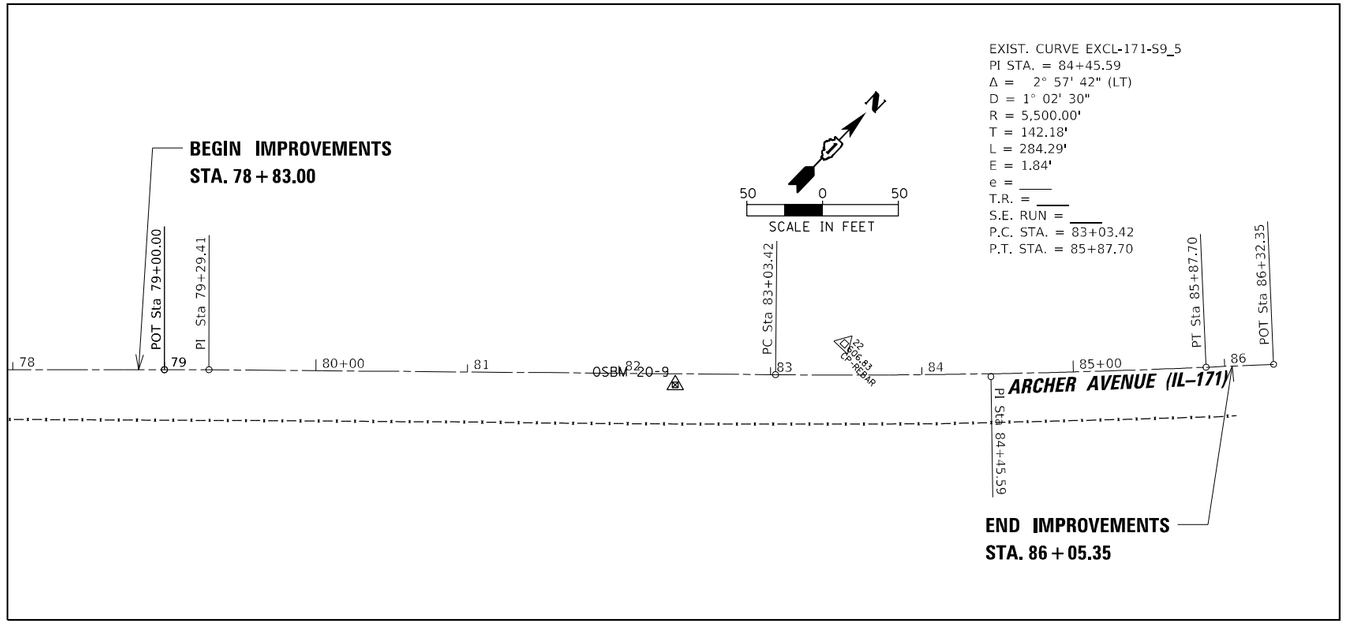
| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

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

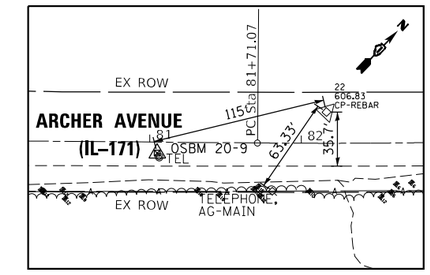
**SITES #3, 4 AND 5 – IL RTE 171**
**ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=50' | SHEET 2 OF 4 SHEETS | STA. 9+60.00 TO STA. 32+80.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 39 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |



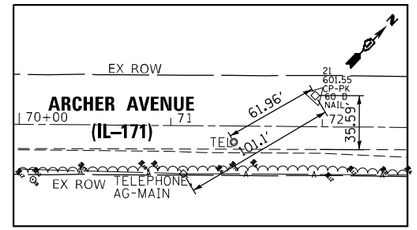

# SITE #9



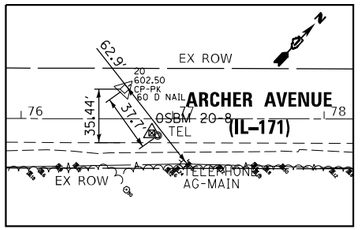

CONTROL POINT #22

| CONTROL POINTS | | | |
|---|---|---|---|
| ARCHER AVENUE (IL-171) | | | |
| # | ELEVATION | N | E |
| 20 | 602.50 | 1834130.9548 | 1094357.2460 |
| 21 | 601.55 | 1834264.2212 | 1094577.9694 |
| 22 | 606.83 | 1834417.5834 | 1094814.5492 |

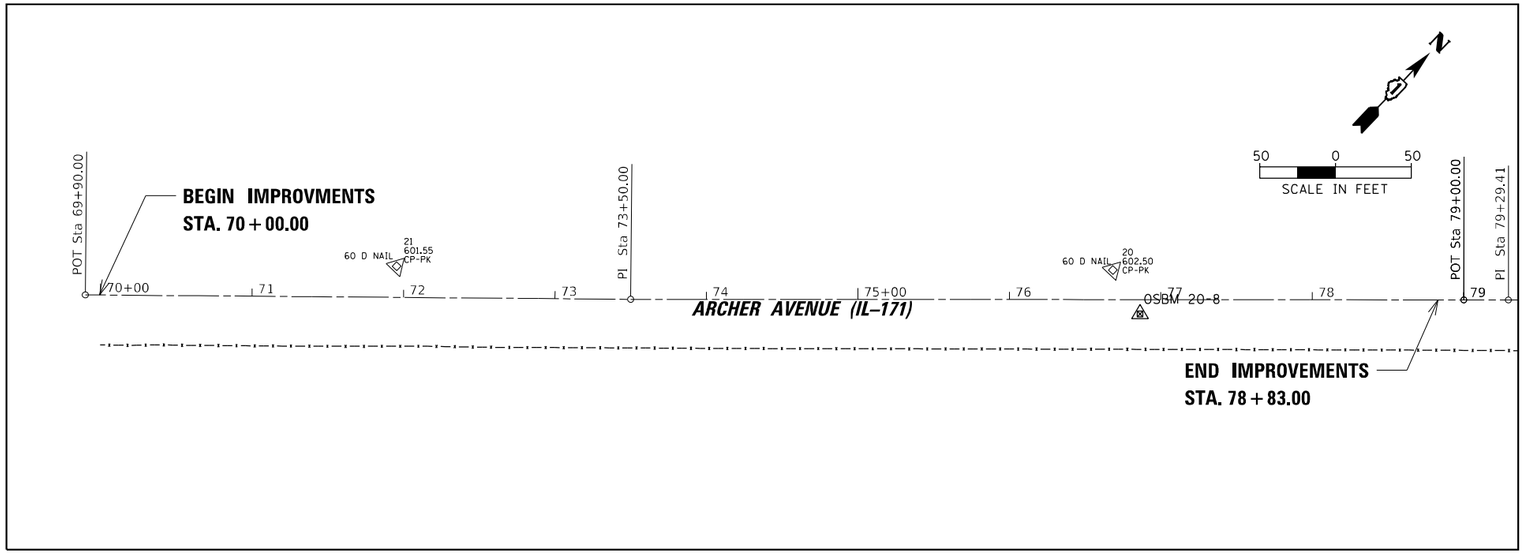
| ALIGNMENT COORDINATES | | | |
|---|---|---|---|
| ARCHER AVENUE (IL-171) | | | |
| | STATION | N | E |
| POT | 69+90.00 | 1840674.7119 | 1104976.0967 |
| PI | 73+50.00 | 1840921.1027 | 1105238.5687 |
| POT | 79+00.00 | 1841300.5198 | 1105636.7429 |
| POT | 79+90.00 | 1841452.7993 | 1105798.7579 |
| PC | 81+71.07 | 1841576.6715 | 1105930.8255 |
| PI | 83+13.25 | 1841673.9358 | 1106034.5248 |
| PT | 84+55.36 | 1841776.4279 | 1106133.0603 |
| POT | 85+00.00 | 1841808.6101 | 1106164.0002 |




CONTROL POINT #21




CONTROL POINT #20



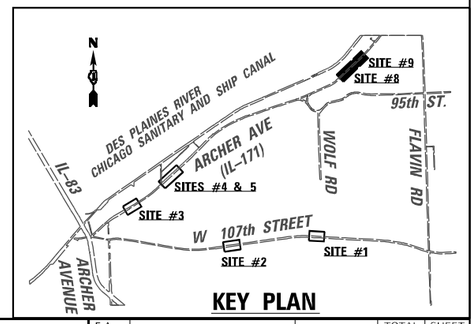

# SITE #8

## BENCHMARKS

OSBM 20-8 NORTH EDGE OF AT&T TEL MANHOLE SOUTH OF ℄ ARCHER AV. APPROX. ±200' WEST OF WEST END OF GUARDRAIL.
ELEVATION=603.06

OSBM 20-9 NORTH EDGE OF AT&T TEL MANHOLE RIM APPROX. ±110' EAST OF EAST END OF GAURDRAIL 10' SOUTH OF ARCHER AVE. ℄
ELEVATION=606.36

DATUM: NAVD '88 (GPS OBSERVED)




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

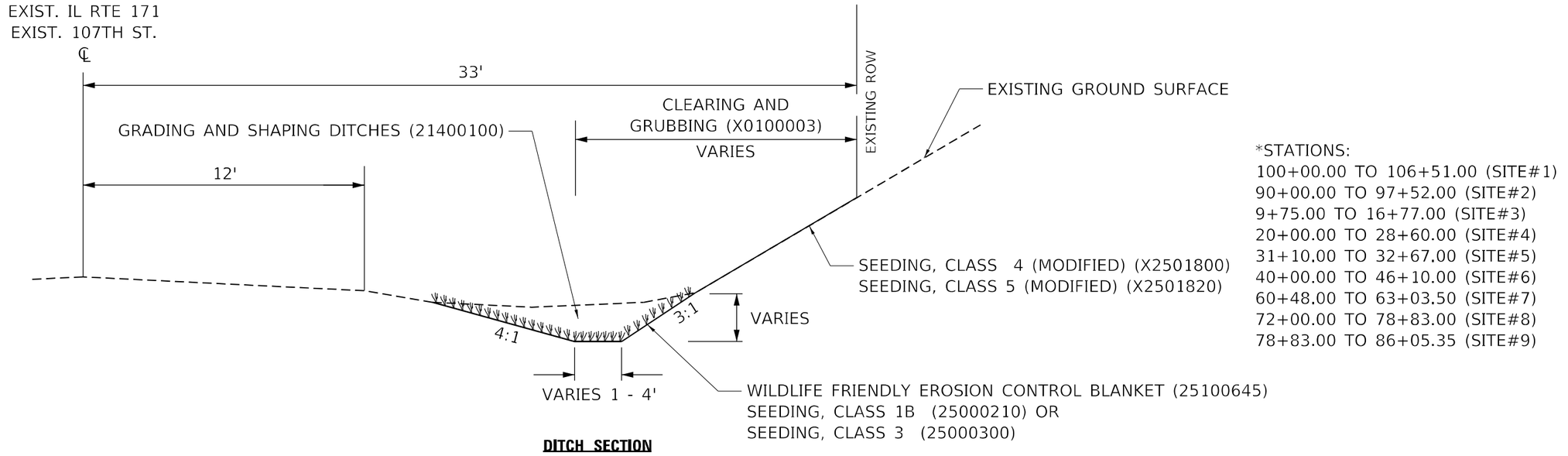
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SITES #8 AND 9 – IL RTE 171**
**ALIGNMENT, TIES AND BENCHMRKS**

SCALE: 1"=50' | SHEET 4 OF 4 SHEETS | STA. 69+90.00 | TO STA. 85+00.00

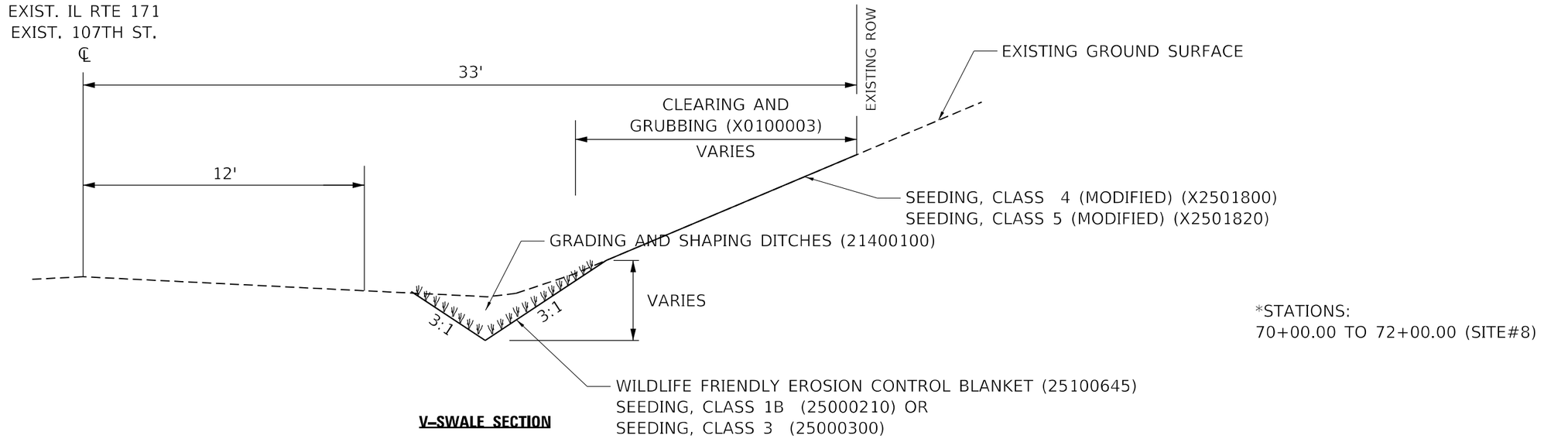
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 40 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MODEL: Default
FILE NAME: pw:\\wsp-uspw.bentley.com:wsp-ic-pw-fi.\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD_Sheets\D134720-ent-IL171-align-104.dgn




**DITCH SECTION**

*STATIONS:
100+00.00 TO 106+51.00 (SITE#1)
90+00.00 TO 97+52.00 (SITE#2)
9+75.00 TO 16+77.00 (SITE#3)
20+00.00 TO 28+60.00 (SITE#4)
31+10.00 TO 32+67.00 (SITE#5)
40+00.00 TO 46+10.00 (SITE#6)
60+48.00 TO 63+03.50 (SITE#7)
72+00.00 TO 78+83.00 (SITE#8)
78+83.00 TO 86+05.35 (SITE#9)




**V-SWALE SECTION**

*STATIONS:
70+00.00 TO 72+00.00 (SITE#8)

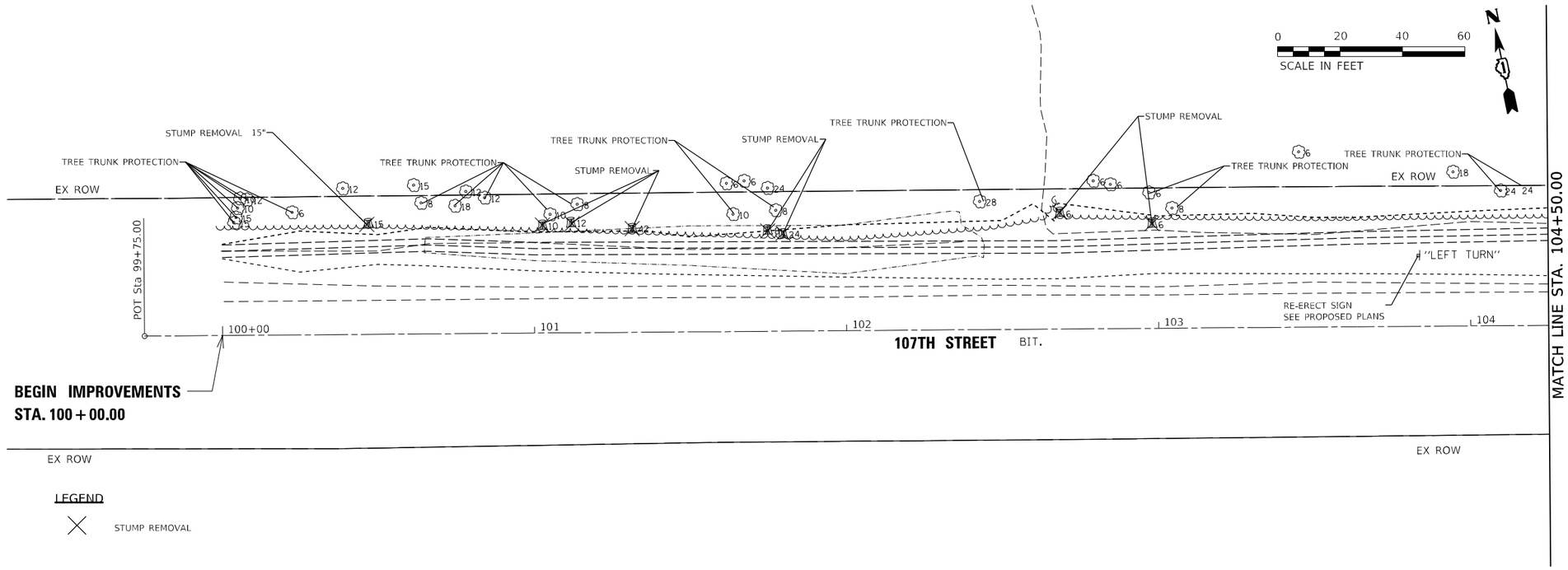
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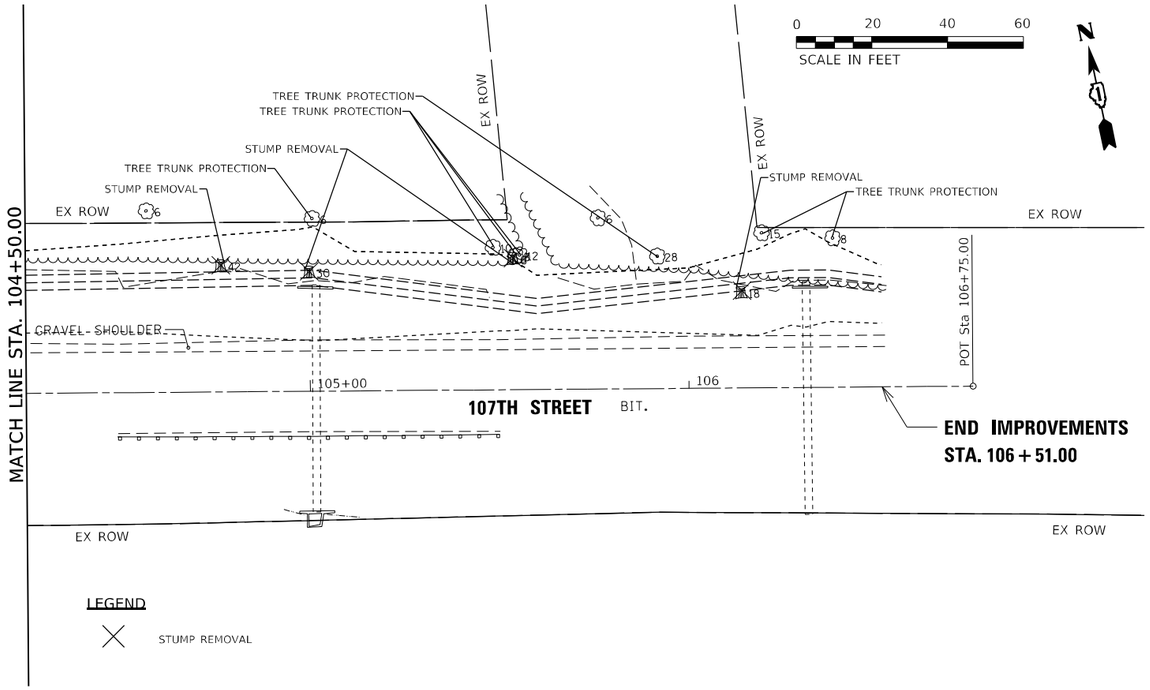
| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | **STATE OF ILLINOIS** |
| | DRAWN - MM | REVISED - | **DEPARTMENT OF TRANSPORTATION** |
| PLOT SCALE = 5.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/27/2026 | DATE - 01/28/2026 | REVISED - | |

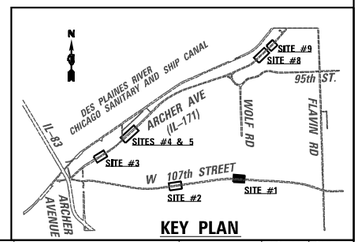
**EXISTING AND PROPOSED TYPICAL SECTIONS**
**IL ROUTE 171 AND 107TH STREET**

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

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 41 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

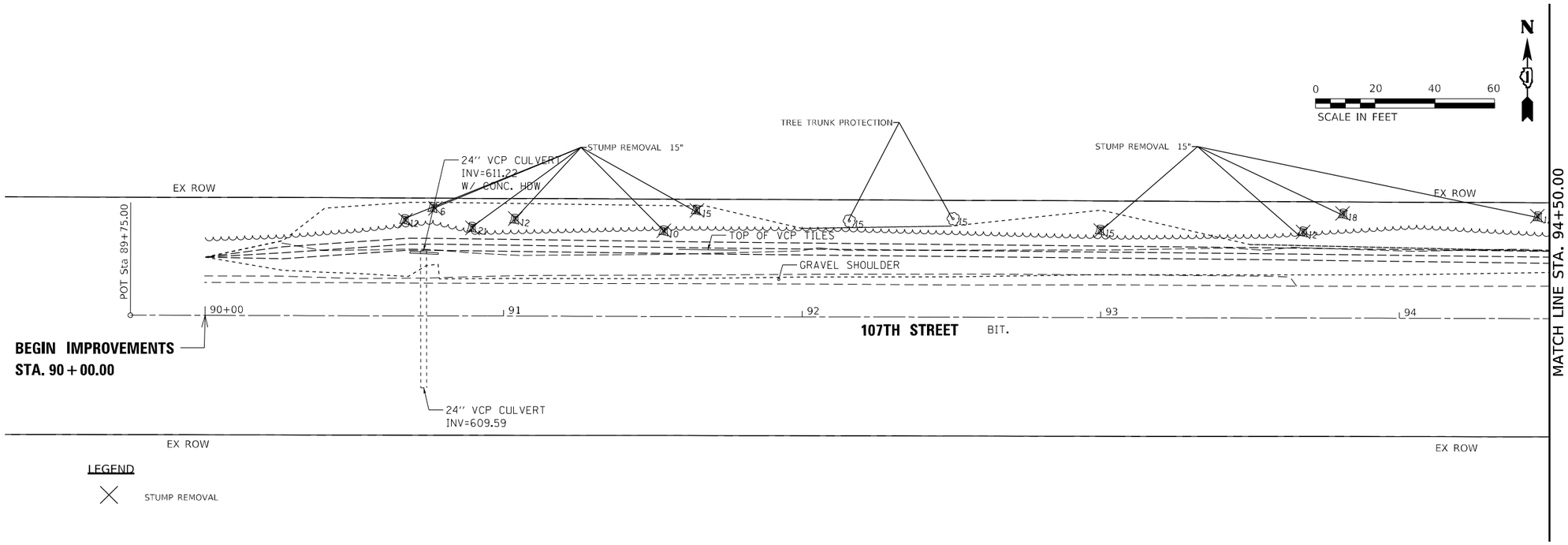
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

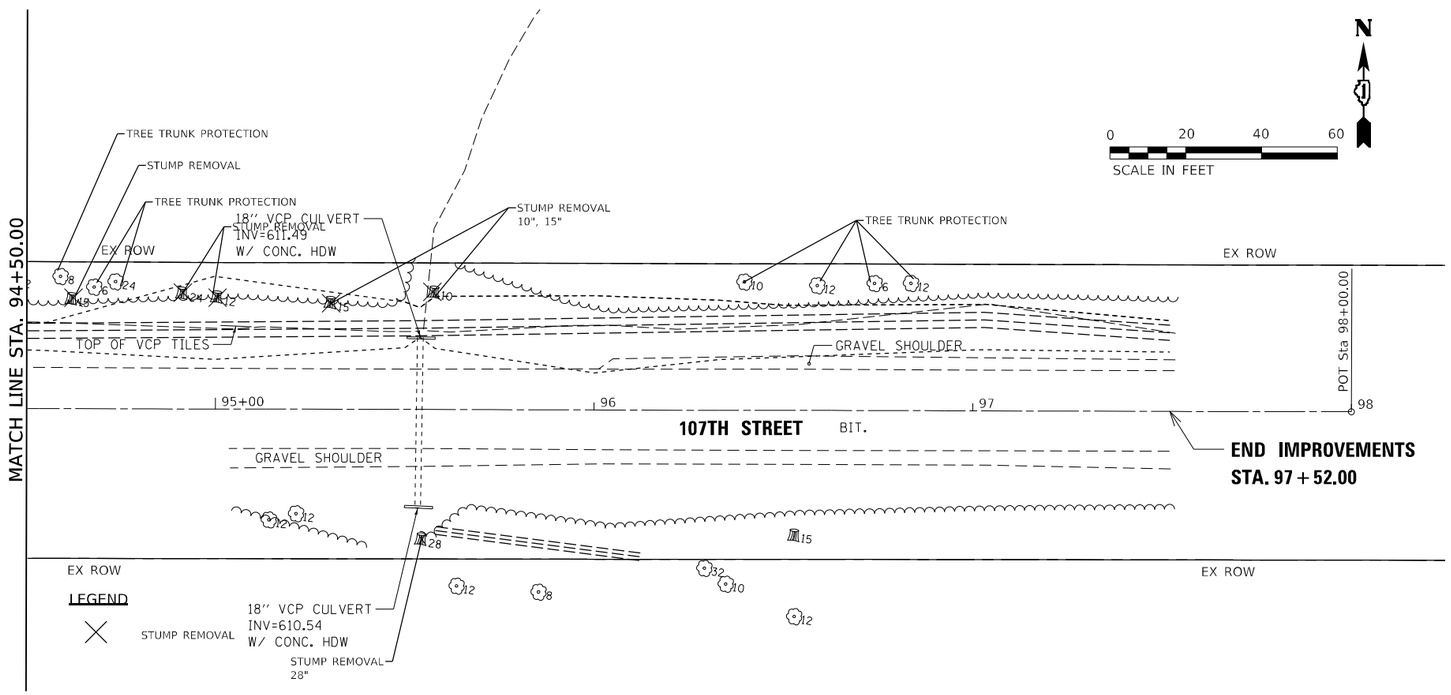
**SITE #1 107TH STREET**
**REMOVAL PLAN**

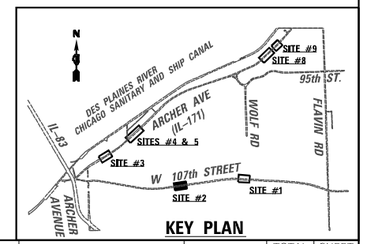
SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 99+75.00 | TO STA. 106+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 42 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
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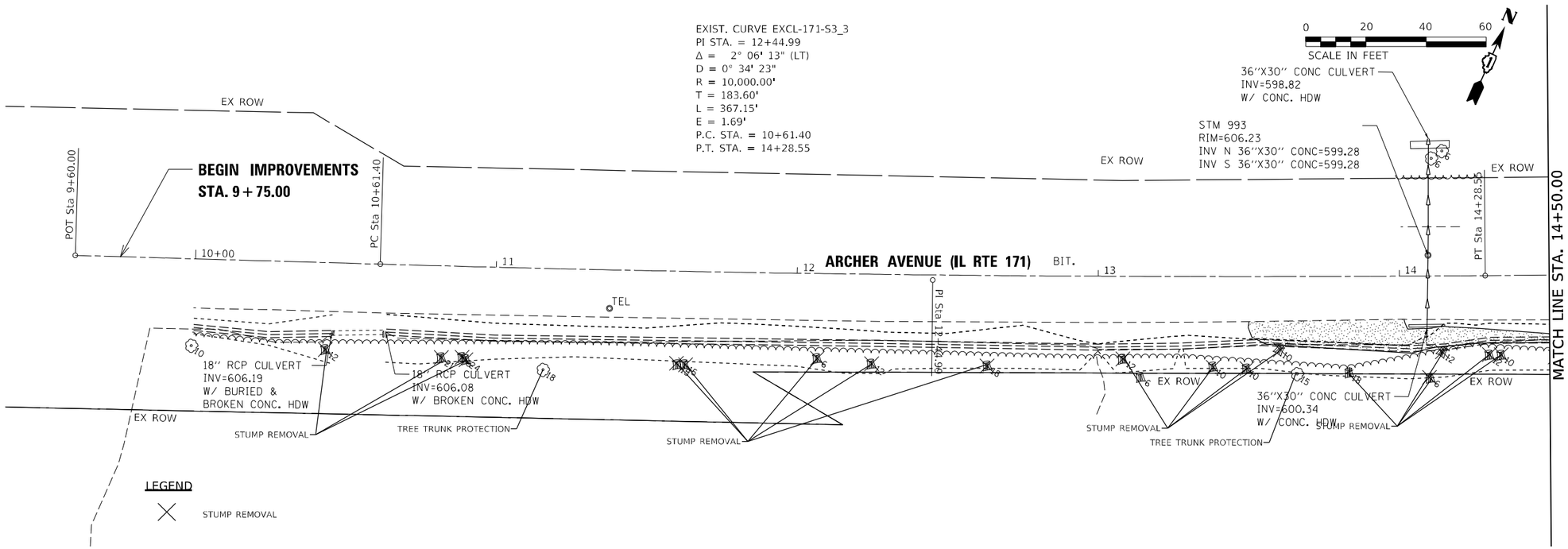



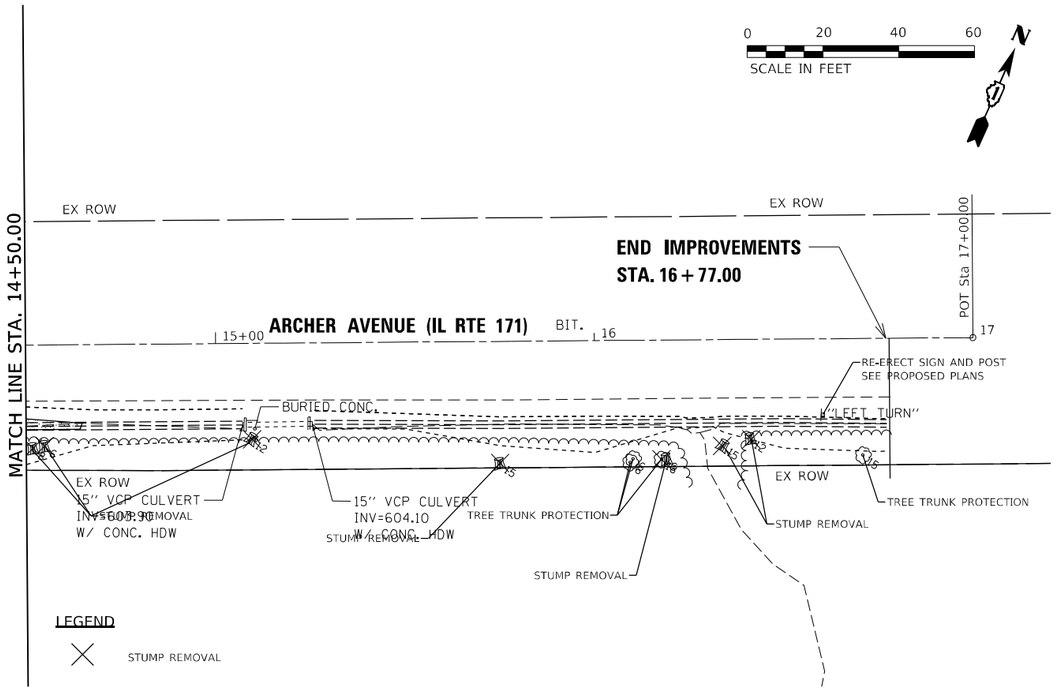



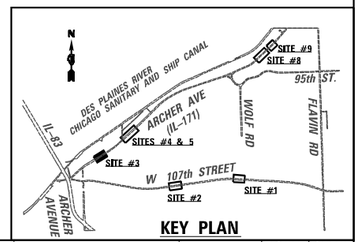

KEY PLAN

| | | | | | |
|---|---|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | **STATE OF ILLINOIS** | **SITE #2 107TH STREET** | F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO. |
| | DRAWN - MM | REVISED - | **DEPARTMENT OF TRANSPORTATION** | **REMOVAL PLAN** | VAR / 2023 VAR DRAINAGE / VARIOUS / 136 / 43 |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | | SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. 89+75.00 TO STA. 98+00.00 | CONTRACT NO. 62V08 |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | | | ILLINOIS FED. AID PROJECT |

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-usa-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-IL171-drn-102.dgn




| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

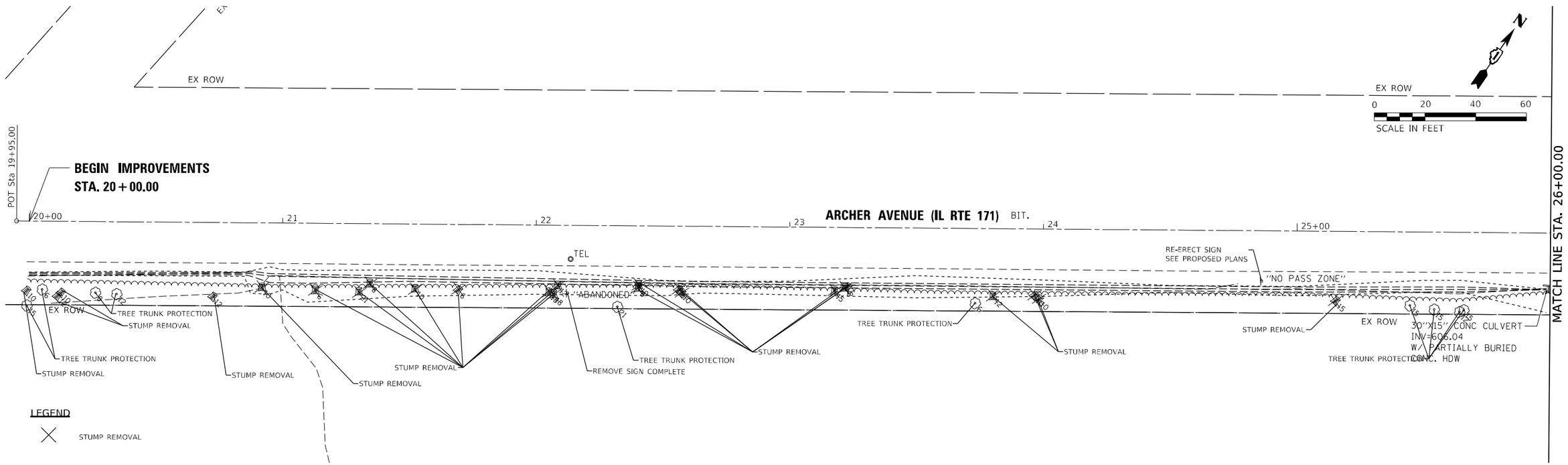
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

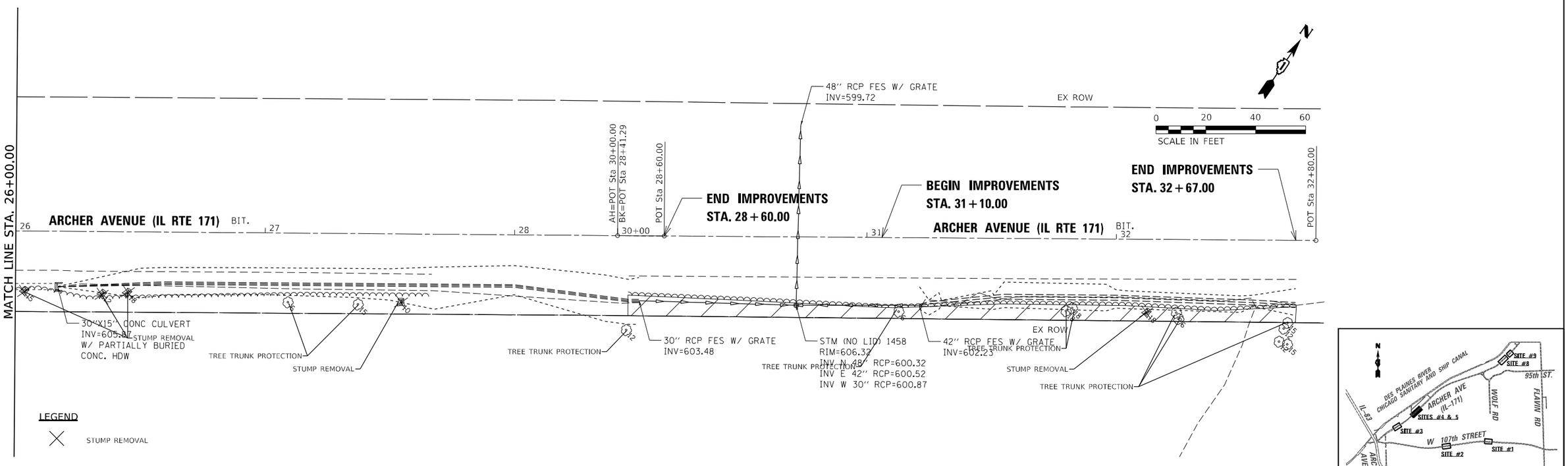
**SITE #3 IL RTE 171**
**REMOVAL PLAN**

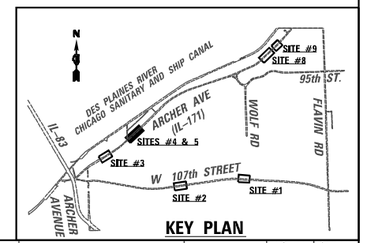
SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 9+85.00 TO STA. 17+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 44 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MODEL: Default
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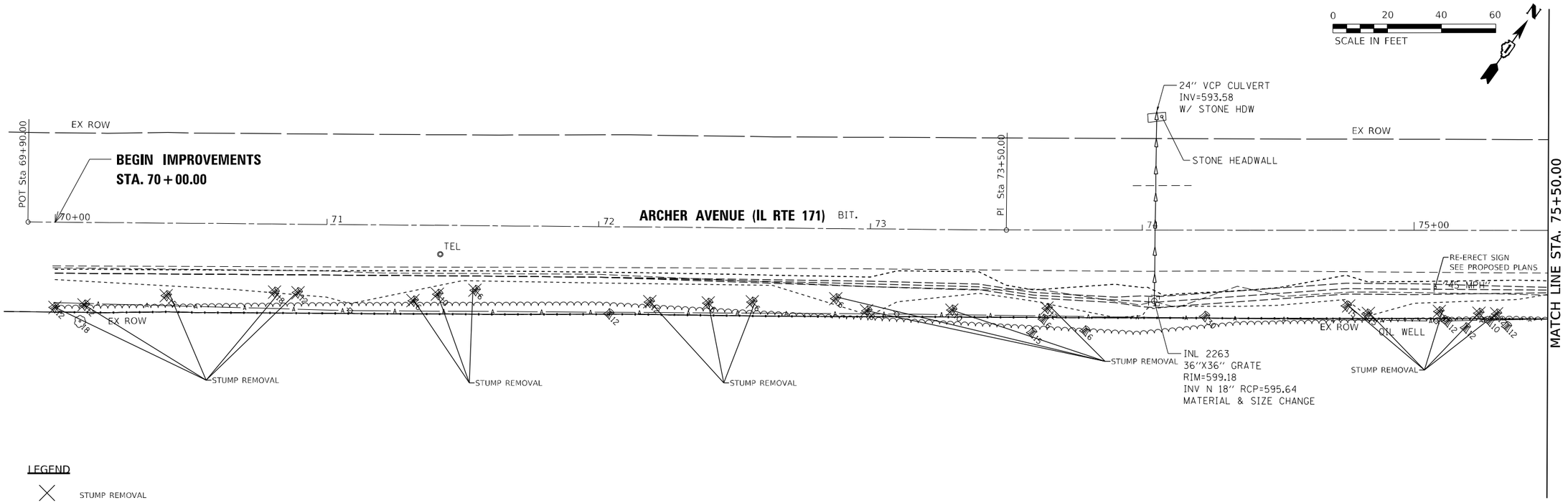
| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

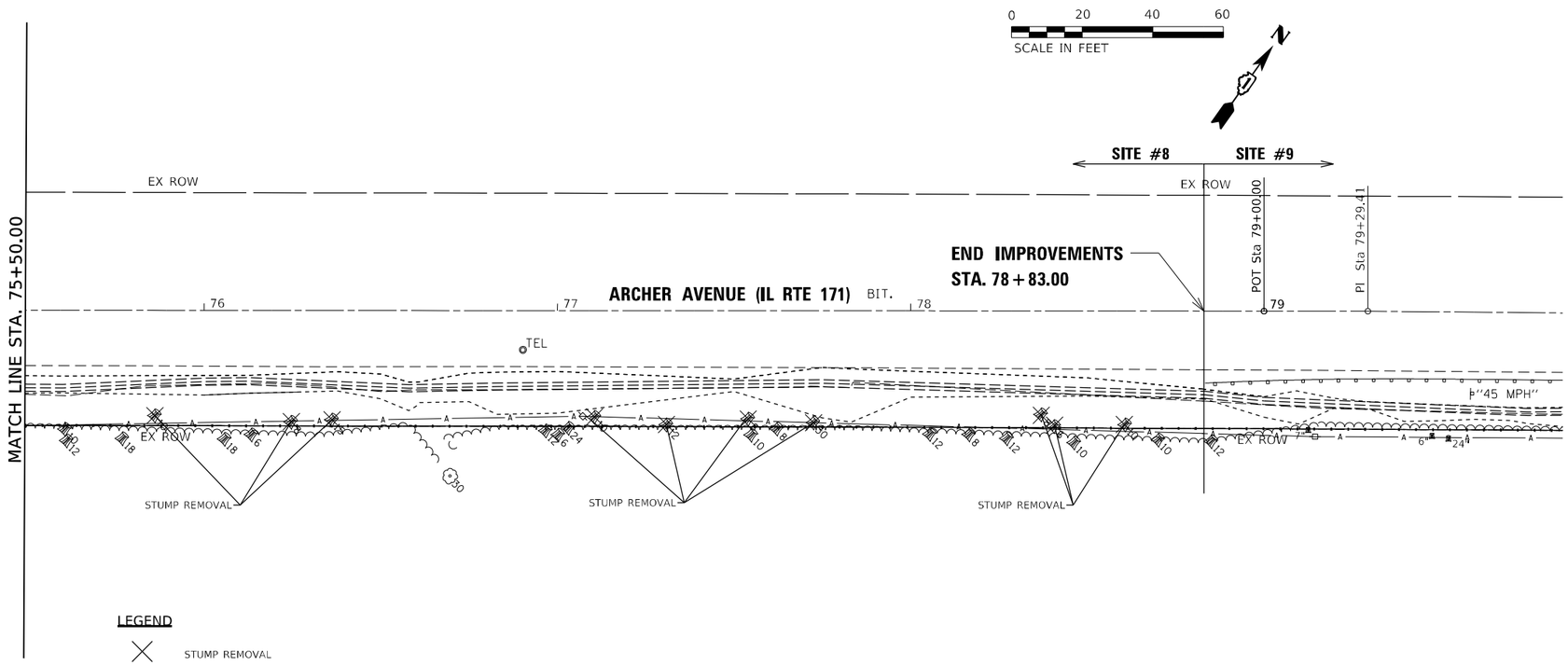
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

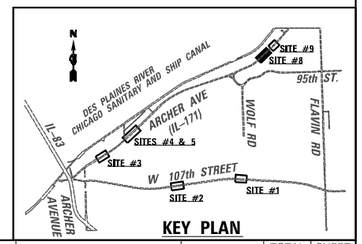
**SITES #4 & 5 IL RTE 171**
**REMOVAL PLAN**

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 19+95.00 TO STA. 32+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 45 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

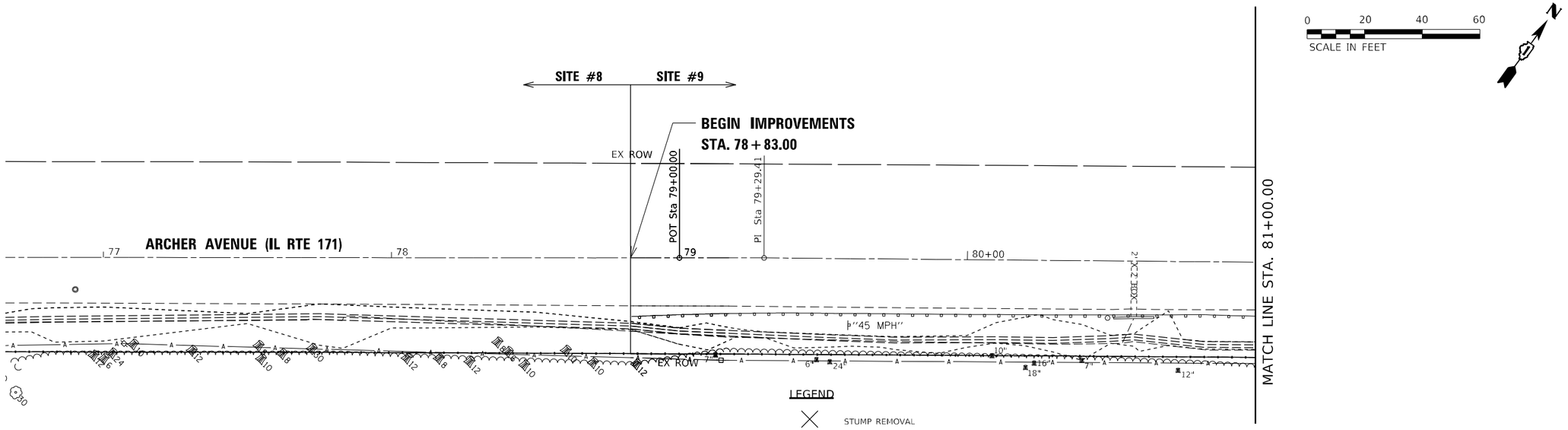
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SITE #8 IL RTE 171**
**REMOVAL PLAN**

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 69+90.00 TO STA. 79+00.00

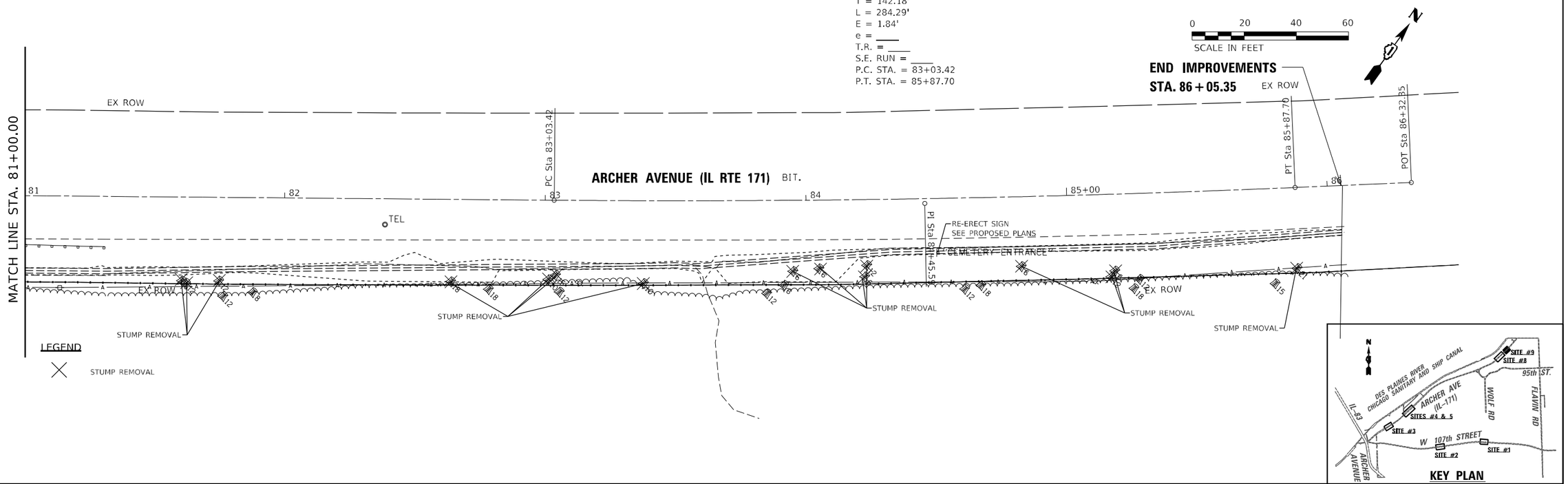
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 46 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-usa-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-IL171-drn-106.dgn




0 20 40 60
SCALE IN FEET

EXIST. CURVE EXCL-171-S9_5
PI STA. = 84+45.59
Δ = 2° 57' 42" (LT)
D = 1° 02' 30"
R = 5,500.00'
T = 142.18'
L = 284.29'
E = 1.84'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 83+03.42
P.T. STA. = 85+87.70







KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

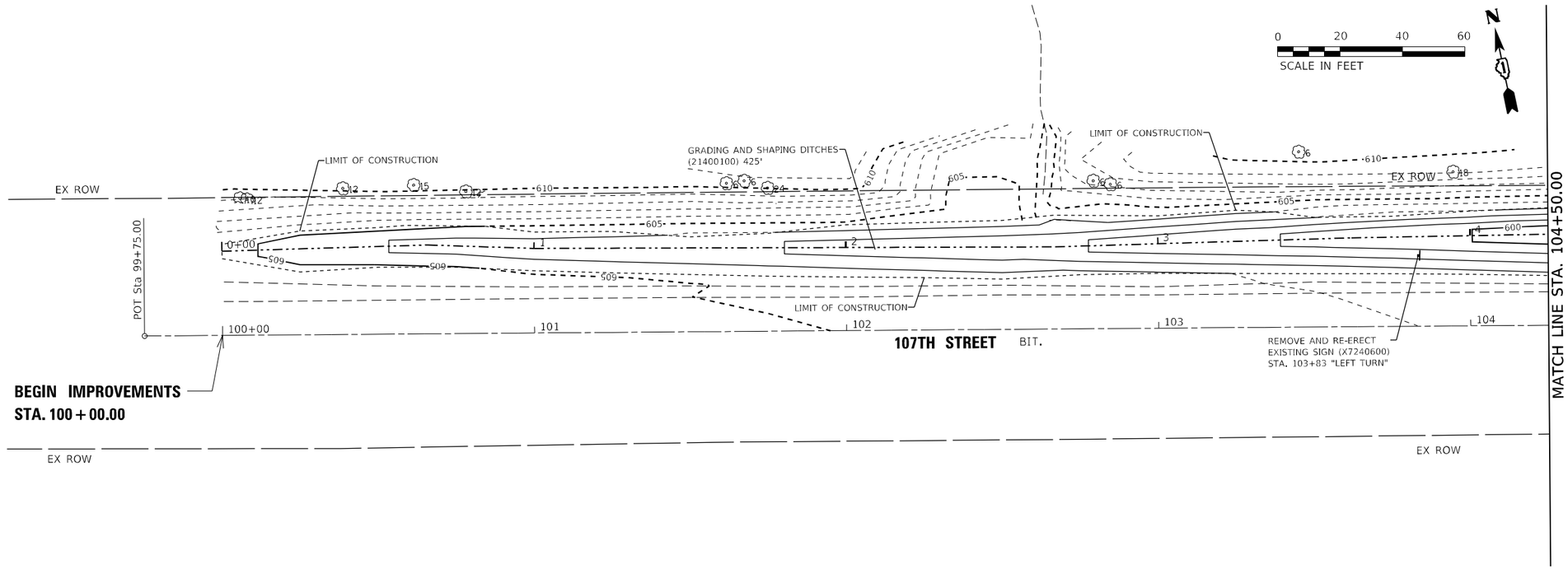
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

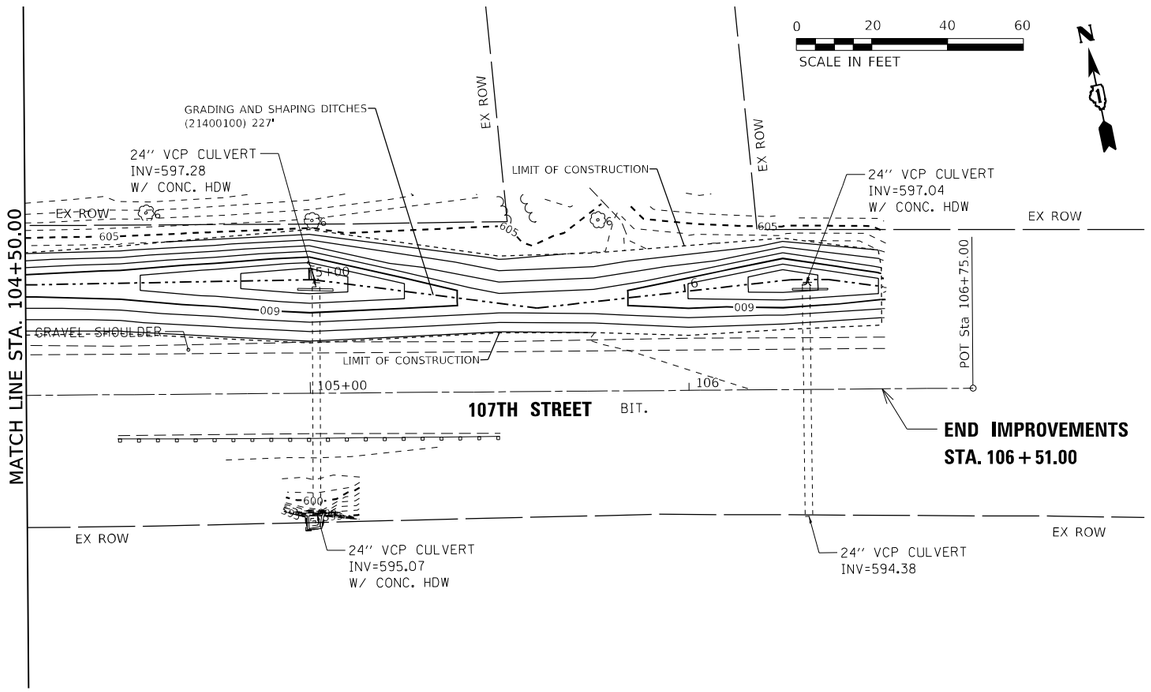
**SITE #9 IL RTE 171**
**REMOVAL PLAN**

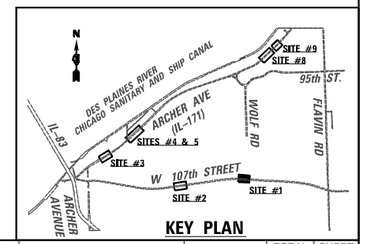
SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 79+90.00 | TO STA. 85+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 47 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-01\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-IL171-ems-107.dgn




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

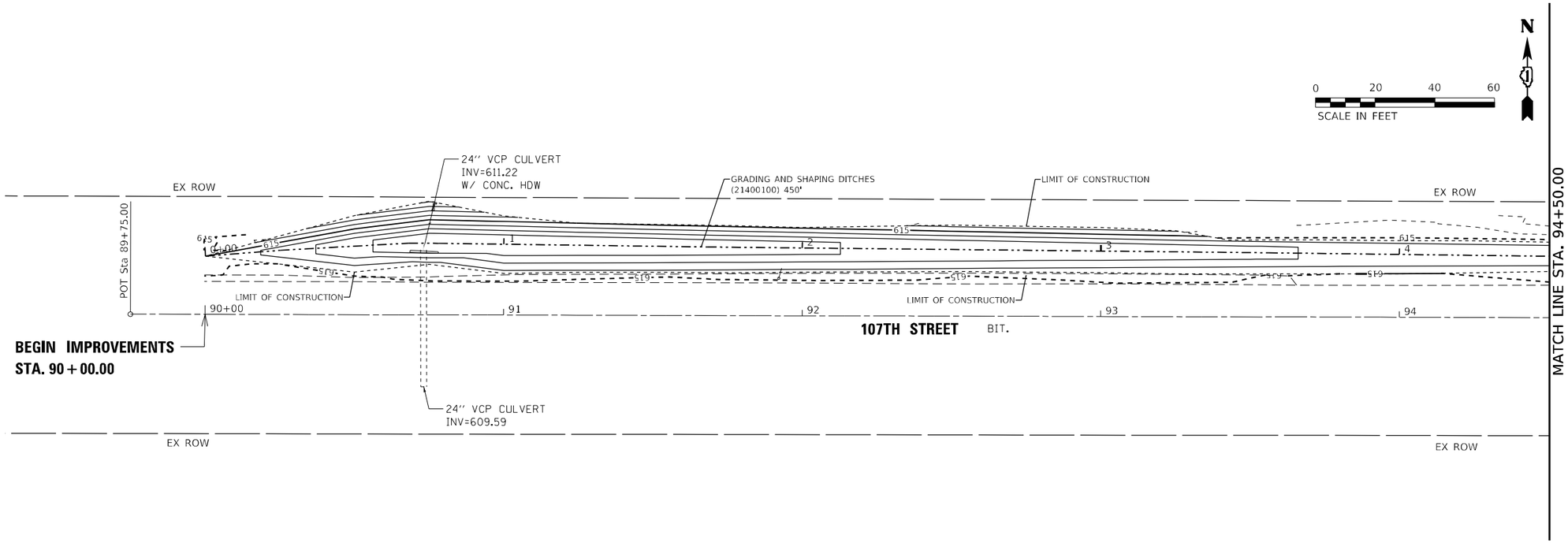
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

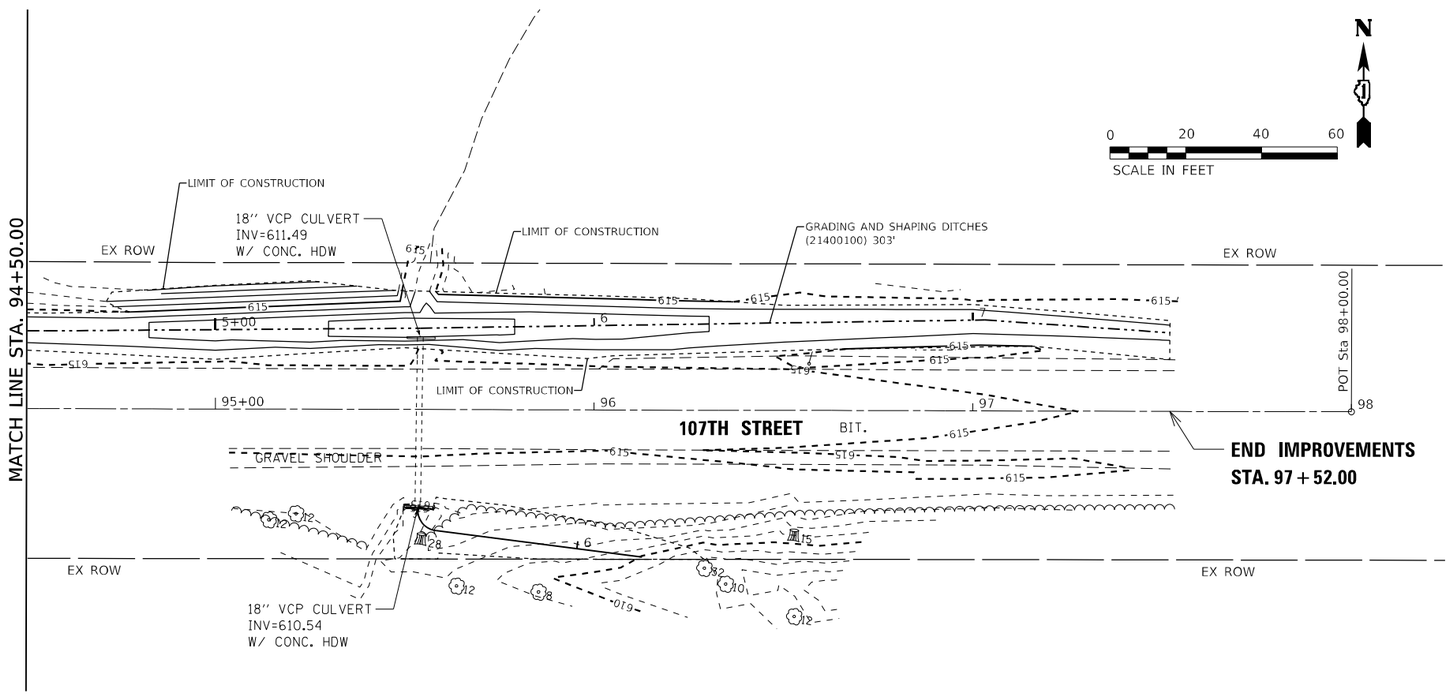
**SITE #1 107TH STREET**
**ROADWAY PLAN**

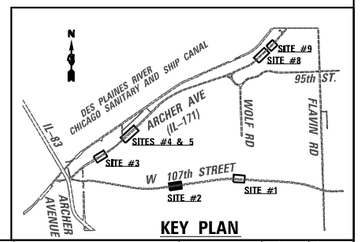
SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 99+75.00 TO STA. 106+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 48 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
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KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

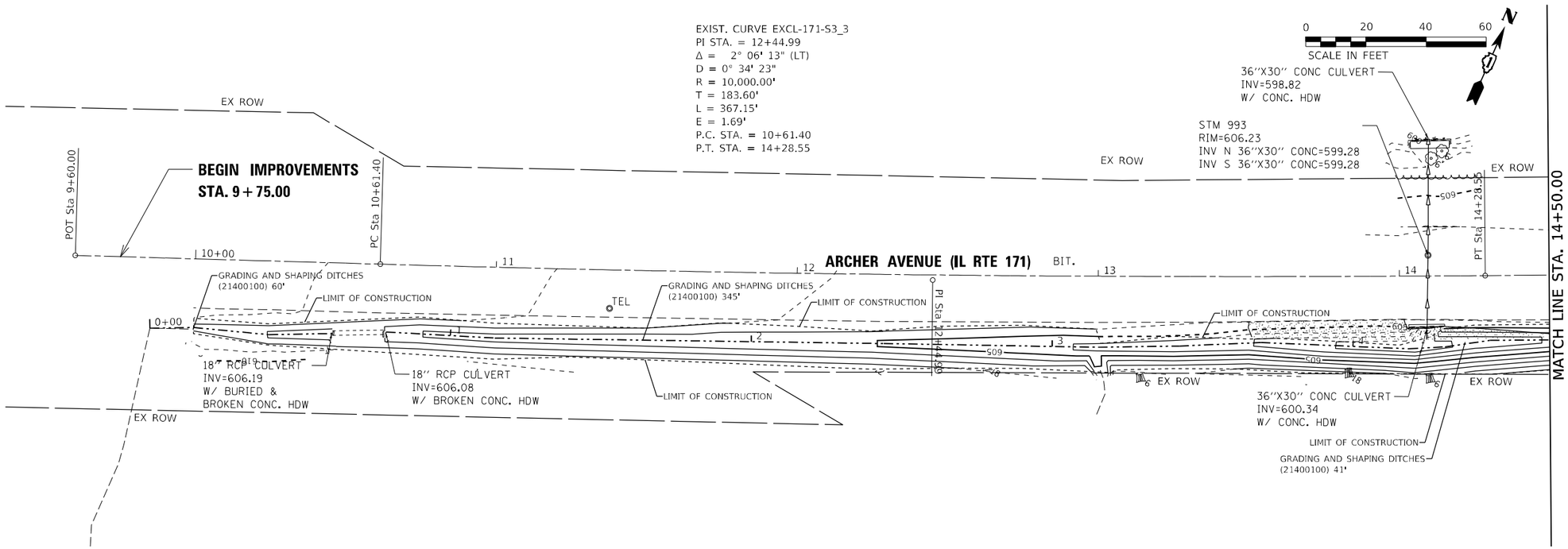
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

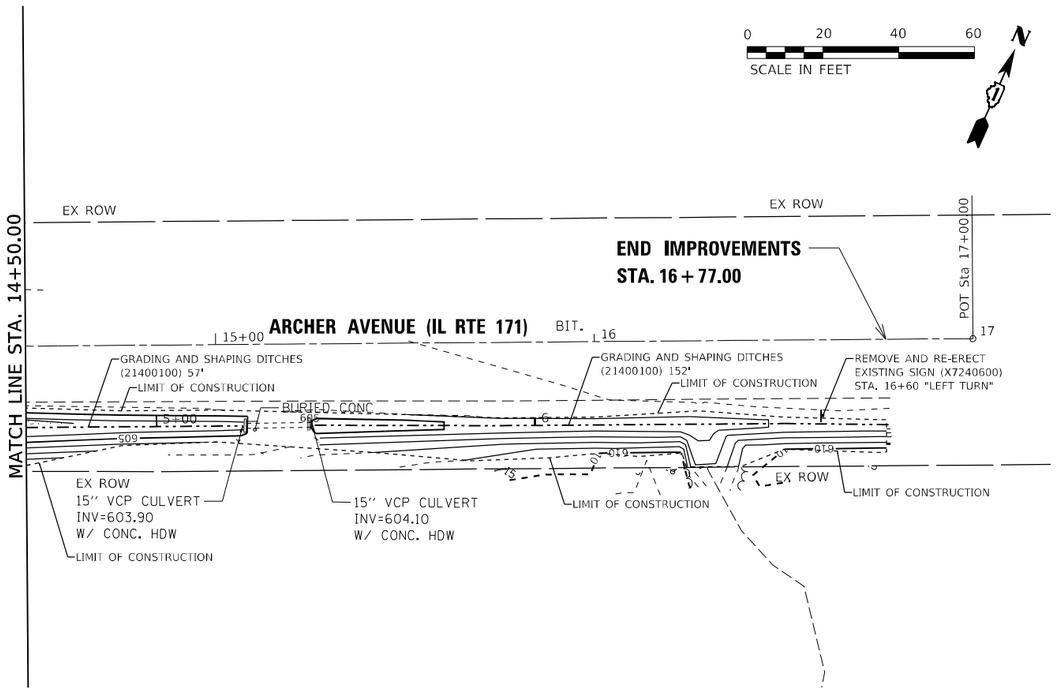
**SITE #2 107TH STREET**
**ROADWAY PLAN**

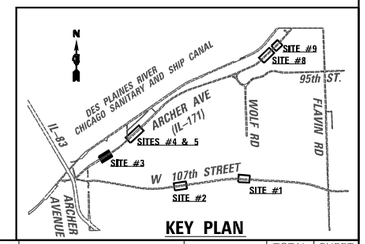
SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 89+75.00 TO STA. 98+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 49 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-us-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-tl 171-cllan-102.dgn




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

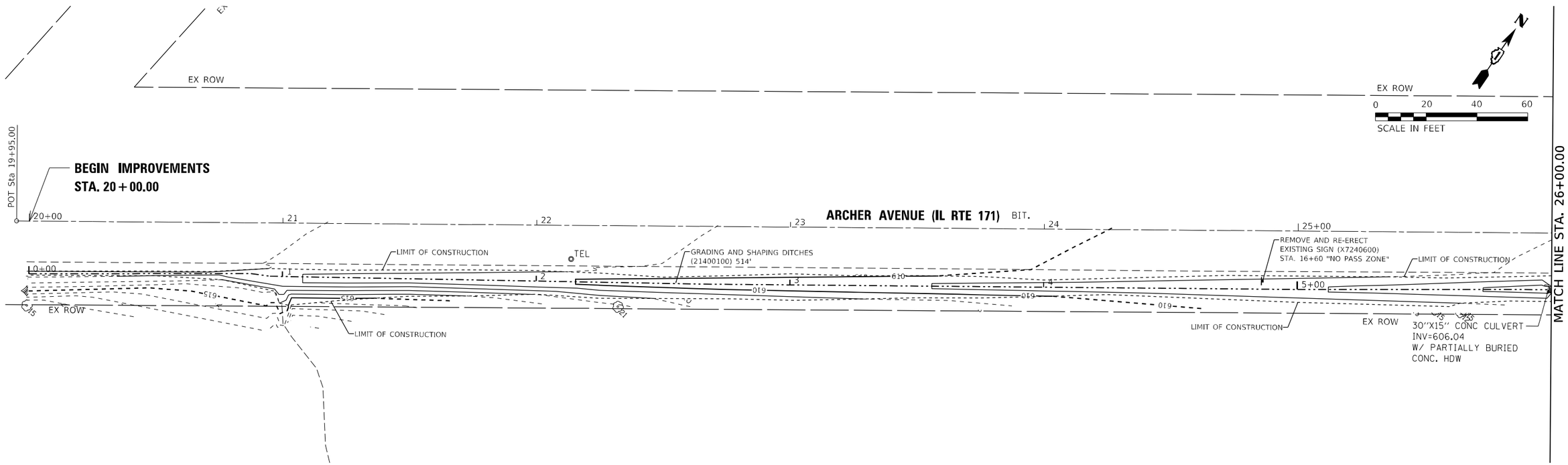
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

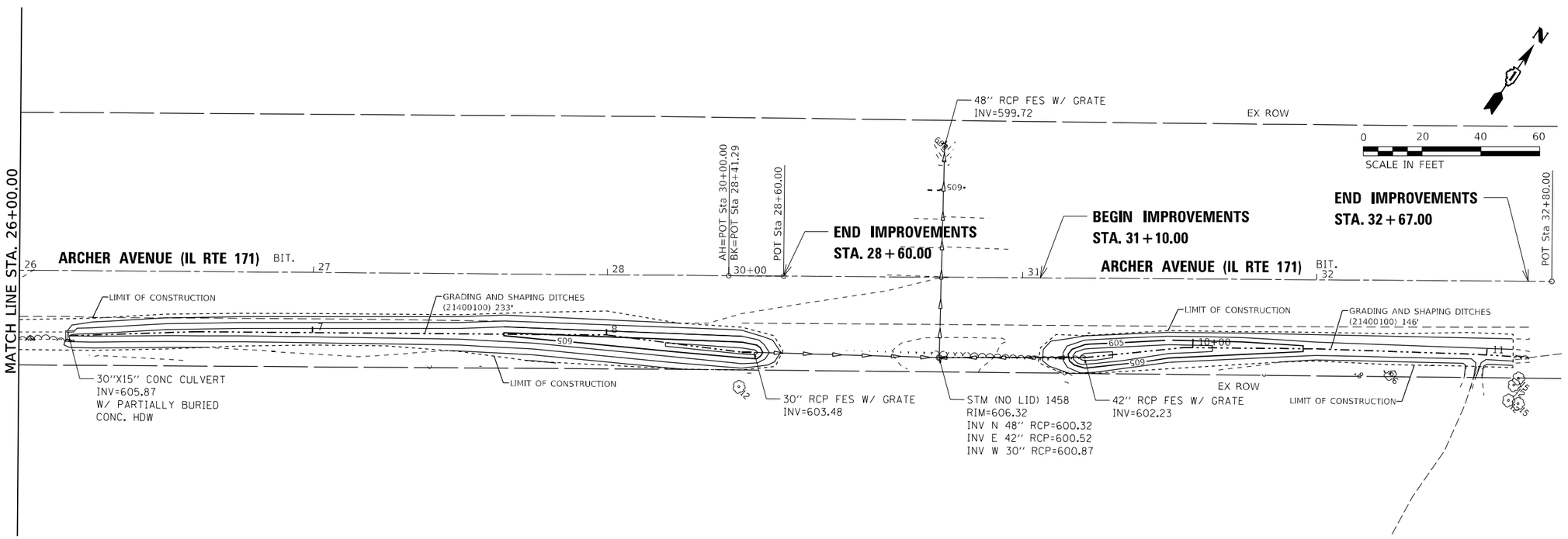
**SITE #3 IL RTE 171**
**ROADWAY PLAN**

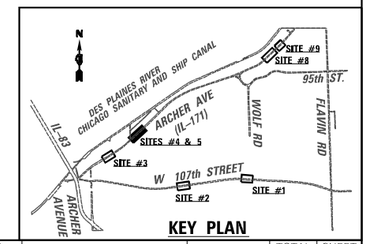
SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 9+85.00 TO STA. 17+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 50 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
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KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

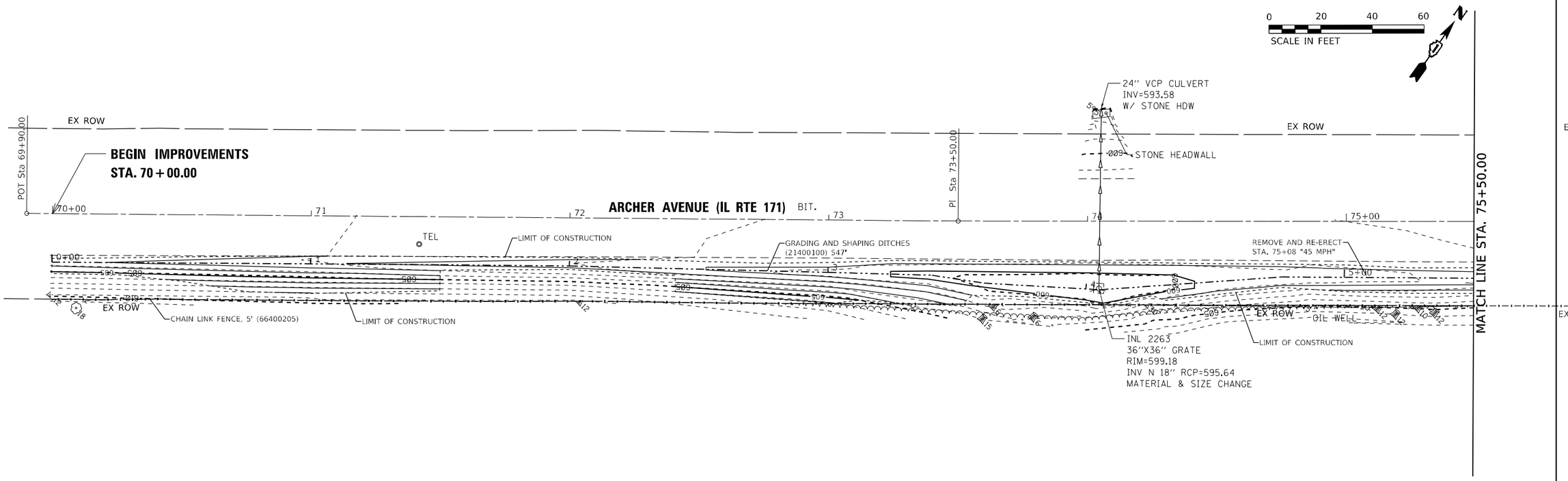
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

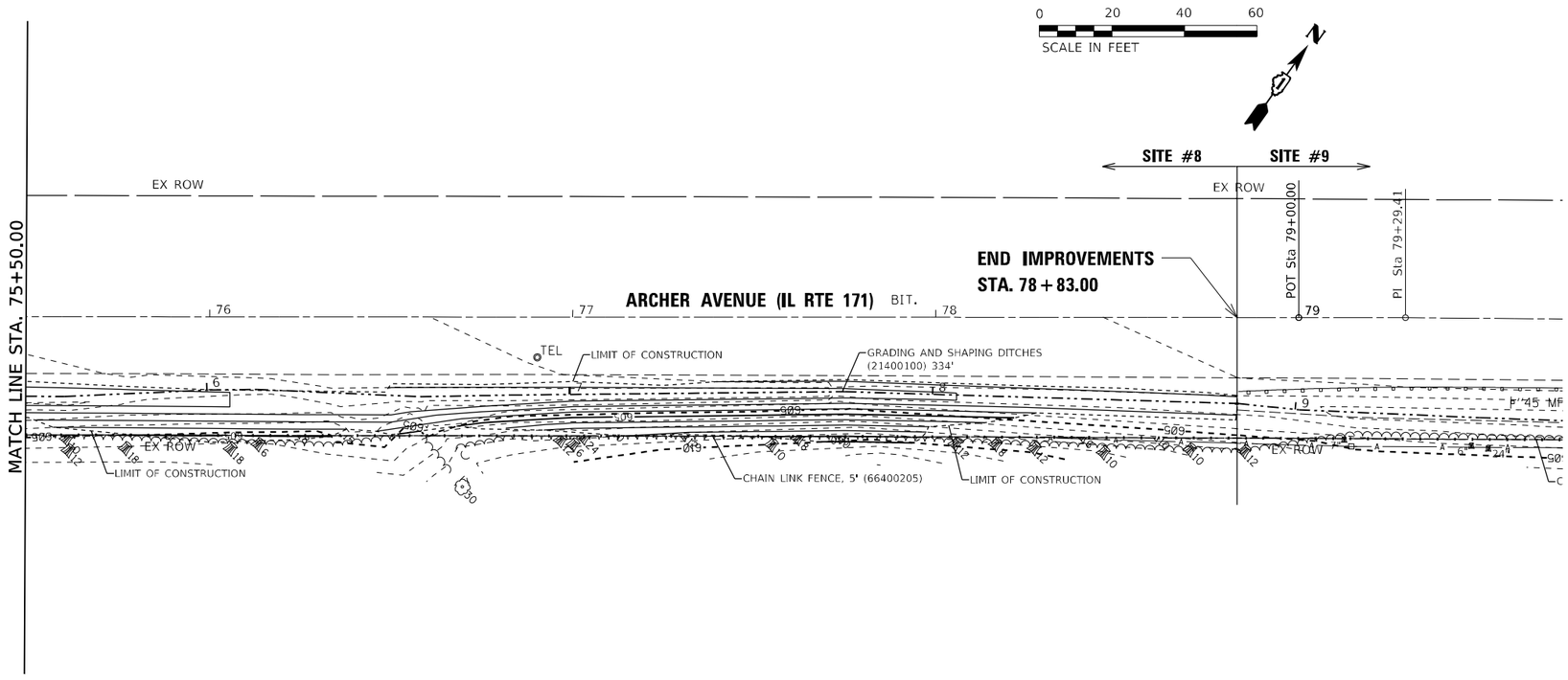
**SITES #4 & 5 IL RTE 171**
**ROADWAY PLAN**

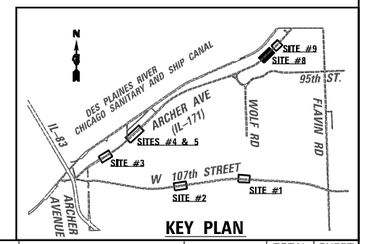
SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 19+95.00 TO STA. 32+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 51 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-us-pw\Documents\Project 205008206 - 15683 Drainage Improvements\CAD Sheets\D134720-IL171-sllan-104.dgn




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

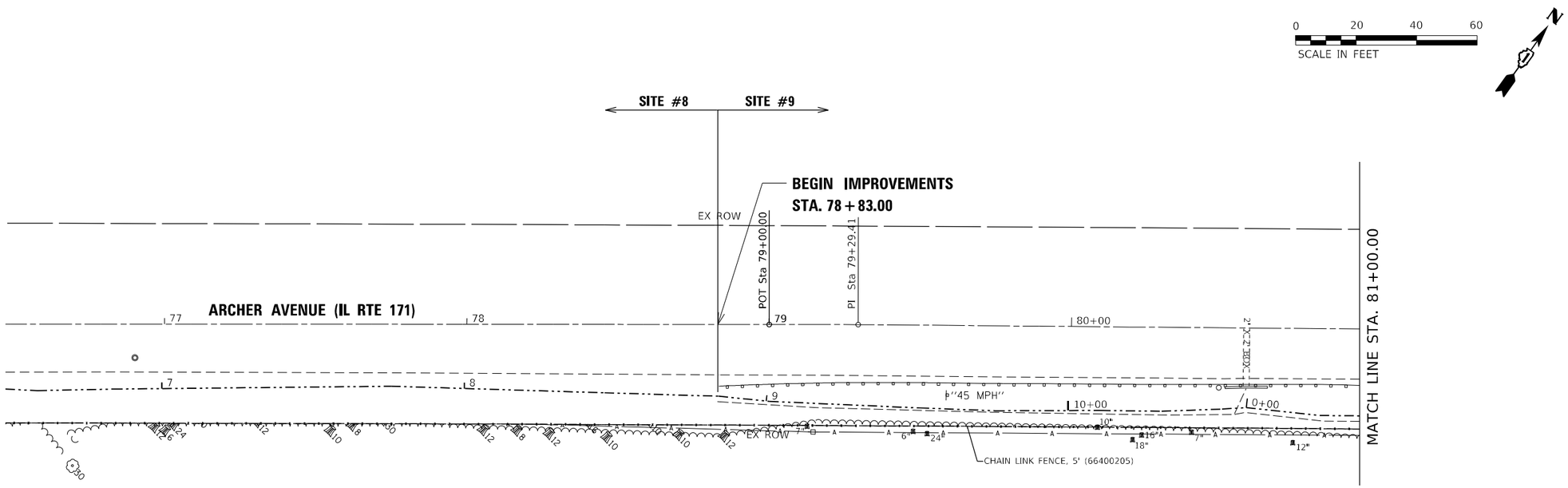
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SITE #8 IL RTE 171**
**ROADWAY PLAN**

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 69+90.00 TO STA. 79+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 52 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

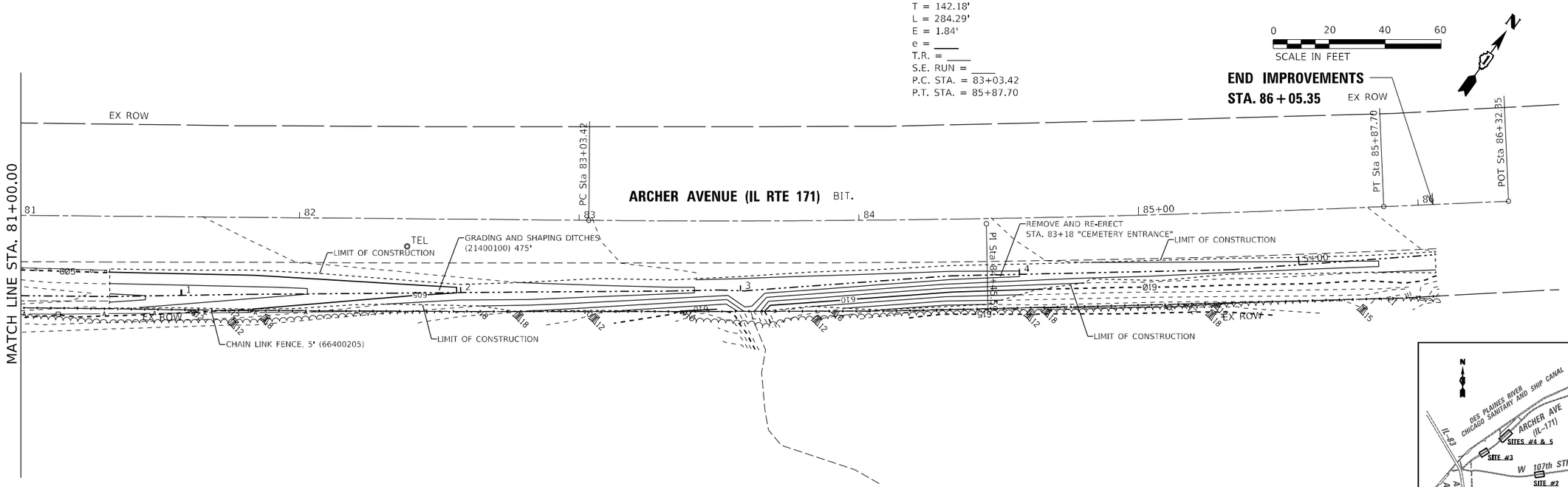
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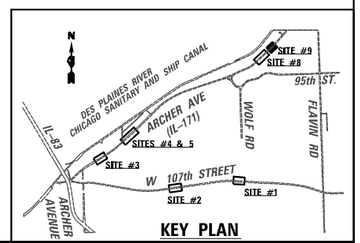






EXIST. CURVE EXCL-171-S9_5
PI STA. = 84+45.59
Δ = 2° 57' 42" (LT)
D = 1° 02' 30"
R = 5,500.00'
T = 142.18'
L = 284.29'
E = 1.84'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 83+03.42
P.T. STA. = 85+87.70




KEY PLAN

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-11\Documents\Project 2050083306 - 15683 Drainage Improvements\CAD Sheets\0134720-ent-IL171-clar-107.dgn

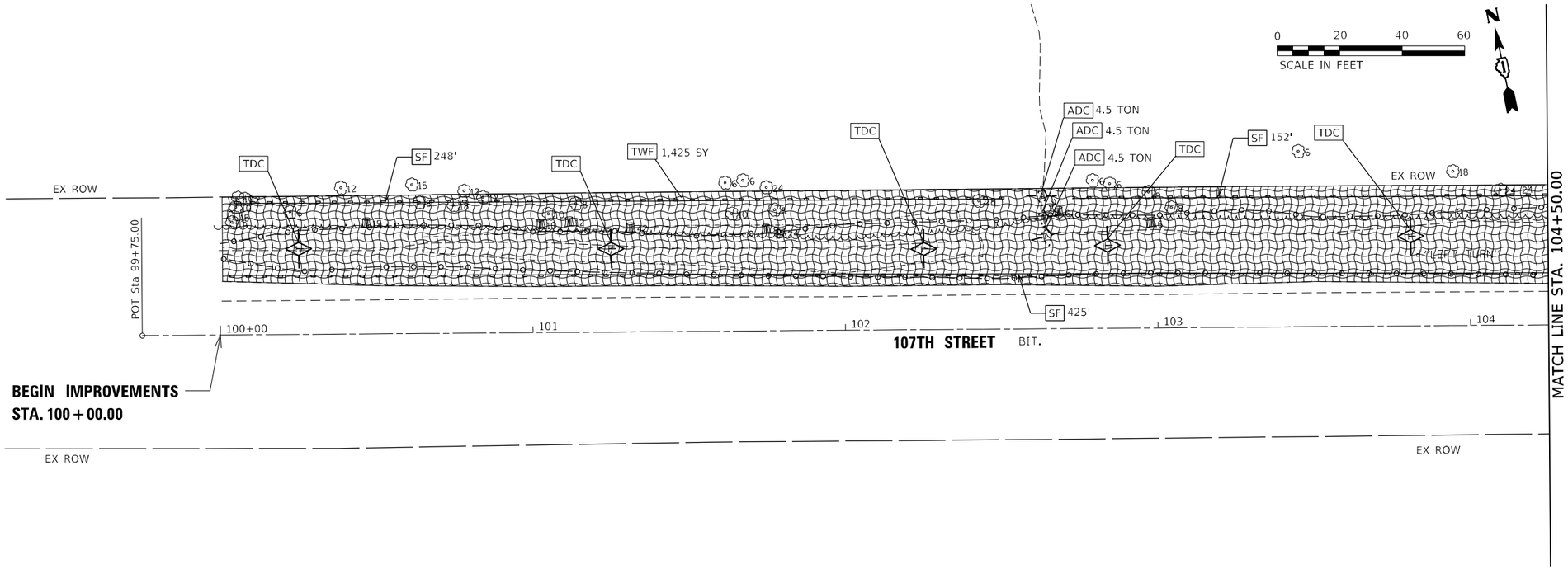
| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

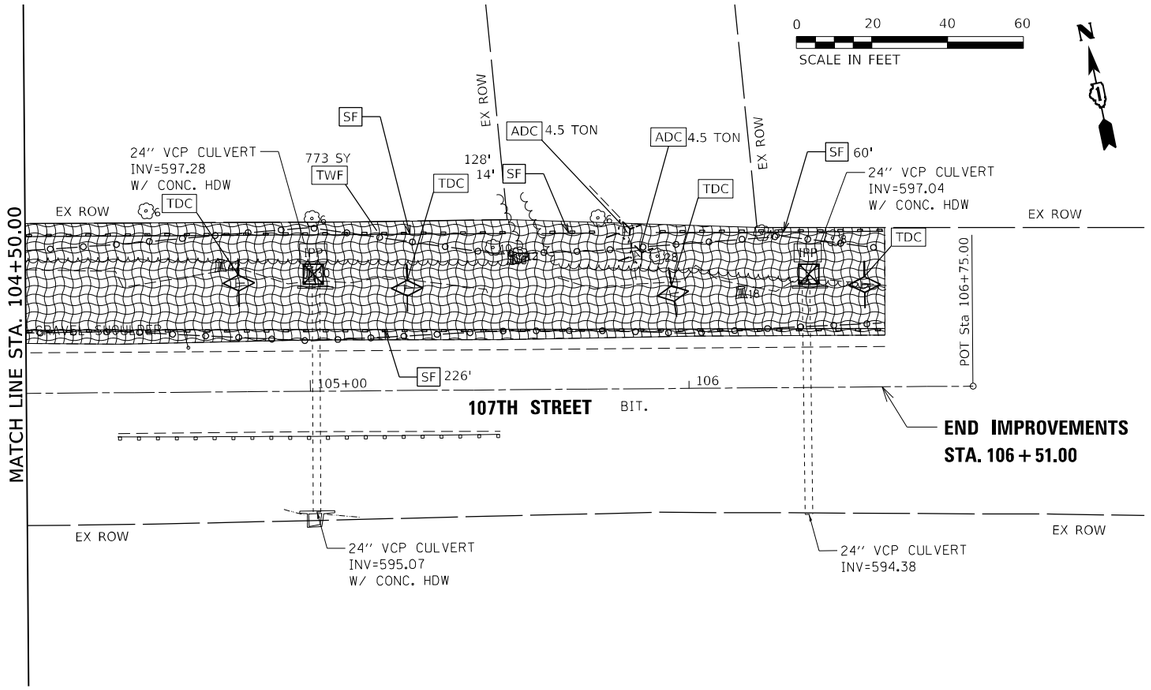
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SITE #9 IL RTE 171**
**ROADWAY PLAN**

SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 78+83.00 | TO STA. 86+05.35

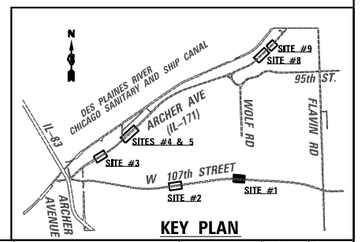
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 53 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- TWF - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)
- PROPOSED GRADING LIMITS




KEY PLAN

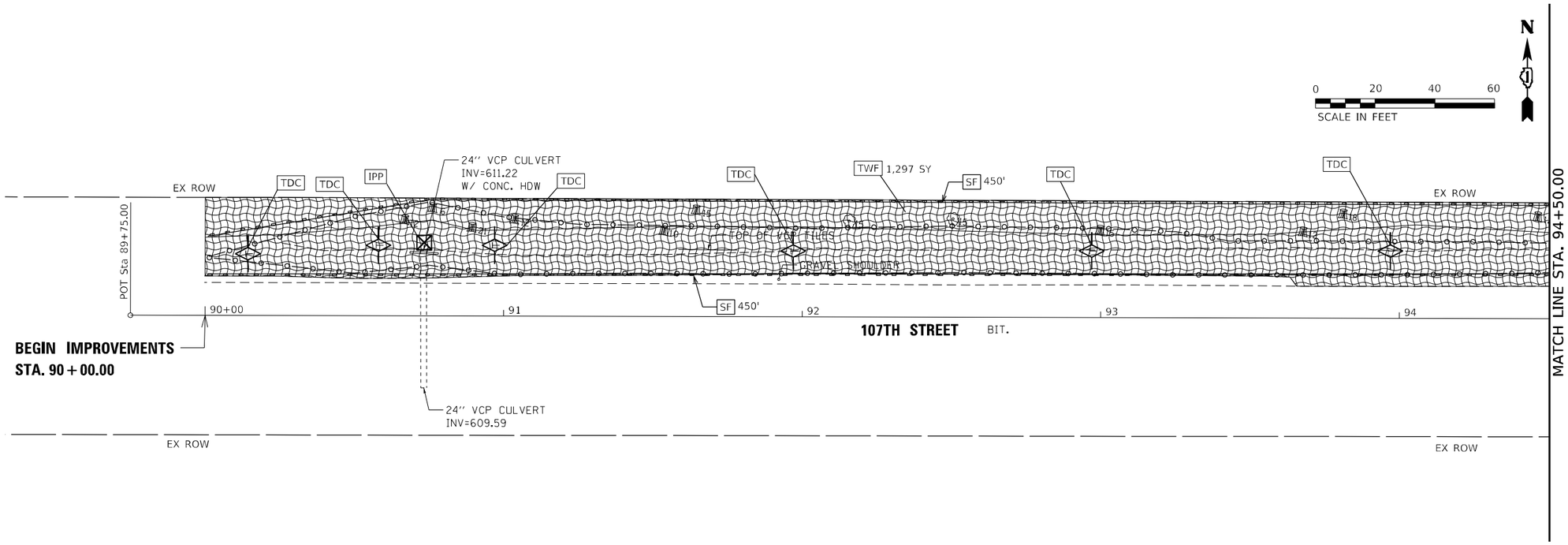
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|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

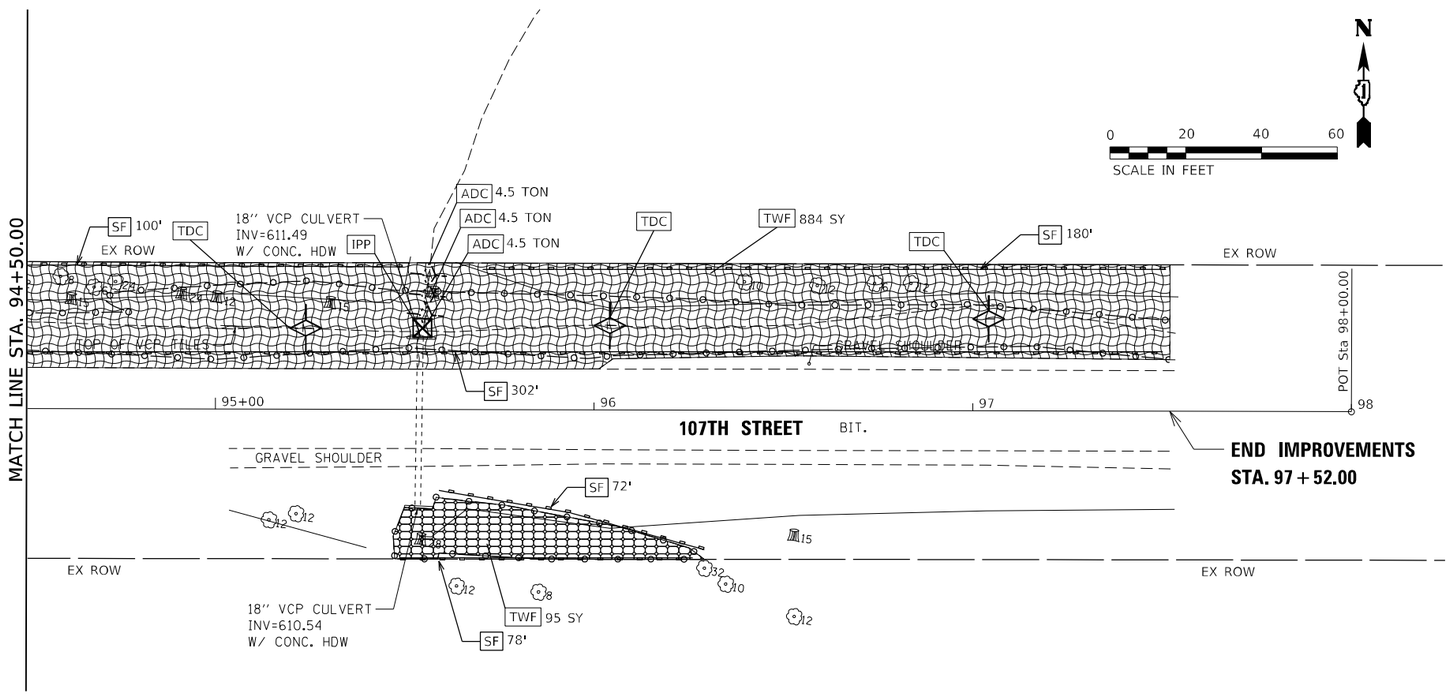
**SITE #1 107TH STREET**
**EROSION CONTROL PLAN**

SCALE: 1"=20' | SHEET 1 OF 7 SHEETS | STA. 99+75.00 | TO STA. 106+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 54 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-us-pw1\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-171-eros-101.dgn

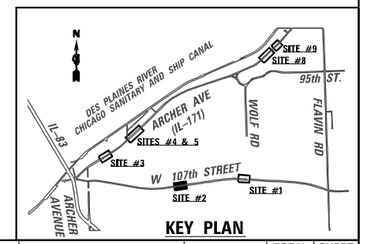



## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- TWF - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)

—o—o— PROPOSED GRADING LIMITS




KEY PLAN

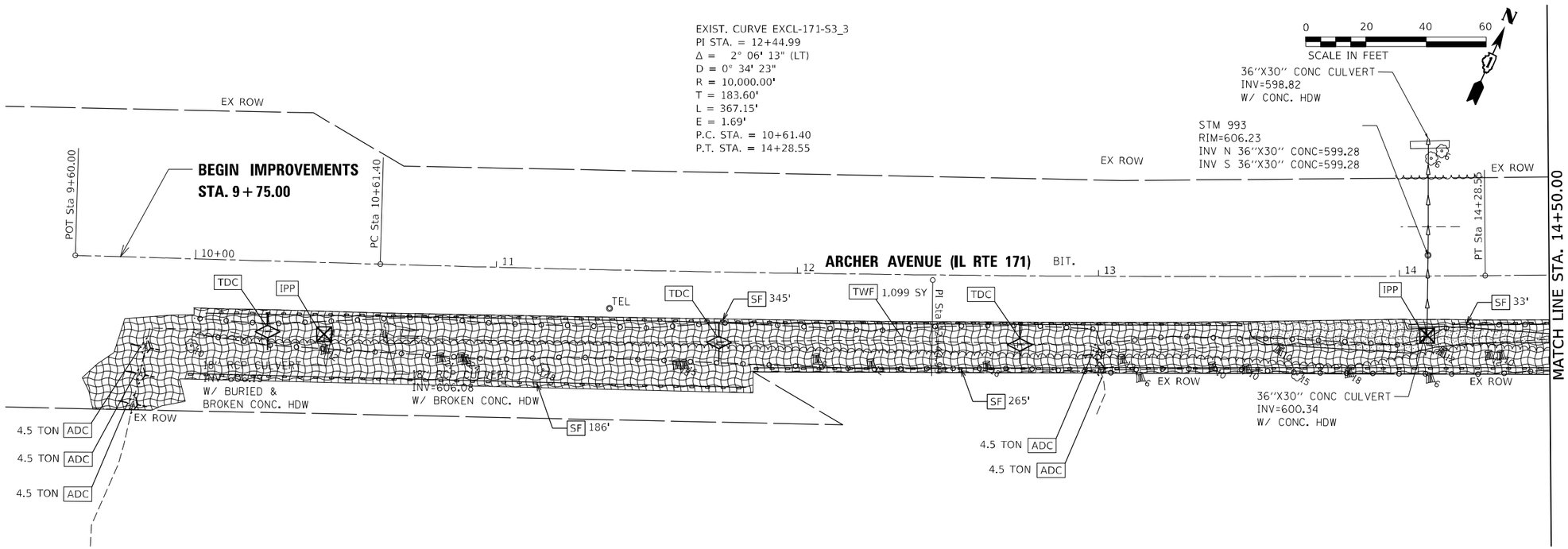
| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

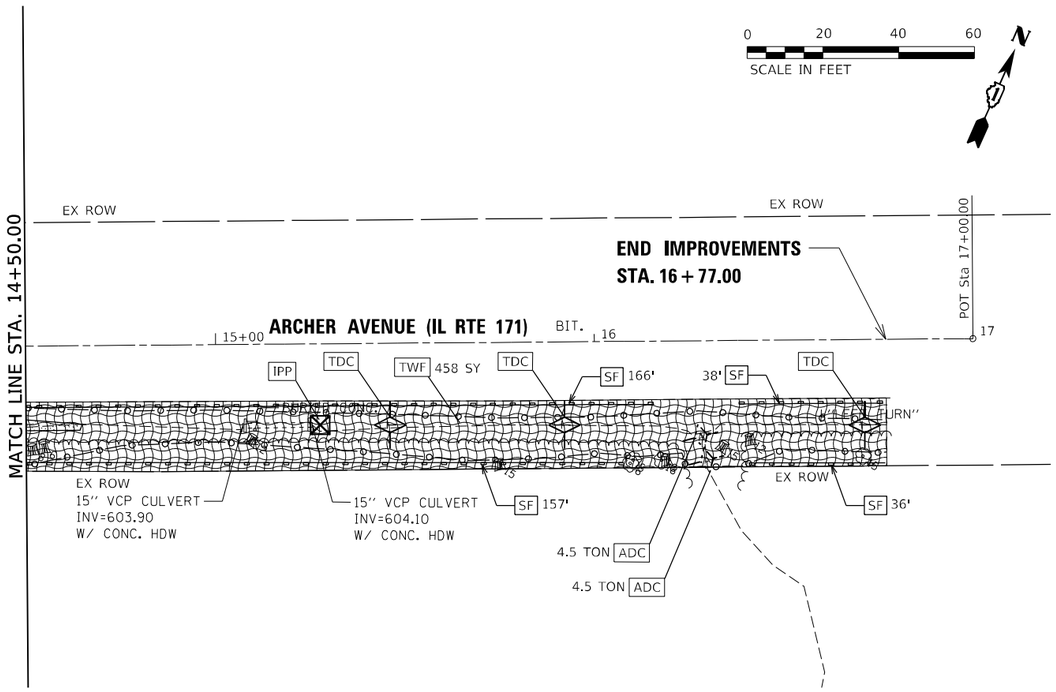
**SITE #2 107TH STREET**
**EROSION CONTROL PLAN**

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 89+75.00 TO STA. 98+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 55 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

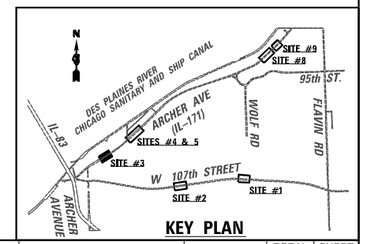
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## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- TWF - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)
- PROPOSED GRADING LIMITS




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

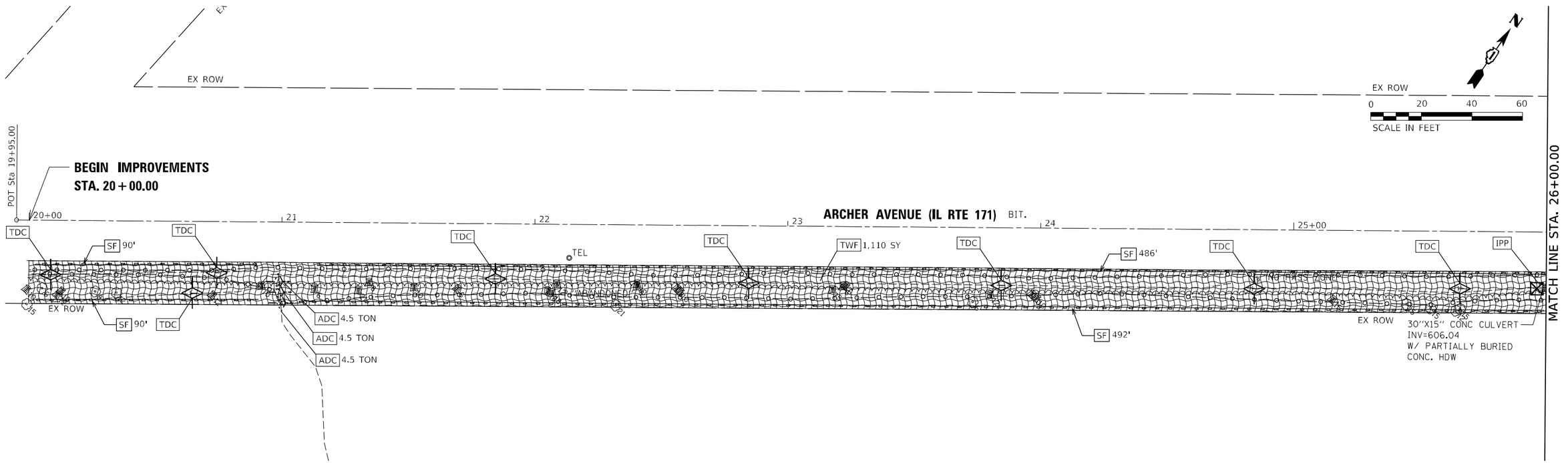
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

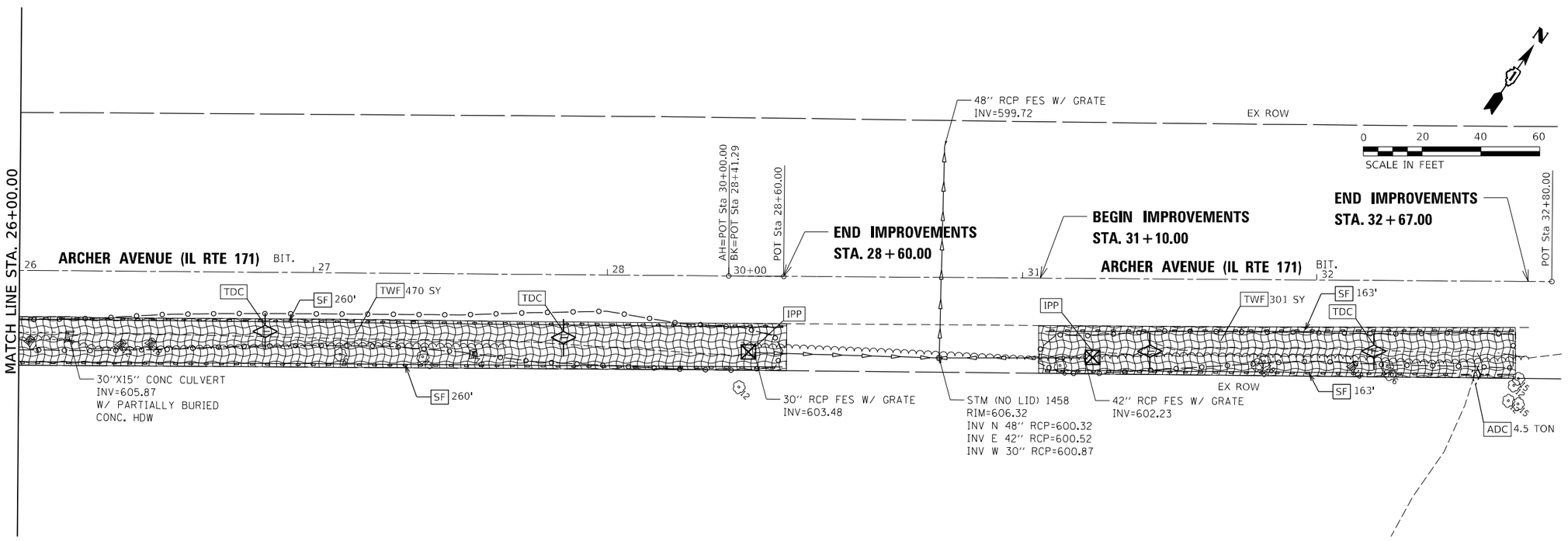
**SITE #3 IL RTE 171**
**EROSION CONTROL PLAN**

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 9+85.00 TO STA. 17+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 56 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

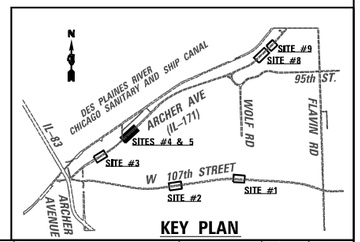
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## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- TWF - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)
- PROPOSED GRADING LIMITS




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

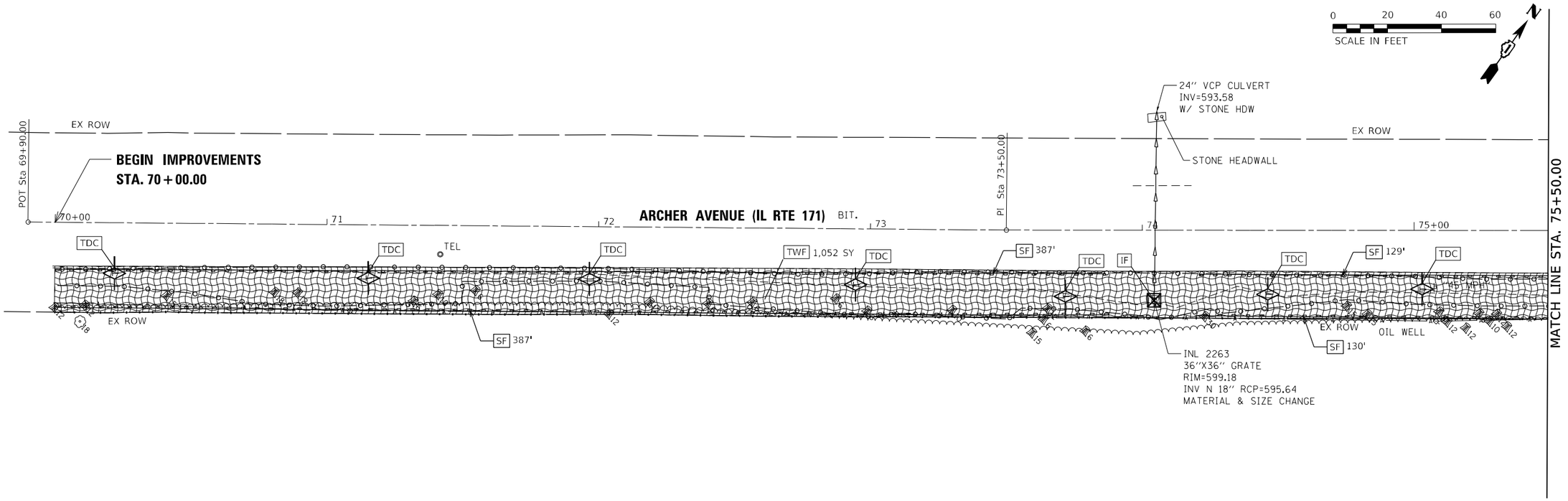
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

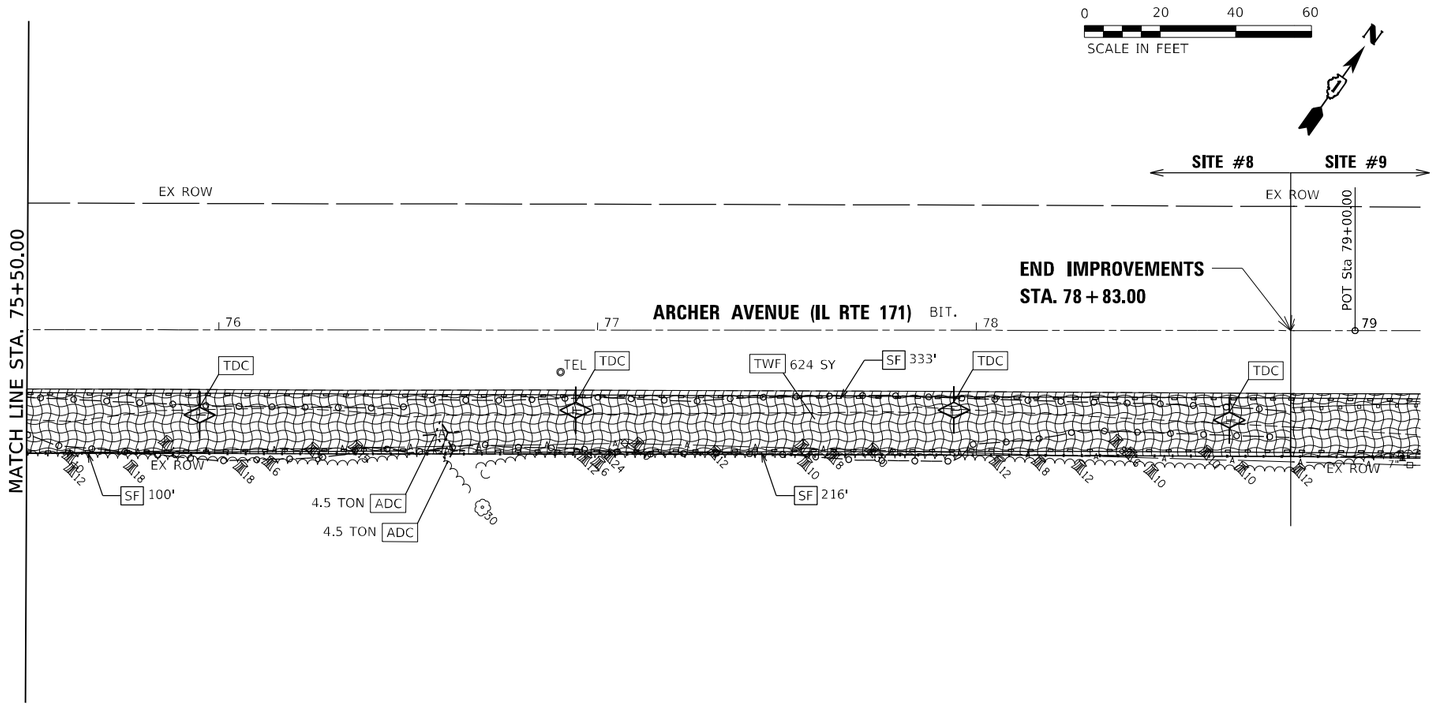
**SITES #4 & 5 IL RTE 171**
**EROSION CONTROL PLAN**

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 19+95.00 TO STA. 32+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 57 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

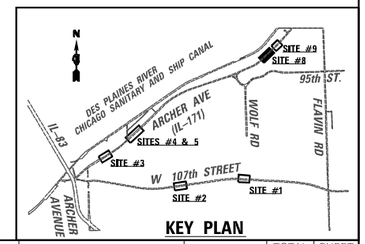
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## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- TWF - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)
- PROPOSED GRADING LIMITS




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

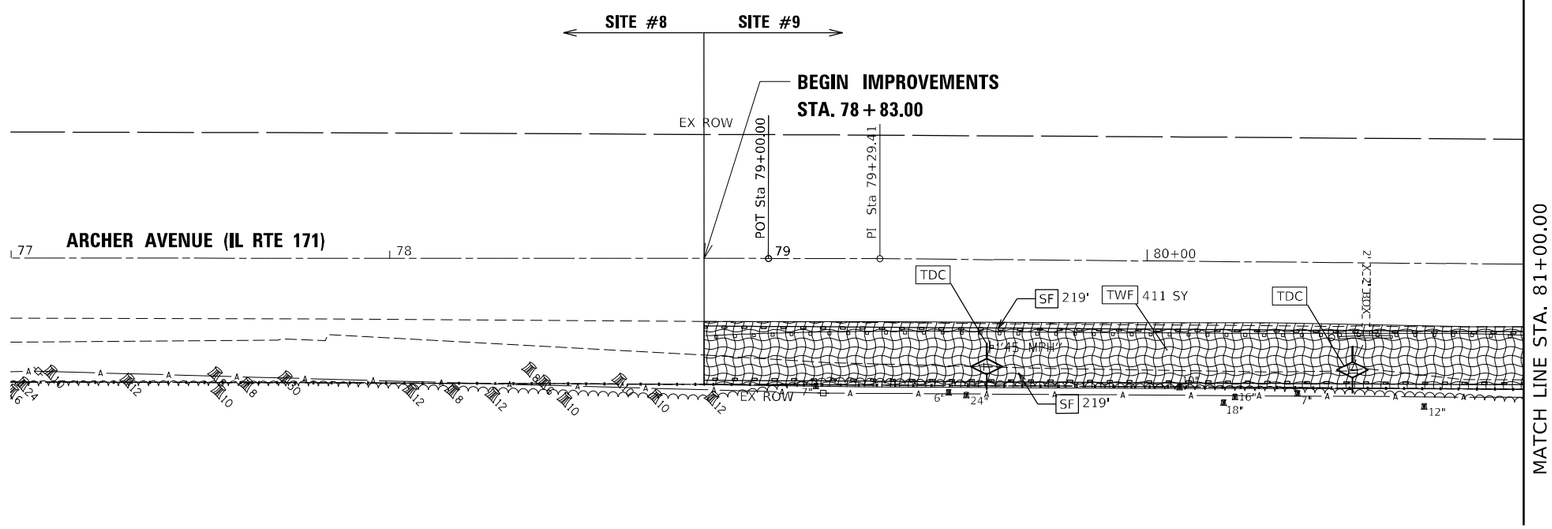
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SITE #8 IL RTE 171**
**EROSION CONTROL PLAN**

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 69+90.00 | TO STA. 79+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 58 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
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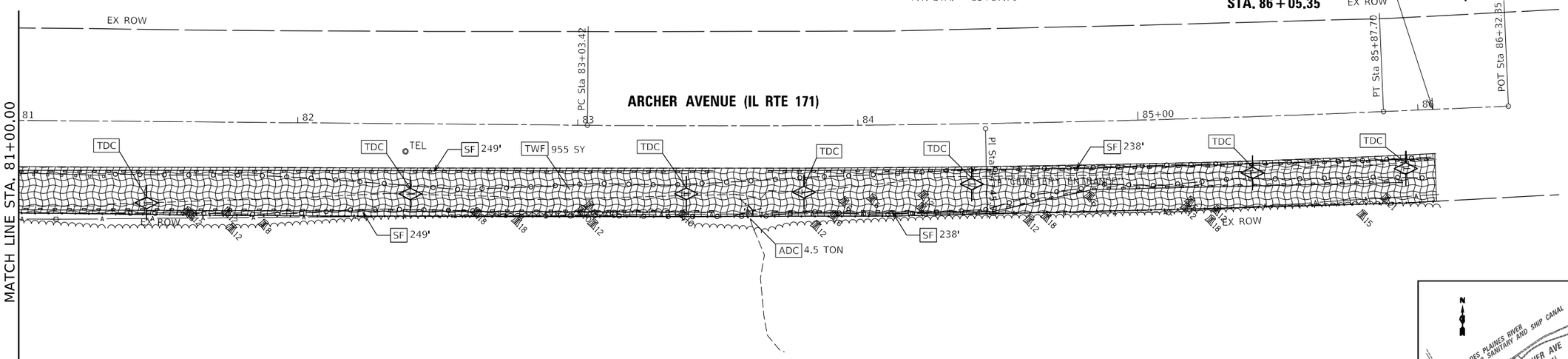

0 20 40 60
SCALE IN FEET

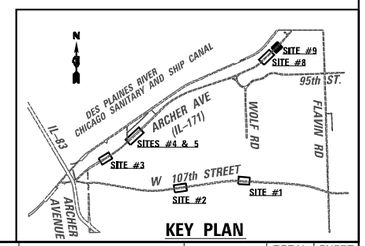
N

## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER (28000400)
- IF - INLET FILTERS (28000510)
- IPP - INLET AND PIPE PROTECTION (28000500)
- TDC - TEMPORARY DITCH CHECKS (28000305)
- ADC - AGGREGATE DITCH CHECKS (28000315)
- ECB - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET (28001105)
- PROPOSED GRADING LIMITS

EXIST. CURVE EXCL-171-S9_5
PI STA. = 84+45.59
Δ = 2° 57' 42" (LT)
D = 1° 02' 30"
R = 5,500.00'
T = 142.18'
L = 284.29'
E = 1.84'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 83+03.42
P.T. STA. = 85+87.70




KEY PLAN

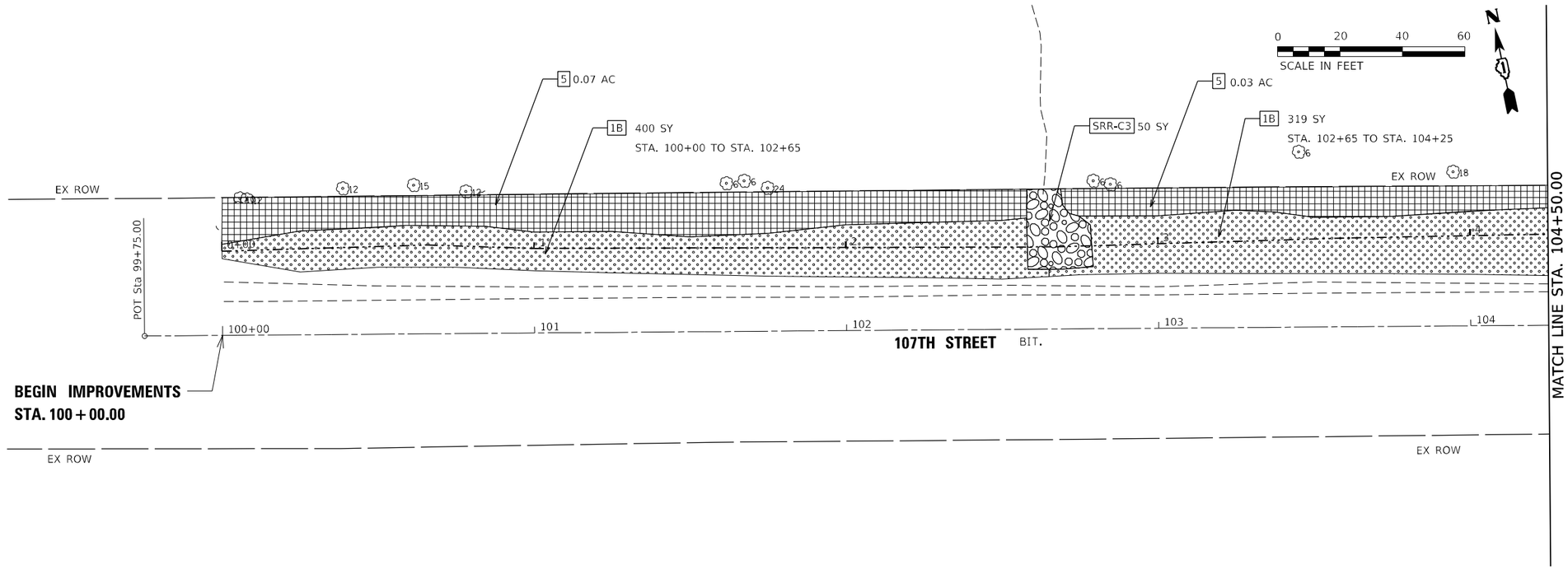
| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

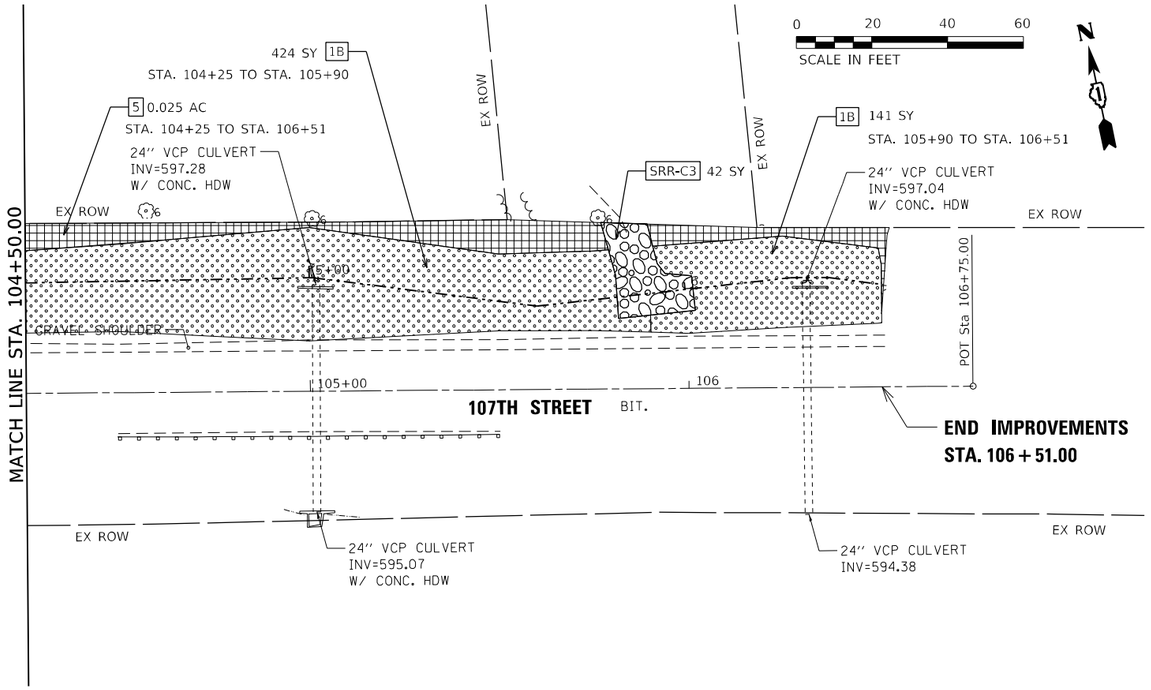
**SITE #9 IL RTE 171**
**EROSION CONTROL PLAN**

SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 79+90.00 | TO STA. 85+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 59 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

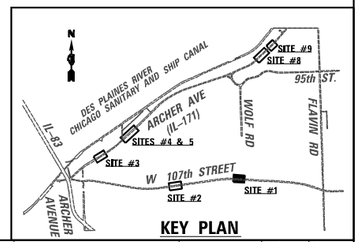
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## LANDSCAPING LEGEND

- 1B — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 1B (25000210); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 3 — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 3 (25000300); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 5 — SEEDING, CLASS 4 (MODIFIED) (X2501800); SEEDING, CLASS 5 (MODIFIED) (X2501820)
- SRR-C3 — STONE RIPRAP, CLASS A3 (28100105)
- SRR-C4 — STONE RIPRAP, CLASS A4 (28100107)




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - | |

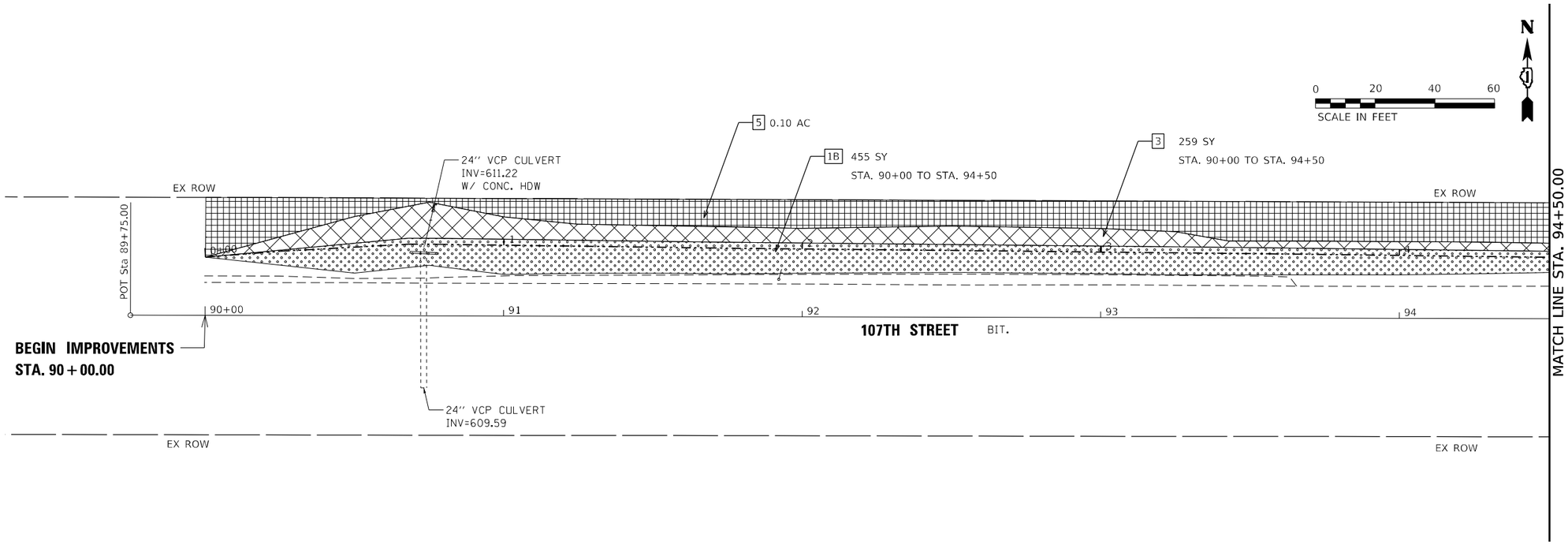
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

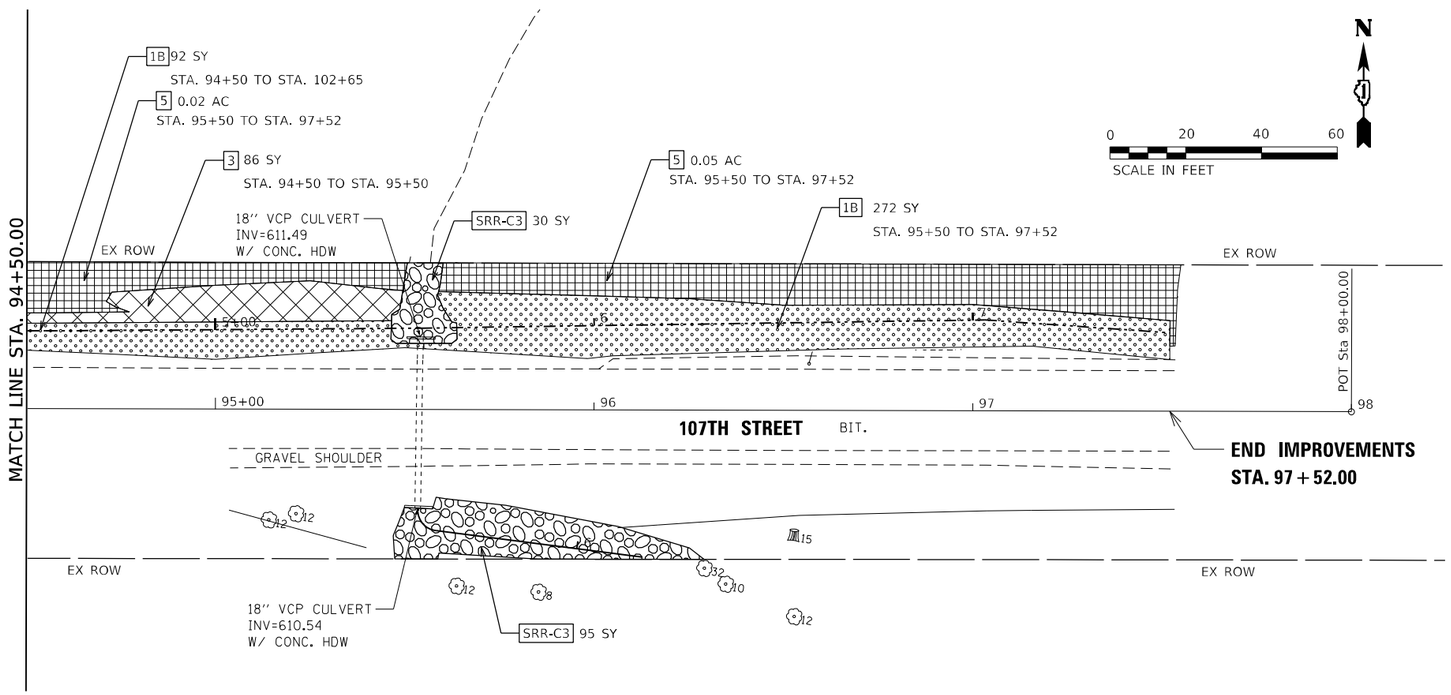
**SITE #1 107TH STREET**
**LANDSCAPE PLAN**

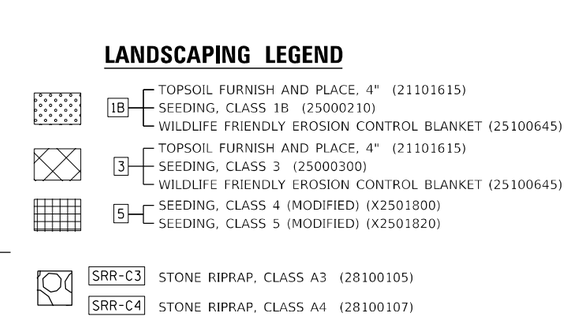
SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 99+75.00 | TO STA. 106+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 60 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
FILE NAME: pw:\\wsp-ud-pw.bentley.com:wsp-ud-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht_171-landscape-101.dgn

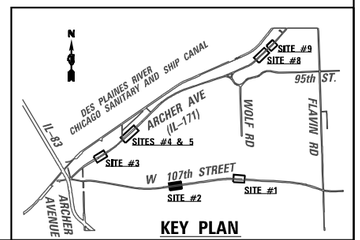



## LANDSCAPING LEGEND

- 1B — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 1B (25000210); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 3 — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 3 (25000300); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 5 — SEEDING, CLASS 4 (MODIFIED) (X2501800); SEEDING, CLASS 5 (MODIFIED) (X2501820)
- SRR-C3 — STONE RIPRAP, CLASS A3 (28100105)
- SRR-C4 — STONE RIPRAP, CLASS A4 (28100107)




KEY PLAN

MODEL: Default
FILE NAME: pw:\\wsp-usa-dpw.bentley.com:wsp-us-pw-1\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720ksht171-landscape-102.dgn

wsp

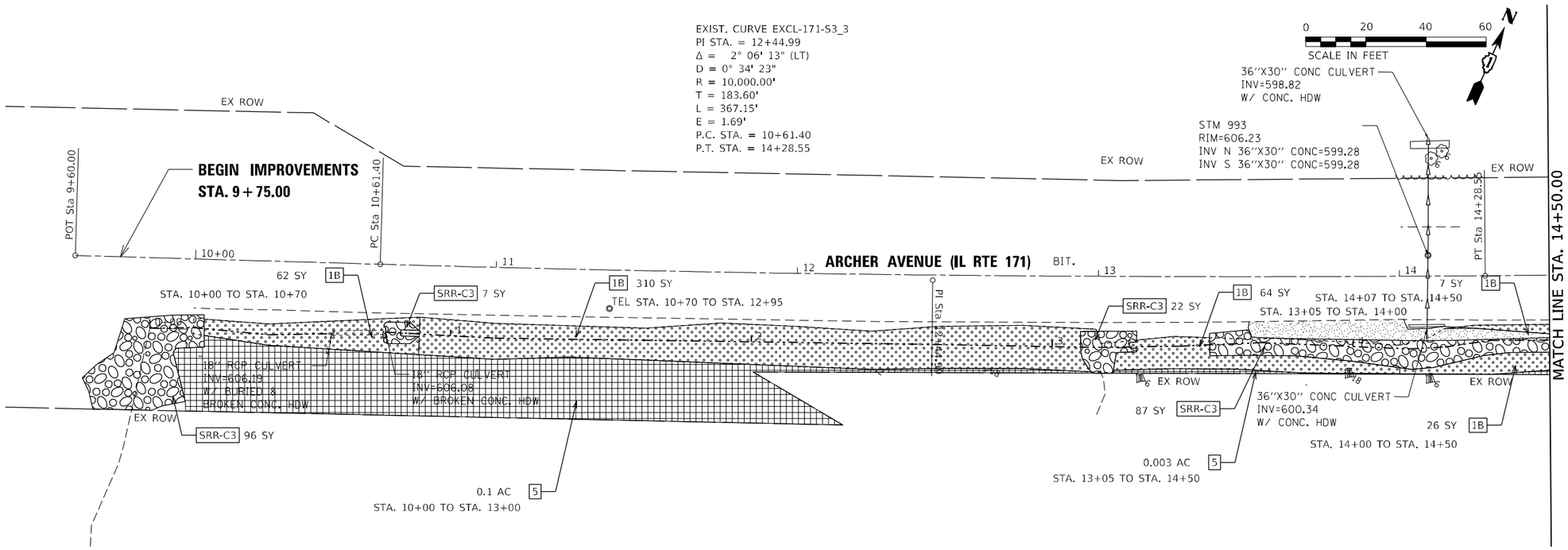
| | | |
|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - |
| | DRAWN - MM | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - |

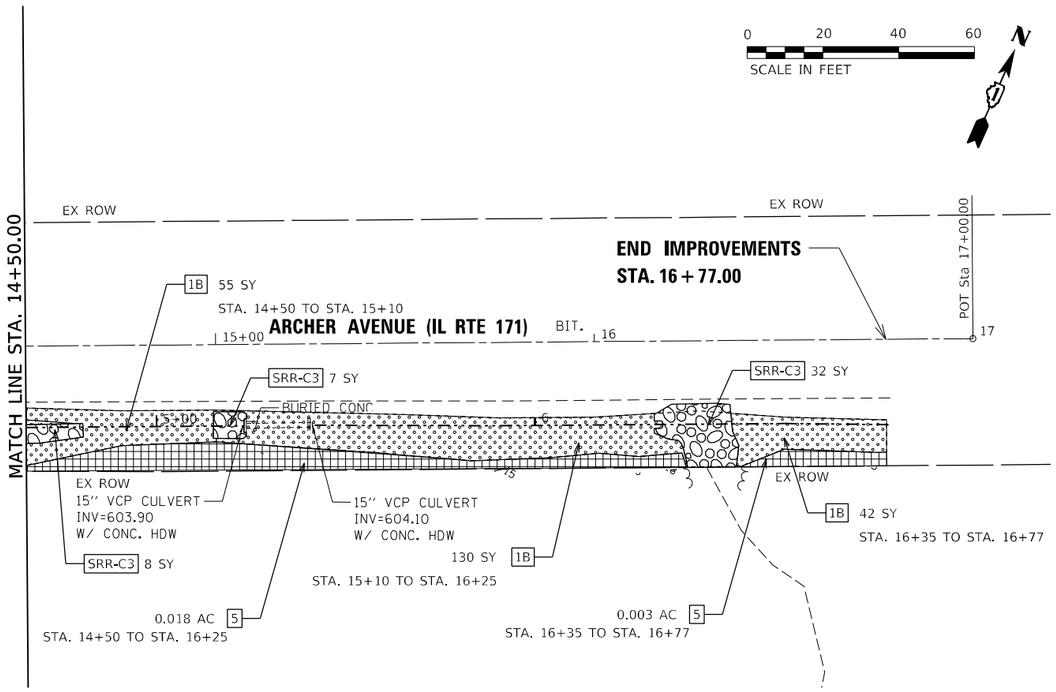
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SITE #2 107TH STREET**
**LANDSCAPE PLAN**

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 89+75.00 TO STA. 98+00.00

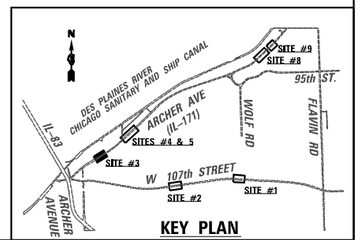
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 61 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## LANDSCAPING LEGEND

- 1B — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 1B (25000210); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 3 — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 3 (25000300); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 5 — SEEDING, CLASS 4 (MODIFIED) (X2501800); SEEDING, CLASS 5 (MODIFIED) (X2501820)
- SRR-C3 — STONE RIPRAP, CLASS A3 (28100105)
- SRR-C4 — STONE RIPRAP, CLASS A4 (28100107)




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - | |

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

**SITE #3 IL RTE 171**
**LANDSCAPE PLAN**

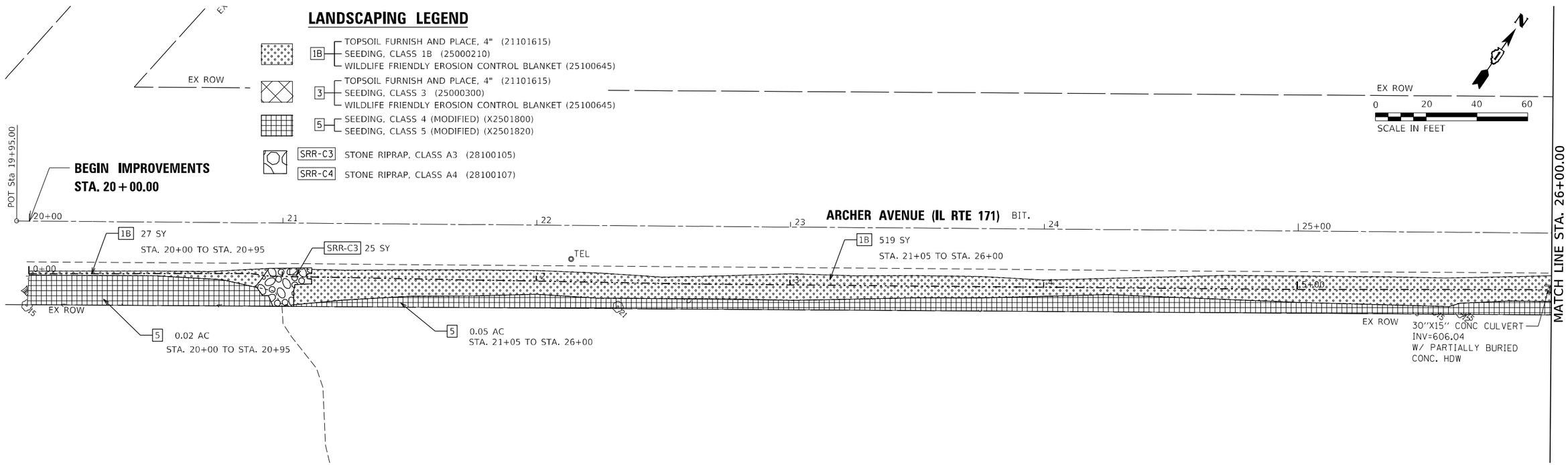
SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 9+85.00 TO STA. 17+00.00

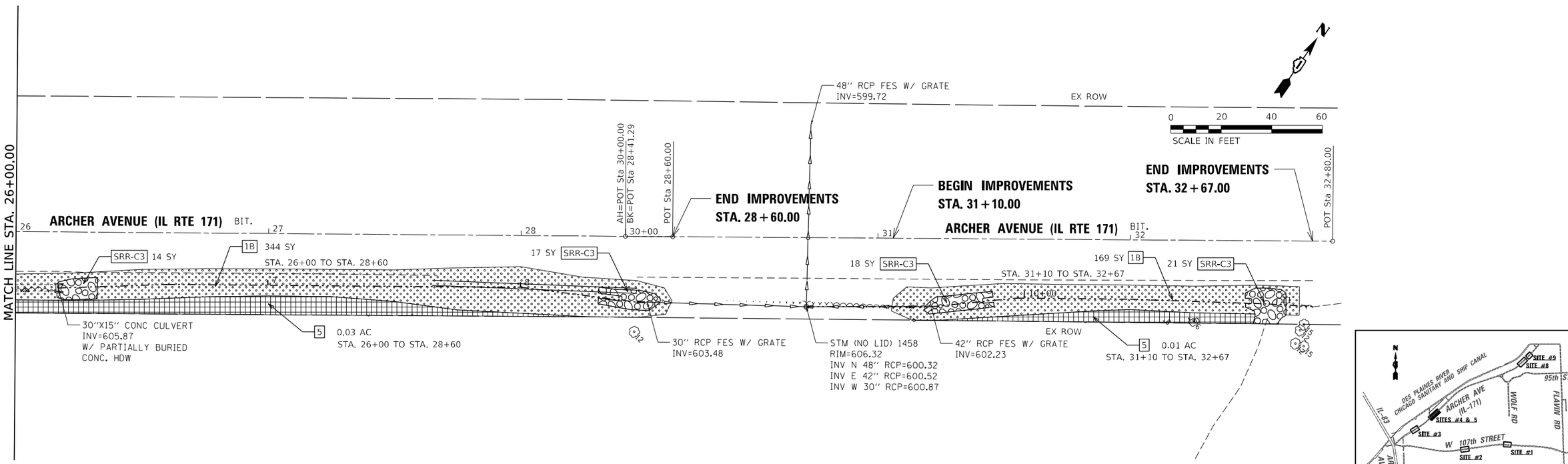
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 62 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

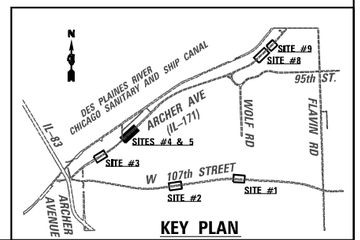
MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-us-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-IL171-landscape-103.dgn

## LANDSCAPING LEGEND

- 1B — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 1B (25000210); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 3 — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 3 (25000300); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 5 — SEEDING, CLASS 4 (MODIFIED) (X2501800); SEEDING, CLASS 5 (MODIFIED) (X2501820)
- SRR-C3 — STONE RIPRAP, CLASS A3 (28100105)
- SRR-C4 — STONE RIPRAP, CLASS A4 (28100107)




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - | |

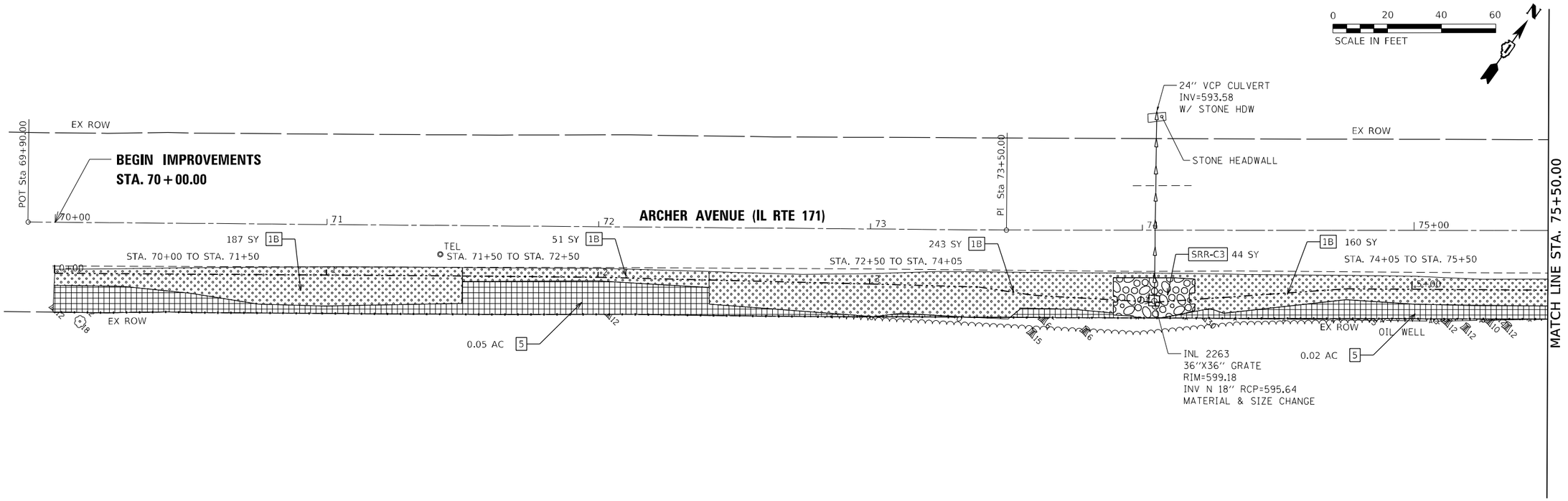
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

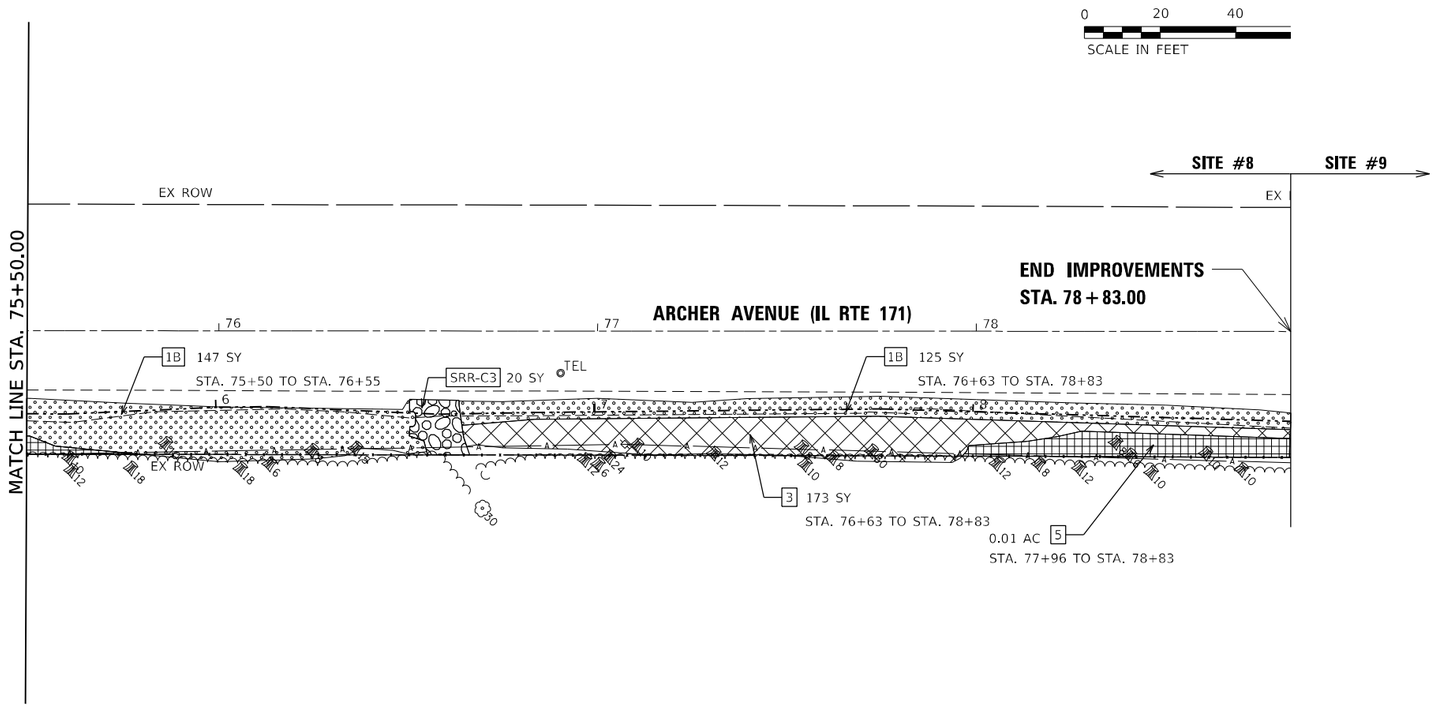
**SITES #4 & 5 IL RTE 171**
**LANDSCAPE PLAN**

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 19+95.00 TO STA. 32+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 63 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

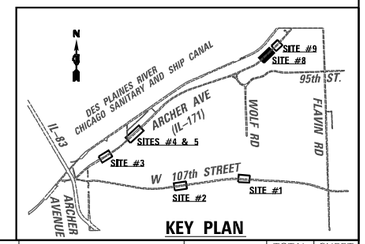
MODEL: Default
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## LANDSCAPING LEGEND

- 1B — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 1B (25000210); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 3 — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 3 (25000300); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 5 — SEEDING, CLASS 4 (MODIFIED) (X2501800); SEEDING, CLASS 5 (MODIFIED) (X2501820)
- SRR-C3 — STONE RIPRAP, CLASS A3 (28100105)
- SRR-C4 — STONE RIPRAP, CLASS A4 (28100107)




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - | |

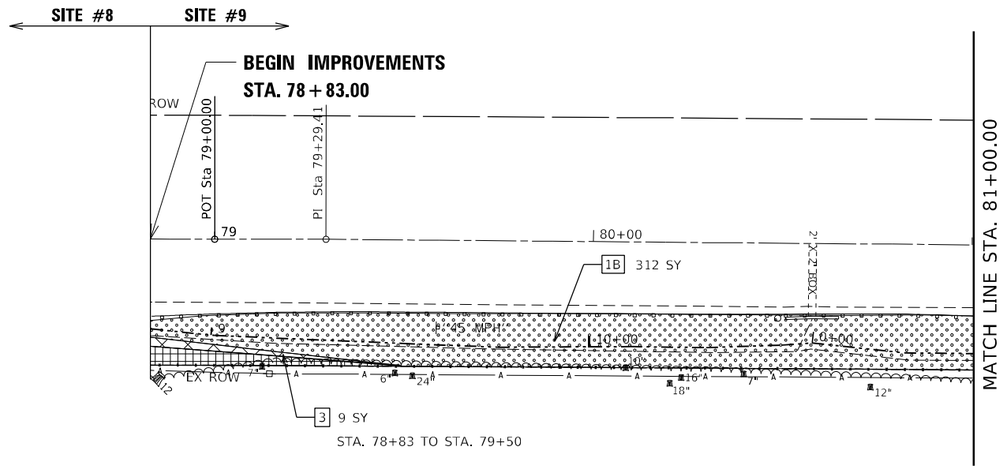
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

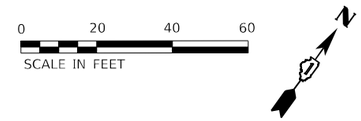
**SITE #8 IL RTE 171**
**LANDSCAPE PLAN**

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 69+90.00 TO STA. 79+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 64 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsp-us-pw\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-IL171-landscape-106.dgn

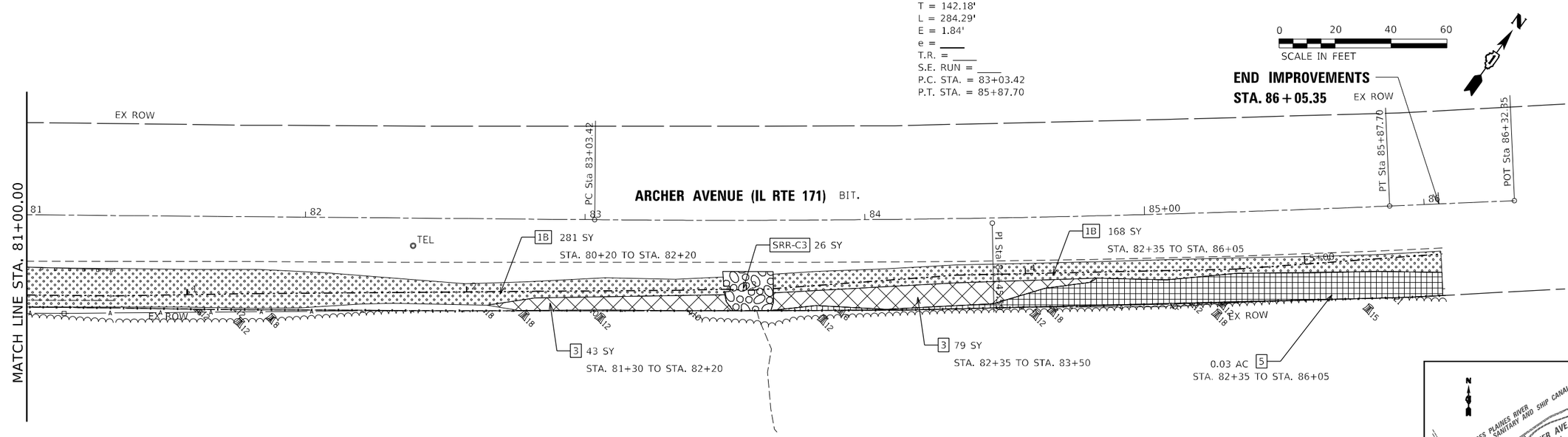


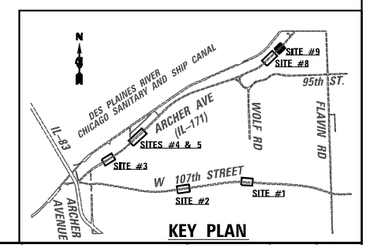




## LANDSCAPING LEGEND

- 1B — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 1B (25000210); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 3 — TOPSOIL FURNISH AND PLACE, 4" (21101615); SEEDING, CLASS 3 (25000300); WILDLIFE FRIENDLY EROSION CONTROL BLANKET (25100645)
- 5 — SEEDING, CLASS 4 (MODIFIED) (X2501800); SEEDING, CLASS 5 (MODIFIED) (X2501820)
- SRR-C3 STONE RIPRAP, CLASS A3 (28100105)
- SRR-C4 STONE RIPRAP, CLASS A4 (28100107)

EXIST. CURVE EXCL-171-S9_5
PI STA. = 84+45.59
Δ = 2° 57' 42" (LT)
D = 1° 02' 30"
R = 5,500.00'
T = 142.18'
L = 284.29'
E = 1.84'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 83+03.42
P.T. STA. = 85+87.70




KEY PLAN

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 01/28/2026 | REVISED - | |

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

**SITE #9 IL RTE 171**
**LANDSCAPE PLAN**

SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 78+83.00 | TO STA. 86+05.35

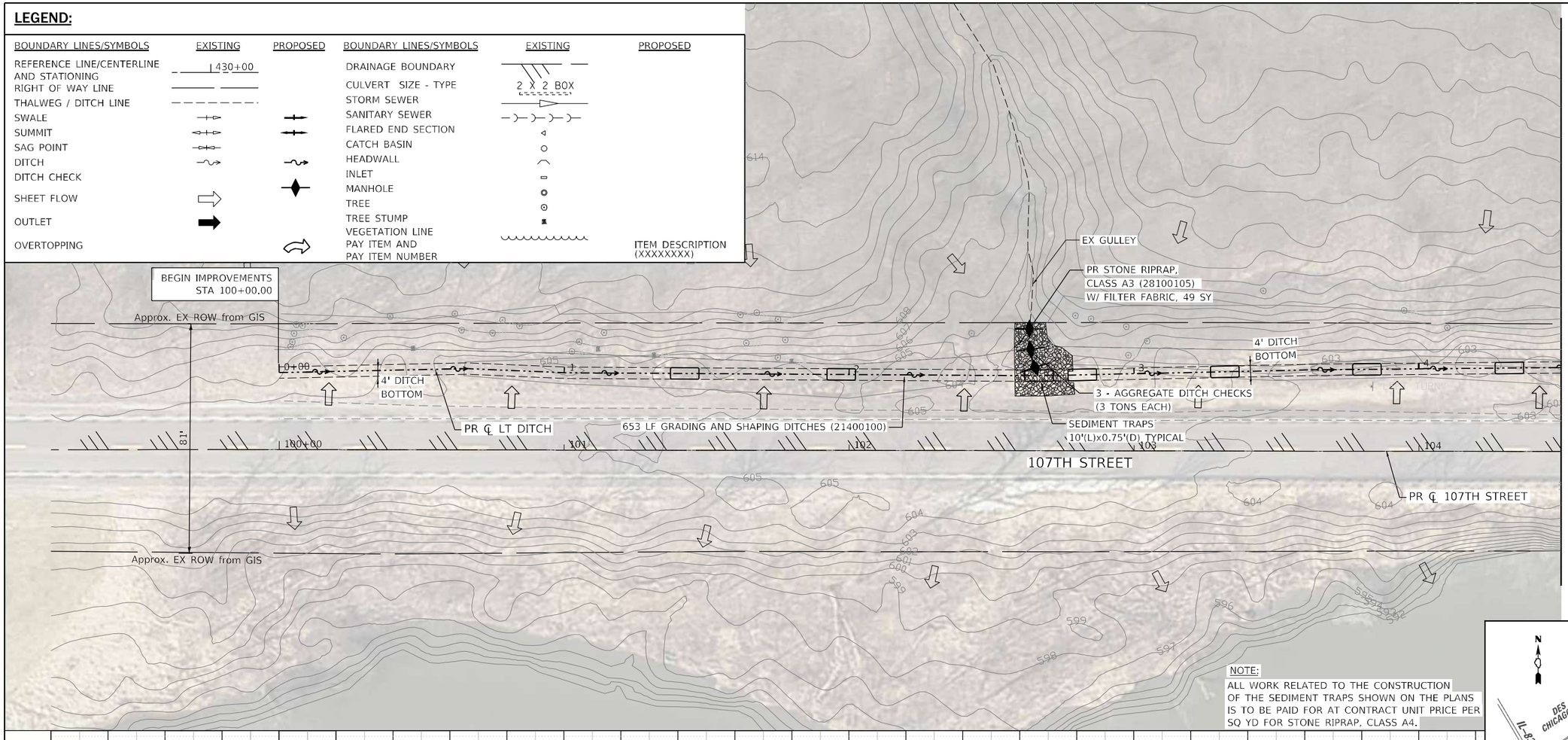
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 65 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-ii\Documents\Project 2056082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-lt 171-landscape-107.dgn

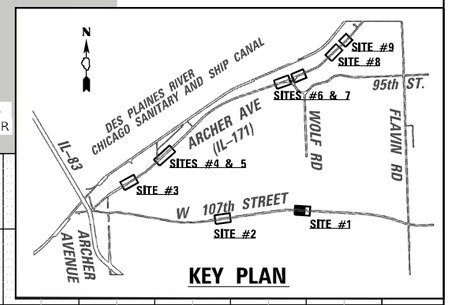
## LEGEND:

| BOUNDARY LINES/SYMBOLS | EXISTING | PROPOSED |
|---|---|---|
| REFERENCE LINE/CENTERLINE AND STATIONING | 430+00 | |
| RIGHT OF WAY LINE | | |
| THALWEG / DITCH LINE | | |
| SWALE | | |
| SUMMIT | | |
| SAG POINT | | |
| DITCH | | |
| DITCH CHECK | | |
| SHEET FLOW | | |
| OUTLET | | |
| OVERTOPPING | | |

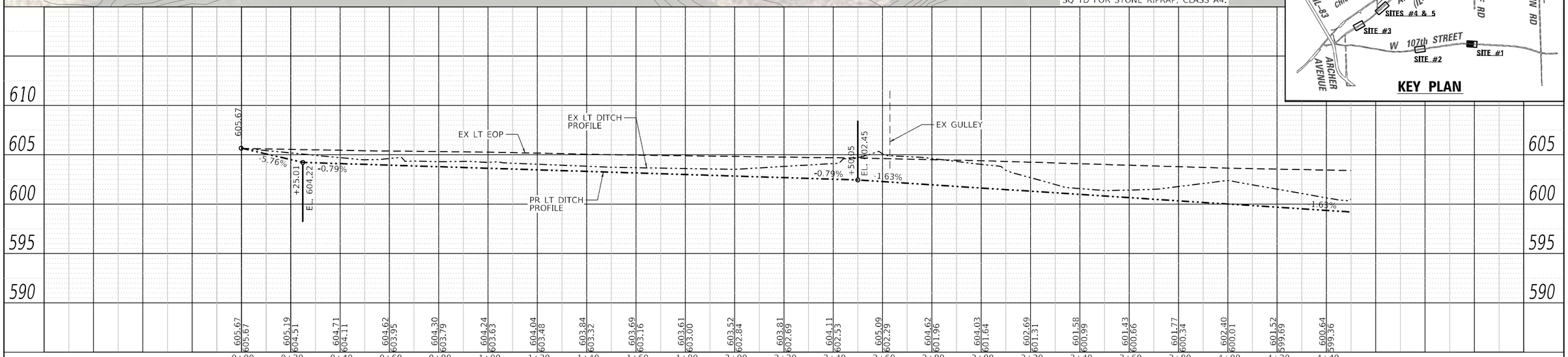
| BOUNDARY LINES/SYMBOLS | EXISTING | PROPOSED |
|---|---|---|
| DRAINAGE BOUNDARY | | |
| CULVERT SIZE - TYPE | 2 X 2 BOX | |
| STORM SEWER | | |
| SANITARY SEWER | | |
| FLARED END SECTION | | |
| CATCH BASIN | | |
| HEADWALL | | |
| INLET | | |
| MANHOLE | | |
| TREE | | |
| TREE STUMP | | |
| VEGETATION LINE | | |
| PAY ITEM AND PAY ITEM NUMBER | | ITEM DESCRIPTION (XXXXXXXX) |




NOTE:
ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.




KEY PLAN




| | | | | | |
|---|---|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | 107TH STREET DRAINAGE PLAN AND PROFILE SITE #1 |
| | | DRAWN - JK | REVISED - | | |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - | | SCALE: 1"=20'H:5'V SHEET 1 OF 13 SHEETS STA. 100+00 TO STA. 104+50 |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 66 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

MATCHLINE STA. 104+50.00

EX 24" VCP CULVERT
INV=597.28
PARTIALLY BURIED

EX
GULLEY

PR STONE RIPRAP,
CLASS A3 (28100105)
W/ FILTER FABRIC, 41 SY

2 - AGGREGATE DITCH CHECKS
(3 TONS EACH)

SEDIMENT TRAPS
10'(L)x0.75'(D) TYPICAL

EX 24" VCP CULVERT
INV=597.04

4' DITCH
BOTTOM

104+00

4' DITCH
BOTTOM

EX CONC. HEADWALL

EX CONC. HEADWALL

653 LF GRADING AND SHAPING DITCHES (21400100)

PR ℄ LT DITCH

105+00

106

107TH STREET

PR ℄ 107TH STREET

Approx. EX ROW from GIS

77'

Approx. EX ROW from GIS

END IMPROVEMENTS
STA 106+51.00

EX CONC. HEADWALL

EX 24" VCP CULVERT
INV=595.07

OUTLET #1A
APPROX. TRIB
AREA = 13.7 AC

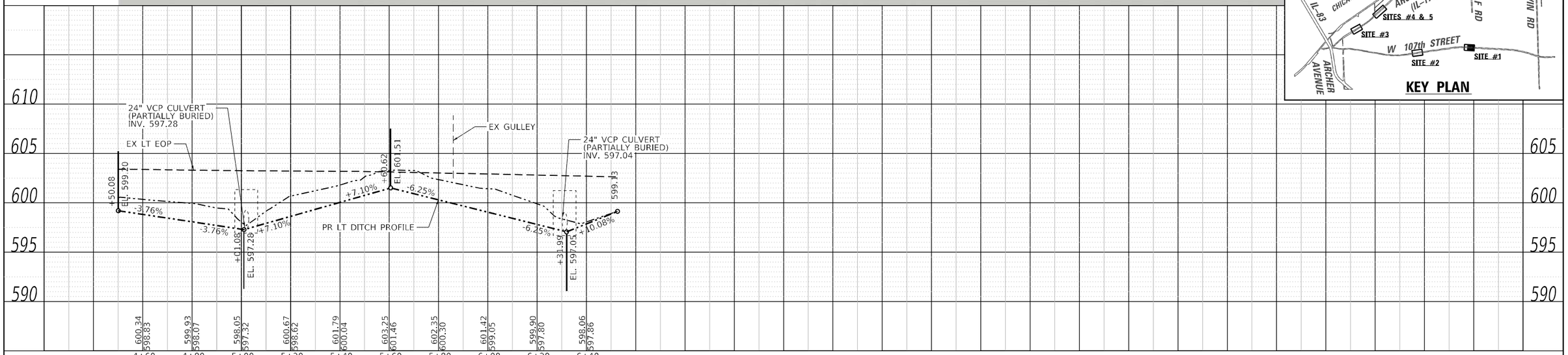
OUTLET #1B
APPROX. TRIB
AREA = 11.5 AC

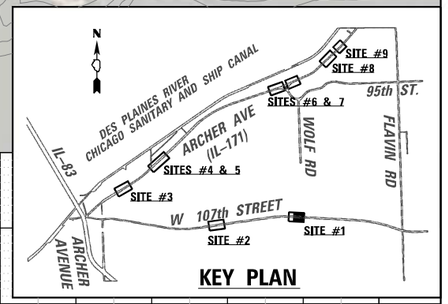
EX 24" VCP CULVERT
INV=594.38

N

0 20 40 60
SCALE IN FEET

NOTE:
ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.




KEY PLAN

LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

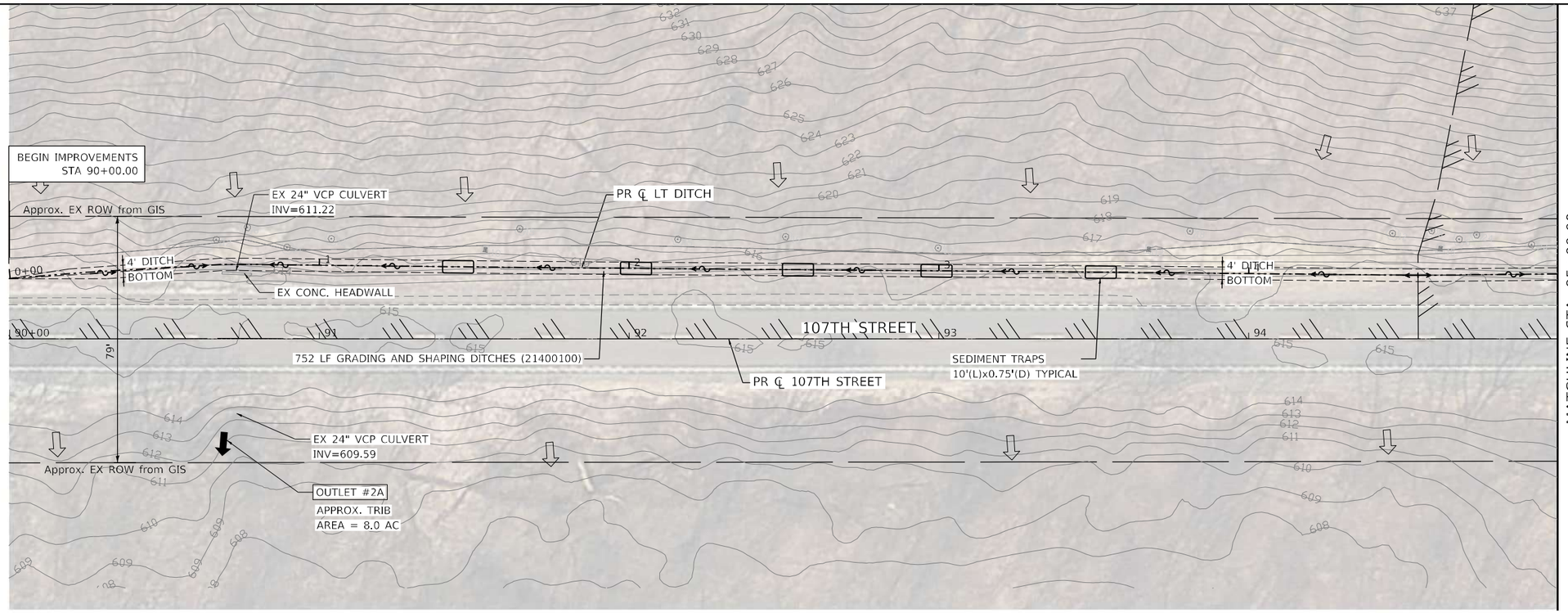
| | | |
|---|---|---|
| USER NAME = 14nho | DESIGNED - JK | REVISED - |
| | DRAWN - JK | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - |
| PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - |

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

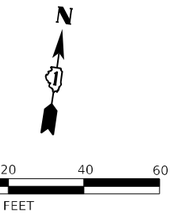
**107TH STREET**
**DRAINAGE PLAN AND PROFILE**
**SITE #1**

SCALE: 1"=20'H:5'V | SHEET 2 OF 13 SHEETS | STA. 104+50 TO STA. 106+51

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 67 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

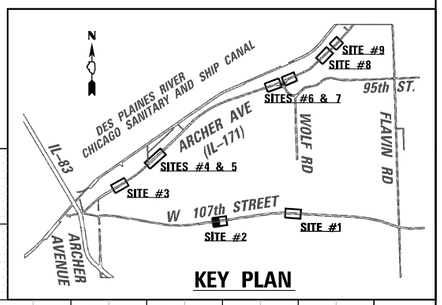



MATCHLINE STA. 95+00.00

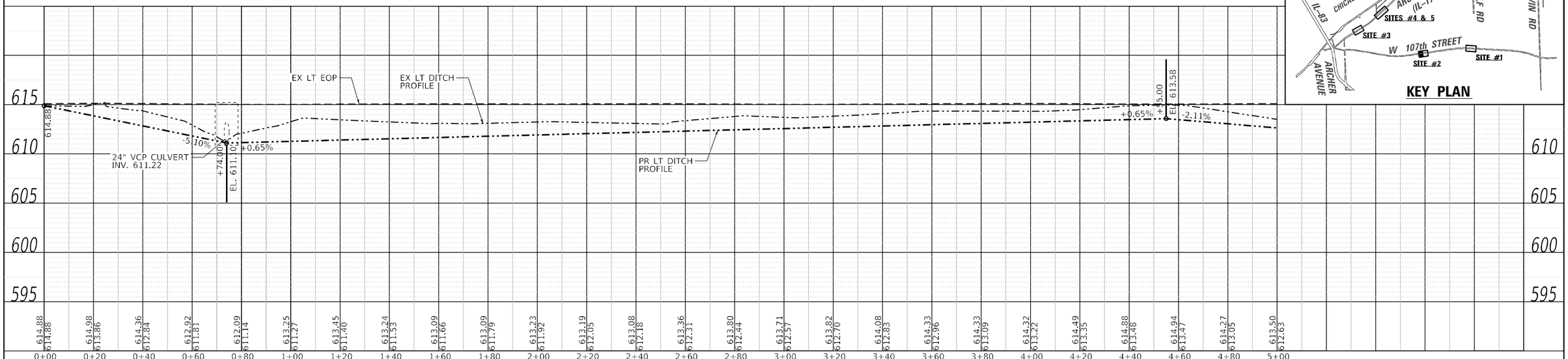



NOTE:

ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.




**KEY PLAN**




| | | | |
|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - |
| | | DRAWN - JK | REVISED - |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - |

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

**107TH STREET**
**DRAINAGE PLAN AND PROFILE**
**SITE #2**

SCALE: 1"=20'H;5'V | SHEET 3 OF 13 SHEETS | STA. 90+00 TO STA. 95+00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 68 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

MATCHLINE STA. 95+00.00

PR STONE RIPRAP, CLASS A3 (28100105) W/ FILTER FABRIC, 30 SY

3 - AGGREGATE DITCH CHECKS (3 TONS EACH)

EX GULLEY

EX 18" VCP CULVERT INV=611.49

PR ℄ LT DITCH

SEDIMENT TRAPS 10'(L)x0.75'(D) TYPICAL

EX CONC. HEADWALL

5+00

4' DITCH BOTTOM

752 LF GRADING AND SHAPING DITCHES (21400100)

4' DITCH BOTTOM

PR ℄ 107TH STREET

Approx. EX ROW from GIS

PIPE CULVERTS TO BE CLEANED 18" (60920018) 45 LF

107TH STREET

95+00

96

97

98

PR ℄ RT DITCH

64 LF GRADING AND SHAPING DITCHES (21400100)

EX CONC. HEADWALL

2' DITCH BOT.

END IMPROVEMENTS STA 97+52.00

EX 18" VCP CULVERT INV=610.54

Approx. EX ROW from GIS

OUTLET #2B

APPROX. TRIB AREA = 36.9 AC

PR STONE RIPRAP, CLASS A3 (28100105) W/ FILTER FABRIC, 65 SY

MEET EXISTING GRADE OF DITCH AT ROW LINE APPROX. 610.00

GRADE PR RIPRAP TO MEET EXISTING GRADE

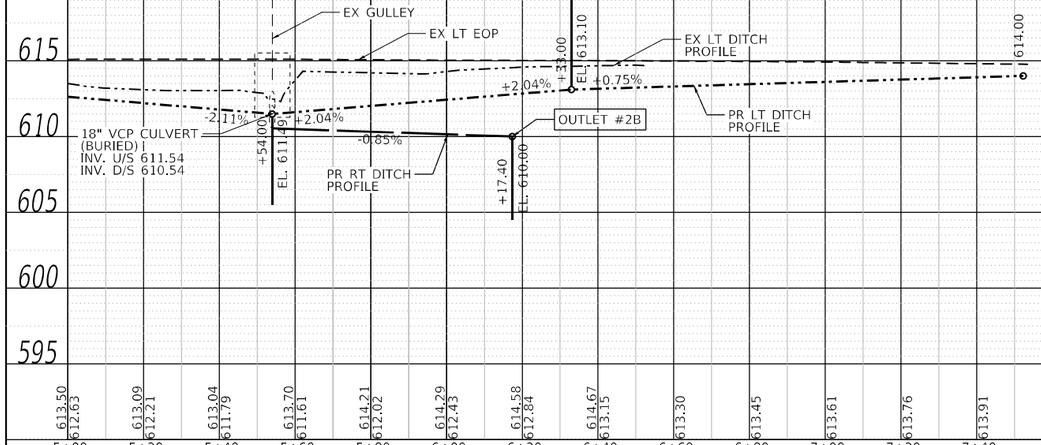
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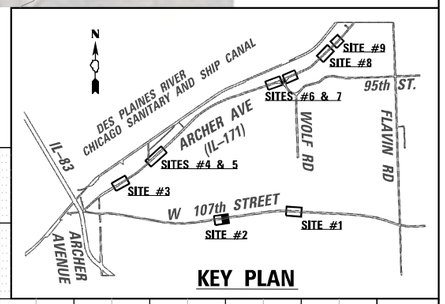
0 20 40 60

SCALE IN FEET

NOTE:

ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.




KEY PLAN

LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

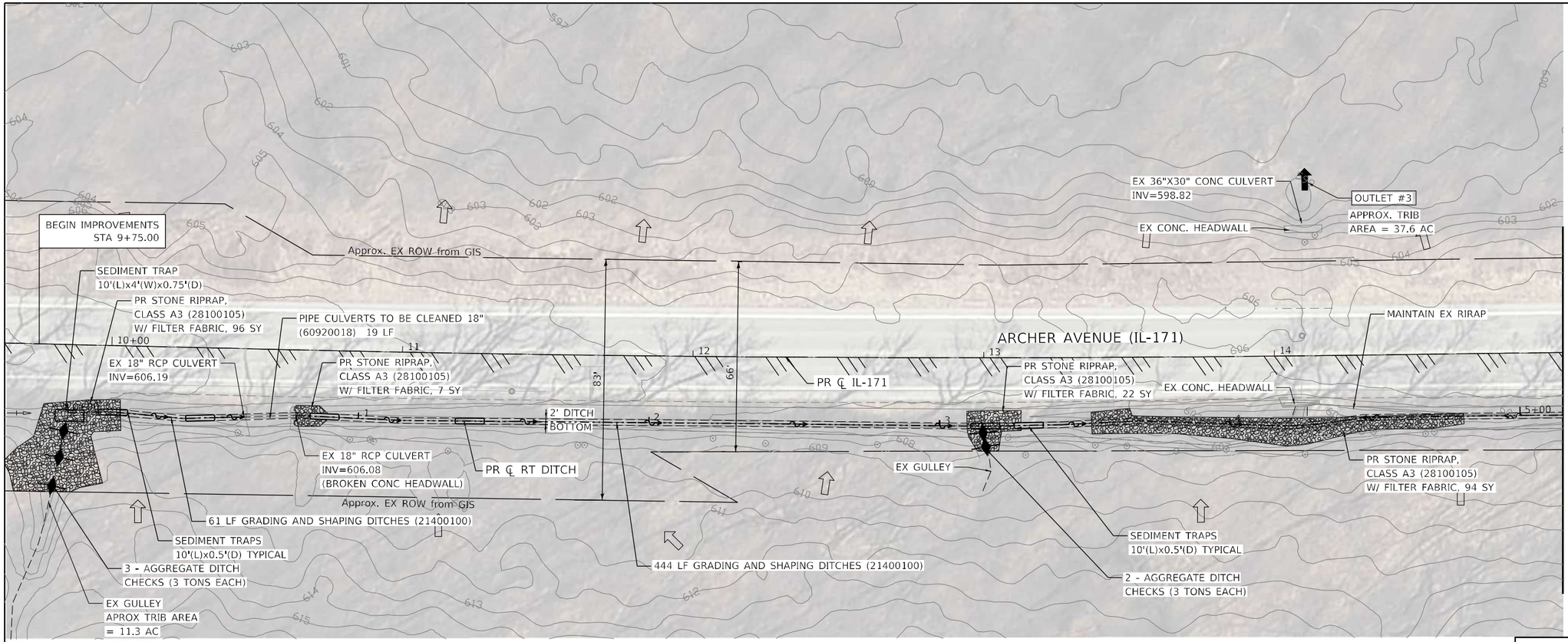
| | | | |
|---|---|---|---|
| USER NAME = 14nho | DESIGNED - JK | REVISED - | |
| | DRAWN - JK | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - | |
| PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - | |

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

**107TH STREET**
**DRAINAGE PLAN AND PROFILE**
**SITE #2**

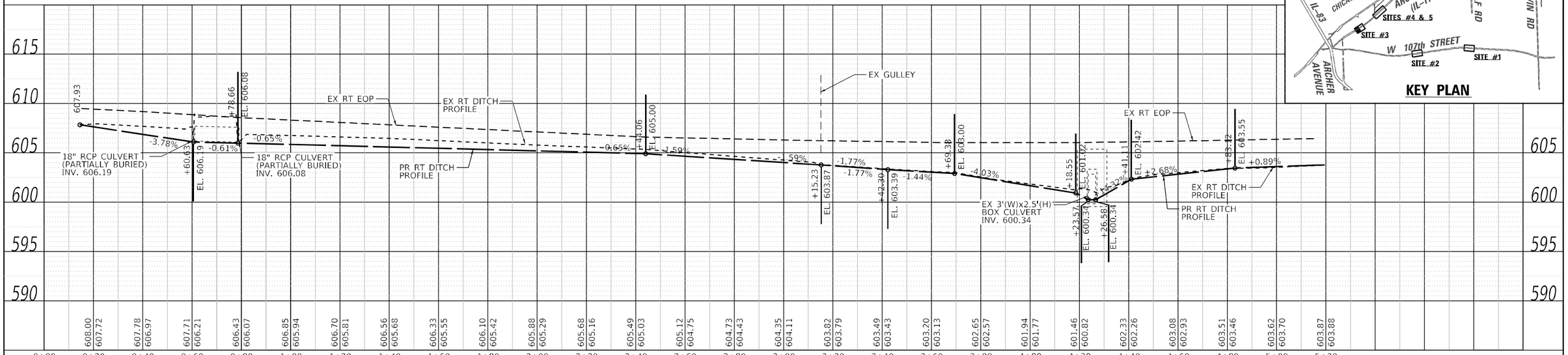
SCALE: 1"=20'H:5'V | SHEET 4 OF 13 SHEETS | STA. 95+00 TO STA. 97+52

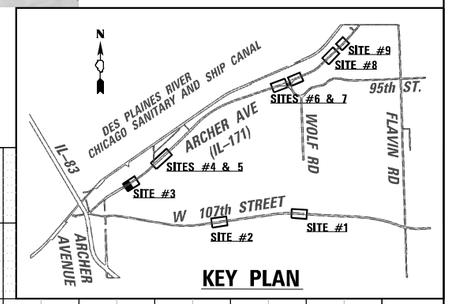
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 69 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |




NOTE:

ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.




LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

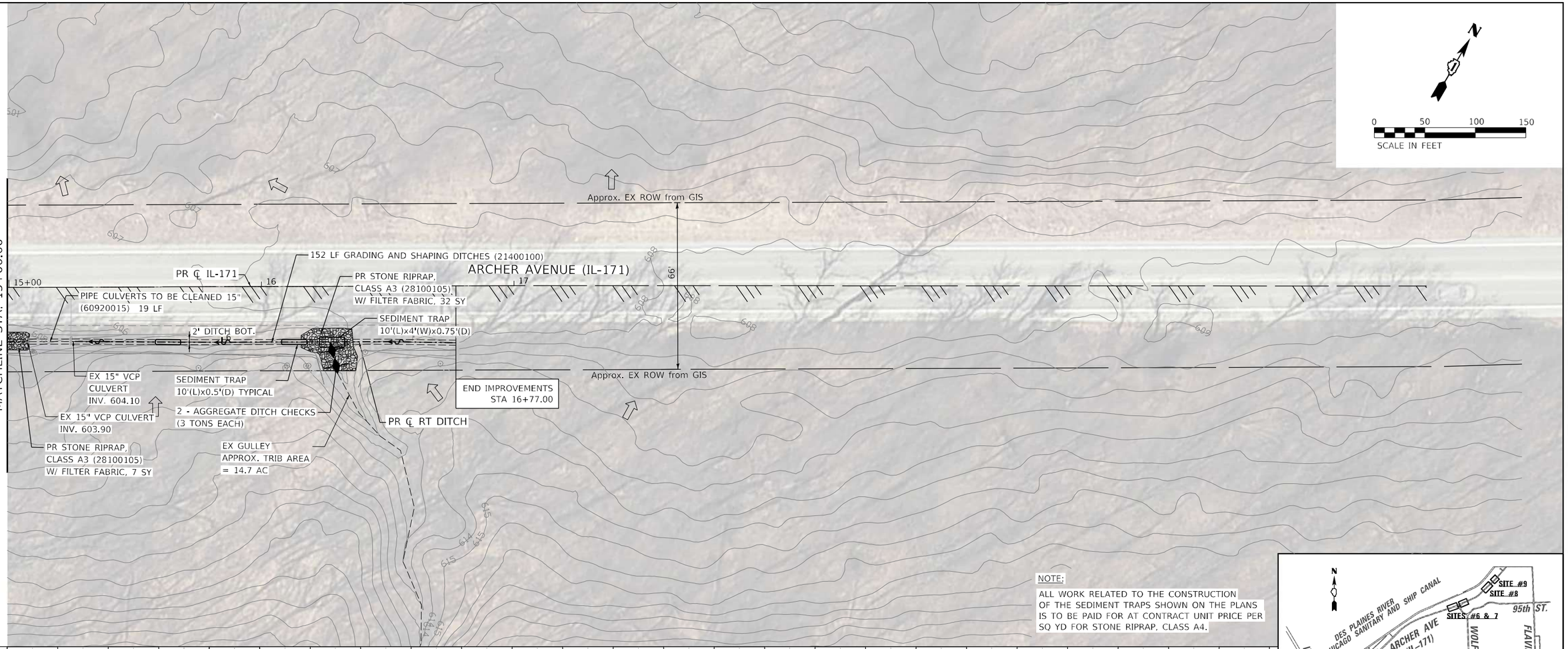
| | | | |
|---|---|---|---|
| USER NAME = 14nho | DESIGNED - JK | REVISED - | |
| | DRAWN - JK | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - | |
| PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - | |

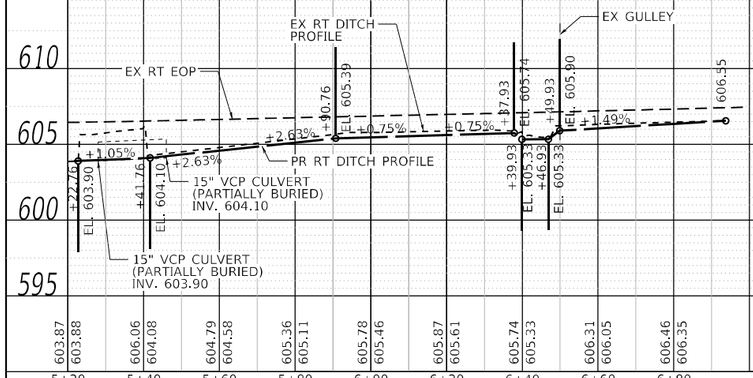
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ARCHER AVE (IL-171)**
**DRAINAGE PLAN AND PROFILE**
**SITE #3**

SCALE: 1"=20'H:5'V | SHEET 5 OF 13 SHEETS | STA. 9+75 | TO STA. 15+00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 70 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |



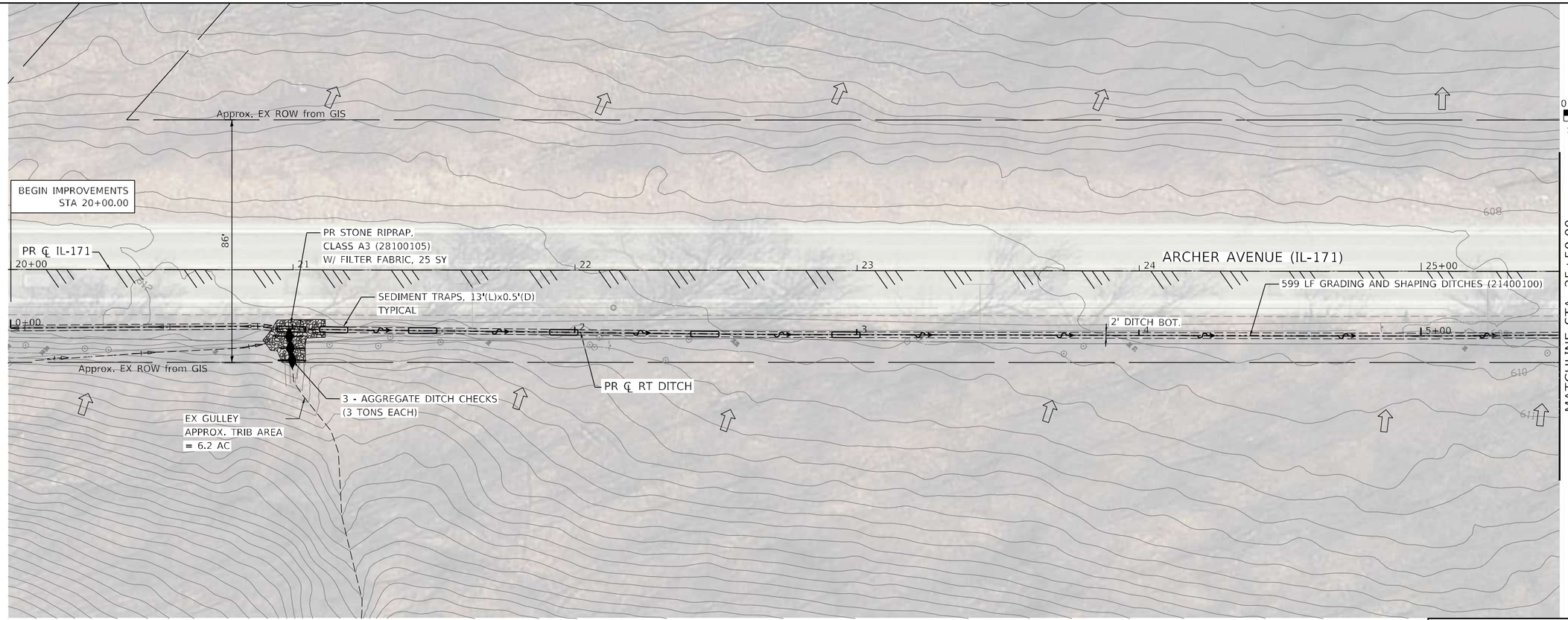

| | | | |
|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - |
| | | DRAWN - JK | REVISED - |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - |

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

**ARCHER AVE (IL-171)**
**DRAINAGE PLAN AND PROFILE**
**SITE #3**

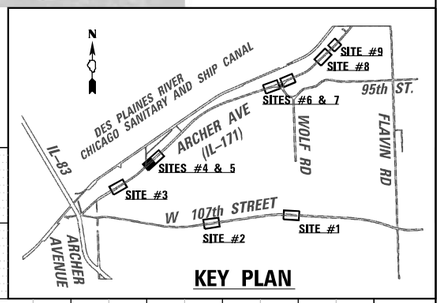
SCALE: 1"=20'H:5'V | SHEET 6 OF 13 SHEETS | STA. 15+00 | TO STA. 16+77

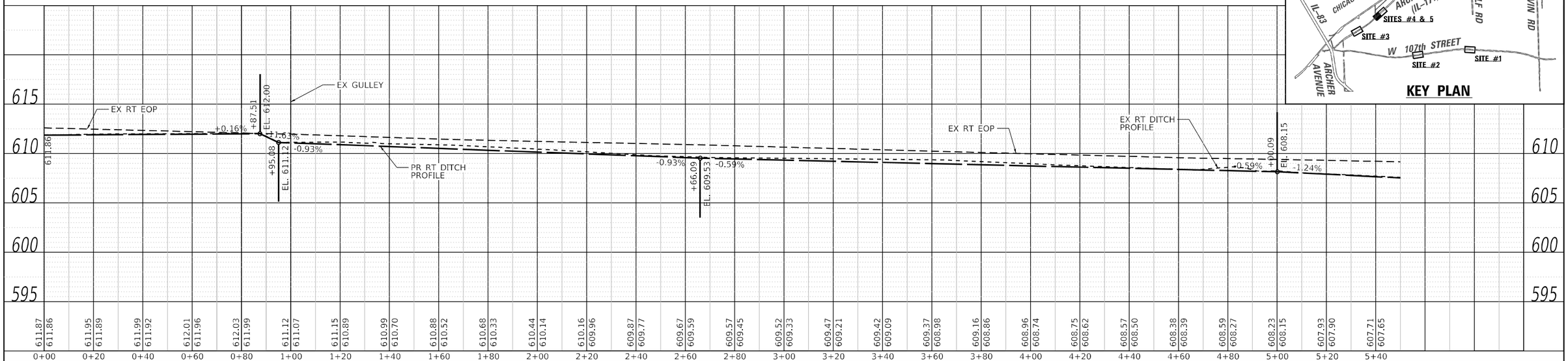
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 71 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




NOTE:

ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.



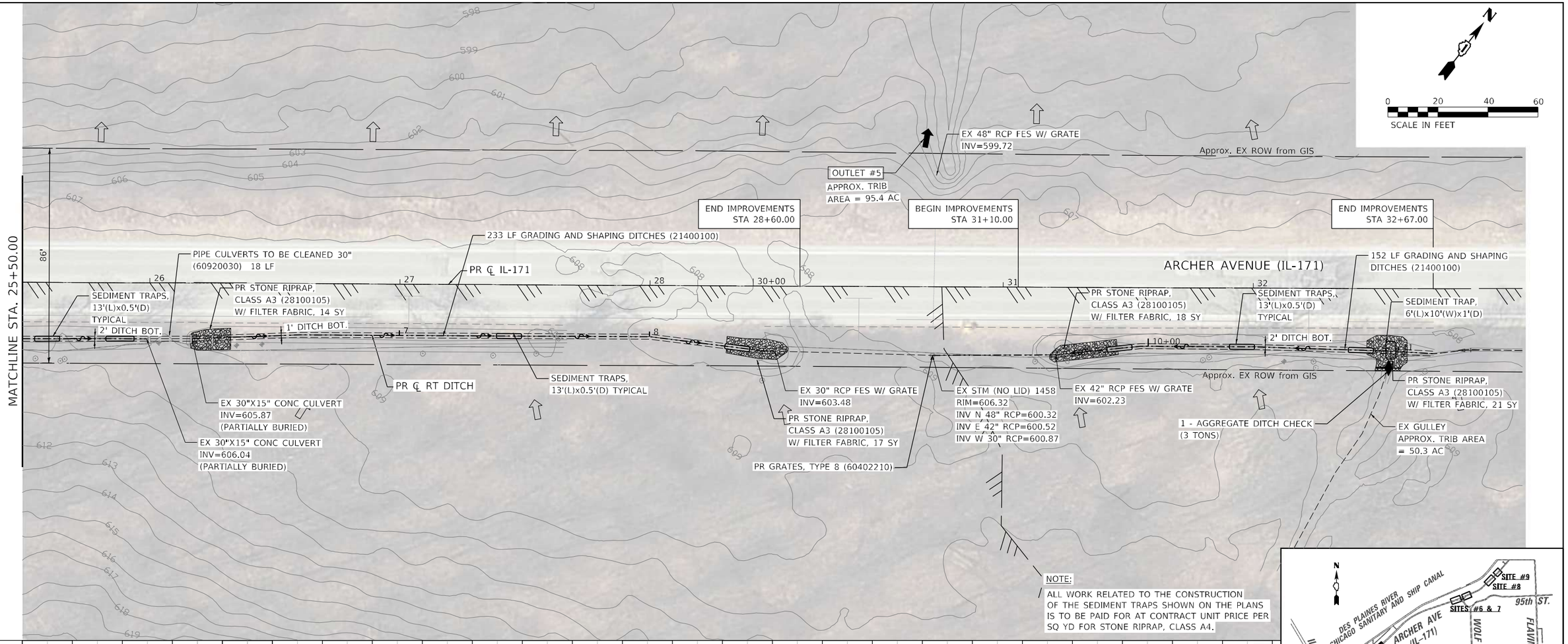

| | | | |
|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nha | DESIGNED - JK | REVISED - |
| | | DRAWN - JK | REVISED - |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - |

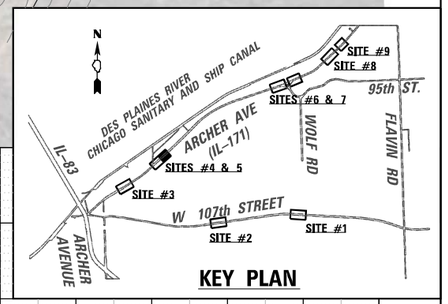
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

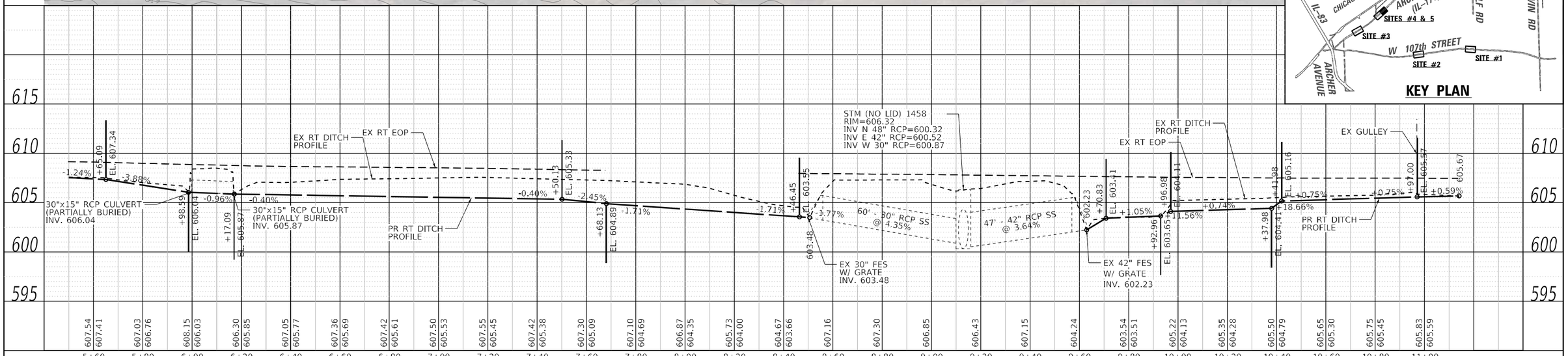
**ARCHER AVE (IL-171)**
**DRAINAGE PLAN AND PROFILE**
**SITE #4 & #5**

SCALE: 1"=20'H:5'V | SHEET 7 OF 13 SHEETS | STA. 20+00 TO STA. 25+50

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 72 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |



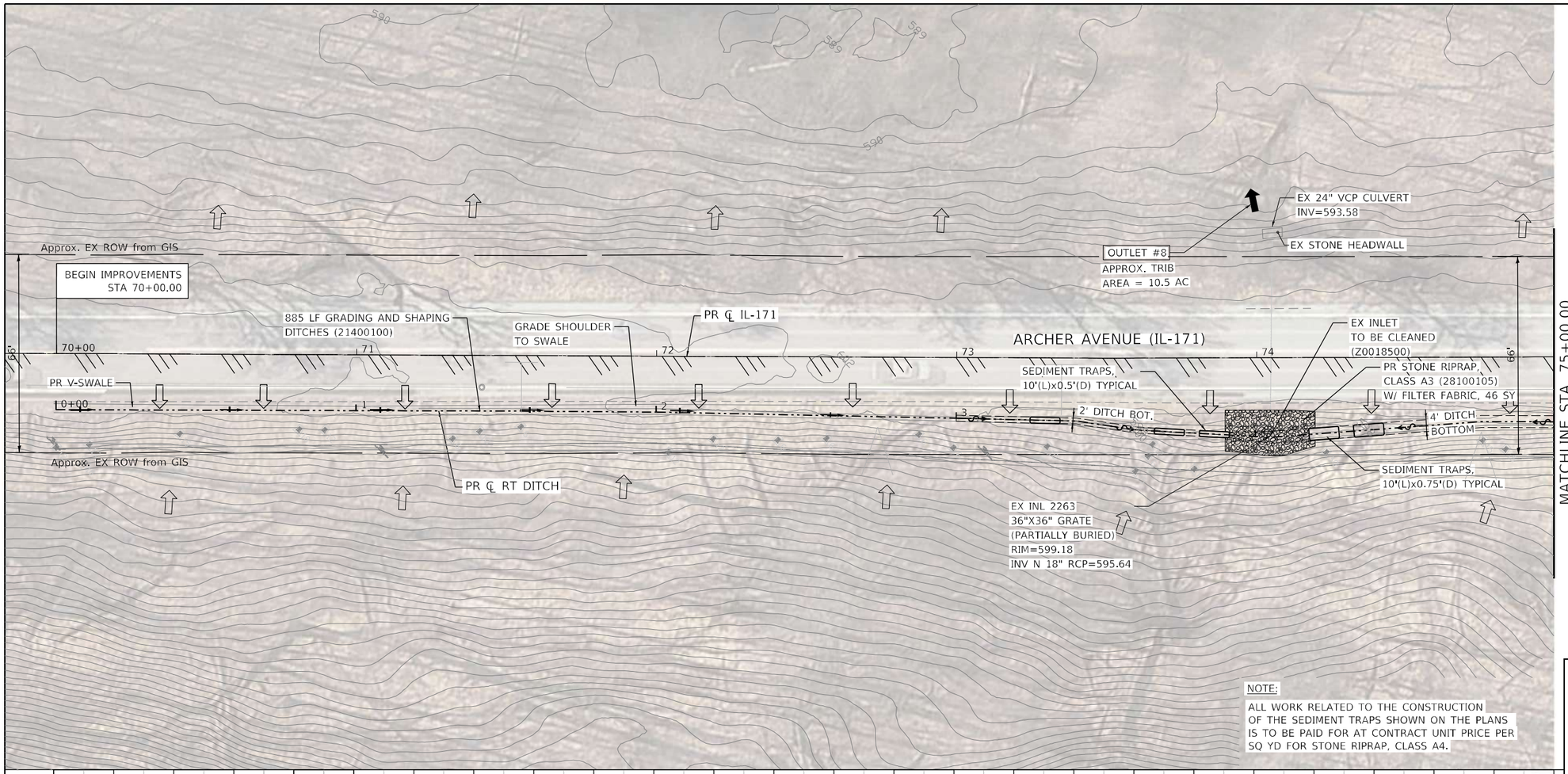

| | | | |
|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - |
| | | DRAWN - JK | REVISED - |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - |

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

**ARCHER AVE (IL-171)**
**DRAINAGE PLAN AND PROFILE**
**SITE #4 & #5**

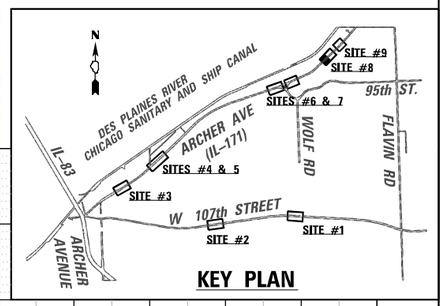
SCALE: 1"=20'H:5'V | SHEET 8 OF 13 SHEETS | STA. 25+50 TO STA. 32+67

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 73 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

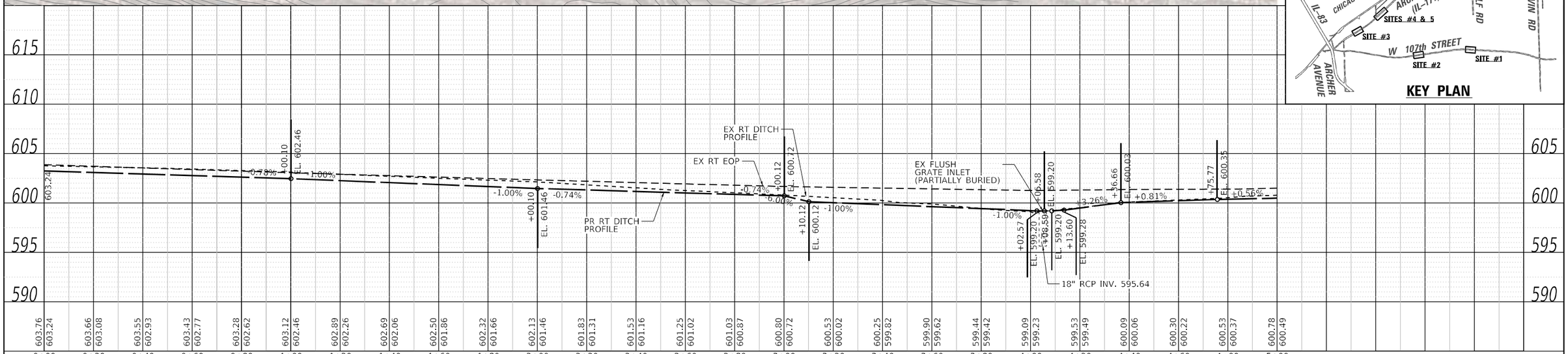



NOTE:

ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.




KEY PLAN



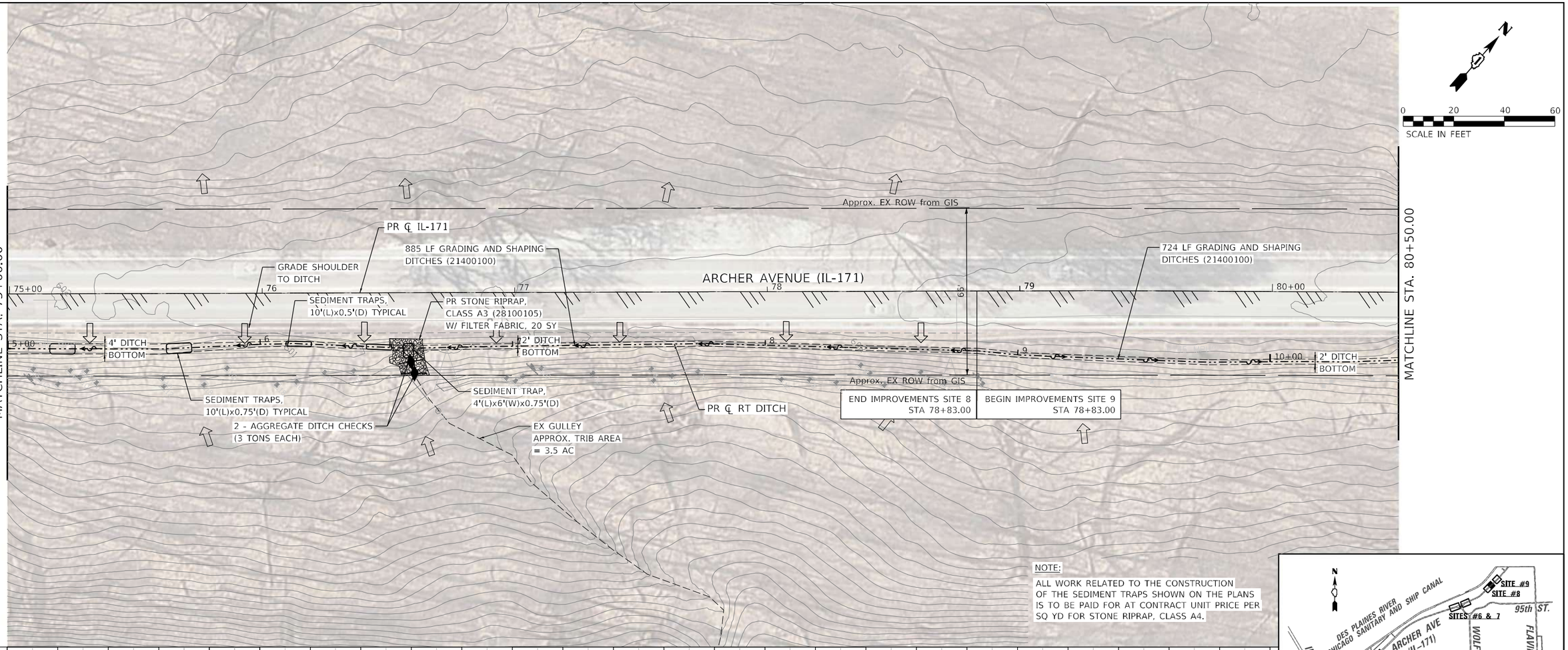

| | | | |
|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - |
| | | DRAWN - JK | REVISED - |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - |

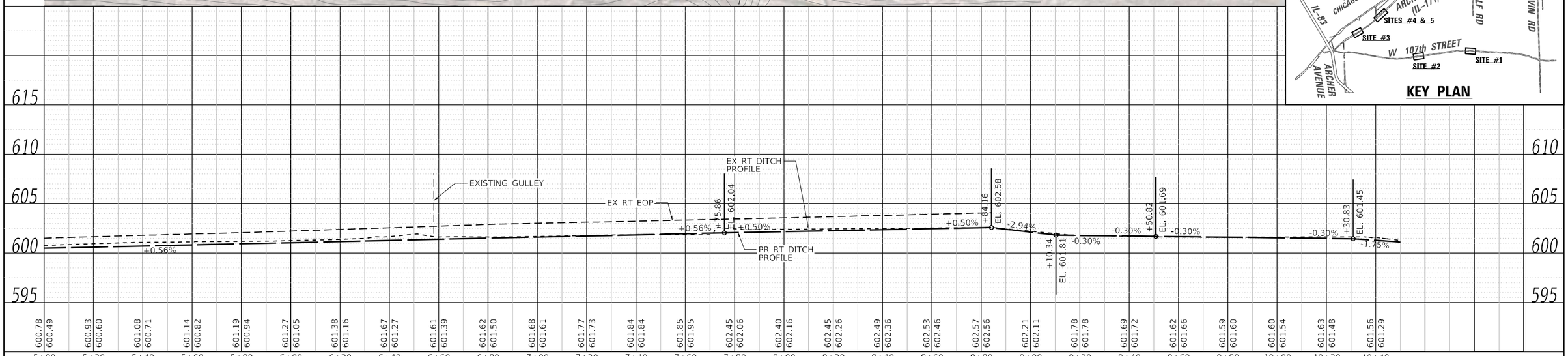
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ARCHER AVE (IL-171)**
**DRAINAGE PLAN AND PROFILE**
**SITE #8**

SCALE: 1"=20'H:5'V | SHEET 11 OF 13 SHEETS | STA. 70+00 TO STA. 75+00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 74 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |



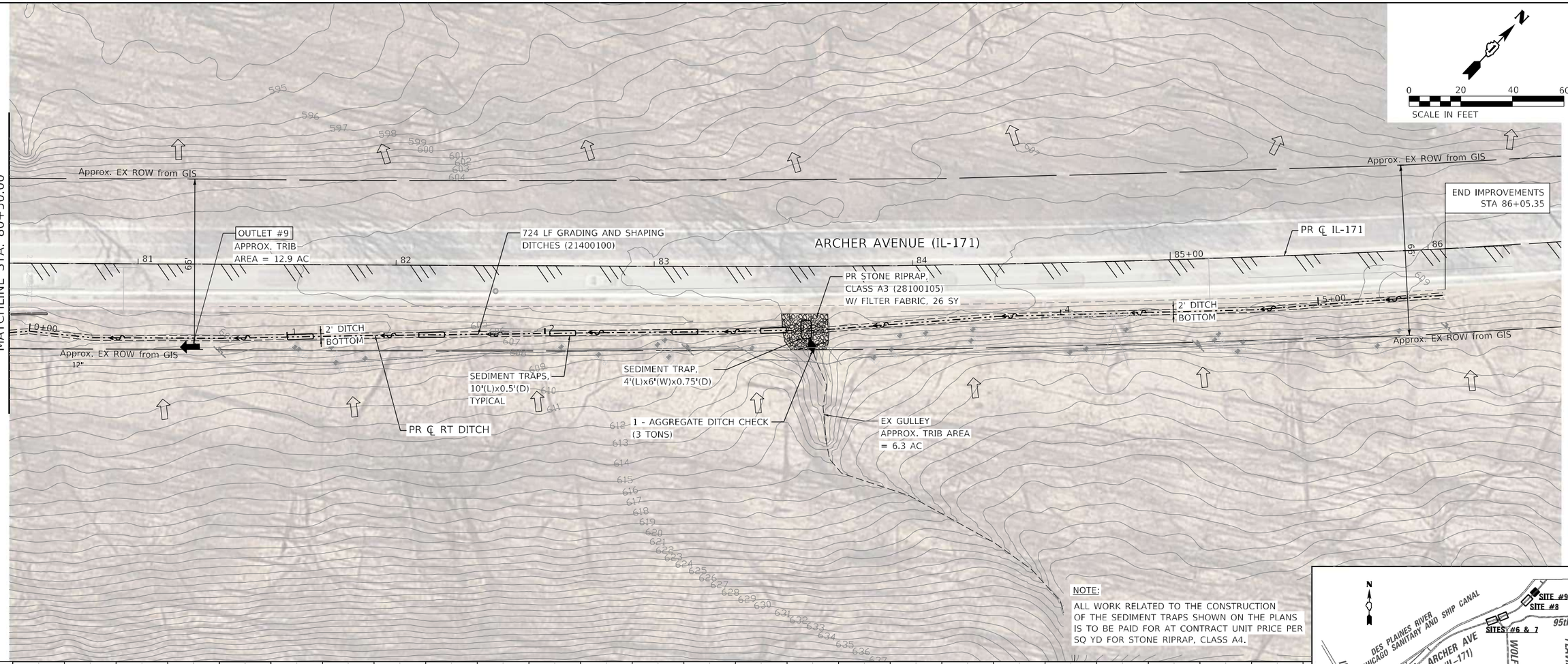




| | | | | |
|---|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** |
| | | DRAWN - JK | REVISED - | |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - | |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - | |

**ARCHER AVE (IL-171)**
**DRAINAGE PLAN AND PROFILE**
**SITE #8 & 9**

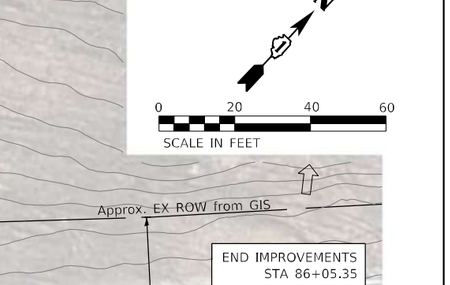
SCALE: 1"=20'H:5'V | SHEET 12 OF 13 SHEETS | STA. 75+00 TO STA. 80+50

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

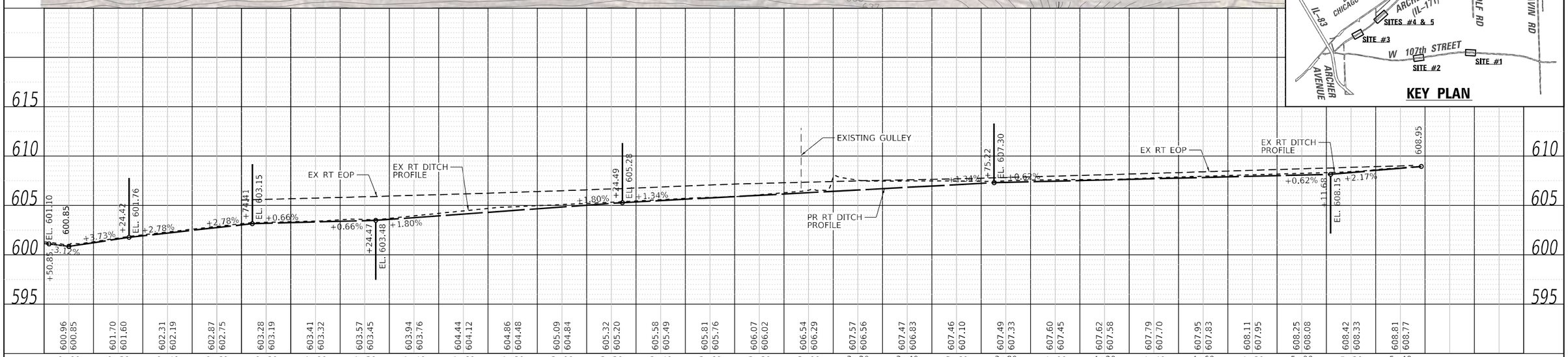



NOTE:

ALL WORK RELATED TO THE CONSTRUCTION OF THE SEDIMENT TRAPS SHOWN ON THE PLANS IS TO BE PAID FOR AT CONTRACT UNIT PRICE PER SQ YD FOR STONE RIPRAP, CLASS A4.




KEY PLAN



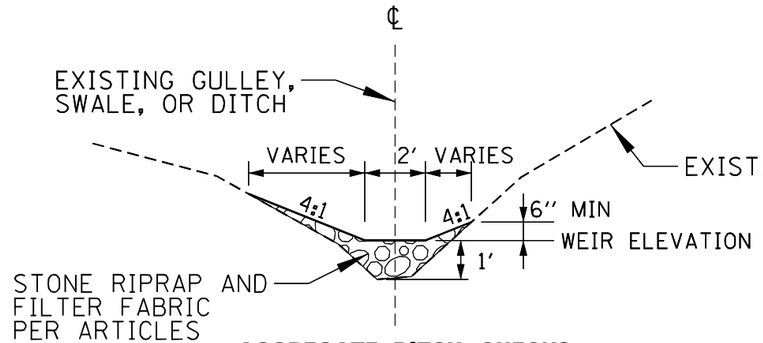

| | | | | |
|---|---|---|---|---|
| LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois | USER NAME = 14nho | DESIGNED - JK | REVISED - | |
| | | DRAWN - JK | REVISED - | |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - ST | REVISED - | |
| | PLOT DATE = 10/2024 | DATE - 12/2025 | REVISED - | |

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

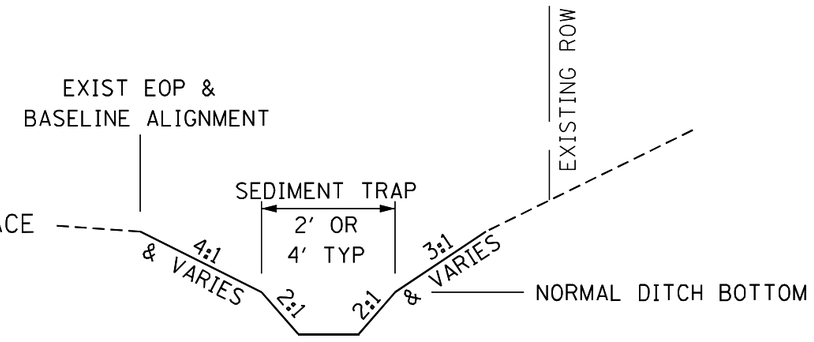
**ARCHER AVE (IL-171)**
**DRAINAGE PLAN AND PROFILE**
**SITE #9**

SCALE: 1"=20'H:5'V | SHEET 13 OF 13 SHEETS | STA. 80+50 | TO STA. 86+05

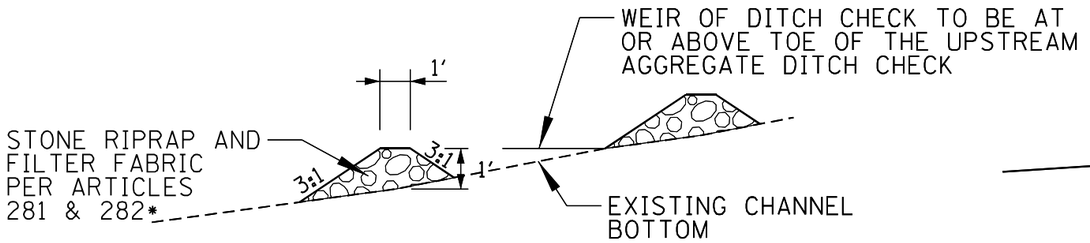
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |



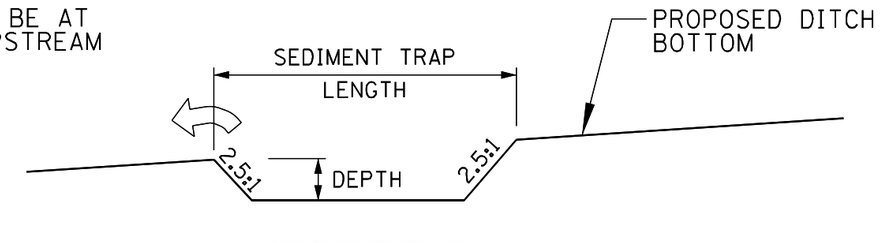

**AGGREGATE DITCH CHECKS**
**TYPICAL CROSS SECTION**



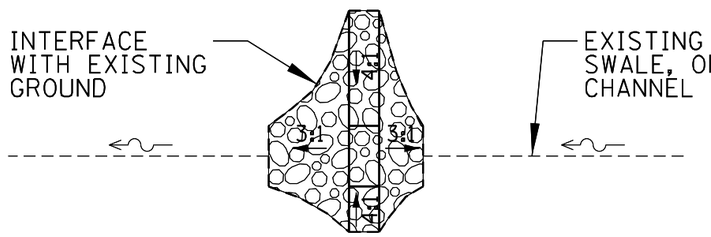

**SEDIMENT TRAP**
**TYPICAL CROSS SECTION**



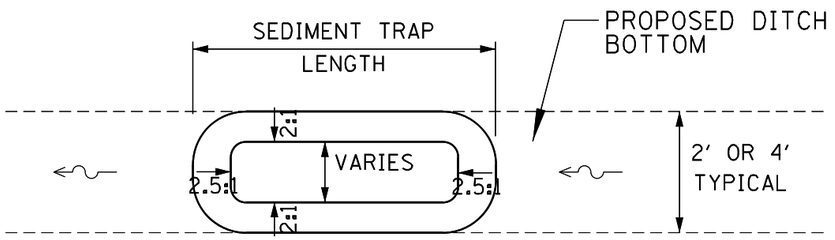

**AGGREGATE DITCH CHECKS**
**TYPICAL PROFILE**




**SEDIMENT TRAP**
**TYPICAL PROFILE**




**AGGREGATE DITCH CHECKS**
**PLAN VIEW**




**SEDIMENT TRAP**
**PLAN VIEW**

*REFERS TO THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 5.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - 09/24/2025 | REVISED - | |

IL RTE 171
CONSTRUCTION DETAILS
SCALE: | SHEET OF SHEETS | STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 77 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

FINAL SURVEY

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

ORIGINAL SURVEY

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

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**101 + 00.00**

CUT = 9.84 S.F.

**100 + 75.00**

CUT = 9.54 S.F.

**100 + 50.00**

CUT = 6.4 S.F.

**100 + 25.00**

CUT = 11.74 S.F.

**100 + 00.00**

CUT = 1.73 S.F.

EX. ROW

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

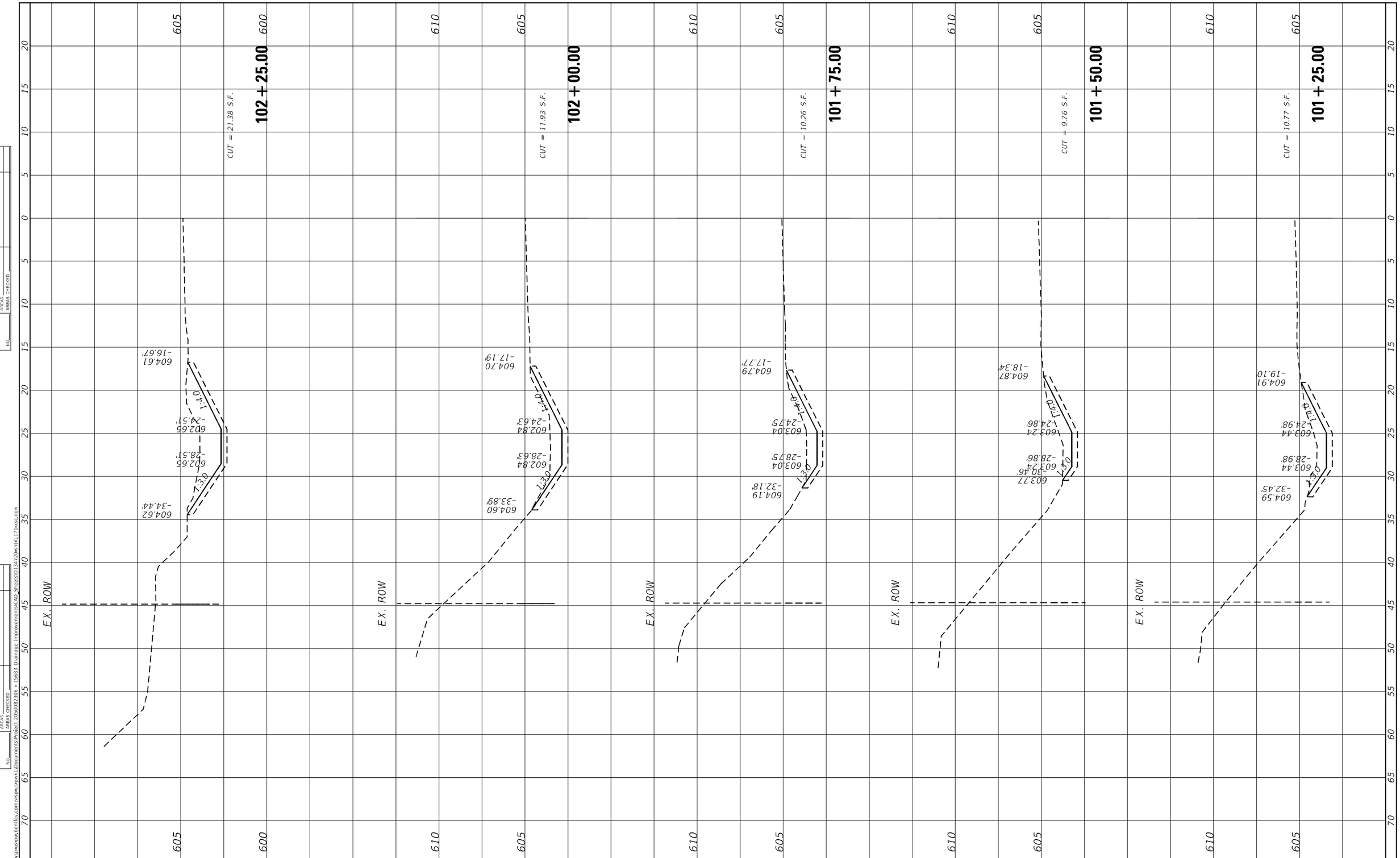
**SITES #1 107TH STREET**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 1 OF 6 SHEETS | STA. 100+00.00 TO STA. 101+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 78 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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




MODEL: Default
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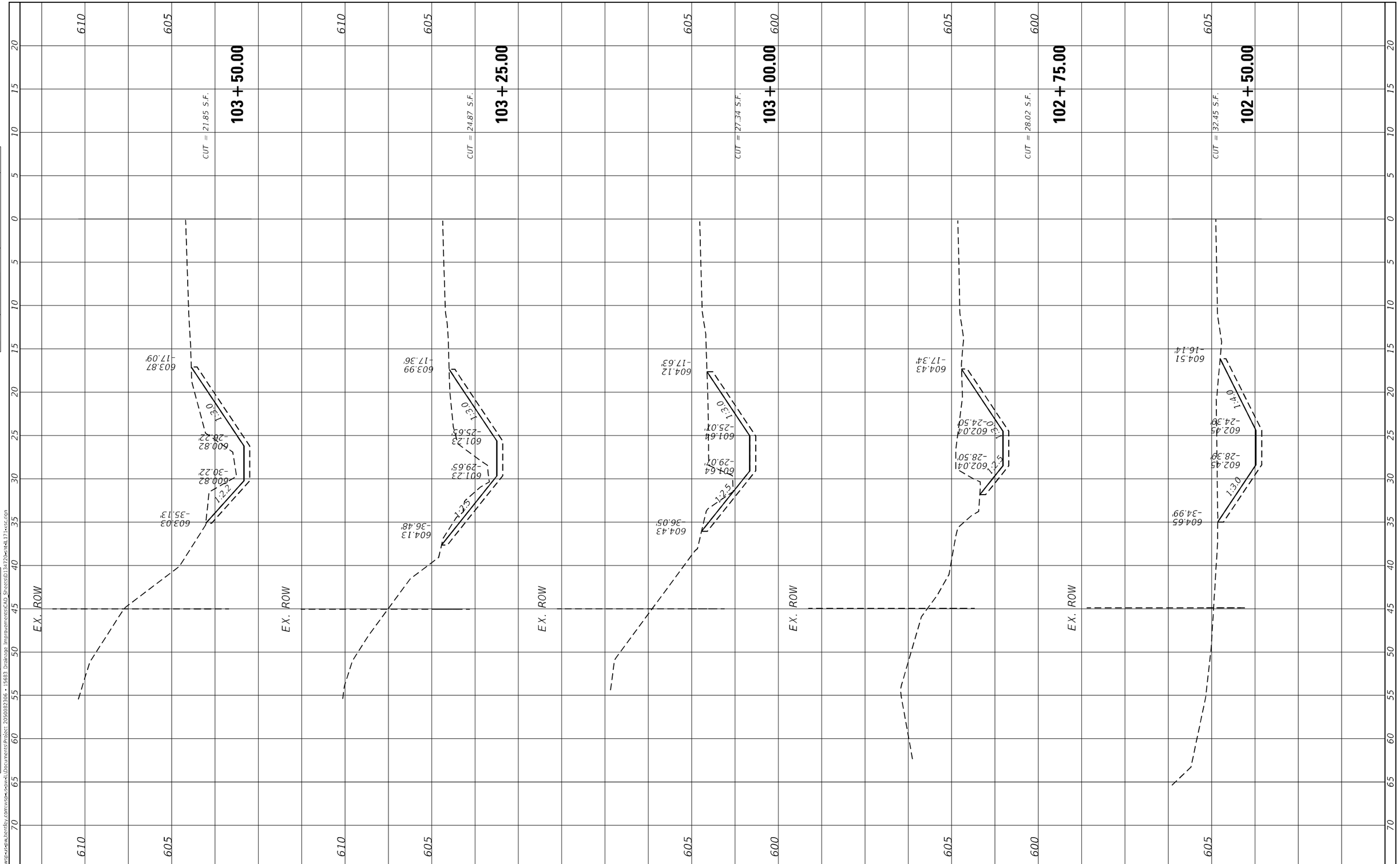
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|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

# SITES #1 107TH STREET
# CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' | SHEET 2 OF 6 SHEETS | STA. 101+25.00 TO STA. 102+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 79 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




FINAL SURVEY

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

ORIGINAL SURVEY

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

MODEL: Default
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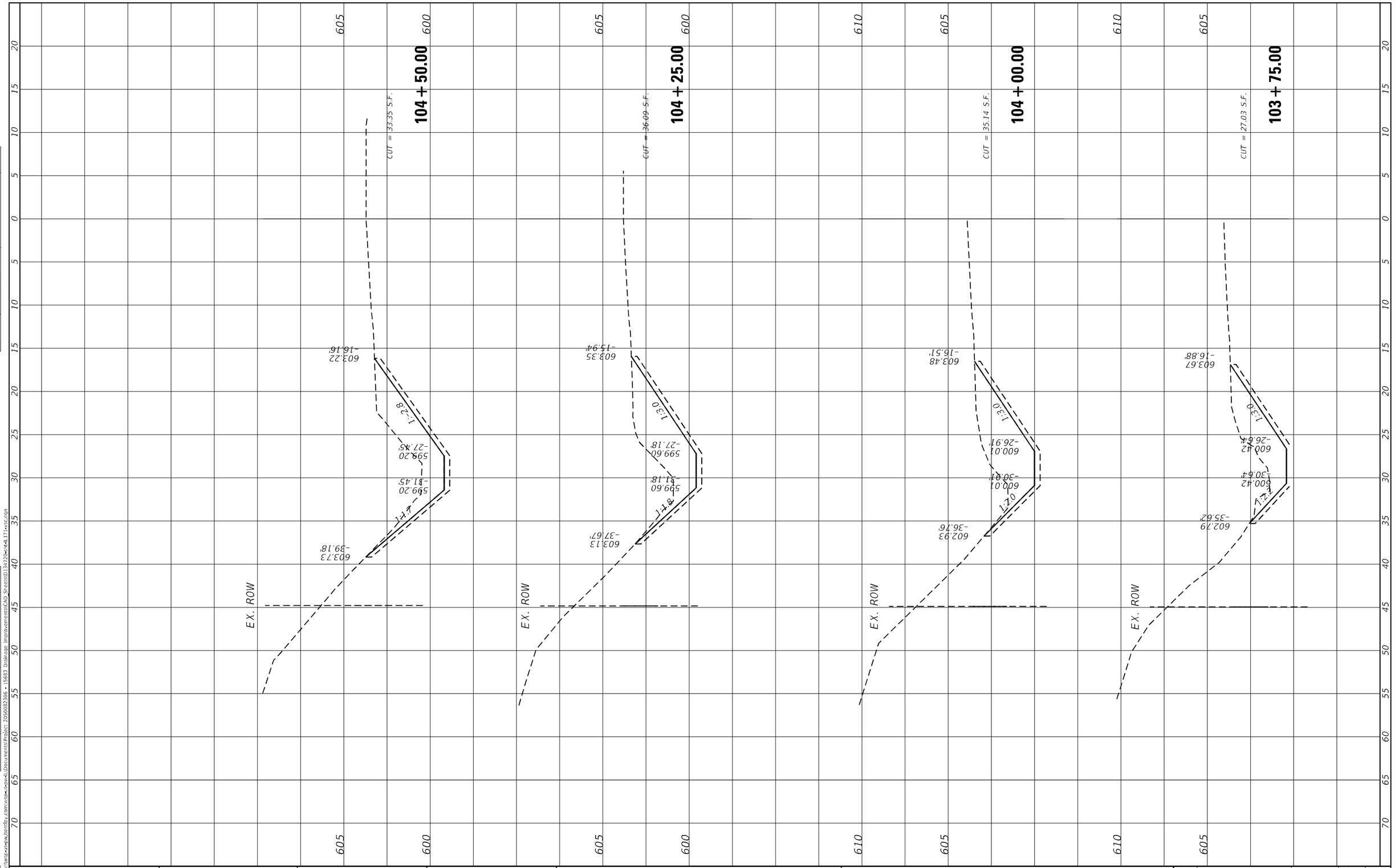
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|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

# SITES #1 107TH STREET
# CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' | SHEET 3 OF 6 SHEETS | STA. 102+50.00 TO STA. 103+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 80 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

MODEL: Default
FILE NAME: pw:\\wsp-usa-pw.bentley.com:wsd-sgw-ILLDocuments\Project 2050082306 • 15683 Drainage Improvements\CAD Sheets\D134720-Int-IL171-ssc.dgn

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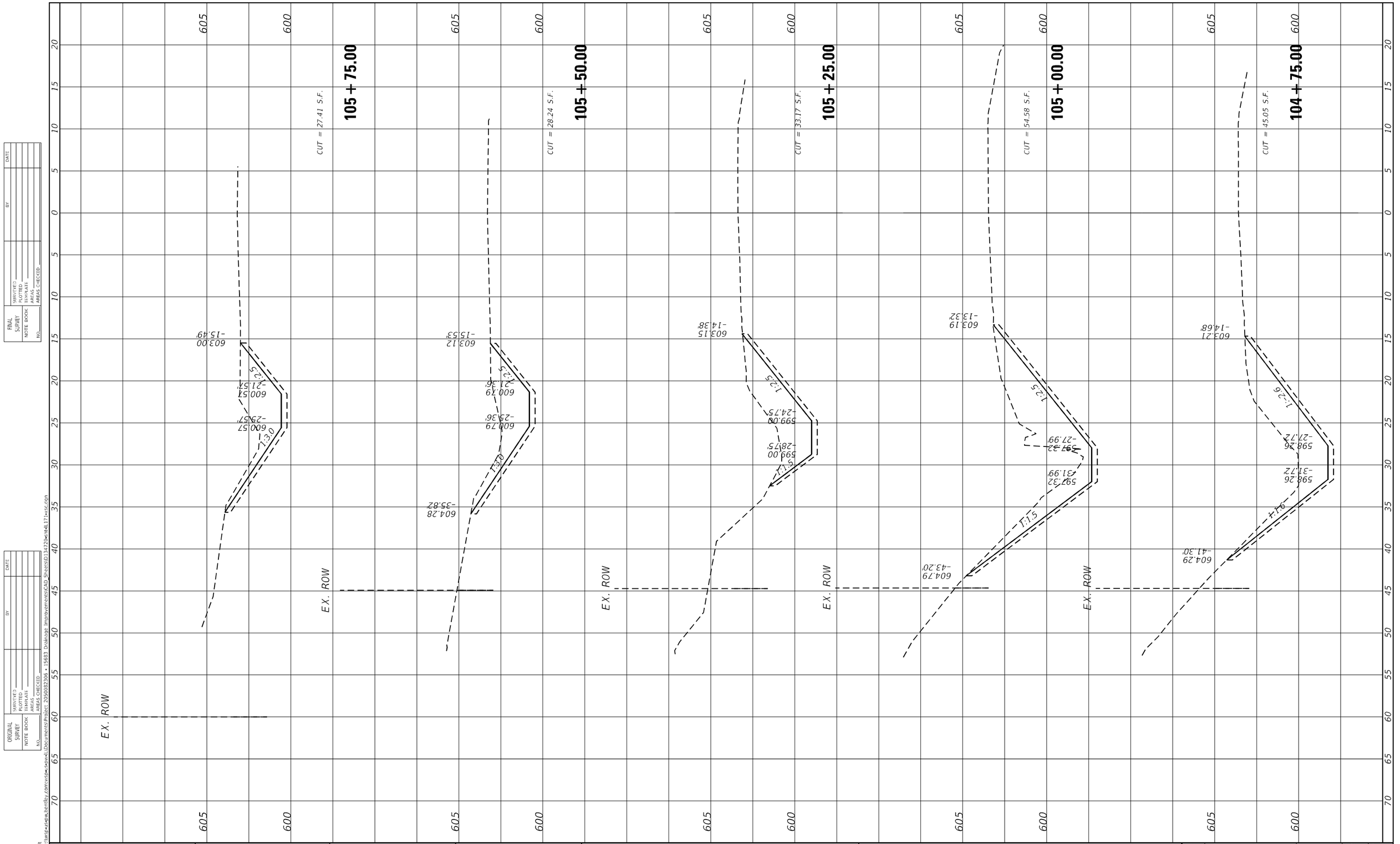
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|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #1 107TH STREET**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 4 OF 6 SHEETS
STA. 103+75.00 TO STA. 104+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 81 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #1 107TH STREET**
**CROSS SECTIONS**

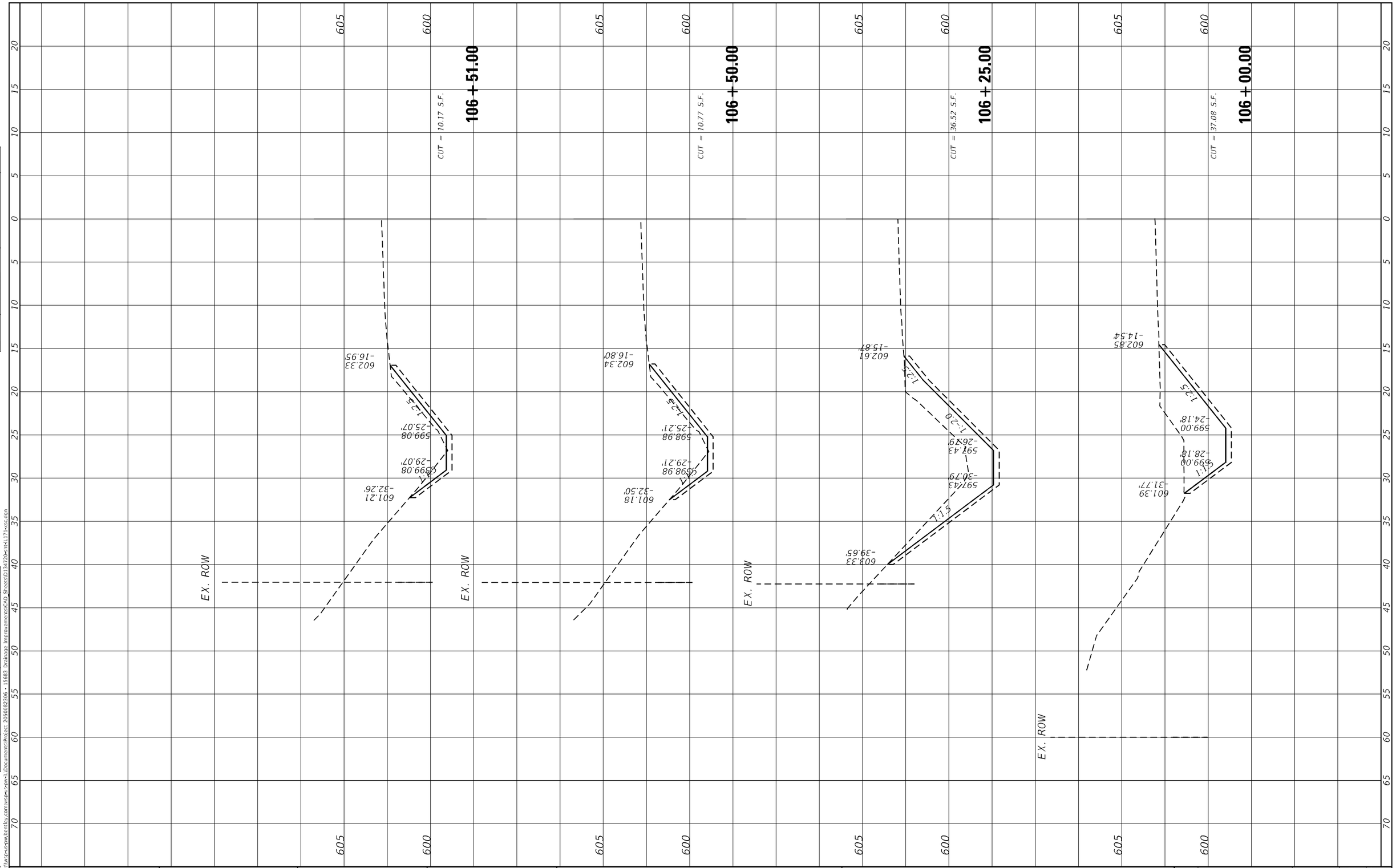
SCALE: H: 1"=10' V: 1"=5' | SHEET 5 OF 6 SHEETS | STA. 104+75.00 TO STA. 105+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 82 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-4\Documents\Project 2090082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-L171-xs.dgn




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|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

**SITES #1 107TH STREET**
**CROSS SECTIONS**

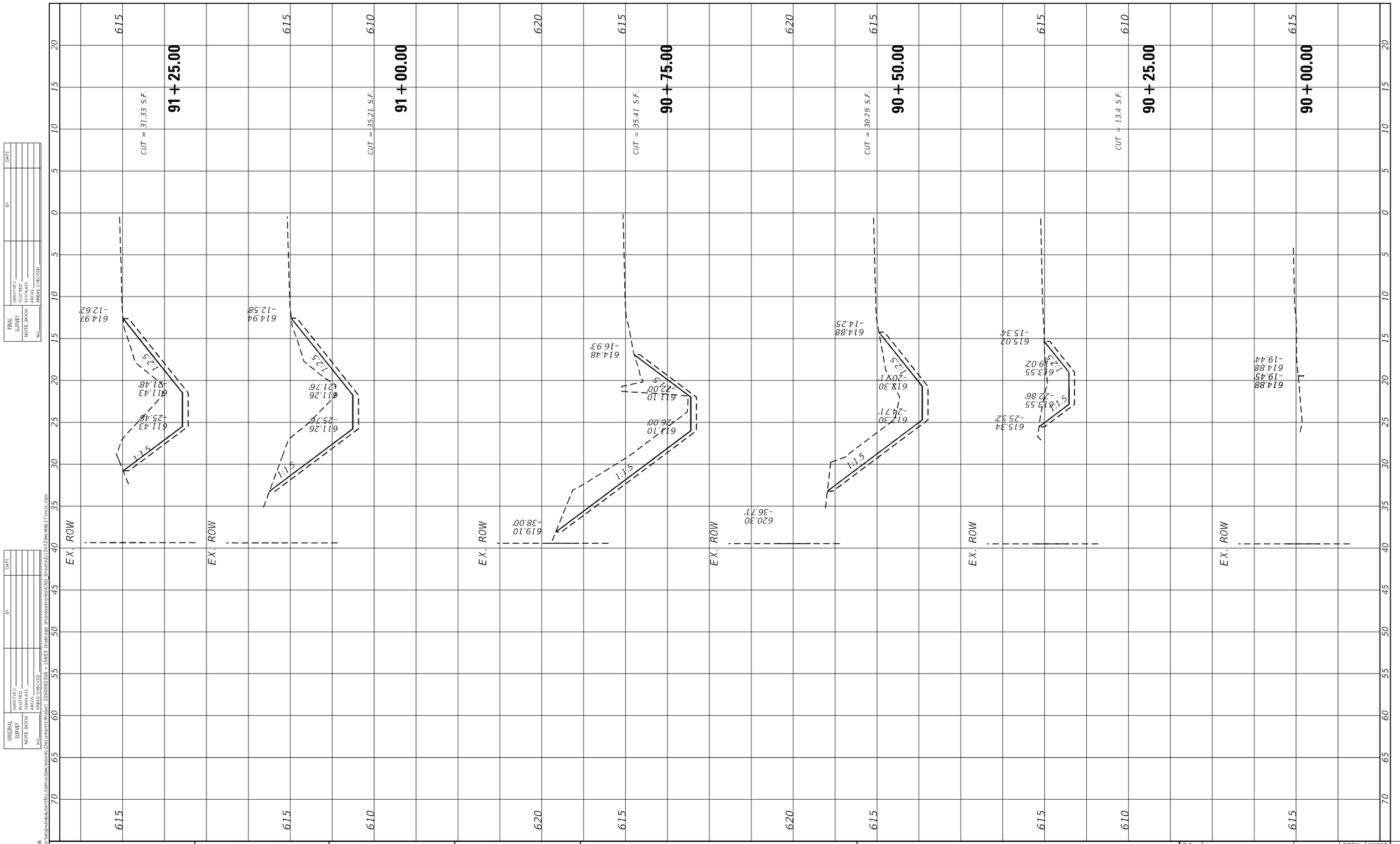
SCALE: H: 1"=10' V: 1"=5' | SHEET 6 OF 6 SHEETS | STA. 106+00.00 TO STA. 106+51.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 83 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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

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

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| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #2 107TH STREET**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 1 OF 6 SHEETS | STA. 90+00.00 | TO STA. 91+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 84 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

**92 + 50.00**

CUT = 27.59 S.F.

615.36
-30.53'

612.24
-24.35'

612.24
-20.33'

614.98
-13.49'

1:1.5

1:1

EX. ROW

**92 + 25.00**

CUT = 26.32 S.F.

615.76
-30.07'

612.08
-24.55'

612.08
-20.55'

614.95
-13.38'

1:1.5

1:1

EX. ROW

**92 + 00.00**

CUT = 25.11 S.F.

615.16
-29.61'

611.92
-24.74'

611.92
-20.74'

614.91
-13.27'

1:1.5

1:1

EX. ROW

**91 + 75.00**

CUT = 50.47 S.F.

611.75
-24.94'

611.75
-20.94'

614.96
-12.92'

1:1.5

1:1

EX. ROW

**91 + 50.00**

CUT = 29.41 S.F.

611.59
-25.20'

611.59
-21.20'

615.00
-12.67'

1:1.5

1:1

EX. ROW

615 610 615 610 615 610 615 610 615 610

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #2 107TH STREET**
**CROSS SECTIONS**

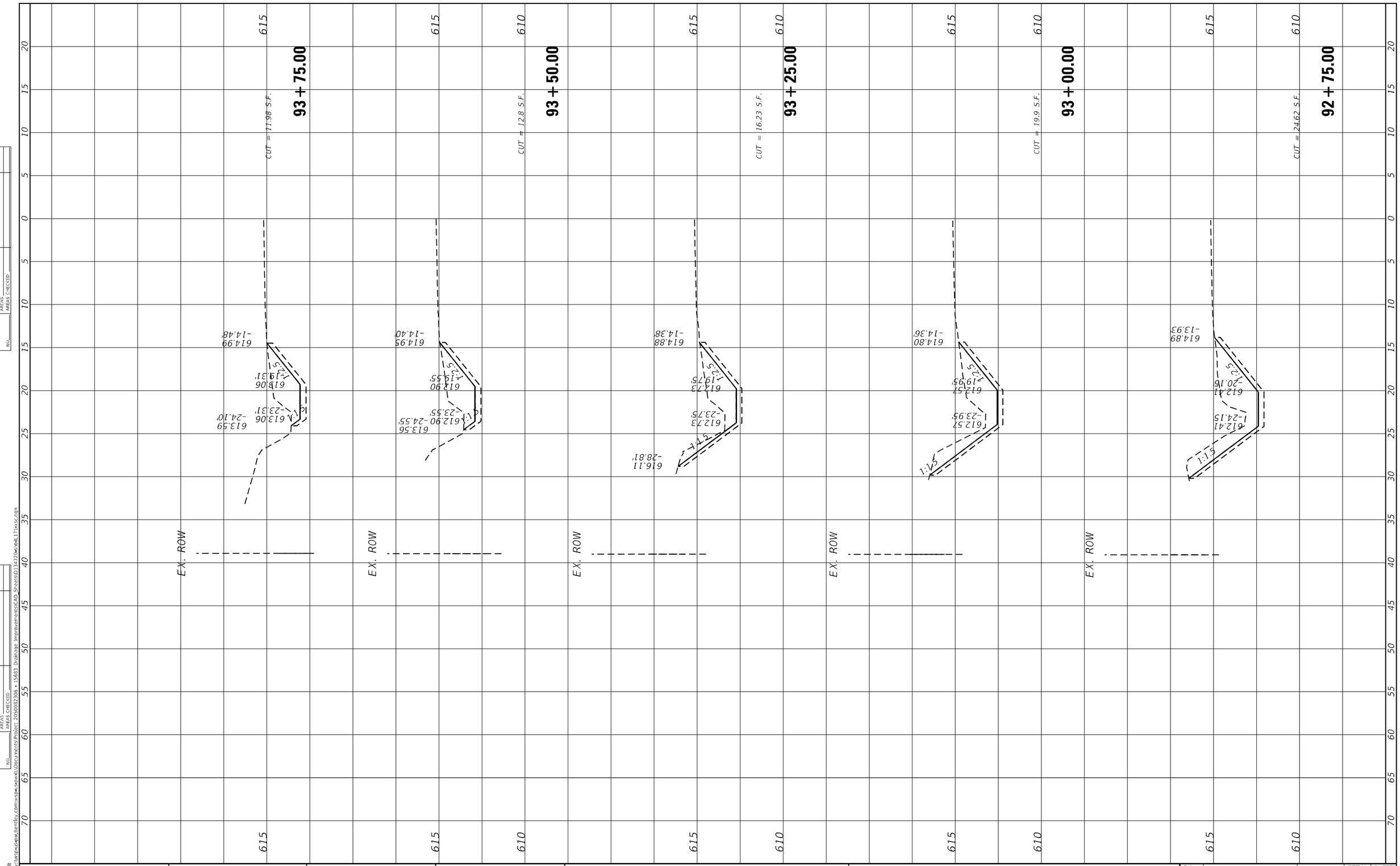
SCALE: H: 1"=10' V: 1"=5' | SHEET 2 OF 6 SHEETS | STA. 91+50.00 TO STA. 92+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 85 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

**SITES #2 107TH STREET**
**CROSS SECTIONS**

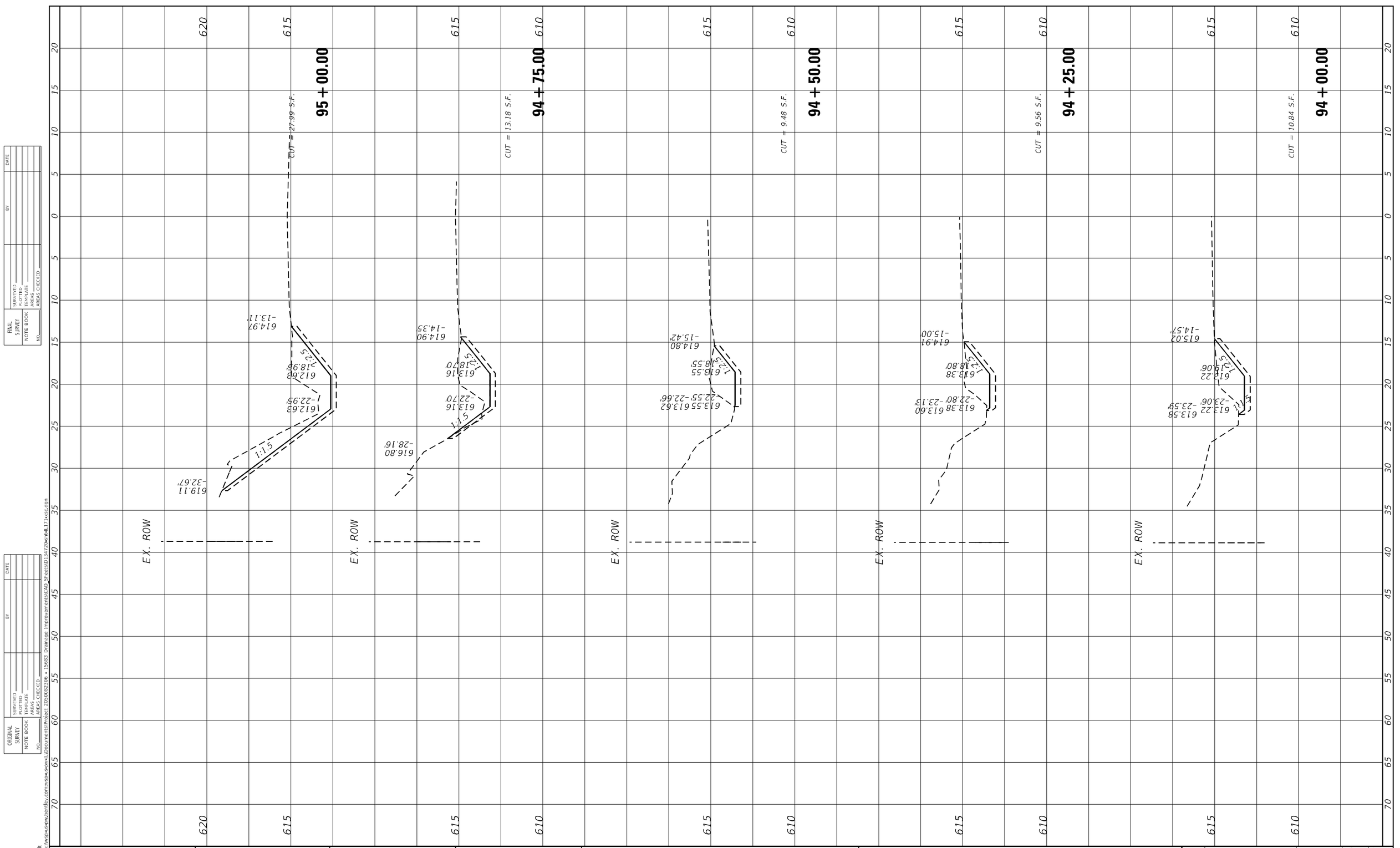
SCALE: H: 1"=10'
V: 1"=5'
SHEET 3 OF 6 SHEETS STA. 92+75.00 TO STA. 93+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 86 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | **STATE OF ILLINOIS** |
| | DRAWN - | REVISED - | **DEPARTMENT OF TRANSPORTATION** |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | **SITES #2 107TH STREET** |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | **CROSS SECTIONS** |

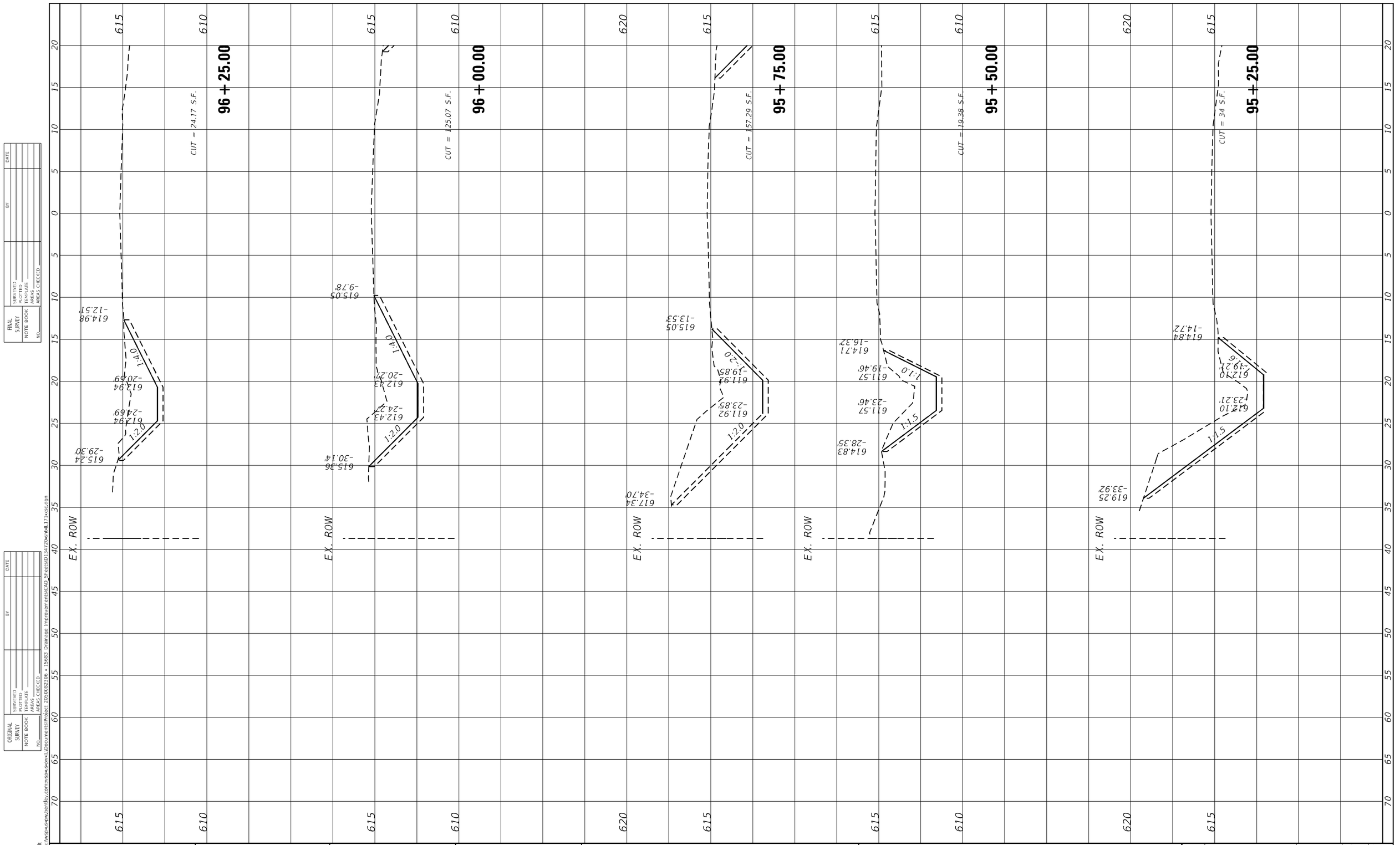
SCALE: H: 1"=10' V: 1"=5' | SHEET 4 OF 6 SHEETS | STA. 94+00.00 TO STA. 95+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 87 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

# SITES #2 107TH STREET
# CROSS SECTIONS

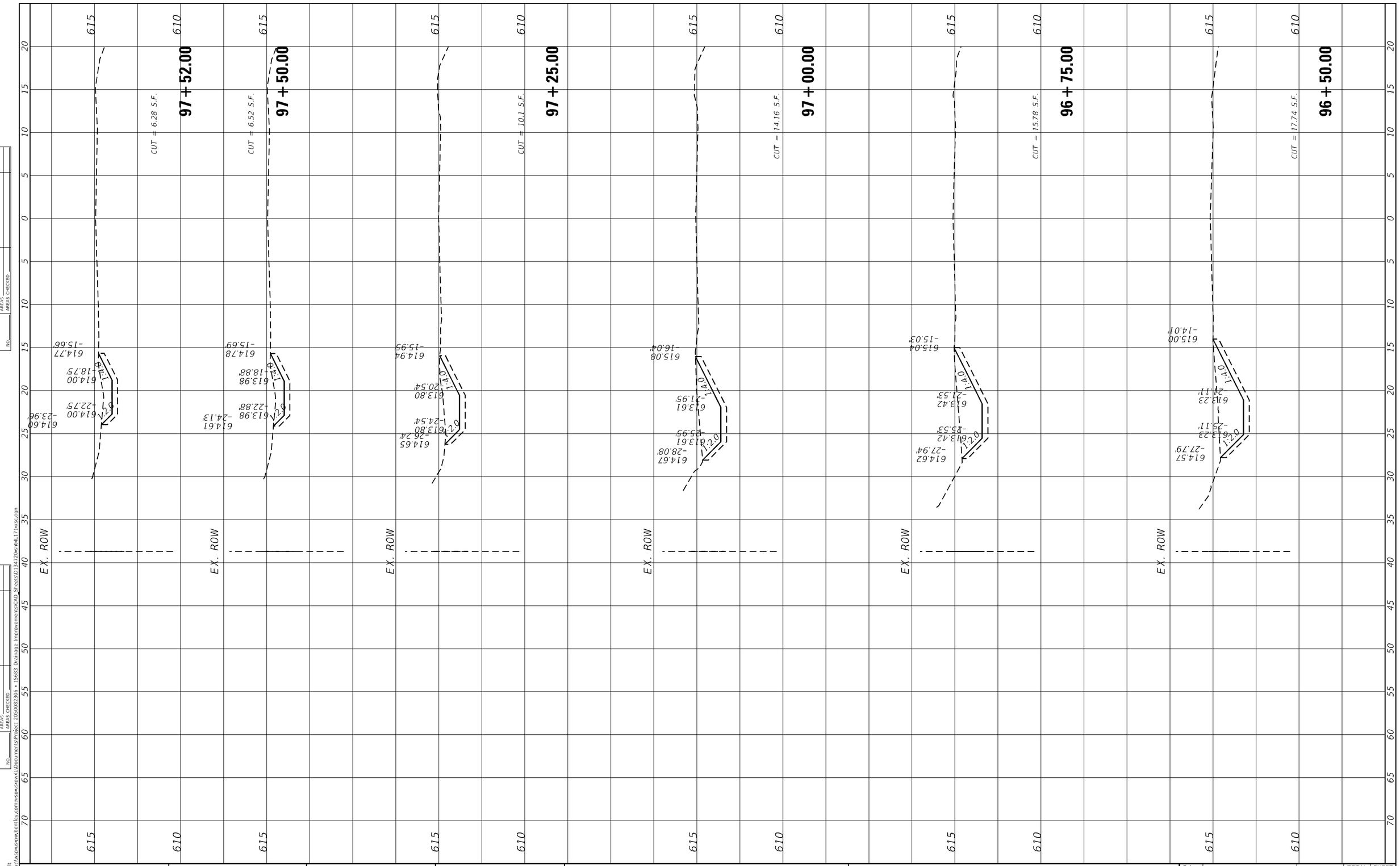
SCALE: H: 1"=10' V: 1"=5' | SHEET 5 OF 6 SHEETS | STA. 95+25.00 TO STA. 96+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 88 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

**SITES #2 107TH STREET**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 6 OF 6 SHEETS STA. 96+50.00 TO STA. 97+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 89 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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

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

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:ws0m-sspw-fil\Documents\Project 2050082306 • 15683 Drainage Improvements\CAD_Sheets\SD134720-ill-4l171-ssc.com

EX. ROW

**10+75.00**

CUT = 11.63 S.F.

**10+64.00**

CUT = 7.92 S.F.

**10+50.00**

**10+46.00**

CUT = 13.68 S.F.

**10+25.00**

CUT = 5.47 S.F.

**10+00.00**

CUT = 1.99 S.F.

610 605

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

608.96 29.69'
+2.0
606.01 23.79'
0.2%
608.29 17.24'

609.71 30.77'
-1.20
606.08 23.50'
-2.7%
608.50 16.66'

608.20 27.93'
-1.20
606.98 23.50'
-2.7%
608.28 20.90'

608.20 27.93'
+2.0
606.98 25.50'
-2.7%
608.28 20.90'

608.95 19.75'
-1.20
607.93 21.80'
-2.7%
608.47 23.80'
24.88'

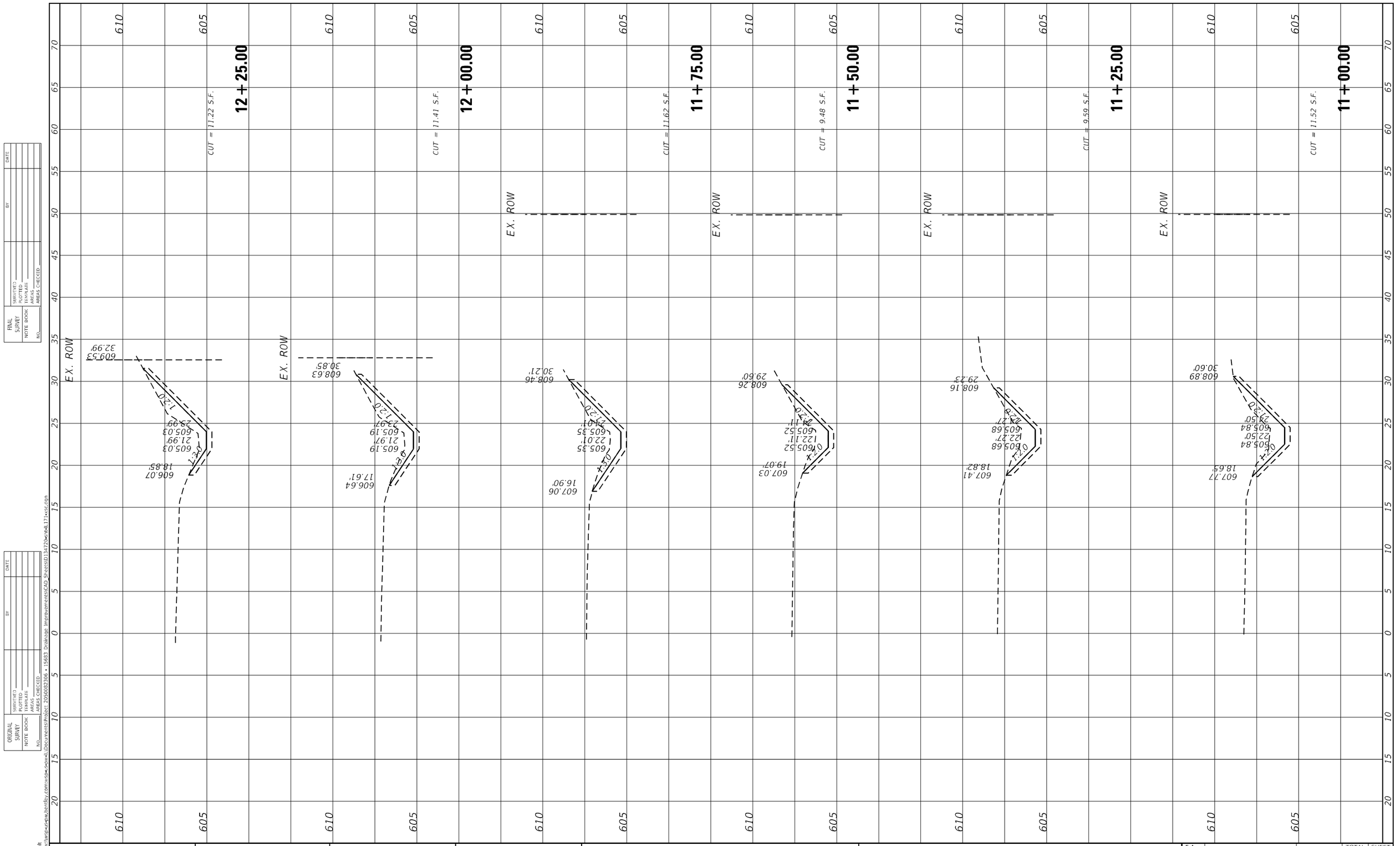
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

# SITES #3 IL RTE 171
## CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' | SHEET 1 OF 6 SHEETS | STA. 10+00.00 TO STA. 10+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 90 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

MODEL: Default
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| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #3 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 2 OF 6 SHEETS | STA. 11+00.00 | TO STA. 12+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 91 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

**13 + 50.00**

CUT = 7.99 S.F.

EX. ROW

608.05 30.56'

603.28 21.07' 20.73'

603.06 23.07'

603.06 1:1.5

**13 + 25.00**

CUT = 9.29 S.F.

EX. ROW

607.74 30.61'

604.93 19.87'

603.43 22.13'

603.43 24.13'

603.43 1:1.5

**13 + 00.00**

CUT = 0.85 S.F.

EX. ROW

603.87 603.97 22.60' 22.46'

603.87 604.00 24.60' 24.84'

**12 + 75.00**

CUT = 11.08 S.F.

EX. ROW

607.51 30.82'

604.27 22.33'

604.27 24.33'

604.27 1:2.0

606.22 16.48'

606.22 1:3.0

**12 + 50.00**

CUT = 9.66 S.F.

EX. ROW

608.09 30.97'

605.57 19.40'

604.67 22.12'

604.67 24.12'

604.67 1:2.0

604.67 0.67:1

MODEL: Default
FILE NAME: p:\wsp-usp\w.bentley.com:wsp-sp\w\Documents\Project 2050082306 • 15683 Drainage Improvements\CAD Sheets\D134720•IH4L171•sSc.dgn

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #3 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 3 OF 6 SHEETS | STA. 12+50.00 TO STA. 13+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 92 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

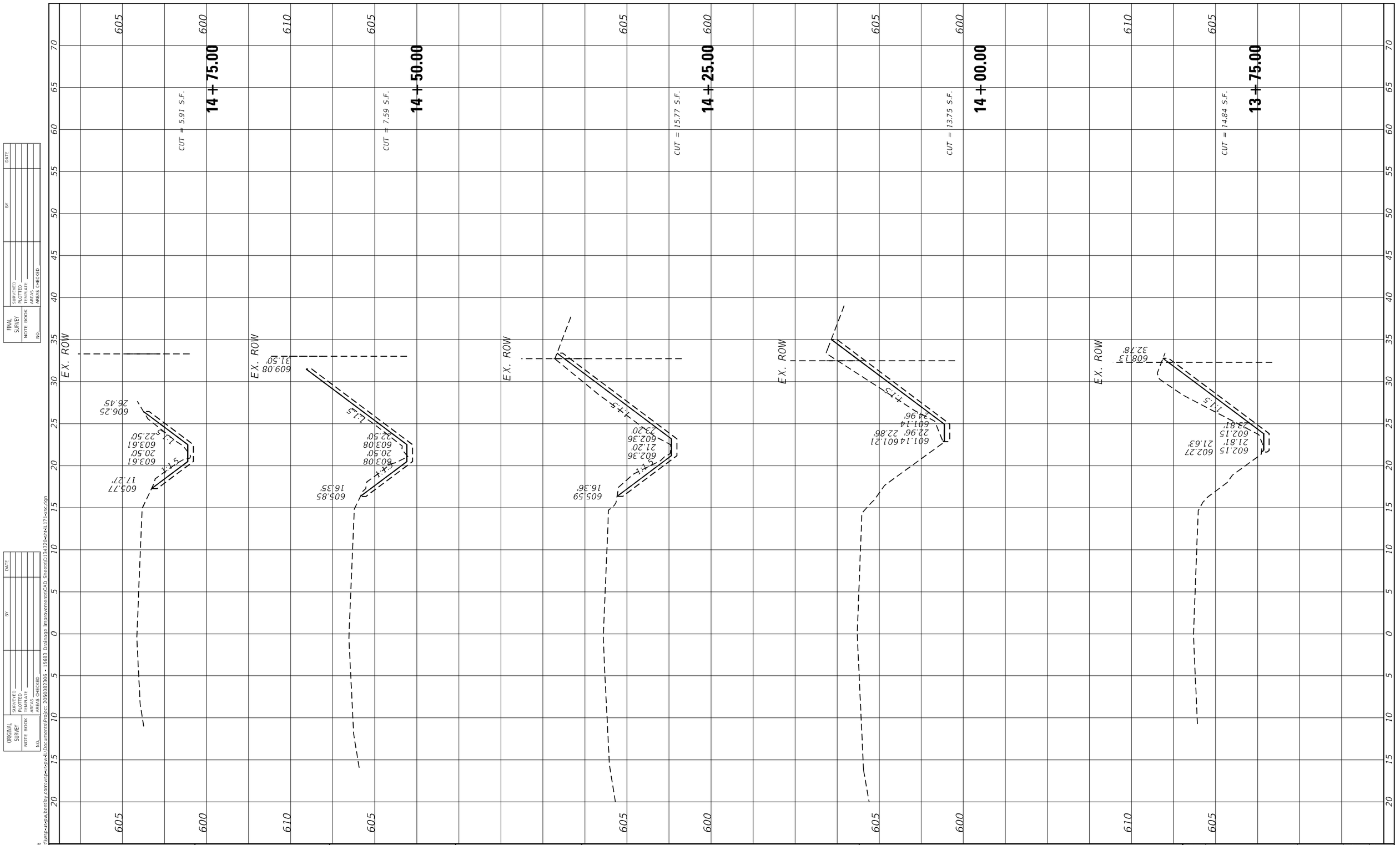
FINAL SURVEY

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

ORIGINAL SURVEY

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

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| | | | |
|---|---|---|---|
| wsp | USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| 5+75.00 | PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

# SITES #3 IL RTE 171
## CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' | SHEET 4 OF 6 SHEETS | STA. 13+75.00 TO STA. 14+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 93 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

FINAL SURVEY

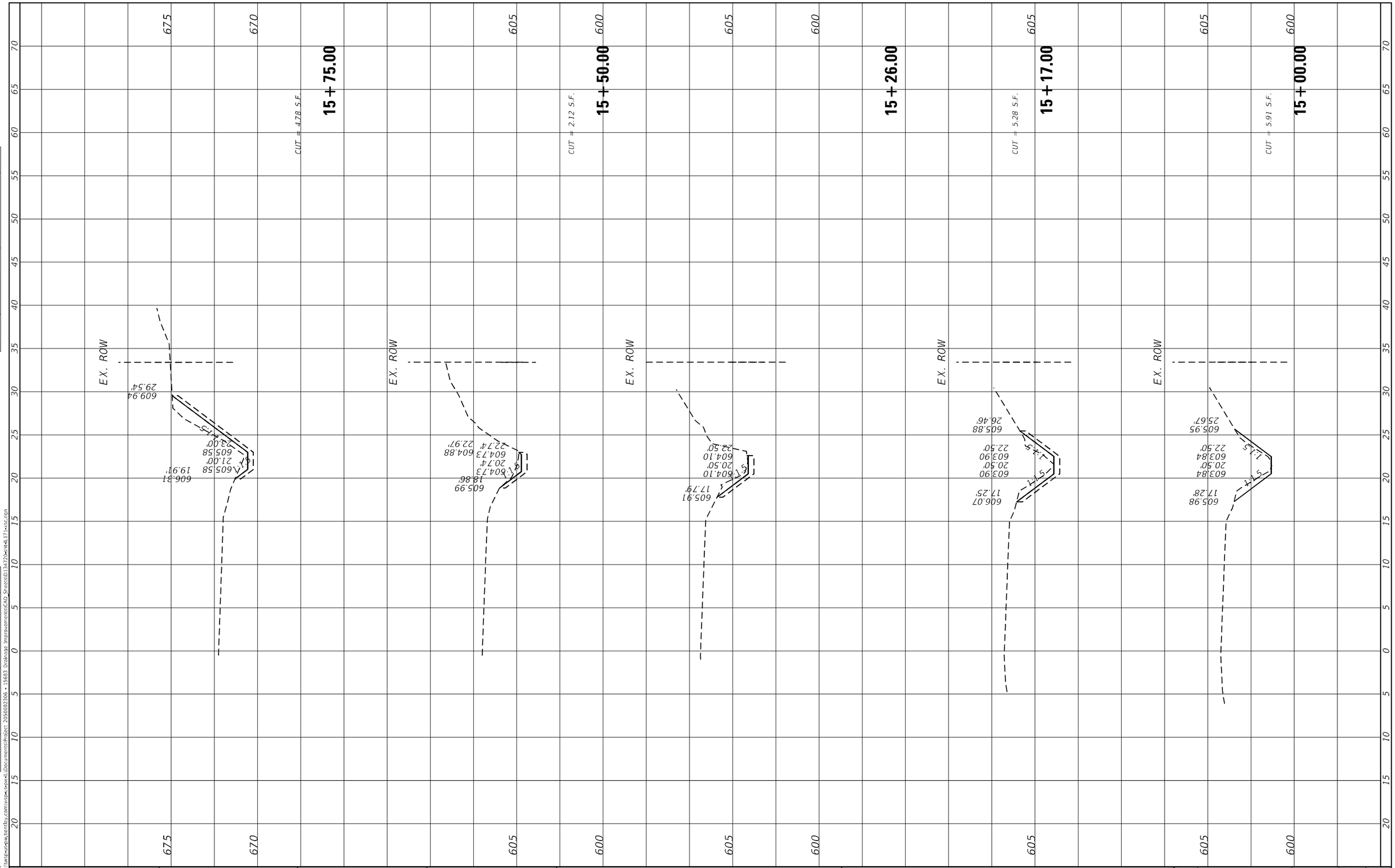
| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
| AREAS CHECKED | | |

NOTE BOOK
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ORIGINAL SURVEY

| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
| AREAS CHECKED | | |

NOTE BOOK
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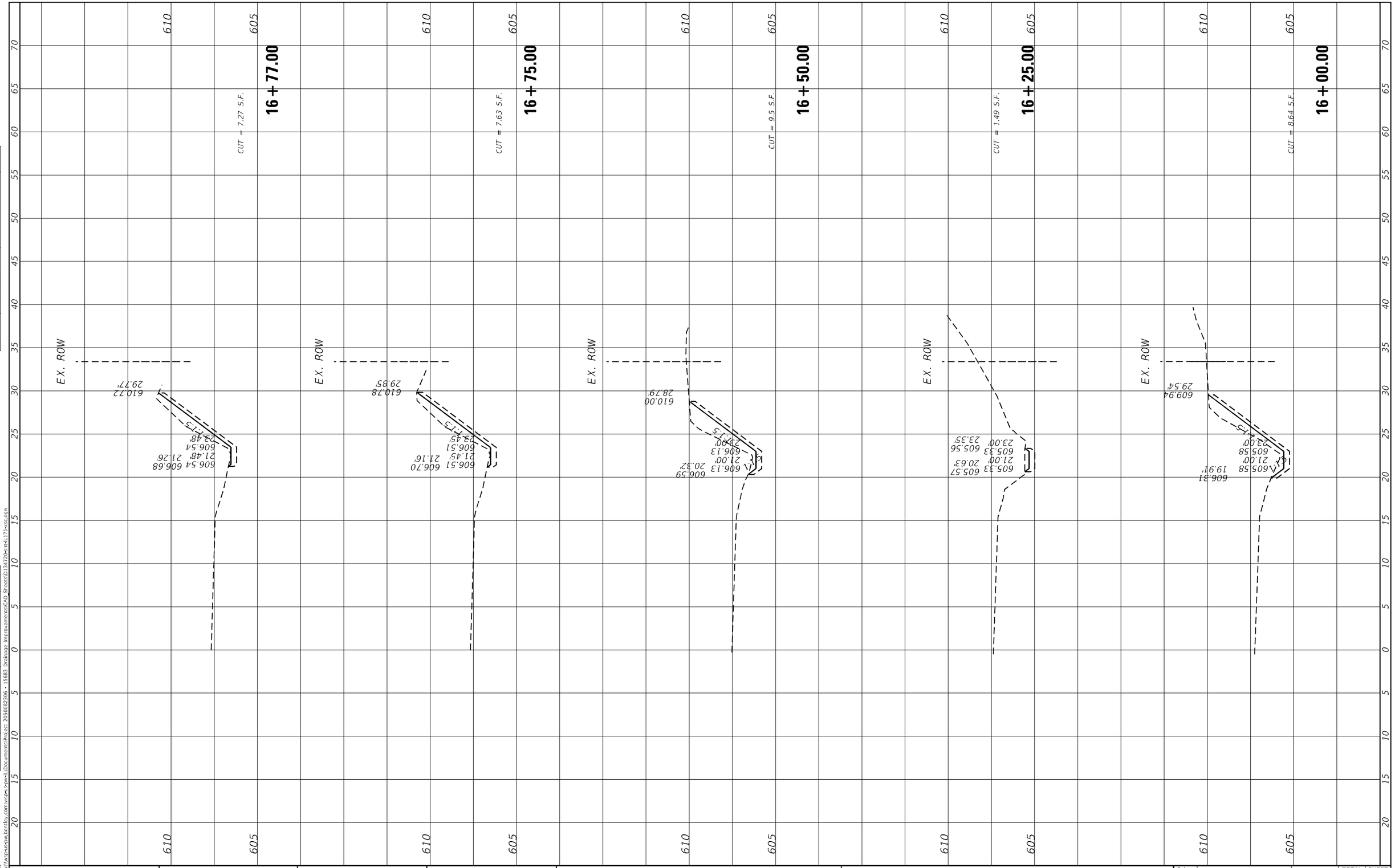
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|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #3 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 5 OF 6 SHEETS | STA. 15+00.00 TO STA. 15+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 94 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |




| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #3 IL RTE 171**
**CROSS SECTIONS**

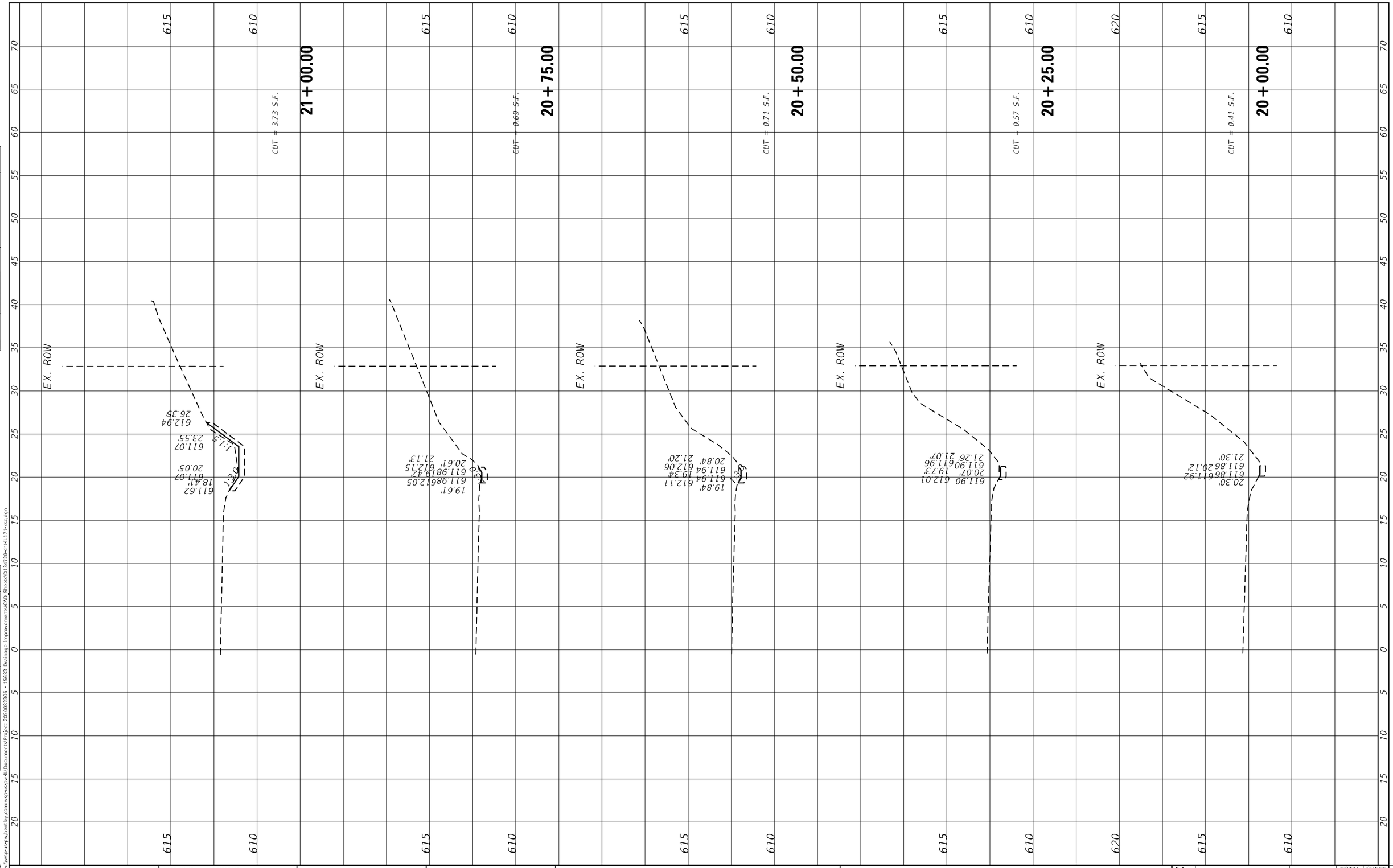
SCALE: H: 1"=10' V: 1"=5' | SHEET 6 OF 6 SHEETS | STA. 16+00.00 TO STA. 16+77.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 95 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

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

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

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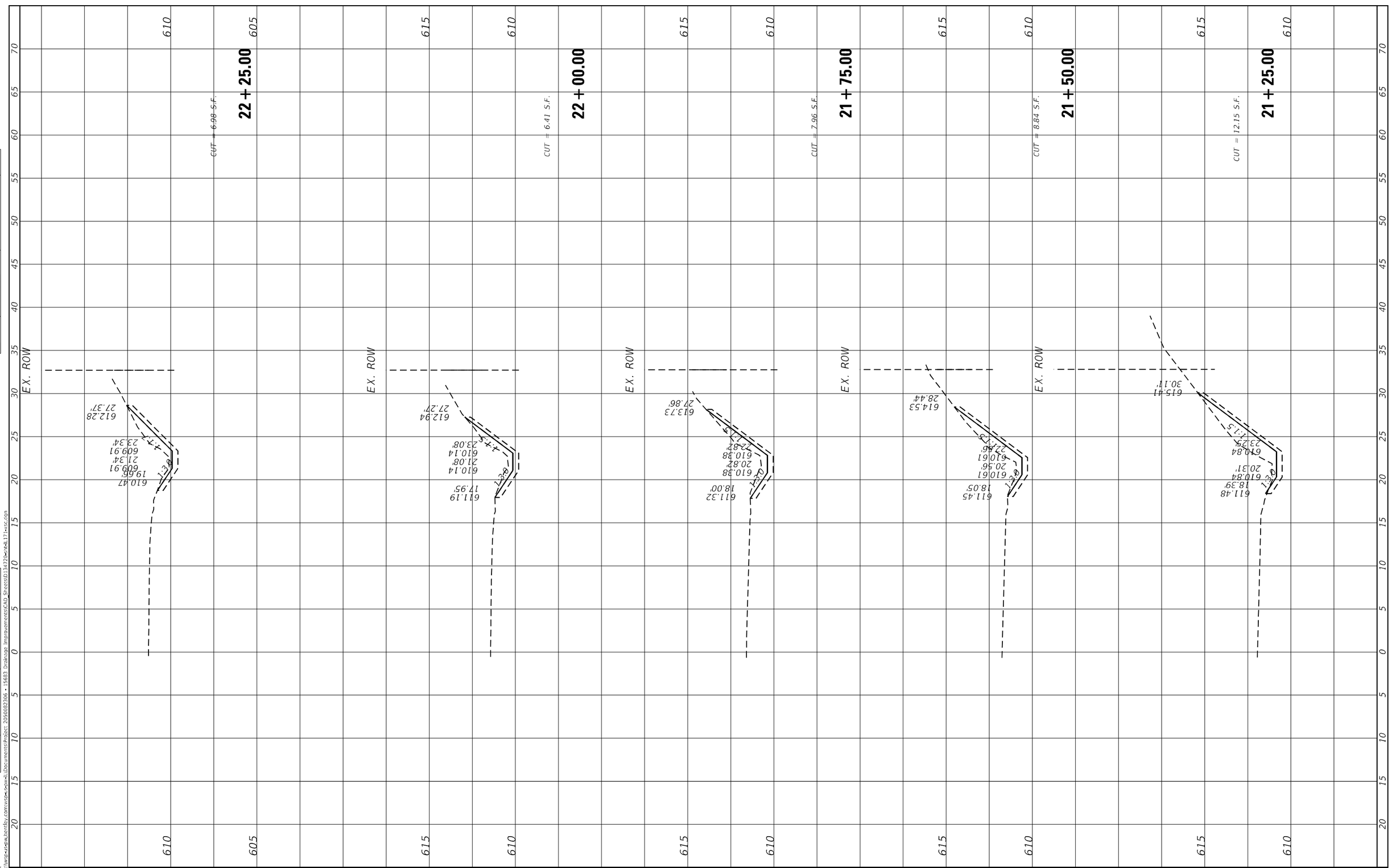
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #4 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 1 OF 7 SHEETS STA. 20+00.00 TO STA. 21+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 96 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #4 IL RTE 171**
**CROSS SECTIONS**

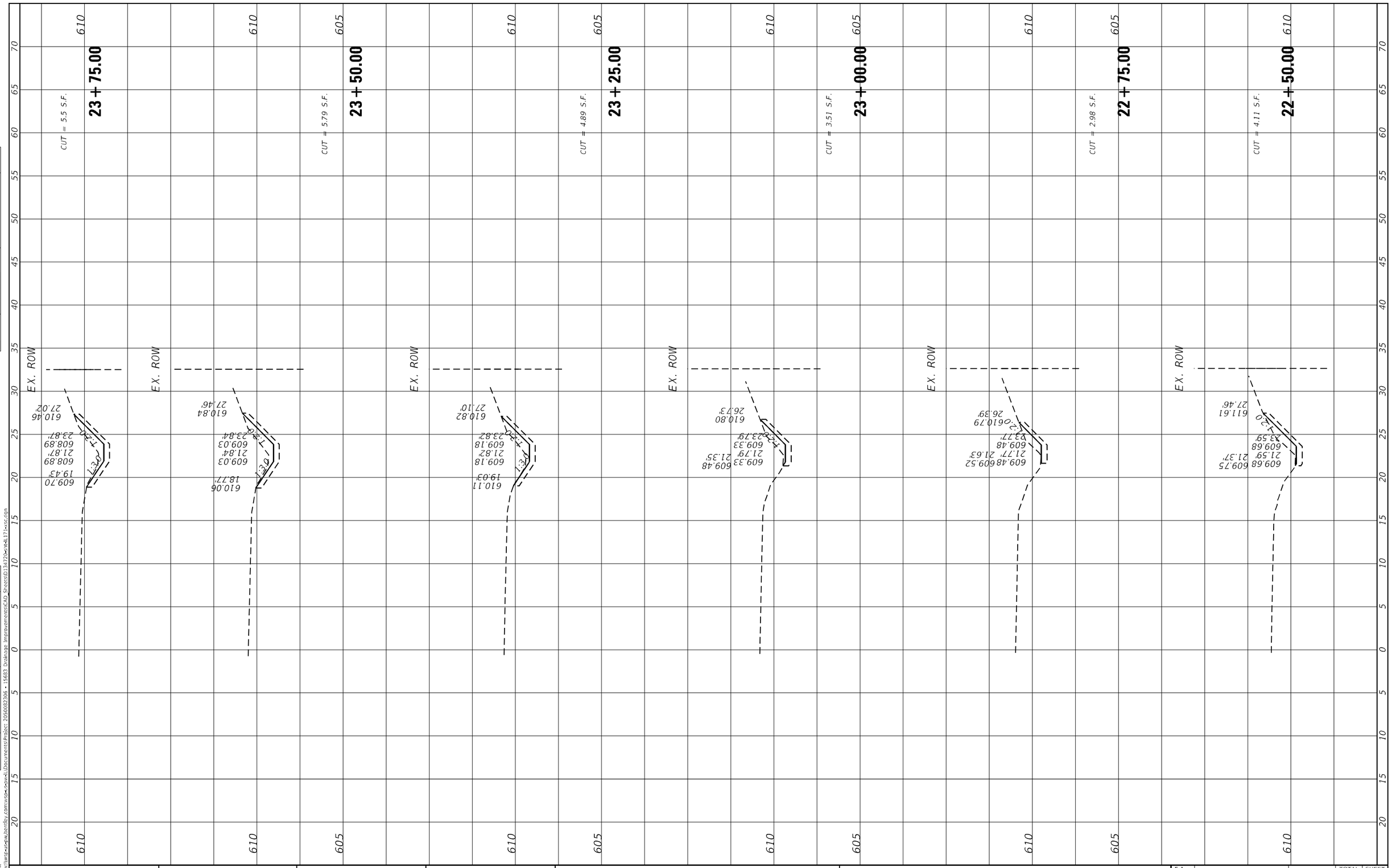
SCALE: H: 1"=10'
V: 1"=5'
SHEET 2 OF 7 SHEETS STA. 21+25.00 TO STA. 22+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 97 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #4 IL RTE 171**
**CROSS SECTIONS**

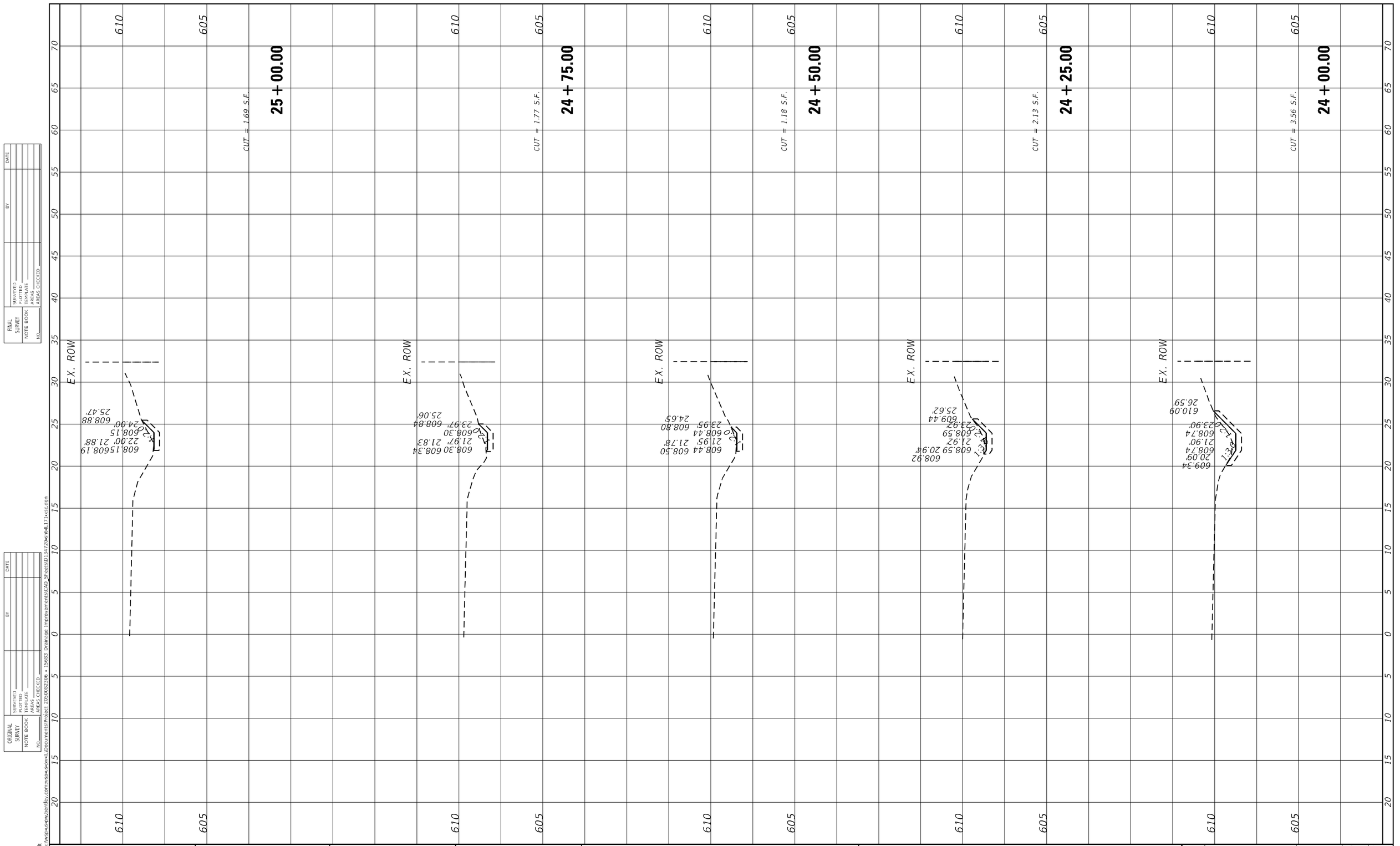
SCALE: H: 1"=10' V: 1"=5' | SHEET 3 OF 7 SHEETS | STA. 22+50.00 | TO STA. 23+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 98 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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FINAL SURVEY

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

ORIGINAL SURVEY

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

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|---|---|---|
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| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #4 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 4 OF 7 SHEETS | STA. 24+00.00 | TO STA. 25+00.00

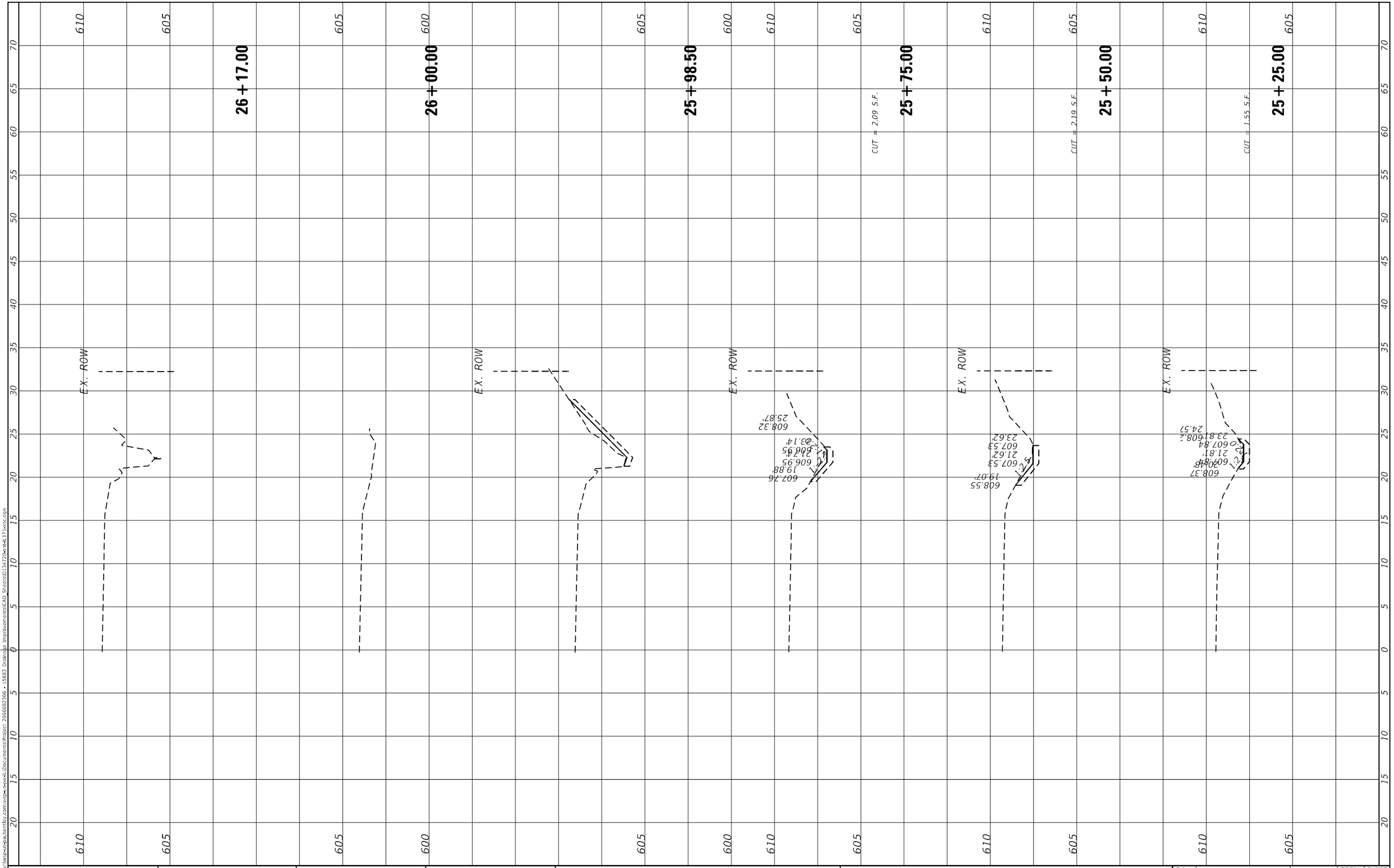
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 99 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | |
|---|---|
| NOTE BOOK | |
| NO. | |

| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
| AREAS CHECKED | | |

| ORIGINAL SURVEY | |
|---|---|
| NOTE BOOK | |
| NO. | |

| | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| AREAS | | |
| AREAS CHECKED | | |




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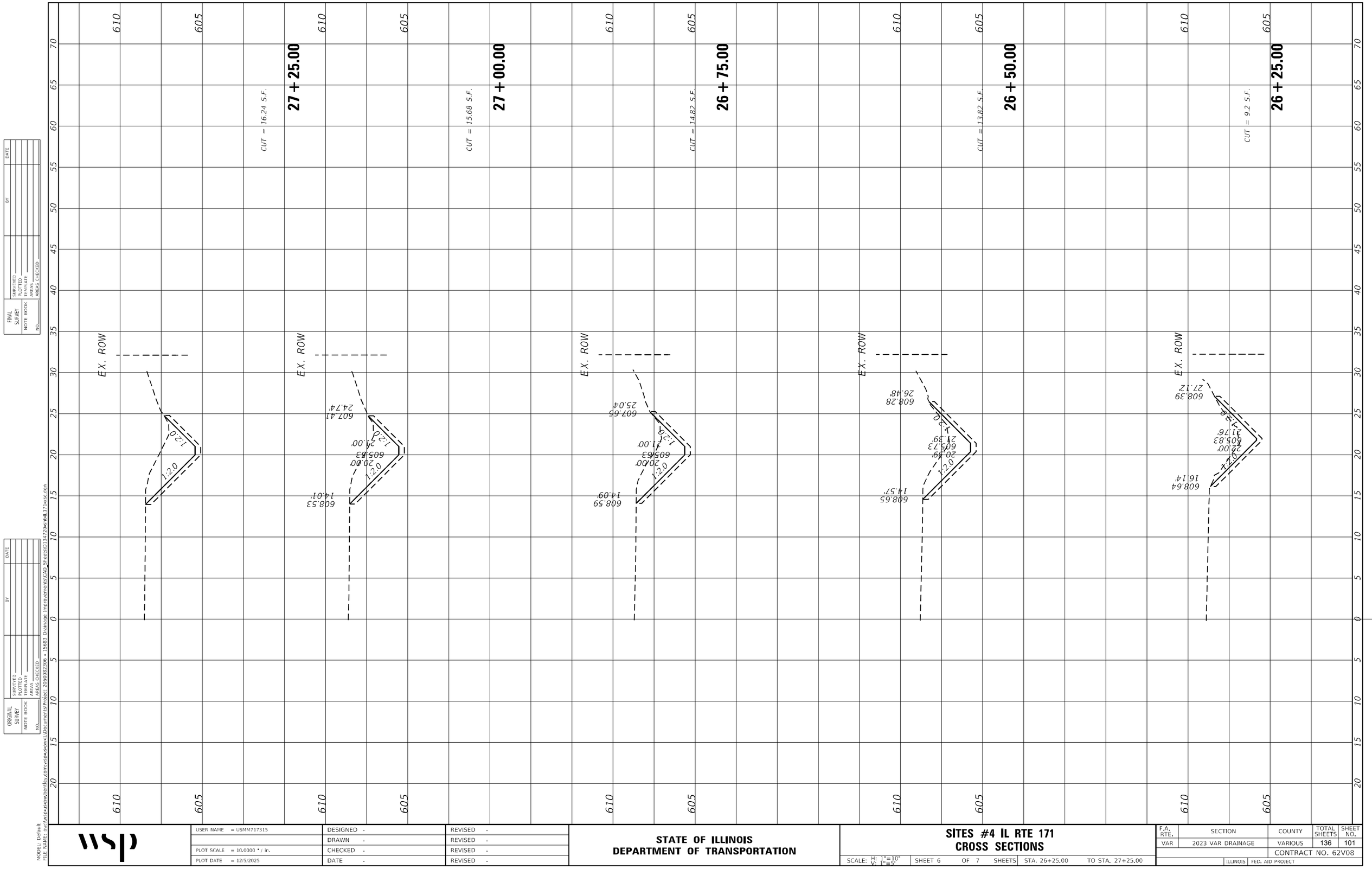
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| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #4 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 5 OF 7 SHEETS | STA. 25+25.00 TO STA. 26+17.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 100 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

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|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #4 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 6 OF 7 SHEETS | STA. 26+25.00 | TO STA. 27+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 101 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

**28+50.00**

CUT = 14.25 S.F.

**28+46.00**

CUT = 17.75 S.F.

**28+25.00**

CUT = 19.16 S.F.

**28+00.00**

CUT = 22.13 S.F.

**27+75.00**

CUT = 23.32 S.F.

**27+50.00**

CUT = 16.87 S.F.

EX. ROW

608.54'
36.61'
25.49'
603.48'
26.49'
607.84'
16.77'

1:2.0

0.2%

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #4 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 7 OF 7 SHEETS | STA. 27+50.00 TO STA. 28+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 102 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

EX. ROW

606.65
20.26'
605.16
23.50'
605.16
24.50'
607.22
27.60'
S:1.5
S:1:1

CUT = 5.07 S.F.

32 + 00.00

EX. ROW

607.34
17.82'
604.26
22.44'
604.26
24.44'
606.78
28.22'
S:1.5
S:1:1

CUT = 12.29 S.F.

31 + 75.00

EX. ROW

604.90
21.04'
603.63
22.94'
603.63
24.94'
606.00
28.48'
S:1.5
S:1:1

CUT = 4.29 S.F.

31 + 50.00

EX. ROW

603.27
24.92
602.81
25.62'
602.81
27.62'
605.68
30.98'
S:1.5
S:1:1

CUT = 3.9 S.F.

31 + 25.00

EX. ROW

607.00
19.60'
603.45
26.74'
602.24
27.31'
603.45
28.53'
S:1.5
S:1:1

CUT = 6.89 S.F.

31 + 21.20

605 600 605 600 605 600 605 600 605

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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

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

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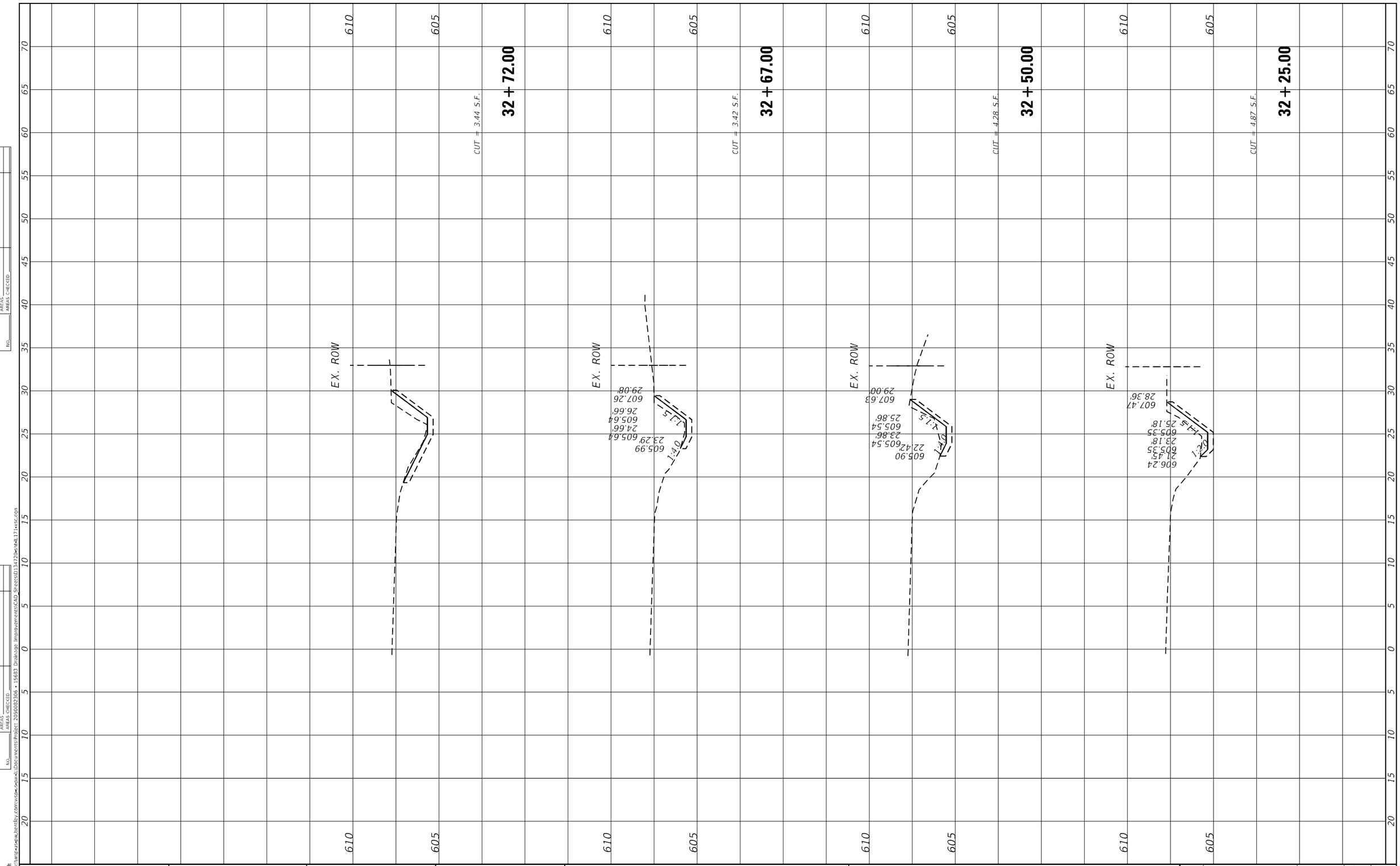
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #5 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 1 OF 2 SHEETS | STA. 31+21.20 TO STA. 32+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 103 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | **STATE OF ILLINOIS** |
| | DRAWN - | REVISED - | **DEPARTMENT OF TRANSPORTATION** |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

**SITES #5 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 2 OF 2 SHEETS | STA. 32+25.00 | TO STA. 32+72.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 104 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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

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

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**71 + 00.00**

CUT = 8.9 S.F.

**70 + 75.00**

CUT = 7.96 S.F.

**70 + 50.00**

CUT = 5.43 S.F.

**70 + 25.00**

CUT = 3.58 S.F.

**70 + 00.00**

CUT = 1.99 S.F.

EX. ROW

606.60 27.38'
603.04 15.55'
602.10 18.38'
L 2.0
C 3.1

607.22 28.15'
603.24 15.91'
602.38 18.47'
L 2.0
C 3.1

606.23 25.68'
603.43 16.28'
602.67 18.56'
L 2.0
C 3.1

605.33 23.40'
603.55 16.85'
602.95 18.66'
L 2.0
C 3.1

604.43 21.13'
603.72 17.31'
603.24 28.75'
L 2.0
C 3.1

610
605

| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

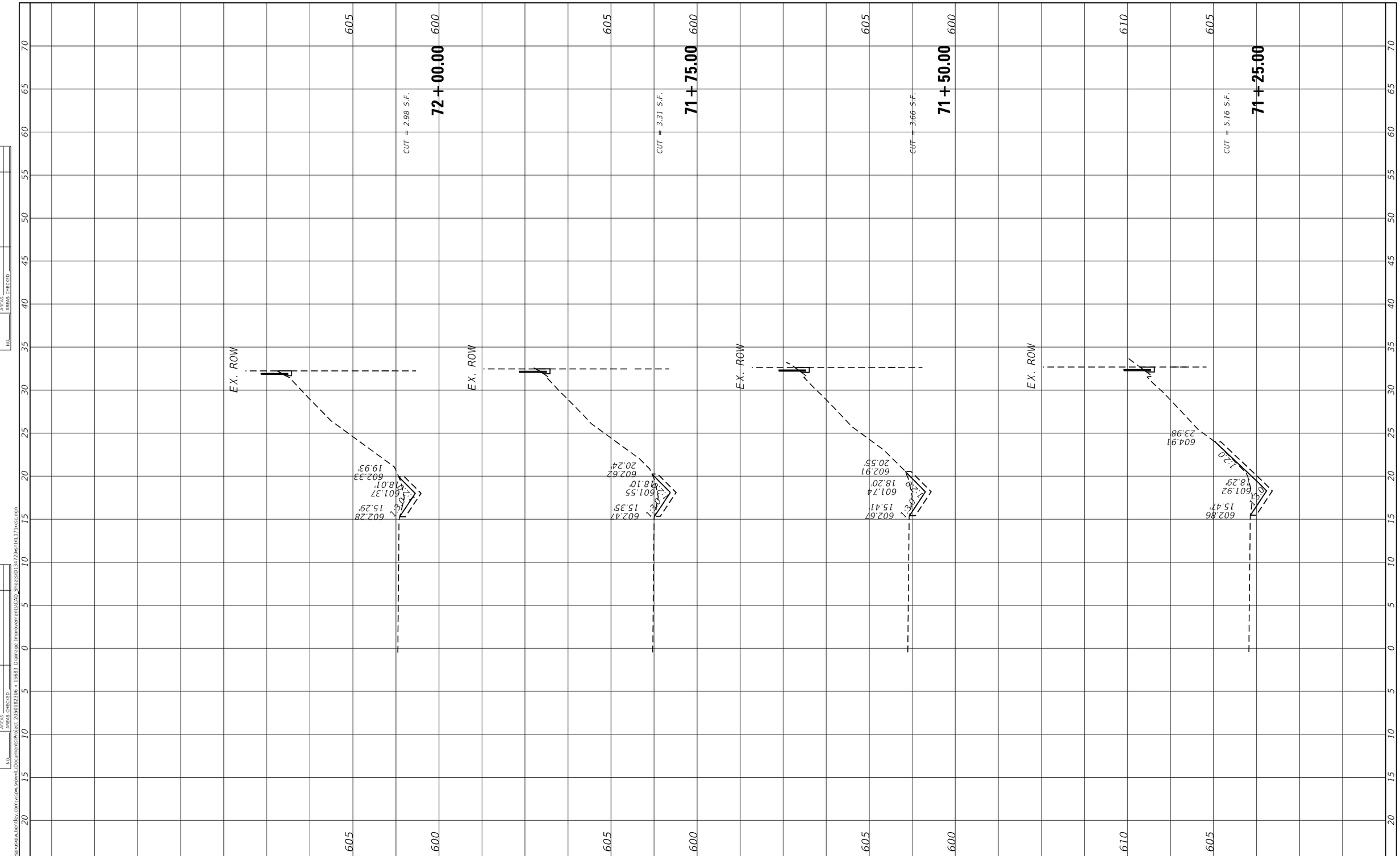
**SITES #8 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 1 OF 8 SHEETS | STA. 70+00.00 TO STA. 71+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 105 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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




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|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

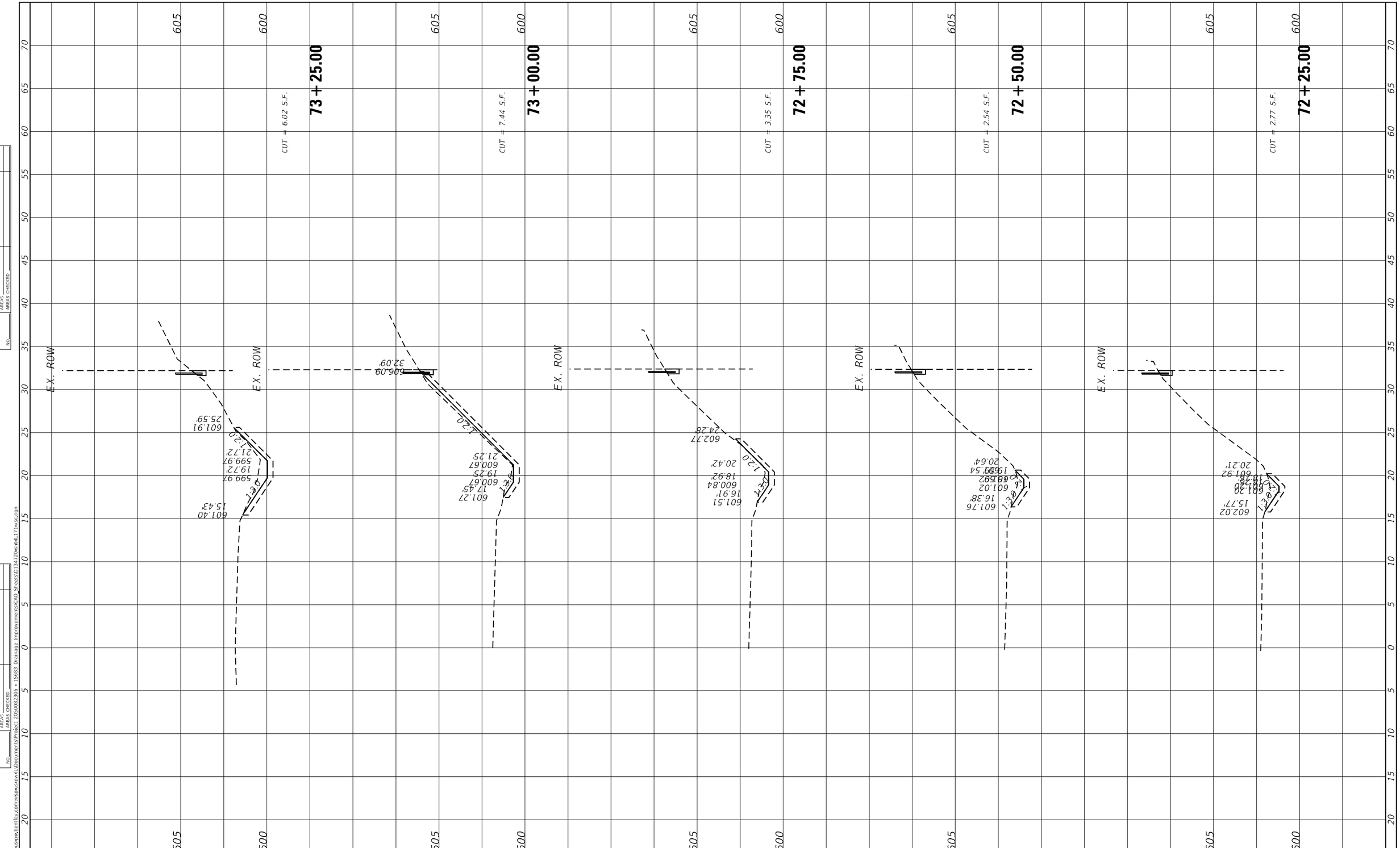
# SITES #8 IL RTE 171
## CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' | SHEET 2 OF 8 SHEETS | STA. 71+25.00 TO STA. 72+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 106 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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




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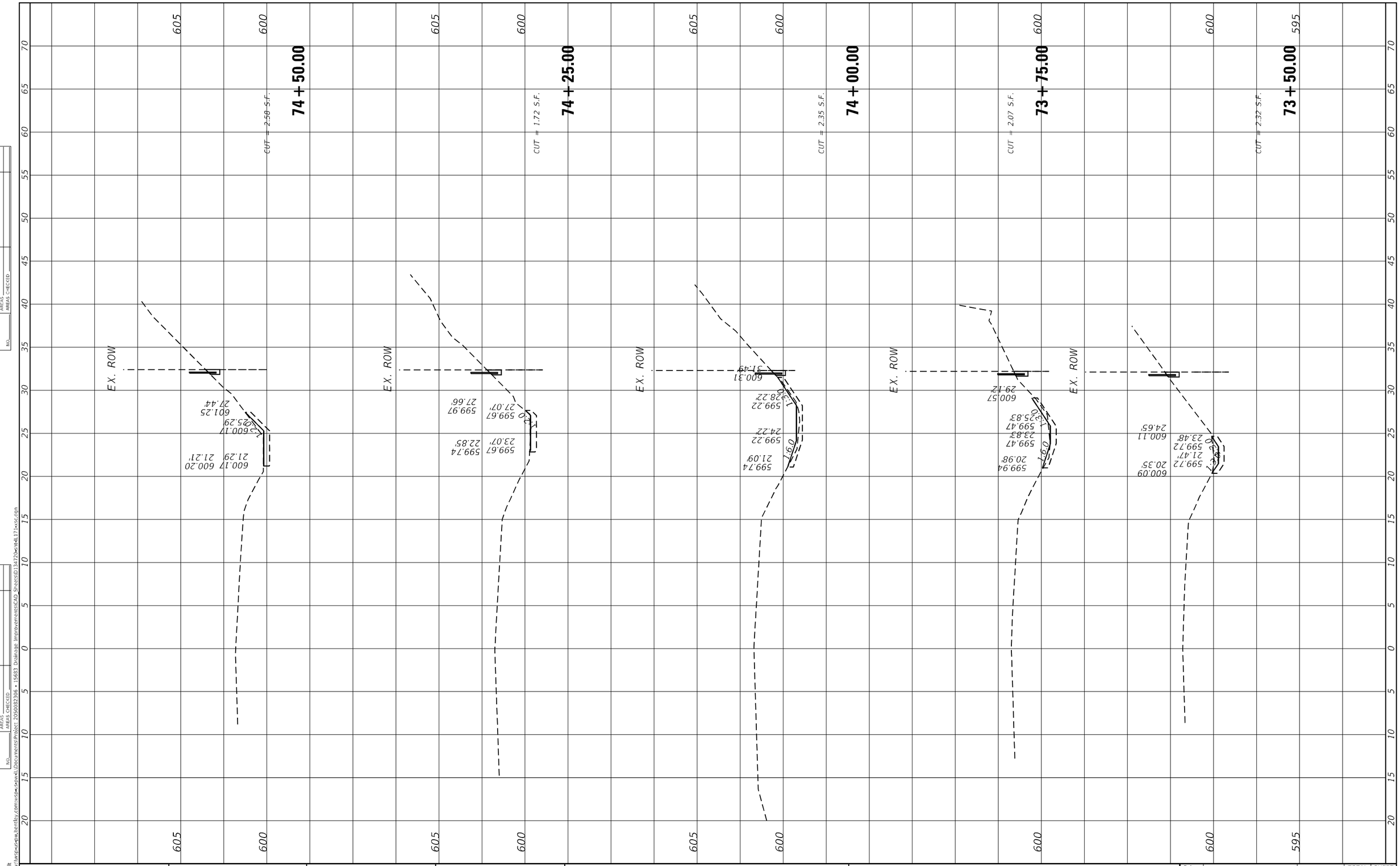
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #8 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 3 OF 8 SHEETS | STA. 72+25.00 TO STA. 73+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 107 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

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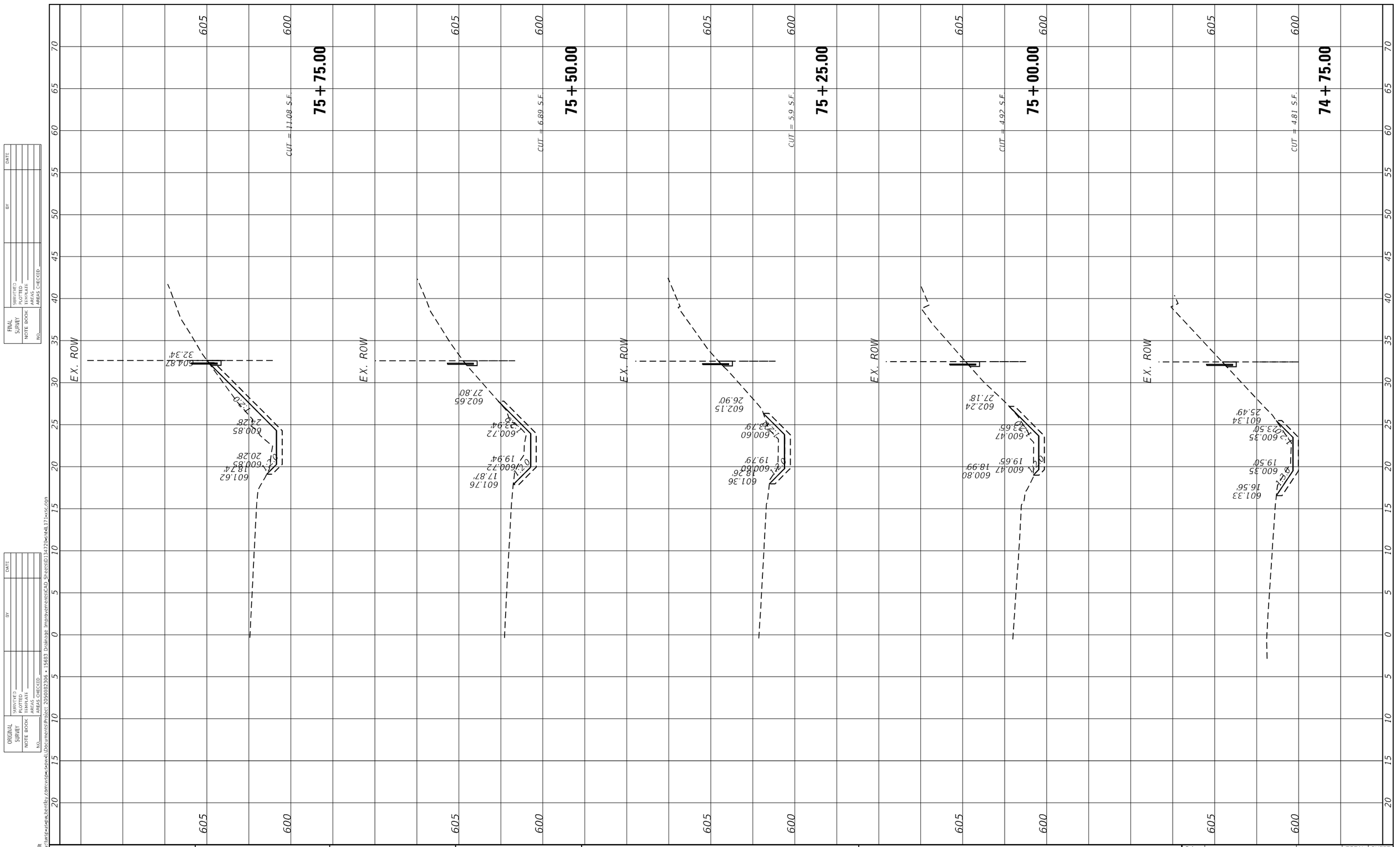
| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #8 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 4 OF 8 SHEETS STA. 73+50.00 TO STA. 74+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 108 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




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

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

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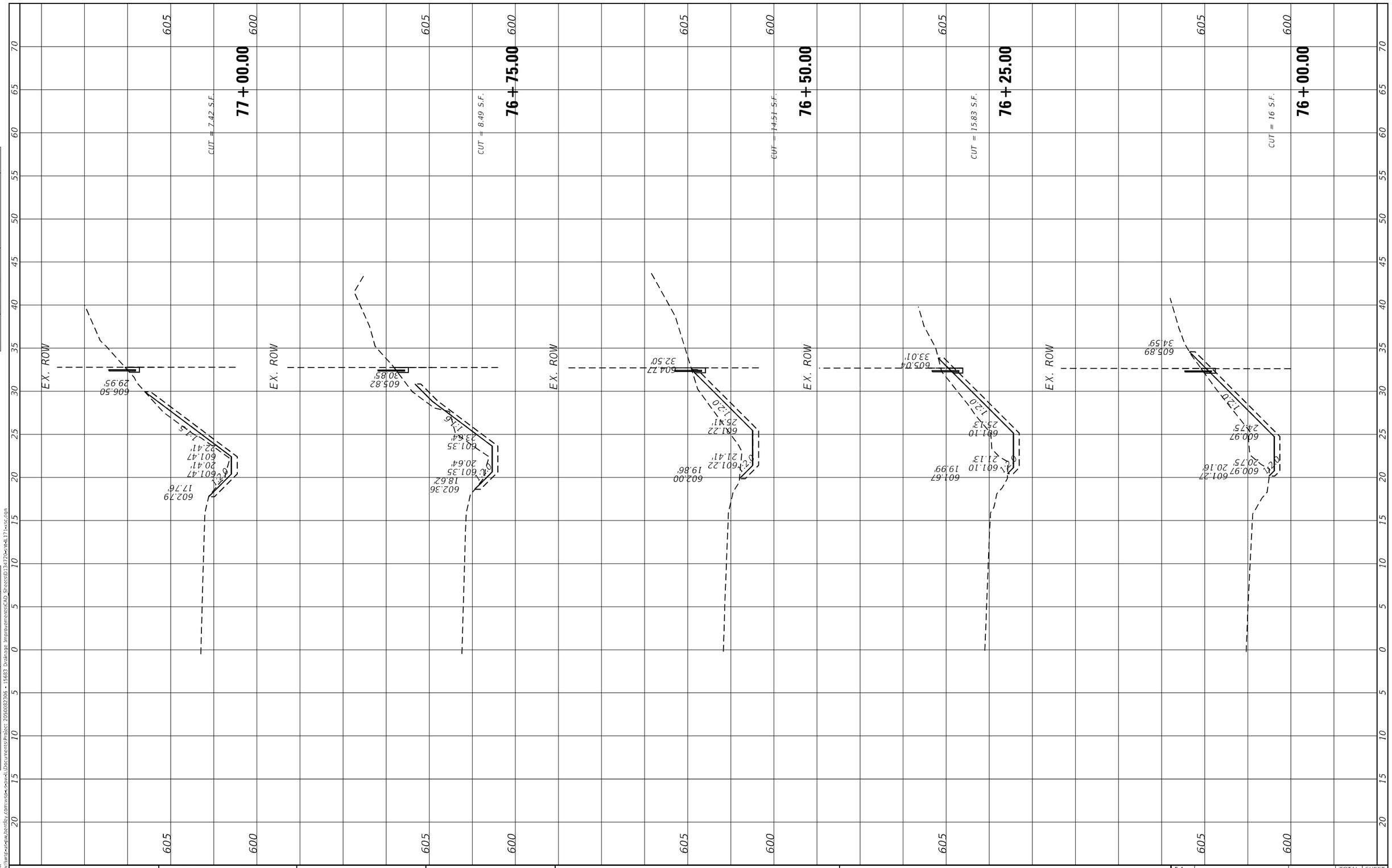
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
|---|---|---|
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

# SITES #8 IL RTE 171
## CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5'
SHEET 5 OF 8 SHEETS STA. 74+75.00 TO STA. 75+75.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 109 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

**SITES #8 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 6 OF 8 SHEETS | STA. 76+00.00 TO STA. 77+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 110 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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

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

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**78 + 25.00**

CUT = 3.46 S.F.

**78 + 00.00**

CUT = 8.04 S.F.

**77 + 75.00**

CUT = 17.89 S.F.

**77 + 50.00**

CUT = 9.87 S.F.

**77 + 25.00**

CUT = 8.07 S.F.

EX. ROW

610 605 610 605 610 605 610 605 610 605

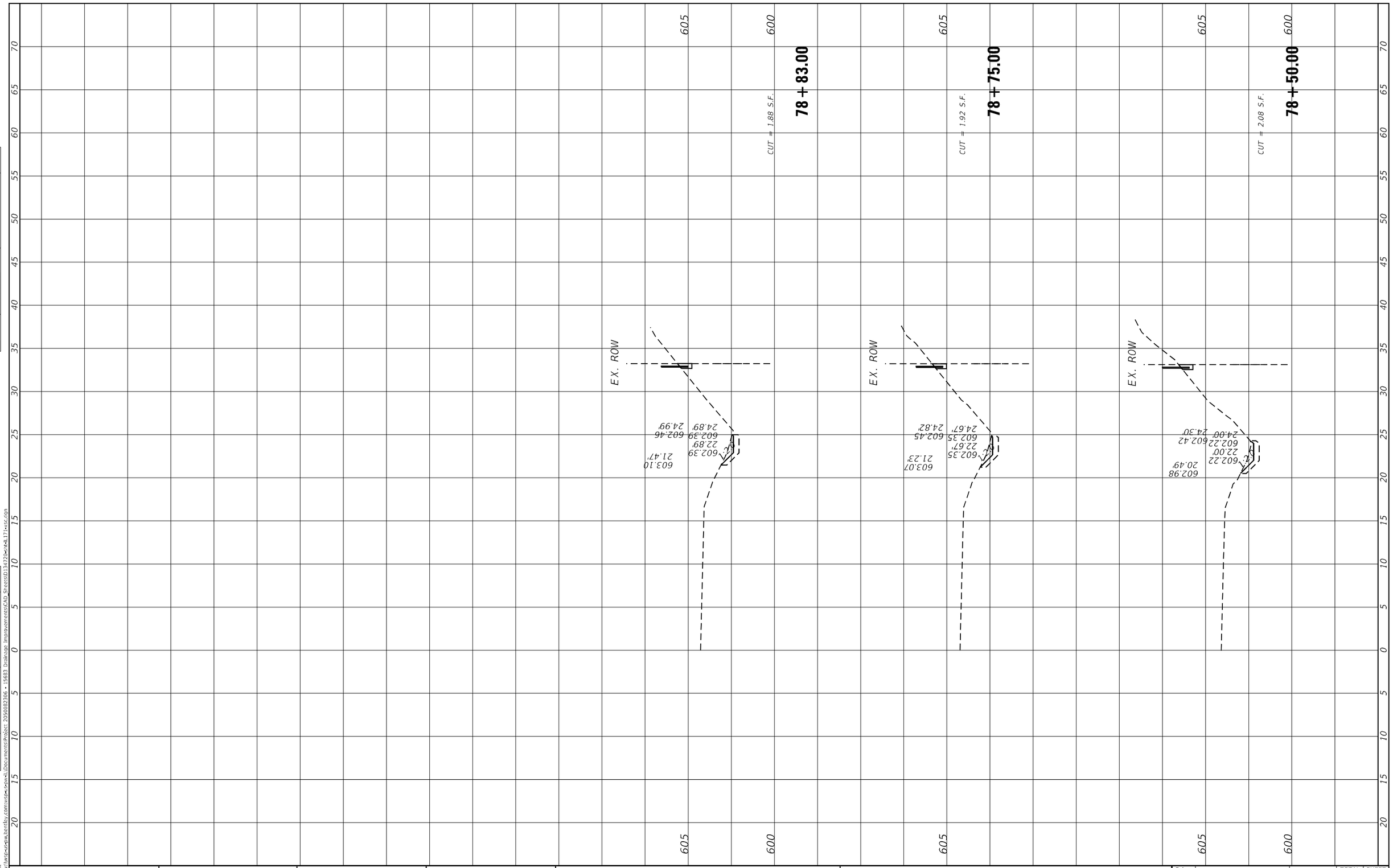
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|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #8 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 7 OF 8 SHEETS | STA. 77+25.00 TO STA. 78+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 111 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

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| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

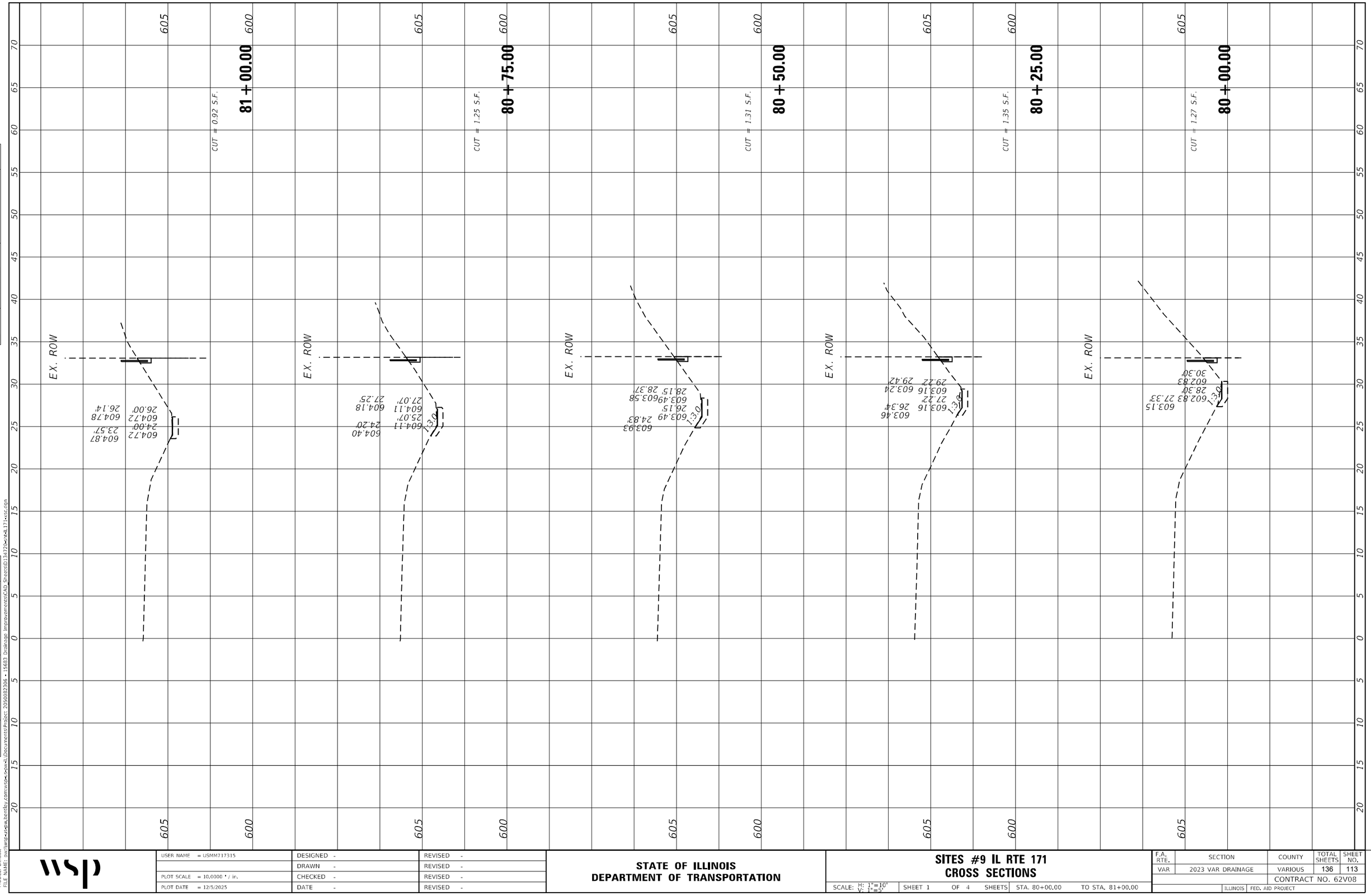
**SITES #8 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 8 OF 8 SHEETS | STA. 78+50.00 TO STA. 78+83.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 112 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

| ORIGINAL SURVEY | BY | DATE |
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| NOTE BOOK | SURVEYED | |
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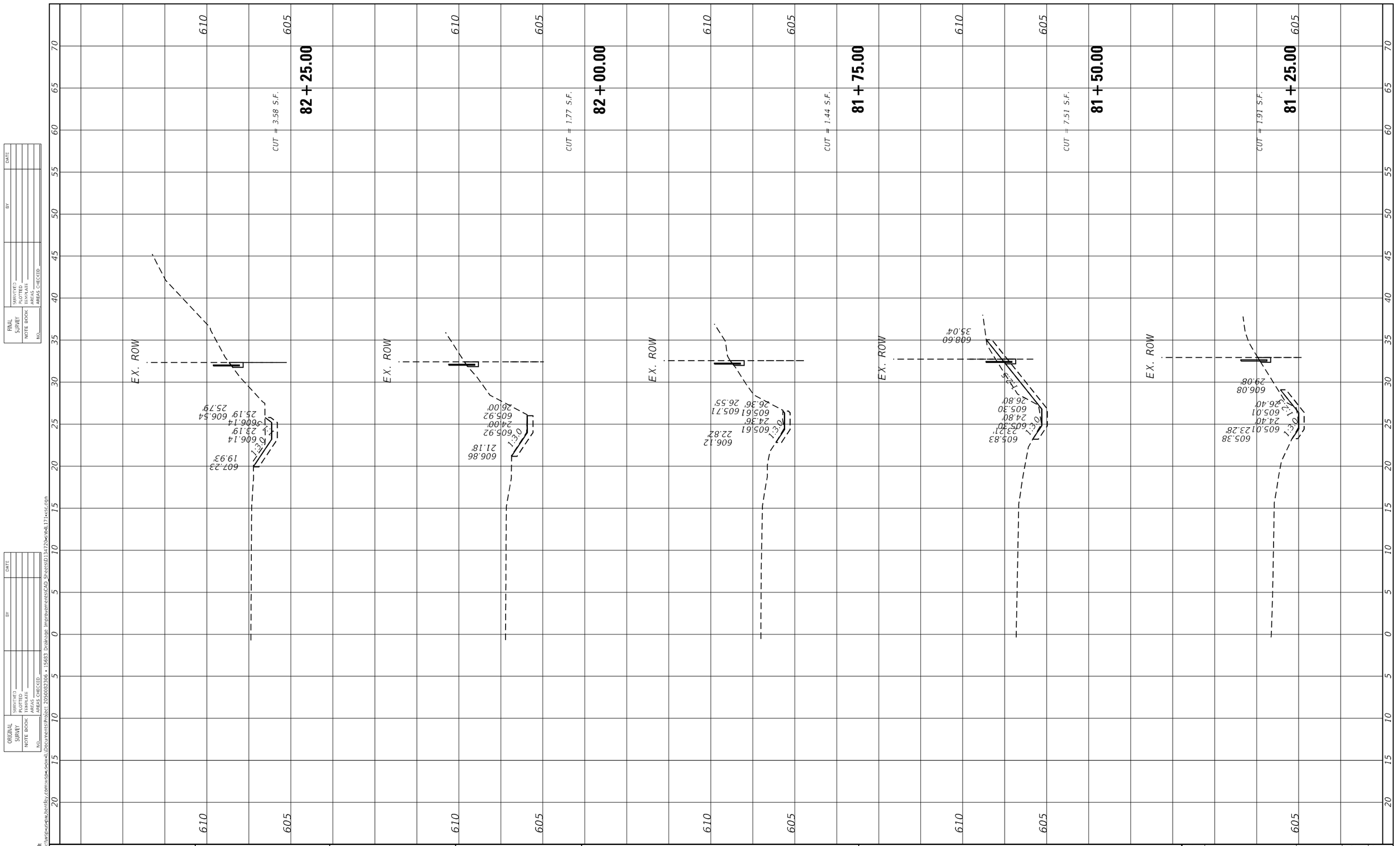
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| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
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| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

# SITES #9 IL RTE 171
## CROSS SECTIONS

SCALE: H: 1"=10' V: 1"=5' | SHEET 1 OF 4 SHEETS | STA. 80+00.00 TO STA. 81+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 113 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

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| | | |
|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

**SITES #9 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10'
V: 1"=5'
SHEET 2 OF 4 SHEETS STA. 81+25.00 TO STA. 82+25.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 114 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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**83 + 50.00**

CUT = 3.54 S.F.

**83 + 25.00**

CUT = 4.45 S.F.

**83 + 00.00**

CUT = 4.41 S.F.

**82 + 75.00**

CUT = 12.98 S.F.

**82 + 50.00**

CUT = 13.06 S.F.

EX. ROW

608.00 16.44'
607.22 18.77'
607.22 20.77'
608.23 22.29'

607.83 16.48'
607.00 18.95'
607.00 20.95'
607.75 22.07'

607.68 16.56'
606.79 19.25'
606.79 21.25'
607.49 22.30'

607.50 17.68'
606.57 20.47'
606.57 22.47'

607.48 18.41'
606.35 21.80'
606.35 23.80'
607.48 25.80'

610.91 30.63'
613.01 32.13'

4:1 SLOPE

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 12/5/2025 | DATE - | REVISED - | |

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

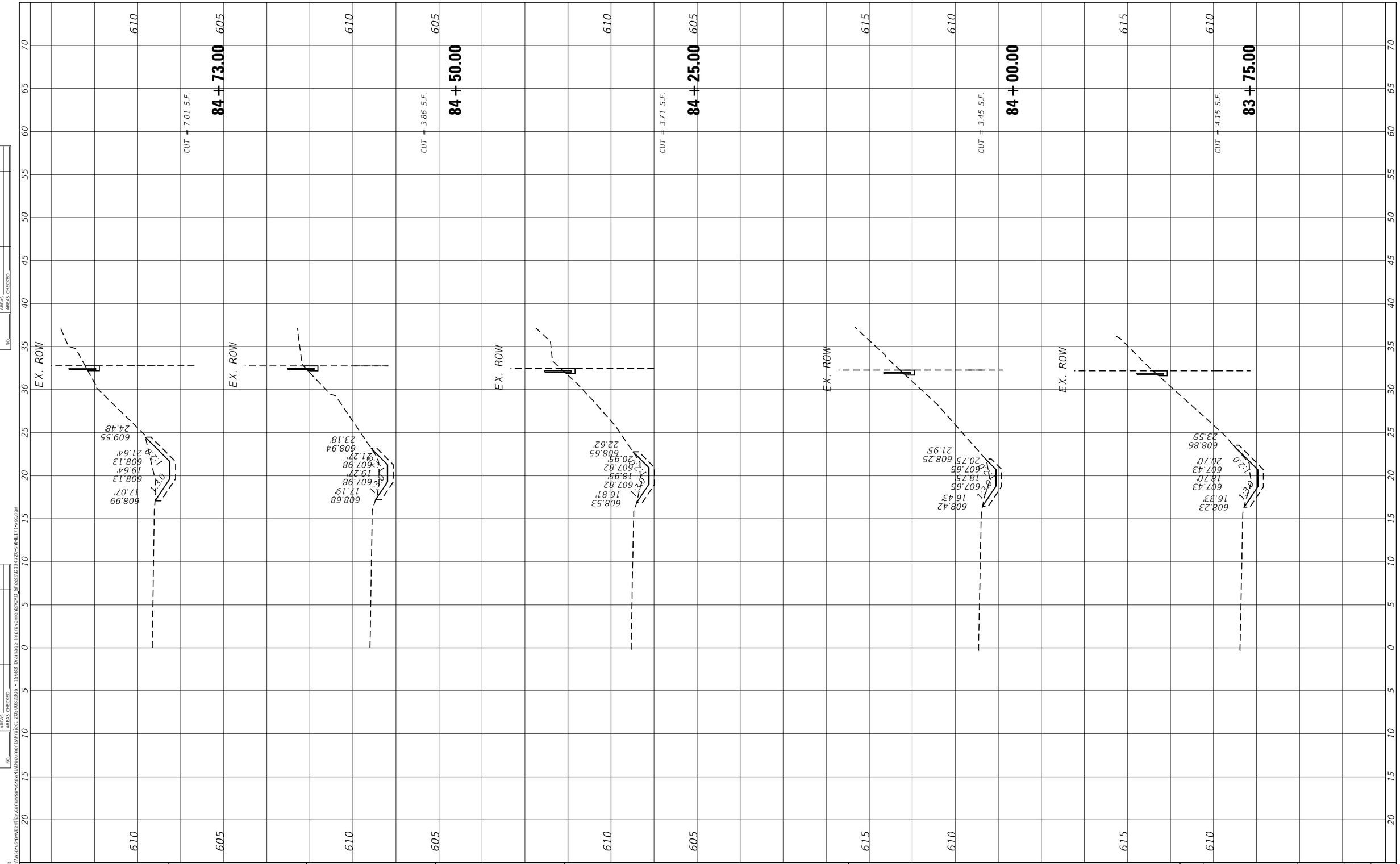
**SITES #9 IL RTE 171**
**CROSS SECTIONS**

SCALE: H: 1"=10' V: 1"=5' | SHEET 3 OF 4 SHEETS | STA. 82+50.00 TO STA. 83+50.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 115 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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




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|---|---|---|---|
| wsp | USER NAME = USMM717315 | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 10.0000 ' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 12/5/2025 | DATE - | REVISED - |

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

# SITES #9 IL RTE 171
# CROSS SECTIONS

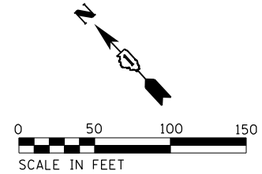
SCALE: H: 1"=10' V: 1"=5' | SHEET 4 OF 4 SHEETS | STA. 83+75.00 TO STA. 84+73.00

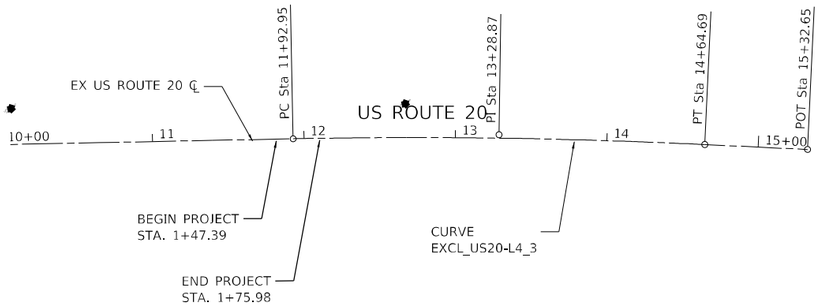
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR | 2023 VAR DRAINAGE | VARIOUS | 136 | 116 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

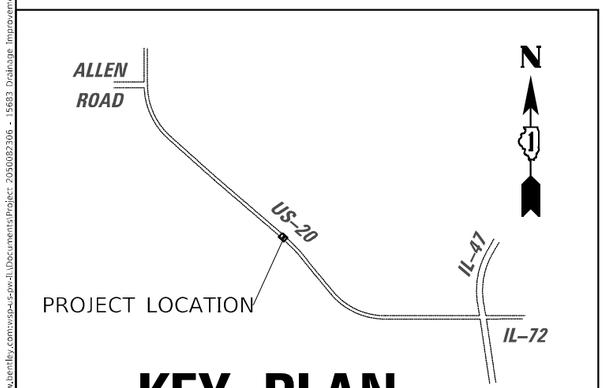
EXIST. CURVE EXCL_US20-L4_3
PI STA. = 3+10.73
Δ = 3° 41' 15" (RT)
D = 1° 08' 45"
R = 5,000.00'
T = 160.95'
L = 321.78'
E = 2.59'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 1+49.78
P.T. STA. = 4+71.56

| ALIGNMENT COORDINATES | | | |
|---|---|---|---|
| US ROUTE 20 | | | |
| | STATION | N | E |
| POB | 0+00.00 | 1976547.8957 | 946665.5729 |
| PC | 1+49.78 | 1976458.8149 | 946783.5777 |
| PT | 4+71.56 | 1976224.2567 | 947008.3967 |
| POT | 4+98.10 | 1976205.2388 | 947026.9034 |

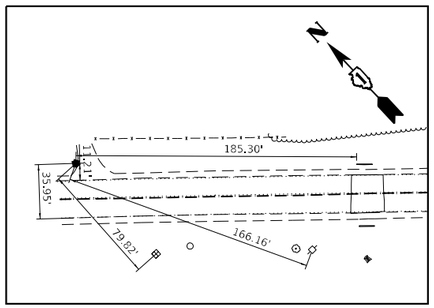
| CONTROL POINTS | | | |
|---|---|---|---|
| US ROUTE 20 | | | |
| # | ELEVATION | N | E |
| 9 | 953.55 | 1976408.7730 | 946853.7070 |
| 10 | 953.86 | 1976584.1200 | 946661.3650 |



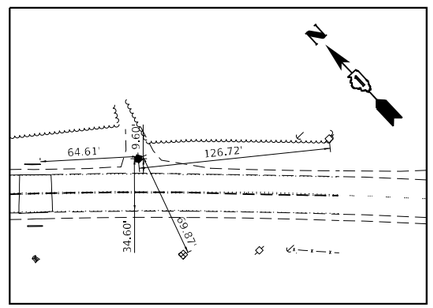




## KEY PLAN




**CONTROL POINT #10**




**CONTROL POINT #9**

| | | | |
|---|---|---|---|
| USER NAME = USMM717315 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

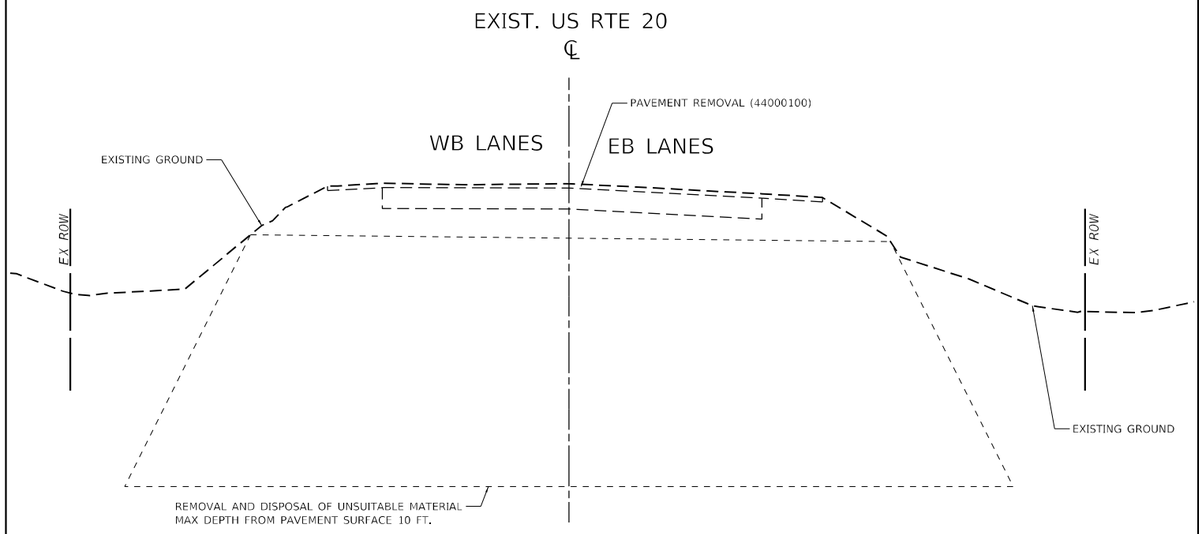
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**US ROUTE 20 WEST OF IL 47**
**ALIGNMENT, TIES, & BENCHMARKS**

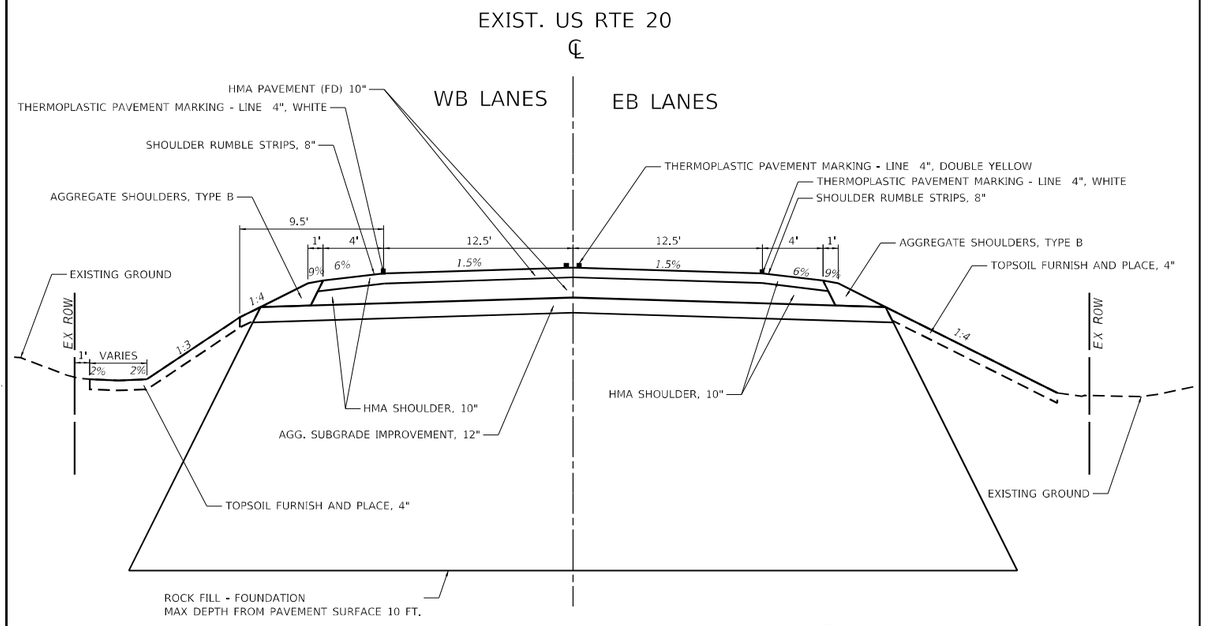
SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 0+00.00 | TO STA. 4+98.10

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 117 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MODEL: Default
FILE NAME: p:\wsp-us-pw.bentley.com:wsp-us-pw-li\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD\Sheets\D134720-cnt-ATB-US20.dgn



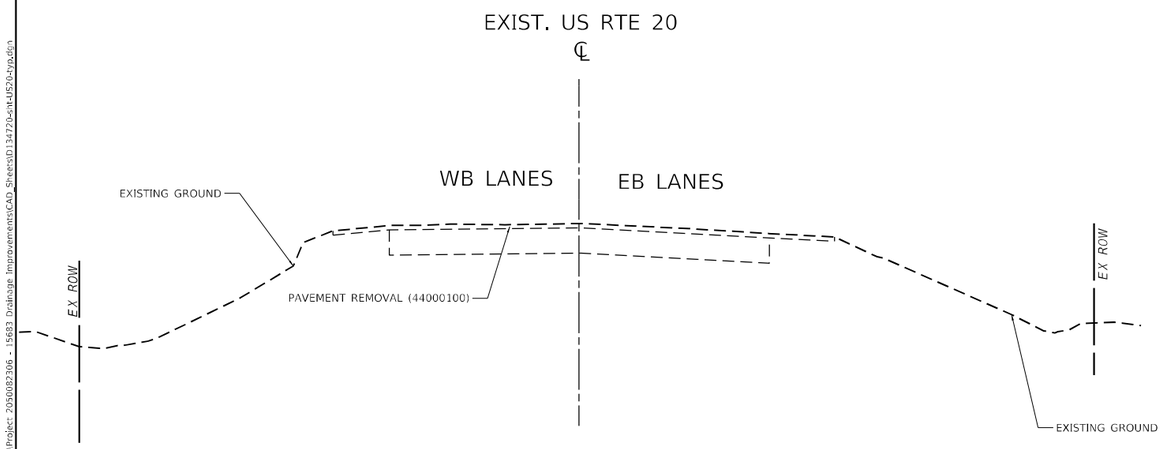

**EXISTING TYPICAL SECTION**
**FROM 11+85.00 TO STA. 12+15.00**



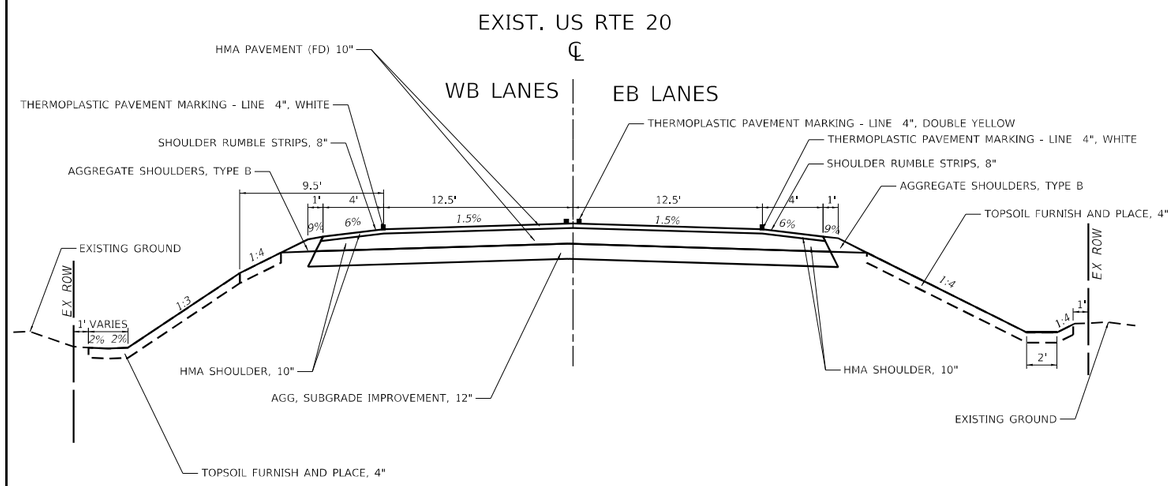

**PROPOSED TYPICAL SECTION**
**FROM 11+85.00 TO STA. 12+15.00**

NOTE:

THE LONGITUDINAL JOINT SEALENT SHALL BE PLACED BEFORE AND AFTER THE TOP LIFT OF HMA BASE MIX.




**EXISTING TYPICAL SECTION**
**FROM STA. 11+75.00 TO STA. 11+85.00**
**FROM STA. 12+15.00 TO STA. 12+25.00**




**PROPOSED TYPICAL SECTION**
**FROM STA. 11+75.00 TO STA. 11+85.00**
**FROM STA. 12+15.00 TO STA. 12+25.00**

NOTE:

THE LONGITUDINAL JOINT SEALENT SHALL BE PLACED BEFORE AND AFTER THE TOP LIFT OF HMA BASE MIX.

MODEL: Default
FILE NAME: pw:\\wsp-ud-pw.bentley.com:wsp-us-pw-1\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-sht-US20-Typ.dgn

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 5/4/2026 | DATE - 12/10/2025 | REVISED - | |

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

**US ROUTE 20 WEST OF IL 47**
**EXISTING AND PROPOSED TYPICAL SECTIONS**

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 135 | 118 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

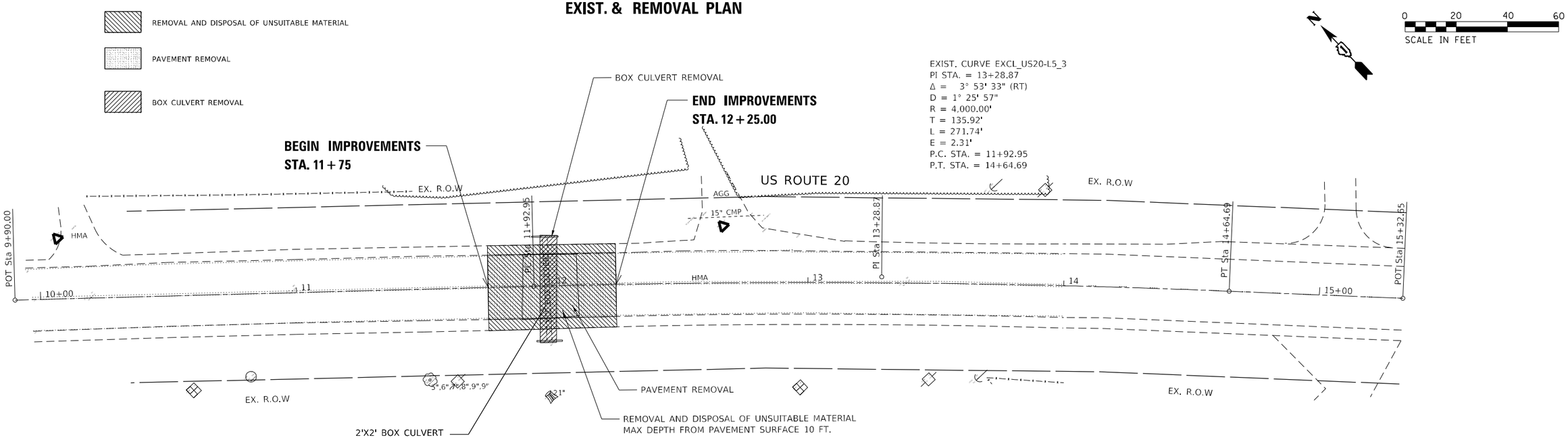
## LEGEND

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

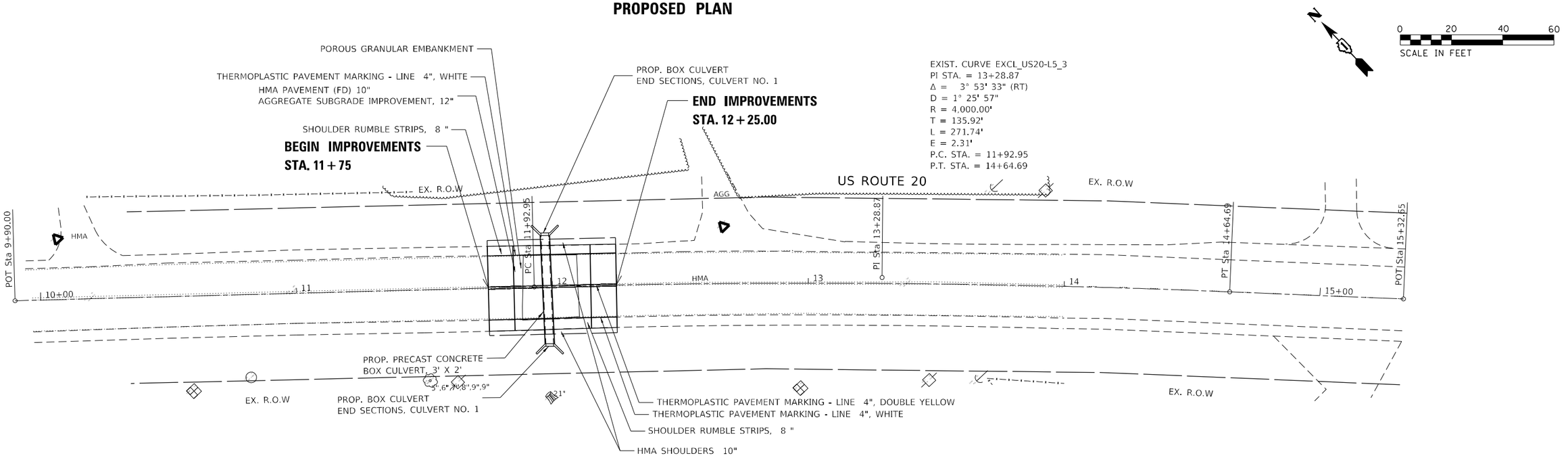
PAVEMENT REMOVAL

BOX CULVERT REMOVAL

## EXIST. & REMOVAL PLAN




## PROPOSED PLAN




| | | | | | |
|---|---|---|---|---|---|
| wsp | USER NAME = USMM717315 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | US ROUTE 20 WEST OF IL 47<br>REMOVAL PLAN & PROPOSED PLAN |
| | | DRAWN - MM | REVISED - | | |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | | SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 11+75 TO STA. 12+25 |
| | PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 119 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS FED. AID PROJECT | | |

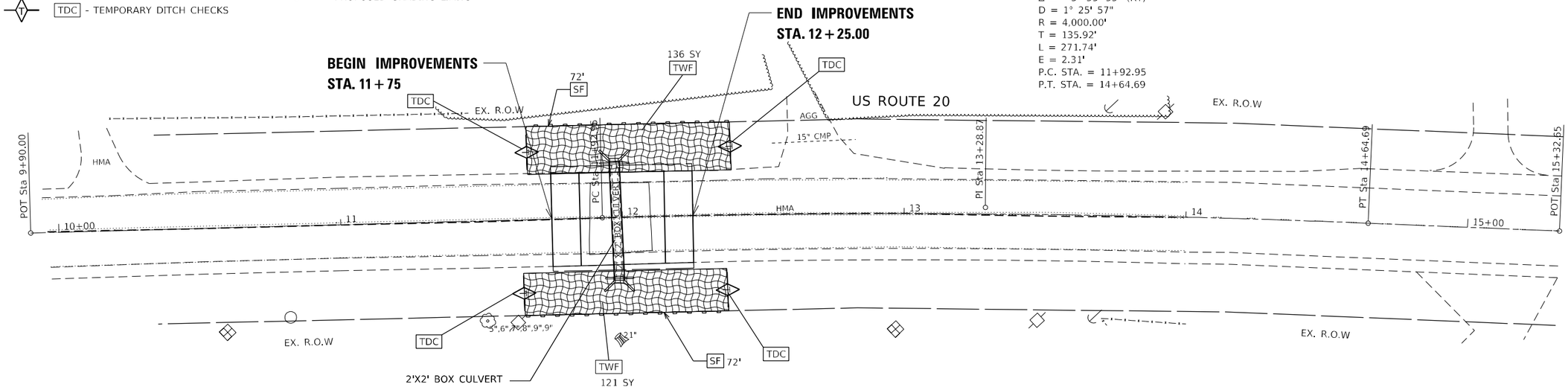
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## EROSION CONTROL LEGEND

- SF - PERIMETER EROSION BARRIER
- IF - INLET FILTERS
- IPP - INLET AND PIPE PROTECTION
- TDC - TEMPORARY DITCH CHECKS
- ADC - AGGREGATE DITCH CHECKS
- TWF - TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- PROPOSED GRADING LIMITS

0 20 40 60
SCALE IN FEET

EXIST. CURVE EXCL_US20-L5_3
PI STA. = 13+28.87
Δ = 3° 53' 33" (RT)
D = 1° 25' 57"
R = 4,000.00'
T = 135.92'
L = 271.74'
E = 2.31'
P.C. STA. = 11+92.95
P.T. STA. = 14+64.69



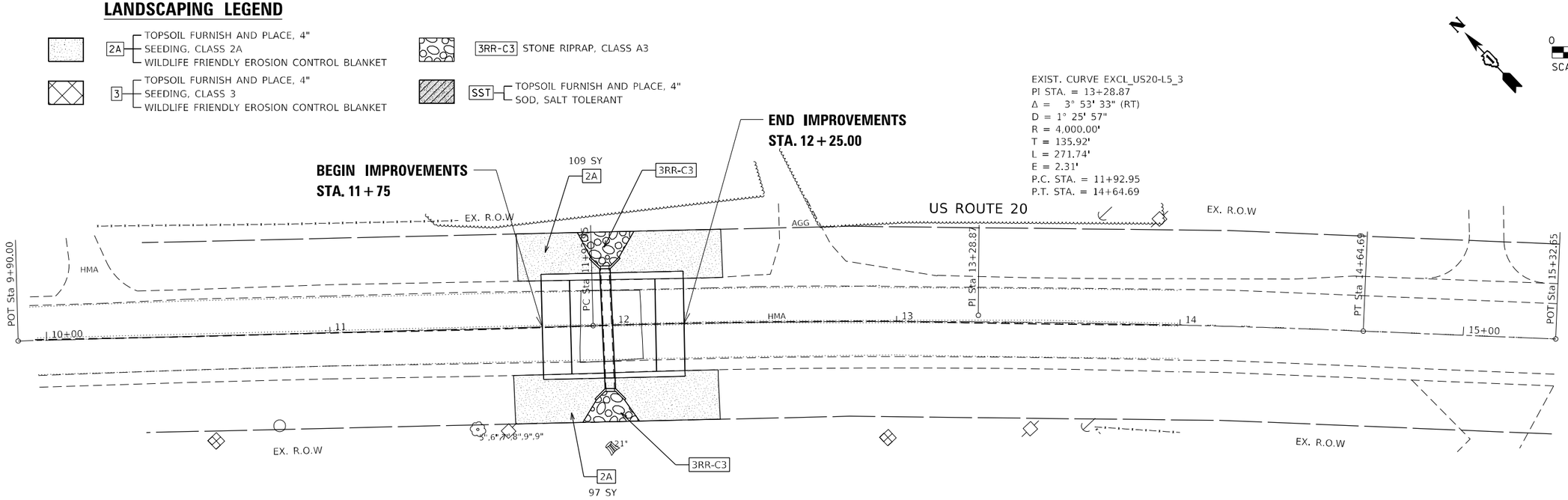

## EROSION CONTROL PLAN

## LANDSCAPING LEGEND

- 2A - TOPSOIL FURNISH AND PLACE, 4" / SEEDING, CLASS 2A / WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- 3 - TOPSOIL FURNISH AND PLACE, 4" / SEEDING, CLASS 3 / WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- 3RR-C3 STONE RIPRAP, CLASS A3
- SST - TOPSOIL FURNISH AND PLACE, 4" / SOD, SALT TOLERANT

0 20 40 60
SCALE IN FEET

EXIST. CURVE EXCL_US20-L5_3
PI STA. = 13+28.87
Δ = 3° 53' 33" (RT)
D = 1° 25' 57"
R = 4,000.00'
T = 135.92'
L = 271.74'
E = 2.31'
P.C. STA. = 11+92.95
P.T. STA. = 14+64.69




## LANDSCAPING PLAN

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/27/2026 | DATE - 12/10/2025 | REVISED - | |

US ROUTE 20 WEST OF IL 47
EROSION CONTROL & LANDSCAPING PLAN

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 120 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MODEL: Default
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## STAGING GENERAL NOTES

1. TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION FOR TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ENGINEER SHALL BE INFORMED IN WRITING A MINIMUM OF 48 HOURS IN ADVANCE OF ANY CHANGE TO THE TRAFFIC CONTROL PLANS.

2. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORSEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN IN THE TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL RESPOND PROMPTLY TO ANY DIRECTION GIVEN BY THE ENGINEER FOR MAINTENANCE OF TRAFFIC CONTROL DEVICES.

3. CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE DISTRICT ONE AND STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER.

4. EXISTING TRAFFIC SIGNS IN CONFLICT WITH DETOUR PLANS SHALL BE COVERED.

5. ONLY ONE DETOUR PLAN SHALL BE OPERATIONAL AT ONE TIME.

6. CONTRACTOR SHALL PLACE A MINIMUM OF ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT LOCATION(S) DESIGNATED BY THE ENGINEER IN ORDER TO INFORM MOTORIST OF UPCOMING CONSTRUCTION CHANGES A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE COMMENCEMENT OF CONSTRUCTION AND SUBSEQUENT STAGE CHANGES.

## SEQUENCE OF CONSTRUCTION

US ROUTE 20

1. CLOSE US ROUTE 20 WEST OF IL 47 PER DETOUR PLAN.
2. INSTALL EROSION CONTROL DEVICES. REMOVE AND CONSTRUCT PAVMENT AND DRAINAGE CULVERT.
3. REMOVE DETOUR PLAN .
4. REMOVE EROSION CONTROL DEVICES, REGRADE DITCHES, AND INSTALL PERMANENT SEEDING PER PLANS.
5. MAINTAIN ALL LANES IN FINAL CONFIGURATION. CONSTRUCTION ACTIVITIES SHALL BE PERFORMED PER IDOT STANDARD 701006.

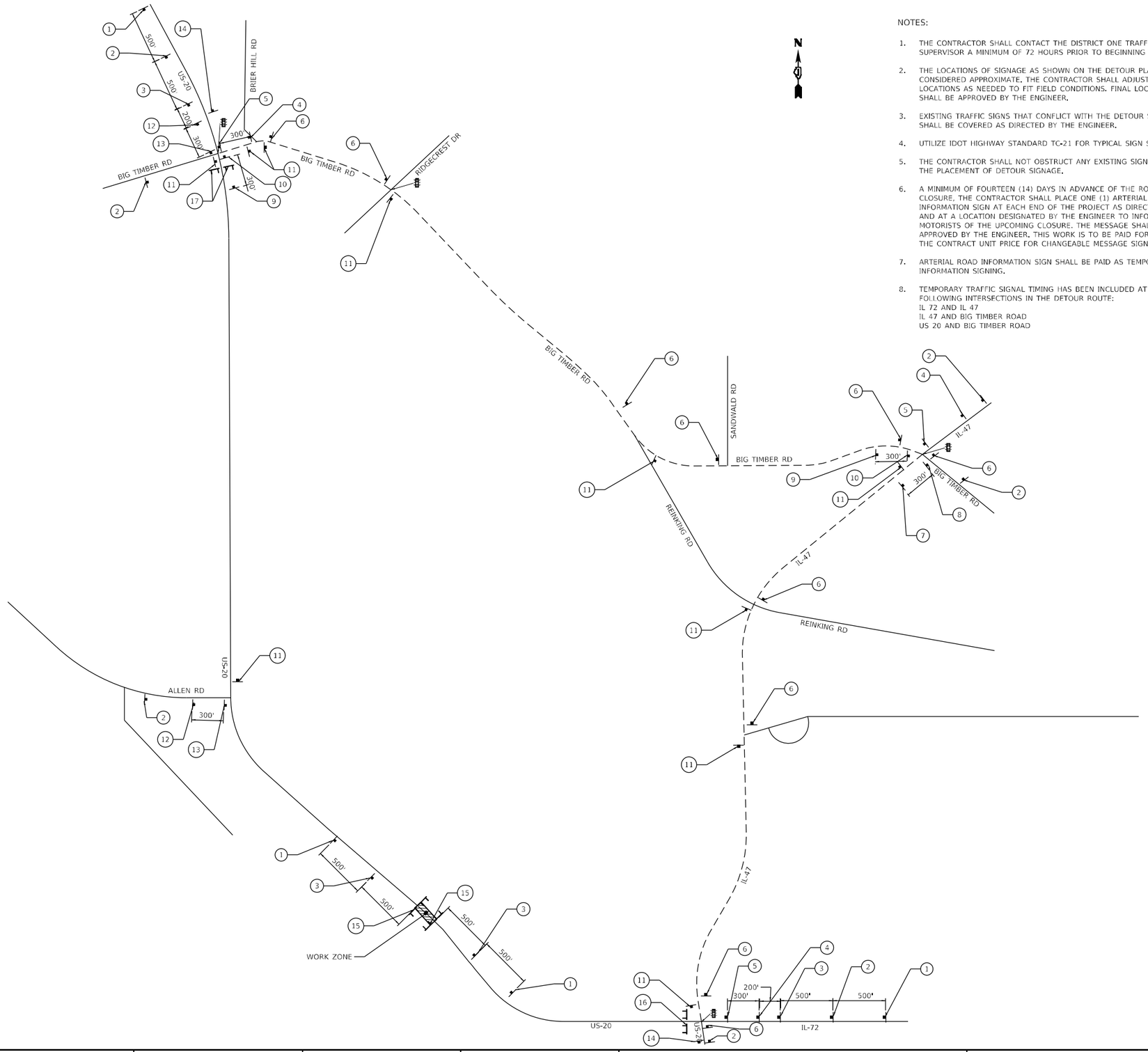
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| | | | | |
|---|---|---|---|---|
| wsp | USER NAME = USMM717315 | DESIGNED - MM | REVISED - | **STATE OF ILLINOIS**<br>**DEPARTMENT OF TRANSPORTATION** |
| | | DRAWN - MM | REVISED - | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - KE | REVISED - | |
| | PLOT DATE = 12/8/2025 | DATE - 12/10/2025 | REVISED - | |

**US ROUTE 20 WEST OF IL 47**
**TRAFFIC CONTROL GENERAL NOTES / SEQUENCE OF CONSTRUCTION**

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 121 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |




NOTES:

1. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE LOCATIONS OF SIGNAGE AS SHOWN ON THE DETOUR PLAN ARE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL ADJUST SIGNAGE LOCATIONS AS NEEDED TO FIT FIELD CONDITIONS. FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THE DETOUR SIGNAGE SHALL BE COVERED AS DIRECTED BY THE ENGINEER.
4. UTILIZE IDOT HIGHWAY STANDARD TC-21 FOR TYPICAL SIGN SPACING.
5. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.
6. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE ROAD CLOSURE, THE CONTRACTOR SHALL PLACE ONE (1) ARTERIAL ROAD INFORMATION SIGN AT EACH END OF THE PROJECT AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CLOSURE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CHANGEABLE MESSAGE SIGN.
7. ARTERIAL ROAD INFORMATION SIGN SHALL BE PAID AS TEMPORARY INFORMATION SIGNING.
8. TEMPORARY TRAFFIC SIGNAL TIMING HAS BEEN INCLUDED AT THE FOLLOWING INTERSECTIONS IN THE DETOUR ROUTE:
   IL 72 AND IL 47
   IL 47 AND BIG TIMBER ROAD
   US 20 AND BIG TIMBER ROAD

| | | |
|---|---|---|
| 1 | ROAD CLOSED AHEAD | W20-3-4848 |
| 2 | DETOUR AHEAD | W20-2-4848 |
| 3 | ROAD CLOSED 500 FT | W20-3-4848 |
| 4 | DETOUR / WEST / 20 / ↱ | M4-8-2412, M3-4-2412, M1-40-2424, M5-1R-2115 |
| 5 | DETOUR / WEST / 20 / → | M4-8-2412, M3-4-2412, M1-40-2424, M6-1R-2115 |
| 6 | DETOUR / WEST / 20 / ↑ | M4-8-2412, M3-4-2412, M1-40-2424, M6-3-2115 |
| 7 | DETOUR / WEST / 20 / ↰ | M4-8-2412, M3-4-2412, M1-40-2424, M5-1L-2115 |
| 8 | DETOUR / WEST / 20 / ← | M4-8-2412, M3-4-2412, M1-40-2424, M6-1L-2115 |
| 9 | DETOUR / EAST / 20 / ↱ | M4-8-2412, M3-2-2412, M1-40-2424, M5-1R-2115 |
| 10 | DETOUR / EAST / 20 / → | M4-8-2412, M3-2-2412, M1-40-2424, M6-1R-2115 |
| 11 | DETOUR / EAST / 20 / ↑ | M4-8-2412, M3-2-2412, M1-40-2424, M6-3-2115 |
| 12 | DETOUR / EAST / 20 / ↰ | M4-8-2412, M3-2-2412, M1-40-2424, M5-1L-2115 |
| 13 | DETOUR / EAST / 20 / ← | M4-8-2412, M3-2-2412, M1-40-2424, M6-1L-2115 |
| 14 | END DETOUR | M4-8A-4818 |
| 15 | ROAD CLOSED | R11-2-4830 |
| 16 | ROAD CLOSED TO THRU TRAFFIC / DETOUR → | R11-4-6030, M4-10R-4818 |
| 17 | ROAD CLOSED TO THRU TRAFFIC / DETOUR ← | R11-4-6030, M4-10L-4818 |
| 18 | ROAD WILL BE CLOSED FROM MMM### THRU MMM | R11-4-6030 |

**LEGEND**

- TRAFFIC SIGNAL
- TYPE III BARRICADE FLASHING LIGHT
- SIGN
- DETOUR ROUTE
- WORK ZONE

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-4\Documents\Project 2050082306 - 15683 Drainage Improvements\CAD Sheets\D134720-int-US20-detour.cgn

| | | | |
|---|---|---|---|
| USER NAME = USKE715271 | DESIGNED - MM | REVISED - | |
| | DRAWN - MM | REVISED - | |
| PLOT SCALE = 150.0000 ' / in. | CHECKED - KE | REVISED - | |
| PLOT DATE = 1/25/2026 | DATE - 12/10/2025 | REVISED - | |

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

**US ROUTE 20 WEST OF IL 47**
**DETOUR PLAN**

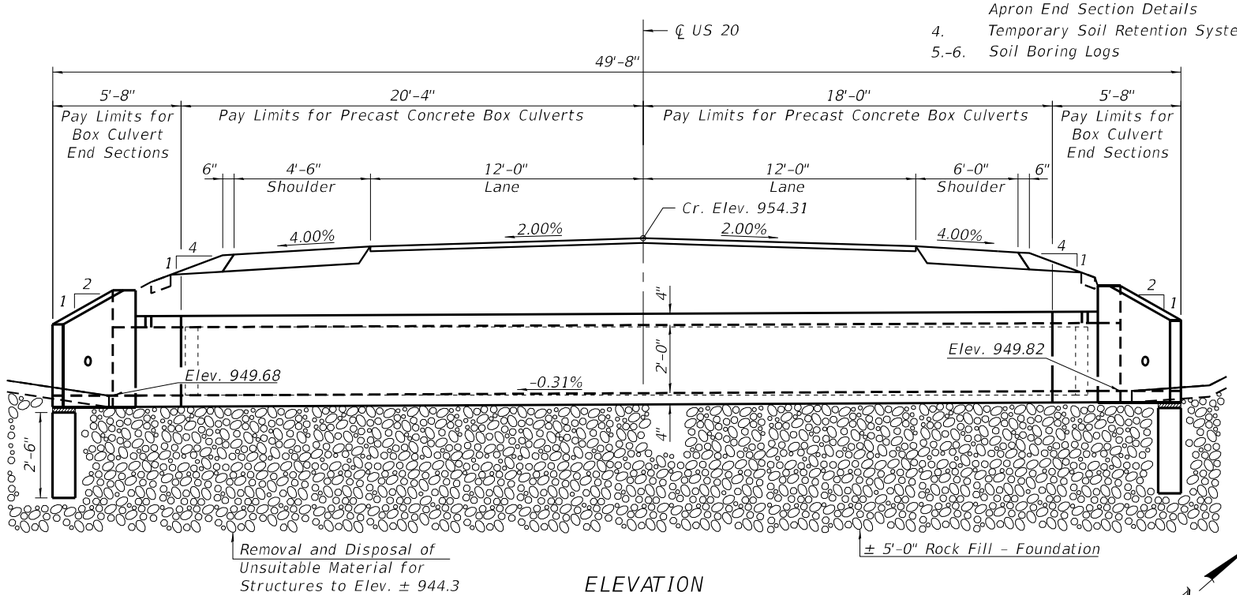
SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 122 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS | FED. AID PROJECT | |

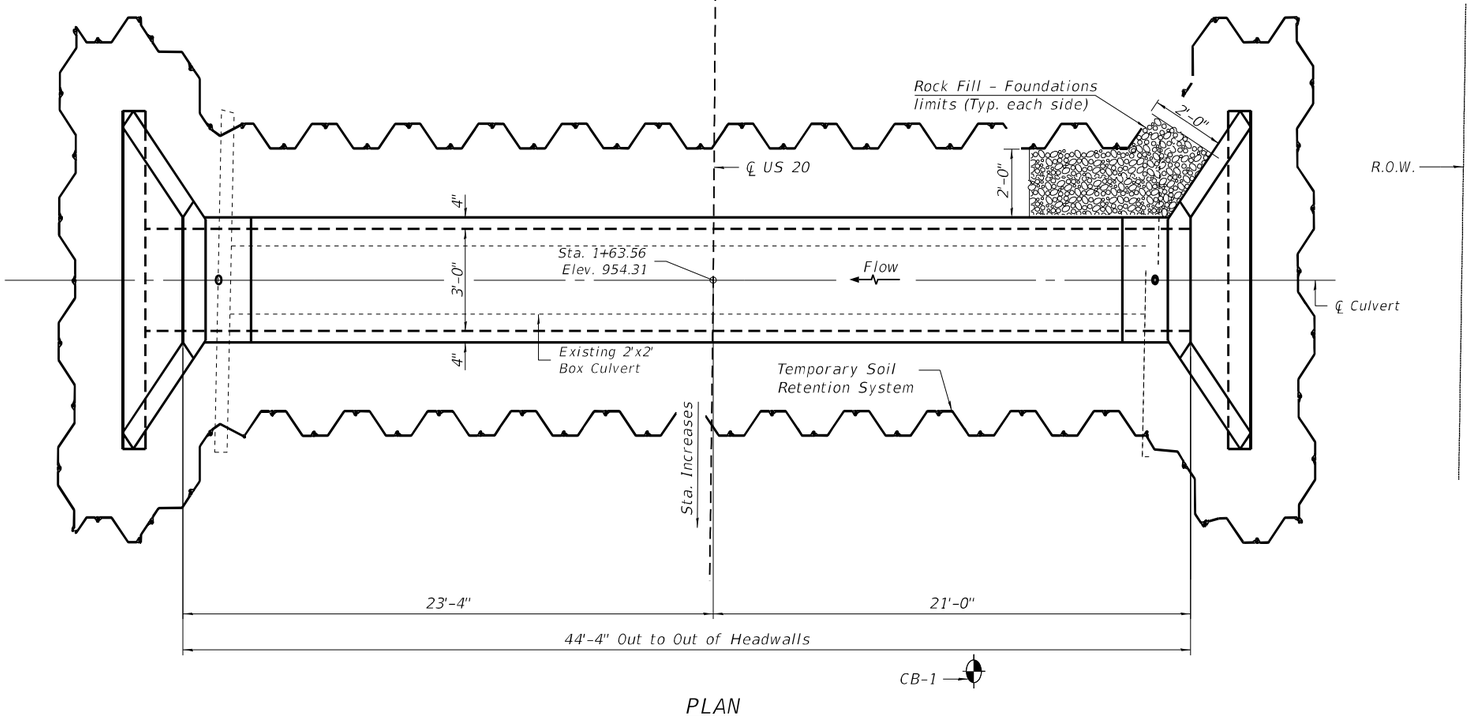
Existing Structure: Sta. 1+63.56, 2'x2' reinforced concrete box culvert, 41'-0" in length.
The existing structure will be completely removed and replaced.
No Slavage.

## INDEX OF SHEETS


1. General Plan and Elevation
2.–3. Precast Concrete Box Culvert Apron End Section Details
4. Temporary Soil Retention System
5.–6. Soil Boring Logs


ELEVATION




PLAN

## GENERAL NOTES

The design fill height for this box is 3 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

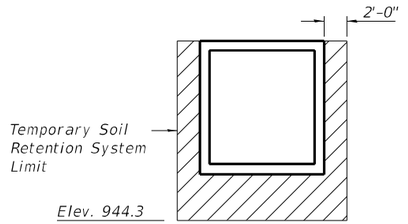
Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specifications.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

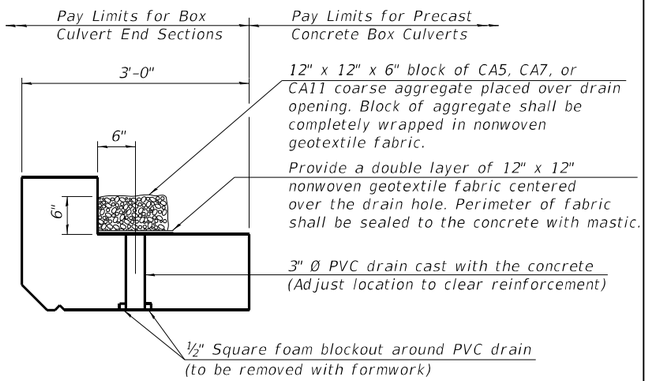
Precast concrete box culverts and box culvert end sections shall be backfilled with Rock Fill – Foundation in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of Rock Fill – Foundation is included in the Rock Fill – Foundation pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

The Contractor shall not be paid for any additonal excavation or embankment beyond the limits shown on the plans.




PAY LIMITS FOR ROCK FILL – FOUNDATION
(Hatched area)




DRAIN DETAIL

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

## DESIGN SPECIFICATIONS

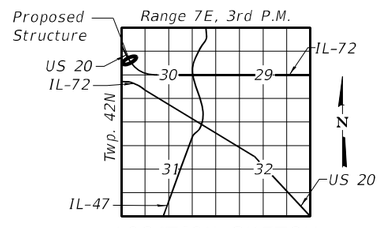
2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)




LOCATION SKETCH

## TOTAL BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|---|---|---|
| Removal of Existing Structures | Each | 1 |
| Removal and Disposal of Unsuitable Material for Structures | Cu. Yd. | 84 |
| Temporary Soil Retention System | Sq. Ft. | 1170 |
| Box Culvert End Sections, Culvert No. 1 | Each | 2 |
| Precast Concrete Box Culverts, 3' x 2' | Foot | 39 |
| Geocomposite Wall Drain | Sq. Yd. | 27 |
| Membrane Waterproofing System for Buried Strucutres | Sq. Yd. | 27 |
| Rock Fill – Foundation | Cu. Yd. | 104 |

LICENSED STRUCTURAL ENGINEER
BRIAN J. DURKIN
081-009004
STATE OF ILLINOIS

GENERAL PLAN AND ELEVATION
US RTE. 20 WEST OF IL 47
F.A.P. RTE. 345 SEC. 2023 VAR DRAINAGE
KANE COUNTY
STATION 1+63.56

SCB-GPE 5-15-2023

| | | | |
|---|---|---|---|
| USER NAME = USBD715158 | DESIGNED - BJD | REVISED - | |
| | CHECKED - MGH | REVISED - | |
| PLOT SCALE = 0:2.0000 ':" / in. | DRAWN - BJD | REVISED - | |
| PLOT DATE = 5/4/2026 | CHECKED - MGH | REVISED - | |

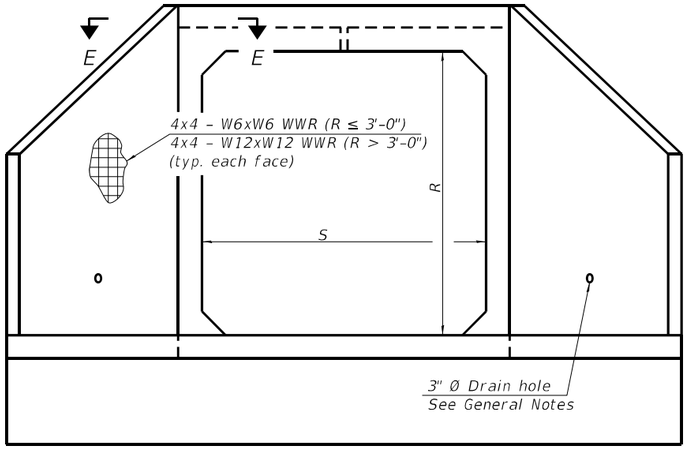
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

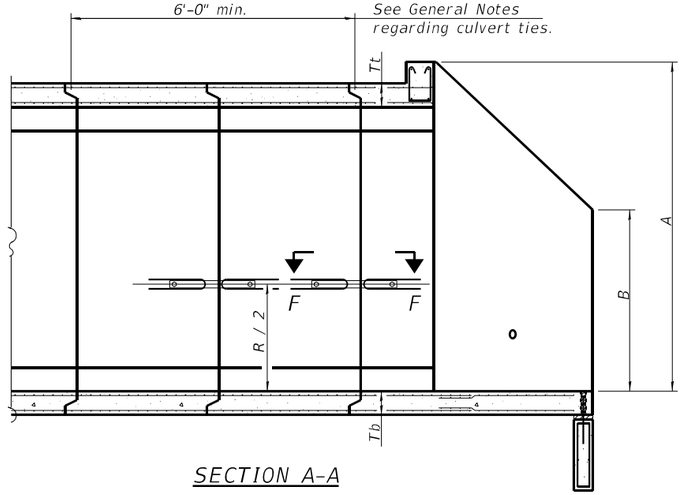
SHEET 1 OF 6 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

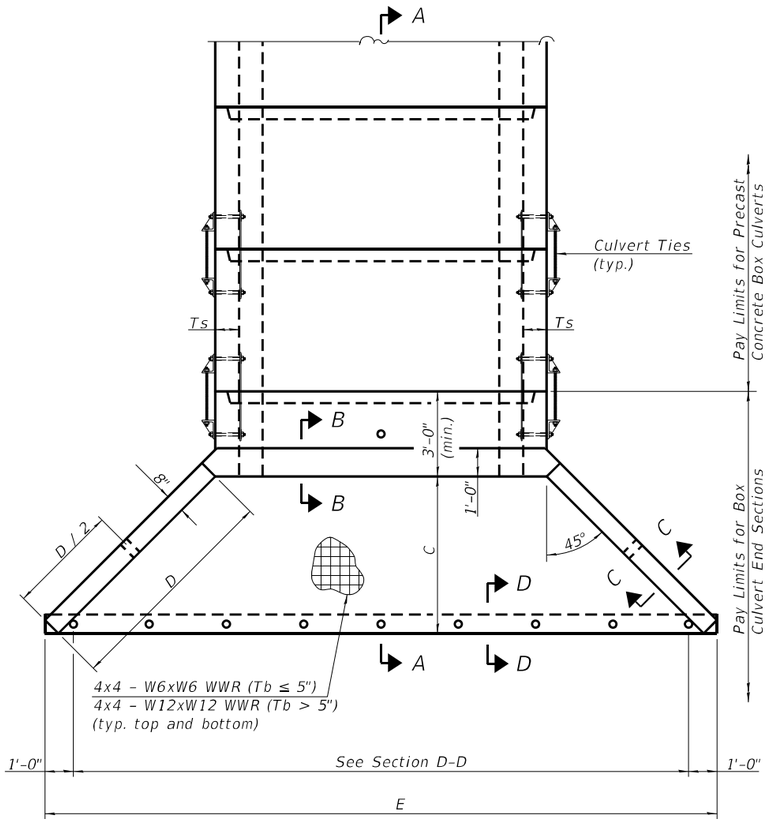
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5/4/2026 9:24:24 AM




END VIEW




SECTION A-A




PLAN

## APRON END SECTION DIMENSIONS

| Span (S) | Rise (R) | Tt | Tb | Ts | A | B | C | D | E | Concrete Cu. Yd. | Culvert Ties Required |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3'-0" | 2'-0" | 4" | 4" | 4" | 3'-1" | 2'-1" | 2'-7⅞" | 3'-9" | 9'-11" | 2.3 | Yes |

## GENERAL NOTES

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

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

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

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

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

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than ½" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included on the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

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

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

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

SCB-AES

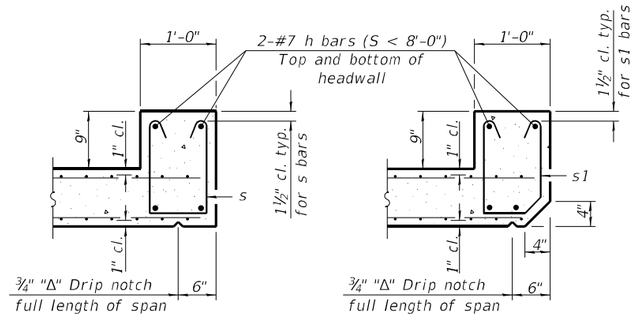
5-15-2023

(Sheet 1 of 2)

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| | CHECKED - MGH | REVISED - | | |
| PLOT SCALE = 0:2.0000 ':" / in. | DRAWN - BJD | REVISED - | | |
| PLOT DATE = 1/27/2026 | CHECKED - MGH | REVISED - | | SHEET 2 OF 6 SHEETS |

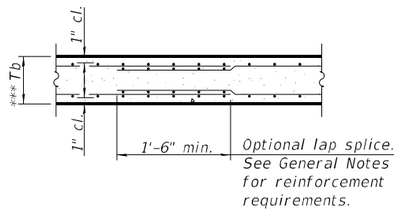
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| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS FED. AID PROJECT | | |



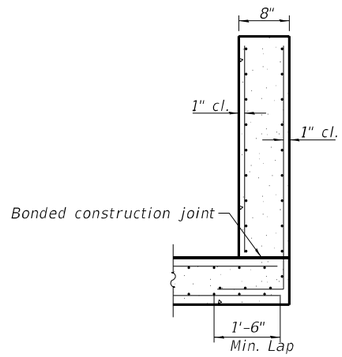

SECTION B-B
(Top slab at downstream end)



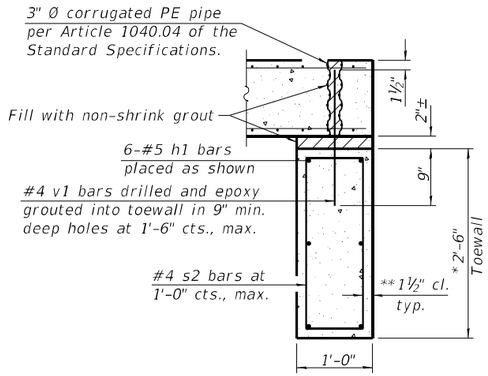

SECTION B-B
(Top slab at upstream end)



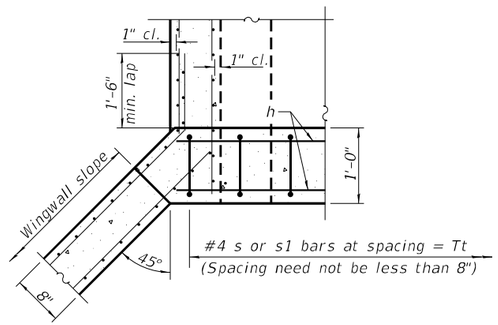

SECTION B-B
(Bottom Slab)
*** This dimension shall be increased by 2" for CIP construction.



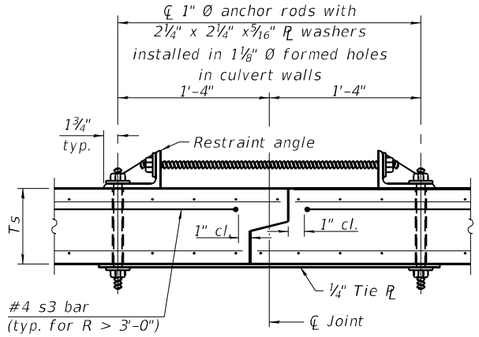

SECTION C-C




SECTION D-D




SECTION E-E



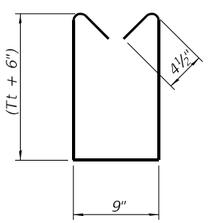

SECTION F-F
(Showing culvert tie details)

## TOEWALL CONSTRUCTION SEQUENCE

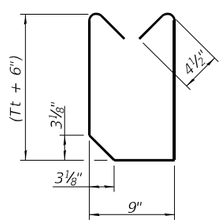
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids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

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

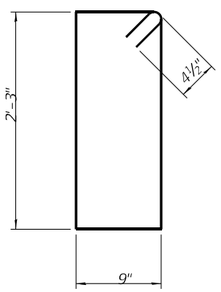
** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



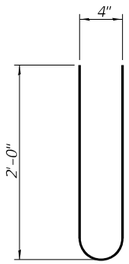

BAR s



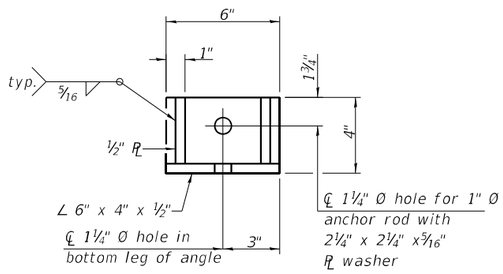

BAR s1



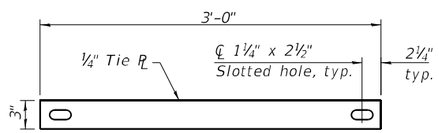

BAR s2




BAR s3




RESTRAINT ANGLE DETAIL




TIE PLATE DETAIL

Notes:
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2¼"x2¼"x5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional ½ turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

SCB-AES 5-15-2023

(Sheet 2 of 2)

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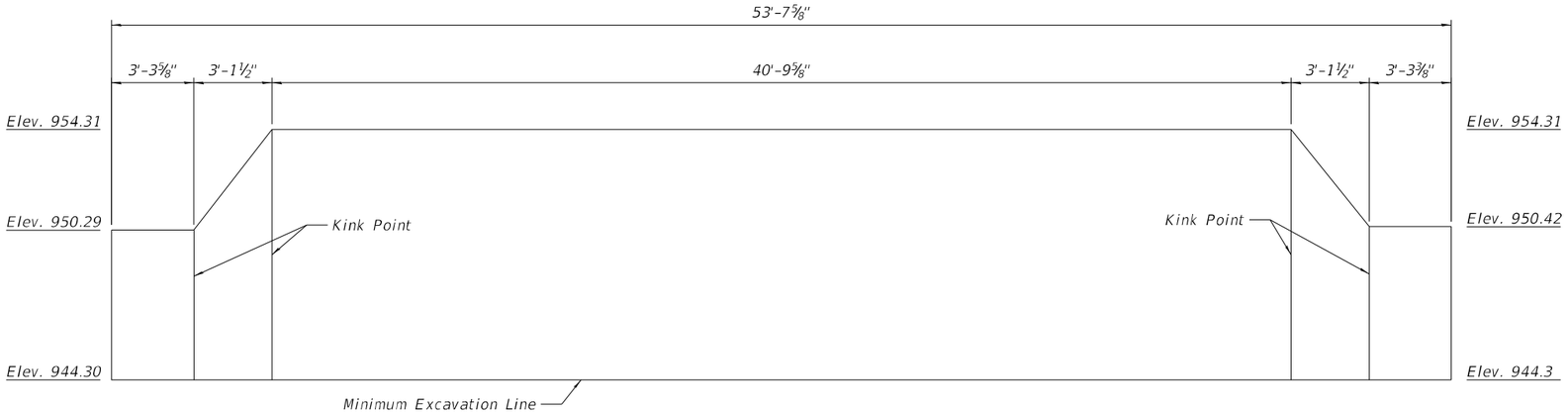
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| PLOT DATE = 1/27/2026 | | CHECKED - MGH | REVISED - | |

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

**PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS**

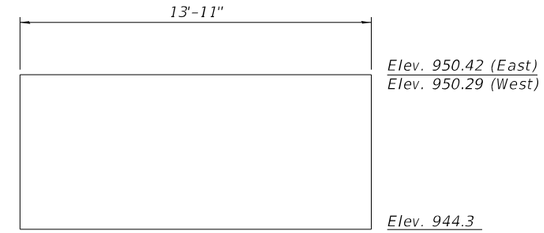
SHEET 3 OF 6 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
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| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

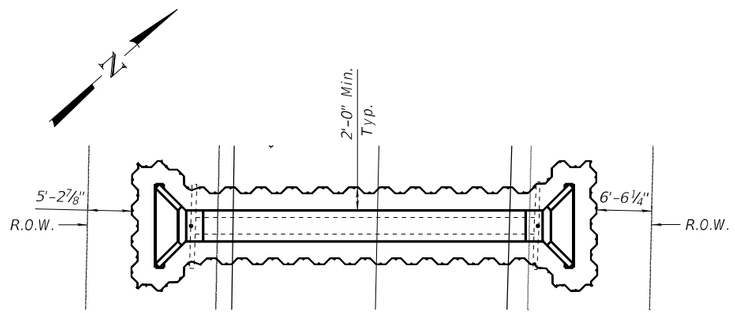



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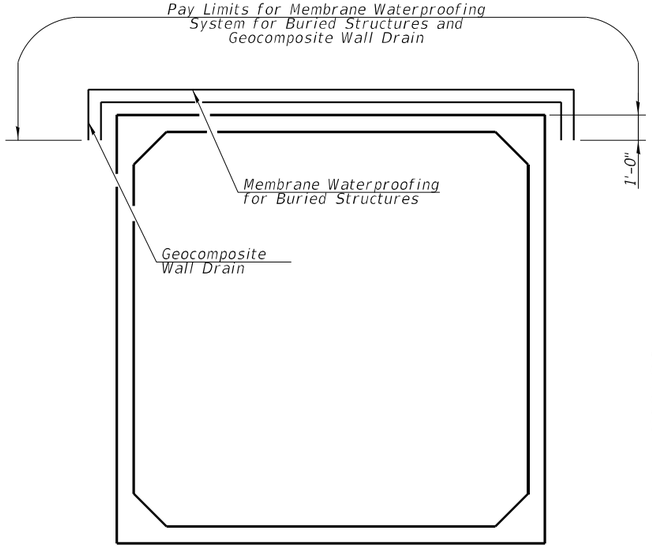
Showing North Wall
(South Wall Similar)




ELEVATION




KEY PLAN




SECTION THRU BARREL

Showing limits of Membrane Waterproofing
System for Buried Structures and
Geocomposite Wall Drain.

Note:
Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

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TEMPORARY SOIL RETENTION SYSTEM AND MISC. DETAILS

SHEET 4 OF 6 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 126 |
| | | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aftercut Court, Unit 204
Naperville, Illinois 60565
(630) 854-3160

GEO Job No. 23033

# SOIL BORING LOG

Page 1 of 2

Date 7/6/23

PROJECT PTB 205, Item 208, Work Order#06

LOCATION US-20 Culvert , Kane County IL, 60140

COUNTY Kane DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

CLIENT WSP

BORING NO. CB-1
Northing 1976426
Easting 946794
Ground Surface Elev. 954.3 ft

Surface Water Elev. n/a ft
Stream Bed Elev. n/a ft

Groundwater Elev.:
First Encounter Dry to 10 ft
Upon Completion ft
After Hrs. n/a ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | DRY DENSITY (pcf) | |
|---|---|---|---|---|---|
| | - | | | | 12.0" ASPHALT |
| 953.3 | - | | 6 | | |
| | - | | | | SANDY CLAY LOAM-dark gray-stiff |
| | 2 | | 17 | | |
| | 2 | | | | |
| | 3 | | | | |
| 950.6 | | | | | |
| | 1 | | | | ORGANIC SILTY LOAM-black-stiff |
| | 1 | | 18 | | |
| -5 | 2 | | | | |
| 948.3 | | | | | |
| | | ST | 30 | | SILTY CLAY LOAM-black-gray-very loose |
| 945.8 | | | | | |
| | 3 | | | | CLAY LOAM-brown-gray-medium stiff |
| | 3 | 1.00 | 14 | | |
| -10 | 3 | | | | |
| 943.3 | | | | | |
| | 4 | | | | CLAYEY SAND with GRAVEL-gray-loose to medium dense |
| | 4 | | 17 | | |
| | 3 | | | | |
| | 4 | | | | |
| | 3 | | 11 | | |
| -15 | 5 | | | | |
| | 4 | | | | |
| | 6 | | 15 | | |
| | 6 | | | | |
| 935.8 | | | | | |
| | 4 | | | | CLAY LOAM-gray-medium stiff to very stiff |
| | 5 | 2.50 | 12 | | |
| -20 | 6 | B | | | |

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | DRY DENSITY (pcf) | |
|---|---|---|---|---|---|
| | | | | | CLAY LOAM-gray-medium stiff to very stiff *(continued)* |
| | 4 | | | | |
| | 6 | 3.00 | 11 | | |
| | 9 | B | | | |
| | 6 | | | | |
| -25 | 5 | 1.00 | 13 | | |
| | 4 | B | | | |
| | 3 | | | | |
| | 4 | 0.50 | 13 | | |
| | 6 | B | | | |
| | 3 | | | | |
| | 4 | 1.00 | 13 | | |
| -30 | 4 | B | | | |
| 923.3 | | | | | |
| | 6 | | | | SILTY CLAYEY SAND-gray-medium dense |
| | 5 | | 16 | | |
| | 6 | | | | |
| 920.8 | | | | | |
| | 5 | | | | CLAY LOAM-gray-stiff to hard |
| | 6 | 1.00 | 16 | | |
| -35 | 8 | B | | | |
| | 5 | | | | |
| | 5 | 4.00 | 12 | | |
| | 6 | B | | | |
| | 5 | | | | |
| | 6 | 1.00 | 14 | | |
| 914.3 -40 | 7 | B | | | |

**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)**
**The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206).** GP-Geoprobe Hand Auger
**BBS, from 137 (Rev. 8-99)**

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aftercut Court, Unit 204
Naperville, Illinois 60565
(630) 854-3160

GEO Job No. 23033

# SOIL BORING LOG

Page 2 of 2

Date 7/6/23

PROJECT PTB 205, Item 208, Work Order#06

LOCATION US-20 Culvert , Kane County IL, 60140

COUNTY Kane DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

CLIENT WSP

BORING NO. CB-1
Northing 1976426
Easting 946794
Ground Surface Elev. 954.3 ft

Surface Water Elev. n/a ft
Stream Bed Elev. n/a ft

Groundwater Elev.:
First Encounter Dry to 10 ft
Upon Completion ft
After Hrs. n/a ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | DRY DENSITY (pcf) | |
|---|---|---|---|---|---|
| | | | | | End of boring at 40'. Grouted upon completion. |
| -45 | | | | | |
| -50 | | | | | |
| -55 | | | | | |
| -60 | | | | | |

**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)**
**The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206).** GP-Geoprobe Hand Auger
**BBS, from 137 (Rev. 8-99)**

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aanstad Court, Unit 204
Naperville, Illinois 60565
(630) 955-0100

GEO Job No. 23033

# SOIL BORING LOG

Page 1 of 2

Date 7/6/23

**PROJECT** PTB 205, Item 208, Work Order#06

**LOCATION** US-20 Culvert , Kane County IL, 60140

**COUNTY** Kane **DRILLING METHOD** HSA/Rotary **HAMMER TYPE** CME Automatic

**CLIENT** WSP

**BORING NO.** CB-2
**Northing** 1976445
**Easting** 946773
**Ground Surface Elev.** 954.4 ft

**Surface Water Elev.** n/a ft
**Stream Bed Elev.** n/a ft
**Groundwater Elev.:**
**First Encounter** Dry to 10 ft
**Upon Completion** n/a ft
**After** Hrs. n/a ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | DRY DENSITY (pcf) | DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | DRY DENSITY (pcf) |
|---|---|---|---|---|---|---|---|---|---|
| 12.0" ASPHALT and CONCRETE | | | | | SAND with CLAY-gray-medium dense *(continued)* | | | | |
| 953.4 | | | 1 | | | 4 | | | |
| Crushed Stone | | | | | | 5 7 | | 15 | |
| 952.4 | | | | | | | | | |
| | | | | | 930.9 | | | | |
| ORGANIC SILTY CLAY LOAM-medium stiff to stiff | 1 | | | | CLAY LOAM-gray-stiff to very stiff | 4 | | | |
| | 3 3 | 1.00 B | 36 | | | 4 7 | 3.50 B | 11 | |
| -5 | 0 | | | | -25 | 4 | | | |
| | 1 1 | 0.50 B | 34 | | | 5 7 | 3.00 B | 9 | |
| 946.4 | | | | | | | | | |
| SILTY LOAM-gray | | ST | 27 | | | 6 | | | |
| 944.4 -10 | | | | | -30 | 6 8 | 3.00 B | 11 | |
| | 1 | | | | | 6 | | | |
| | 2 2 | | 21 | | | 6 9 | 2.00 B | 13 | |
| | 1 | | | | | 14 | | | |
| | 1 1 | | 24 | | | 7 5 | 1.00 B | 12 | |
| -15 | | | | | -35 | | | | |
| | 4 | | | | 918.4 | 4 | | | |
| SAND with CLAY-gray-medium dense | 5 7 | | 21 | | CLAY with GRAVEL-gray-very stiff | 7 9 | 2.00 B | 13 | |
| | 8 | | | | 915.9 | 4 | | | |
| | 6 10 | | 16 | | CLAY LOAM-gray-very stiff | 6 10 | 2.50 B | 12 | |
| -20 | | | | | 914.4 -40 | | | | |

**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)**
**The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206).** GP-Geoprobe Hand Auger
**BBS, from 137 (Rev. 8-99)**

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aanstad Court, Unit 204
Naperville, Illinois 60565
(630) 955-0100

GEO Job No. 23033

# SOIL BORING LOG

Page 2 of 2

Date 7/6/23

**PROJECT** PTB 205, Item 208, Work Order#06

**LOCATION** US-20 Culvert , Kane County IL, 60140

**COUNTY** Kane **DRILLING METHOD** HSA/Rotary **HAMMER TYPE** CME Automatic

**CLIENT** WSP

**BORING NO.** CB-2
**Northing** 1976445
**Easting** 946773
**Ground Surface Elev.** 954.4 ft

**Surface Water Elev.** n/a ft
**Stream Bed Elev.** n/a ft
**Groundwater Elev.:**
**First Encounter** Dry to 10 ft
**Upon Completion** n/a ft
**After** Hrs. n/a ft

| DEPTH (ft) | BLOWS (/6") | UCS Qu (tsf) | MOIST (%) | DRY DENSITY (pcf) |
|---|---|---|---|---|
| EOB @ 40'. Grouted upon completion. | | | | |
| -45 | | | | |
| -50 | | | | |
| -55 | | | | |
| -60 | | | | |

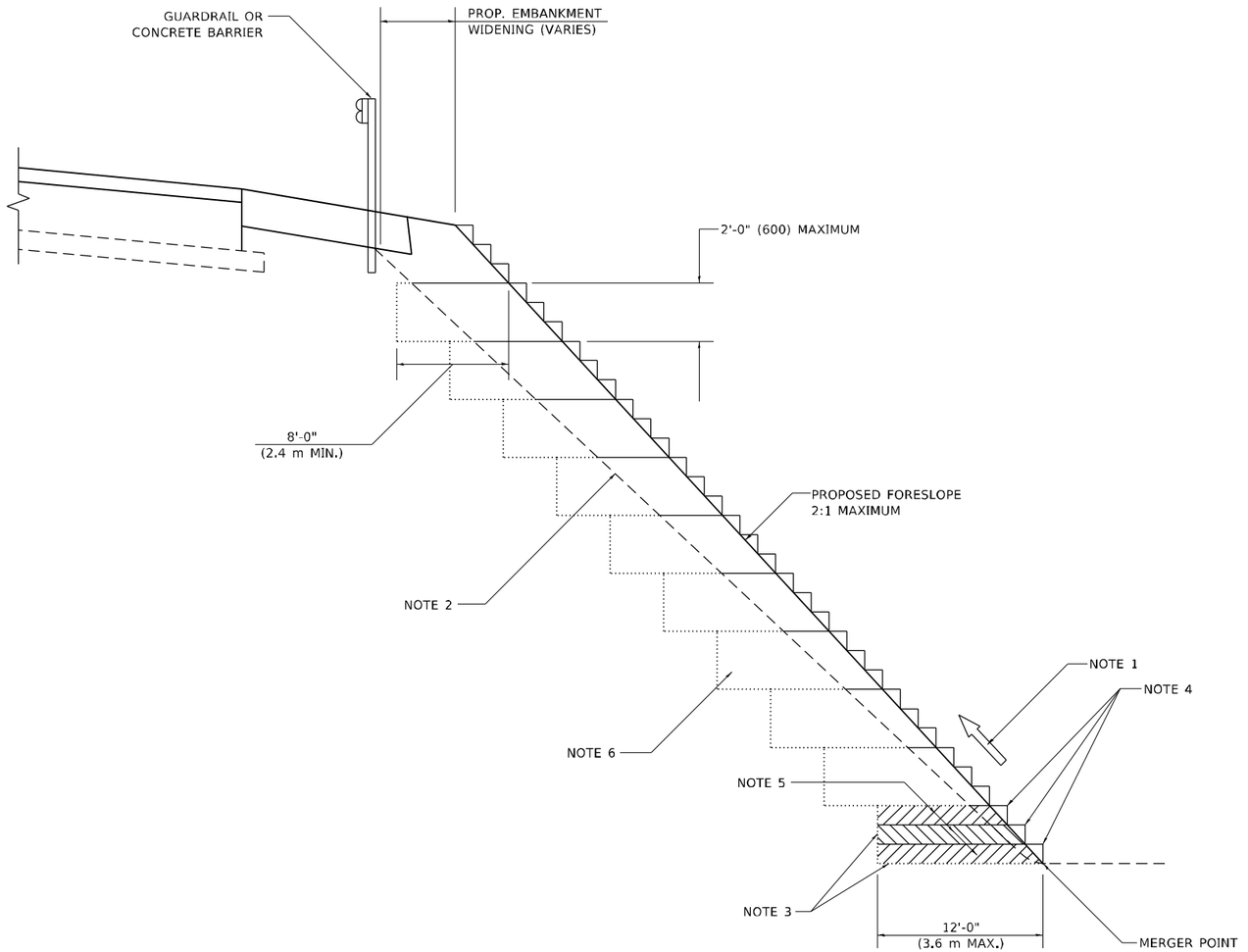
**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)**
**The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206).** GP-Geoprobe Hand Auger
**BBS, from 137 (Rev. 8-99)**

Z:\PROJECTS\2023\23033 WSP IDOT PTB 205-008, WORK ORDER 6 - US 20 CULVERT\23033 BORING LOGS.GPJ 8/1/23

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1/27/2026 8:40:06 PM

| | | | | |
|---|---|---|---|---|
| USER NAME = USBD715158 | DESIGNED - BJD | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SOIL BORING LOGS - 2 |
| | CHECKED - MGH | REVISED - | | |
| PLOT SCALE = 0:2.0000 ':' / in. | DRAWN - BJD | REVISED - | | SHEET 6 OF 6 SHEETS |
| PLOT DATE = 1/27/2026 | CHECKED - MGH | REVISED - | | |

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 345 | 2023 VAR DRAINAGE | KANE | 136 | 128 |
| | | CONTRACT NO. 62V08 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## TYPICAL BENCHING DETAIL FOR EMBANKMENT

### GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

### BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
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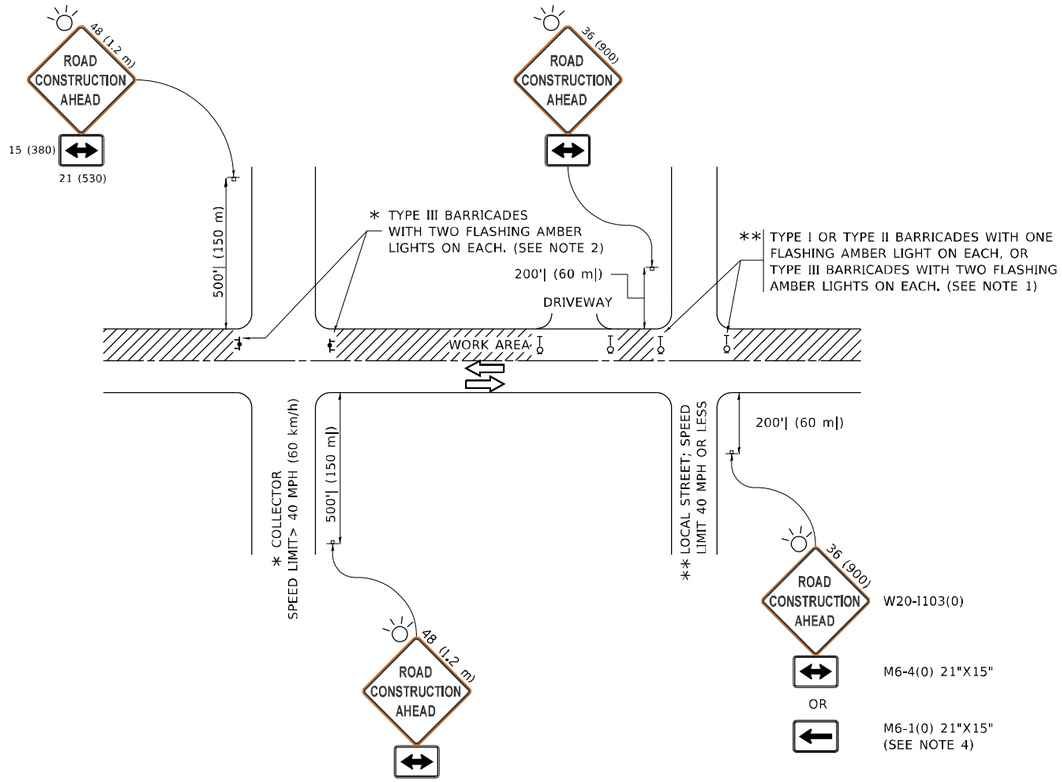
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|---|---|---|---|
| USER NAME = Lawrence.DeManche | DESIGNED - | REVISED - | K. SMITH 11-18-22 |
| | DRAWN - CADD | REVISED - | |
| PLOT SCALE = 100.0000 ' / In. | CHECKED - S.E.B. | REVISED - | |
| PLOT DATE = 11/18/2022 | DATE - 06-16-04 | REVISED - | |

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

**BENCHING DETAIL**
**FOR EMBANKMENT WIDENING**

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VARIOUS DRAINAGE | VARIOUS | 136 | 129 |
| | **BD-51** | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

| | | | |
|---|---|---|---|
| USER NAME = footem] | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 | |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - A. SCHUETZE 07-01-13 | |
| PLOT DATE = 3/4/2019 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 | |

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

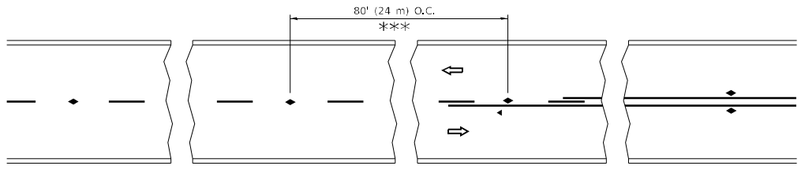
**TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VARIOUS DRAINAGE | VARIOUS | 136 | 130 |
| | TC-10 | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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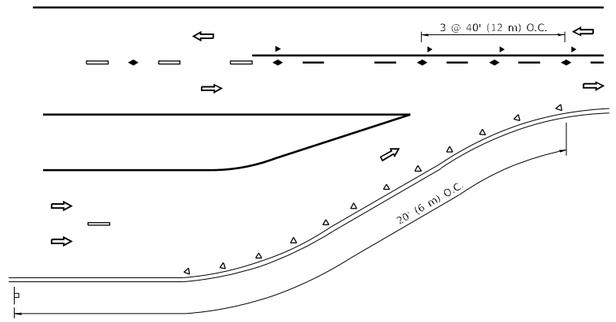
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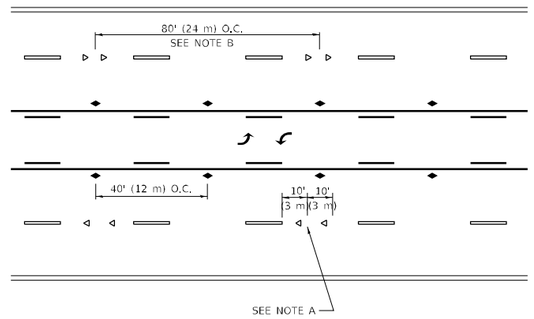

*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

## TWO–LANE/TWO–WAY

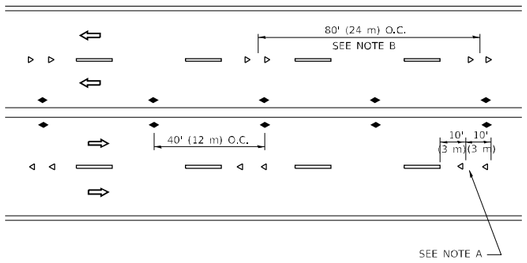
SEE FIGURE 3B-14 MUTCD



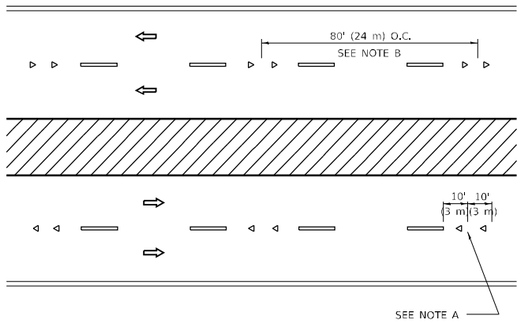

## LANE REDUCTION TRANSITION



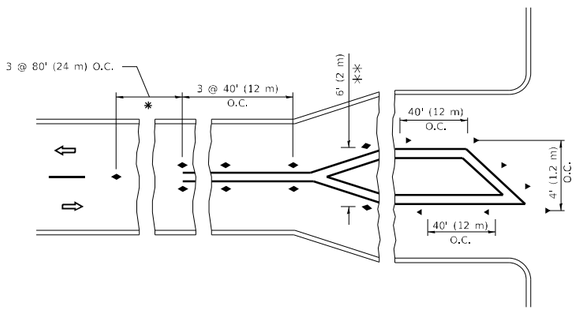

## TWO–WAY LEFT TURN

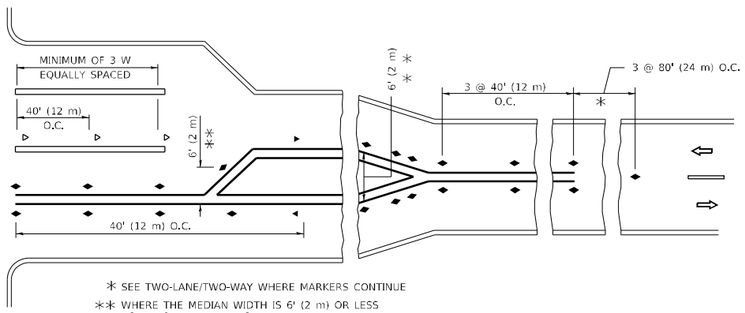



## MULTI–LANE/UNDIVIDED




## MULTI–LANE/DIVIDED




* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

## TURN LANES

## GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

## SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

## LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

## DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = footemj | DESIGNED - | REVISED - T. RAMMACHER 03-12-99 | |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - C. JUCIUS 09-09-09 | |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - C. JUCIUS 07-01-13 | |

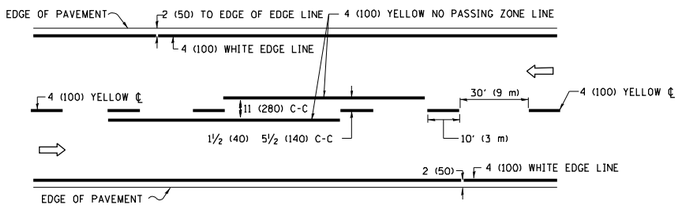
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS**
**RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)**

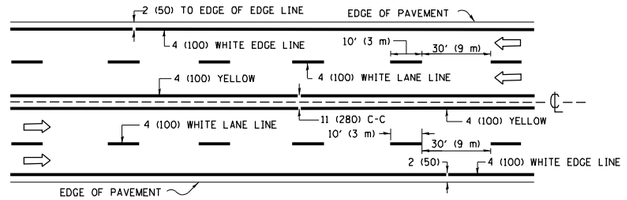
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| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VAR DRAINAGE | VARIOUS | 136 | 131 |
| | TC–11 | CONTRACT NO. 62V08 | | |
| | ILLINOIS | FED. AID PROJECT | | |

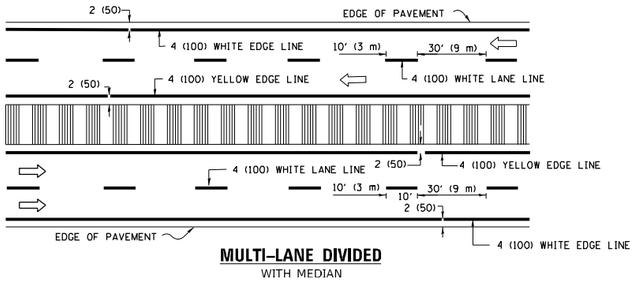
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## 2–LANE ROADWAY

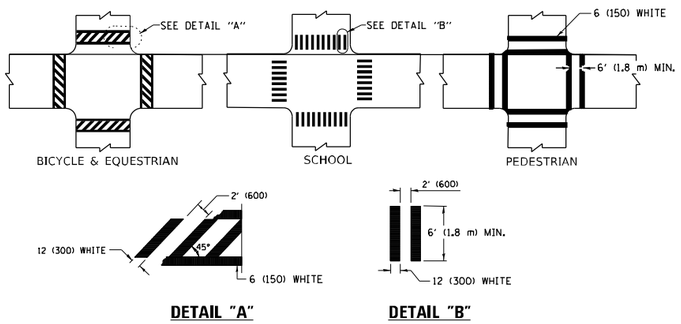



## MULTI–LANE UNDIVIDED




## MULTI–LANE DIVIDED
WITH MEDIAN

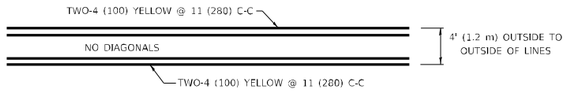
## TYPICAL LANE AND EDGE LINE MARKING



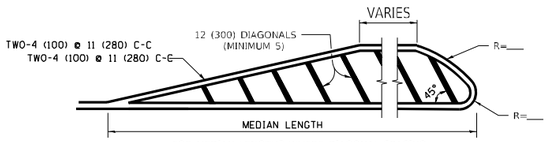

**DETAIL "A"** **DETAIL "B"**

## TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



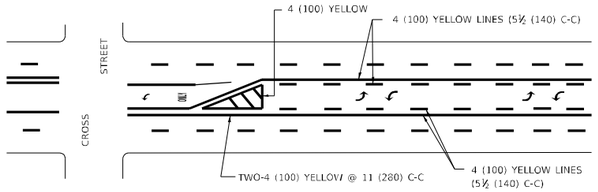

## 4' (1.2 m) WIDE MEDIANS ONLY



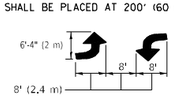

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

## MEDIANS OVER 4' (1.2 m) WIDE

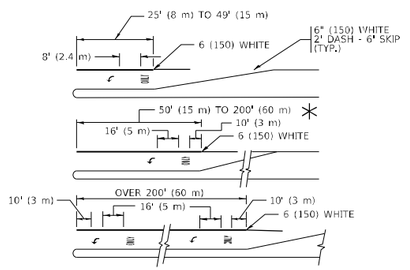



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.




## MEDIAN WITH TWO–WAY LEFT TURN LANE

## TYPICAL PAINTED MEDIAN MARKING

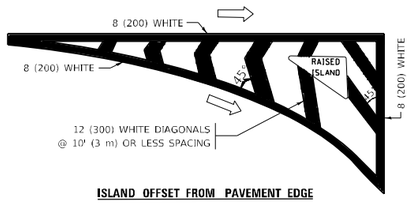



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m ²

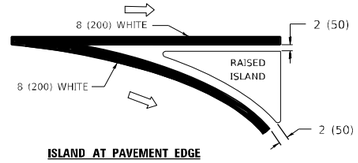
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

## TYPICAL LEFT (OR RIGHT) TURN LANE

## TYPICAL TURN LANE MARKING

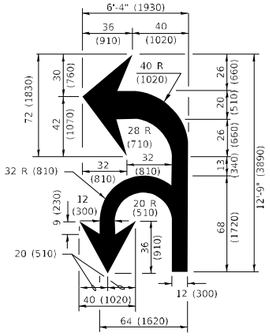



**ISLAND OFFSET FROM PAVEMENT EDGE**

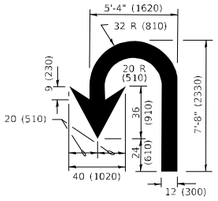



**ISLAND AT PAVEMENT EDGE**

## TYPICAL ISLAND MARKING

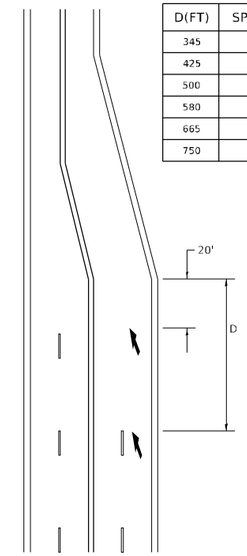



## COMBINATION LEFT AND U–TURN




## U–TURN

| D(FT) | SPEED LIMIT |
|---|---|
| 345 | 30 |
| 425 | 35 |
| 500 | 40 |
| 580 | 45 |
| 665 | 50 |
| 750 | 55 |




## LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|---|---|---|---|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES:<br>FOR ONE DIRECTION<br>FOR BOTH DIRECTIONS | 4 (100)<br>2 @ 4 (100) | SOLID<br>SOLID | YELLOW<br>YELLOW | 5½ (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100)<br>5 (125) ON FREEWAYS | SKIP-DASH<br>SKIP-DASH | WHITE<br>WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES<br>(EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT<br>WHITE-RIGHT | OUTLINE MEDIANS IN YELLOW |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100)<br>EACH DIRECTION<br><br>8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW<br><br>WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE<br>SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90° | SOLID<br>SOLID<br>SOLID | WHITE<br>WHITE<br>WHITE | NOT LESS THAN 6' (1.8 m) APART<br>2' (600) APART<br>2' (600) APART<br>SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°<br>NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW:<br>TWO WAY TRAFFIC<br>WHITE:<br>ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))<br>30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001<br>AREA OF:<br>"R"=3.6 SQ. FT. (0.33 m ² EACH<br>"X"=54.0 SQ. FT. (5.0 m ² |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8' ) | 12 (300) @ 45° | SOLID | WHITE - RIGHT<br>YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>150' (45 m) C-C (OVER 45MPH (70 km/h)) |
| U TURN ARROW | SEE DETAIL | SOLID | WHITE | 16.3 SF |
| 2 ARROW COMBINATION LEFT AND U TURN | SEE DETAIL | SOLID | WHITE | 30.4 SF |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

MODEL: Default
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| | | | |
|---|---|---|---|
| USER NAME = footemj | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 | |
| | DRAWN - | REVISED - C. JUCIUS 07-01-13 | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - C. JUCIUS 12-21-15 | |
| PLOT DATE = 3/4/2019 | DATE - 03-19-90 | REVISED - C. JUCIUS 04-12-16 | |

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

**DISTRICT ONE**
**TYPICAL PAVEMENT MARKINGS**

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VARIOUS DRAINAGE | VARIOUS | 136 | 132 |
| | TC-13 | CONTRACT NO. 62V08 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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## TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

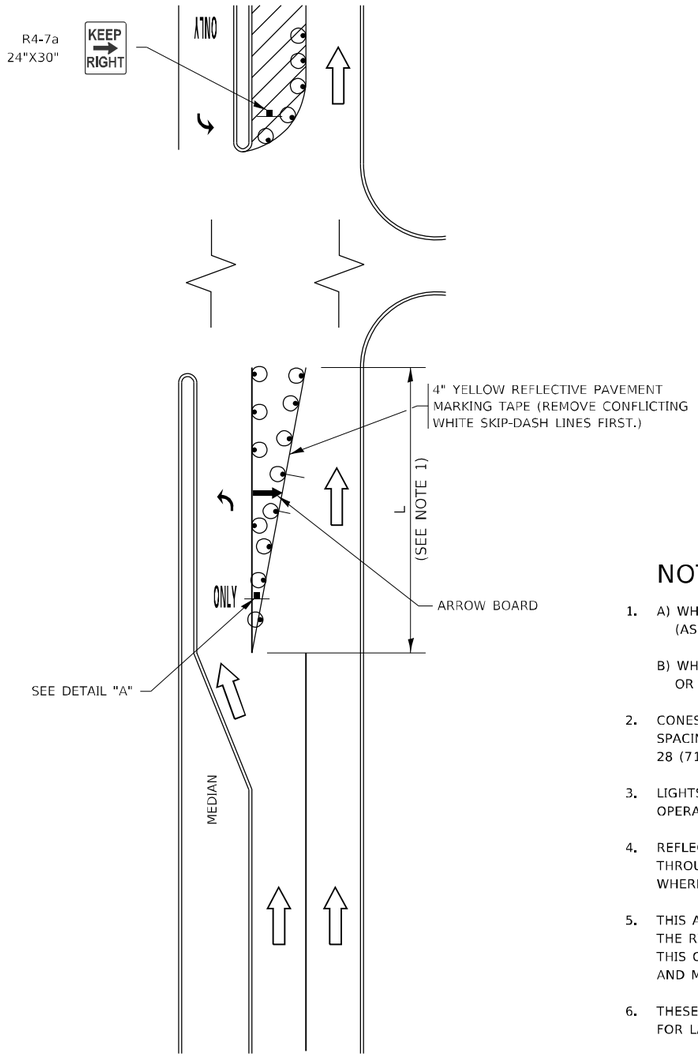



**FIGURE 1**

## LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

## NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

## TURN BAY ENTRANCE WITHIN A LANE CLOSURE

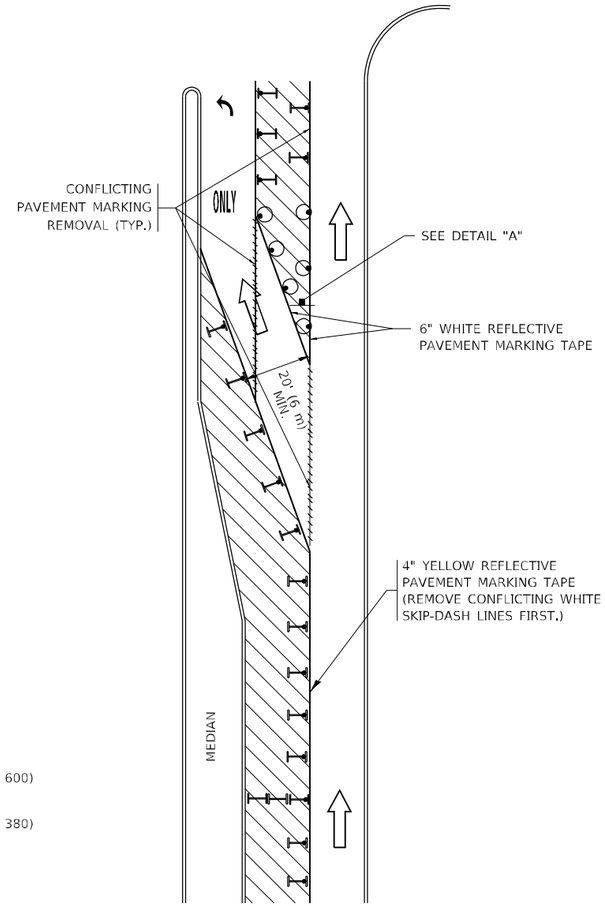
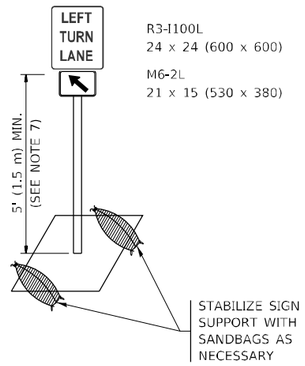



**FIGURE 2**




**DETAIL A**

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

MODEL: Default
FILE NAME: pw:\\IDOTPRINTFG.illinois.gov:PrintDOTDocuments\DOT Offices\District 1\Projects\Bridge Std 2x3\Cad\tafal\C4D\sheet\stc14.dgn

| | | | |
|---|---|---|---|
| USER NAME = footemj | DESIGNED - T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 | |
| | DRAWN - A. HOUSEH 11-07-95 | REVISED - A. SCHUETZE 07-01-13 | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - A. HOUSEH 10-12-96 | REVISED - A. SCHUETZE 09-15-16 | |
| PLOT DATE = 3/4/2019 | DATE - T. RAMMACHER 01-06-00 | REVISED - | |

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

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VARIOUS DRAINAGE | VARIOUS | 136 | 133 |
| | TC-14 | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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## ROUTE MARKERS

30 — FOR U.S. ROUTES
M1-40-2424

ILL 53 — FOR ILLINOIS ROUTES
M1-50-2424

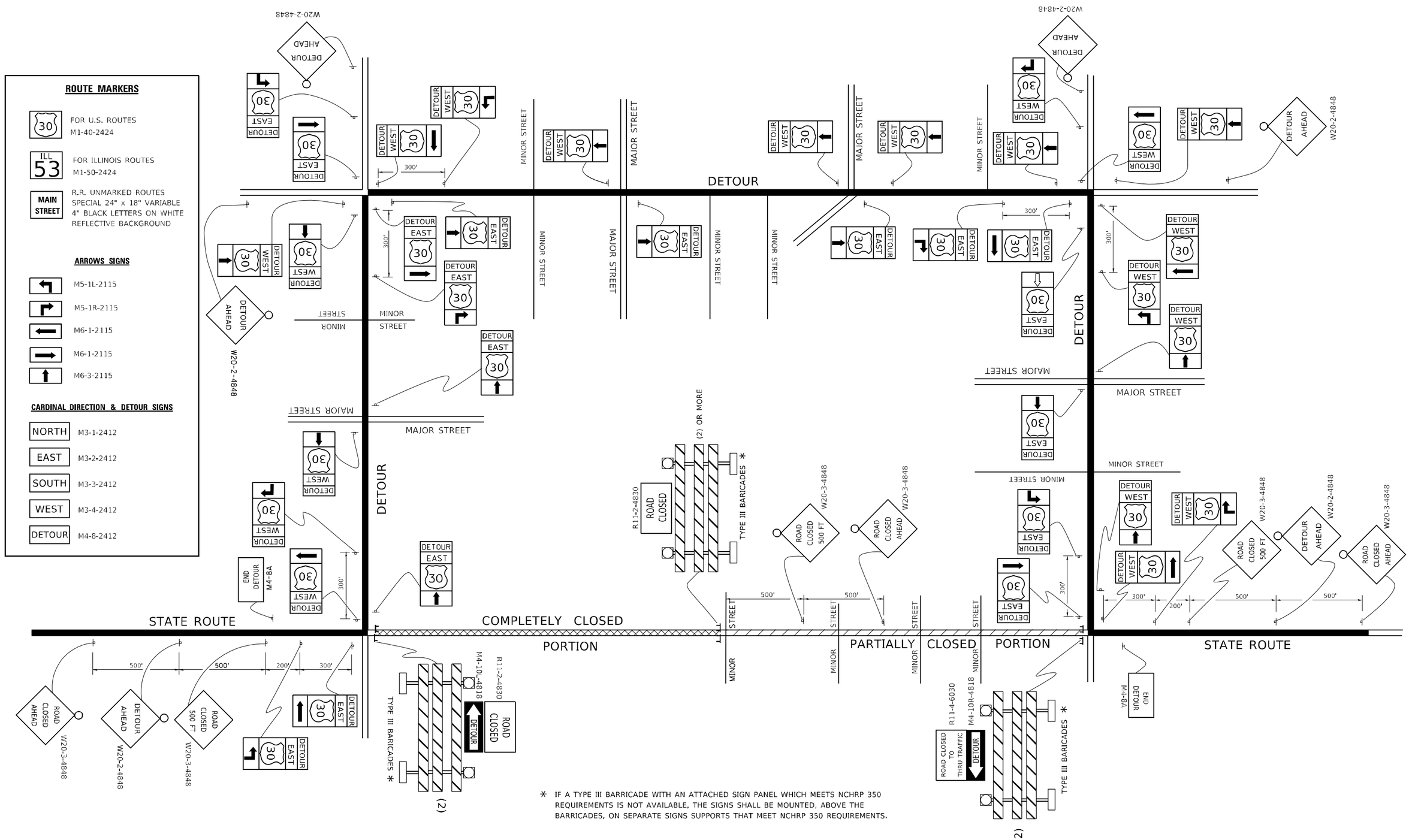
MAIN STREET — R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

### ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

### CARDINAL DIRECTION & DETOUR SIGNS

- NORTH — M3-1-2412
- EAST — M3-2-2412
- SOUTH — M3-3-2412
- WEST — M3-4-2412
- DETOUR — M4-8-2412




* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

MODEL: Default
FILE NAME: pw:\\IL084FRBINTEC.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Std223-3\CADData\CADSheets\tc21.dgn

| | | | |
|---|---|---|---|
| USER NAME = footemj | DESIGNED - | REVISED - 10-18-02 | |
| | DRAWN - | REVISED - R. BORO 09-14-09 | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - | |

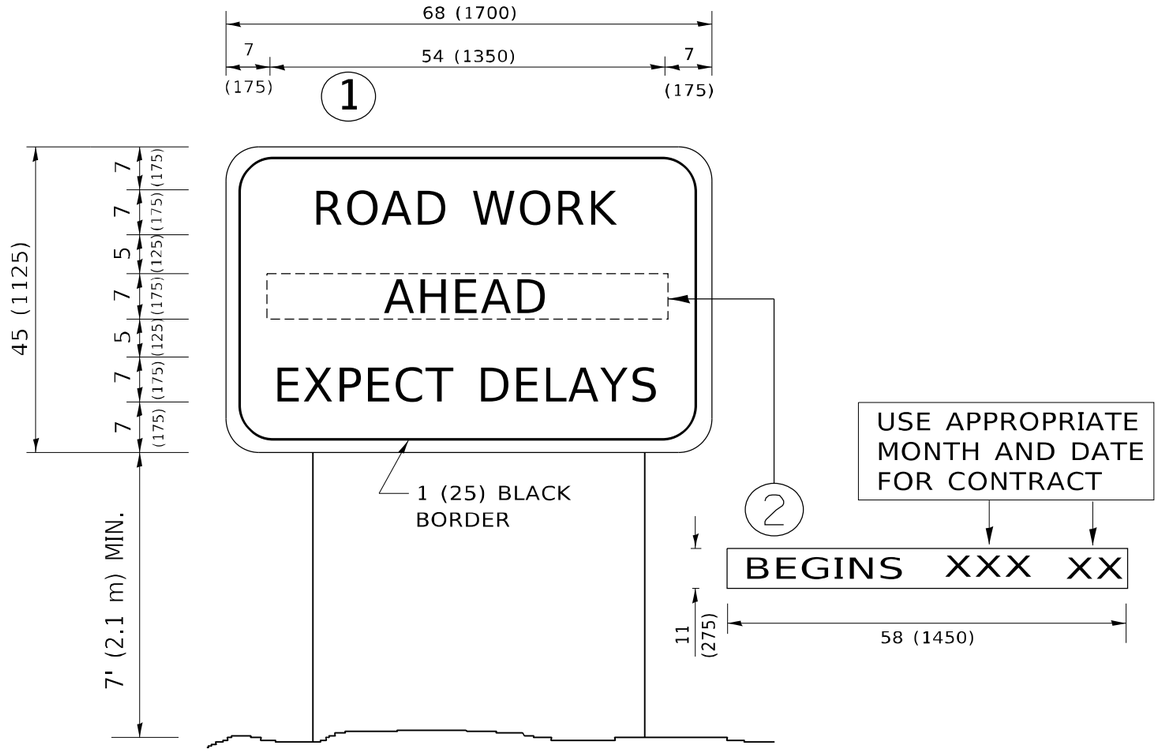
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING FOR CLOSING STATE HIGHWAYS**

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VARIOUS DRAINAGE | VARIOUS | 136 | 134 |
| | TC-21 | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

tc21.dgn 3/4/2019 10:46:33 AM User:footemj




# NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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| | | | |
|---|---|---|---|
| USER NAME = footemj | DESIGNED - | REVISED - | R. MIRS 09-15-97 |
| | DRAWN - | REVISED - | R. MIRS 12-11-97 |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED | -T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - | C. JUCIUS 01-31-07 |

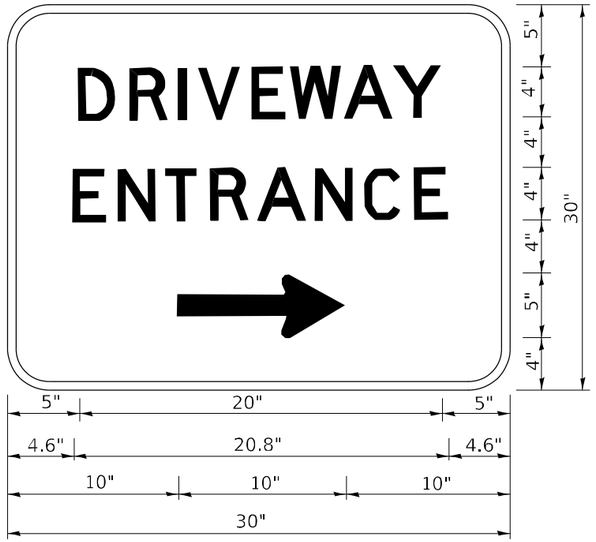
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD INFORMATION SIGN**

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VARIOUS DRAINAGE | VARIOUS | 136 | 135 |
| | TC-22 | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: Default
FILE NAME: pw:\\planroom.dot.illinois.gov:PWROOT\Documents\ROOT Offices\District 1 Projects\Bid Sets\22x31\CAD\Data\CADSheets\tc26.dgn

| | | | |
|---|---|---|---|
| USER NAME = leysa | DESIGNED - | REVISED - C. JUCIUS 02-15-07 | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 50.0000 ' / in. | CHECKED - | REVISED - | |
| PLOT DATE = 8/6/2021 | DATE - | REVISED - | |

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

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| VAR. | 2023 VARIOUS DRAINAGE | VARIOUS | 136 | 136 |
| | TC-26 | CONTRACT NO. 62V08 | | |
| | ILLINOIS FED. AID PROJECT | | | |

tc26.dgn 8/6/2021 8:37:02 AM User:leysa