

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF CRETE AND UNINCORPORATED CRETE AND WASHINGTON TOWNSHIPS

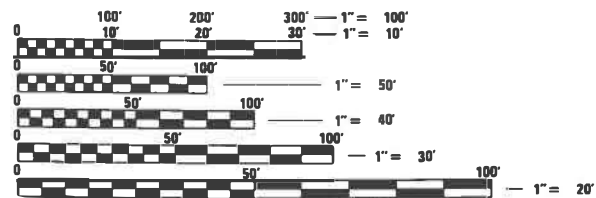
- |   |  |  |
|---|--|--|
| <p><b>LOCATION 1</b><br/>IL 1 (S DIXIE HWY)<br/>2019 ADT = 4,050<br/>SPEED LIMIT = 45 MPH<br/>FUNCTIONAL CLASS:<br/>OTHER PRINCIPAL ARTERIAL</p>      | <p><b>LOCATION 2</b><br/>IL 1 (S DIXIE HWY)<br/>2019 ADT = 5,300<br/>SPEED LIMIT = 45 MPH<br/>FUNCTIONAL CLASS:<br/>OTHER PRINCIPAL ARTERIAL</p> | <p><b>LOCATION 3</b><br/>IL 1 (S DIXIE HWY)<br/>2019 ADT = 6,800<br/>SPEED LIMIT = 45 MPH<br/>FUNCTIONAL CLASS:<br/>OTHER PRINCIPAL ARTERIAL</p> |
| <p><b>LOCATION 4</b><br/>IL 1 (S DIXIE HWY)<br/>2019 ADT = 6,800<br/>SPEED LIMIT = 45 MPH<br/>FUNCTIONAL CLASS:<br/>OTHER PRINCIPAL ARTERIAL</p>      | <p><b>LOCATION 5</b><br/>IL 1 (S DIXIE HWY)<br/>2019 ADT = 5,550<br/>SPEED LIMIT = 45 MPH<br/>FUNCTIONAL CLASS:<br/>OTHER PRINCIPAL ARTERIAL</p> | <p><b>LOCATION 6</b><br/>IL 1 (S DIXIE HWY)<br/>2019 ADT = 5,550<br/>SPEED LIMIT = 45 MPH<br/>FUNCTIONAL CLASS:<br/>OTHER PRINCIPAL ARTERIAL</p> |
| <p><b>LOCATION 7</b><br/>IL 394 (CALUMET EXPWY)<br/>2019 ADT = 11,100<br/>SPEED LIMIT = 55 MPH<br/>FUNCTIONAL CLASS:<br/>OTHER PRINCIPAL ARTERIAL</p> |  |  |



QUIGG ENGINEERING INC.  
JAMEEL AHMED, P.E.  
#062-061172  
DATE: 11/30/2023 04/29/2022  
SIGNATURE AND SEAL  
APPLY TO DRAWINGS:  
1-43 & 59-83



QUIGG ENGINEERING INC.  
KEITH W BENTING, S.E.  
#081-004777  
DATE: 11/30/2022 04/29/2022  
SIGNATURE AND SEAL  
APPLY TO DRAWINGS:  
44-58



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

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

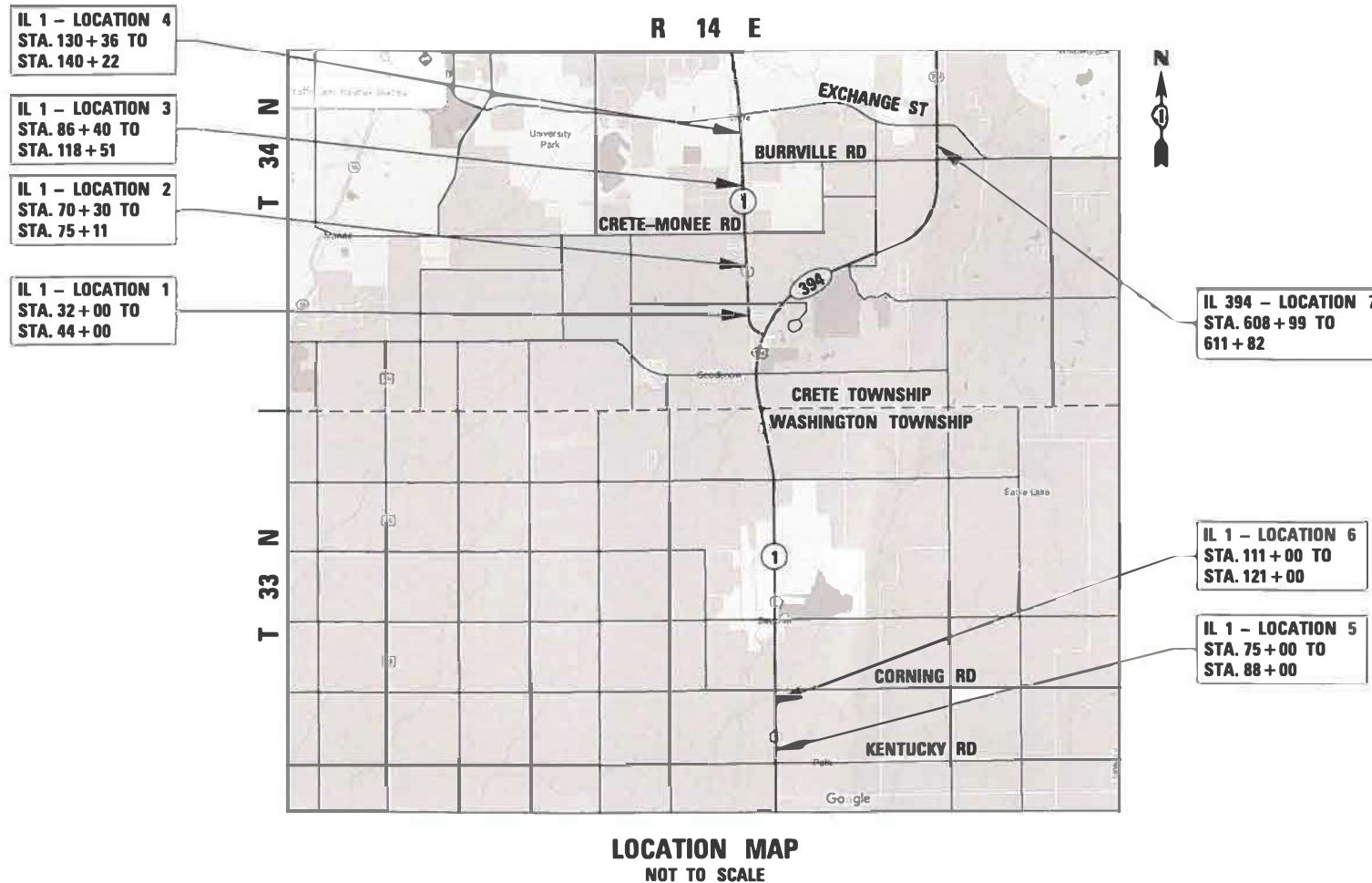
PROJECT ENGINEER: VESELIN VELICHKOV, PE (847) 705-4432  
PROJECT MANAGER: FAWAD AQUEEL, PE PTOE

CONTRACT NO. 62N27

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED  
HIGHWAY PLANS**

FAP RTE 876: IL 1: EXCHANGE ST TO KENTUCKY RD  
FAP RTE 332: IL 394: 0.2 MI S OF EXCHANGE ST  
PROJECT: NHPP-QTBN(011)  
SECTION: 2020-257-T  
DRAINAGE AND GRADING (CULVERT REHABILITATION)  
WILL COUNTY  
C-91-085-21



LOCATION MAP  
NOT TO SCALE

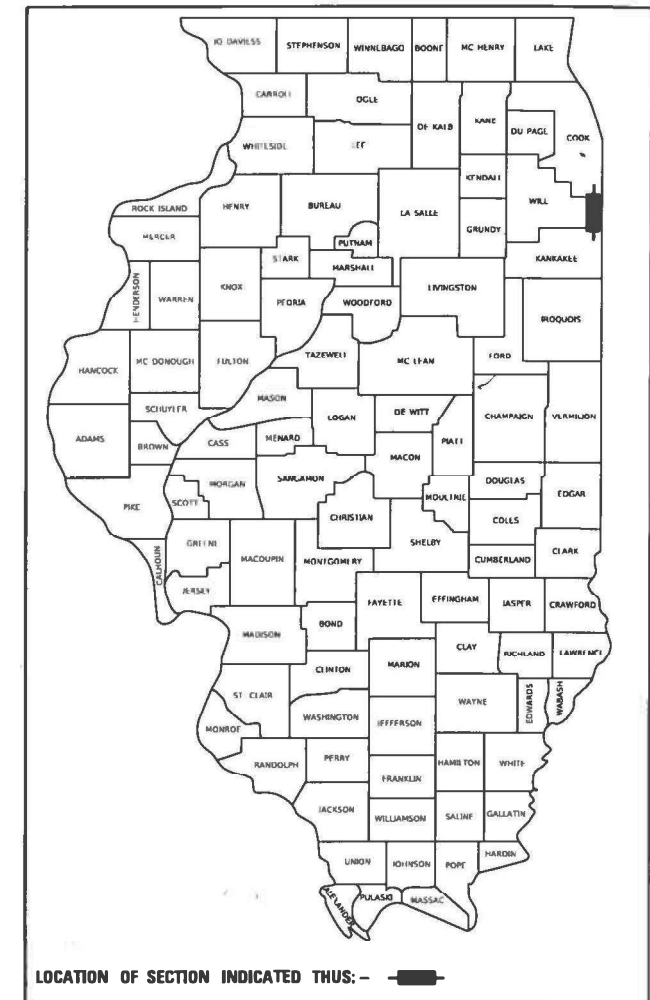
GROSS LENGTH = 8,550 FT. = 1.62 MILES  
NET LENGTH = 8,550 FT. = 1.62 MILES

**QEI**  
QUIGG ENGINEERING INC.  
111 S. WACKER DR. SUITE 3910  
CHICAGO, ILLINOIS 60606  
312-500-5229 (P)  
www.quiggengineering.com

| F.A. RTE. | SECTION    | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-----------|------------|----------|--------------------|-----------|
| *         | 2020-257-T | WILL     | 83                 | 1         |
|           |            | ILLINOIS | CONTRACT NO. 62N27 |           |

\* 867 & 332

D-91-069-21



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED MAY 5 20 22  
Jose Rio (CR)  
REGIONAL ENGINEER

July 1, 2022  
Steph M. Smith  
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2022  
Steph M. Smith  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

|       |   |
|-------|---|
| 1     | COVER SHEET   |
| 2     | INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES  |
| 3-9   | SUMMARY OF QUANTITIES   |
| 10-12 | SCHEDULE OF QUANTITIES  |
| 13-19 | ALIGNMENT, TIES AND BENCHMARKS  |
| 20-21 | TYPICAL SECTIONS  |
| 22-23 | MAINTENANCE OF TRAFFIC LOCATION 2   |
| 24-25 | MAINTENANCE OF TRAFFIC LOCATION 7   |
| 26-35 | PLAN AND PROFILE LOCATION 1 - LOCATION 7  |
| 36    | DROP MANHOLE DETAILS LOCATION 7   |
| 37-43 | EROSION AND SEDIMENT CONTROL LOCATION 1 - LOCATION 7  |
| 44-46 | CULVERT REHABILITATION - IL 1 STA 72+32.12  |
| 47-50 | CULVERT REHABILITATION - IL 1 STA 73+85.40  |
| 51-58 | SLOPE STABILIZATION - IL 394 STA 611+00   |
| 59-77 | CROSS SECTIONS LOCATION 1 - LOCATION 7  |
| 78    | BD-01 DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15'(4.5M) |
| 79    | BD-51 BENCHING DETAIL FOR EMBANKMENT WIDENING   |
| 80    | TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTION, AND DRIVEWAYS              |
| 81    | TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS  |
| 82    | TC-22 ARTERIAL ROAD INFORMATION SIGN  |
| 83    | TC-26 DRIVEWAY ENTRANCE SIGNING   |

**HIGHWAY STANDARDS**

|           |   |
|-----------|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                                    |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS   |
| 482001-02 | HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT                                      |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION                                  |
| 542411    | SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15" (375mm) THRU 60" (1500mm) DIA.  |
| 602011-02 | CATCH BASIN, TYPE C   |
| 602401-07 | PRECAST MANHOLE TYPE A 4FT DIAMETER   |
| 602411-09 | PRECAST MANHOLE, TYPE A, 7' (2.13 m) DIAMETER                                   |
| 604001-05 | FRAME AND LIDS, TYPE 1  |
| 604036-03 | GRATE TYPE 8  |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL  |
| 631006-08 | TRAFFIC BARRIER TERMINAL, TYPE 1B   |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2  |
| 642006-01 | SHOULDER RUMBLE STRIPS, 8 IN.   |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15'(4.5M) TO 24" (600MM) FROM PAVEMENT EDGE          |
| 701101-05 | OFF-RD OPERATIONS, MULTILANE, 15'(4.5M) TO 24" (600MM) FROM PAVEMENT EDGE       |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, MORE THAN 15'(4.5M) AWAY                          |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS                                     |
| 701421-08 | LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH     |
| 701422-10 | LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH                          |
| 701423-10 | LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS ≥ 45 MPH TO 55 MPH            |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH |
| 701606-10 | URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN                  |
| 701901-08 | TRAFFIC CONTROL DEVICES   |
| 704001-08 | TEMPORARY CONCRETE BARRIER  |
| 782006-01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS                           |

**GENERAL NOTES**

- THESE PLANS HAVE BEEN PREPARED FROM INFORMATION ACQUIRED FROM EXISTING PLANS AND NOTES RECEIVED FROM IDOT FIELD MAINTENANCE ENGINEERS.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO VARIATIONS FOUND IN THE FIELD. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. ANY ADJUSTMENTS PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE.
- FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) OR 811 FOR LOCATIONS OF THE EXISTING UTILITIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV FOR ARTERIALS A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, IDOT'S AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT Eric.Campos@Illinois.gov A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ACCESS SHALL BE PROVIDED AT ALL TIMES TO PROPERTIES ABUTTING THE PROPOSED IMPROVEMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- RIGHT-OF-WAY ON THIS PROJECT HAS BEEN ESTIMATED AND NOT VERIFIED.
- 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. AS OF THE LETTING DATE CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) 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 IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS, WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM /WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

| UTILITY CONTACTS |                             |   |              |
|------------------|-----------------------------|---|--------------|
| TYPE             | UTILITY                     | CONTACT   | TELEPHONE #  |
| NATURAL GAS      | TC ENERGY PIPELINES LIMITED | MS. KAREN MACEJEWSKI<br>700 LOUISIANA ST<br>HOUSTON, TX 77002   | 832-320-5414 |
| TELEPHONE        | AT&T                        | MS. JANET C. AHERN<br>1000 COMMERCE DR<br>OAKBROOK, IL 60523    | 630-573-6414 |
| GAS              | BP PIPELINE                 | MR. JASON LIESBERGER<br>30 SOUTH WACKER DR<br>CHICAGO, IL 60606 | 312-401-0327 |
| GAS              | ENBRIDGE PIPELINES          | MS. EMMA WRIGHT<br>EMMAGWRIGHT@GMAIL.COM                        | 773-307-640  |
| CATV             | COMCAST                     | MS. REENA THOMAS<br>REENA_THOMAS@COMCAST.COM                    |              |
| GAS              | NICOR                       | MR. SAKIBUL FORAH<br>SFORAH@SOUTHERNCO.COM                      |              |
| ELECTRIC         | COMED                       | MR. MARK SACCOMONTO<br>COMED REF NO. H22861UNV                  | 832-629-0045 |

**COMMITMENTS**

NONE

MODEL Path: \\... FILE NAME: S:\2019\1911\028\_PTB\1911\_003\1\VO\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rh-Gen\_Hdrns\_Index\_Sheet.dgn



|                            |                     |           |
|----------------------------|---------------------|-----------|
| USER NAME = vmoahammed     | DESIGNED - AWM / JA | REVISED - |
|                            | DRAWN - AJM / RG    | REVISED - |
| PLOT SCALE = 2,000 ' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/16/2022      | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS  
AND GENERAL NOTES  
IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION**

|                    |            |                  |              |           |
|--------------------|------------|------------------|--------------|-----------|
| F.A.P. RTE.        | SECTION    | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 876/334            | 2020-257-T | WILL             | 83           | 2         |
| CONTRACT NO. 62N27 |            |                  |              |           |
| ILLINOIS           |            | FED. AID PROJECT |              |           |

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default  
 FILE NAME: C:\gag\Projects\2019\181028\_PFB191\_002\NO. 17\_62N27 Drainage Improvements\CADD\CADD\_Sheets\162N27-sh-500.dgn

| CODE NO.   | ITEM  | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE         |                                  |                                  |                                  |                                  |                                  |                                  |                                  |      |
|------------|---|-------|----------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------|
|            |   |       |                | 80% FED 20% STATE GENERAL | 80% FED 20% STATE DRAINAGE LOC 1 | 80% FED 20% STATE DRAINAGE LOC 2 | 80% FED 20% STATE DRAINAGE LOC 3 | 80% FED 20% STATE DRAINAGE LOC 4 | 80% FED 20% STATE DRAINAGE LOC 5 | 80% FED 20% STATE DRAINAGE LOC 6 | 80% FED 20% STATE DRAINAGE LOC 7 |      |
|            |   |       |                | 0004                      | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             |      |
|            |   |       |                | URBAN                     |                                  |                                  |                                  |                                  |                                  |                                  |                                  |      |
| * 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER)       | UNIT  | 12             |                           |                                  |                                  | 12                               |                                  |                                  |                                  |                                  |      |
| 20200100   | EARTH EXCAVATION                            | CU YD | 370            |                           | 25                               | 5                                | 90                               | 170                              |                                  |                                  |                                  | 80   |
| 20201200   | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 60             | 60                        |                                  |                                  |                                  |                                  |                                  |                                  |                                  |      |
| 20800150   | TRENCH BACKFILL                             | CU YD | 51             |                           |                                  |                                  | 6                                |                                  |                                  |                                  |                                  | 45   |
| 21101505   | TOPSOIL EXCAVATION AND PLACEMENT            | CU YD | 854            |                           | 71.9                             | 42.5                             | 164.8                            | 123.4                            | 260.9                            | 189.7                            |                                  |      |
| 21101615   | TOPSOIL FURNISH AND PLACE, 4"               | SQ YD | 1,737          |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  | 1737 |
| 21400100   | GRADING AND SHAPING DITCHES                 | FOOT  | 3,139          |                           |                                  | 190                              | 947                              | 576                              | 1117                             | 309                              |                                  |      |
| * 25000210 | SEEDING, CLASS 2A                           | ACRE  | 0.5            |                           | 0.04                             | 0.03                             | 0.07                             | 0.07                             | 0.14                             | 0.09                             |                                  | 0.04 |
| * 25000400 | NITROGEN FERTILIZER NUTRIENT                | POUND | 180            |                           | 12                               | 7                                | 28                               | 21                               | 44                               | 32                               |                                  | 32   |
| * 25000600 | POTASSIUM FERTILIZER NUTRIENT               | POUND | 180            |                           | 12                               | 7                                | 28                               | 21                               | 44                               | 32                               |                                  | 32   |
| * 25100115 | MULCH, METHOD 2                             | ACRE  | 2              |                           | 0.10                             | 0.08                             | 0.31                             | 0.20                             | 0.49                             | 0.40                             |                                  | 0.36 |
| 25100630   | EROSION CONTROL BLANKET                     | SQ YD | 2,288          |                           | 192                              | 141                              | 332                              | 326                              | 667                              | 453                              |                                  | 176  |
| 25100635   | HEAVY DUTY EROSION CONTROL BLANKET          | SQ YD | 7,131          |                           | 456                              | 242                              | 1152                             | 784                              | 1682                             | 1254                             |                                  | 1561 |
| 28000250   | TEMPORARY EROSION CONTROL SEEDING           | POUND | 194            |                           | 13.4                             | 7.9                              | 30.6                             | 22.9                             | 48.5                             | 35.3                             |                                  | 35.4 |

\* INDICATES SPECIALTY ITEM    Δ INDICATES 100% STATE FUNDED



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100.0000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/16/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES   |                                  |
|---|----------------------------------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                                  |
| SCALE:  | SHEET 1 OF 6 SHEETS STA. TO STA. |

|                     |                    |             |                           |             |
|---------------------|--------------------|-------------|---------------------------|-------------|
| F.A.P. RTE. 376/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 3 |
| CONTRACT NO. 62N27  |                    |             | ILLINOIS FED. AID PROJECT |             |

MODEL: Default  
 FILE NAME: C:\p\Projects\2019\11\028\FB191\_022\W0\_17\_62N27\_Drainage Improvements\CADD\CADD\_Sheets\062N27-shit-500.dgn

| CODE NO. | ITEM   | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE         |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |  |
|----------|--|-------|----------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--|--|
|          |  |       |                | 80% FED 20% STATE GENERAL | 80% FED 20% STATE DRAINAGE LOC 1 | 80% FED 20% STATE DRAINAGE LOC 2 | 80% FED 20% STATE DRAINAGE LOC 3 | 80% FED 20% STATE DRAINAGE LOC 4 | 80% FED 20% STATE DRAINAGE LOC 5 | 80% FED 20% STATE DRAINAGE LOC 6 | 80% FED 20% STATE DRAINAGE LOC 7 |  |  |
|          |  |       |                | 0004                      | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             |  |  |
|          |  |       | URBAN          |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |  |
| 28000305 | TEMPORARY DITCH CHECKS                               | FOOT  | 734            |                           | 50                               | 28                               | 271                              | 69                               | 180                              | 137                              |                                  |  |  |
| 28000400 | PERIMETER EROSION BARRIER                            | FOOT  | 4,940          |                           | 386                              | 278                              | 994                              | 679                              | 1350                             | 854                              | 398                              |  |  |
| 28000500 | INLET AND PIPE PROTECTION                            | EACH  | 2              |                           |                                  | 2                                |                                  |                                  |                                  |                                  |                                  |  |  |
| 28001100 | TEMPORARY EROSION CONTROL BLANKET                    | SQ YD | 9,394          |                           | 647                              | 383                              | 1485                             | 1110                             | 2349                             | 1707                             | 1713                             |  |  |
| 28100103 | STONE RIPRAP, CLASS A2                               | SQ YD | 16             |                           |                                  | 16                               |                                  |                                  |                                  |                                  |                                  |  |  |
| 28100109 | STONE RIPRAP, CLASS A5                               | SQ YD | 9              |                           |                                  |                                  |                                  |                                  |                                  |                                  | 9                                |  |  |
| 28200200 | FILTER FABRIC  | SQ YD | 25             |                           |                                  | 16                               |                                  |                                  |                                  |                                  | 9                                |  |  |
| 30300001 | AGGREGATE SUBGRADE IMPROVEMENT                       | CU YD | 16             |                           |                                  |                                  |                                  |                                  |                                  |                                  | 16                               |  |  |
| 35501316 | HOT-MIX ASPHALT BASE COURSE, 8"                      | SQ YD | 49             |                           |                                  |                                  | 49                               |                                  |                                  |                                  |                                  |  |  |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT)                    | POUND | 459            |                           |                                  |                                  | 163                              |                                  |                                  |                                  | 296                              |  |  |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT)                     | POUND | 71             |                           |                                  |                                  | 11                               |                                  |                                  |                                  | 60                               |  |  |
| 40604060 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 | TON   | 6              |                           |                                  |                                  | 6                                |                                  |                                  |                                  |                                  |  |  |
| 44004250 | PAVED SHOULDER REMOVAL                               | SQ YD | 111            |                           |                                  |                                  |                                  |                                  |                                  |                                  | 111                              |  |  |

\* INDICATES SPECIALTY ITEM    Δ INDICATES 100% STATE FUNDED



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wnohamed         | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AIM / RG             | CHECKED - DRB       | REVISED - |
| PLOT SCALE = 100.0000' / in. | DATE - 05/11/2022   | REVISED - |
| PLOT DATE = 5/16/2022        |                     |           |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES   |                                  |
|---|----------------------------------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                                  |
| SCALE:  | SHEET 2 OF 6 SHEETS STA. TO STA. |

|                     |                    |             |                           |             |
|---------------------|--------------------|-------------|---------------------------|-------------|
| F.A.P. RTE. 376/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 4 |
| CONTRACT NO. 62N27  |                    |             | ILLINOIS FED. AID PROJECT |             |

CONSTRUCTION CODE

| CODE NO. | ITEM   | UNIT  | TOTAL QUANTITY | 80% FED   | 80% FED        | 80% FED        | 80% FED        | 80% FED        | 80% FED        | 80% FED        | 80% FED        |
|----------|--|-------|----------------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          |  |       |                | 20% STATE | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      |
|          |  |       |                | GENERAL   | DRAINAGE LOC 1 | DRAINAGE LOC 2 | DRAINAGE LOC 3 | DRAINAGE LOC 4 | DRAINAGE LOC 5 | DRAINAGE LOC 6 | DRAINAGE LOC 7 |
|          |  |       |                | 0004      | 0004           | 0004           | 0004           | 0004           | 0004           | 0004           | 0004           |
|          |  |       | URBAN          |           |                |                |                |                |                |                |                |
| 48101498 | AGGREGATE SHOULDERS, TYPE B 4"               | SQ YD | 314            |           |                | 208            |                |                |                |                | 105            |
| 48203029 | HOT-MIX ASPHALT SHOULDERS, 8"                | SQ YD | 132            |           |                |                |                |                |                |                | 132            |
| 50102400 | CONCRETE REMOVAL                             | CU YD | 9.7            |           |                | 9.7            |                |                |                |                |                |
| 50104400 | CONCRETE HEADWALL REMOVAL                    | EACH  | 2              |           |                |                |                |                |                |                | 2              |
| 50105220 | PIPE CULVERT REMOVAL                         | FOOT  | 44             |           |                |                |                |                |                |                | 44             |
| 50200100 | STRUCTURE EXCAVATION                         | CU YD | 78             |           |                | 78             |                |                |                |                |                |
| 50300225 | CONCRETE STRUCTURES                          | CU YD | 6.1            |           |                |                |                |                |                |                | 6.1            |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED             | POUND | 2,020          |           |                | 1130           |                |                |                |                | 890            |
| 52200020 | TEMPORARY SOIL RETENTION SYSTEM              | SQ FT | 1,318          |           |                | 482            |                |                |                |                | 836            |
| 52200100 | FURNISHING SOLDIER PILES (HP SECTION)        | FOOT  | 457            |           |                |                |                |                |                |                | 457            |
| 52200200 | DRILLING AND SETTING SOLDIER PILES (IN SOIL) | CU FT | 2,858          |           |                |                |                |                |                |                | 2,858          |
| 52200255 | TREATED TIMBER LAGGING                       | SQ FT | 723            |           |                |                |                |                |                |                | 723            |

\* INDICATES SPECIALTY ITEM    Δ INDICATES 100% STATE FUNDED

MODEL: Default  
FILE NAME: C:\gig\Projects\2019\181028\_PTB191\_002\NO. 17\_62N27\_Drainage Improvements\CADD\CADD\_Sheets\162N27-sh-500.dgn



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
|                              | DRAWN - AIM / RG    | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/16/2022        | DATE - 05/11/2022   | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| SUMMARY OF QUANTITIES  |                                  |
|--|----------------------------------|
| SCALE:   | SHEET 3 OF 6 SHEETS STA. TO STA. |
| IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION |                                  |

|                     |                    |             |                           |             |
|---------------------|--------------------|-------------|---------------------------|-------------|
| F.A.P. RTE. 376/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 5 |
| CONTRACT NO. 62N27  |                    |             | ILLINOIS FED. AID PROJECT |             |

MODEL: Default  
 FILE NAME: C:\projects\2019\191023\_PTB191\_002\17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-sh-500.dgn

| CODE NO.   | ITEM  | UNIT  | TOTAL QUANTITY | CONSTRUCTION CODE         |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |     |
|------------|---|-------|----------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--|-----|
|            |   |       |                | 80% FED 20% STATE GENERAL | 80% FED 20% STATE DRAINAGE LOC 1 | 80% FED 20% STATE DRAINAGE LOC 2 | 80% FED 20% STATE DRAINAGE LOC 3 | 80% FED 20% STATE DRAINAGE LOC 4 | 80% FED 20% STATE DRAINAGE LOC 5 | 80% FED 20% STATE DRAINAGE LOC 6 | 80% FED 20% STATE DRAINAGE LOC 7 |  |     |
|            |   |       |                | 0004                      | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             |  |     |
|            |   |       |                |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |     |
|            |   |       | URBAN          |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |     |
| 54002020   | EXPANSION BOLTS 3/4 INCH                                | EACH  | 10             |                           |                                  | 10                               |                                  |                                  |                                  |                                  |                                  |  |     |
| 54003000   | CONCRETE BOX CULVERTS                                   | CU YD | 11.6           |                           |                                  | 11.6                             |                                  |                                  |                                  |                                  |                                  |  |     |
| 542A1900   | PIPE CULVERTS, CLASS A, TYPE 3 15"                      | FOOT  | 105            |                           |                                  |                                  | 49                               |                                  |                                  |                                  |                                  |  | 56  |
| 542A1921   | PIPE CULVERTS, CLASS A, TYPE 3 36"                      | FOOT  | 18             |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 18  |
| 54213660   | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"     | EACH  | 2              |                           |                                  |                                  | 2                                |                                  |                                  |                                  |                                  |  |     |
| 54263236   | CONCRETE END SECTION, STANDARD 542011, 36", 1:2         | EACH  | 1              |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 1   |
| 58600101   | GRANULAR BACKFILL FOR STRUCTURES                        | CU YD | 17.25          |                           |                                  | 17.25                            |                                  |                                  |                                  |                                  |                                  |  |     |
| 59100100   | GEOCOMPOSITE WALL DRAIN                                 | SQ YD | 63             |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 63  |
| 59300100   | CONTROLLED LOW-STRENGTH MATERIAL                        | CU YD | 3              |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 3   |
| 60146304   | PIPE UNDERDRAINS FOR STRUCTURES 4"                      | FOOT  | 192            |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 192 |
| 60207605   | CATCH BASINS, TYPE C, TYPE 8 GRATE                      | EACH  | 1              |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 1   |
| 60224446   | MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH  | 1              |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 1   |
| Δ 60905305 | BOX CULVERTS TO BE CLEANED                              | FOOT  | 100            |                           |                                  | 100                              |                                  |                                  |                                  |                                  |                                  |  |     |
| Δ 60920012 | PIPE CULVERTS TO BE CLEANED 12"                         | FOOT  | 120            |                           |                                  |                                  |                                  |                                  | 100                              | 20                               |                                  |  |     |

\* INDICATES SPECIALTY ITEM    Δ INDICATES 100% STATE FUNDED



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
|                              | DRAWN - AIM / RG    | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/16/2022        | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES   |                                  |
|---|----------------------------------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                                  |
| SCALE:  | SHEET 4 OF 6 SHEETS STA. TO STA. |

|                     |                    |             |                           |             |
|---------------------|--------------------|-------------|---------------------------|-------------|
| F.A.P. RTE. 376/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 6 |
| CONTRACT NO. 62N27  |                    |             | ILLINOIS FED. AID PROJECT |             |

MODEL Path: \\g:\projects\2019\191028\_PTB19\_002\191028\_PTB19\_002\191028\_PTB19\_002\191028\_PTB19\_002\191028\_PTB19\_002\CADD\_Sheets\162N27-2ht-500.dgn  
 FILE NAME: \\g:\projects\2019\191028\_PTB19\_002\191028\_PTB19\_002\191028\_PTB19\_002\CADD\_Sheets\162N27-2ht-500.dgn

| CODE NO. | ITEM     | UNIT   | TOTAL QUANTITY | CONSTRUCTION CODE         |                                  |                                  |                                  |                                  |                                  |                                  |                                  |    |        |
|----------|----------|--|----------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----|--------|
|          |          |  |                | 80% FED 20% STATE GENERAL | 80% FED 20% STATE DRAINAGE LOC 1 | 80% FED 20% STATE DRAINAGE LOC 2 | 80% FED 20% STATE DRAINAGE LOC 3 | 80% FED 20% STATE DRAINAGE LOC 4 | 80% FED 20% STATE DRAINAGE LOC 5 | 80% FED 20% STATE DRAINAGE LOC 6 | 80% FED 20% STATE DRAINAGE LOC 7 |    |        |
|          |          |  |                | 0004                      | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             |    |        |
|          |          |  |                |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |    |        |
|          | URBAN    |  |                |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |    |        |
| Δ        | 60920015 | PIPE CULVERTS TO BE CLEANED 15"                    | FOOT           | 341                       |                                  | 162                              |                                  | 48                               |                                  |                                  | 83                               | 48 |        |
| Δ        | 60920018 | PIPE CULVERTS TO BE CLEANED 18"                    | FOOT           | 373                       |                                  | 79                               |                                  | 294                              |                                  |                                  |                                  |    |        |
| Δ        | 60920024 | PIPE CULVERTS TO BE CLEANED 24"                    | FOOT           | 207                       |                                  | 62                               | 145                              |                                  |                                  |                                  |                                  |    |        |
| *        | 63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS   | FOOT           | 450.00                    |                                  |                                  | 312.50                           |                                  |                                  |                                  |                                  |    | 137.50 |
| *        | 63100045 | TRAFFIC BARRIER TERMINAL, TYPE 2                   | EACH           | 1                         |                                  |                                  |                                  |                                  |                                  |                                  |                                  |    | 1      |
| *        | 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH           | 3                         |                                  |                                  | 2                                |                                  |                                  |                                  |                                  |    | 1      |
| *        | 63200310 | GUARDRAIL REMOVAL                                  | FOOT           | 482                       |                                  |                                  | 278.3                            |                                  |                                  |                                  |                                  |    | 203.7  |
|          | 64200108 | SHOULDER RUMBLE STRIPS, 8 INCH                     | FOOT           | 125                       |                                  |                                  |                                  |                                  |                                  |                                  |                                  |    | 125    |
| *        | 66900200 | NON-SPECIAL WASTE DISPOSAL                         | CU YD          | 100                       | 100                              |                                  |                                  |                                  |                                  |                                  |                                  |    |        |
| *        | 66900530 | SOIL DISPOSAL ANALYSIS                             | EACH           | 7                         |                                  | 1                                | 1                                | 1                                | 1                                | 1                                | 1                                | 1  | 1      |
| *        | 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN         | L SUM          | 1                         | 1                                |                                  |                                  |                                  |                                  |                                  |                                  |    |        |
| *        | 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT     | L SUM          | 1                         | 1                                |                                  |                                  |                                  |                                  |                                  |                                  |    |        |
| *        | 66901006 | REGULATED SUBSTANCES MONITORING                    | CAL DA         | 19                        |                                  | 2                                | 2                                | 2                                | 2                                | 2                                | 2                                | 2  | 7      |
|          | 67100100 | MOBILIZATION                                       | L SUM          | 1                         | 1                                |                                  |                                  |                                  |                                  |                                  |                                  |    |        |

\* INDICATES SPECIALTY ITEM    Δ INDICATES 100% STATE FUNDED



USER NAME = wmoahammed  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 5/16/2022

DESIGNED - AWM / JA  
 DRAWN - AJM / RG  
 CHECKED - DRB  
 DATE - 05/11/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**  
**IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION**  
 SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

|                           |                    |             |                    |             |
|---------------------------|--------------------|-------------|--------------------|-------------|
| F.A.P. RTE. 376/334       | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 7 |
| ILLINOIS FED. AID PROJECT |                    |             | CONTRACT NO. 62N27 |             |

MODEL Path: \\server\projects\2019\191028\_PTB\19\_002\190\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-2ht-500.dgn  
 FILE NAME: \\server\projects\2019\191028\_PTB\19\_002\190\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-2ht-500.dgn

| CODE NO.   | ITEM   | UNIT   | TOTAL QUANTITY | CONSTRUCTION CODE         |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |        |
|------------|--|--------|----------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--|--------|
|            |  |        |                | 80% FED 20% STATE GENERAL | 80% FED 20% STATE DRAINAGE LOC 1 | 80% FED 20% STATE DRAINAGE LOC 2 | 80% FED 20% STATE DRAINAGE LOC 3 | 80% FED 20% STATE DRAINAGE LOC 4 | 80% FED 20% STATE DRAINAGE LOC 5 | 80% FED 20% STATE DRAINAGE LOC 6 | 80% FED 20% STATE DRAINAGE LOC 7 |  |        |
|            |  |        |                | 0004                      | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             | 0004                             |  |        |
|            |  |        |                |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |        |
|            |  |        | URBAN          |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |        |
| 70103815   | TRAFFIC CONTROL SURVEILLANCE                                   | CAL DA | 60             | 60                        |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |        |
| 70107025   | CHANGEABLE MESSAGE SIGN  | CAL DA | 60             | 60                        |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  |        |
| 70300150   | SHORT TERM PAVEMENT MARKING REMOVAL                            | SQ FT  | 1,175          |                           |                                  | 588                              |                                  |                                  |                                  |                                  |                                  |  | 587    |
| 70307120   | TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE            | FOOT   | 3,524          |                           |                                  | 1763                             |                                  |                                  |                                  |                                  |                                  |  | 1761   |
| * 70400100 | TEMPORARY CONCRETE BARRIER                                     | FOOT   | 962.50         |                           |                                  | 537.50                           |                                  |                                  |                                  |                                  |                                  |  | 425.00 |
| * 70400125 | PINNING TEMPORARY CONCRETE BARRIER                             | EACH   | 9              |                           |                                  | 6                                |                                  |                                  |                                  |                                  |                                  |  | 3      |
| * 70600250 | IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3 | EACH   | 3              |                           |                                  | 2                                |                                  |                                  |                                  |                                  |                                  |  | 1      |
| * 72501000 | TERMINAL MARKER - DIRECT APPLIED                               | EACH   | 3              |                           |                                  | 2                                |                                  |                                  |                                  |                                  |                                  |  | 1      |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4"                       | FOOT   | 550            |                           |                                  | 250                              |                                  |                                  |                                  |                                  |                                  |  | 300    |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6"                       | FOOT   | 378            |                           |                                  | 163                              |                                  |                                  |                                  |                                  |                                  |  | 215    |
| * 78200005 | GUARDRAIL REFLECTORS, TYPE A                                   | EACH   | 9              |                           |                                  | 6                                |                                  |                                  |                                  |                                  |                                  |  | 3      |
| 78300202   | PAVEMENT MARKING REMOVAL - WATER BLASTING                      | SQ FT  | 190            |                           |                                  | 82                               |                                  |                                  |                                  |                                  |                                  |  | 108    |
| * X0321809 | PERMANENT GROUND ANCHOR  | EACH   | 11             |                           |                                  |                                  |                                  |                                  |                                  |                                  |                                  |  | 11     |
| * X0325592 | REMOVE AND REPLACE STONE RIPRAP                                | CU YD  | 48             |                           |                                  |                                  | 48                               |                                  |                                  |                                  |                                  |  |        |

\* INDICATES SPECIALTY ITEM    Δ INDICATES 100% STATE FUNDED



|                               |                     |           |
|-------------------------------|---------------------|-----------|
| USER NAME = wmoahammed        | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AJM / RG              | CHECKED - DRB       | REVISED - |
| PLOT SCALE = 100,0000 ' / in. | DATE - 05/11/2022   | REVISED - |
| PLOT DATE = 5/16/2022         |                     |           |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES   |                                  |
|---|----------------------------------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                                  |
| SCALE:  | SHEET 6 OF 6 SHEETS STA. TO STA. |

|                           |                    |             |                    |             |
|---------------------------|--------------------|-------------|--------------------|-------------|
| F.A.P. RTE. 376/334       | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 8 |
| ILLINOIS FED. AID PROJECT |                    |             | CONTRACT NO. 62N27 |             |



**CONSTRUCTION CODE**

| CODE NO.   | ITEM   | UNIT   | TOTAL QUANTITY | 80% FED   | 80% FED        | 80% FED        | 80% FED        | 80% FED        | 80% FED        | 80% FED        | 80% FED        |
|------------|--|--------|----------------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|            |  |        |                | 20% STATE | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      | 20% STATE      |
|            |  |        |                | GENERAL   | DRAINAGE LOC 1 | DRAINAGE LOC 2 | DRAINAGE LOC 3 | DRAINAGE LOC 4 | DRAINAGE LOC 5 | DRAINAGE LOC 6 | DRAINAGE LOC 7 |
|            |  |        |                | 0004      | 0004           | 0004           | 0004           | 0004           | 0004           | 0004           | 0004           |
|            |  |        | URBAN          |           |                |                |                |                |                |                |                |
| * X0539200 | DROP MANHOLE CONNECTION                      | EACH   | 1              |           |                |                |                |                |                |                | 1              |
| * X0900075 | COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)  | EACH   | 4              |           |                | 2              | 1              |                |                |                | 1              |
| * X2502014 | SEEDING, CLASS 4A (MODIFIED)                 | ACRE   | 1.5            |           | 0.09           | 0.05           | 0.24           | 0.16           | 0.35           | 0.26           | 0.32           |
| * X2502024 | SEEDING, CLASS 4B (MODIFIED)                 | ACRE   | 1.5            |           | 0.09           | 0.05           | 0.24           | 0.16           | 0.35           | 0.26           | 0.32           |
| X4421767   | CLASS D PATCHES, TYPE III, 10 INCH (SPECIAL) | SQ **  | 24             |           |                |                | 24             |                |                |                |                |
| X4421829   | CLASS D PATCHES, TYPE III, 9 INCH (SPECIAL)  | SQ **  | 35             |           |                | 35             |                |                |                |                |                |
| * X6020084 | MANHOLE, SPECIAL                             | EACH   | 1              | 1         |                |                |                |                |                |                |                |
| X6700407   | ENGINEER'S FIELD OFFICE, TYPE A (D1)         | CAL MO | 12             | 12        |                |                |                |                |                |                |                |
| * X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)    | L SUM  | 1              | 1         |                |                |                |                |                |                |                |
| * Z0013798 | CONSTRUCTION LAYOUT                          | L SUM  | 1              | 1         |                |                |                |                |                |                |                |
| * Z0015500 | DEBRIS REMOVAL                               | L SUM  | 1              |           |                |                |                |                |                |                | 1              |
| Z0030850   | TEMPORARY INFORMATION SIGNING                | SQ FT  | 156            | 156       |                |                |                |                |                |                |                |

\* INDICATES SPECIALTY ITEM    \*\* INDICATES 100% STATE FUNDED

MODEL: Default  
FILE NAME: C:\gag\Projects\2019\181039\_PTB\191\_002\WO\_17\_62N27\_Drainage Improvements\CADD\CADD\_Sheets\162N27-sh-500.dgn



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
|                              | DRAWN - AIM / RG    | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/12/2022        | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES   |       |           |              |
|---|-------|-----------|--------------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |       |           |              |
| SCALE:  | SHEET | OF SHEETS | STA. TO STA. |

|                     |                    |             |                           |             |
|---------------------|--------------------|-------------|---------------------------|-------------|
| F.A.P. RTE. 376/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 9 |
| CONTRACT NO. 62N27  |                    |             | ILLINOIS FED. AID PROJECT |             |





| DRAINAGE SCHEDULE - LOCATION 7 |           |        |           |        |                 |                           |                      |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
|--------------------------------|-----------|--------|-----------|--------|-----------------|---------------------------|----------------------|------------------------------------|------------------------------------|---|----------------------------------|------------------------------------|--|-------------------------|------------------|----------------|
| LOCATION                       |           |        |           |        | 20800150        | 50104400                  | 50105220             | 542A1900                           | 542A1921                           | 54263236  | 59300100                         | 60207605                           | 60224446   | X0539200                | X6020084         | Z0015500       |
|                                |           |        |           |        | TRENCH BACKFILL | CONCRETE HEADWALL REMOVAL | PIPE CULVERT REMOVAL | PIPE CULVERTS, CLASS A, TYPE 3 15" | PIPE CULVERTS, CLASS A, TYPE 3 36" | CONCRETE END SECTION, STANDARD 542011, 36", 1:2 | CONTROLLED LOW-STRENGTH MATERIAL | CATCH BASINS, TYPE C, TYPE 8 GRATE | MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME CLOSED LID | DROP MANHOLE CONNECTION | MANHOLE, SPECIAL | DEBRIS REMOVAL |
| CORRIDOR                       | STA       | OFFSET | STA       | OFFSET | (CU YD)         | (EACH)                    | (FOOT)               | (FOOT)                             | (FOOT)                             | (EACH)  | (CU YD)                          | (EACH)                             | (EACH)   | (EACH)                  | (EACH)           | (L SUM)        |
|                                |           | (+/-)  |           | (+/-)  |                 |                           |                      |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
| LOCATION 7                     |           |        |           |        |                 |                           |                      |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 610+91.16 | 93.40  |           |        |                 | 1.0                       |                      |                                    |                                    | 1   |                                  |                                    |  |                         |                  | 1              |
| IL 394 N                       | 610+90.78 | 93.40  | 611+07.20 | 76.47  |                 |                           | 23.6                 |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 610+92.87 | 93.57  | 611+02.69 | 91.62  |                 |                           | 10.0                 |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 610+91.16 | 93.40  | 611+03.06 | 80.75  |                 |                           |                      | 18.0                               |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 611+02.69 | 91.62  | 611+39.89 | 84.18  |                 |                           |                      |                                    | 3.00                               |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 611+05.13 | 78.60  | 611+37.89 | 84.18  |                 |                           |                      |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 611+08.57 | 78.67  | 611+63.95 | 79.58  |                 |                           |                      | 56.0                               |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 611+08.57 | 78.67  |           |        |                 |                           |                      |                                    |                                    |   |                                  | 1                                  | 1  |                         |                  |                |
| IL 394 N                       | 611+37.89 | 79.15  | 611+59.89 | 79.51  | 45.0            |                           |                      |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 611+39.89 | 84.18  | 611+64.43 | 79.31  |                 |                           | 10.0                 |                                    |                                    |   |                                  |                                    |  |                         |                  |                |
| IL 394 N                       | 611+64.95 | 79.60  |           |        |                 | 1.0                       |                      |                                    |                                    |   |                                  | 1                                  |  |                         |                  |                |
| IL 394 N                       | 611+79.91 | 1.55   |           |        |                 |                           |                      |                                    |                                    |   |                                  |                                    |  | 1                       |                  |                |
| GRAND TOTALS                   |           |        |           |        | 45.0            | 2.0                       | 43.6                 | 56.0                               | 18.0                               | 1.0   | 3.0                              | 1.0                                | 1.0  | 1.0                     | 1.0              | 1.0            |
| USE                            |           |        |           |        | 45              | 2                         | 44                   | 56                                 | 18                                 | 1   | 3                                | 1                                  | 1  | 1                       | 1                | 1              |

| TEMPORARY CONCRETE BARRIER SCHEDULE |           |           |       |        |                  |   |                            |  |
|-------------------------------------|-----------|-----------|-------|--------|------------------|---|----------------------------|--|
| LOCATION                            |           |           |       |        |                  | 70600250  | 70400100                   |  |
|                                     |           |           |       |        |                  | IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 | TEMPORARY CONCRETE BARRIER |  |
| CORRIDOR                            | STA       | STA       | LT/RT | LENGTH | REMARKS          | (EACH)  | (FOOT)                     |  |
| LOCATION 2                          |           |           |       |        |                  |   |                            |  |
| IL 1 N                              | 70+11.77  | 75+43.15  | RT    | 531.90 | INCLUDES 2" GAPS | 2   | 537.50                     |  |
| LOCATION 2 SUB-TOTALS               |           |           |       |        |                  | 2   | 537.50                     |  |
| LOCATION 7                          |           |           |       |        |                  |   |                            |  |
| IL 394                              | 607+86.77 | 612+04.21 | RT    | 417.44 | INCLUDES 2" GAPS | 1   | 425.00                     |  |
| LOCATION 7 SUB-TOTALS               |           |           |       |        |                  | 1   | 425.000                    |  |
| GRAND TOTALS                        |           |           |       |        |                  | 3   | 962.50                     |  |

| PAVEMENT MARKING SCHEDULE |           |           |       |             |                                     |   |  |  |   |  |
|---------------------------|-----------|-----------|-------|-------------|-------------------------------------|---|--|--|---|--|
| LOCATION                  |           |           |       |             | 70300150                            | 70307120  | 78000200                                 | 7800400                                  | 78300202                                  |  |
|                           |           |           |       |             | SHORT TERM PAVEMENT MARKING REMOVAL | TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | PAVEMENT MARKING REMOVAL - WATER BLASTING |  |
| CORRIDOR                  | STA       | STA       | LT/RT | DESCRIPTION | (SQ FT)                             | (FOOT)  | (FOOT)                                   | (FOOT)                                   | (SQ FT)                                   |  |
| LOCATION 2                |           |           |       |             |                                     |   |  |  |   |  |
| IL 1 N                    | 72+00.00  | 74+50.00  | RT    | EDGE        |                                     |   | 250.0                                    |  |   |  |
| IL 1 N                    | 60+37.50  | 64+87.50  | RT    | SKIP-DASH   |                                     |   |  | 113.0                                    | 57.0                                      |  |
| IL 1 N                    | 76+00.00  | 78+00.00  | RT    | SKIP-DASH   |                                     |   |  | 50.0                                     | 25.0                                      |  |
| IL 1 N                    | 60+37.50  | 78+00.00  | RT    | TEMP EDGE   | 588.0                               | 1763.0  |  |  |   |  |
| LOCATION 2 SUB-TOTALS     |           |           |       |             | 588.0                               | 1763.0  | 250.0                                    | 163.0                                    | 82.0                                      |  |
| LOCATION 7                |           |           |       |             |                                     |   |  |  |   |  |
| IL 394                    | 609+00.00 | 612+00.00 | RT    | EDGE        |                                     |   | 300.0                                    |  |   |  |
| IL 394                    | 596+40.00 | 614+00.00 | RT    | TEMP EDGE   | 587.0                               | 1761.0  |  |  |   |  |
| IL 394                    | 596+40.00 | 603+00.00 | RT    | SKIP DASH   |                                     |   |  | 165.0                                    | 83.0                                      |  |
| IL 394                    | 612+00.00 | 614+00.00 | RT    | SKIP DASH   |                                     |   |  | 50.0                                     | 25.0                                      |  |
| LOCATION 7 SUB-TOTALS     |           |           |       |             | 587.0                               | 1761.0  | 300.0                                    | 215.0                                    | 108.0                                     |  |
| GRAND TOTALS              |           |           |       |             | 1,175.0                             | 3,524.0   | 550.0                                    | 378.0                                    | 190.0                                     |  |
| USE                       |           |           |       |             | 1,175                               | 3,524   | 550                                      | 378                                      | 190                                       |  |

| GUARDRAIL SCHEDULE    |           |           |       |        |  |                                  |  |                   |                                  |
|-----------------------|-----------|-----------|-------|--------|--|----------------------------------|--|-------------------|----------------------------------|
| LOCATION              |           |           |       |        | 63000001   | 63100045                         | 63100167                                   | 63200310          | 72501000                         |
|                       |           |           |       |        | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | TRAFFIC BARRIER TERMINAL, TYPE 2 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) | GUARDRAIL REMOVAL | TERMINAL MARKER - DIRECT APPLIED |
| CORRIDOR              | STA       | STA       | LT/RT | (FOOT) | (EACH)   | (EACH)                           | (FOOT)                                     | (EACH)            |                                  |
| LOCATION 2            |           |           |       |        |  |                                  |  |                   |                                  |
| IL 1 N                | 71+66.83  | 74+45.11  | RT    |        |  |                                  | 278.3                                      |                   |                                  |
| IL 1 N                | 70+64.39  | 71+14.39  | RT    |        |  | 1                                |  | 1                 |                                  |
| IL 1 N                | 71+14.39  | 74+26.89  | RT    | 312.5  |  |                                  |  |                   |                                  |
| IL 1 N                | 74+26.89  | 74+76.89  | RT    |        | 1  |                                  |  | 1                 |                                  |
| IL 1 N                | 70+64.39  | 74+76.89  | RT    |        |  |                                  | 278.3                                      |                   |                                  |
| LOCATION 2 SUB-TOTALS |           |           |       | 312.50 | 0  | 2                                | 278.3                                      | 2                 |                                  |
| LOCATION 7            |           |           |       |        |  |                                  |  |                   |                                  |
| IL 394                | 609+23.00 | 611+26.73 | RT    |        |  |                                  | 203.7                                      |                   |                                  |
| IL 394                | 609+26.73 | 609+76.73 | RT    |        |  | 1                                |  | 1                 |                                  |
| IL 394                | 609+76.73 | 611+14.23 | RT    | 137.5  |  |                                  |  |                   |                                  |
| IL 394                | 611+14.23 | 611+26.73 | RT    |        | 1  |                                  |  |                   |                                  |
| LOCATION 7 SUB-TOTALS |           |           |       | 137.50 | 1  | 1                                | 203.7                                      | 1                 |                                  |
| GRAND TOTALS          |           |           |       | 450.00 | 1  | 3                                | 482.0                                      | 3                 |                                  |
| USE                   |           |           |       | 450.00 | 1  | 3                                | 482  | 3                 |                                  |

| TREE REMOVAL SCHEDULE |        |       |  |  |  |  |  |  |      |
|-----------------------|--------|-------|--|--|--|--|--|--|------|
| LOCATION 3            |        |       |  |  |  |  |  |  |      |
| STA                   | OFFSET | LT/RT |  |  |  |  |  |  | UNIT |
| 108+33                | 31     | LT    |  |  |  |  |  |  | 12   |
| LOCATION 3 SUB-TOTAL  |        |       |  |  |  |  |  |  | 12   |
| GRAND TOTAL           |        |       |  |  |  |  |  |  | 12   |

MODEL Path: S:\2019\191101028\_PTB\191\_003\1\VO\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rh-Schedule of Quantities.dgn

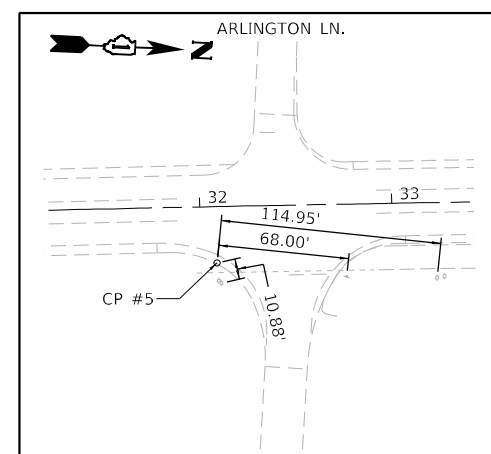
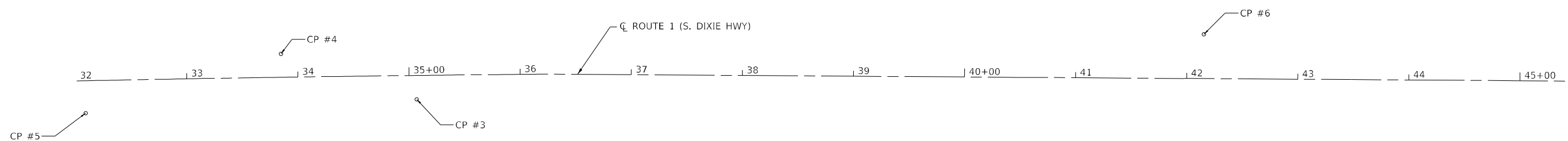
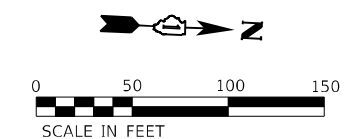


|                           |                     |           |
|---------------------------|---------------------|-----------|
| USER NAME = rgoertz       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 2,000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 6/22/2022     | CHECKED - DRB       | REVISED - |
|                           | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SCHEDULE OF QUANTITIES  |                     |      |         |
|---|---------------------|------|---------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                     |      |         |
| SCALE:  | SHEET 1 OF 1 SHEETS | STA. | TO STA. |

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 876/334                   | 2020-257-T | WILL   | 83           | 12        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

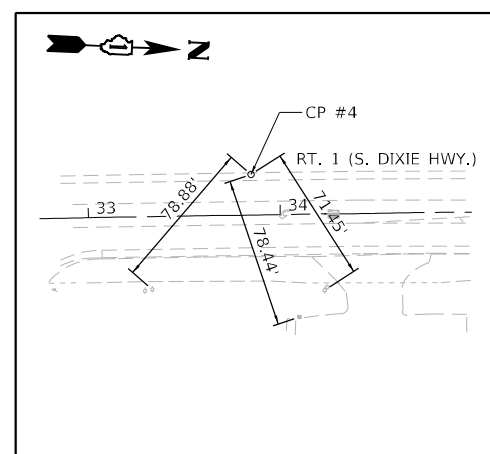


**CONTROL POINT #5**

MAG NAIL  
IN SHOULDER

N=1726072.9  
E=1177601.44  
ELEV=764.517

STA: 32+08.19  
OFF: 29.27' (RT)

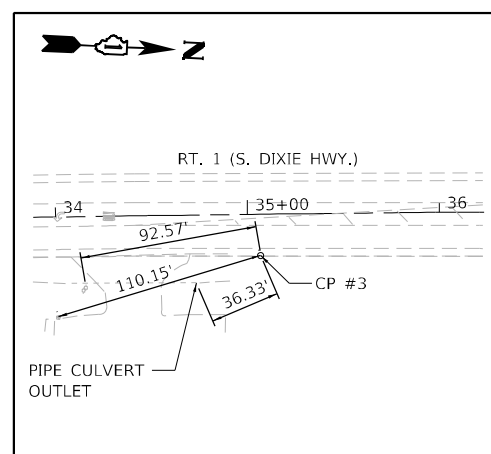


**CONTROL POINT #4**

MAG NAIL  
IN SHOULDER

N=1726244.65  
E=1177536.13  
ELEV=763.57

STA: 33+84.73  
OFF: 21.13' (LT)

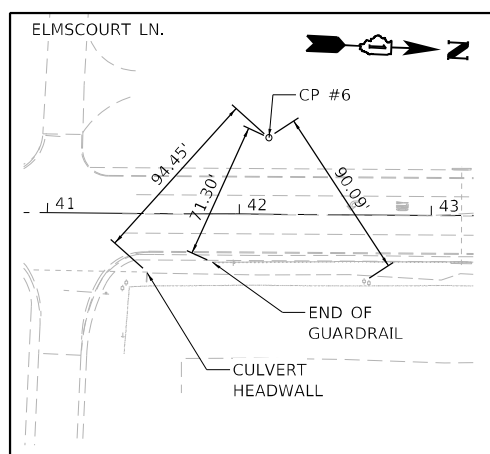


**CONTROL POINT #3**

MAG NAIL  
IN SHOULDER

N=1726369.40  
E=1177568.78  
ELEV=761.95

STA: 35+06.99  
OFF: 21.57' (RT)



**CONTROL POINT #6**

IR/CAP  
SOUTH END  
GUARDRAIL

N=1727072.30  
E=1177462.21  
ELEV=759.49

STA: 4215.51  
OFF: 39.89' (LT)

MODEL: D:\p1\11\028\_PTB1\01\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rpt-ATB\_Loc\_1.dgn  
FILE NAME: S:\2011\11\028\_PTB1\01\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rpt-ATB\_Loc\_1.dgn

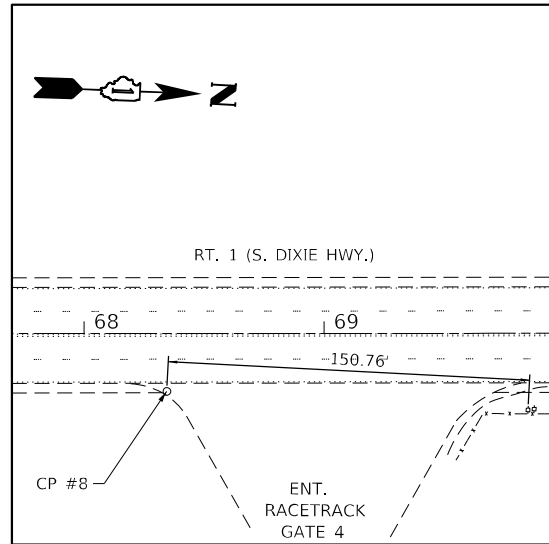
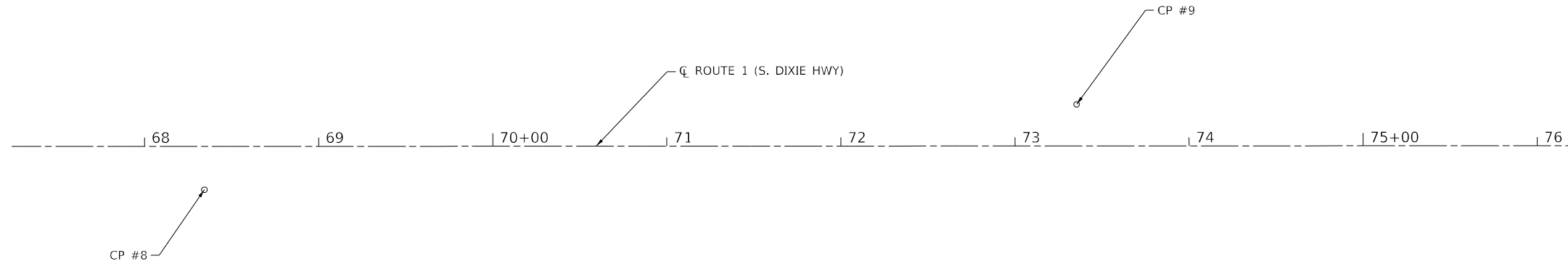
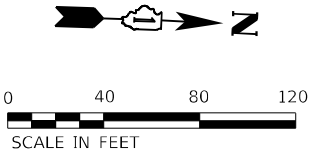


|                                |                     |           |
|--------------------------------|---------------------|-----------|
| USER NAME = wmoahammed         | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AIM / RG               | CHECKED - DRB       | REVISED - |
| PLOT SCALE = 100:0.0000 '"/in. | DATE - 05/11/2022   | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|   |                     |
|---|---------------------|
| <b>ALIGNMENT, TIES AND BENCHMARKS<br/>LOCATION 1</b>                        |                     |
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                     |
| SCALE: 1" = 50'   | SHEET 1 OF 7 SHEETS |
| STA. 32+00.00   | TO STA. 45+50.00    |

|                           |                    |             |                    |              |
|---------------------------|--------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 876/334       | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 13 |
| ILLINOIS FED. AID PROJECT |                    |             | CONTRACT NO. 62N27 |              |

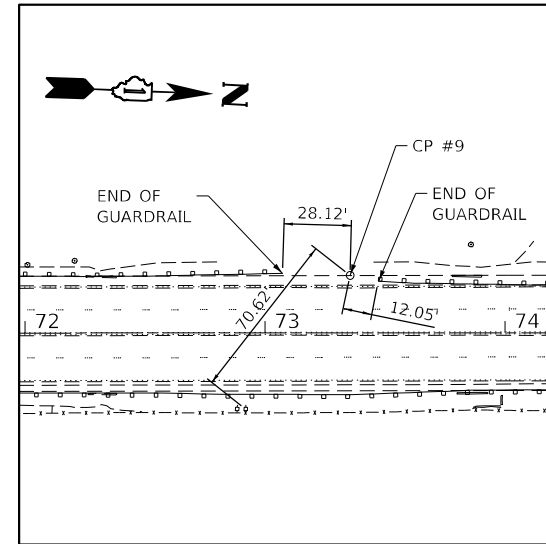


**CONTROL POINT #8**

MAG NAIL  
SHOULDER AT  
DRIVEWAY ENTRANCE

N= 1729690.51  
E= 1177366.78  
ELEV=750.04

STA: 68+34.41  
OFF: 24.90' (RT)



**CONTROL POINT #9**

IR/CAP  
ABOUT GUARDRAIL

N= 1730187.68  
E= 1177287.37  
ELEV=747.54

STA: 73+35.49  
OFF: 23.97' (LT)

MODEL: D:\p4\h\... FILE NAME: S:\20\19\1811028\_PTB101\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rpt-ATB\_Loc\_2.dgn



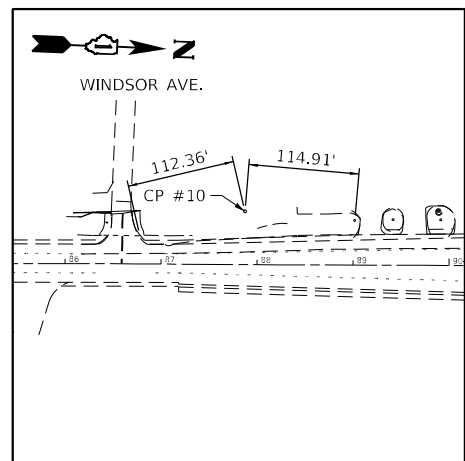
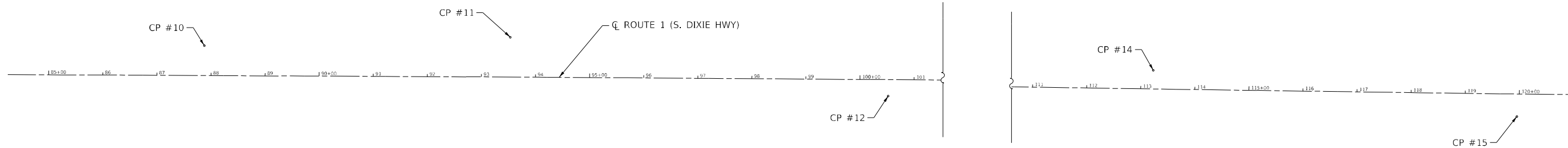
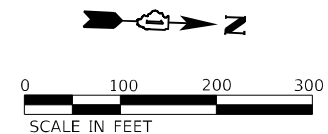
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 80,0000 * / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/11/2022        | DATE - 05/11/2022   | REVISED - |

|                   |           |
|-------------------|-----------|
| DRAWN - AJM / RG  | REVISED - |
| DATE - 05/11/2022 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| ALIGNMENT, TIES AND BENCHMARKS<br>LOCATION 2                                |                     |               |                  |
|---|---------------------|---------------|------------------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                     |               |                  |
| SCALE: 1" = 40'   | SHEET 2 OF 7 SHEETS | STA. 68+00.00 | TO STA. 76+00.00 |

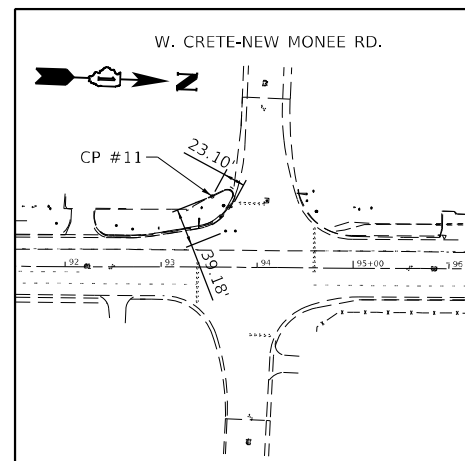
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 876/334                   | 2020-257-T | WILL   | 83           | 14        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



**CONTROL POINT #10**  
IR/CAP  
SHOULDER AT  
DRIVEWAY ENTRANCE

N= 1731635.30  
E= 1177169.94  
ELEV=760.39

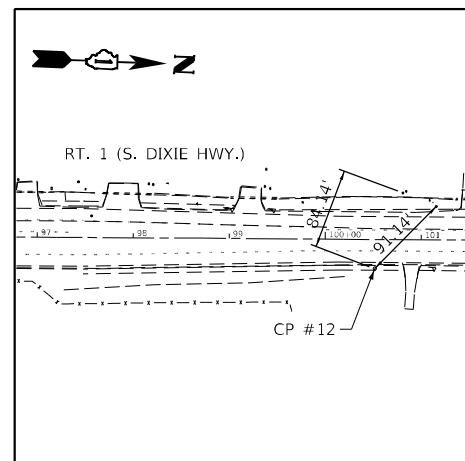
STA: 87+87.56  
OFF: 55.44 (LT)



**CONTROL POINT #11**  
CPX  
CUT CROSS

N= 1732199.09  
E= 1177120.13  
ELEV=748.28

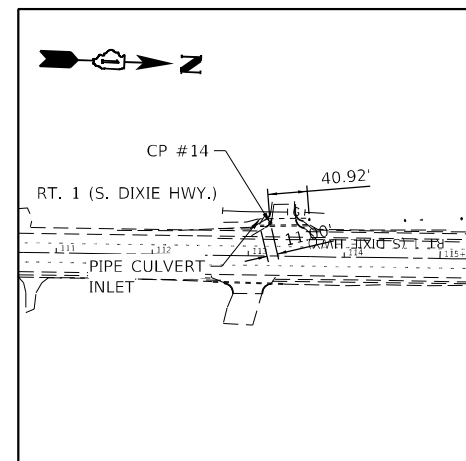
STA: 93+52.98  
OFF: 73.75' (LT)



**CONTROL POINT #12**  
IR/CAP

N= 1732902.98  
E= 1177186.40  
ELEV=742.43

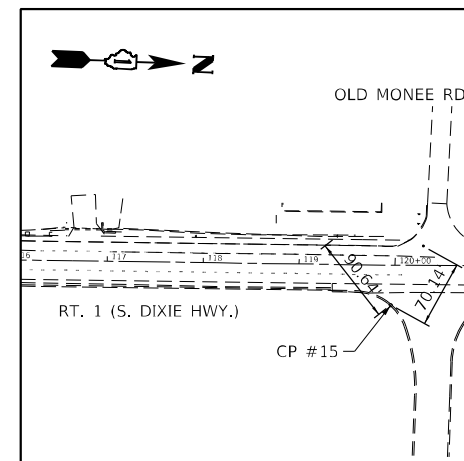
STA: 100+52.14  
OFF: 30.35' (RT)



**CONTROL POINT #14**  
CPX  
CUT CROSS

N= 1734168.88  
E= 1177061.72  
ELEV=743.35

STA: 113+22.70  
OFF: 34.49' (LT)



**CONTROL POINT #15**  
CPX  
CUT CROSS  
IN CURB

N= 1734845.04  
E= 1177106.33  
ELEV=740.70

STA: 119+95.83  
OFF: 41.61' (RT)

MODEL: D:\p\11\1811028\_PTB1\01\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\Sheet\11\_62N27-rhs-ATB\_Loc\_3.dgn

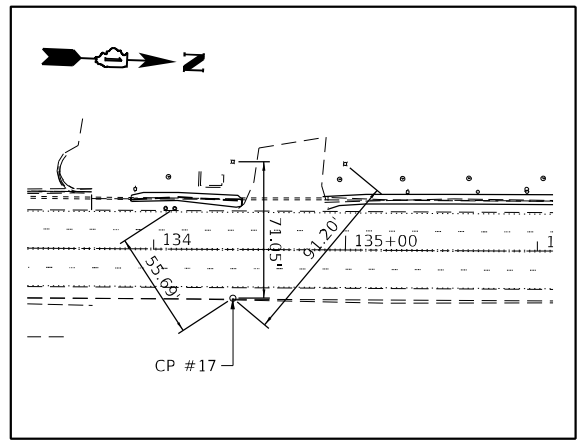
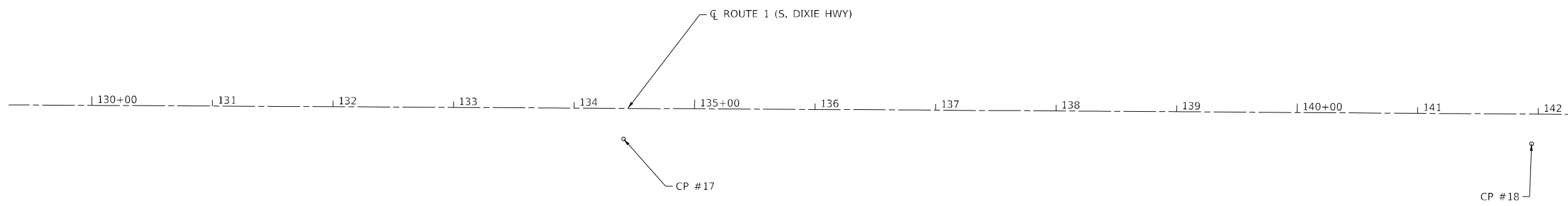
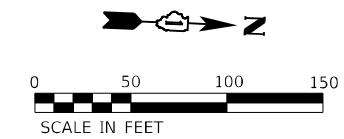


|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
|                              | DRAWN - AJM / RG    | REVISED - |
| PLOT SCALE = 200,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/11/2022        | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| ALIGNMENTS, TIES AND BENCHMARKS   |                     |
|---|---------------------|
| LOCATION 3  |                     |
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |                     |
| SCALE: 1" = 100'  | SHEET 3 OF 7 SHEETS |
| STA. 85+00.00   | TO STA. 121+00.00   |

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 876/334            | 2020-257-T | WILL   | 83                        | 15        |
| CONTRACT NO. 62N27 |            |        | ILLINOIS FED. AID PROJECT |           |

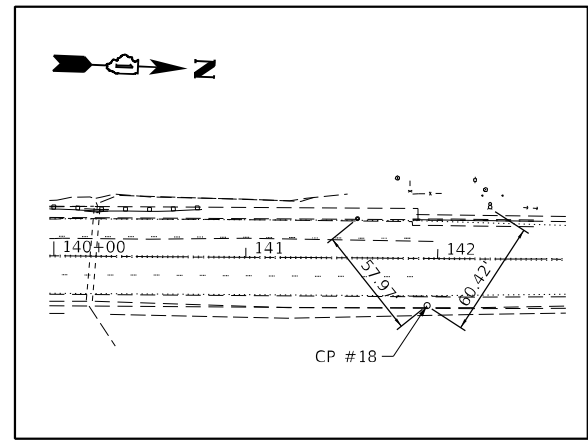


**CONTROL POINT #17**

IRC

N= 1736287.82  
E= 1177013.63  
ELEV=736.92

STA: 134+41.40  
OFF: 25.42' (RT)



**CONTROL POINT #18**

IRC

N= 1737039.94  
E= 1176971.86  
ELEV=734.71

STA: 141+94.70  
OFF: 24.66' (RT)

MODEL: D:\p1\19110228\_P1\19110228\_P1\003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rh-ATB\_Loc\_4.dgn



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AJM / RG    | REVISED - |
| PLOT DATE = 5/11/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/11/2022   | REVISED - |

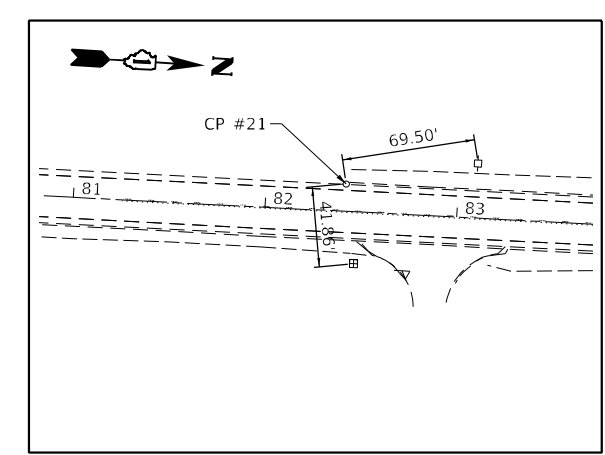
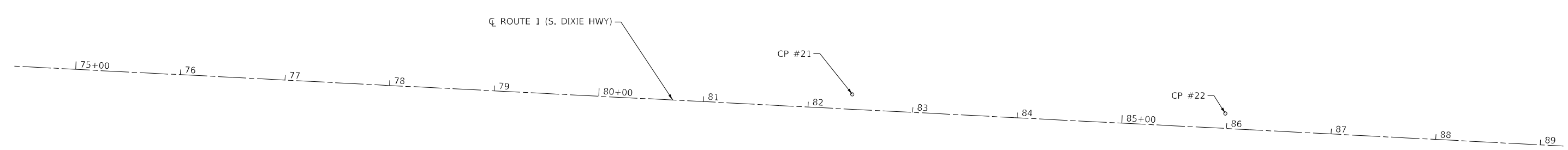
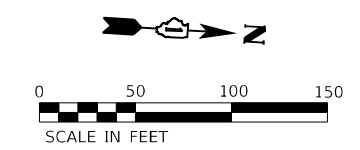
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS  
LOCATION 4  
IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION**

SCALE: 1" = 50'    SHEET 4 OF 7 SHEETS    STA. 130+00.00 TO STA. 142+00.00

|                           |                    |             |                    |              |
|---------------------------|--------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 376/334       | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 16 |
| ILLINOIS FED. AID PROJECT |                    |             | CONTRACT NO. 62N27 |              |

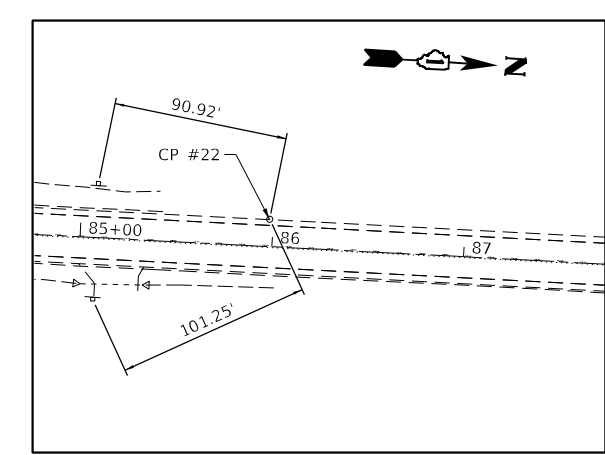




**CONTROL POINT #21**

MAG NAIL

N= 1693842.29  
 E= 1179850.88  
 ELEV=712.47  
 STA: 82+41.67  
 OFF: 14.31' (LT)



**CONTROL POINT #22**

MAG NAIL

N= 1694198.78  
 E= 1179847.54  
 ELEV=712.31  
 STA: 85+98.18  
 OFF: 14.34' (LT)

MODEL: D:\p1\11\11\028\_PTB1\01\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rpt-ATB\_Loc\_5.dgn  
 FILE NAME: S:\2019\11\11\028\_PTB1\01\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rpt-ATB\_Loc\_5.dgn



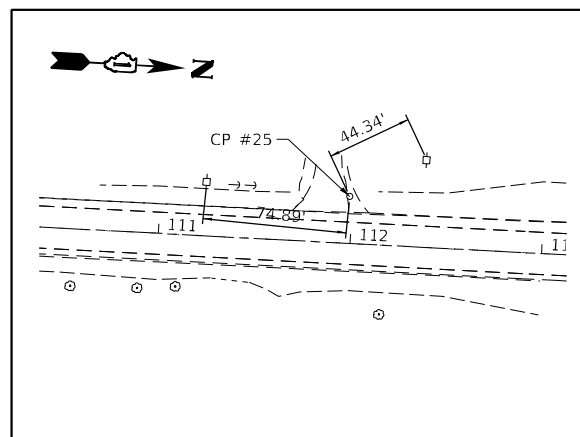
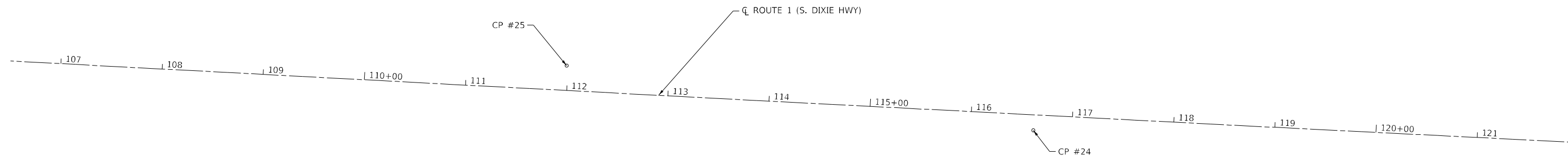
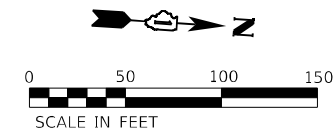
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
|                              | DRAWN - AJM / RG    | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/11/2022        | DATE - 05/11/2022   | REVISED - |

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

**ALIGNMENT, TIES AND BENCHMARKS**  
**LOCATION 5**  
**IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION**

SCALE: 1" = 50'    SHEET 5 OF 7 SHEETS    STA. 75+00.00 TO STA. 89+00.00

|                           |                    |             |                    |              |
|---------------------------|--------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 876/334       | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 17 |
| ILLINOIS FED. AID PROJECT |                    |             | CONTRACT NO. 62N27 |              |

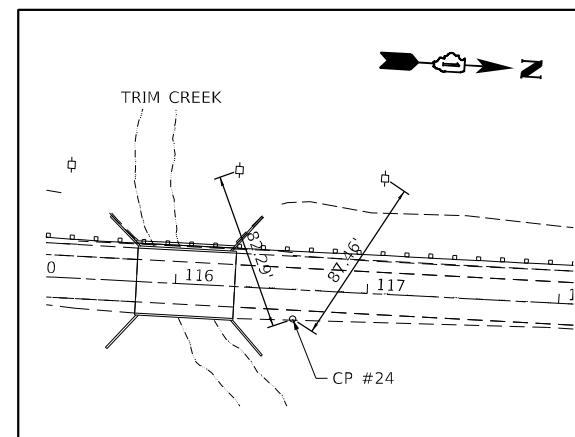


**CONTROL POINT #25**

MAG NAIL  
EDGE OF DRIVEWAY

N= 1696799.08  
E= 1179814.63  
ELEV=693.22

STA: 111+98.65  
OFF: 24.43' (LT)



**CONTROL POINT #24**

MAG NAIL  
EDGE SHOULDER

N= 1697262.78  
E= 1179850.32  
ELEV=696.91

STA: 116+62.03  
OFF: 15.26' (RT)

MODEL: D:\p1\11\028\_P1\11\_003\1101\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\11\_62N27-rpt-ATB\_Loc\_6.dgn

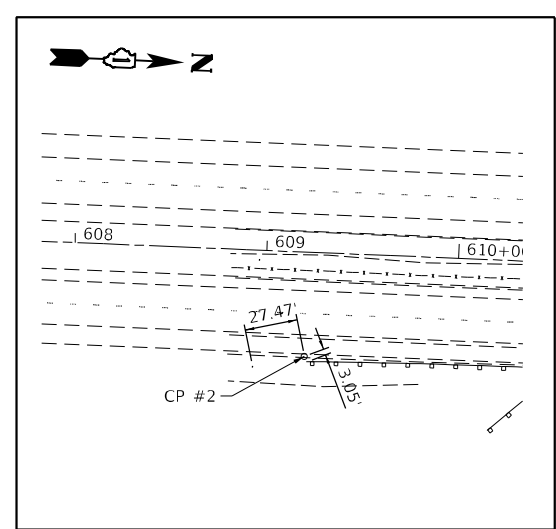
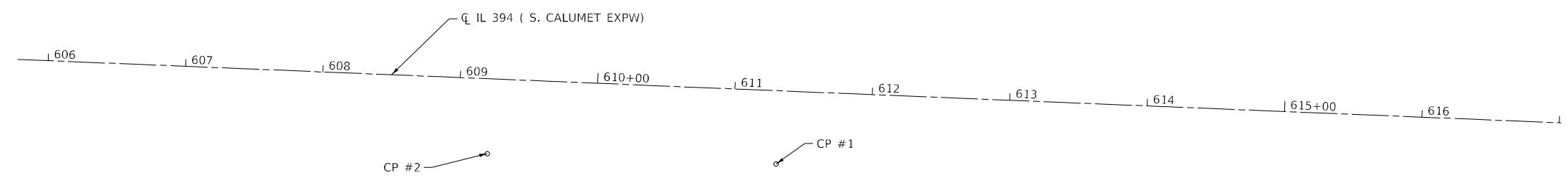
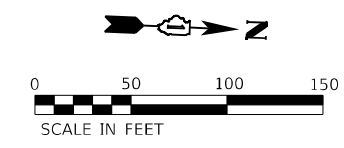


|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AJM / RG    | REVISED - |
| PLOT DATE = 5/11/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| ALIGNMENT, TIES AND BENCHMARKS                               |                     |                |                   |
|--|---------------------|----------------|-------------------|
| LOCATION 6   |                     |                |                   |
| IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION |                     |                |                   |
| SCALE: 1" = 50'  | SHEET 6 OF 7 SHEETS | STA. 107+00.00 | TO STA. 121+00.00 |

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|------------|--------|---------------------------|-----------|
| 876/332            | 2020-257-T | WILL   | 83                        | 18        |
| CONTRACT NO. 62N27 |            |        | ILLINOIS FED. AID PROJECT |           |

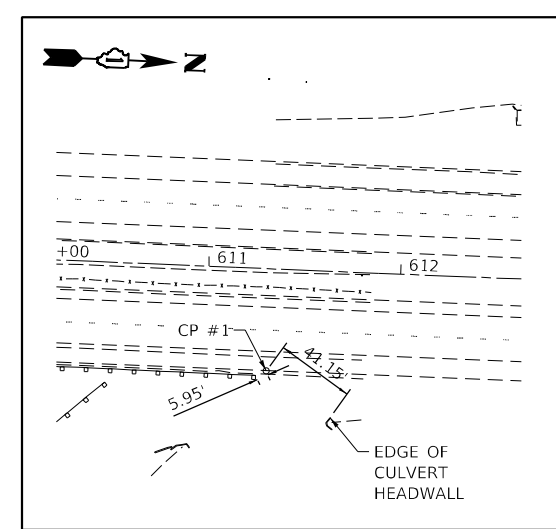


**CONTROL POINT #2**

MAG NAIL  
IN SHOULDER  
SOUTH END GUARDRAIL

N= 1192162.56  
E= 1739252.52  
ELEV=704.83

STA: 609+21.86  
OFF: 54.31' (RT)



**CONTROL POINT #1**

MAG NAIL  
IN SHOULDER  
NORTH END GUARDRAIL

N= 1192134.15  
E= 1739844.14  
ELEV=705.49

STA: 611+32.08  
OFF: 53.24' (RT)

MODEL: D:\p\h\... FILE NAME: S:\2019\1811028\_PFB\191\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rhs-ATB\_Loc\_7.dgn



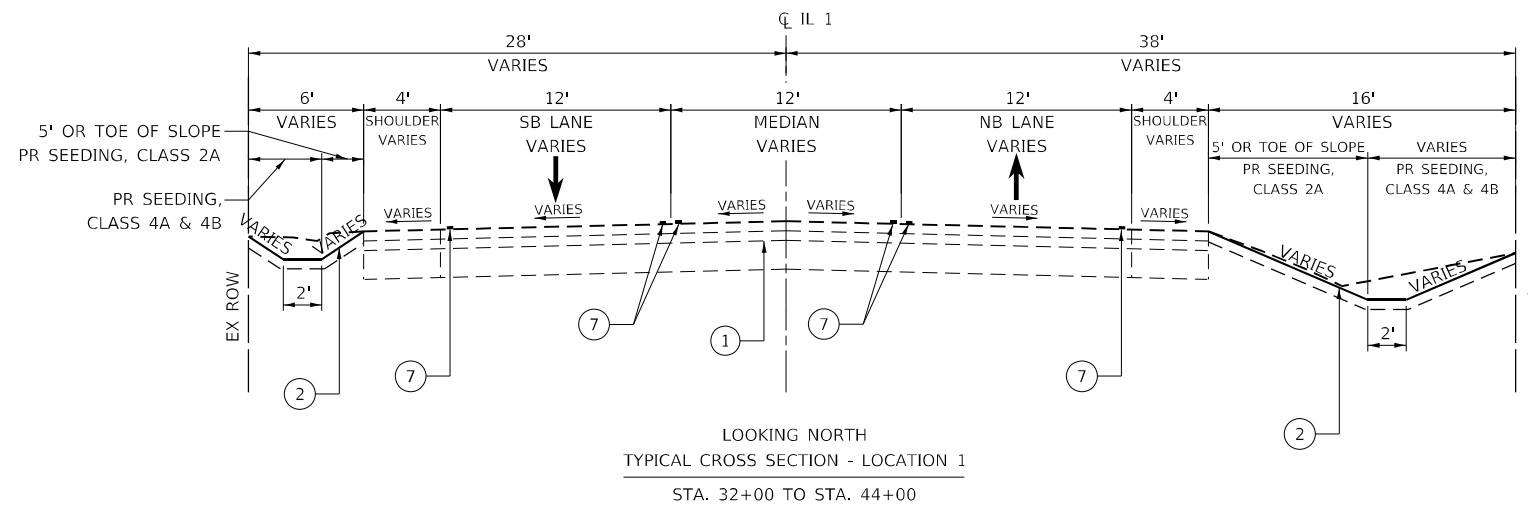
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
|                              | DRAWN - AJM / RG    | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/11/2022        | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

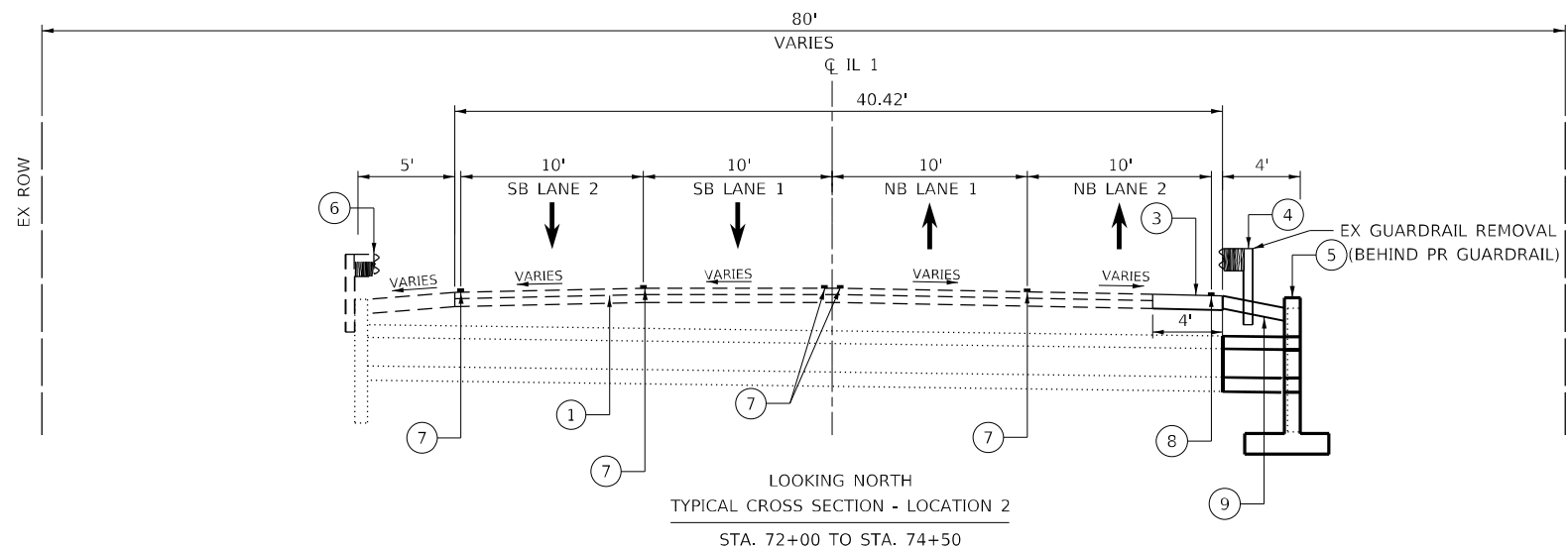
**ALIGNMENT, TIES AND BENCHMARKS  
LOCATION 7  
IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION**

SCALE: 1" = 50'    SHEET 7 OF 7 SHEETS    STA. 606+00.00 TO STA. 617+00.00

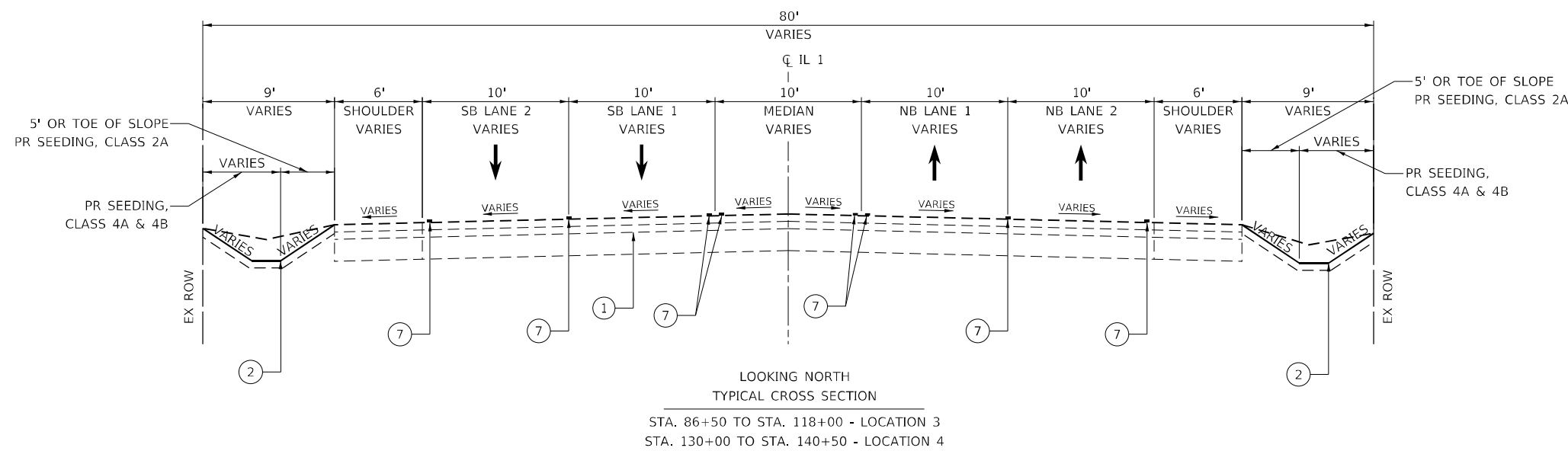
|                     |                    |             |                           |              |
|---------------------|--------------------|-------------|---------------------------|--------------|
| F.A.P. RTE. 376/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 19 |
| CONTRACT NO. 62N27  |                    |             | ILLINOIS FED. AID PROJECT |              |



LOOKING NORTH  
TYPICAL CROSS SECTION - LOCATION 1  
STA. 32+00 TO STA. 44+00



LOOKING NORTH  
TYPICAL CROSS SECTION - LOCATION 2  
STA. 72+00 TO STA. 74+50



LOOKING NORTH  
TYPICAL CROSS SECTION  
STA. 86+50 TO STA. 118+00 - LOCATION 3  
STA. 130+00 TO STA. 140+50 - LOCATION 4

**HMA MIXTURE TABLE**

| PAY ITEM DESCRIPTION                         | MIX TYPE  | % AIR VOIDS @ Ndes | QMP DESIGNATION |
|--|---|--------------------|-----------------|
| CLASS D PATCHES, TYPE III, 9 INCH (SPECIAL)  | HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (IL-9.5mm); TOP 2" | 4% @ 70 GYR        | QC/QA           |
|  | (HMA BINDER IL-19 mm)   | 4% @ 70 GYR        | QC/QA           |
| CLASS D PATCHES, TYPE III, 10 INCH (SPECIAL) | HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (IL-9.5mm); TOP 2" | 4% @ 70 GYR        | QC/QA           |
|  | (HMA BINDER IL-19 mm)   | 4% @ 70 GYR        | QC/QA           |
| COMMERCIAL DRIVEWAYS                         | HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL-9.5mm); TOP 2" | 4% @ 50 GYR        | QC/QA           |
|  | HMA BASE COURSE, 8" (HMA BINDER IL-19 mm)                     | 4% @ 50 GYR        | QC/QA           |
| HMA SHOULDERS, 8"                            | HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (IL-9.5mm); TOP 2" | 4% @ 70 GYR        | QC/QA           |
|  | (HMA BINDER IL-19 mm)   | 4% @ 70 GYR        | QC/QA           |

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIX QUANTITIES IS 112 LBS/SQYD/IN. THE AC TYPE FOR POLYMERIZED HMA MIXTURES 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.

**LEGEND**

- ① EXISTING HMA PAVEMENT
- ② GRADING AND SHAPING DITCHES
- ③ CLASS D PATCHES, TYPE III, 9 INCH (SPECIAL)
- ④ STEEL PLATE BEAM GUARDRAIL
- ⑤ VERTICAL CANTILEVER T-TYPE WINGWALL
- ⑥ EXISTING GUARDRAIL
- ⑦ EXISTING PAVEMENT MARKING
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4"
- ⑨ AGGREGATE SHOULDERS, TYPE B 4"

(SEE PLAN AND PROFILE SHEETS FOR ITEM LOCATIONS)

MODEL: D:\p\h\... FILE NAME: S:\2019\18110228\_PFB\191\_003\1\VO\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\1162N27-rh-typical-sections.dgn



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoammed         | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 10,0000 * / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/26/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**  
**IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION**









|                                     |                    |             |                    |              |
|-------------------------------------|--------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 876/334                 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 20 |
| SCALE: SHEET OF SHEETS STA. TO STA. |                    |             | CONTRACT NO. 62N27 |              |
| ILLINOIS FED. AID PROJECT           |                    |             |                    |              |

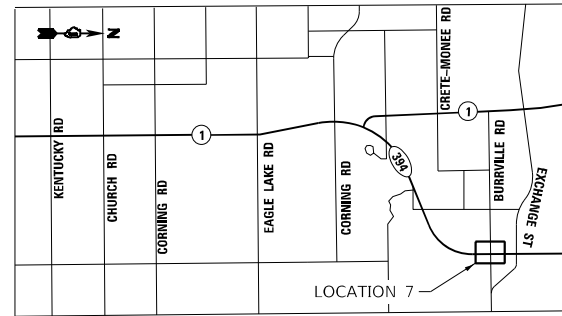
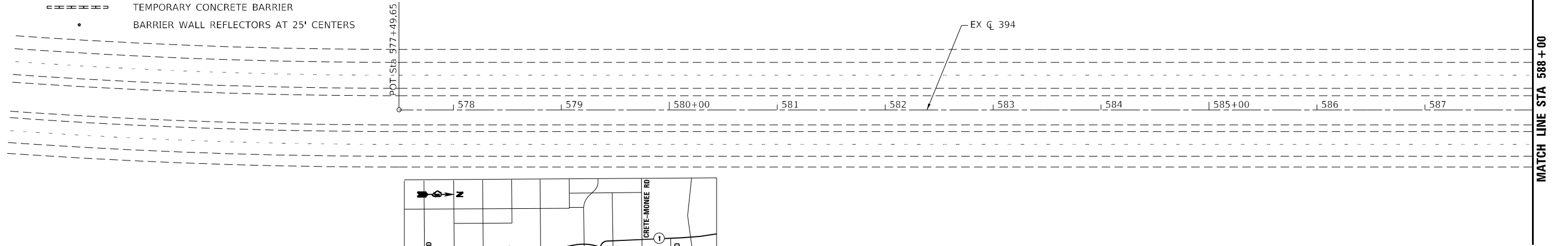
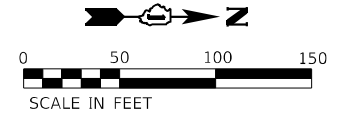






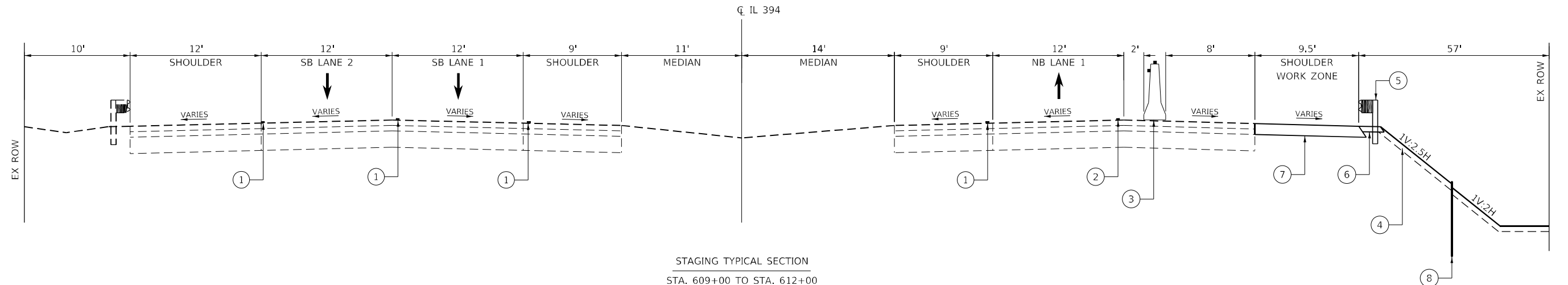
**LEGEND**

-  WORK ZONE
-  IMPACT ATTENUATOR (NON-REDIRECTIVE), TEST LEVEL 3
-  TYPE II BARRICADE
-  SIGN
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  ARROW BOARD
-  TEMPORARY CONCRETE BARRIER
-  BARRIER WALL REFLECTORS AT 25' CENTERS



**LEGEND**

- ① EXISTING PAVEMENT MARKING
- ② PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE)
- ③ TEMPORARY CONCRETE BARRIER W/ TYPE C REFLECTORS PER STD 704001
- ④ GRADING AND SHAPING DITCHES
- ⑤ STEEL PLATE BEAM GUARDRAIL
- ⑥ AGGREGATE SHOULDERS, TYPE B 4"
- ⑦ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑧ PERMANENT SHEET PILING / SOLIDER PILES WITH LAGGING



MODEL: D:\p4\h... FILE NAME: S:\2019\1911028\_PFB\191\_003\W0\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-rft-MOT\_Loc\_7\_IL\_394.dwg



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/25/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/10/2022   | REVISED - |

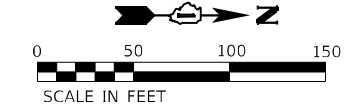
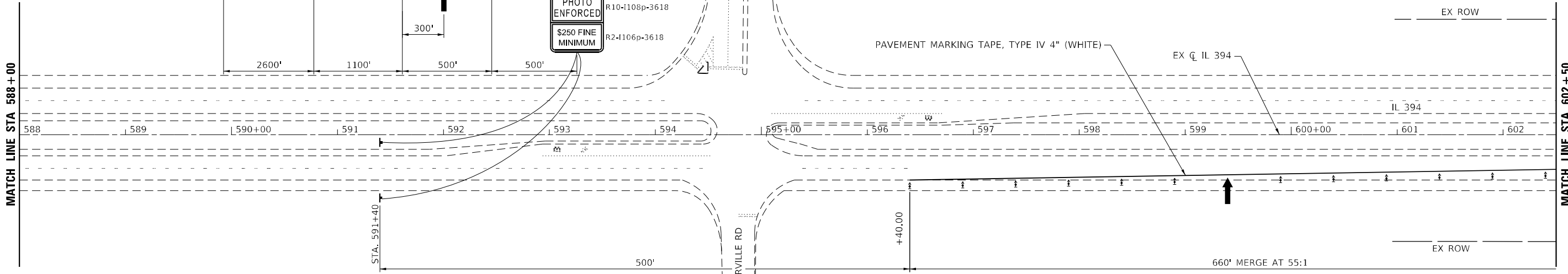
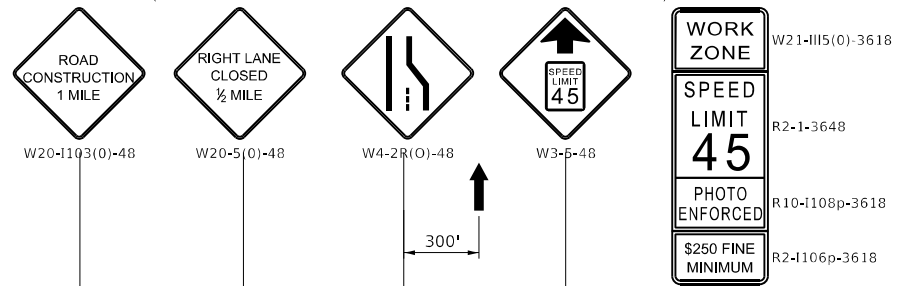
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|   |                     |                                  |  |
|---|---------------------|----------------------------------|--|
| <b>MAINTENANCE OF TRAFFIC<br/>LOCATION 7<br/>IL 394, 1050 FT. SOUTH OF EXCHANGE ST.</b> |                     |                                  |  |
| SCALE: 1" = 50'   | SHEET 1 OF 2 SHEETS | STA. 574+00.00 TO STA. 588+00.00 |  |

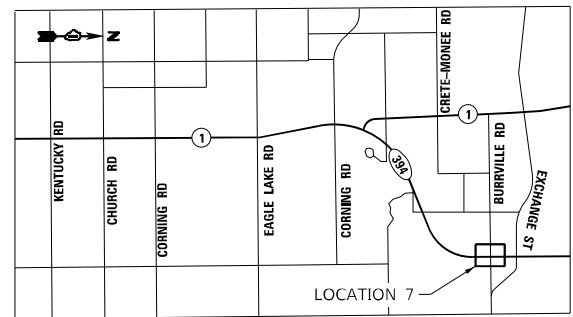
|                           |                    |             |                    |              |
|---------------------------|--------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 876           | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 24 |
|                           |                    |             | CONTRACT NO. 62N27 |              |
| ILLINOIS FED. AID PROJECT |                    |             |                    |              |



**ADVANCED SIGNING**  
(PROVIDE SIGNING ON BOTH SIDES OF NORTHBOUND LANES)

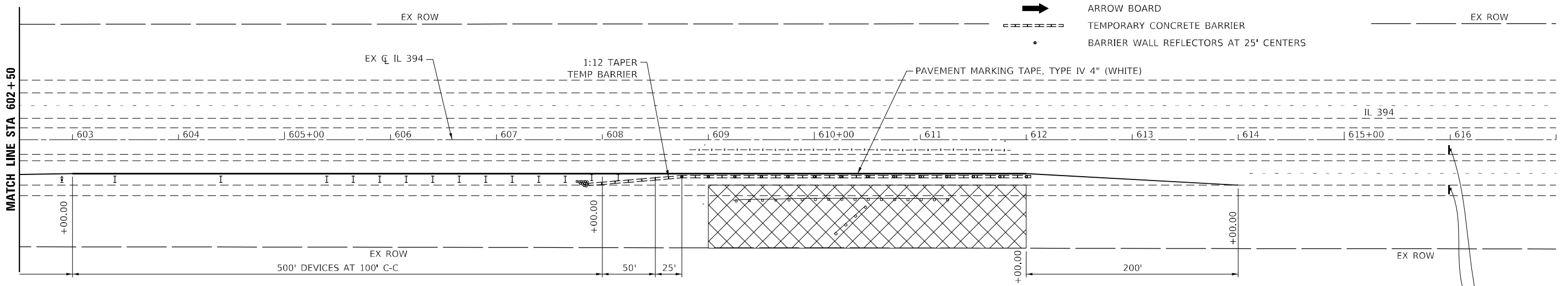
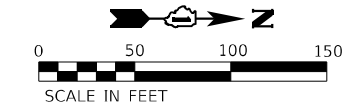


- LEGEND**
- WORK ZONE
  - IMPACT ATTENUATOR (NON-REDIRECTIVE), TEST LEVEL 3
  - TYPE II BARRICADE
  - SIGN
  - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - ARROW BOARD
  - TEMPORARY CONCRETE BARRIER
  - BARRIER WALL REFLECTORS AT 25' CENTERS



**KEY MAP**

- LEGEND**
- WORK ZONE
  - IMPACT ATTENUATOR (NON-REDIRECTIVE), TEST LEVEL 3
  - TYPE II BARRICADE
  - SIGN
  - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - ARROW BOARD
  - TEMPORARY CONCRETE BARRIER
  - BARRIER WALL REFLECTORS AT 25' CENTERS



END  
WORK ZONE  
SPEED LIMIT  
G20-1103-6036

MODEL: D:\p4\11... FILE NAME: S:\2019\11\01\028\_PTB1\01\_003\1\VO\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheet\162N27-rft-MOT\_Loc\_7\_IL\_394.dwg



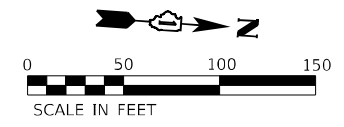
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wnohammed        | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AIM / RG             | REVISED -           |           |
| PLOT SCALE = 100,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/25/2022        | DATE - 05/10/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

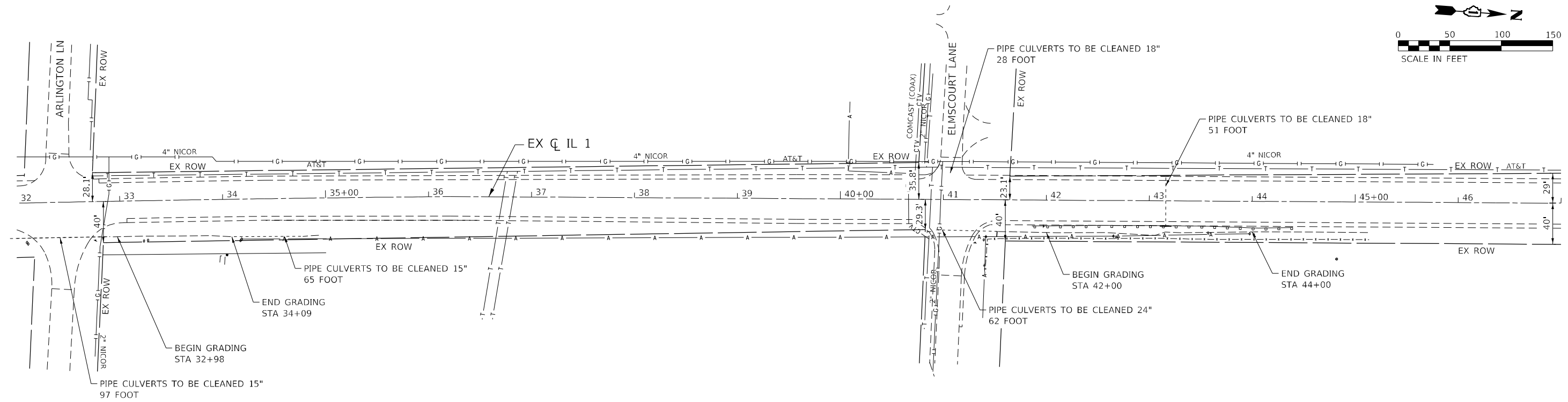
**MAINTENANCE OF TRAFFIC  
LOCATION 7  
IL 394, 1050 FT. SOUTH OF EXCHANGE ST.**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 588+00.00 TO STA. 617+00.00

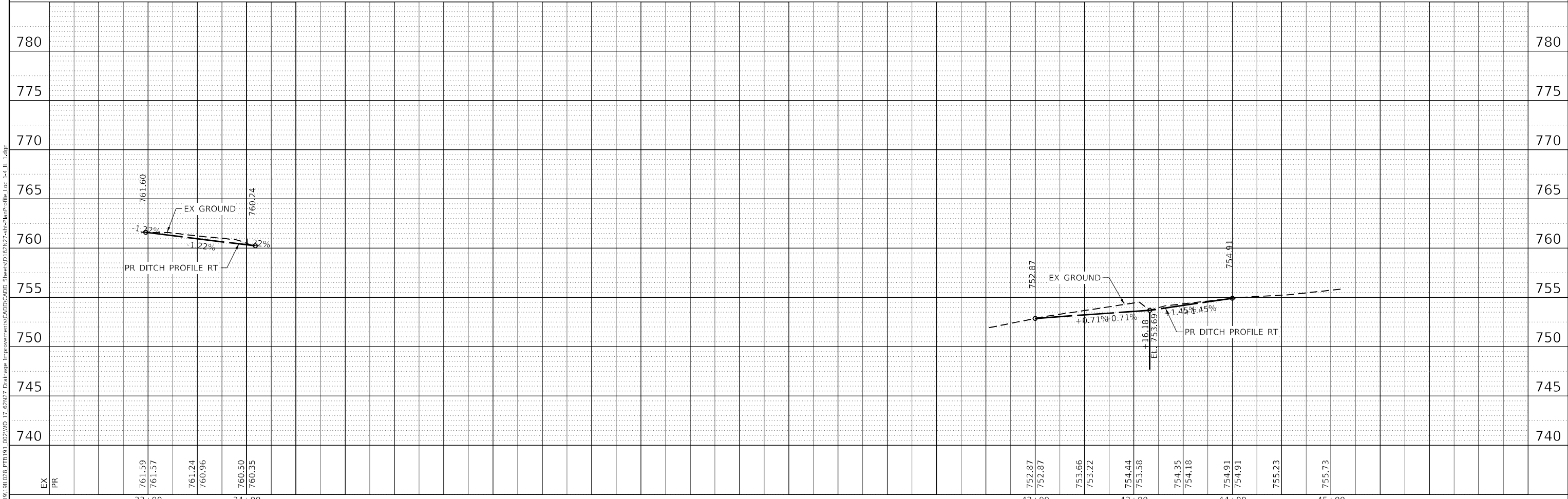
|                    |                    |             |                           |              |
|--------------------|--------------------|-------------|---------------------------|--------------|
| F.A.P. RTE. 876    | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 25 |
| CONTRACT NO. 62N27 |                    |             | ILLINOIS FED. AID PROJECT |              |



|      |                            |      |
|------|----------------------------|------|
| PLAN | SURVEYED                   | DATE |
|      | PLOTTED                    |      |
|      | ALIGNMENT CHECKED          |      |
|      | STRUCTURE NOTATION CHECKED |      |
|      | CADD FILE NAME             |      |
|      | NO.                        |      |
|      | NOTE BOOK                  |      |
|      | NO.                        |      |



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



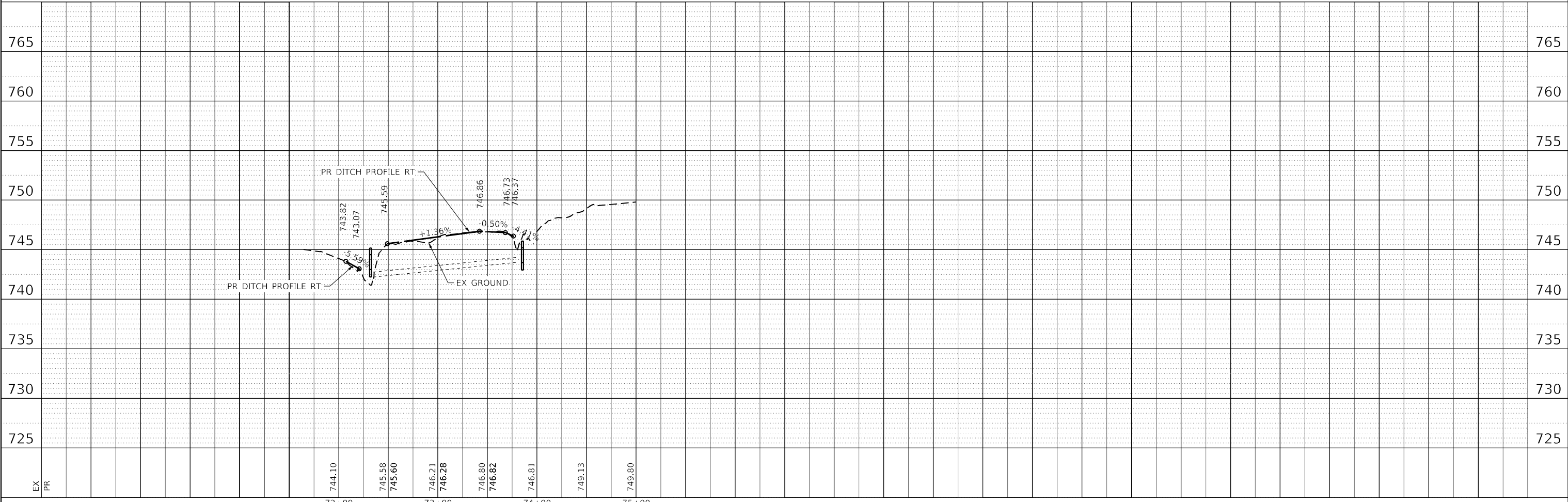
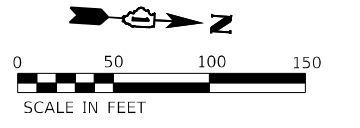
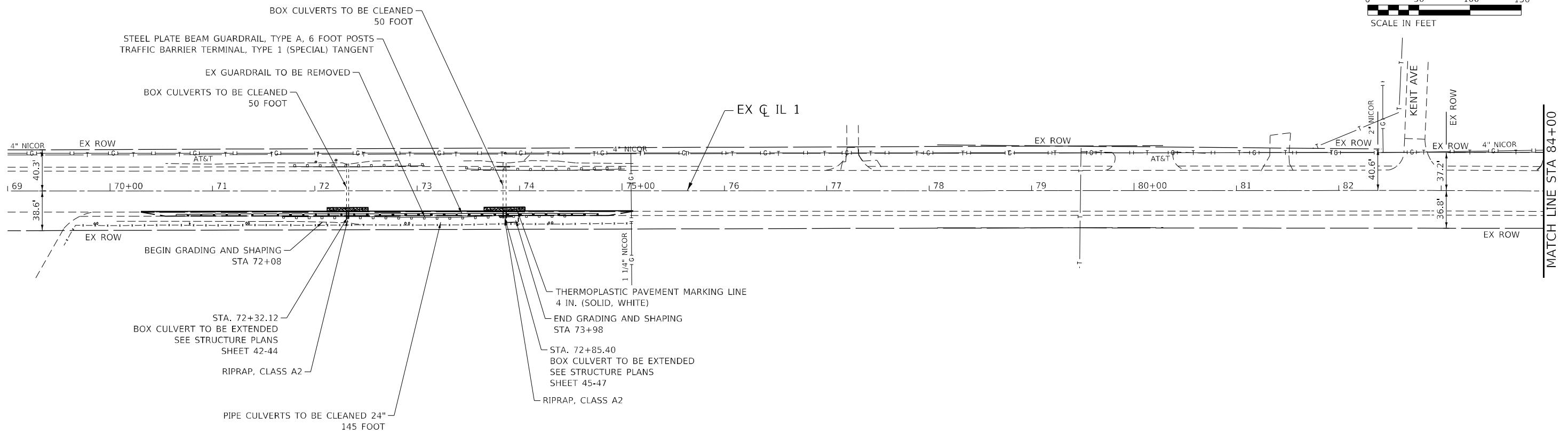
MODEL: Defaulr  
FILE NAME: S:\2020\191181\028-PTB1\01\_005\WD 17-67827 Drainage Improvements\CADD\CADD Sheets\17-67827-struct\PlanProfile Loc 1-4-IL\_1.dgn

|                                  |  |   |  |   |  |   |   |                           |
|----------------------------------|--|---|--|---|--|---|---|---------------------------|
| <br><b>QUIGG ENGINEERING INC</b> | USER NAME = vmohammed<br>PLOT SCALE = 100,0000' / in.<br>PLOT DATE = 5/11/2022 | DESIGNED - AWM / JA<br>DRAWN - AIM / RG<br>CHECKED - DRB<br>DATE - 05/11/2022 | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN AND PROFILE<br/>LOCATION 1<br/>IL 1, N. OF IL 394 TO BURVILLE RD</b> | SCALE: 1" = 50'<br>SHEET 1 OF 10 SHEETS<br>STA. 32+00.00 TO STA. 47+00.00 | F.A.P. RTE. 876<br>SECTION 2020-257-T<br>COUNTY WILL<br>TOTAL SHEETS 83<br>SHEET NO. 26<br>CONTRACT NO. 62N27 | ILLINOIS FED. AID PROJECT |
|----------------------------------|--|---|--|---|--|---|---|---------------------------|

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

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

MODEL: Default  
 FILE NAME: S:\2020\191181\028\_PTB1\01\_005\WD 17-67427 Drainage Improvements\CADD\CADD\_Sheets\17-67427-SubMainProfile-1-4-IL\_1.dgn



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/11/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

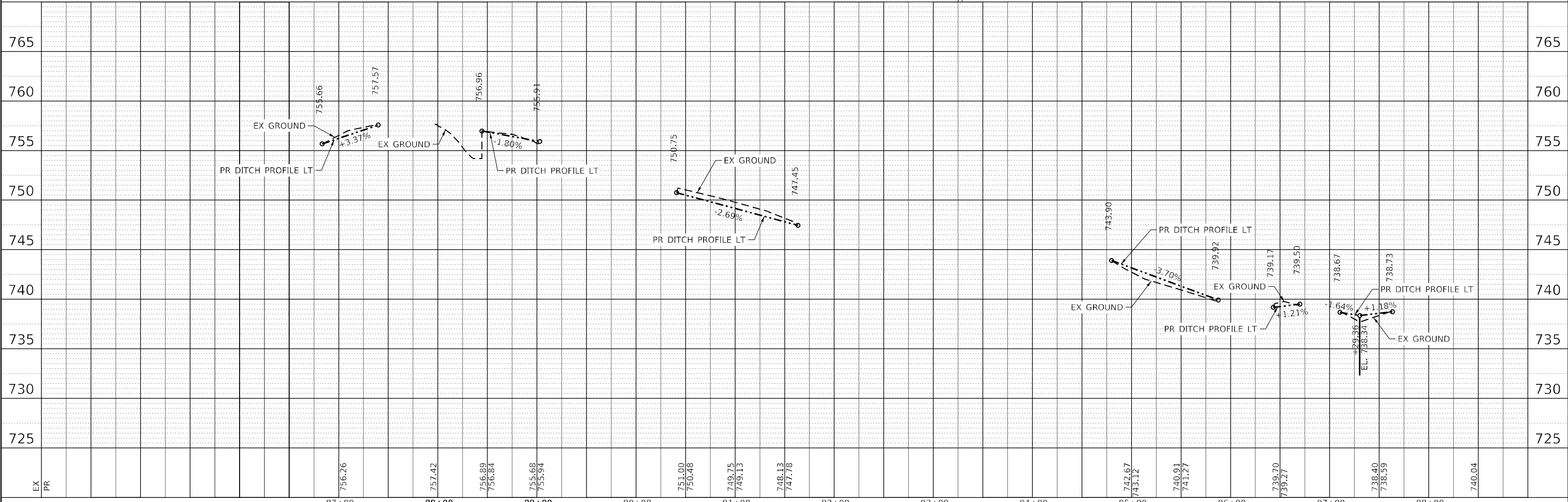
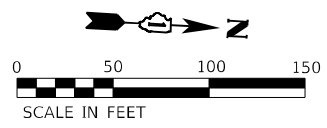
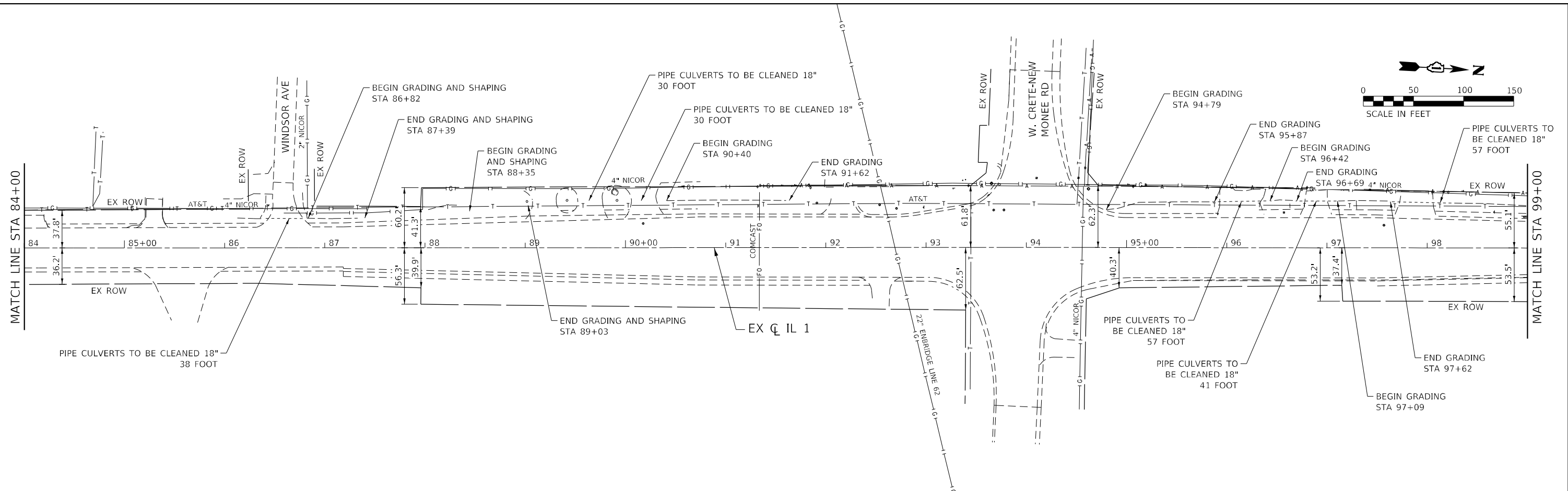
|  |                      |                                |  |
|--|----------------------|--------------------------------|--|
| <b>PLAN AND PROFILE<br/>LOCATION 2<br/>IL 1, N. OF IL 394 TO BURVILLE RD</b> |                      |                                |  |
| SCALE: 1" = 50'  | SHEET 2 OF 10 SHEETS | STA. 69+00.00 TO STA. 84+00.00 |  |

|                           |                    |             |                    |              |
|---------------------------|--------------------|-------------|--------------------|--------------|
| F.A.P. RTE. 876           | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 27 |
| ILLINOIS FED. AID PROJECT |                    |             | CONTRACT NO. 62N27 |              |

|      |                   |      |
|------|-------------------|------|
| PLAN | SURVEYED          | DATE |
|      | PLOTTED           |      |
|      | ALIGNMENT CHECKED |      |
|      | NOTE BOOK         |      |
|      | NO.               |      |
|      | CADD FILE NAME    |      |
|      | NO.               |      |

|         |                             |      |
|---------|-----------------------------|------|
| PROFILE | SURVEYED                    | DATE |
|         | PLOTTED                     |      |
|         | GRADES CHECKED              |      |
|         | NOTE BOOK                   |      |
|         | NO.                         |      |
|         | STRUCTURE NOTATIONS CHECKED |      |
|         | NO.                         |      |

MODEL: Default  
 FILE NAME: S:\2020\191181\028\_PTB1\01\_005\WD 17-67827 Drainage Improvements\CADD\CADD Sheets\17-67827-Sub\MainProfile-1-4-IL\_1.dwg



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
|                              | DRAWN - AIM / RG    | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/11/2022        | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

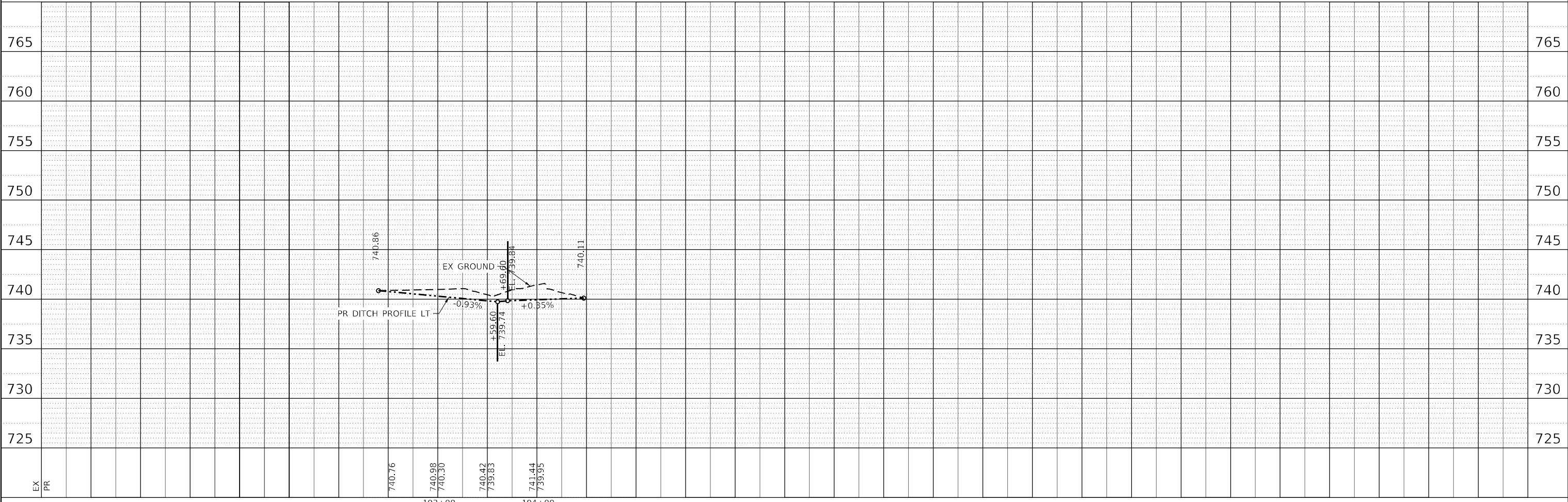
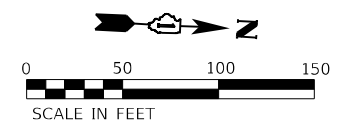
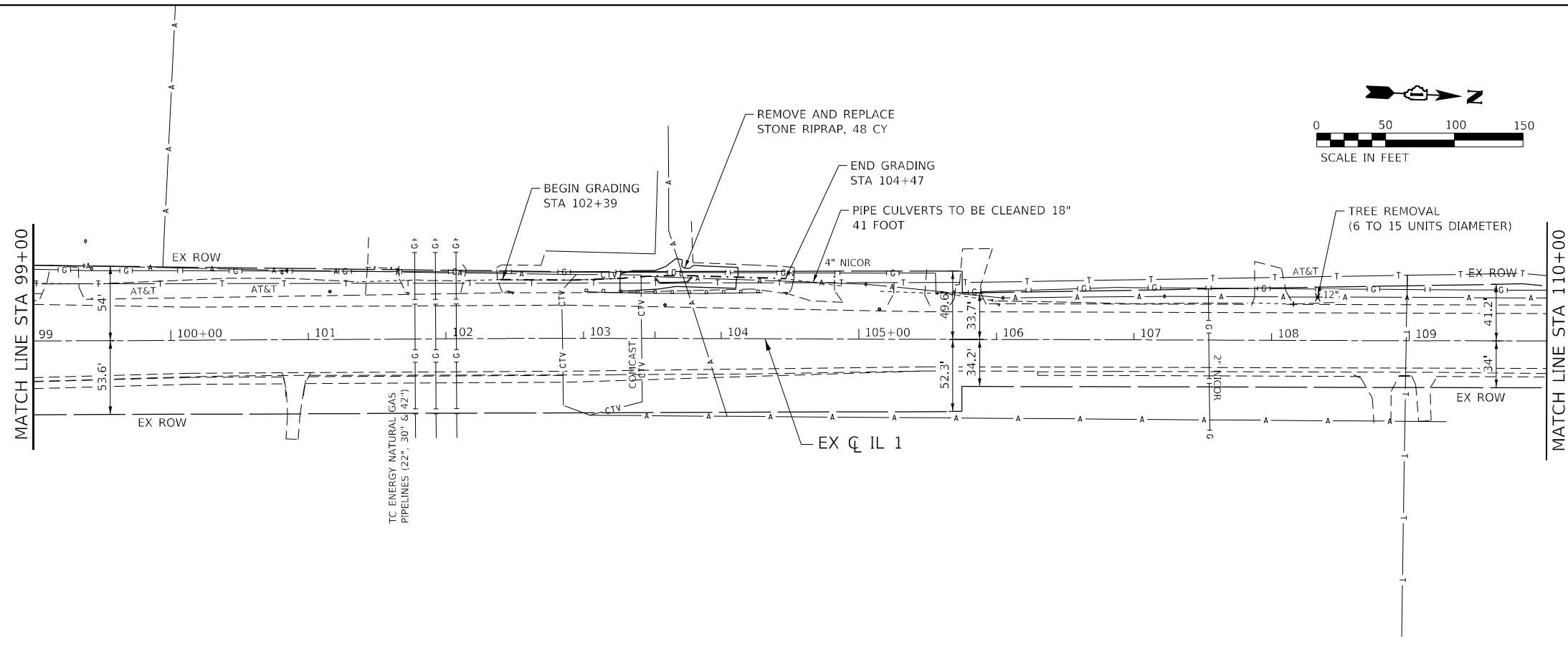
|  |                      |
|--|----------------------|
| <b>PLAN AND PROFILE</b>                  |                      |
| <b>LOCATION 3</b>                        |                      |
| <b>IL 1, N. OF IL 394 TO BURVILLE RD</b> |                      |
| SCALE: 1" = 50'                          | SHEET 3 OF 10 SHEETS |
| STA. 84+00.00                            | TO STA. 99+00.00     |

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 876                       | 2020-257-T | WILL   | 83           | 28        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

|      |                    |      |
|------|--------------------|------|
| PLAN | SURVEYED           | DATE |
|      | PLOTTED            |      |
|      | ALIGNMENT CHECKED  |      |
|      | GRADE CHECKED      |      |
|      | STRUCTURE NOTATION |      |
|      | FILE NAME          |      |
|      | NO.                |      |

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

MODEL: Default  
 FILE NAME: S:\2020\191181028-PTB101-005\WD 17-62427 Drainage Improvements\CADD\CADD Sheets\162427-162427-162427-Profile-1-4-IL\_1.dgn



|                             |                     |           |
|-----------------------------|---------------------|-----------|
| USER NAME = wmoahammed      | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/11/2022       | CHECKED - DRB       | REVISED - |
|                             | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

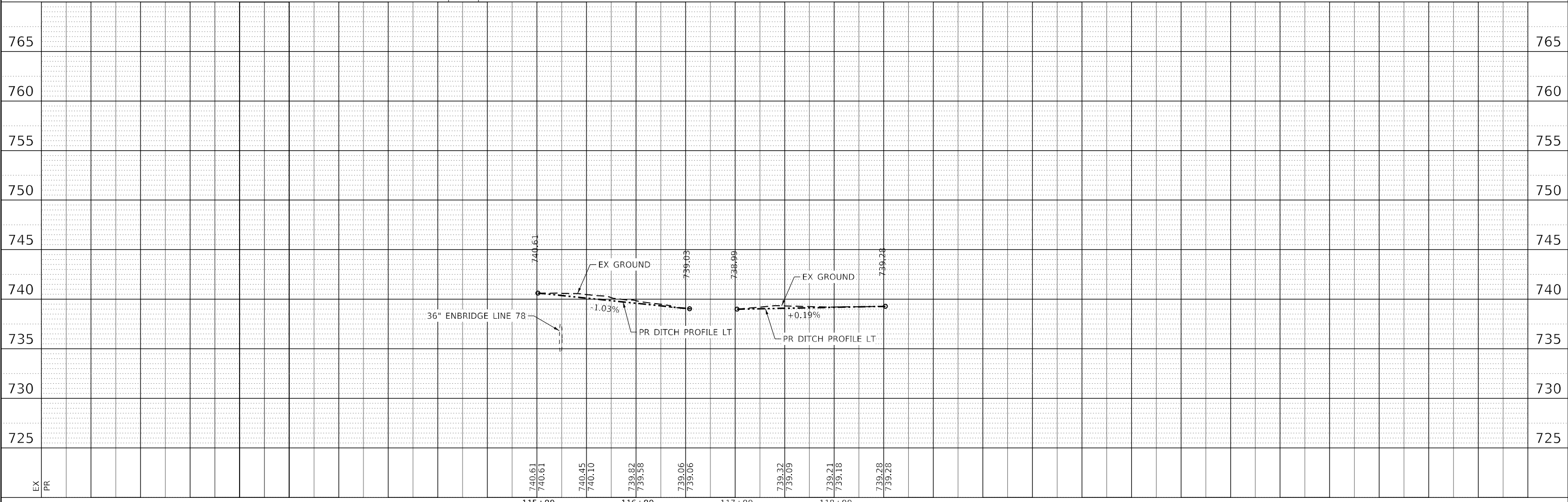
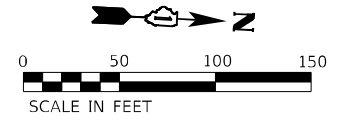
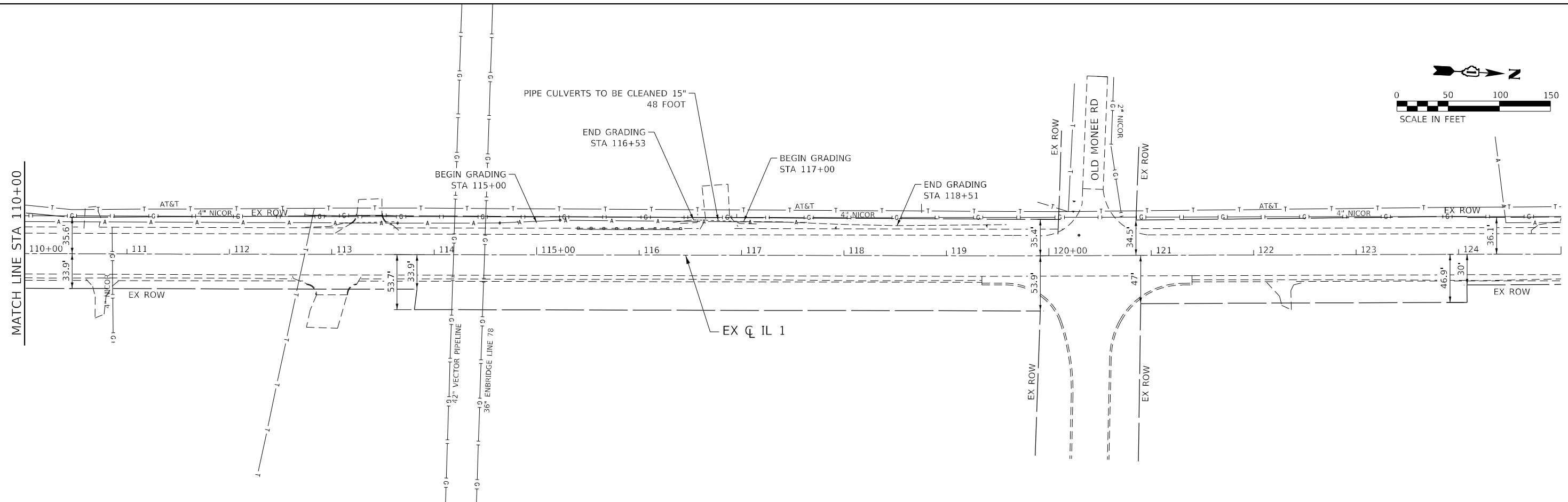
|  |                      |               |                   |
|--|----------------------|---------------|-------------------|
| <b>PLAN AND PROFILE</b>                  |                      |               |                   |
| <b>LOCATION 3</b>                        |                      |               |                   |
| <b>IL 1, N. OF IL 394 TO BURVILLE RD</b> |                      |               |                   |
| SCALE: 1" = 50'                          | SHEET 4 OF 10 SHEETS | STA. 99+00.00 | TO STA. 110+00.00 |

|                    |                    |             |                 |                           |
|--------------------|--------------------|-------------|-----------------|---------------------------|
| F.A.P. RTE. 876    | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83 | SHEET NO. 29              |
| CONTRACT NO. 62N27 |                    |             |                 | ILLINOIS FED. AID PROJECT |

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

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

MODEL: Default  
 FILE NAME: S:\2020\191181028\_PTB101\_005\WD 17-67827 Drainage Improvements\CADD\CADD Sheets\167827-struct\MainProfile-1-4-IL\_1.dgn

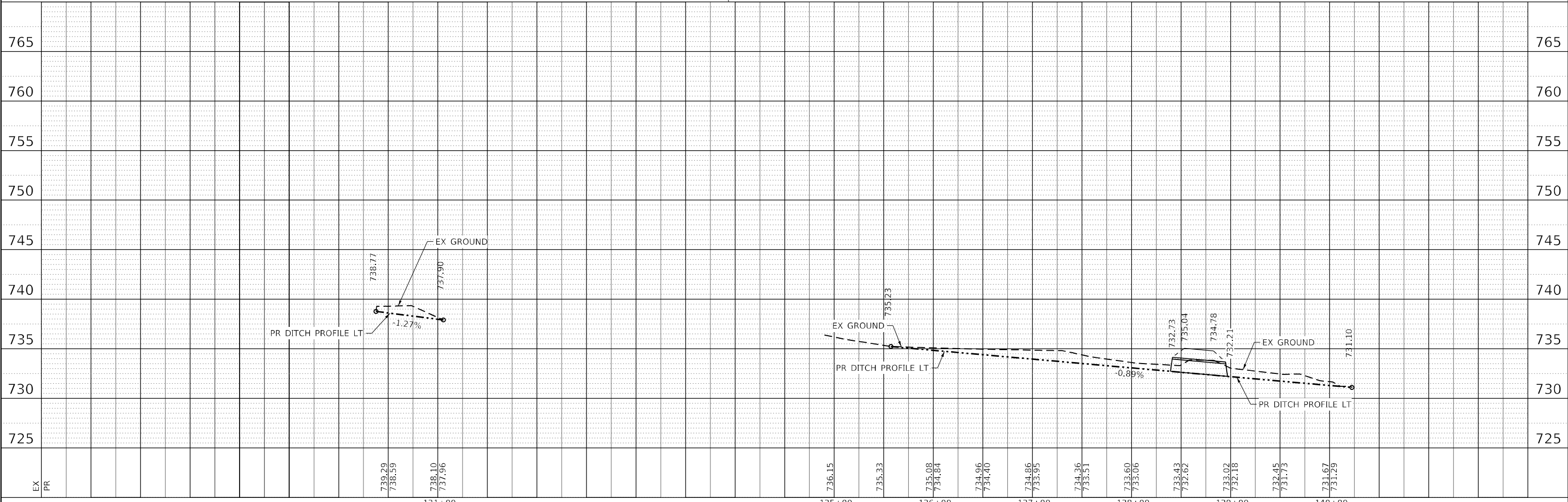
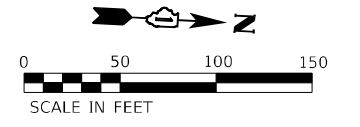
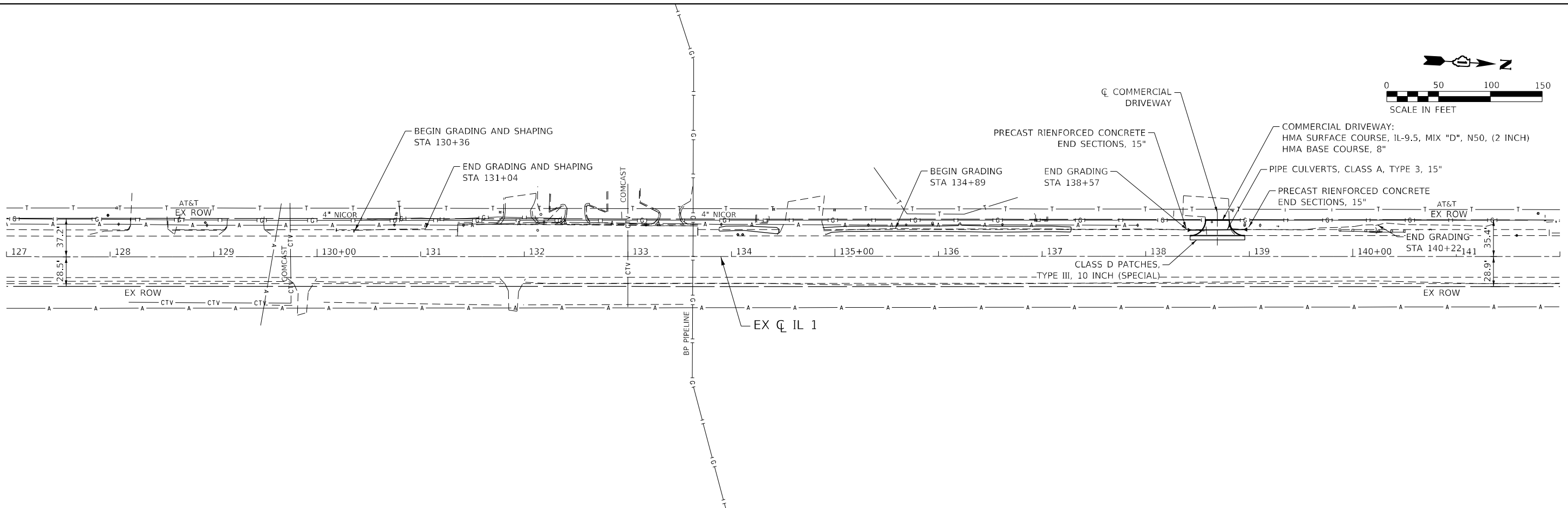


|                           |   |   |  |   |  |  |                                 |                           |
|---------------------------|---|---|--|---|--|--|---------------------------------|---------------------------|
| <br>QUIGG ENGINEERING INC | USER NAME = wmoahammed<br>PLOT SCALE = 100,0000' / in.<br>PLOT DATE = 5/11/2022 | DESIGNED - AWM / JA<br>DRAWN - AIM / RG<br>CHECKED - DRB<br>DATE - 05/11/2022 | REVISED -<br>REVISED -<br>REVISED -<br>REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN AND PROFILE</b><br><b>LOCATION 3</b><br><b>IL 1, N. OF IL 394 TO BURVILLE RD</b> | F.A.P. RTE. 876<br>SECTION 2020-257-T<br>COUNTY WILL<br>CONTRACT NO. 62N27 | TOTAL SHEETS 83<br>SHEET NO. 30 | ILLINOIS FED. AID PROJECT |
|                           | SCALE: 1" = 50'<br>SHEET 5 OF 10 SHEETS<br>STA. 110+00.00 TO STA. 125+00.00     |   |  |   |  |  |                                 |                           |

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

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

MODEL: Default  
 FILE NAME: S:\2020\191101028-PTB101-005\WD 17-62127-Drainage-Improvements\CADD\CADD-Sheets\17-62127-Drainage-Improvements\Profile-1-4-IL\_1.dgn



USER NAME = wmoahammed  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 5/26/2022

DESIGNED - AWM / JA  
 DRAWN - AIM / RG  
 CHECKED - DRB  
 DATE - 05/11/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

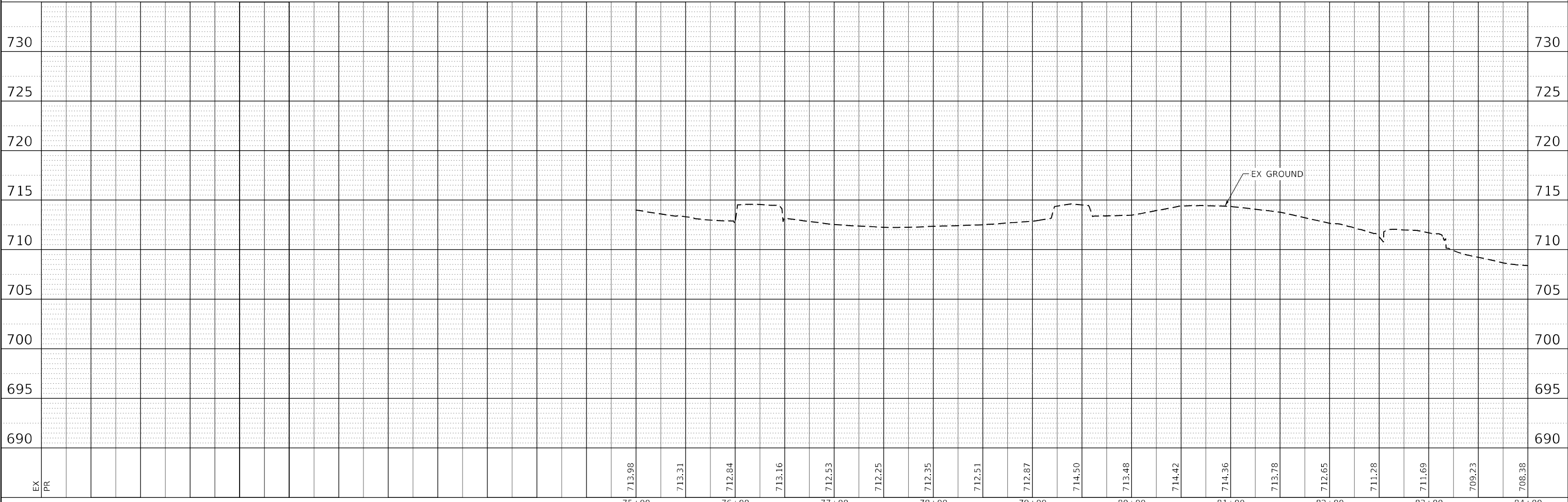
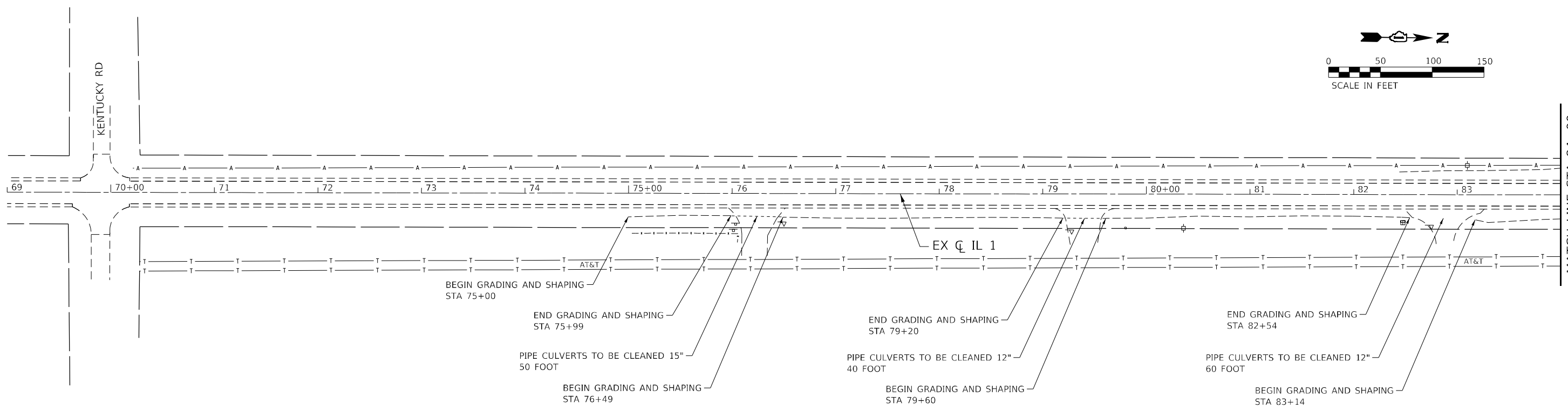
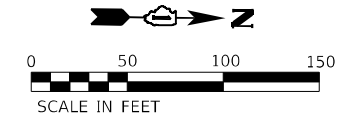
**PLAN AND PROFILE  
 LOCATION 4  
 IL 1, N. OF IL 394 TO BURVILLE RD**  
 SCALE: 1" = 50'  
 SHEET 6 OF 10 SHEETS  
 STA. 127+00.00 TO STA. 142+00.00

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 876                       | 2020-257-T | WILL   | 83           | 31        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

|      |                   |    |      |
|------|-------------------|----|------|
| PLAN | SURVEYED          | BY | DATE |
|      | PLOTTED           |    |      |
|      | ALIGNMENT CHECKED |    |      |
|      | NOTE BOOK NO.     |    |      |
|      | CADD FILE NAME    |    |      |

|         |                             |    |      |
|---------|-----------------------------|----|------|
| PROFILE | SURVEYED                    | BY | DATE |
|         | PLOTTED                     |    |      |
|         | GRADES CHECKED              |    |      |
|         | STRUCTURE NOTATIONS CHECKED |    |      |
|         | NOTE BOOK NO.               |    |      |
|         | CADD FILE NAME              |    |      |

MODEL: D:\draft\ FILE NAME: S:\2020\191190\028-PTB\191\_005\WD 17-67427 Drainage Improvements\CADD\CADD Sheets\191190\028-PTB\Profile\_Loc\_5-5\_IL\_394.dgn



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoammed         | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/11/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/10/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
LOCATION 5  
IL 1, N. OF KENTUCKY RD.**

|                           |                    |             |                 |              |
|---------------------------|--------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 332           | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 82 | SHEET NO. 32 |
| CONTRACT NO. 62N27        |                    |             |                 |              |
| ILLINOIS FED. AID PROJECT |                    |             |                 |              |

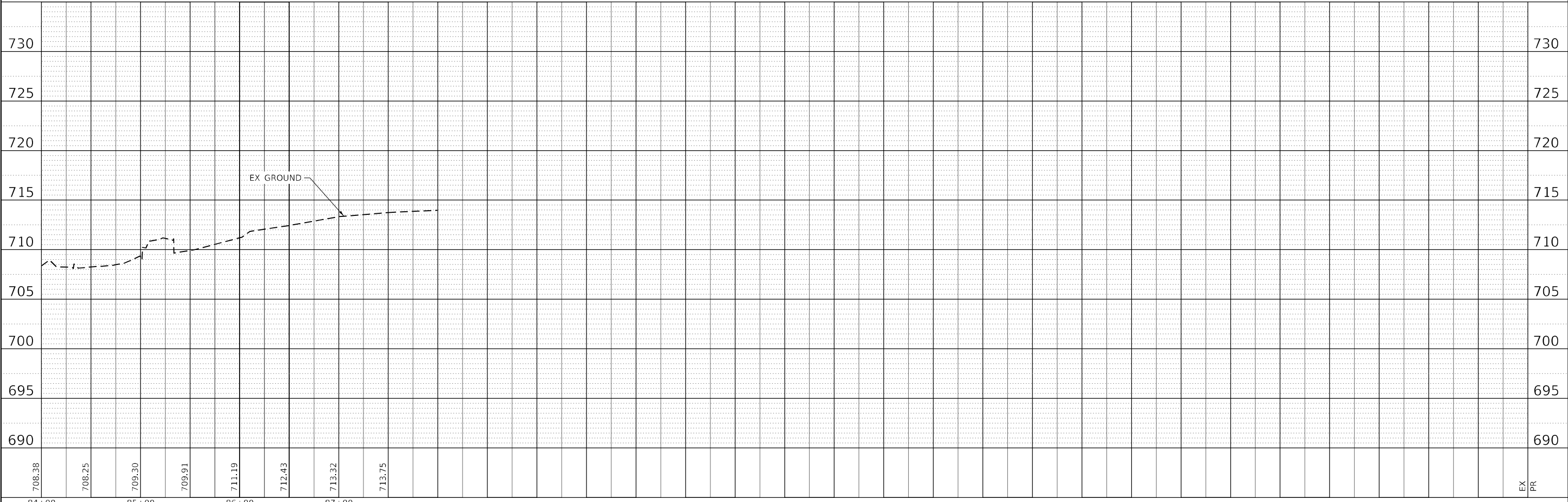
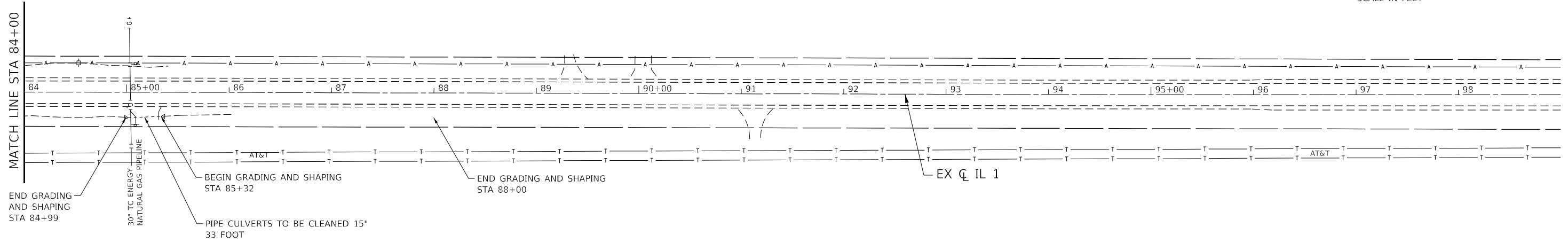
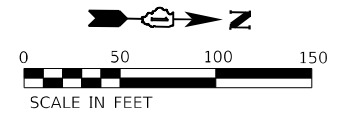
SCALE: SHEET 7 OF 10 SHEETS STA. 69+00.00 TO STA. 84+00.00



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

|         |                           |    |      |
|---------|---------------------------|----|------|
| PROFILE | SURVEYED                  | BY | DATE |
|         | PLOTTED                   |    |      |
|         | GRADES CHECKED            |    |      |
|         | STRUCTURE NOTATIONS CIPWD |    |      |
|         | NO.                       |    |      |

MODEL: Default  
 FILE NAME: S:\2020\191191\028-PTB1\01\_005\WD 17-67427 Drainage Improvements\CADD\CADD Sheets\17-67427-Sub\Plan\Profile Loc 5-IL 394.dgn



|              |                 |
|--------------|-----------------|
| USER NAME =  | wmohammed       |
| PLOT SCALE = | 100,0000' / in. |
| PLOT DATE =  | 5/11/2022       |

|            |            |           |  |
|------------|------------|-----------|--|
| DESIGNED - | AWM / JA   | REVISED - |  |
| DRAWN -    | AIM / RG   | REVISED - |  |
| CHECKED -  | DRB        | REVISED - |  |
| DATE -     | 05/10/2022 | REVISED - |  |

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

|                                 |   |
|---------------------------------|---|
| <b>PLAN AND PROFILE</b>         |   |
| <b>LOCATION 5</b>               |   |
| <b>IL 1, N. OF KENTUCKY RD.</b> |   |
| SCALE:                          | SHEET 8 OF 10 SHEETS STA. 84+00.00 TO STA. 99+00.00 |

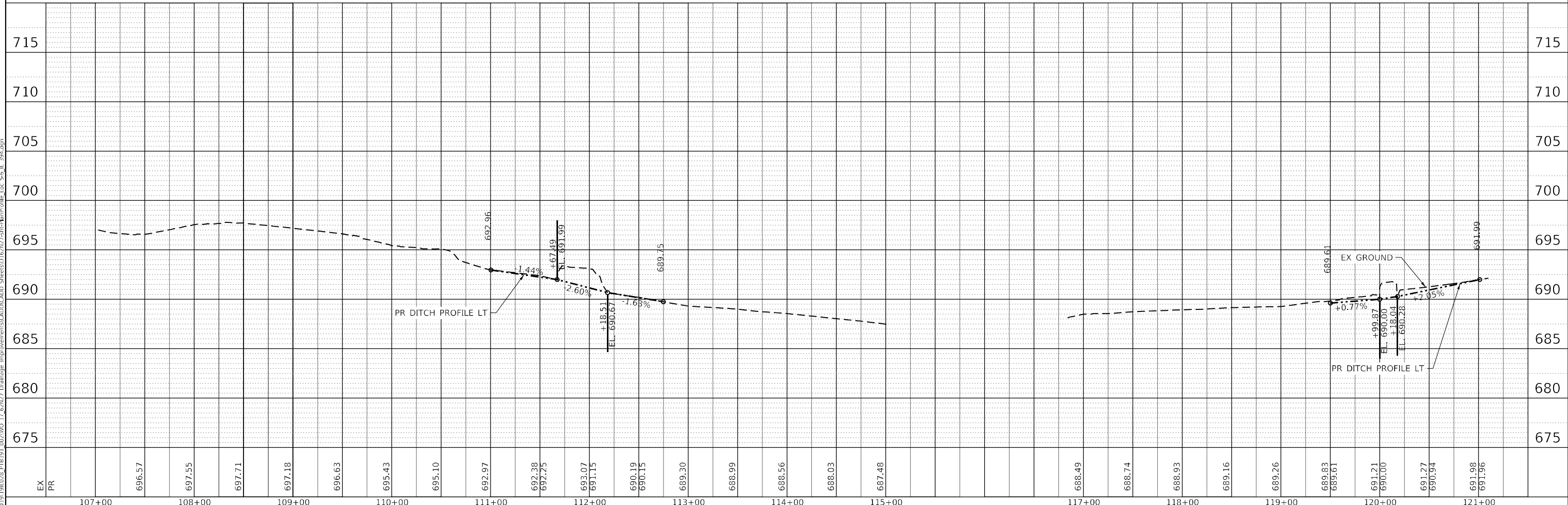
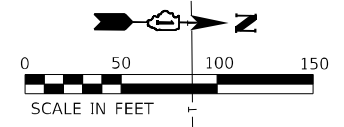
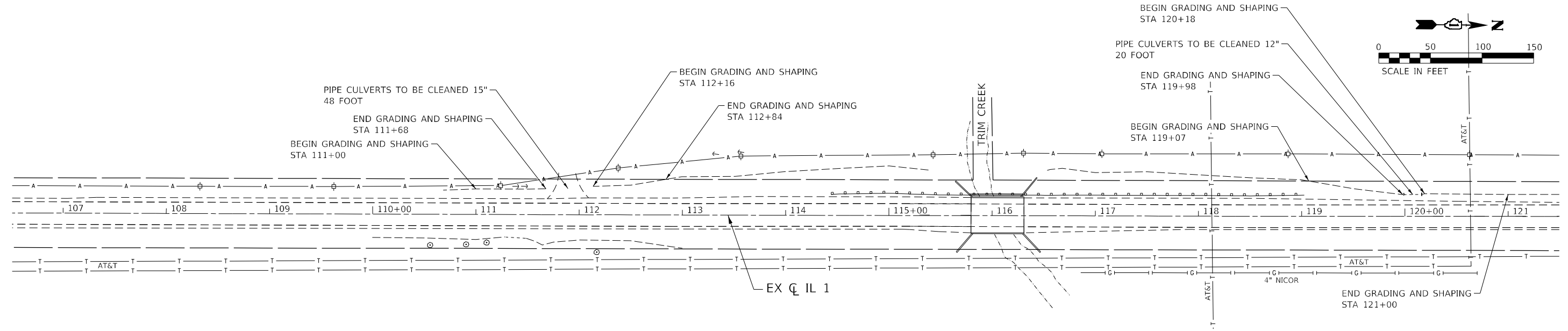
|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 332                       | 2020-257-T | WILL   | 82           | 33        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

EX PR

|      |                             |      |
|------|-----------------------------|------|
| PLAN | SURVEYED                    | DATE |
|      | PLOTTED                     |      |
|      | ALIGNMENT CHECKED           |      |
|      | GRADE CHECKED               |      |
|      | STRUCTURE NOTATIONS CHECKED |      |
|      | CADD FILE NAME              |      |
|      | NO.                         |      |
|      | BY                          |      |
|      | DATE                        |      |

|         |                             |      |
|---------|-----------------------------|------|
| PROFILE | SURVEYED                    | DATE |
|         | PLOTTED                     |      |
|         | GRADES CHECKED              |      |
|         | STRUCTURE NOTATIONS CHECKED |      |
|         | CADD FILE NAME              |      |
|         | NO.                         |      |
|         | BY                          |      |
|         | DATE                        |      |

MODEL: Default  
 FILE NAME: S:\2020\191101\028-PTB101-005\WD 17-67827 Drainage Improvements\CADD\CADD Sheets\17-67827-Sub\MainProfile-101-5-5-IL-394.dgn



|    |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |  |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| EX | PR | 696.57 | 697.55 | 697.71 | 697.18 | 696.63 | 695.43 | 695.10 | 692.97 | 692.38 | 692.25 | 693.07 | 691.15 | 690.19 | 690.15 | 689.30 | 688.99 | 688.56 | 688.03 | 687.48 | 688.49 | 688.74 | 688.93 | 689.16 | 689.26 | 689.83 | 689.61 | 691.21 | 690.00 | 691.27 | 690.94 | 691.98 | 691.96 |  |  |
|    |    | 107+00 | 108+00 | 109+00 | 110+00 | 111+00 | 112+00 | 113+00 | 114+00 | 115+00 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |  |



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmmohammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/11/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/10/2022   | REVISED - |

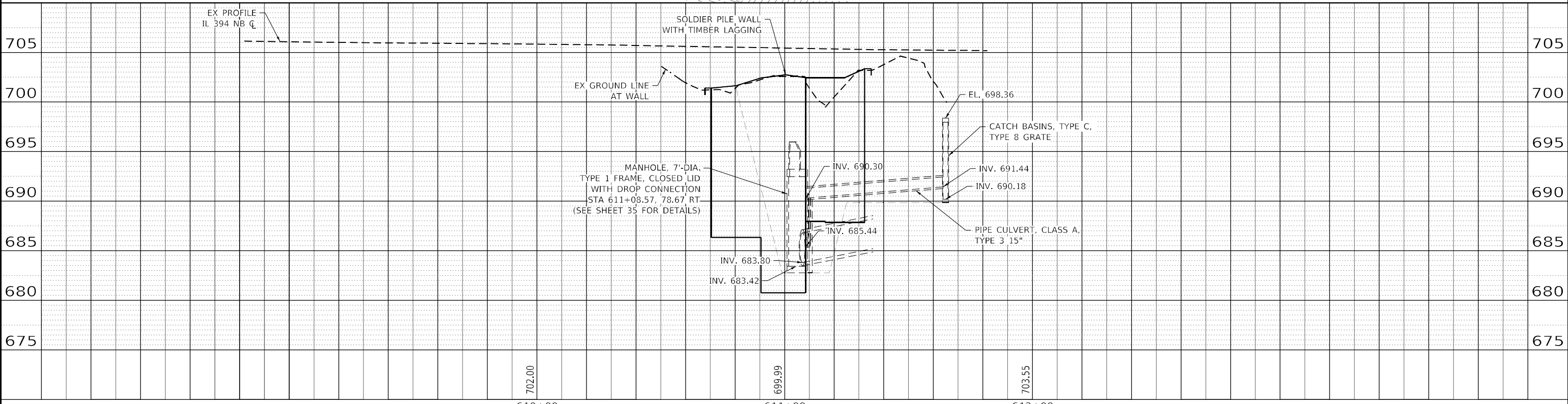
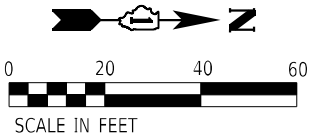
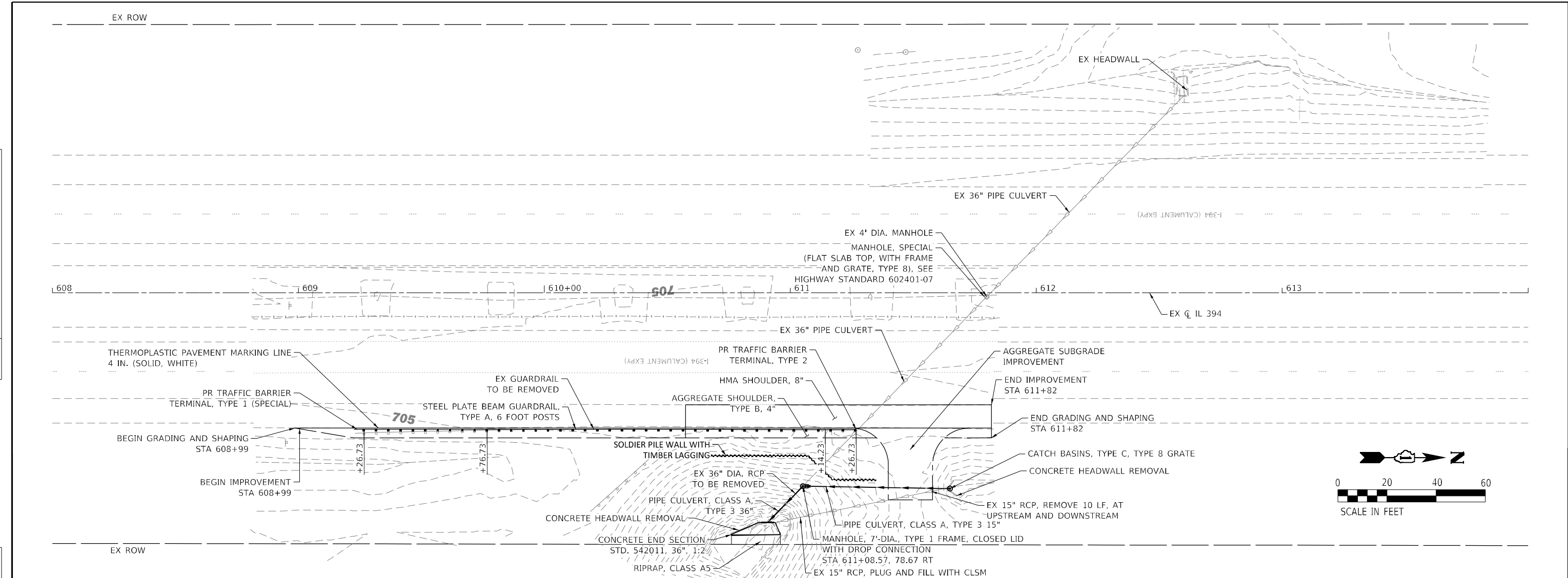
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|                                |   |
|--------------------------------|---|
| <b>PLAN AND PROFILE</b>        |   |
| <b>LOCATION 6</b>              |   |
| <b>IL 1, S. OF CORNING RD.</b> |   |
| SCALE:                         | SHEET 9 OF 10 SHEETS STA. 107+00.00 TO STA. 121+00.00 |

|                           |                    |             |                 |              |
|---------------------------|--------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 332           | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 82 | SHEET NO. 34 |
| CONTRACT NO. 62N27        |                    |             |                 |              |
| ILLINOIS FED. AID PROJECT |                    |             |                 |              |

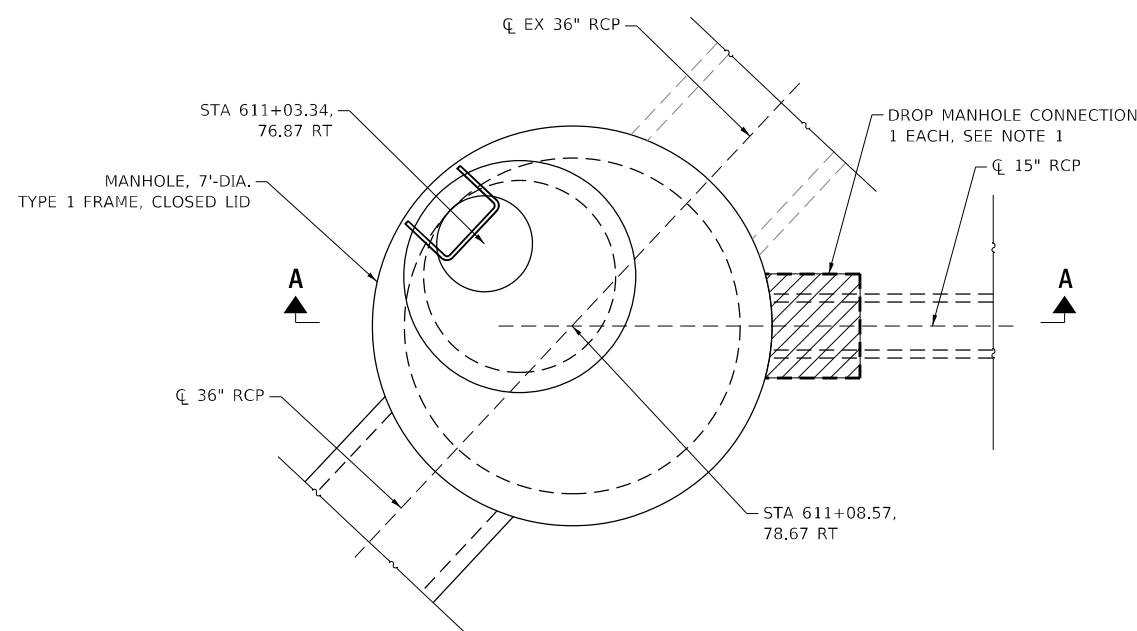
|      |                   |      |
|------|-------------------|------|
| PLAN | SURVEYED          | DATE |
|      | PLOTTED           | BY   |
|      | ALIGNMENT CHECKED |      |
|      | NOTE BOOK         |      |
|      | CADD FILE NAME    |      |
|      | NO.               |      |

|         |                             |      |
|---------|-----------------------------|------|
| PROFILE | SURVEYED                    | DATE |
|         | PLOTTED                     | BY   |
|         | GRADES CHECKED              |      |
|         | STRUCTURE NOTATIONS CHECKED |      |
|         | NO.                         |      |



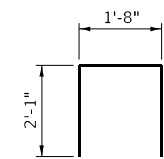
|                                  |  |  |   |  |  |   |   |
|----------------------------------|--|--|---|--|--|---|---|
| <br><b>QUIGG ENGINEERING INC</b> | USER NAME = rgoertz<br>DESIGNED - AWM / JA<br>DRAWN - AIM / RG<br>CHECKED - DRB<br>DATE - 05/10/2022 | REVISED -<br>REVISED -<br>REVISED -<br>REVISED -                             | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN AND PROFILE</b><br><b>LOCATION 7</b><br><b>IL 394, 1050 FT. SOUTH OF EXCHANGE ST</b> |  | F.A.P. RTE. 332<br>SECTION 2020-257-T<br>COUNTY WILL<br>TOTAL SHEETS 82<br>SHEET NO. 35 | CONTRACT NO. 62N27<br>ILLINOIS FED. AID PROJECT |
|                                  | PLOT SCALE = 40,0000 * / in.<br>PLOT DATE = 6/20/2022  | SCALE: 1" = 20'<br>SHEET 10 OF 10 SHEETS<br>STA. 608+00.00 TO STA. 614+00.00 |   | SHEET NO. 10 OF 10 SHEETS<br>STA. 608+00.00 TO STA. 614+00.00                                |  |   |   |

MODEL: Default  
 FILE NAME: S:\2020\191181\028-PTB1\01\_005\WD 17-62127-Drainage-Improvements\CADD\CADD\_Sheets\162127-11ch\ManProfile\_Loc\_7\_IL\_394.dgn

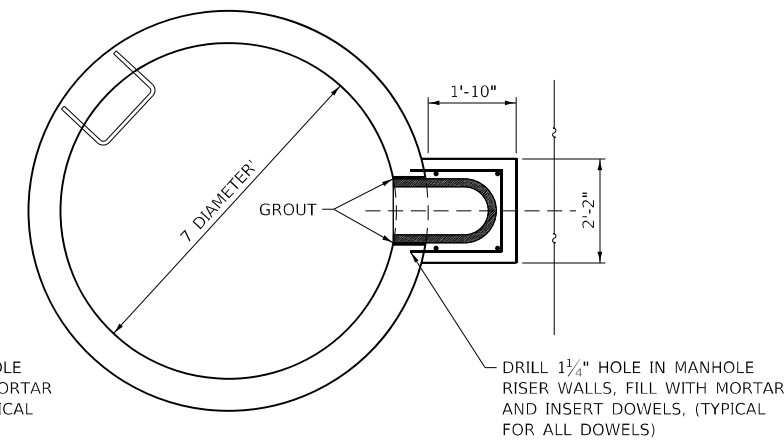
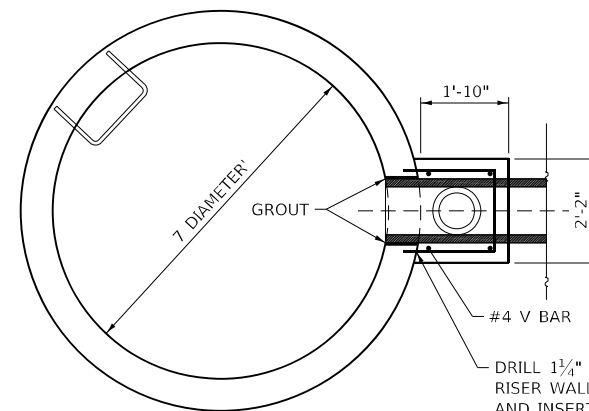
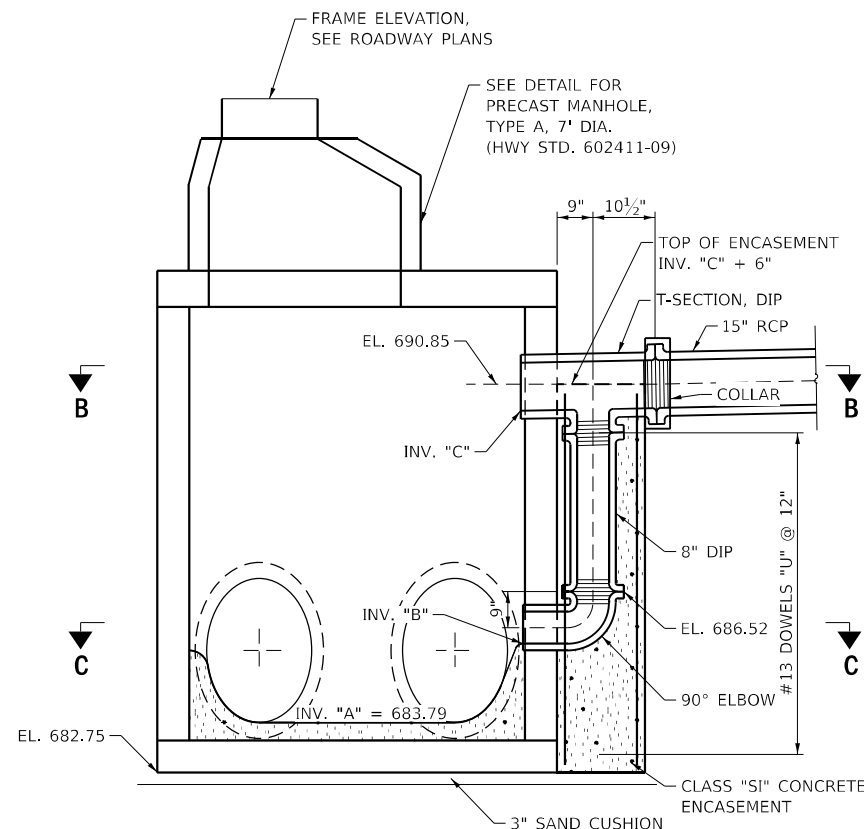


**ENCASEMENT DETAILS**

|                                 |                       |
|---------------------------------|-----------------------|
| DROP M.H. LOCATION STA., OFFSET | 611+05.13<br>78.61 RT |
| INV. "A"                        | 683.79                |
| INLET PIPE                      |                       |
| INV. "B"                        | 685.43                |
| INV. "C"                        | 690.23                |
| "V" BAR LENGTH                  | 7'-7"                 |
| NO. OF "U" BARS                 | 9                     |
| REINF. BARS EPOXY COATED (LB)   | 20                    |
| CLASS "SI" CONC. (CU. YD.)      | 1.1                   |



**U BARS**



**NOTE:**  
1. THE WORK FOR DROP MANHOLE CONNECTION SHALL INCLUDE FURNISHING AND INSTALLATION OF THE 8 INCH DUCTILE IRON PIPE, T-SECTION, 90° ELBOW SECTION, AND REINFORCEMENT AND CONCRETE FOR THE ENCASEMENT.

MODEL: Default  
 FILE NAME: C:\Users\jgibson\OneDrive\Documents\Projects\2019\11\02\27\Drainage Improvements\CADD\CADD\_Sheets\162127-2ht-Civil\_Details\_Loc\_7\_IL\_394.dgn  
 PROJECT: 2019\11\02\27\Drainage Improvements\CADD\CADD\_Sheets\162127-2ht-Civil\_Details\_Loc\_7\_IL\_394.dgn



|                           |                     |           |
|---------------------------|---------------------|-----------|
| USER NAME = wmoahammed    | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 4,000' / in. | DRAWN - AIM / RG    | REVISED - |
| PLOT DATE = 5/11/2022     | CHECKED - DRB       | REVISED - |
|                           | DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DROP MANHOLE DETAILS  
LOCATION 7  
IL 1 & IL 394 DRAINAGE IMPROVEMENTS & CULVERT REHABILITATION**

|                     |                    |             |                           |              |
|---------------------|--------------------|-------------|---------------------------|--------------|
| F.A.P. RTE. 876/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83           | SHEET NO. 36 |
| CONTRACT NO. 62N27  |                    |             | ILLINOIS FED. AID PROJECT |              |

**EROSION AND SEDIMENT CONTROL NOTES**

1. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT:  
(<http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>).
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
4. THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
8. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.
9. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) 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 IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS, WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM /WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.
10. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

MODEL Path: \\g:\projects\2019\191026\_PTB\19\_002\190\_17\_62N27\_Drainage Improvements\CADD\CADD\_Sheets\162N27-sh-ESC\_General\_Notes.dgn  
 FILE NAME: \\g:\projects\2019\191026\_PTB\19\_002\190\_17\_62N27\_Drainage Improvements\CADD\CADD\_Sheets\162N27-sh-ESC\_General\_Notes.dgn



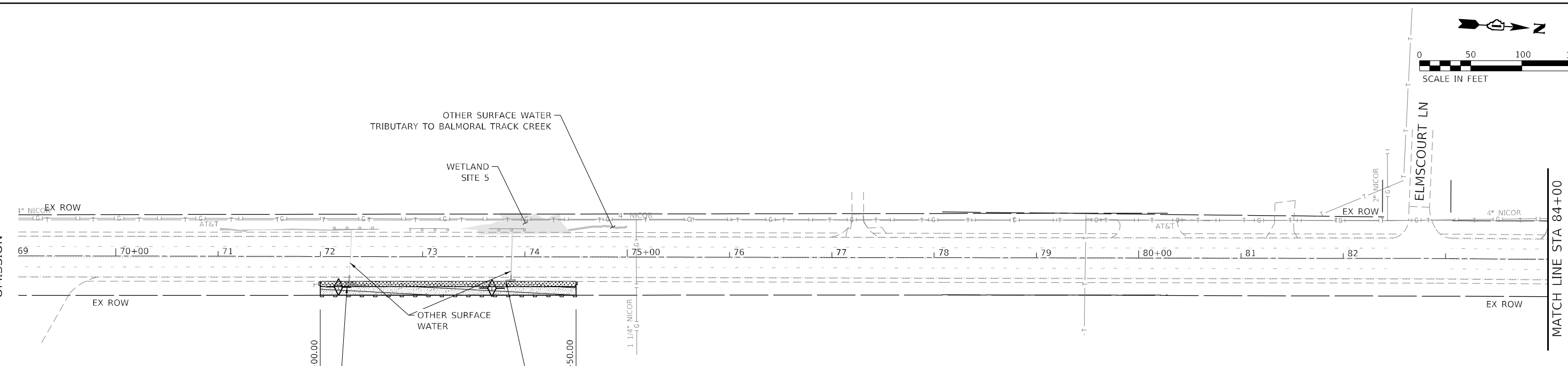
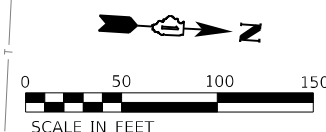
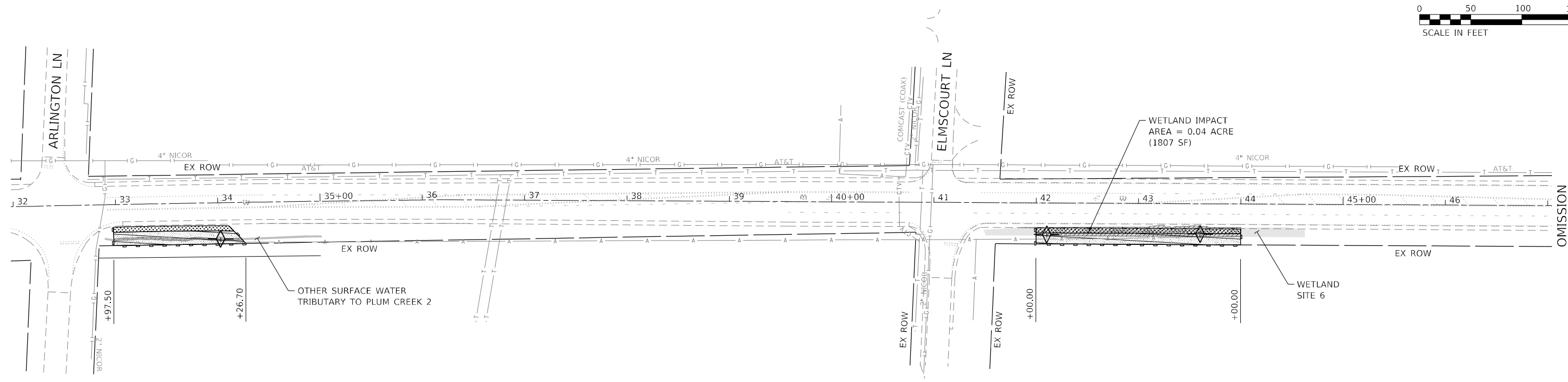
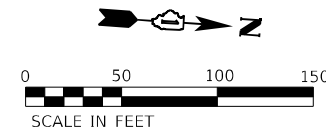
|                             |
|-----------------------------|
| USER NAME = wmoahammed      |
| PLOT SCALE = 2,0000 ' / in. |
| PLOT DATE = 5/11/2022       |

|                     |           |
|---------------------|-----------|
| DESIGNED - AWM / JA | REVISED - |
| DRAWN - AJM / RG    | REVISED - |
| CHECKED - DRB       | REVISED - |
| DATE - 05/11/2022   | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

| EROSION AND SEDIMENT CONTROL<br>GENERAL NOTES                               |       |    |        |
|---|-------|----|--------|
| <b>IL 1 &amp; IL 394 DRAINAGE IMPROVEMENTS &amp; CULVERT REHABILITATION</b> |       |    |        |
| SCALE:  | SHEET | OF | SHEETS |
|   | STA.  | TO | STA.   |

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 876/334                   | 2020-257-T | WILL   | 83           | 37        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



COFFERDAM (TYPE 1) (IN-STREAM/  
WETLAND WORK), 1 EACH  
INLET AND PIPE PROTECTION, 1 EACH

**ESC LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- OTHER SURFACE WATERS (OSW)
- WETLAND (NOT IMPACTED)
- WETLAND / OSW (IMPACTED)

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A  
WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4A (MODIFIED) AND 4B (MODIFIED)  
WITH HEAVY DUTY EROSION CONTROL BLANKET

MODEL: Default  
 FILE NAME: C:\Bids\Projects\2019\1910026\_PTB\191\_0021\W0\_17\_62127\_Drainage\_Improvement\CADD\CADD\_Sheets\162127-27-ESC\_Loc\_1-4\_IL\_1.dgn



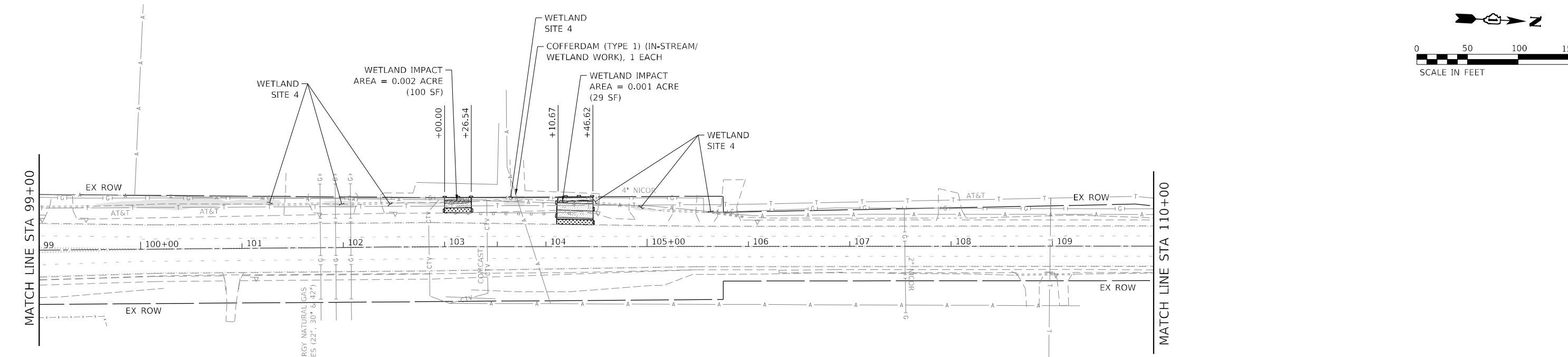
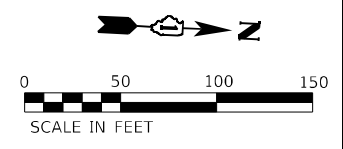
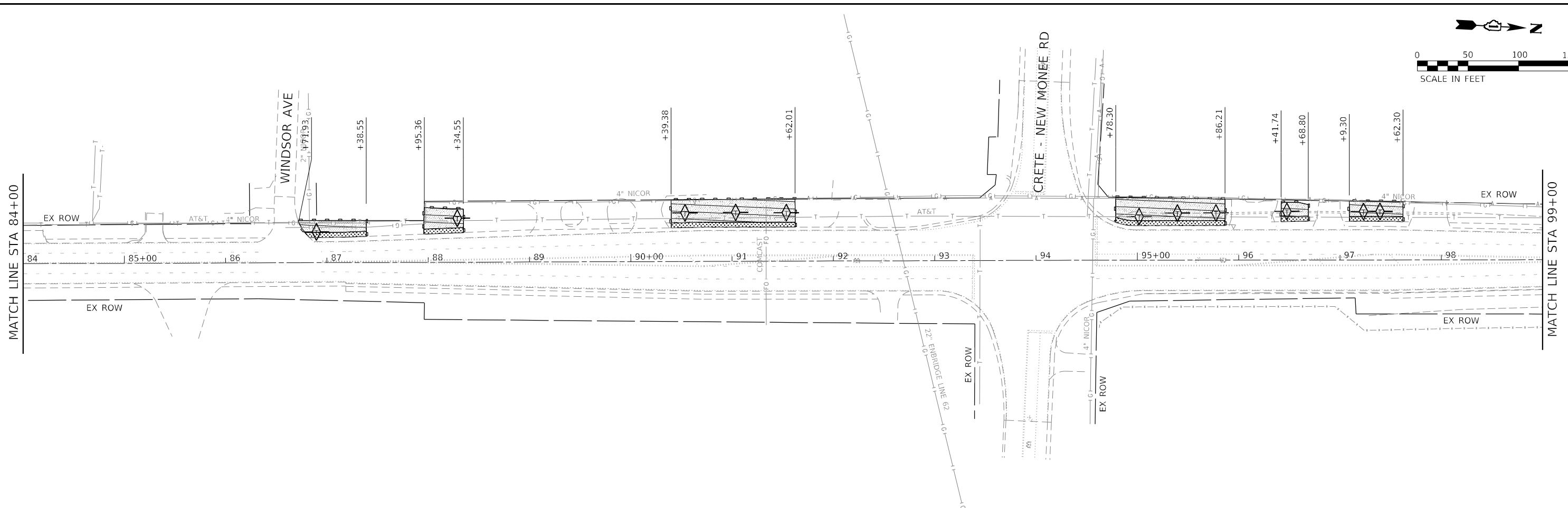
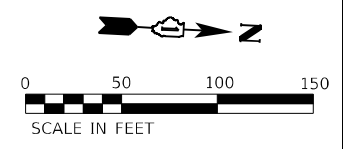
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahmed         | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AJM / RG             | REVISED -           |           |
| PLOT SCALE = 100,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/12/2022        | DATE - 05/10/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL  
LOCATION 1 - LOCATION 2  
IL 1, N. OF IL 394 TO BURVILLE RD**

SCALE: 1" = 50'    SHEET 1 OF 6 SHEETS    STA. 32+00.00 TO STA. 84+00.00

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 876                       | 2020-257-T | WILL   | 83           | 38        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



**ESC LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- OTHER SURFACE WATERS (OSW)
- WETLAND (NOT IMPACTED)
- WETLAND / OSW (IMPACTED)

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4A (MODIFIED) AND 4B (MODIFIED) WITH HEAVY DUTY EROSION CONTROL BLANKET

MODEL: Default  
 FILE NAME: C:\Users\jgarcia\Documents\Projects\62N27\Drawings\Improvements\CADD\CADD\_Sheets\17\_62N27\_Drainage\_Improvements\CADD\_Sheets\17\_62N27\_rht-ESC\_Loc\_1-4\_IL\_1.dgn



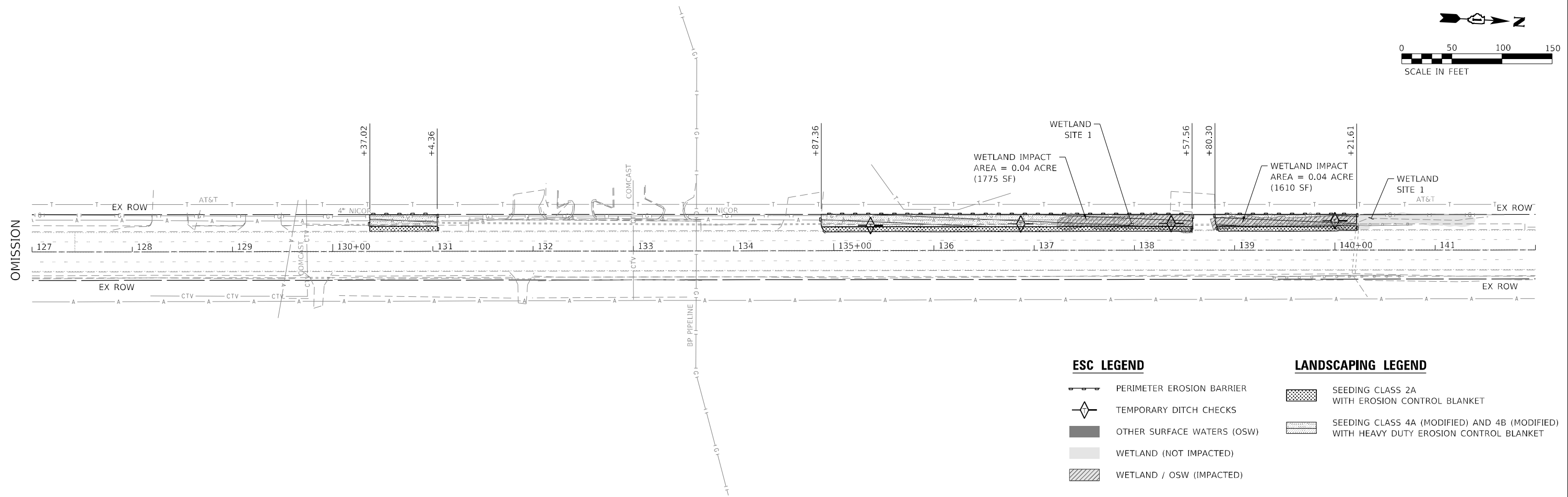
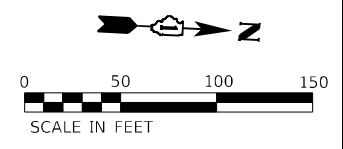
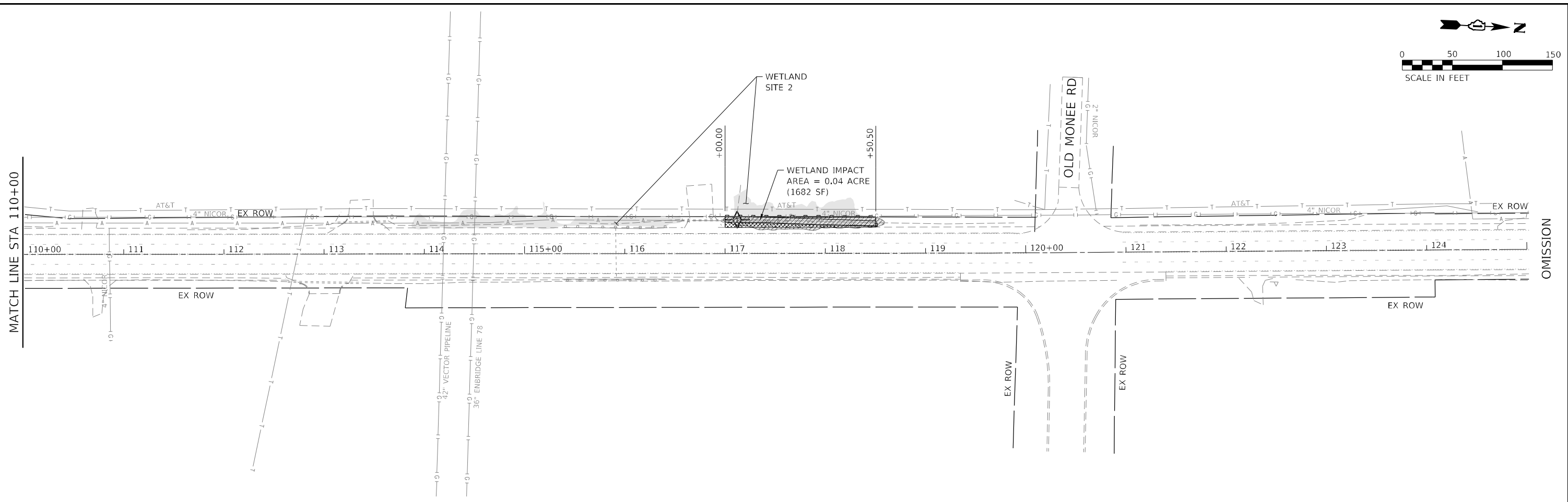
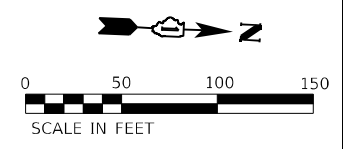
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AIM / RG             | REVISED -           |           |
| PLOT SCALE = 100,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/12/2022        | DATE - 05/10/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL  
LOCATION 3  
IL 1, N. OF IL 394 TO BURVILLE RD**

SCALE: 1" = 50' SHEET 2 OF 6 SHEETS STA. 84+00.00 TO STA. 110+00.00

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 876                       | 2020-257-T | WILL   | 83           | 39        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



**ESC LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- OTHER SURFACE WATERS (OSW)
- WETLAND (NOT IMPACTED)
- WETLAND / OSW (IMPACTED)

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4A (MODIFIED) AND 4B (MODIFIED) WITH HEAVY DUTY EROSION CONTROL BLANKET

MODEL: D:\p\h\...  
 FILE NAME: ...  
 PROJECT: ...  
 SHEET: ...



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AJM / RG             | REVISOR -           |           |
| PLOT SCALE = 100,0000' / in. | CHECKED - DRB       | REVISED - |
| PLOT DATE = 5/12/2022        | DATE - 05/10/2022   | REVISED - |

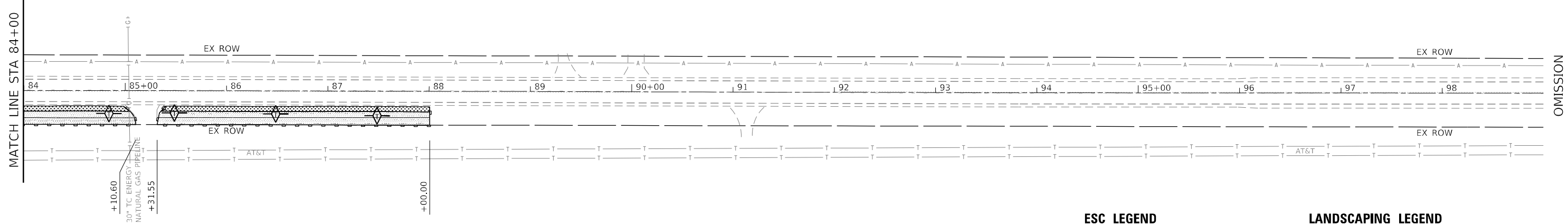
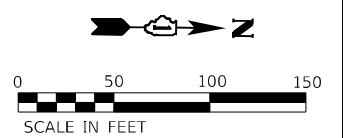
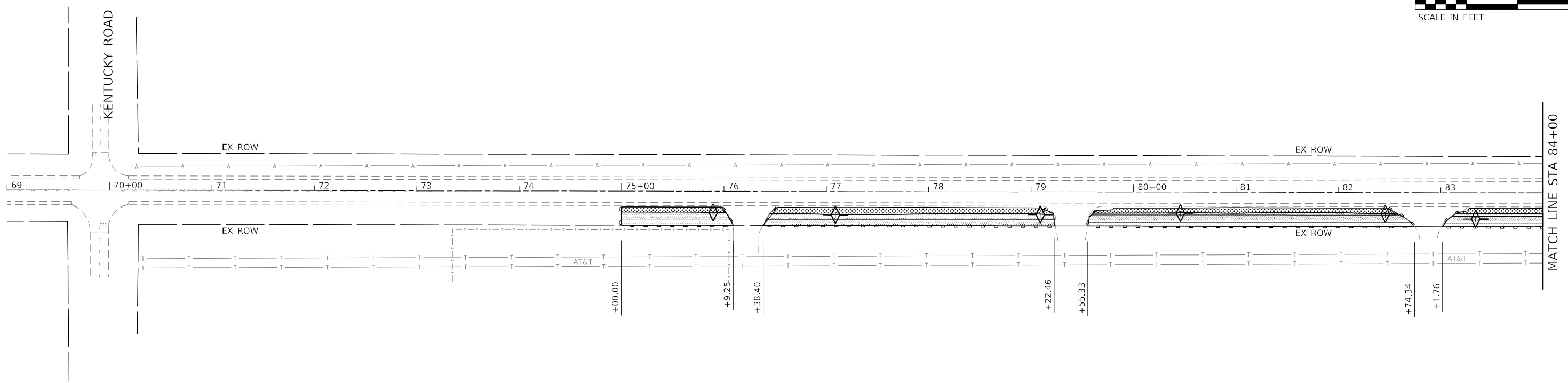
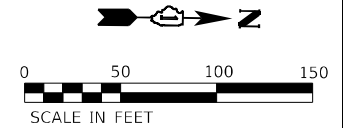
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL  
LOCATION 3 - LOCATION 4  
IL 1, N. OF IL 394 TO BURVILLE RD**

SCALE: 1" = 50'    SHEET 3 OF 6 SHEETS    STA. 110+00.00 TO STA. 142+00.00

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 876                       | 2020-257-T | WILL   | 83           | 40        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |





**ESC LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- OTHER SURFACE WATERS (OSW)
- WETLAND (NOT IMPACTED)
- WETLAND / OSW (IMPACTED)

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4A (MODIFIED) AND 4B (MODIFIED) WITH HEAVY DUTY EROSION CONTROL BLANKET

MODEL: Default  
 FILE NAME: C:\Users\aim\OneDrive\Documents\62N27\Drawings\Improvements\CADD\CADD\_Sheets\17\_62N27\_Drainage\_Improvements\CADD\_Sheets\17\_62N27-ht-ESC\_Loc 5-6\_IL\_394.dgn



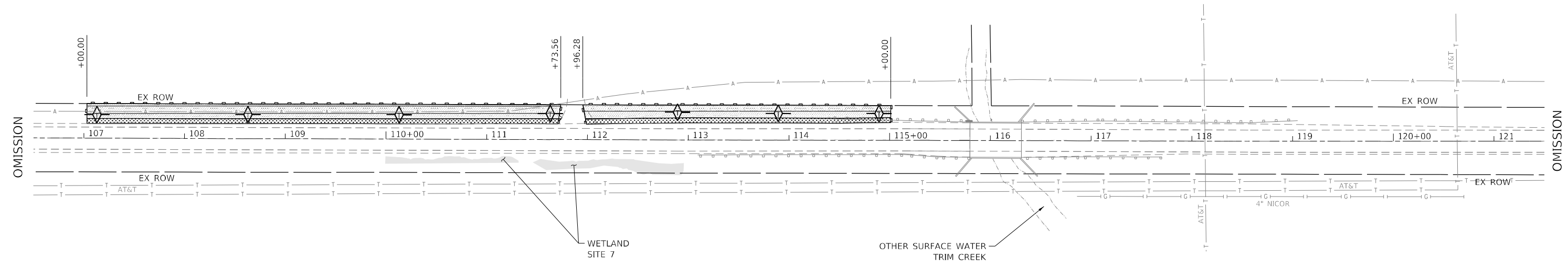
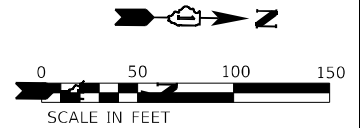
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AIM / RG             | CHECKED - DRB       | REVISED - |
| PLOT SCALE = 100,0000' / in. | DATE - 05/10/2022   | REVISED - |
| PLOT DATE = 5/12/2022        |                     |           |

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

**EROSION AND SEDIMENT CONTROL**  
**LOCATION 5**  
**IL 1, N. OF KENTUCKY RD.**

SCALE: 1" = 50'    SHEET 4 OF 6 SHEETS    STA. 69+00.00 TO STA. 99+00.00

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|------------|--------|--------------------|-----------|
| 332                       | 2020-257-T | WILL   | 83                 | 41        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 62N27 |           |



**ESC LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- OTHER SURFACE WATERS (OSW)
- WETLAND (NOT IMPACTED)
- WETLAND / OSW (IMPACTED)

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4A (MODIFIED) AND 4B (MODIFIED) WITH HEAVY DUTY EROSION CONTROL BLANKET

MODEL: D:\p\h\...  
 FILE NAME: ...  
 PROJECT: ...  
 SHEET: ...



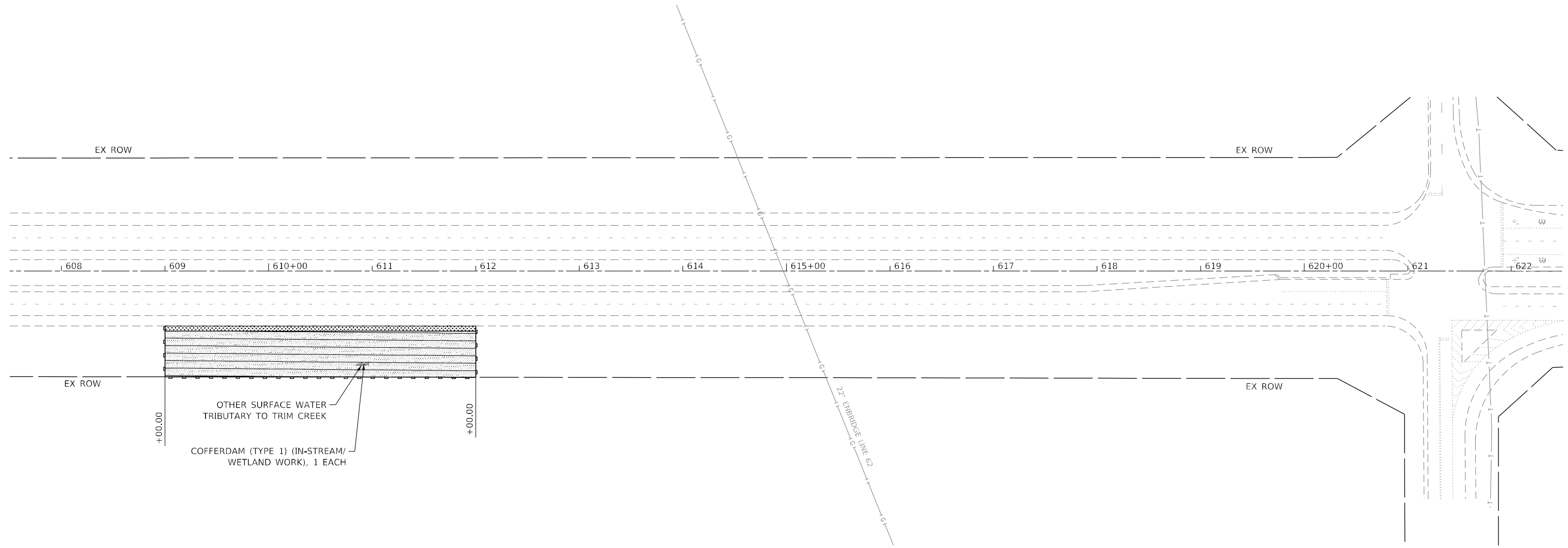
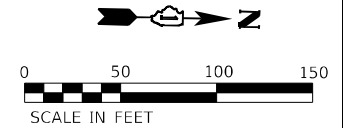
|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| DRAWN - AJM / RG             | CHECKED - DRB       | REVISED - |
| PLOT SCALE = 100,0000' / in. | DATE - 05/10/2022   | REVISED - |
| PLOT DATE = 5/12/2022        |                     |           |

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

**EROSION AND SEDIMENT CONTROL**  
**LOCATION 6**  
**IL 1, N. OF KENTUCKY RD.**

SCALE: 1" = 50'    SHEET 5 OF 6 SHEETS    STA. 106+50.00 TO STA. 121+50.00

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|------------|--------|--------------|-----------|
| 332                       | 2020-257-T | WILL   | 83           | 42        |
| CONTRACT NO. 62N27        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |



OTHER SURFACE WATER TRIBUTARY TO TRIM CREEK

COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK), 1 EACH

**ESC LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- OTHER SURFACE WATERS (OSW)
- WETLAND (NOT IMPACTED)
- WETLAND / OSW (IMPACTED)

**LANDSCAPING LEGEND**

- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4A (MODIFIED) AND 4B (MODIFIED) WITH HEAVY DUTY EROSION CONTROL BLANKET

MODEL: Default  
 FILE NAME: C:\Users\rgreg\Documents\Projects\62N27\Drainage Improvements\CADD\CADD\_Sheets\62N27-Sub-ESC\_Loc 7 IL 394.dgn



|                              |                     |           |
|------------------------------|---------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - AWM / JA | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AJM / RG    | REVISED - |
| PLOT DATE = 5/12/2022        | CHECKED - DRB       | REVISED - |
|                              | DATE - 05/10/2022   | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL  
LOCATION 7  
IL 394, WILL COUNTY TO IL 1**

SCALE: 1" = 50'    SHEET 6 OF 6 SHEETS    STA. 607+50.00 TO STA. 622+50.00

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|--------|--------------|-----------|
| 332                | 2020-257-T | WILL   | 83           | 43        |
| CONTRACT NO. 62N27 |            |        |              |           |

ILLINOIS FED. AID PROJECT

Benchmark: CP 2 Set Magnail East Side Rte. 1  
 Northing: 1729934.54  
 Easting: 1177348.68  
 Elevation NGVD 88: 748.37

Existing Structure: Construction year is not known.  
 It is a single barrel reinforced concrete box culvert,  
 with barrel dimensions 1.5' tall and 2' wide. The culvert  
 length is approximately 49'-7" out to out of headwalls.  
 Proposed work consists of removal and replacement 3' box  
 culvert and headwall and roadway improvements

Traffic will be staged

No Salvage

Precast alternate is not allowed

**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge  
 Design Specifications, 9th Edition

**LOADING HL-93**

**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

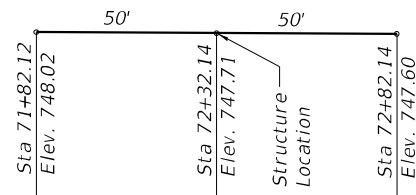
**HIGHWAY CLASSIFICATION**

F.A.P. YE 876 S.DIXIE HWY./IL 1  
 Functional Class: Other Principal Arterial  
 ADT: 5300 (2019)  
 DHV: 440 (2019)  
 Posted Speed: 45 mph

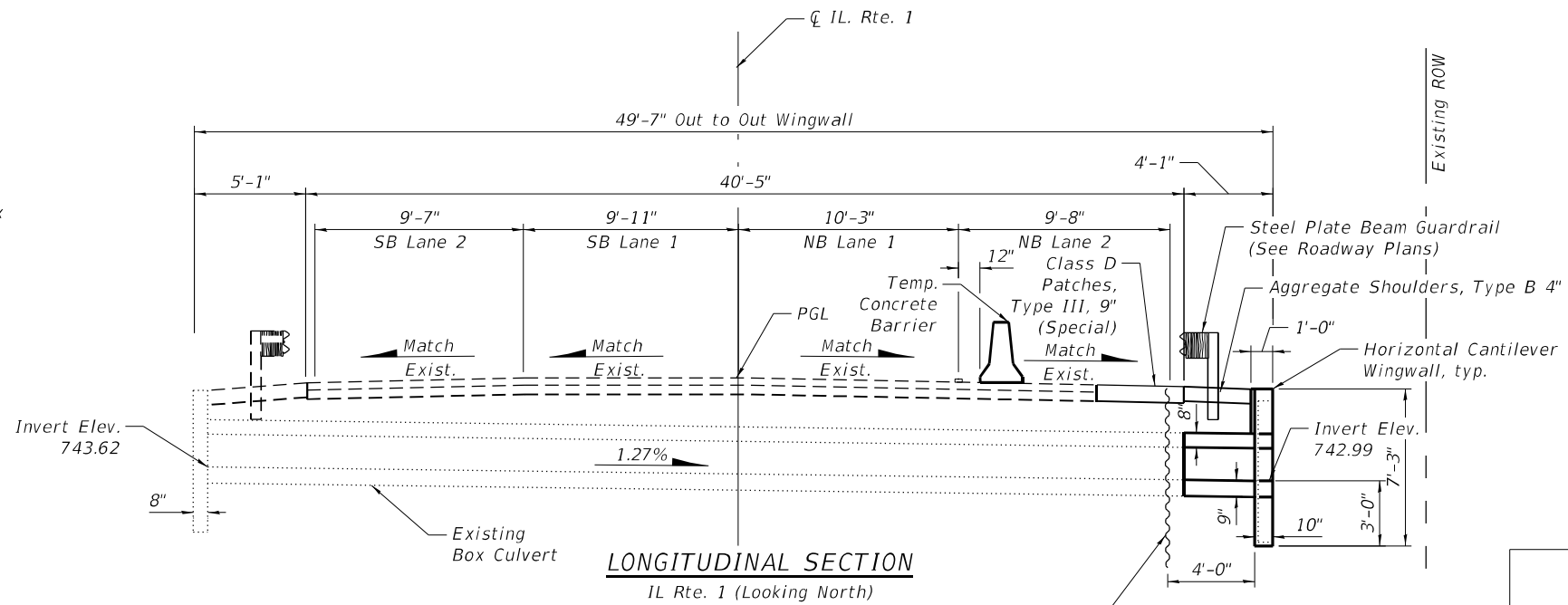


*Keith W. Bentling*

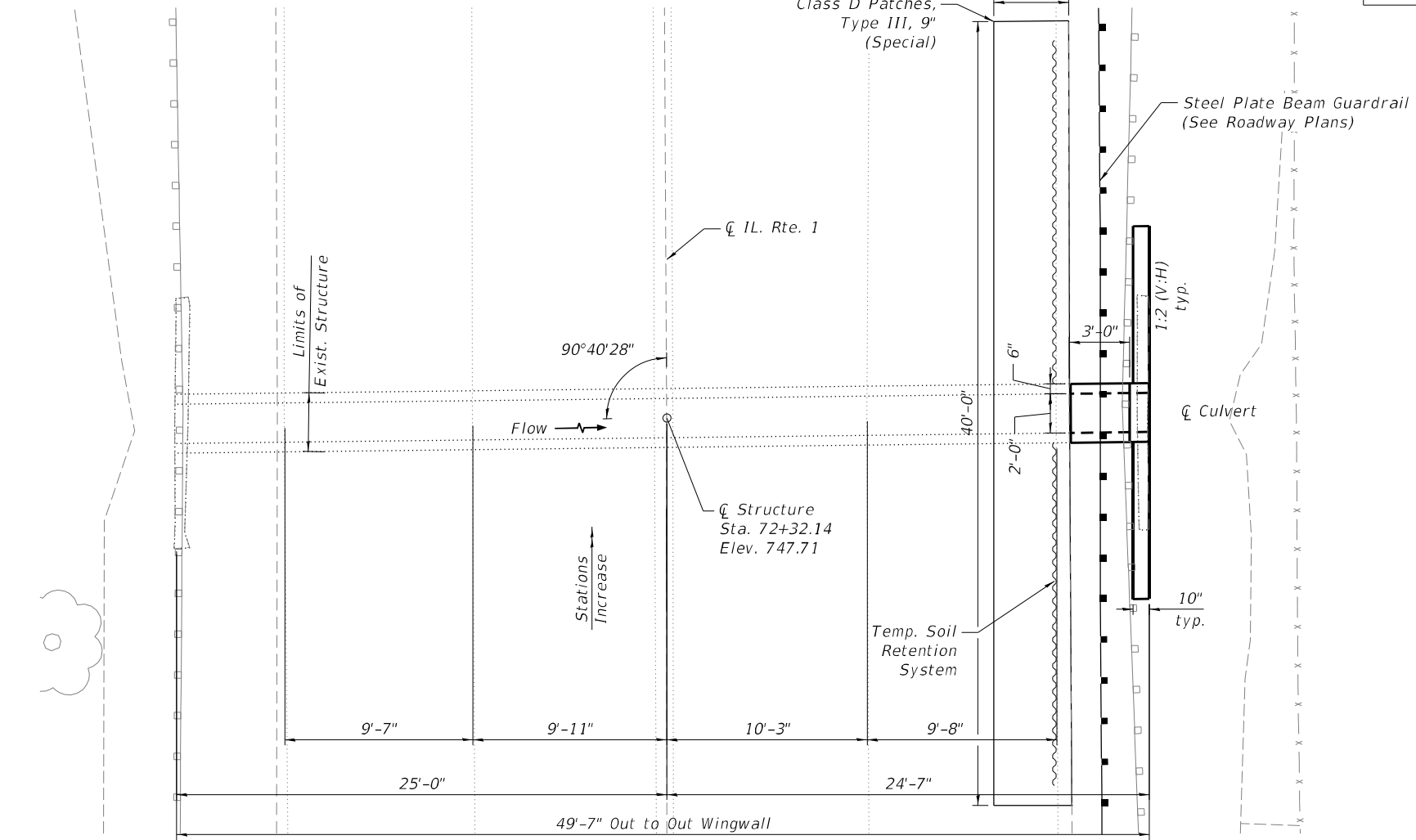
Keith W. Bentling, Illinois S.E. 081-004777 Date: 06/20/2022  
 Expires 11/30/2022



**PROFILE GRADE**  
 (Along  $\bar{C}$  IL Rte. 1)

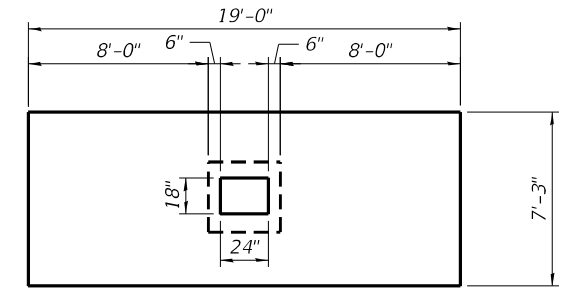


**LONGITUDINAL SECTION**  
 IL Rte. 1 (Looking North)



**PLAN**

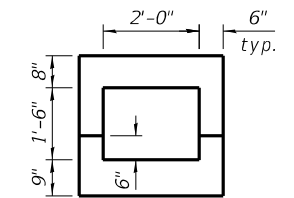
IL Route 1



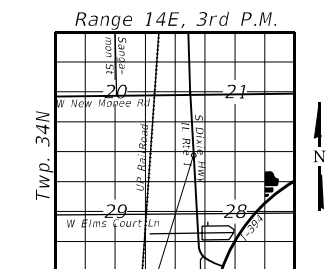
**WINGWALL ELEVATION**  
 Allowable Soil Bearing Pressure: 2,500 psf

**SOIL BORING LOCATIONS**

| Boring | Location   | Northing   | Easting    | Existing Ground Elevation (ft.) | Depth (ft.) |
|--------|------------|------------|------------|---------------------------------|-------------|
| B-1    | IL Route 1 | 1730249.69 | 1177293.91 | 748.2                           | 10          |



**SECTION THRU BARREL**



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
 IL. ROUTE 1 OVER DITCH  
 F.A.P. RTE. 876 SEC. 2020-124-RD  
 WILL COUNTY  
 STATION 72+32.14  
 (LOCATION 2)

MODEL: Default  
 FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-5ht-51-1-CPE\_IL\_1.dgn  
 6/27/2022 3:03:54 PM



|   |                |           |
|---|----------------|-----------|
| USER NAME = rgoertz   | DESIGNED - KWB | REVISED - |
| PLOT SCALE = 8:0.0000 "/> <td>CHECKED - AWM</td> <td>REVISED -</td> | CHECKED - AWM  | REVISED - |
| PLOT DATE = 6/27/2022   | DRAWN - AIM    | REVISED - |
|   | CHECKED - DRB  | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
 CULVERT REHABILITATION - IL 1 STA 72+32.14

SHEET S1-1 OF S1-3 SHEETS

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|------------|--------|--------------------|-----------|
| * 876 & 332               | 2020-257-T | WILL   | 83                 | 44        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 62N27 |           |

**GENERAL NOTES**

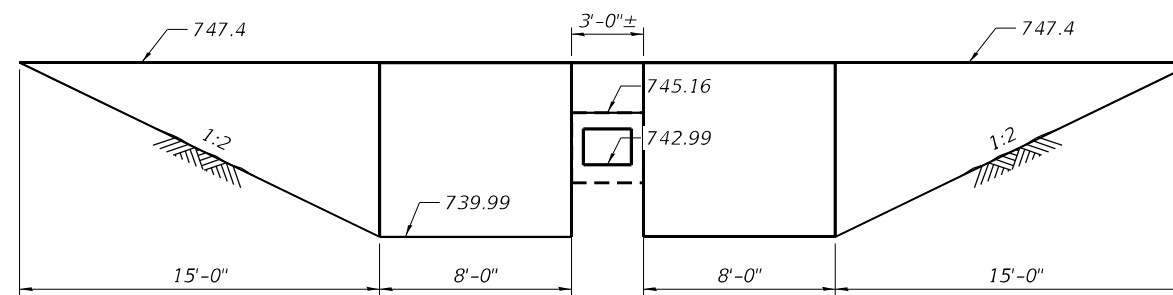
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
- Reinforcement bars designated (E) shall be epoxy coated.

**INDEX OF SHEETS**

- S1. General Plan & Elevation
- S2. General Notes, Index, Bill of Material
- S3. Wingwall Details
- S4. Soil Boring Logs

**TOTAL BILL OF MATERIAL**

| ITEM                             | UNIT  | TOTAL |
|----------------------------------|-------|-------|
| Concrete Box Culverts            | Cu Yd | 5.6   |
| Concrete Removal                 | Cu Yd | 4.6   |
| Structure Excavation             | Cu Yd | 38    |
| Reinforcement Bars, Epoxy coated | Pound | 540   |
| Temporary Soil Retention System  | Sq Ft | 237   |
| Granular Backfill for Structures | Cu Yd | 11.1  |
| Expansion Bolts 3/4 inch         | Each  | 4     |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |



TEMPORARY SOIL RETENTION

MODEL: Default  
 FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage\_Improvements\CADD\_Sheets\162N27-sh1-51-2\_General Notes, Index, Bill of Material.dgn  
 5/11/2022 9:03:44 PM



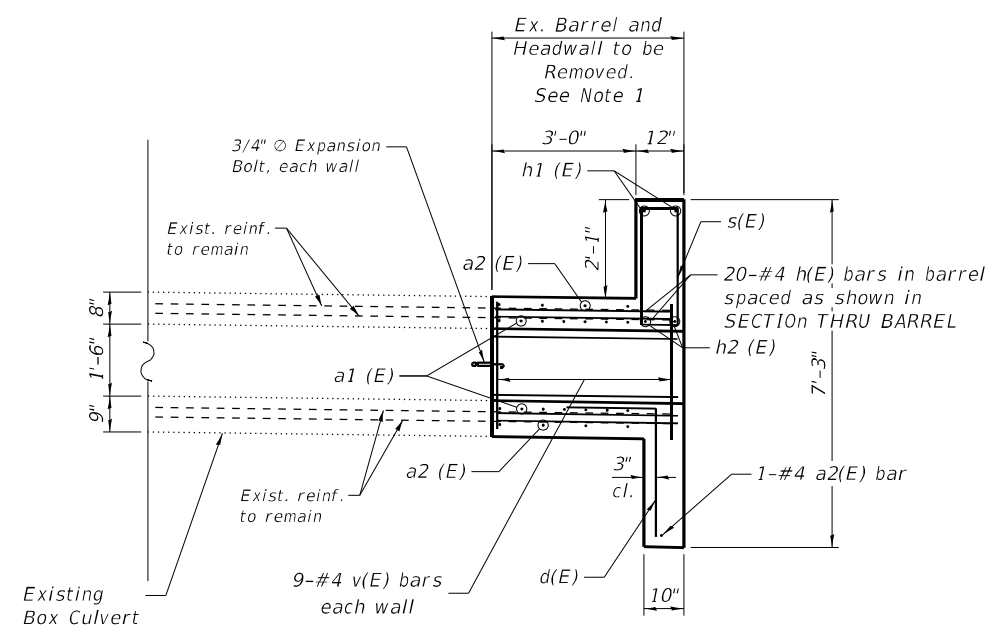
|              |                  |            |     |           |  |
|--------------|------------------|------------|-----|-----------|--|
| USER NAME =  | wmohammed        | DESIGNED - | KWB | REVISED - |  |
|              |                  | CHECKED -  | AWM | REVISED - |  |
| PLOT SCALE = | 8:0.0000 " / in. | DRAWN -    | AIM | REVISED - |  |
| PLOT DATE =  | 5/11/2022        | CHECKED -  | DRB | REVISED - |  |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

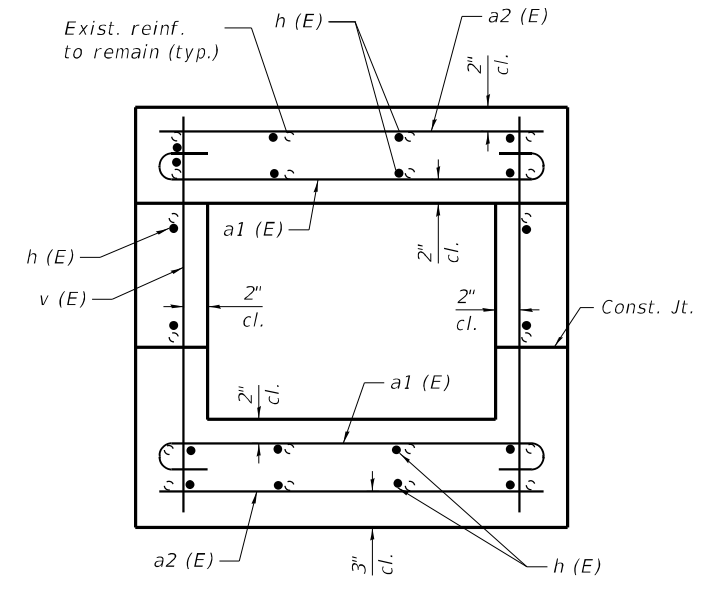
GENERAL NOTES, INDEX, BILL OF MATERIALS  
 CULVERT REHABILITATION - IL 1 STA 72+32.14

SHEET S1-2 OF S1-3 SHEETS

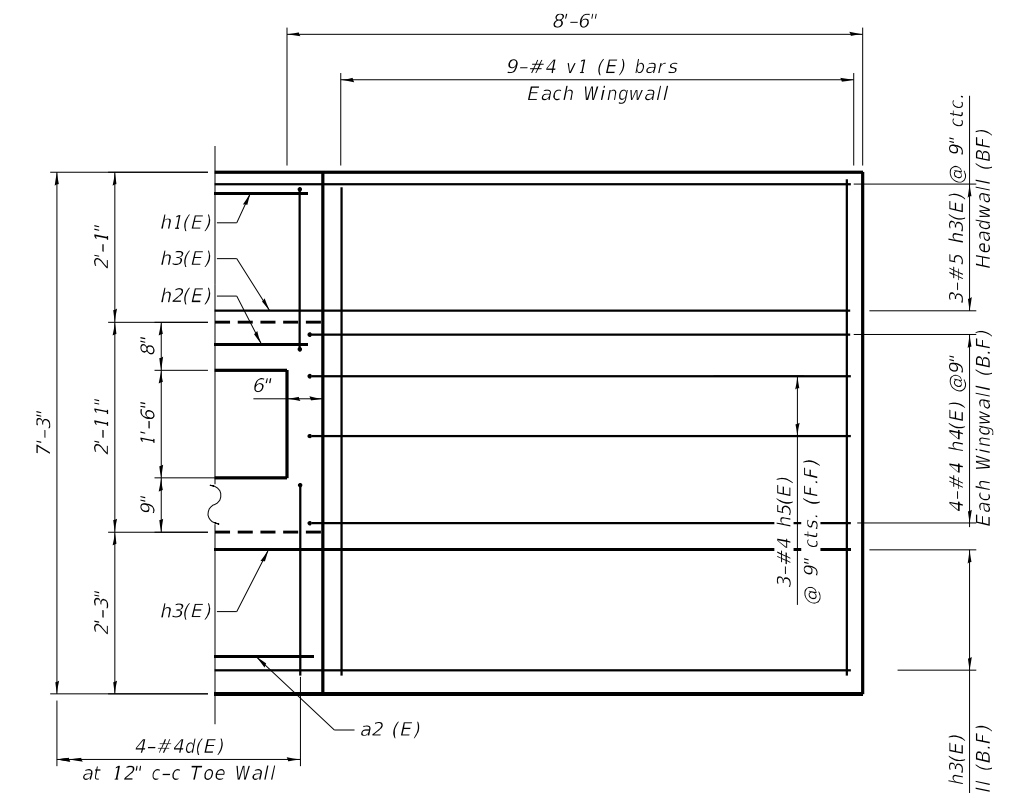
| F.A.P<br>RTE. | SECTION    | COUNTY           | TOTAL<br>SHEETS    | SHEET<br>NO. |
|---------------|------------|------------------|--------------------|--------------|
| *             | 2020-257-T | WILL             | 83                 | 45           |
| * 876 & 332   |            |                  | CONTRACT NO. 62N27 |              |
|               | ILLINOIS   | FED. AID PROJECT |                    |              |



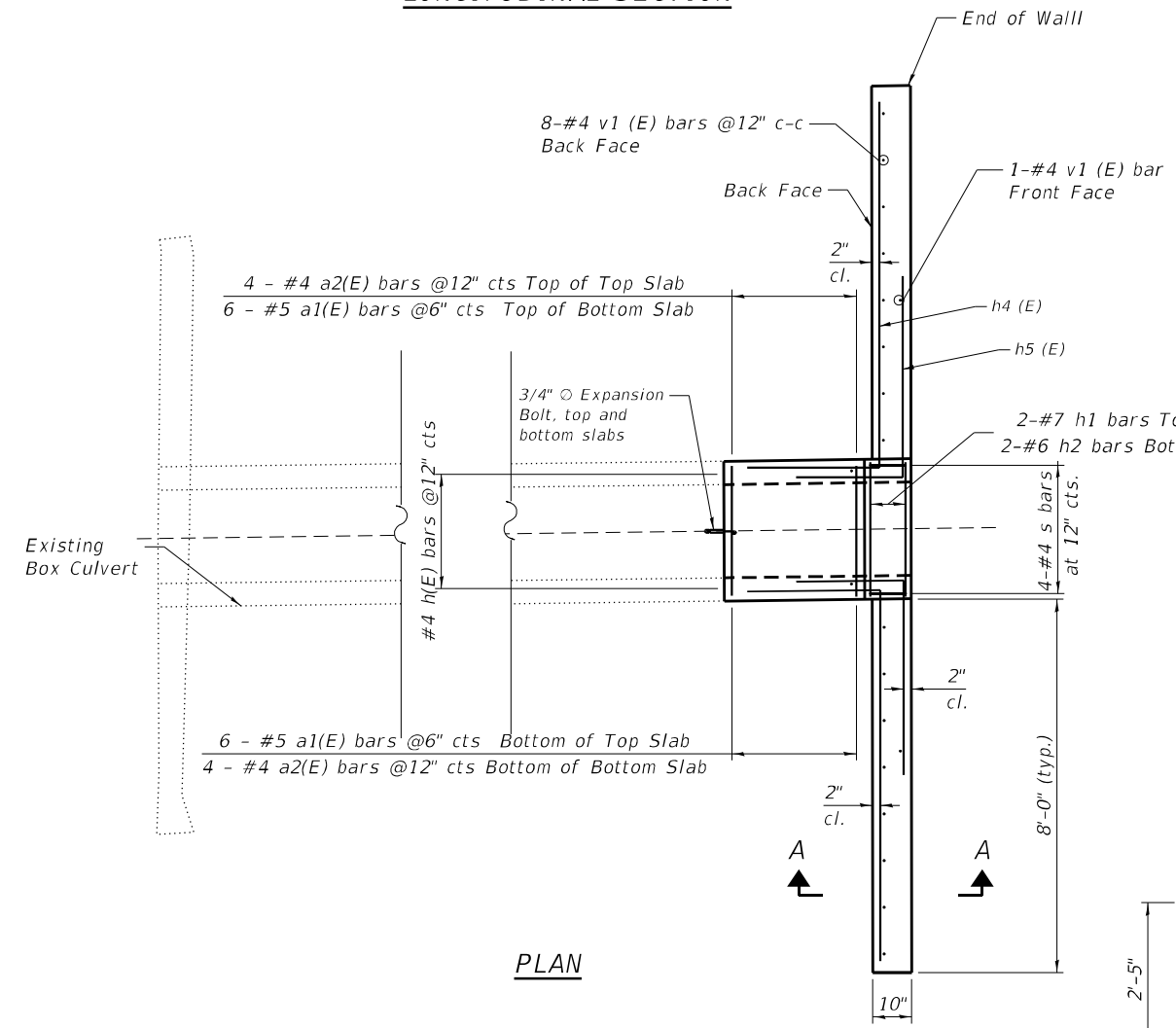
**LONGITUDINAL SECTION**



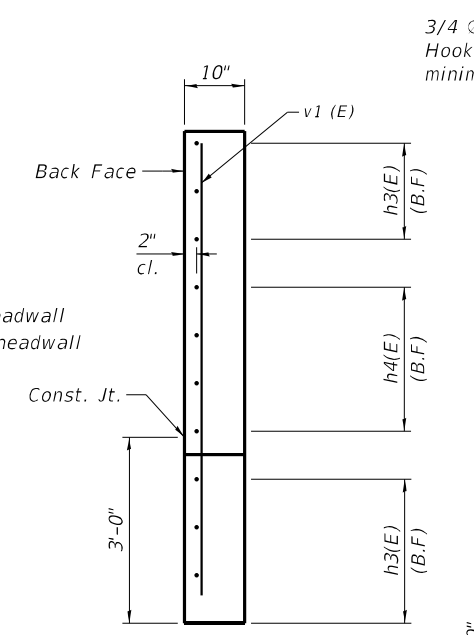
**SECTION THRU BARREL**



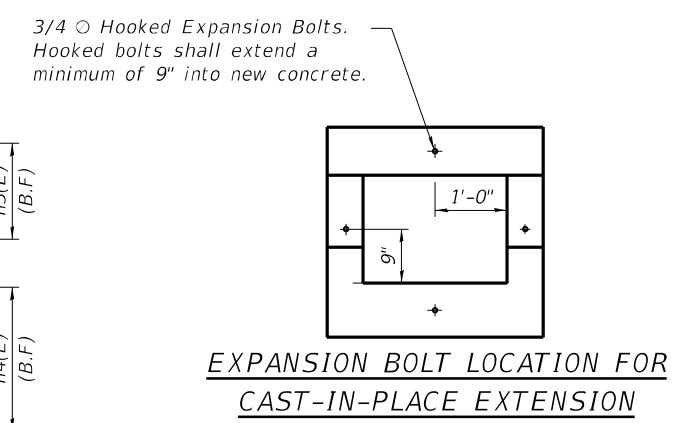
**WINGWALL ELEVATION**



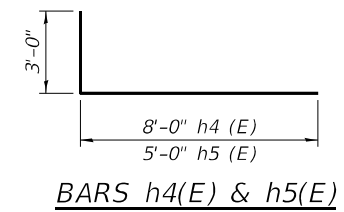
**PLAN**



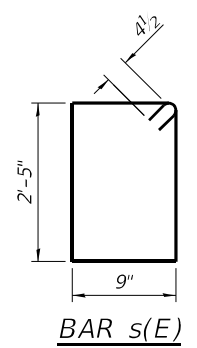
**SECTION A-A**



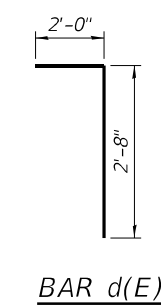
**EXPANSION BOLT LOCATION FOR CAST-IN-PLACE EXTENSION**



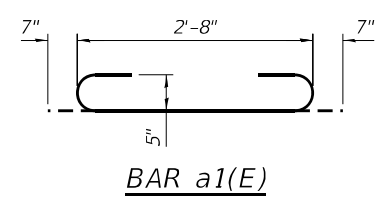
**BARS h4(E) & h5(E)**



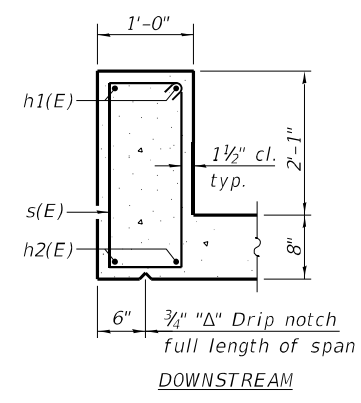
**BAR s(E)**



**BAR d(E)**



**BAR a1(E)**



**SECTION THRU HEADWALL**

**BILL OF MATERIAL**

| Bar                              | No. | Size  | Length | Shape |
|----------------------------------|-----|-------|--------|-------|
| a1 (E)                           | 12  | #5    | 3'-10" |       |
| a2 (E)                           | 9   | #4    | 2'-8"  |       |
| d (E)                            | 4   | #4    | 4'-8"  |       |
| h(E)                             | 20  | #4    | 3'-8"  |       |
| h1(E)                            | 2   | #7    | 2'-8"  |       |
| h2(E)                            | 2   | #6    | 2'-8"  |       |
| h3(E)                            | 6   | #5    | 18'-8" |       |
| h4(E)                            | 8   | #5    | 11'-0" |       |
| h5(E)                            | 6   | #5    | 8'-0"  |       |
| s(E)                             | 4   | #4    | 7'-1"  |       |
| v(E)                             | 18  | #4    | 2'-8"  |       |
| v1(E)                            | 18  | #4    | 6'-11" |       |
| Expansion Bolts                  |     | Each  | 4      |       |
| Concrete Box Culverts            |     | Cu Yd | 5.6    |       |
| Reinforcement Bars, Epoxy Coated |     | Pound | 540    |       |

B.F. - Back Face  
F.F. - Front Face

**NOTE**

1. Salvage existing longitudinal reinforcement and incorporate into new construction.

MODEL: Default  
FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage Improvements\CADD Sheets\162N27-sh1-5-1-3\_Wingwall Details.dgn  
5/11/2022 9:03:45 PM



|              |              |            |     |           |  |
|--------------|--------------|------------|-----|-----------|--|
| USER NAME =  | wmohammed    | DESIGNED - | KWB | REVISED - |  |
| CHECKED -    | AWM          | REVISED -  |     | REVISED - |  |
| PLOT SCALE = | 8:0.0000 "/> |            |     |           |  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WINGWALL DETAILS  
CULVERT REHABILITATION - IL 1 STA 72+32.14**

SHEET S1-3 OF S1-3 SHEETS

|             |                    |        |                           |           |
|-------------|--------------------|--------|---------------------------|-----------|
| F.A.P RTE.  | SECTION            | COUNTY | TOTAL SHEETS              | SHEET NO. |
| *           | 2020-257-T         | WILL   | 83                        | 46        |
| * 876 & 332 | CONTRACT NO. 62N27 |        | ILLINOIS FED. AID PROJECT |           |

Benchmark: CP 3,  
 Northing: 1730373.24  
 Easting: 1177321.21  
 Elevation NGVD 88: 749.53

Existing Structure: Construction year is not known.  
 It is a single barrel reinforced concrete box culvert,  
 with barrel dimensions 1.5' tall and 3' wide. The culvert  
 length is approximately 50' out to out of headwalls.  
 Proposed work consists of replacement 3' box culvert and  
 headwall and roadway improvements.

Traffic will be staged

No Salvage

Precast alternate is not allowed

**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge  
 Design Specifications, 9th Edition

**LOADING HL-93**

**DESIGN STRESSES**

**FIELD UNITS**

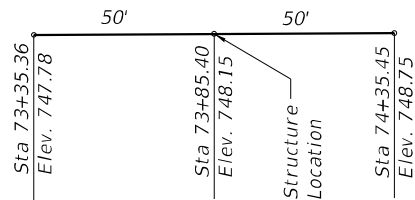
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**HIGHWAY CLASSIFICATION**

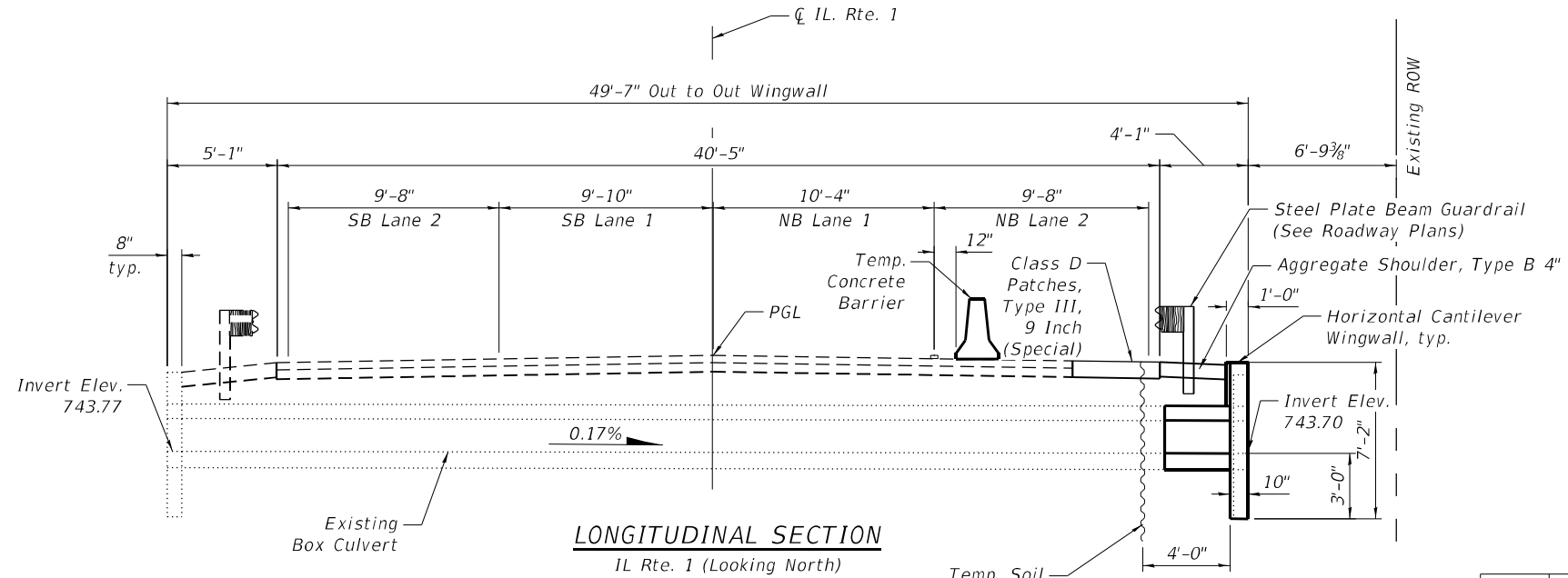
F.A.P RTE 876 S.DIXIE HWY./IL 1  
 Functional Class: Other Principal Arterial  
 ADT: 5300 (2019)  
 DHV: 440 (2019)  
 Posted Speed: 45mph



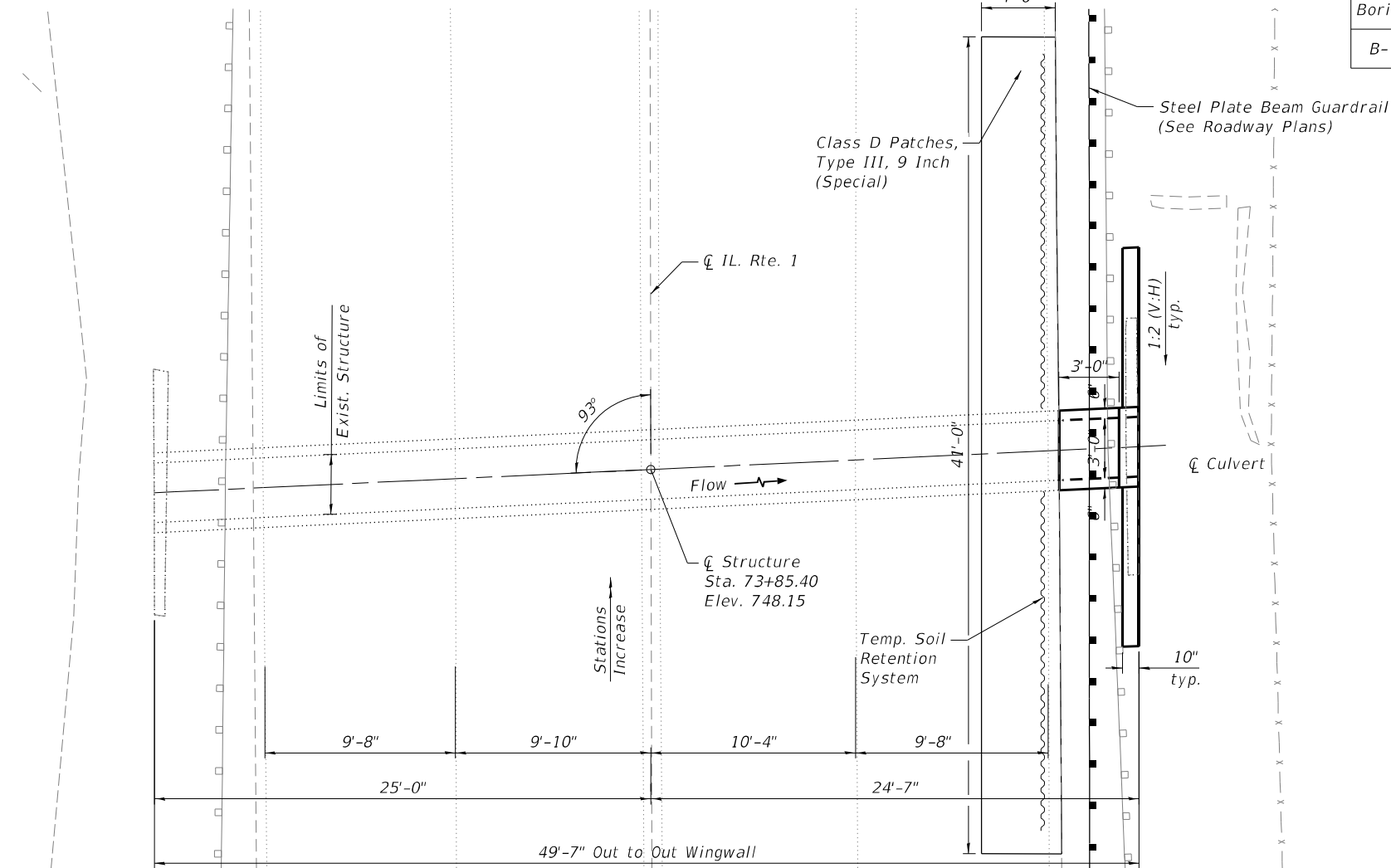
*Keith W. Benting*  
 Keith W. Benting, Illinois S.E. 081-004777 Date:  
 Expires 11/30/2022



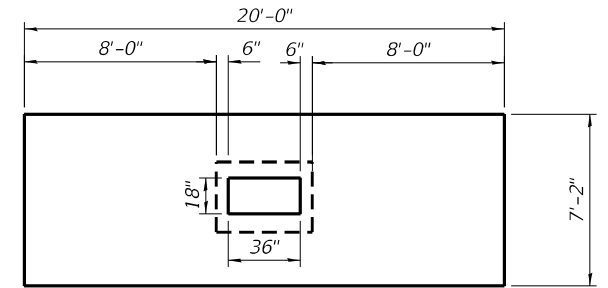
**PROFILE GRADE**  
 (Along  $\bar{C}$  IL Rte. 1)



**LONGITUDINAL SECTION**  
 IL Rte. 1 (Looking North)



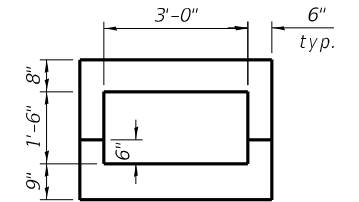
**PLAN**  
 IL Route 1



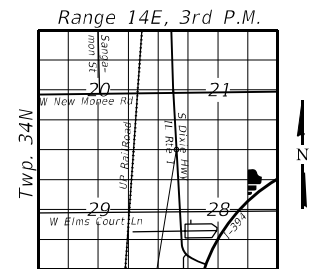
**WINGWALL ELEVATION**  
 Allowable Soil Bearing Pressure: 2,500 psf

**SOIL BORING LOCATIONS**

| Boring | Location   | Northing   | Easting    | Existing Ground Elevation (ft.) | Depth (ft.) |
|--------|------------|------------|------------|---------------------------------|-------------|
| B-1    | IL Route 1 | 1730249.69 | 1177293.91 | 748.2                           | 10          |



**SECTION THRU BARREL**



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**IL. ROUTE 1 OVER DITCH**  
**F.A.P RTE. 876 SEC. 2020-124-RD**  
**WILL COUNTY**  
**STATION 73+85.40**  
**(LOCATION 2)**

MODEL: Default  
 FILE NAME: S:\2019\191028\_PTB191\_002\W0 17\_62N27 Drainage Improvements\CADD\CADD\_Sheets\162N27-sh1-52-1-CPE\_IL\_1.dgn  
 6/27/2022 3:03:57 PM



|   |                |           |
|---|----------------|-----------|
| USER NAME = rgoertz   | DESIGNED - KWB | REVISED - |
| PLOT SCALE = 8:0.0000 "/> <td>CHECKED - AWM</td> <td>REVISED -</td> | CHECKED - AWM  | REVISED - |
| PLOT DATE = 6/27/2022   | DRAWN - AIM    | REVISED - |
|   | CHECKED - DRB  | REVISED - |

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

**GENERAL PLAN AND ELEVATION**  
**CULVERT REHABILITATION - IL 1 STA 73+85.40**

SHEET S2-1 OF S2-4 SHEETS

| F.A.P RTE.  | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-------------|------------|--------|--------------------|-----------|
| *           | 2020-257-T | WILL   | 83                 | 47        |
| * 876 & 332 |            |        | CONTRACT NO. 62N27 |           |

ILLINOIS FED. AID PROJECT

**GENERAL NOTES**

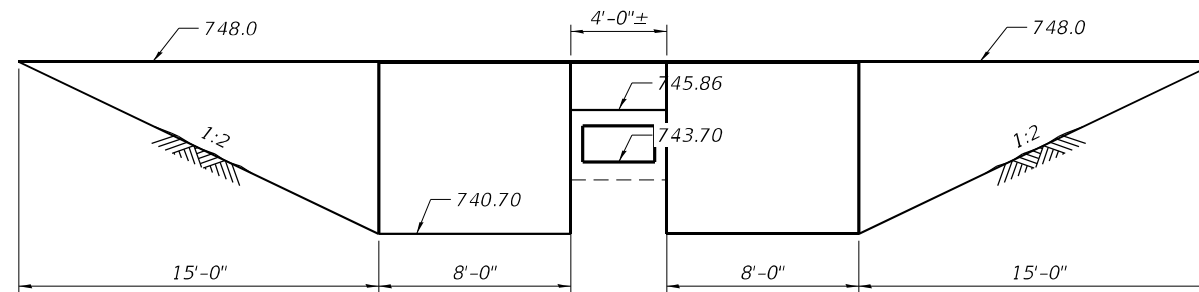
1. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
3. Reinforcement bars designated (E) shall be epoxy coated.

**INDEX OF SHEETS**

- S1. General Plan & Elevation
- S2. General Notes, Index, Bill of Material
- S3. Wingwall Details
- S4. Soil Boring Logs

**TOTAL BILL OF MATERIAL**

| ITEM                             | UNIT  | TOTAL |
|----------------------------------|-------|-------|
| Concrete Box Culverts            | Cu Yd | 6.0   |
| Concrete Removal                 | Cu Yd | 5.1   |
| Structure Excavation             | Cu Yd | 40    |
| Reinforcement Bars, Epoxy coated | Pound | 590   |
| Temporary Soil Retention System  | Sq Ft | 245   |
| Granular Backfill for Structures | Cu Yd | 11.5  |
| Expansion Bolts 3/4 inch         | Each  | 6     |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |
|                                  |       |       |



**TEMPORARY SOIL RETENTION**

MODEL: Default  
 FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage Improvements\CADD Sheets\162N27-shit+52-2\_General Notes, Index, Bill of Material.dgn  
 5/11/2022 9:03:48 PM



|              |                       |            |     |           |  |
|--------------|-----------------------|------------|-----|-----------|--|
| USER NAME =  | wmohammed             | DESIGNED - | KWB | REVISED - |  |
|              |                       | CHECKED -  | AWM | REVISED - |  |
| PLOT SCALE = | 8:0.0000 " = 1" / in. | DRAWN -    | AIM | REVISED - |  |
| PLOT DATE =  | 5/11/2022             | CHECKED -  | DRB | REVISED - |  |

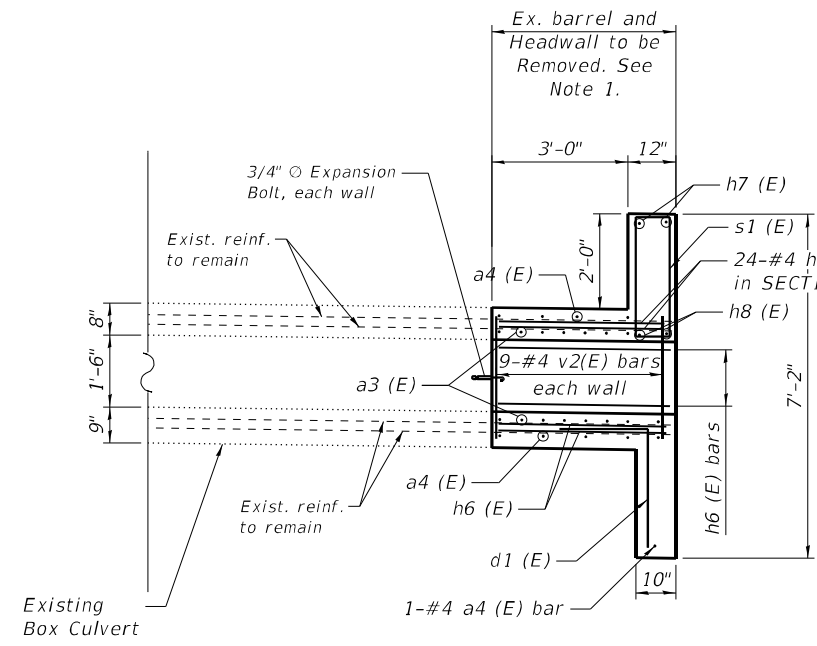
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX, BILL OF MATERIALS  
 CULVERT REHABILITATION - IL 1 STA 73+85.40**

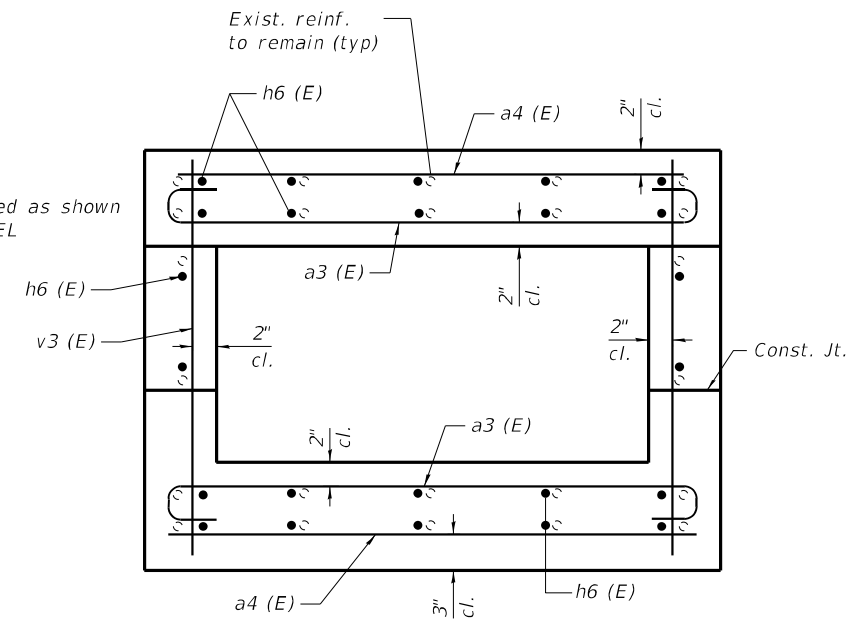
SHEET S2-2 OF S2-4 SHEETS

|               |            |                    |                 |              |
|---------------|------------|--------------------|-----------------|--------------|
| F.A.P<br>RTE. | SECTION    | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| *             | 2020-257-T | WILL               | 83              | 48           |
| * 876 & 332   |            | CONTRACT NO. 62N27 |                 |              |
| ILLINOIS      |            | FED. AID PROJECT   |                 |              |

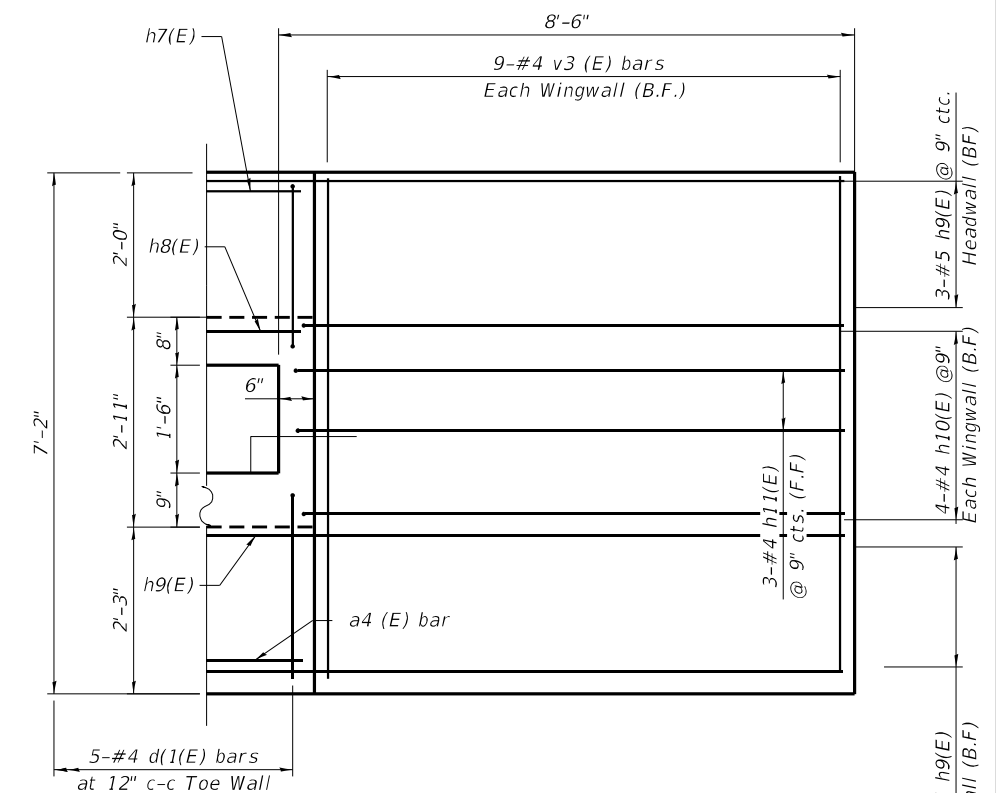




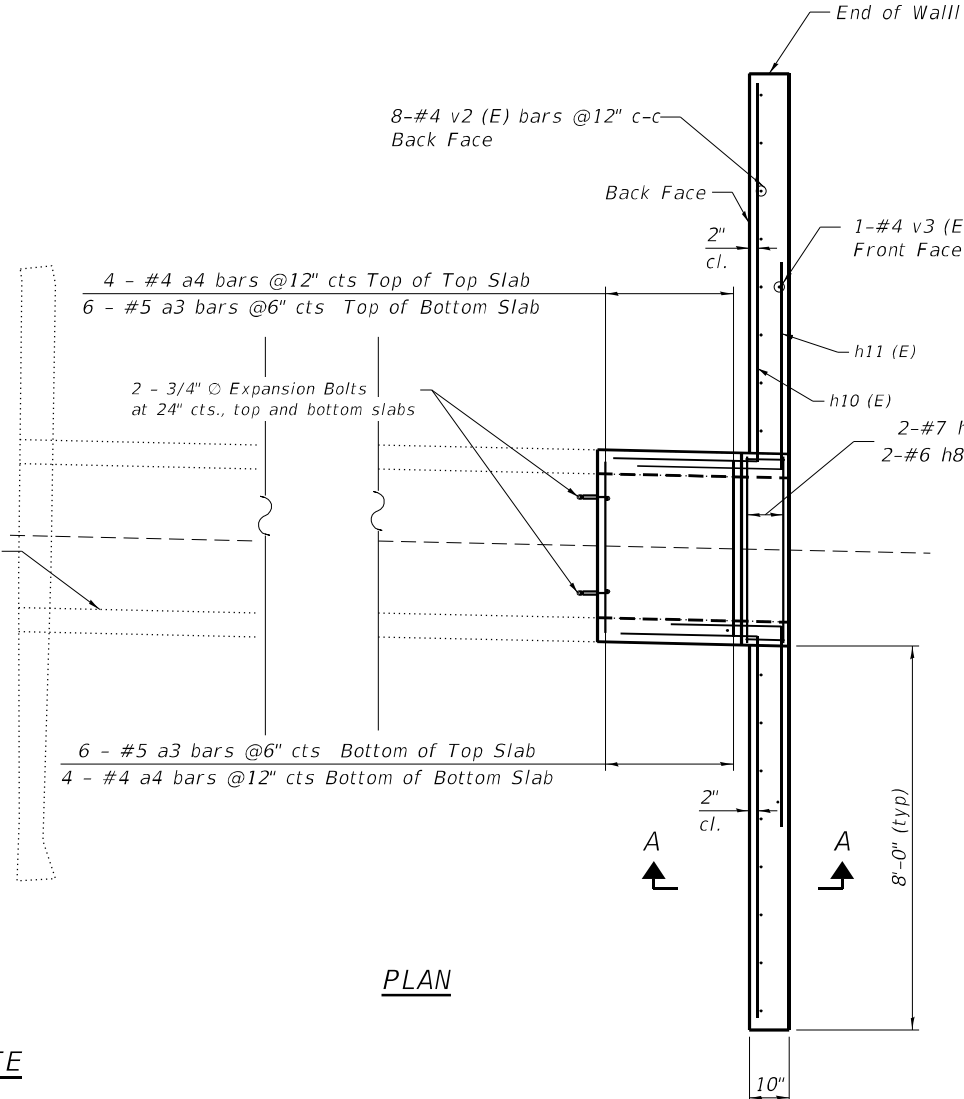
**LONGITUDINAL SECTION**



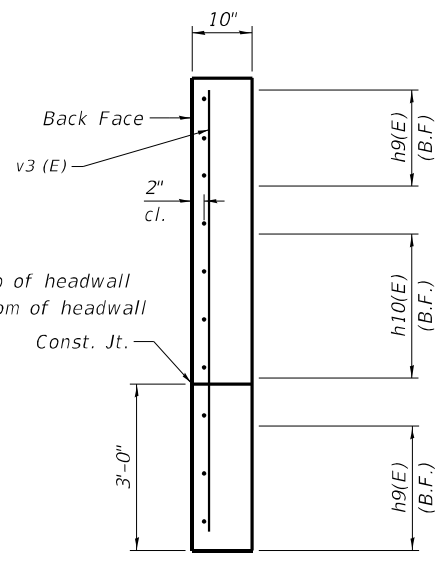
**SECTION THRU BARREL**



**WINGWALL ELEVATION**

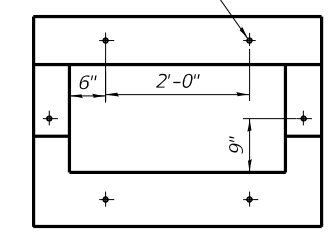


**PLAN**

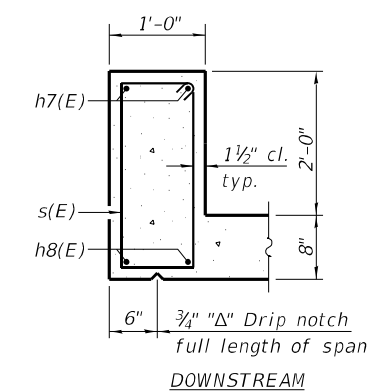
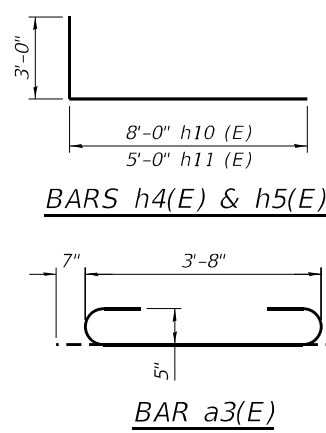
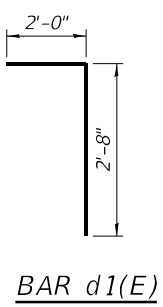
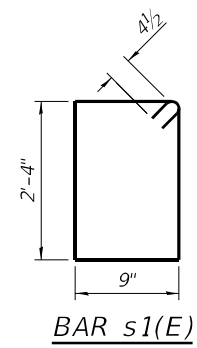


**SECTION A-A**

3/4" Hooked Expansion Bolts. Hooked bolts shall extend a minimum of 9" into new concrete.



**EXPANSION BOLT LOCATION FOR CAST-IN-PLACE EXTENSION**



**SECTION THRU HEADWALL**

**BILL OF MATERIAL**

| Bar                              | No. | Size  | Length | Shape |
|----------------------------------|-----|-------|--------|-------|
| a3(E)                            | 12  | #5    | 4'-10" | U     |
| a4(E)                            | 9   | #4    | 3'-8"  | U     |
| d1(E)                            | 5   | #4    | 4'-8"  | U     |
| h6(E)                            | 24  | #4    | 3'-8"  | U     |
| h7(E)                            | 2   | #7    | 3'-8"  | U     |
| h8(E)                            | 2   | #6    | 3'-8"  | U     |
| h9(E)                            | 6   | #5    | 19'-8" | U     |
| h10(E)                           | 8   | #5    | 11'-0" | U     |
| h11(E)                           | 6   | #5    | 8'-0"  | U     |
| s1(E)                            | 5   | #4    | 6'-11" | U     |
| v2(E)                            | 18  | #4    | 2'-8"  | U     |
| v3(E)                            | 18  | #4    | 6'-10" | U     |
| Expansion Bolts                  |     | Each  | 6      |       |
| Concrete Box Culverts            |     | Cu Yd | 6      |       |
| Reinforcement Bars, Epoxy Coated |     | Pound | 590    |       |

B.F. - Back Face  
F.F. - Front Face

**NOTE**

1. Salvage existing longitudinal reinforcement and incorporate into construction.

MODEL: Default  
FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27 Drainage Improvements\CADD\CADD Sheets\162N27-5ht-52-3\_Wingwall Details.dgn  
5/11/2022 9:03:49 PM



|              |                |            |     |           |  |
|--------------|----------------|------------|-----|-----------|--|
| USER NAME =  | wmohammed      | DESIGNED - | KWB | REVISED - |  |
| PLOT SCALE = | 8:0.0000 "/in. | CHECKED -  | AWM | REVISED - |  |
| PLOT DATE =  | 5/11/2022      | DRAWN -    | AIM | REVISED - |  |
|              |                | CHECKED -  | DRB | REVISED - |  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WINGWALL DETAILS  
CULVERT REHABILITATION - IL 1 STA 73+85.40**

SHEET S2-3 OF S2-4 SHEETS

|                           |                    |        |              |           |
|---------------------------|--------------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION            | COUNTY | TOTAL SHEETS | SHEET NO. |
| *                         | 2020-257-T         | WILL   | 83           | 49        |
| * 876 & 332               | CONTRACT NO. 62N27 |        |              |           |
| ILLINOIS FED. AID PROJECT |                    |        |              |           |



Benchmark: CP 1 Set magnail in shoulder 5' north of northend of guardrail.  
 Northing: 1739521.45  
 Easting: 1191726.62  
 Elevation NGVD 88: 705.487

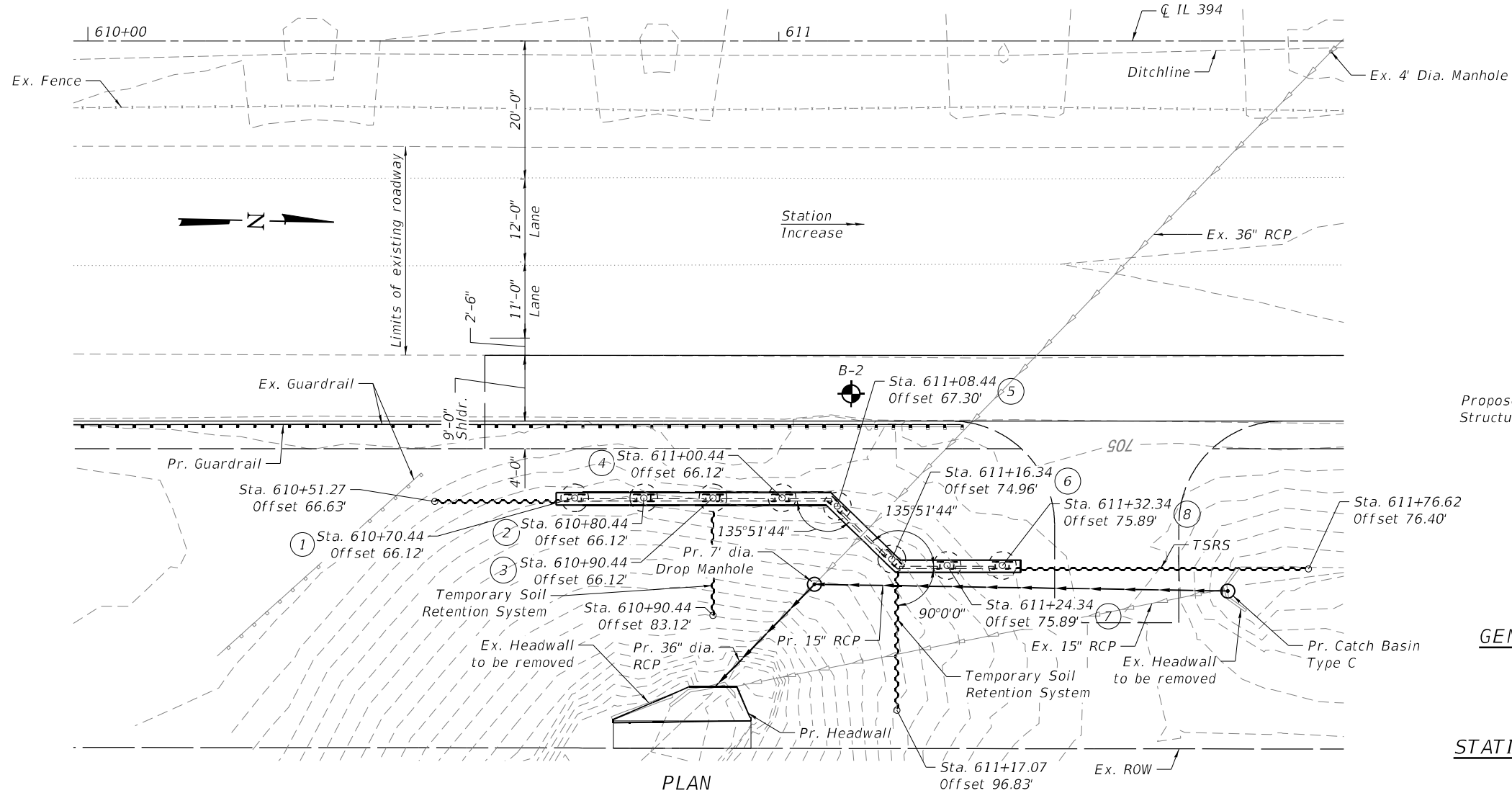
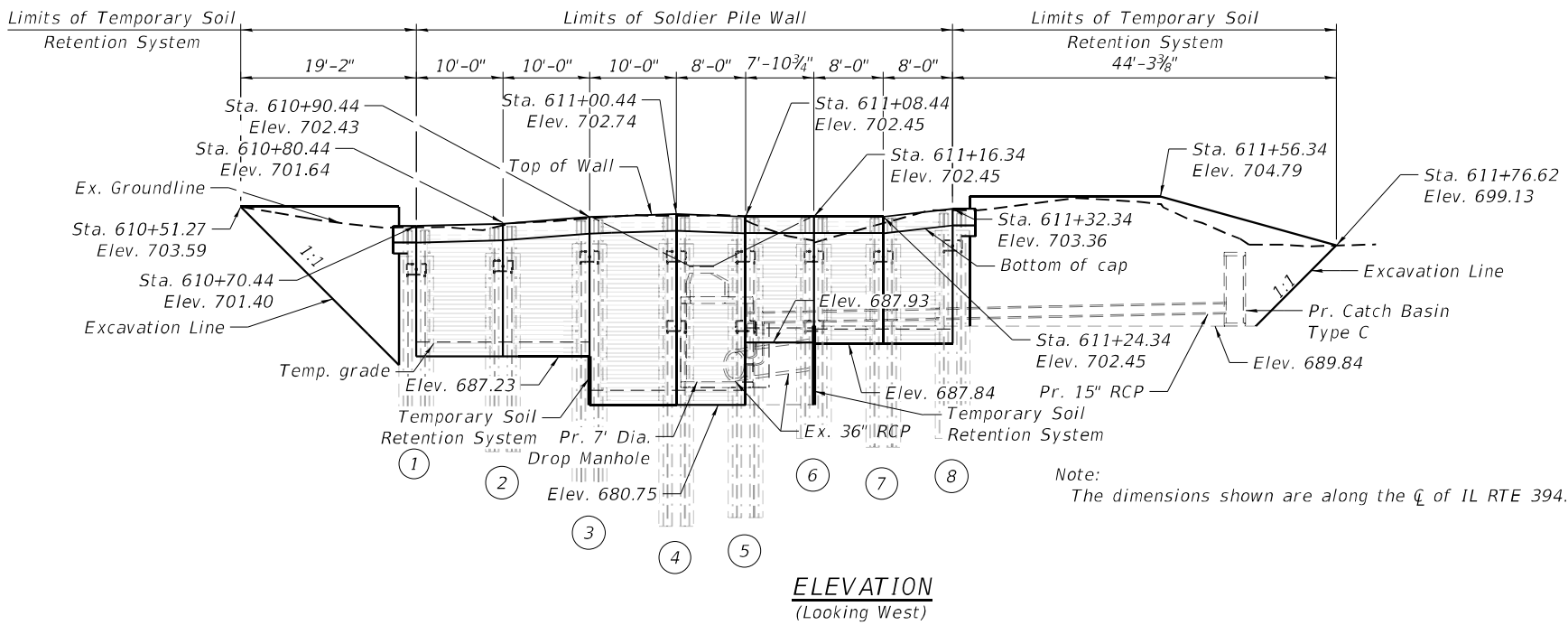
**DESIGN SPECIFICATIONS**  
 2020 AASHTO LRFD Bridge Design  
 Specifications, 9th Edition

**DESIGN STRESSES**

$f_u$  Ultimate Anchor Bar Stress = 150 ksi  
 $f_{pu}$  Ultimate Seven Wire Strand Stress = 270 ksi  
 $f_y$  Soldier Piles = 50 ksi  
 $f_y$  Structural Steel = 50 ksi  
 $f_y$  Reinforcement = 60 ksi  
 $f'_c$  Concrete = 4.0 ksi

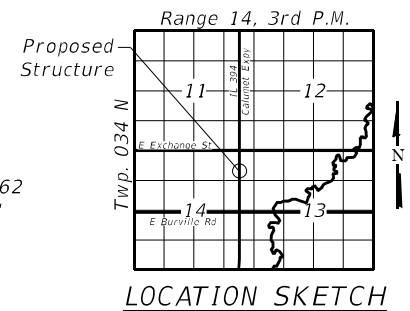
**TREATED TIMBER LAGGING**  
**(DENSE 1, SOUTHERN PINE)**

| Thickness (in.) | Fbo (ksi) | Fb (ksi) |
|-----------------|-----------|----------|
| 4               | 1.35      | 2.27     |
| 6               | 1.55      | 3.06     |



**LEGEND**

- Soil Boring
- Major Contour
- Minor Contour



**GENERAL PLAN & ELEVATION**  
**IL ROUTE 394**  
**F.A. . RTE. 332 - SEC.**  
**WILL COUNTY**  
**STATION 610+75.00 TO 611+50.00**  
**(LOCATION 7)**

MODEL: Default  
 FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage\_Improvements\CADD\CADD Sheets\17\_62N27-5ht+53-1\_GPE\_IL\_394.dgn



*Keith W. Bentley*  
 Keith W. Bentley, Illinois S.E. 081-004777 Date: 06/20/2022  
 Expires 11/30/2020

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

**GENERAL PLAN & ELEVATION**  
**SLOPE STABILIZATION - IL 394 STA 611+00**

SHEET S3-1 OF S3-8 SHEETS

|                                |                |           |
|--------------------------------|----------------|-----------|
| USER NAME = rgoertz            | DESIGNED - KWB | REVISED - |
| PLOT SCALE = 19:11.9999" / in. | CHECKED - AWM  | REVISED - |
| PLOT DATE = 6/20/2022          | DRAWN - AIM    | REVISED - |
|                                | CHECKED - DRB  | REVISED - |

| F.A.P. RTE. | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
|-------------|------------|--------------------|--------------|-----------|
| *           | 2020-257-T | WILL               | 83           | 51        |
| * 876 & 332 |            | CONTRACT NO. 62N27 |              |           |

ILLINOIS FED. AID PROJECT

**SEQUENCE OF CONSTRUCTION**

Drill soldier pile excavation through overburden soils until the specified tip elevation is encountered.

Set, center and brace the pile in the excavation, backfill the excavation with class SI concrete to encase the pile to bottom of lagging depth specified.

Place controlled low strength material above the Class SI Encasement Concrete to the ground line.

Place lagging and geocomposite wall drain to the top of pile.

Excavate in front of wall until 3 feet of lagging is placed below the upper anchor depths shown on the plans, removing only enough CLSM and soil to allow the installation of the geocomposite and lagging without creating a void behind the wall.

Install anchors and anchorage head bearing plates. Test the anchors while monitoring the top of soldier pile deflection and discontinue test if the top of soldier piles deflects more than 1 inch. Lock off anchor at the design load.

Continue the excavation in front of the wall, to allow the installation of the geocomposite and lagging to bottom of lagging depths shown on the plans. Install and test lower anchors within 2 days of completing lagging installation.

Excavate for the wall underdrain, place geotextile, extend geocomposite underdrain, place perforated drain pipe and aggregate, covering the top with geotextile to seal the underdrain from soil intrusion.

When placing embankment at front face of wall, place a non-perforated pipe, perpendicular to the wall and sloping away from the wall at 20:1 at the following locations:

- Station 610+70.44
- Station 610+90.44
- Station 611+08.44

The non-perforated pipe shall be connected to the perforated pipe and extend through the final embankment. Cost included with Cost of Pipe Underdrain for Structures 4".

Backfill the lagging and drain excavation in front of wall with compacted suitable on-site low permeability soils up to the temporary excavation grade for construction of the drop manhole and associated pipes.

After retesting and locking off any remaining anchors, place cast in place cap and concrete facing where indicated. Place embankment at front of wall and grade embankment behind wall then vegetate soil.

Embankment shall be placed in front of the wall to the line and grades shown on the roadway cross sections provided for location 7.

**TREATED TIMBER LAGGING**

| Section | Required Thickness |
|---------|--------------------|
| 1-2     | 6"                 |
| 2-3     | 6"                 |
| 3-4     | 6"                 |
| 4-5     | 4"                 |
| 5-6     | 6"                 |
| 6-7     | 4"                 |
| 7-8     | 4"                 |

**GENERAL NOTES**

Reinforcement bars designated (E) shall be epoxy coated.

All exposed edges of the concrete cap shall be beveled 3/4".

See Special Provisions for installation and testing of Permanent Ground Anchors.

All Structural Steel and Soldier Piles shall be cleaned and shop painted with one coat of inorganic zinc rich primer. The inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of all structural steel and Soldier Piles not in contact with encasement concrete. The color of the final finish coat shall be reddish brown, Munsell No. 2.5YR 3/4.

The Contractor shall insure that the bottom, sides and top edges of the Geocomposite Wall Drain are protected from soil entering or sealing the drain while placing the pervious fabric side of the drain toward the soil. Geocomposite wall drain shall be installed in stages as the excavation proceeds downward. Splicing should be minimized, following proper splice practices to insure no long term soil contamination.

The treated timber lagging shall conform to the requirements of the Standard Specifications. All lumber shall be treated according to Art. 1007.12(a)(2) of the Standard Specifications and each cut edge of any timbers shall have those faces covered with additional treatment as required by the Engineer.

The anchor design may use steel tendons consisting of either 150 ksi thread bar or 270 ksi strand configuration.

The soldier piles were size based on the anchor load and angle of inclination that would place the bonded zone in soil able to develop the necessary pull out capacity. If the Contractor wishes to use different inclination angles, the shop drawing calculations shall make any necessary changes to the design of the soldier piles and anchor load and tendon at no additional cost to the Department.

Changing the angle of inclination of the top anchors at Pile 5, 6, 7 and 8 may result in interference between the anchors.

Quantities and pay items for all excavation, embankment and granular material and placement are covered in the roadway plans.

The boring log presented in the contract documents is representative of the conditions at the location where the boring was made but conditions may vary away from the boring.

**PILE SUMMARY**

| Pile No. | Station   | Offset to CL Pile (ft.) | Pile Designation | Top/Pile Elevation | Btm/Pile Elevation | Pile Length (ft.) |
|----------|-----------|-------------------------|------------------|--------------------|--------------------|-------------------|
| 1        | 610+70.44 | 66.12                   | 2 - HP12x84      | 700.90             | 678.23             | 22.67             |
| 2        | 610+80.44 | 66.12                   | 2 - HP12x84      | 701.14             | 676.47             | 24.67             |
| 3        | 610+90.44 | 66.12                   | 2 - HP12x84      | 701.93             | 677.26             | 24.67             |
| 4        | 611+00.44 | 66.12                   | 2 - HP12x84      | 702.24             | 666.75             | 35.49             |
| 5        | 611+08.44 | 67.30                   | 2 - HP12x84      | 701.95             | 667.75             | 34.20             |
| 6        | 611+16.34 | 74.96                   | 2 - HP12x84      | 701.95             | 667.75             | 34.20             |
| 7        | 611+24.34 | 75.89                   | 2 - HP12x84      | 701.95             | 675.84             | 26.11             |
| 8        | 611+32.34 | 75.89                   | 2 - HP12x84      | 702.86             | 676.84             | 26.02             |

**TOTAL BILL OF MATERIAL**

| ITEM                                       | UNIT    | QUANTITY |
|--|---------|----------|
| Concrete Structures                        | Cu. Yd. | 6.1      |
| Reinforcement Bars, Epoxy Coated           | Pound   | 890      |
| Temporary Soil Retention System            | Sq. Ft. | 836      |
| Furnishing Soldier Piles (HP Section)      | Foot    | 457      |
| Drilling and Setting Soldier Piles in Soil | Cu. Ft. | 2,858    |
| Treated Timber Lagging                     | Sq. Ft. | 723      |
| Geocomposite Wall Drain                    | Sq. Yd. | 63       |
| Permanent Ground Anchor                    | Each    | 11       |
| Pipe Underdrain for Structures 4"          | Foot    | 192      |
|  |         |          |
|  |         |          |
|  |         |          |
|  |         |          |

MODEL: Default  
FILE NAME: S:\2019\191028\_PTB191\_002\WO\_17\_62N27\_Drainage\_Improvements\CADD\CADD\_Sheets\162N27-sh1+53-2\_General\_Notes\_Index\_Bill of Material.dgn



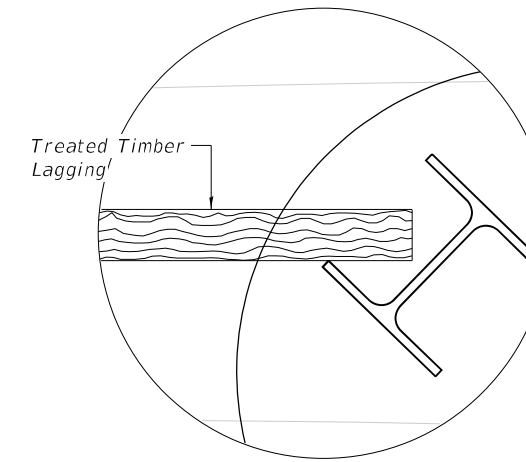
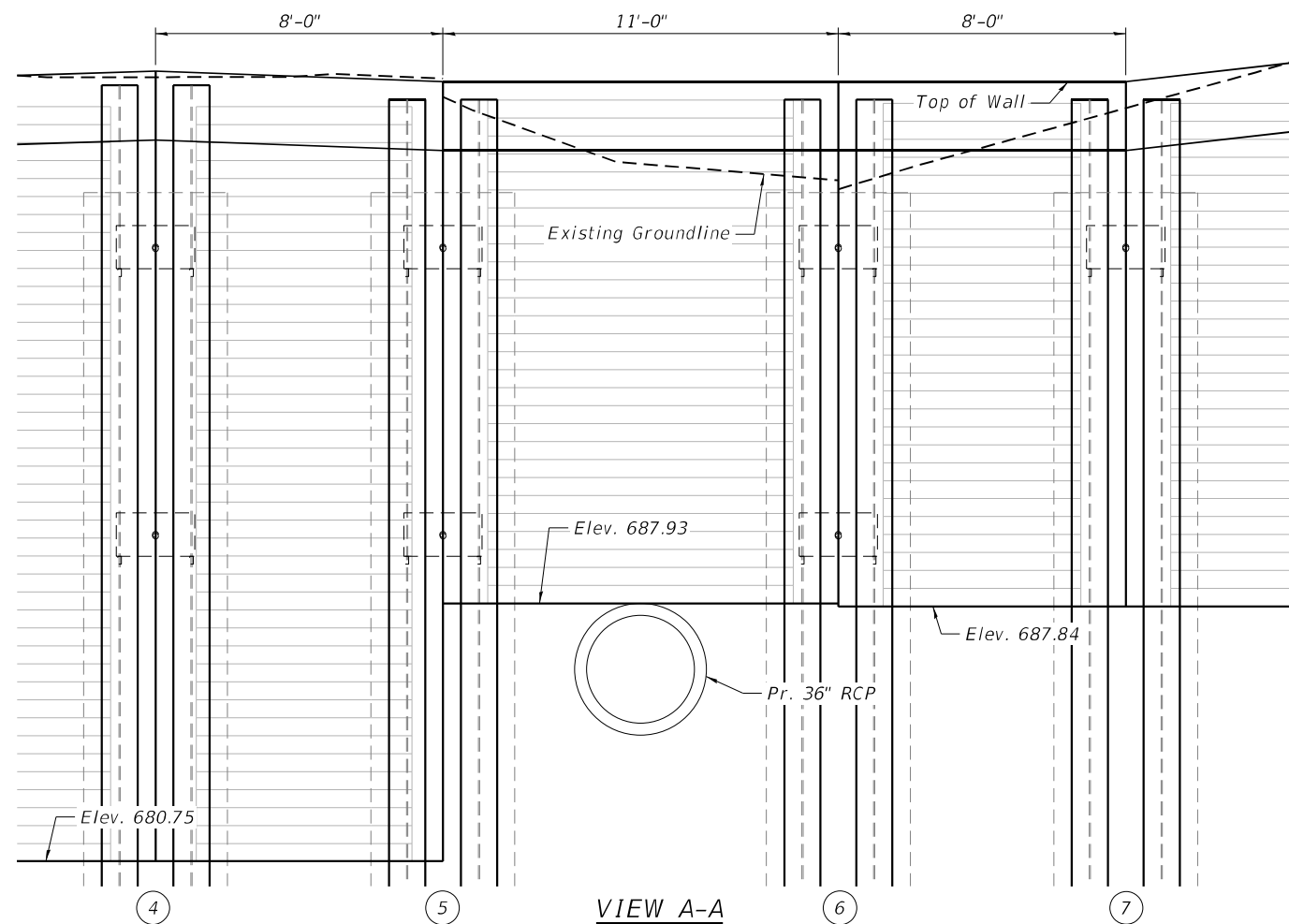
|                                 |                |           |
|---------------------------------|----------------|-----------|
| USER NAME = rgoertz             | DESIGNED - KWB | REVISED - |
|                                 | CHECKED - AWM  | REVISED - |
| PLOT SCALE = 32:0.0000' : 1 in. | DRAWN - AIM    | REVISED - |
| PLOT DATE = 6/20/2022           | CHECKED - DRB  | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

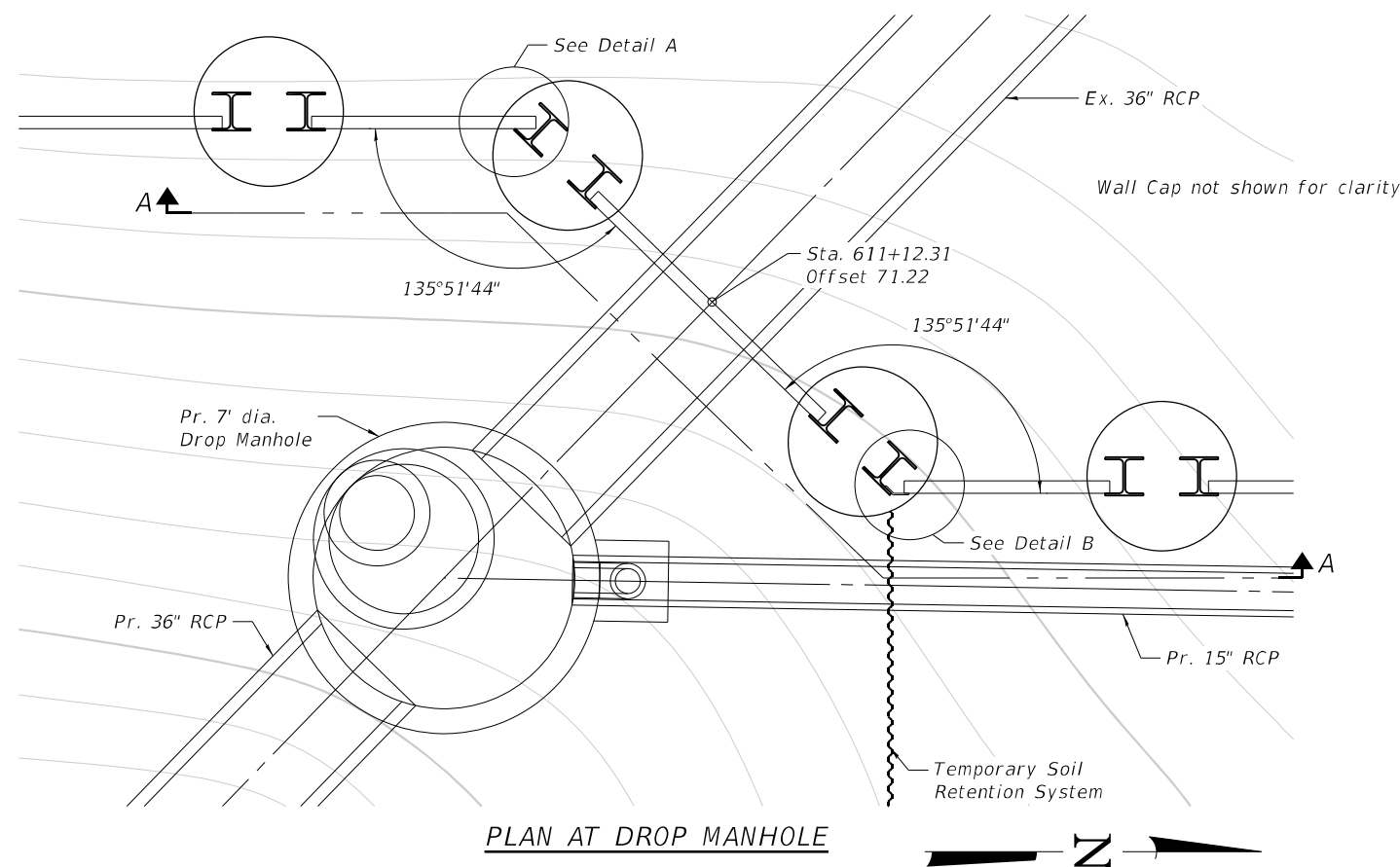
**GENERAL NOTES, DATA, BILL OF MATERIALS  
SLOPE STABILIZATION - IL 394 STA 611+00**

SHEET S3-2 OF S3-8 SHEETS

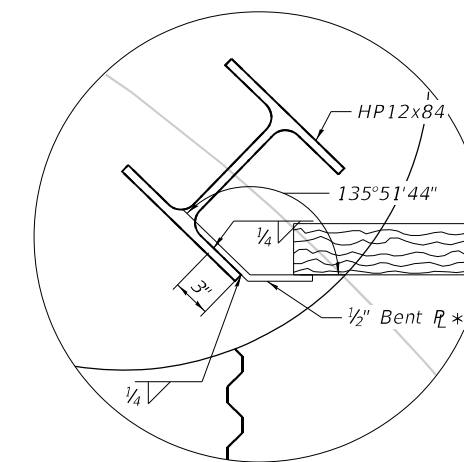
|             |                           |        |                    |           |
|-------------|---------------------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION                   | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *           | 2020-257-T                | WILL   | 83                 | 52        |
| * 876 & 332 | ILLINOIS FED. AID PROJECT |        | CONTRACT NO. 62N27 |           |



**DETAIL A**



**PLAN AT DROP MANHOLE**



**DETAIL B**

\* Included in cost of  
Furnishing Soldier Piles  
(HP Section)

MODEL: Default  
FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27 Drainage Improvements\CADD Sheets\162N27-5ht-53-3 Wall Details at Manhole.dgn  
6/20/2022 9:11:25 PM



|   |                |           |
|---|----------------|-----------|
| USER NAME = rgoertz   | DESIGNED - KWB | REVISED - |
|   | CHECKED - AWM  | REVISED - |
| PLOT SCALE = 5:0.0000 "/> <td>DRAWN - AIM</td> <td>REVISED -</td> | DRAWN - AIM    | REVISED - |
| PLOT DATE = 6/20/2022   | CHECKED - DRB  | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOLDIER PILE WALL DETAILS AT MANHOLE  
SLOPE STABILIZATION - IL 394 STA 611+00**

SHEET S3-3 OF S3-8 SHEETS

| F.A.P. RTE. | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-------------|------------|--------|--------------------|-----------|
| *           | 2020-257-T | WILL   | 83                 | 53        |
| * 876 & 332 |            |        | CONTRACT NO. 62N27 |           |

ILLINOIS FED. AID PROJECT

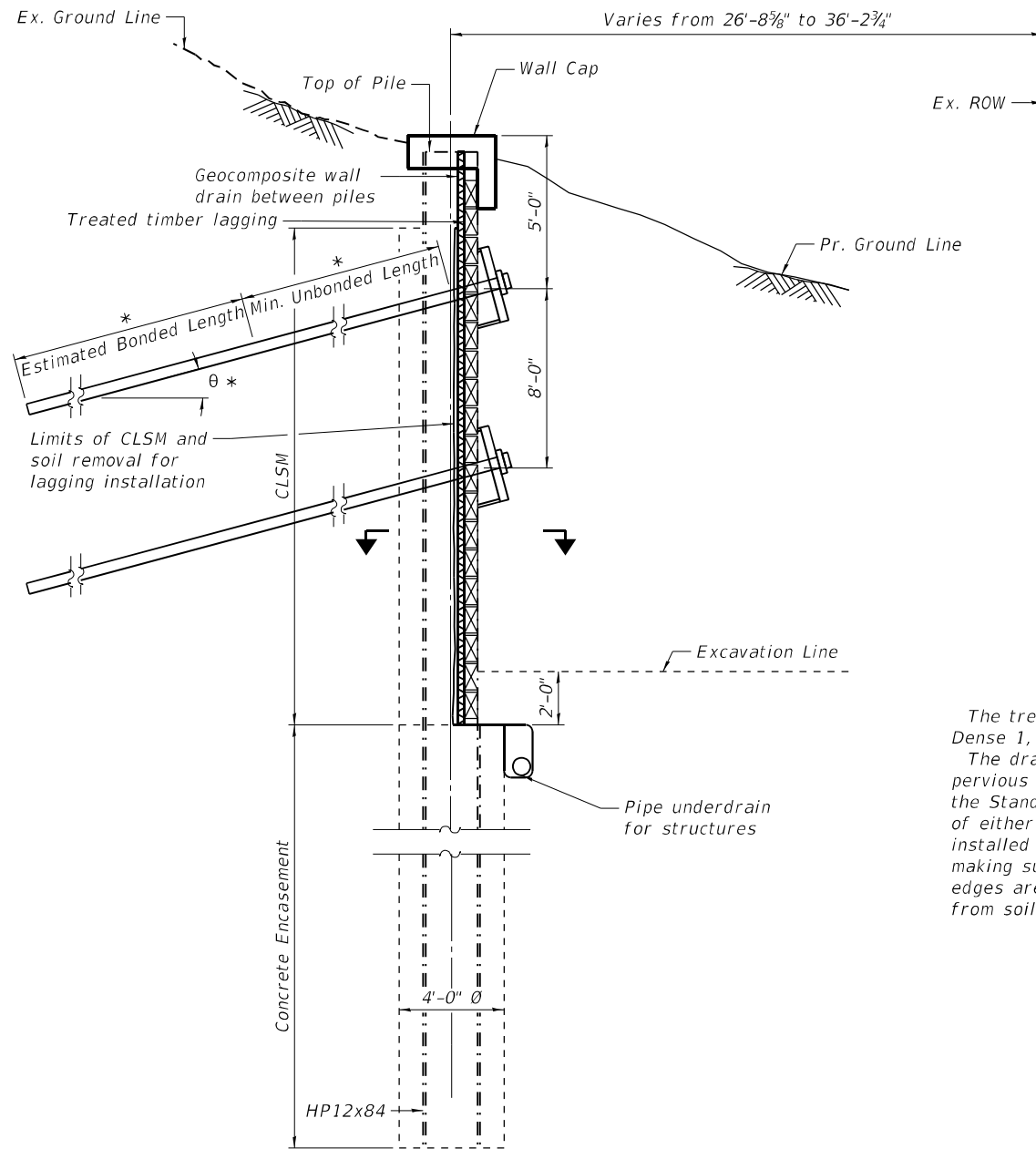
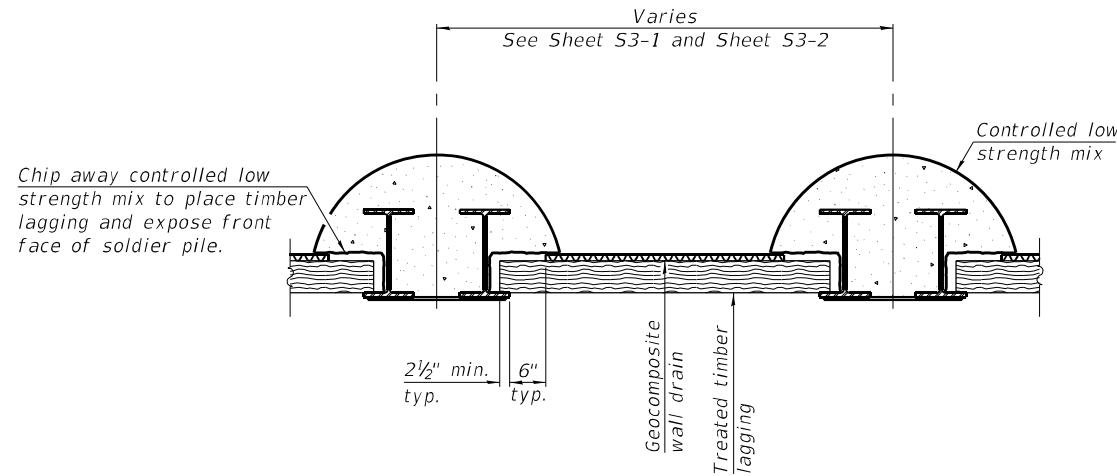
**GROUND ANCHOR SUMMARY TABLE**

| Section | Anchor | Anchor Elev. at Pile | θ (deg.) | P <sub>DL</sub> (kips) | 150 ksi Bar Tendon |                                     | 270 ksi Prestressing Strands |                                     | Min. Unbonded Length (ft.) | Est. Bonded Length (ft.) |
|---------|--------|----------------------|----------|------------------------|--------------------|-------------------------------------|------------------------------|-------------------------------------|----------------------------|--------------------------|
|         |        |                      |          |                        | Diameter (in.)     | A <sub>bs</sub> (in. <sup>2</sup> ) | No. of Strands               | A <sub>ps</sub> (in. <sup>2</sup> ) |                            |                          |
| Pile 1  | Top    | 696.40               | 15.00    | 88.68                  | 1.25               | 1.25                                | 3                            | 0.651                               | 15.00                      | 16.13                    |
| Pile 2  | Top    | 696.64               | 15.00    | 177.36                 | 1.75               | 2.66                                | 7                            | 1.519                               | 15.00                      | 32.26                    |
| Pile 3  | Top    | 697.43               | 15.00    | 177.36                 | 1.75               | 2.66                                | 7                            | 1.519                               | 15.00                      | 32.26                    |
| Pile 4  | Top    | 697.74               | 15.00    | 193.62                 | 1.75               | 2.66                                | 6                            | 1.302                               | 15.00                      | 35.22                    |
| Pile 4  | Bottom | 689.74               | 15.00    | 211.64                 | 1.75               | 2.66                                | 7                            | 1.519                               | 15.00                      | 38.50                    |
| Pile 5  | Top    | 697.45               | 10.00    | 183.14                 | 1.75               | 2.66                                | 6                            | 1.302                               | 15.00                      | 33.31                    |
| Pile 5  | Bottom | 689.45               | 15.00    | 215.09                 | 1.75               | 2.66                                | 7                            | 1.519                               | 15.00                      | 39.12                    |
| Pile 6  | Top    | 697.45               | 20.00    | 191.94                 | 1.75               | 2.66                                | 6                            | 1.302                               | 15.00                      | 34.91                    |
| Pile 6  | Bottom | 689.45               | 15.00    | 189.34                 | 1.75               | 2.66                                | 6                            | 1.302                               | 15.00                      | 34.44                    |
| Pile 7  | Top    | 697.45               | 15.00    | 143.87                 | 1.75               | 2.66                                | 5                            | 1.085                               | 15.00                      | 26.17                    |
| Pile 8  | Top    | 698.36               | 15.00    | 81.23                  | 1.25               | 1.25                                | 3                            | 0.651                               | 15.00                      | 14.77                    |

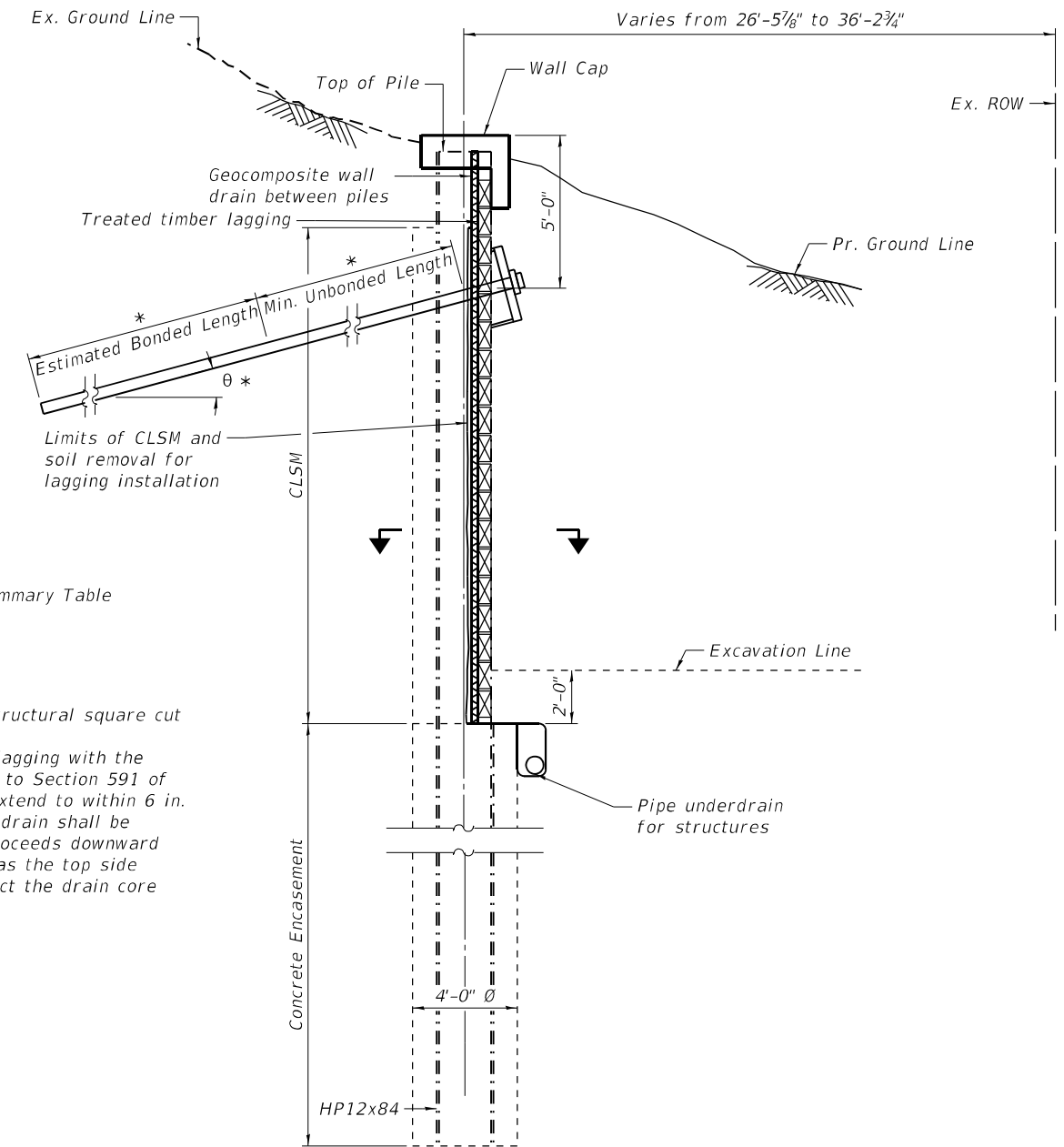
θ = Anchor angle with horizontal

The prestressing steel tendon must consist of one high-strength bar (AASHTO M 275) of the nominal diameter shown or the specified number of seven-wire strands (AASHTO M 203 Grade 270, 0.6" diameter).

Bonded length shown is estimated length. The Contractor must determine the bonded length necessary to satisfy the Test Load Requirements. See Special Provisions.



**SECTION AT SOLDIER PILE 4, 5, & 6**



**SECTION AT SOLDIER PILE 1 THRU 3 AND 7 & 8**

\* See Ground Anchor Summary Table

The treated timber lagging shall be structural square cut Dense 1, Southern Pine.  
The drain shall be placed behind the lagging with the pervious side toward the soil according to Section 591 of the Standard Specifications and shall extend to within 6 in. of either side soldier pile flange. The drain shall be installed in stages as the excavation proceeds downward making sure that drain splices as well as the top side edges are covered as required to protect the drain core from soil intrusion.

MODEL: Default  
FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage\_Improvements\CADD\_Sheets\162N27-sh1+53-4\_Typical\_Sections.dgn  
5/11/2022 9:04:10 PM



|              |                |            |     |           |  |
|--------------|----------------|------------|-----|-----------|--|
| USER NAME =  | wmohammed      | DESIGNED - | KWB | REVISED - |  |
|              |                | CHECKED -  | AWM | REVISED - |  |
| PLOT SCALE = | 0:2.0000 "/in. | DRAWN -    | AIM | REVISED - |  |
| PLOT DATE =  | 5/11/2022      | CHECKED -  | DRB | REVISED - |  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOLDIER PILE WALL DETAILS - TYPICAL SECTIONS  
SLOPE STABILIZATION - IL 394 STA 611+00**

SHEET S3-4 OF S3-8 SHEETS

|             |                           |        |                    |           |
|-------------|---------------------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION                   | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *           | 2020-257-T                | WILL   | 83                 | 64        |
| * 876 & 332 | ILLINOIS FED. AID PROJECT |        | CONTRACT NO. 62N27 |           |

MODEL: Default  
 FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27 Drainage Improvements\CADD\CADD Sheets\162N27-sh1-53-5 Tie-Back and Drainage Details.dgn  
 5/11/2022 9:04:11 PM



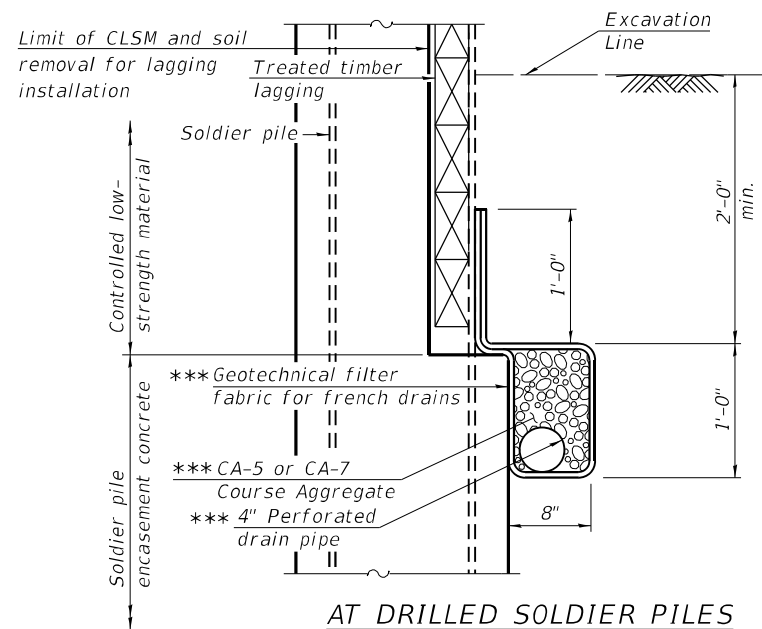
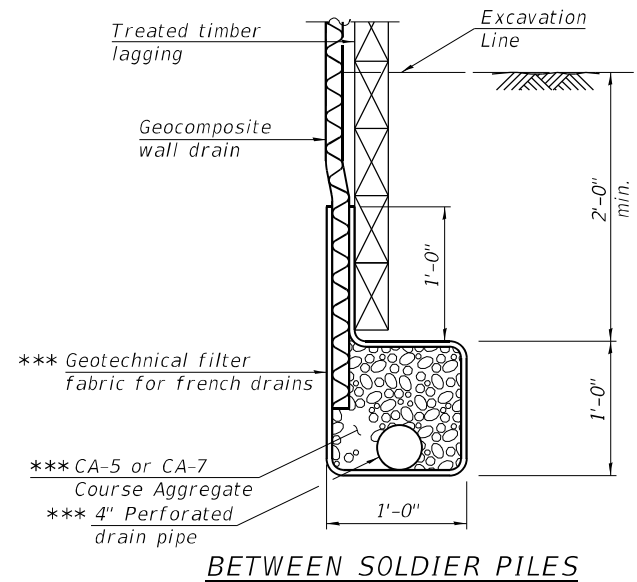
|              |                |            |     |           |  |
|--------------|----------------|------------|-----|-----------|--|
| USER NAME =  | wmohammed      | DESIGNED - | KWB | REVISED - |  |
|              |                | CHECKED -  | AWM | REVISED - |  |
| PLOT SCALE = | 0:2.0000 "/in. | DRAWN -    | AIM | REVISED - |  |
| PLOT DATE =  | 5/11/2022      | CHECKED -  | DRB | REVISED - |  |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOLDIER PILE TIE-BACK & DRAINAGE DETAILS  
 SLOPE STABILIZATION - IL 394 STA 611+00

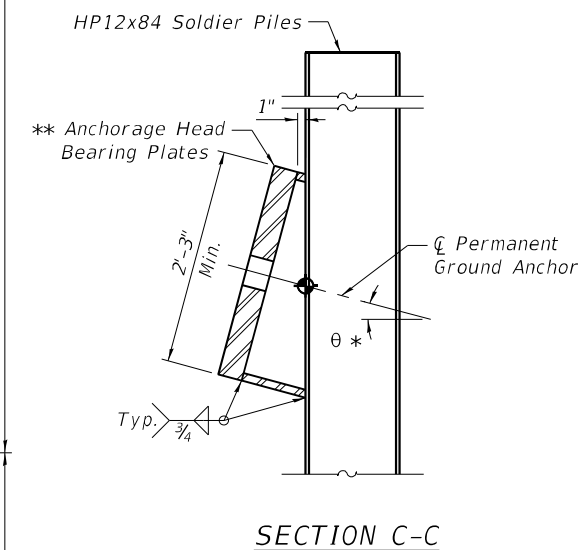
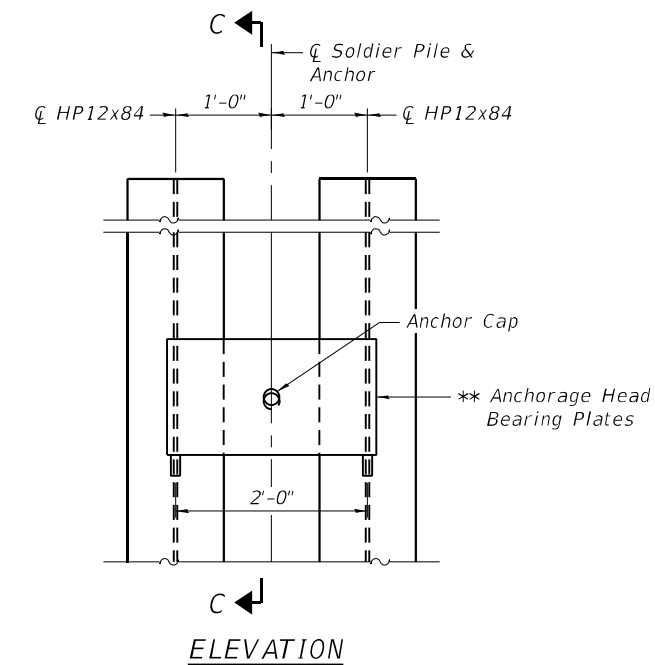
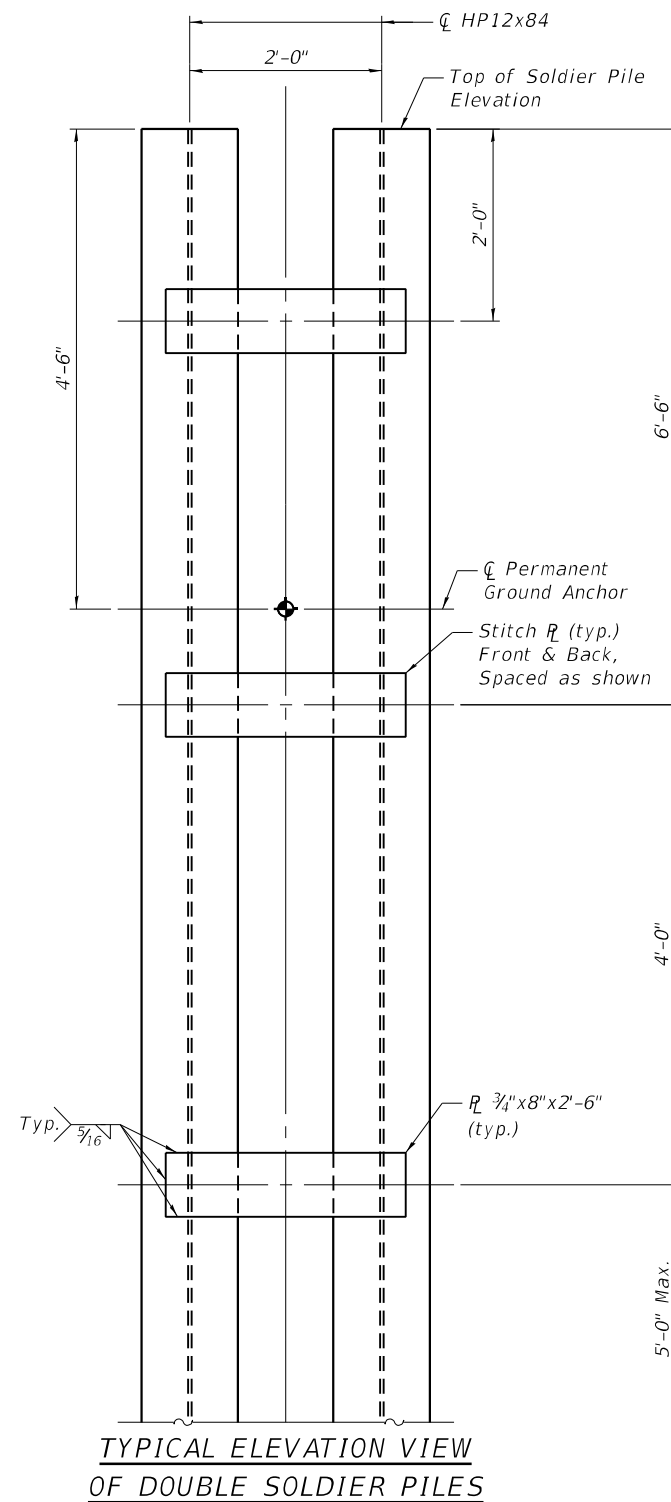
SHEET S3-5 OF S3-8 SHEETS

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|------------|--------|--------------------|-----------|
| *                         | 2020-257-T | WILL   | 83                 | 55        |
| * 876 & 332               |            |        | CONTRACT NO. 62N27 |           |
| ILLINOIS FED. AID PROJECT |            |        |                    |           |



\*\*\* Included in the cost of  
 Pipe Underdrains for  
 Structures.

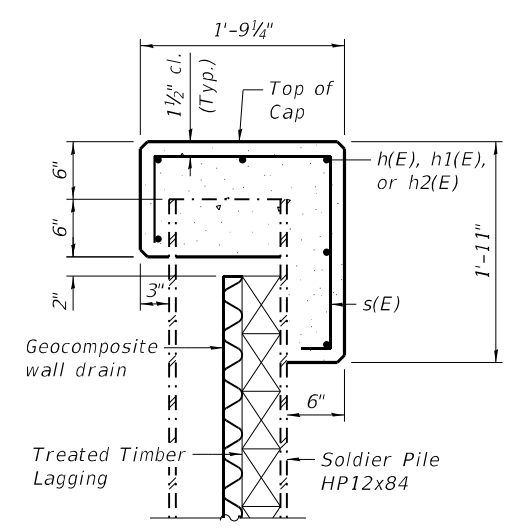
**PIPE UNDERDRAIN FOR STRUCTURES**



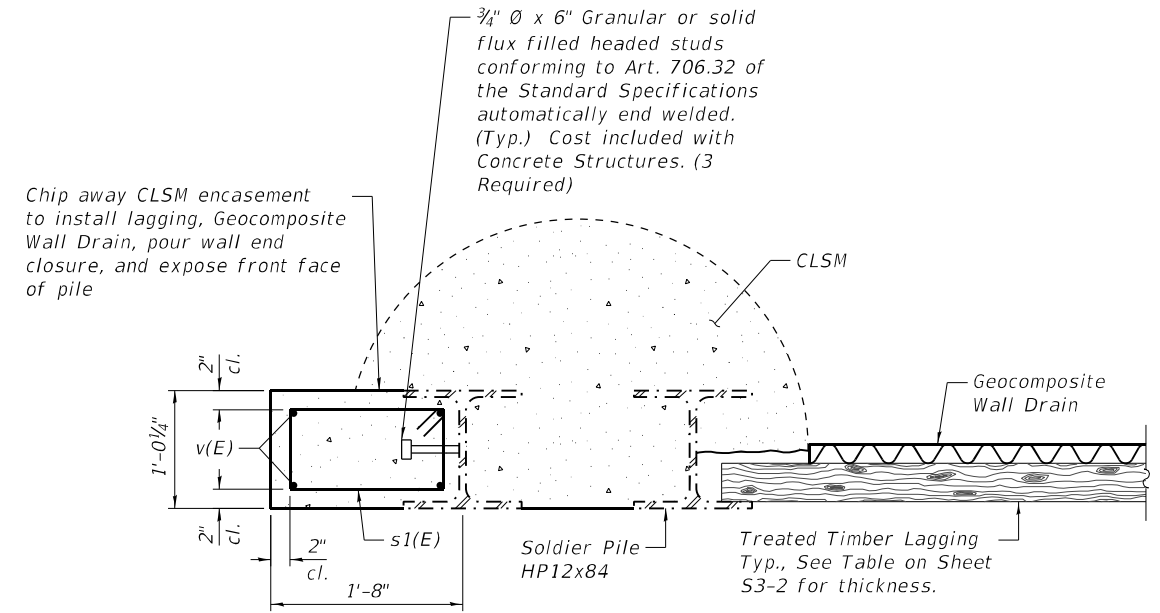
**SOLDIER PILE DETAILS**

- \* See Sheet S3-4 for Ground Anchor Summary Table
- \*\* Thickness and size to be provided by anchor manufacturer

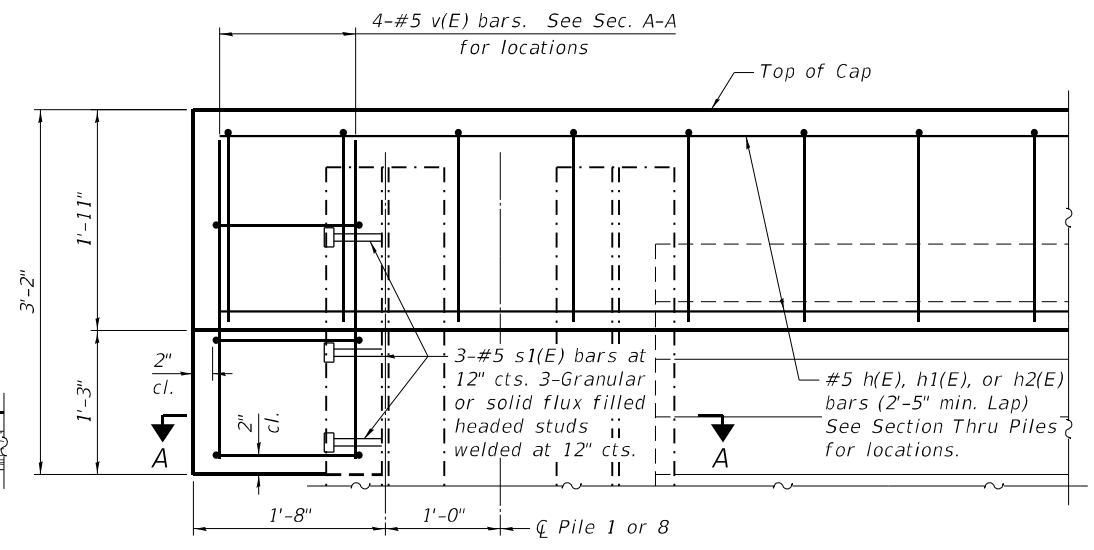
MODEL: Default  
 FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage\_Improvements\CADD\CADD Sheets\162N27-sht-53-6\_Wall Cap Details.dgn  
 5/11/2022 9:04:12 PM



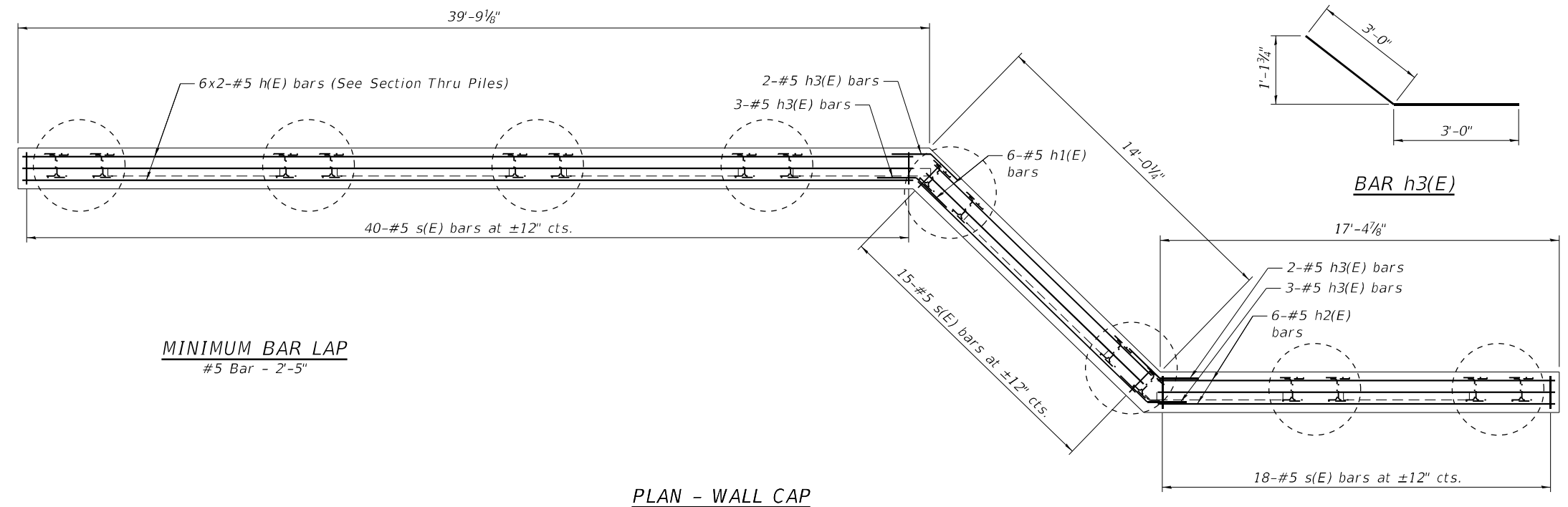
**SECTION THRU PILES**



**SECTION A-A**

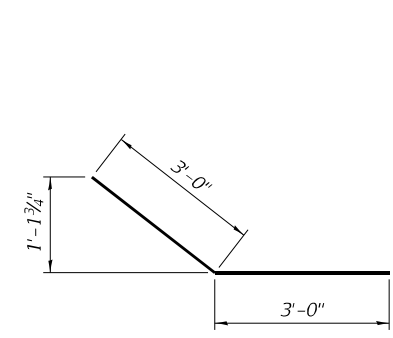


**TYPICAL END TREATMENT**

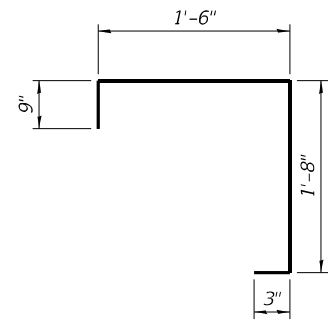


**PLAN - WALL CAP**

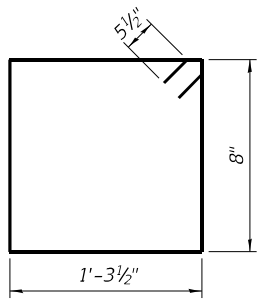
**MINIMUM BAR LAP**  
 #5 Bar - 2'-5"



**BAR h3(E)**



**BAR s(E)**



**BAR s1(E)**

**BILL OF MATERIAL**

| Bar                              | No. | Size | Length  | Shape |
|----------------------------------|-----|------|---------|-------|
| h(E)                             | 12  | #5   | 20'-8"  | ▬▬▬▬  |
| h1(E)                            | 6   | #5   | 13'-4"  | ▬▬▬▬  |
| h2(E)                            | 6   | #5   | 17'-3"  | ▬▬▬▬  |
| h3(E)                            | 10  | #5   | 6'-0"   | ▬▬▬▬  |
| s(E)                             | 73  | #5   | 4'-2"   | U     |
| s1(E)                            | 6   | #5   | 4'-10"  | □     |
| v(E)                             | 8   | #5   | 2'-10"  | ▬▬▬▬  |
| Concrete Structures              |     |      | Cu. Yd. | 6.1   |
| Reinforcement Bars, Epoxy Coated |     |      | Pound   | 890   |



|              |                |            |     |           |  |
|--------------|----------------|------------|-----|-----------|--|
| USER NAME =  | wmohammed      | DESIGNED - | KWB | REVISED - |  |
| PLOT SCALE = | 0:2.0000" = 1" | CHECKED -  | AWM | REVISED - |  |
| PLOT DATE =  | 5/11/2022      | DRAWN -    | AIM | REVISED - |  |
|              |                | CHECKED -  | DRB | REVISED - |  |

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

**WALL CAP DETAILS**  
**SLOPE STABILIZATION - IL 394 STA 611+00**

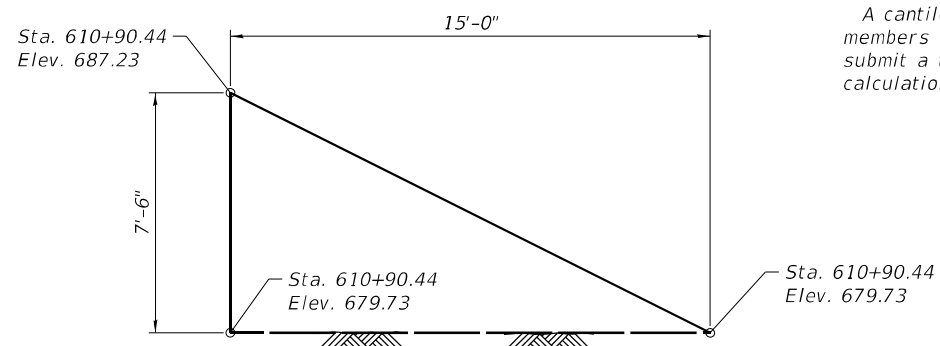
SHEET S3-6 OF S3-8 SHEETS

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *                         | 2020-257-T | WILL   | 83                 | 56        |
| * 876 & 332               |            |        | CONTRACT NO. 62N27 |           |
| ILLINOIS FED. AID PROJECT |            |        |                    |           |

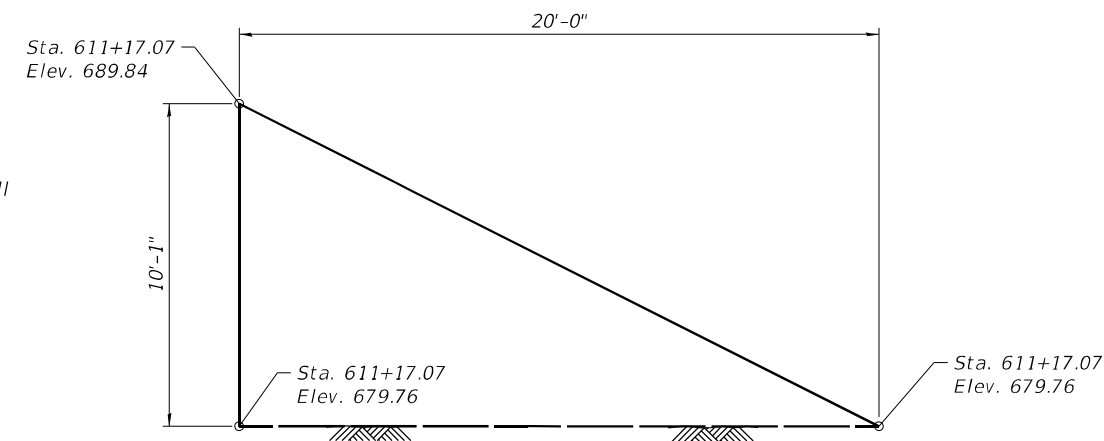


**NOTES**

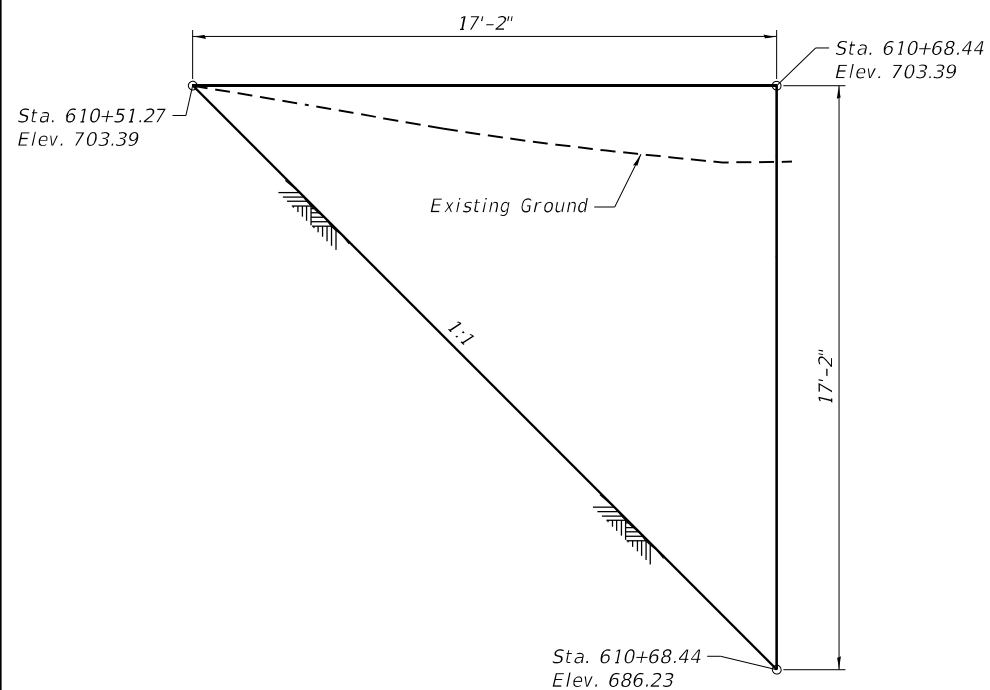
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



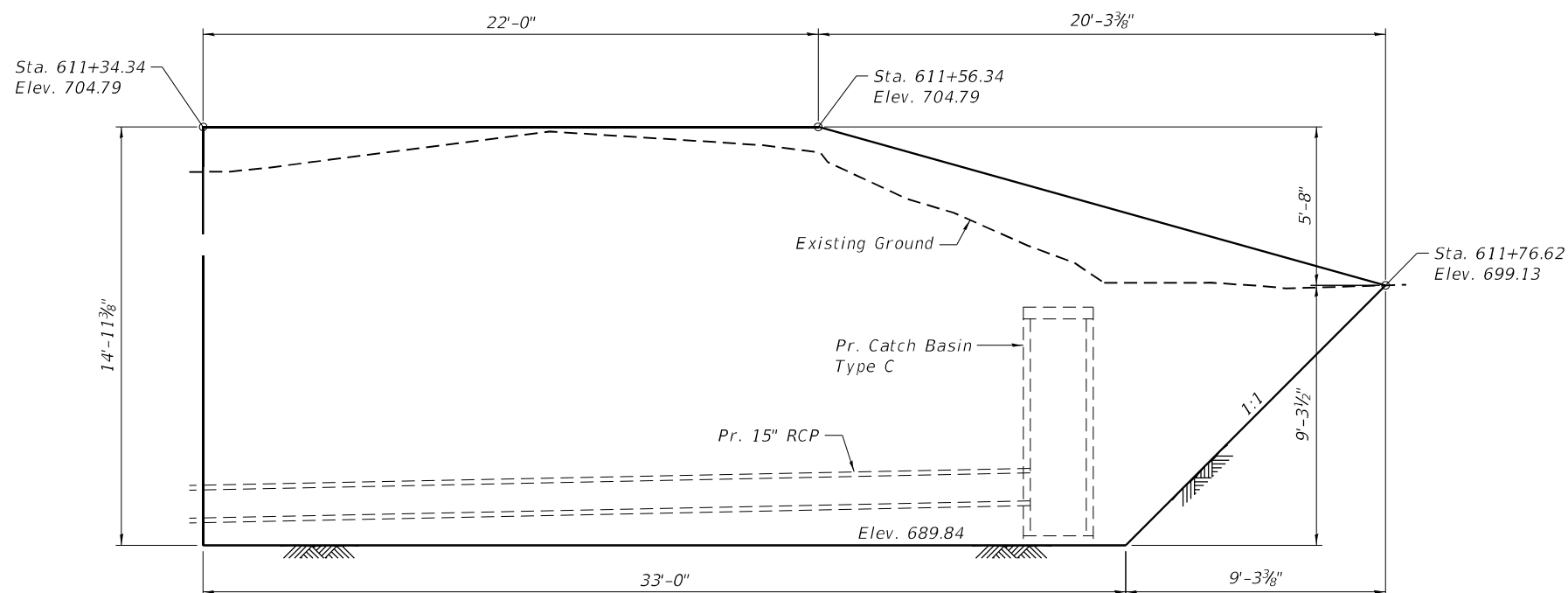
**TEMPORARY SOIL RETENTION SYSTEM  
ADJACENT TO PILE 3**



**TEMPORARY SOIL RETENTION SYSTEM  
ADJACENT TO PILE 6**



**TEMPORARY SOIL RETENTION SYSTEM**



**TEMPORARY SOIL RETENTION SYSTEM**

MODEL: Default  
FILE NAME: S:\2019\191028\_PTB191\_002\WO 17\_62N27\_Drainage\_Improvements\CADD\_Sheets\162N27-sht-53-7\_TSR.dgn



QUIGG ENGINEERING INC

|              |                 |            |     |           |  |
|--------------|-----------------|------------|-----|-----------|--|
| USER NAME =  | rgoertz         | DESIGNED - | KWB | REVISED - |  |
| PLOT SCALE = | 0:2,0000 "/ in. | CHECKED -  | AWM | REVISED - |  |
| PLOT DATE =  | 6/20/2022       | DRAWN -    | AIM | REVISED - |  |
|              |                 | CHECKED -  | DRB | REVISED - |  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMP. SOIL RETENTION SYSTEM  
SLOPE STABILIZATION - IL 394 STA 611+00

SHEET S3-7 OF S3-8 SHEETS

|             |            |                           |                    |           |
|-------------|------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| *           | 2020-257-T | WILL                      | 83                 | 57        |
| * 876 & 332 |            |                           | CONTRACT NO. 62N27 |           |
|             |            | ILLINOIS FED. AID PROJECT |                    |           |

6/20/2022 9:11:29 PM



SOIL BORING LOG

Date 1/28/21

ROUTE IL Route 394 DESCRIPTION IDOT PTB 191-002 Culvert Repair LOGGED BY MH

SECTION LOCATION 1050 ft. South of Exchange St., SEC., TWP., RNG.,

Latitude 41.4151118, Longitude -87.6295344

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

Table with columns: DEPTH, BLOW, UCS, MOIST, Surface Water Elev., Stream Bed Elev., Groundwater Elev., First Encounter, Upon Completion, After, N/A Hrs., and soil descriptions.

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)

BBS, form 137 (Rev. 8-99)

SOIL BORING B-2



SOIL BORING LOG

Date 1/28/21

ROUTE IL Route 394 DESCRIPTION IDOT PTB 191-002 Culvert Repair LOGGED BY MH

SECTION LOCATION 1050 ft. South of Exchange St., SEC., TWP., RNG.,

Latitude 41.4151118, Longitude -87.6295344

COUNTY WILL DRILLING METHOD HSA HAMMER TYPE AUTO

Table with columns: DEPTH, BLOW, UCS, MOIST, Surface Water Elev., Stream Bed Elev., Groundwater Elev., First Encounter, Upon Completion, After, N/A Hrs., and soil descriptions.

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)

BBS, form 137 (Rev. 8-99)

SOIL BORING B-2

MODEL: Default FILE NAME: S:\2019\191028\_PTB191\_002\W0\_17\_62N27\_Drainage\_Improvements\CADD\_Sheets\D162N27-shf+5-3-8\_Soil Borings.dgn



Table with columns: USER NAME, DESIGNED, CHECKED, PLOT SCALE, PLOT DATE, REVISED, DRAWN, CHECKED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS SLOPE STABILIZATION - IL 394 STA 611+00

SHEET S3-8 OF S3-8 SHEETS

Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

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

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

MODEL: IL\_L\_3\_34  
 FILE NAME: S:\2020\191101028\_PTB\91\_002\WO\_17\_62N27\_Drainage\_Improvements\CADD\_Sheets\162N27-shc-X5 Loc 1-1 IL 11.dwg



QUIGG ENGINEERING INC

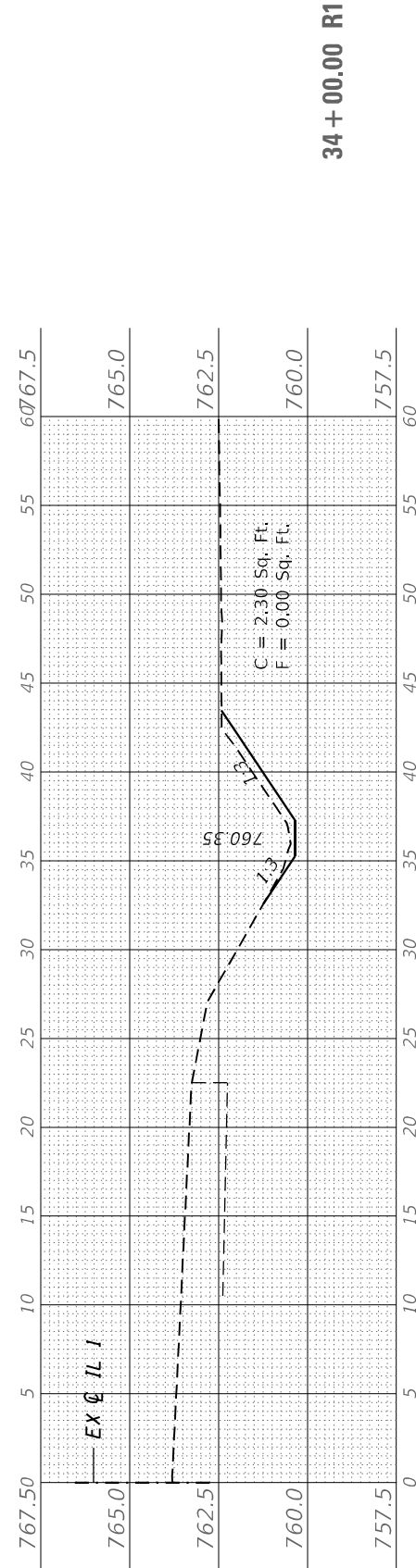
|                              |                   |           |
|------------------------------|-------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - RG     | REVISED - |
| DRAWN - RG                   | CHECKED - DRB     | REVISED - |
| PLOT SCALE = 10,0000 * / in. | DATE - 05/11/2022 | REVISED - |
| PLOT DATE = 5/11/2022        |                   |           |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

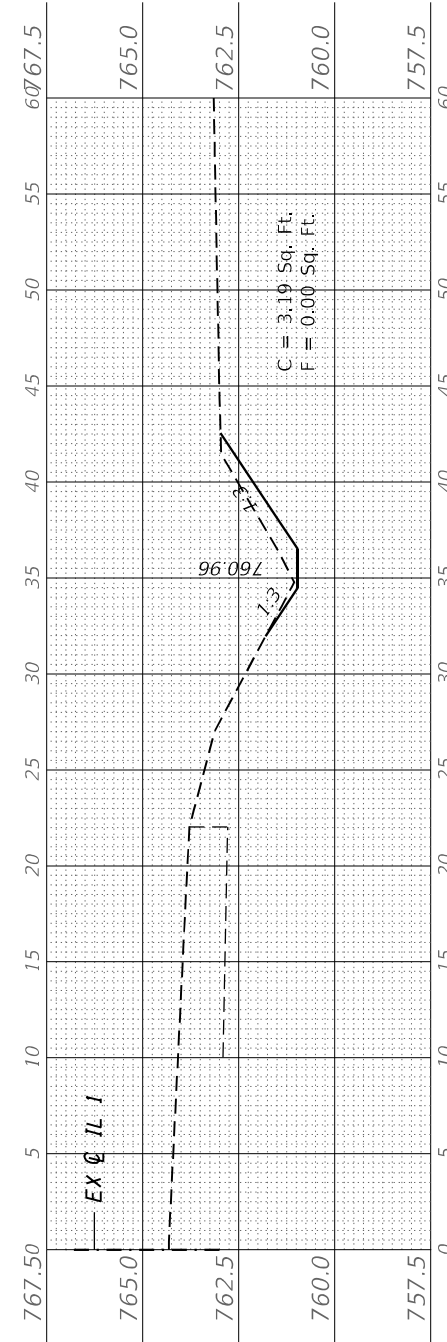
SCALE: SHEET OF SHEETS STA. 33+00.00 R1 TO STA. 34+00.00 R1

CROSS SECTIONS  
 LOCATION 1  
 IL 1, N. OF IL 394 TO BURVILLE RD

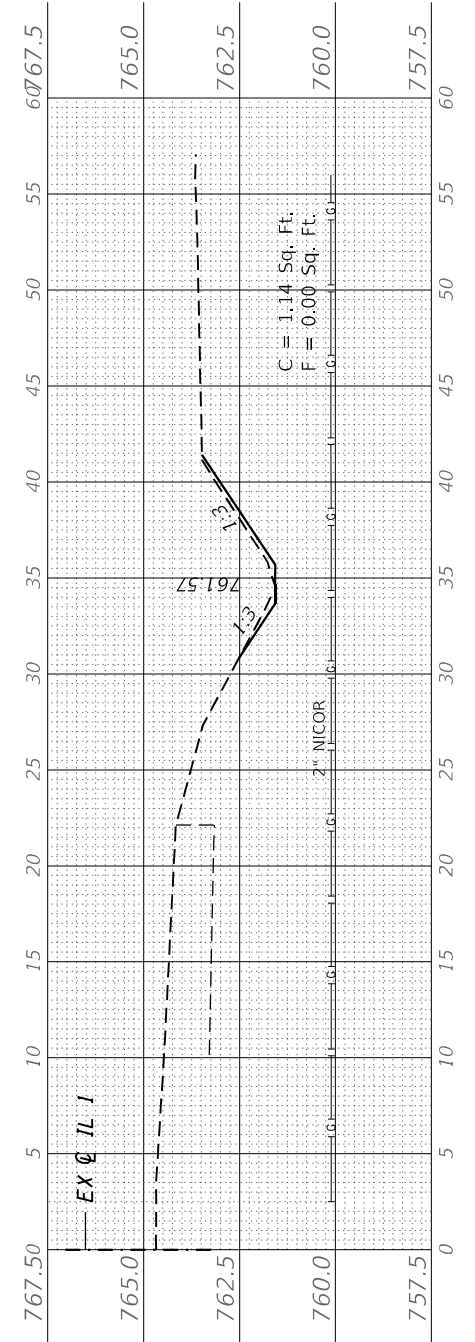
|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| * 876 & 332        | 2020-257-T | WILL   | 83                        | 59        |
| CONTRACT NO. 62N27 |            |        | ILLINOIS FED. AID PROJECT |           |



34 + 00.00 R1



33 + 50.00 R1



33 + 00.00 R1

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

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

MODEL: IL\_1\_N\_44  
 FILE NAME: S:\2020\191101028\_PTB\91\_003\WO 17 62N27 Drainage Improvements\CA\DCADD\_Sheets\162N27.ctb\X5 Loc 1-1 IL 1.dwg



QUIGG ENGINEERING INC

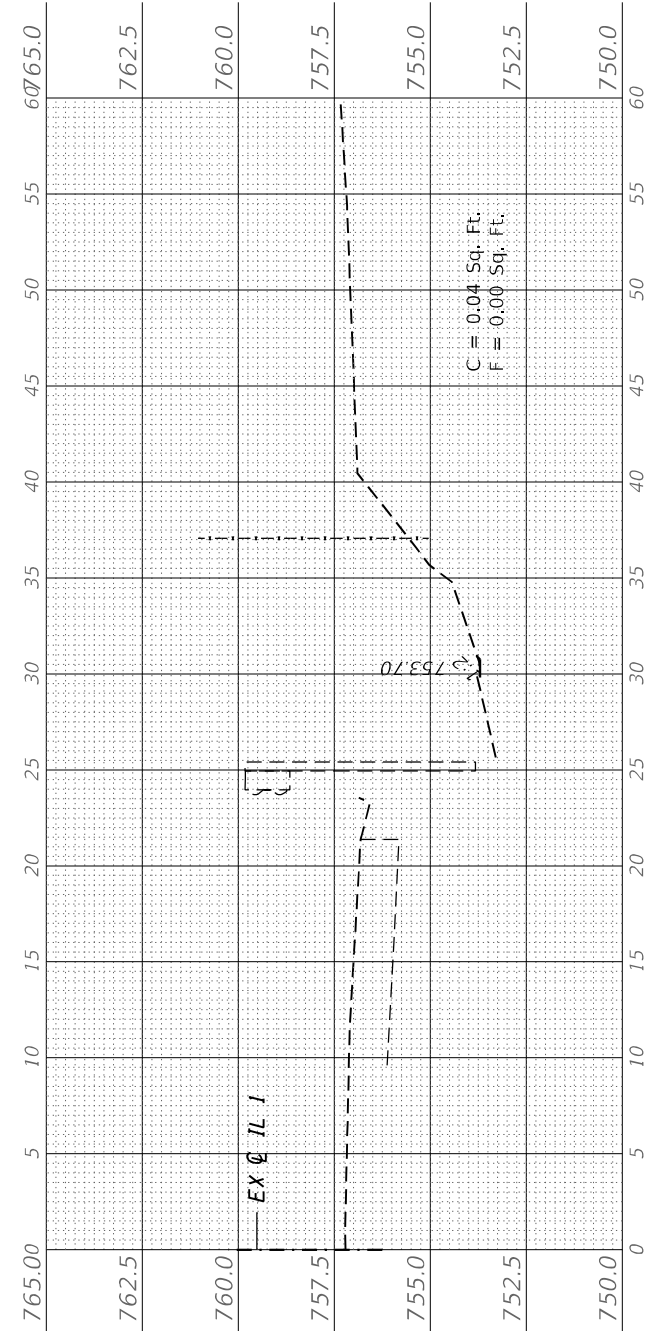
|              |                 |            |            |           |  |
|--------------|-----------------|------------|------------|-----------|--|
| USER NAME =  | wmohammed       | DESIGNED - | RG         | REVISED - |  |
|              |                 | DRAWN -    | RG         | REVISED - |  |
| PLOT SCALE = | 10,0000 * / in. | CHECKED -  | DRB        | REVISED - |  |
| PLOT DATE =  | 5/11/2022       | DATE -     | 05/11/2022 | REVISED - |  |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

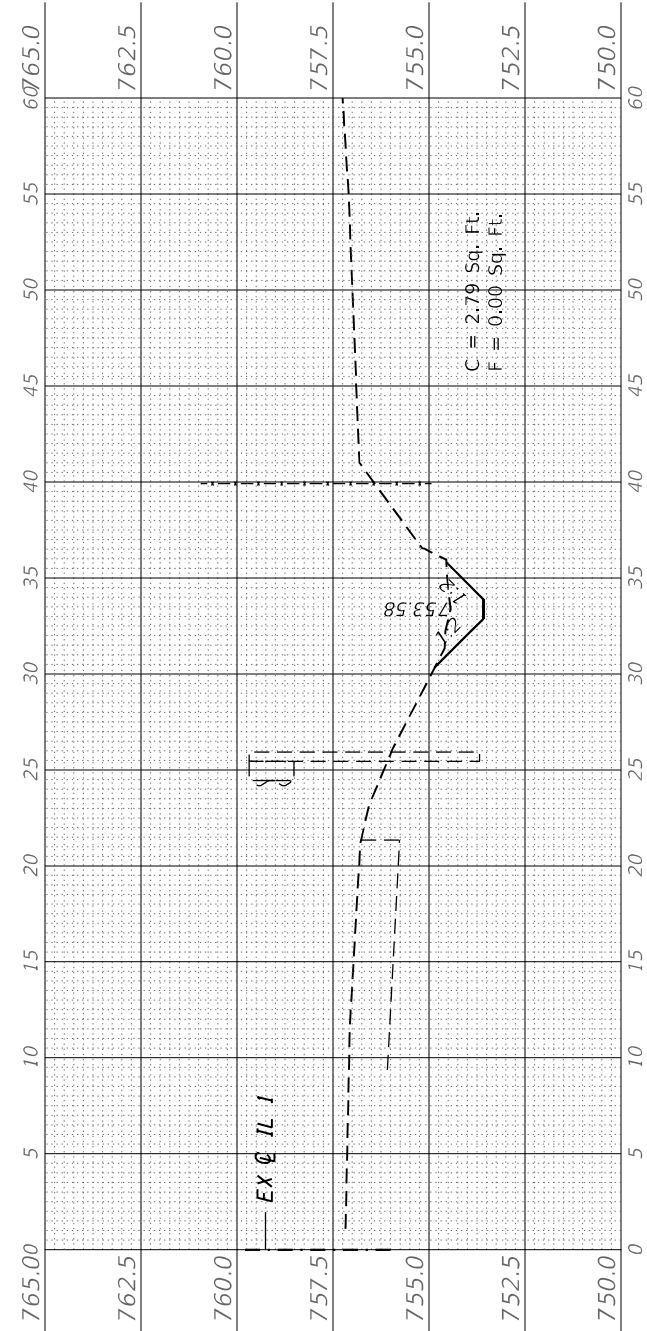
SCALE: SHEET OF SHEETS STA. 42+00.00 R1 TO STA. 43+16.05 R1

CROSS SECTIONS  
 LOCATION 1  
 IL 1, N. OF IL 394 TO BURVILLE RD

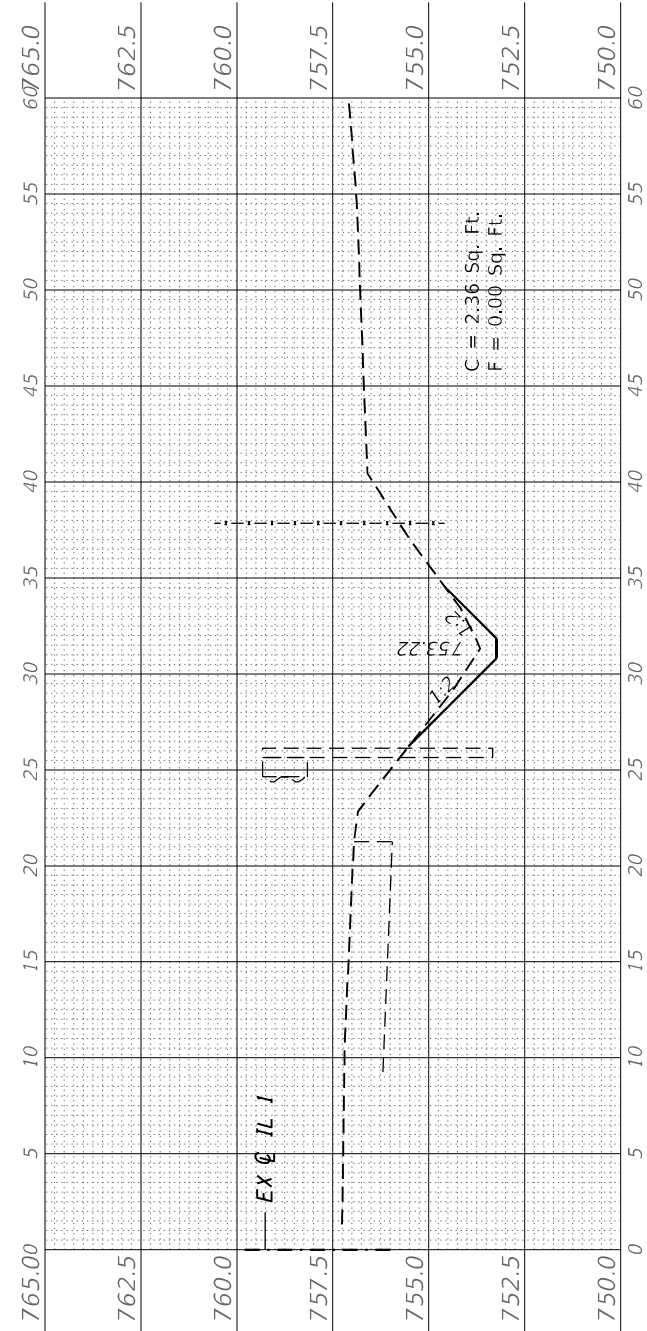
|             |            |                  |                    |           |
|-------------|------------|------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY           | TOTAL SHEETS       | SHEET NO. |
|             | 2020-257-T | WILL             | 83                 | 60        |
| *876 & 332  |            |                  | CONTRACT NO. 62N27 |           |
|             | ILLINOIS   | FED. AID PROJECT |                    |           |



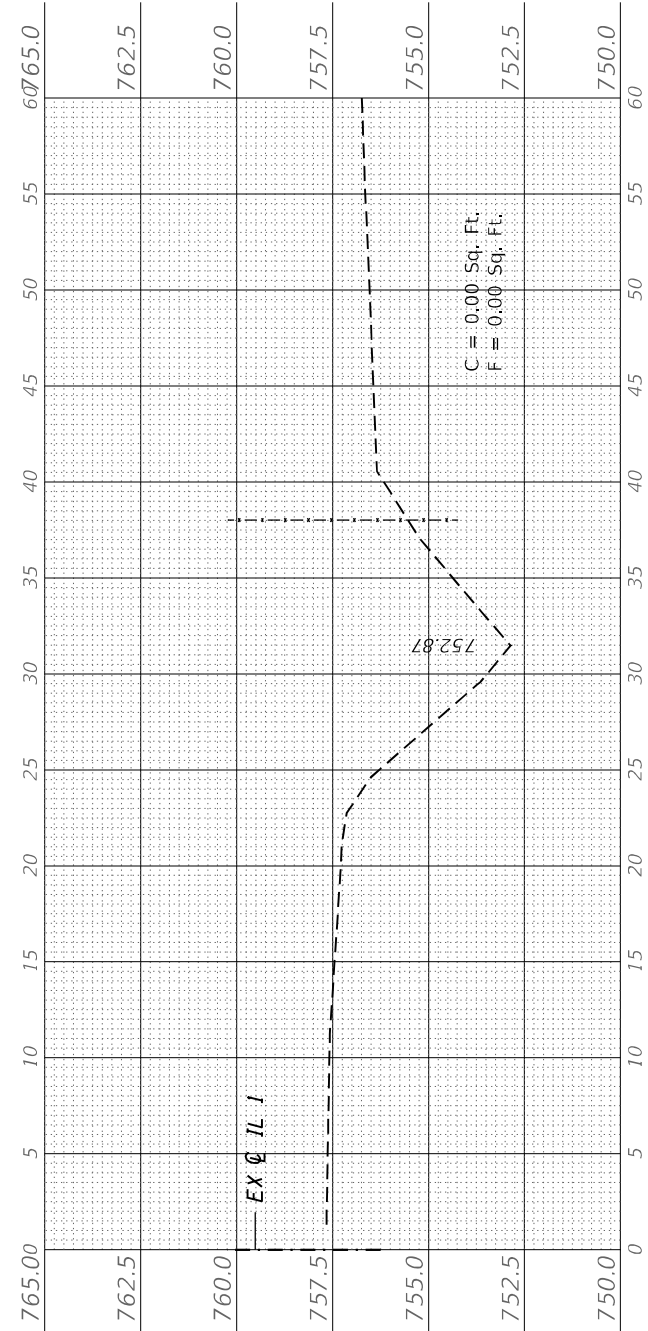
43 + 16.05 R1



43 + 00.00 R1



42 + 50.00 R1



42 + 00.00 R1

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

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

MODEL: IL\_1\_N\_4\_44  
 FILE NAME: S:\2022\191101028\_PTB\91\_1003\WO\_17\_62N27\_Drainage\_Improvements\CADD\_Sheets\62N27-shc-XS Loc 1-11 IL1.dgn



QUIGG ENGINEERING INC

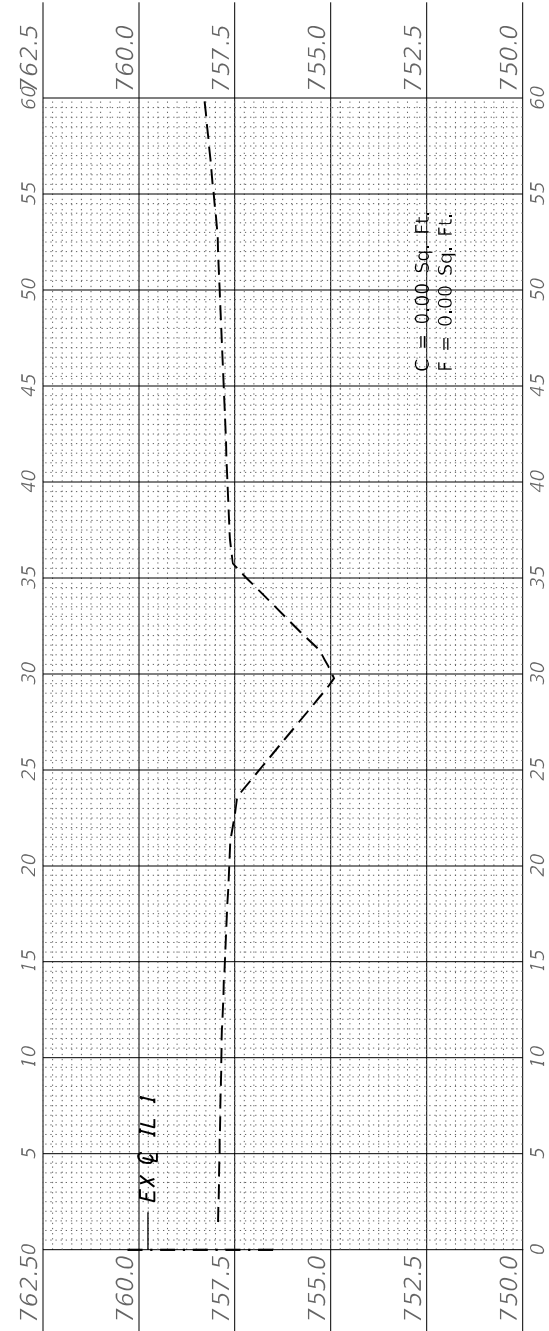
|                              |                   |           |
|------------------------------|-------------------|-----------|
| USER NAME = wnohanned        | DESIGNED - RG     | REVISED - |
|                              | DRAWN - RG        | REVISED - |
| PLOT SCALE = 10,0000 * / in. | CHECKED - DRB     | REVISED - |
| PLOT DATE = 5/11/2022        | DATE - 05/11/2022 | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

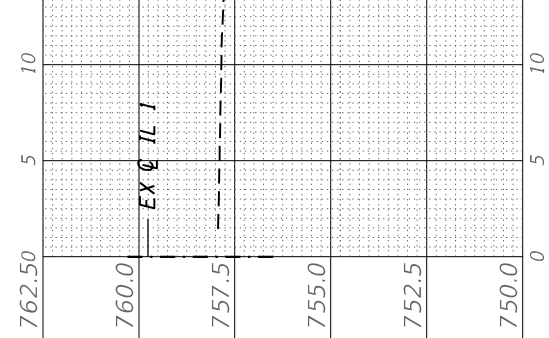
CROSS SECTIONS  
 LOCATION 1  
 IL 1, N. OF IL 394 TO BURVILLE RD

SCALE: SHEET OF SHEETS STA. 43+50.00 R1 TO STA. 44+00.00 R1

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *876 & 332                | 2020-257-T | WILL   | 83                 | 61        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 62N27 |           |



44 + 00.00 R1

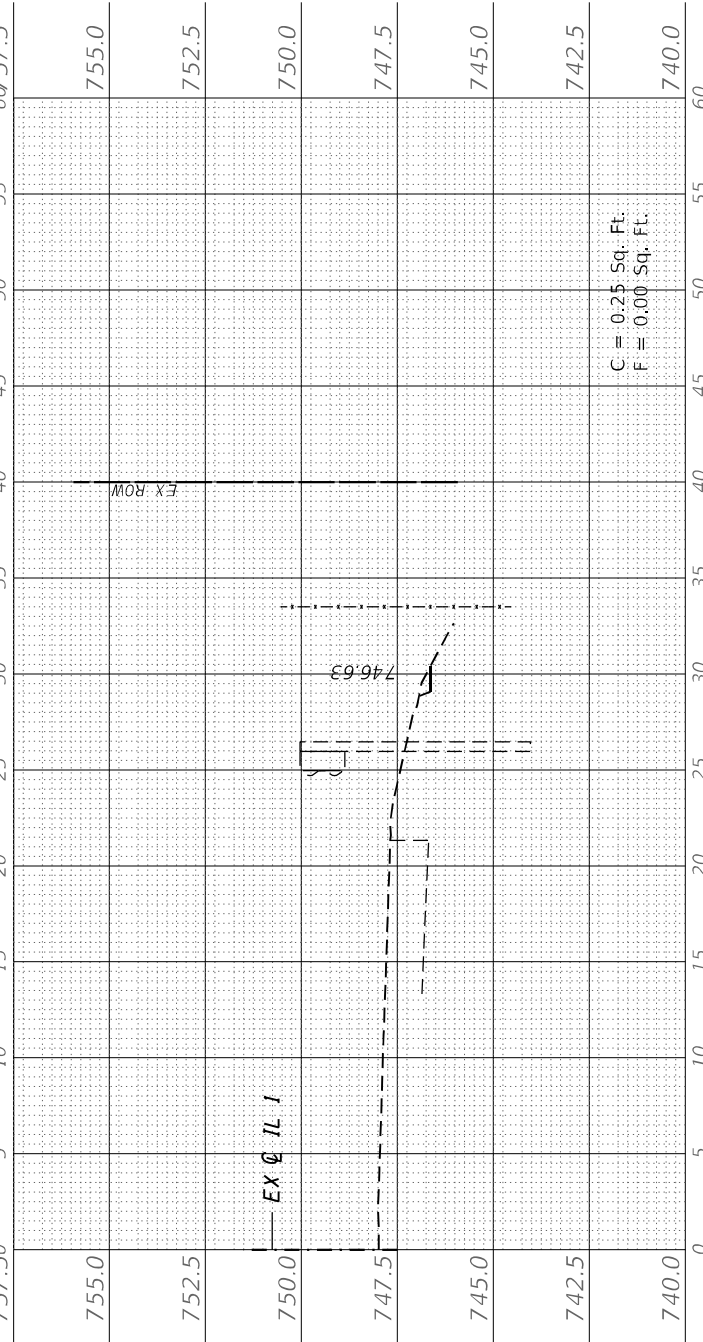


43 + 50.00 R1

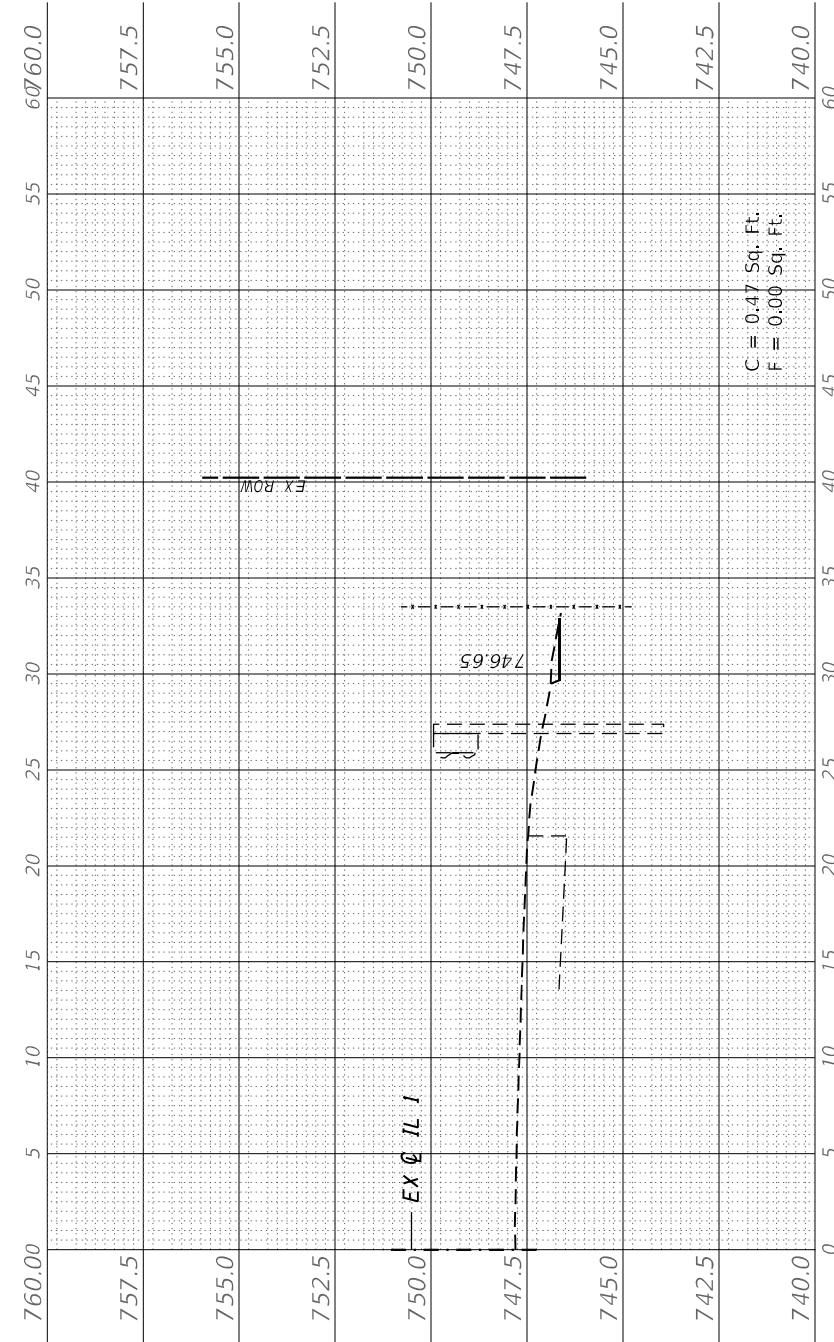
MODEL: IL\_IL\_17-75  
 FILE NAME: S:\2022\1911028\_PTB\91\_003\WO 17 62\27 Drainage Improvements\CA\DCADD\_Sheets\1627027.dwg; Loc: 1-IL\_IL\_17.dwg

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

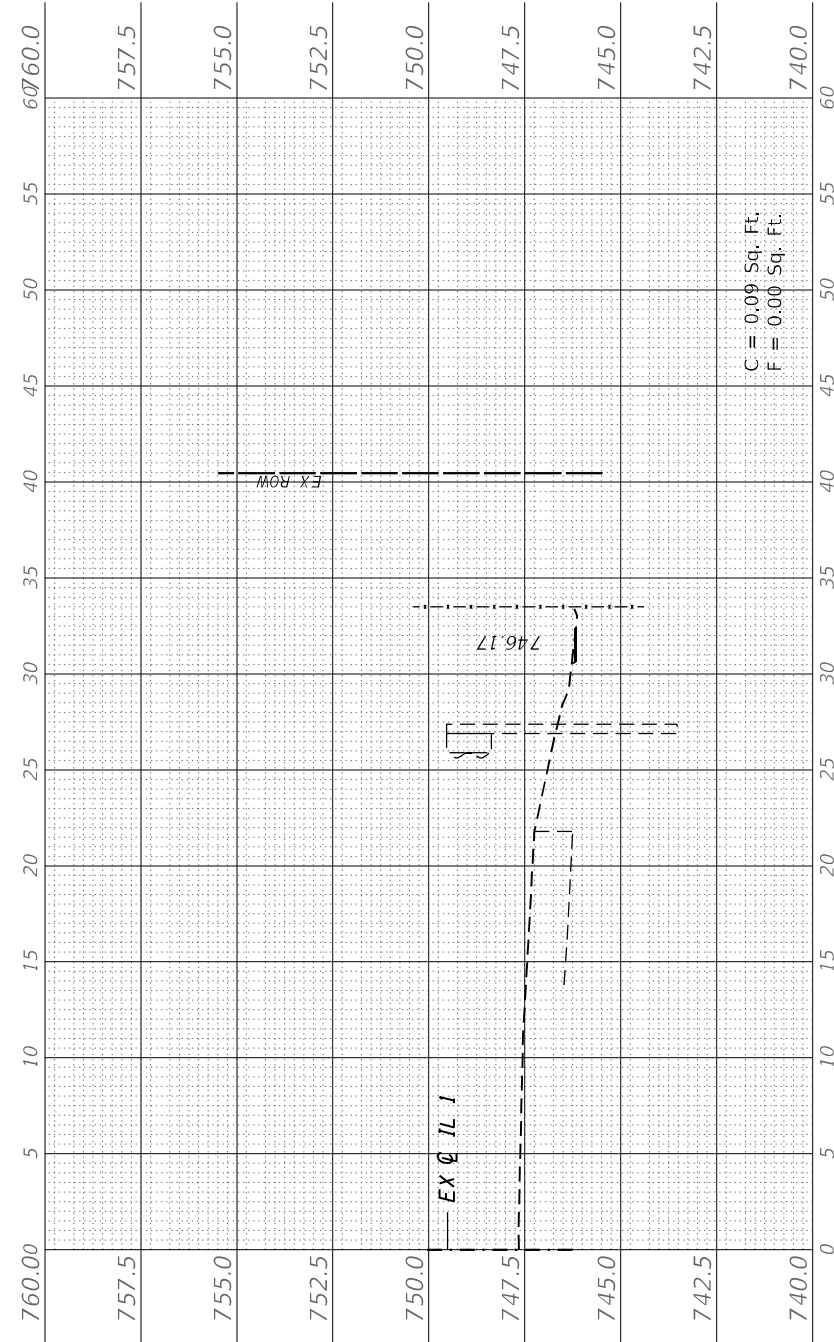
|                     |                                |    |      |
|---------------------|--------------------------------|----|------|
| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
| NOTE BOOK           | TEMPLATE                       |    |      |
| AREAS CHECKED       | 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



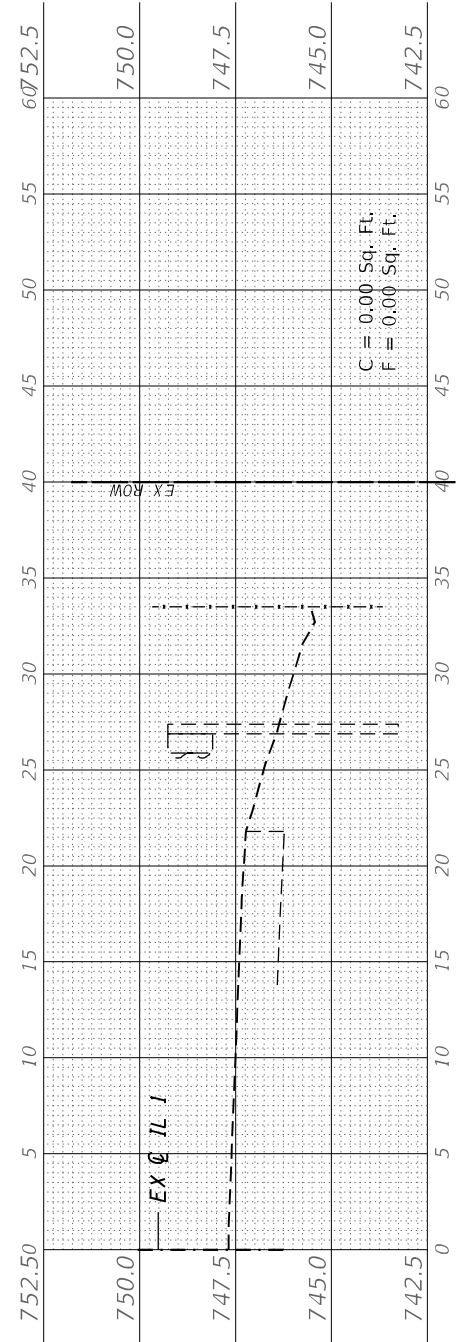
73 + 67.78 R1



73 + 41.67 R1



73 + 00.00 R1



72 + 47.43 R1



|                             |                   |           |
|-----------------------------|-------------------|-----------|
| USER NAME = wnohamed        | DESIGNED - RG     | REVISIONS |
| PLOT SCALE = 10,000 * / in. | DRAWN - RG        | REVISIONS |
| PLOT DATE = 5/11/2022       | CHECKED - DRB     | REVISIONS |
|                             | DATE - 05/11/2022 | REVISIONS |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

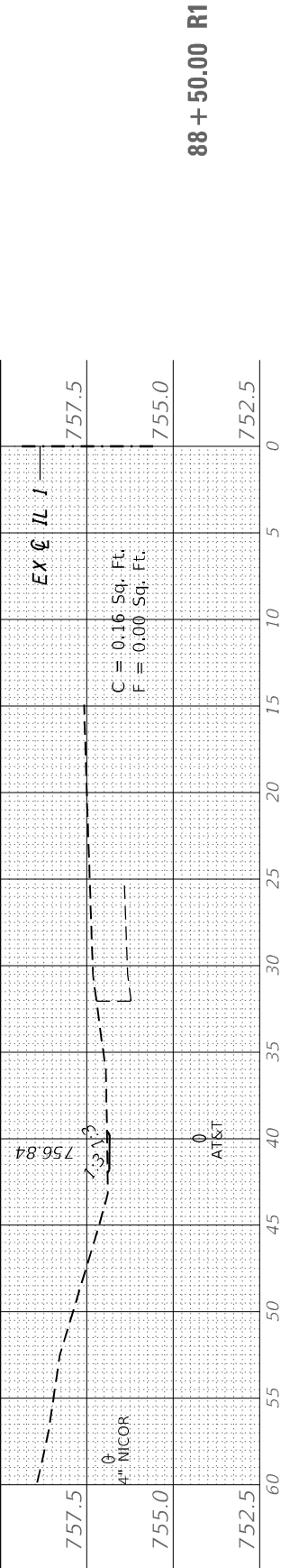
|  |                                      |
|--|--------------------------------------|
| <b>CROSS SECTIONS</b>                    |                                      |
| <b>LOCATION 2</b>                        |                                      |
| <b>IL 1, N. OF IL 394 TO BURVILLE RD</b> |                                      |
| SCALE:                                   | SHEET OF SHEETS                      |
|  | STA. 72+47.43 R1 TO STA. 73+67.78 R1 |

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *876 & 332                | 2020-257-T | WILL   | 83                 | 62        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 62N27 |           |

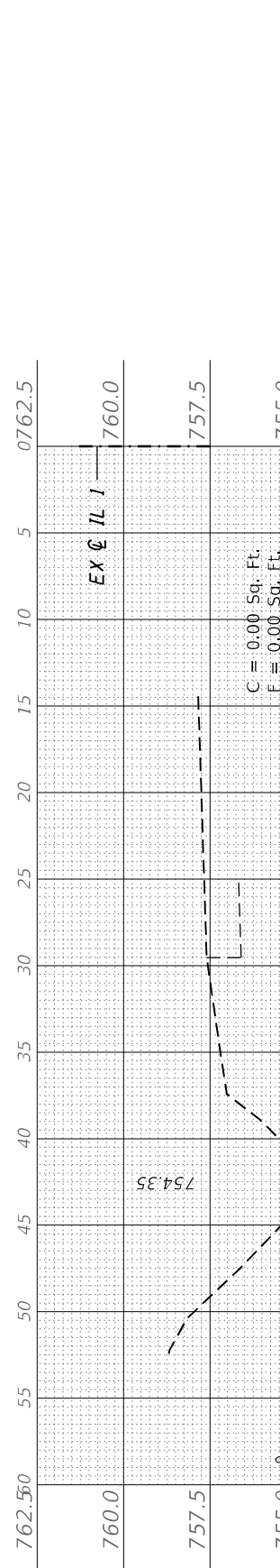
|              |               |    |      |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED      | BY | DATE |
| NOTE BOOK    | PLOTTED       |    |      |
| NO.          | TEMPLATE      |    |      |
|              | AREAS CHECKED |    |      |
|              | AREAS CHECKED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

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

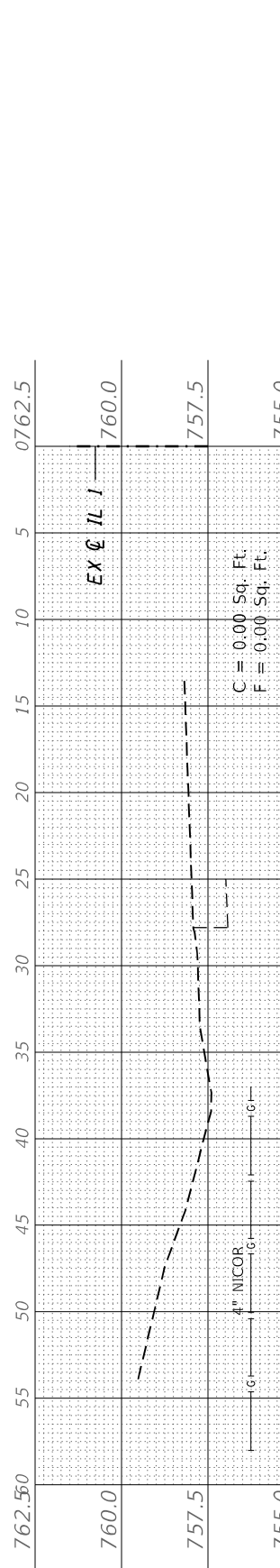
MODEL: IL\_1\_N\_86-92  
 FILE NAME: S:\2020\191101028\_PTB\91\_005\WO 17 62N27 Drainage Improvements\CAADD\_Sheets\162N27.ctb\AS Loc 1-11\_11.dwg



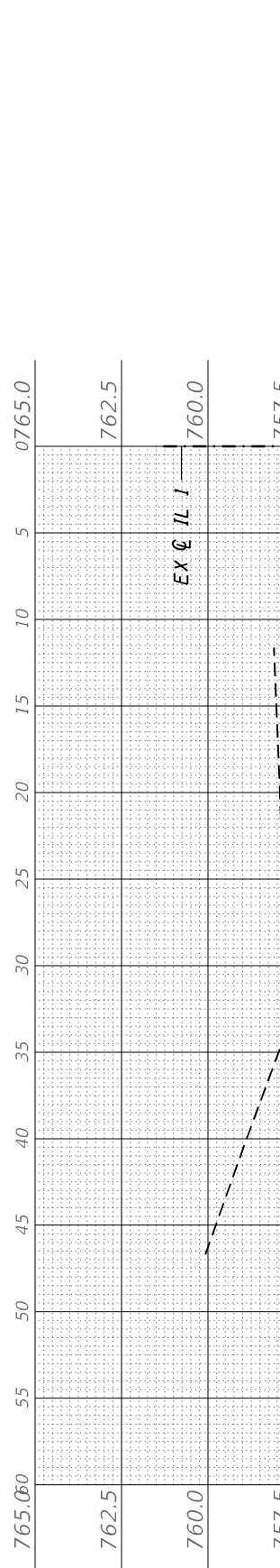
88 + 50.00 R1



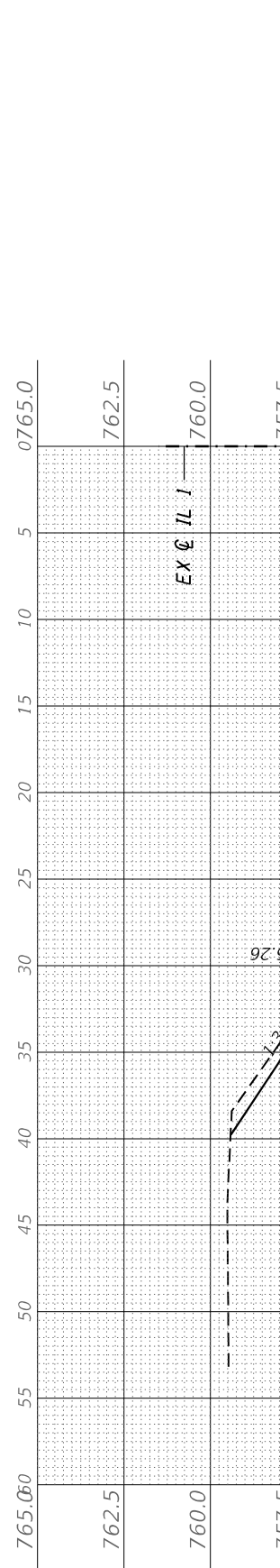
88 + 30.00 R1



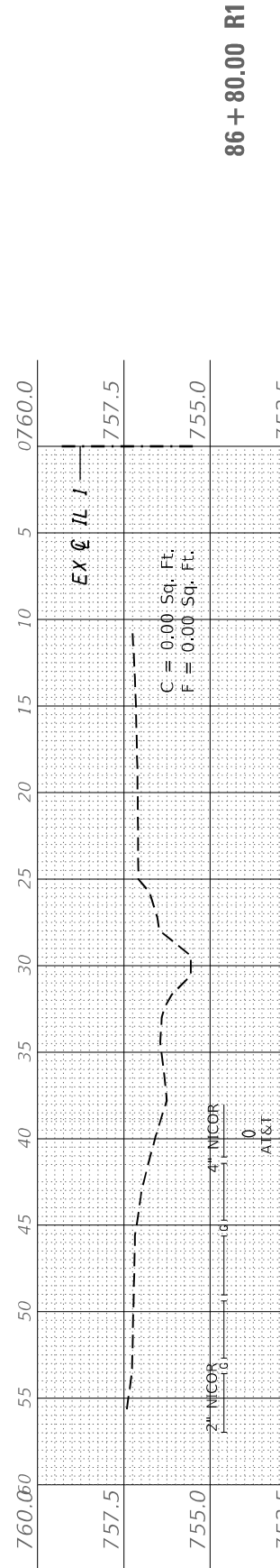
88 + 00.00 R1



87 + 50.00 R1



87 + 00.00 R1



86 + 80.00 R1



QUIGG ENGINEERING INC

|               |                |
|---------------|----------------|
| USER NAME =   | wmohammed      |
| DESIGNED -    | RG             |
| DRAWN -       | RG             |
| PLLOT SCALE = | 10,0000' / in. |
| CHECKED -     | DRB            |
| PLLOT DATE =  | 5/11/2022      |
| DATE -        | 05/11/2022     |

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

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

SCALE: SHEET OF SHEETS STA. 86+80.00 R1 TO STA. 88+50.00 R1

|             |            |                  |                    |           |
|-------------|------------|------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY           | TOTAL SHEETS       | SHEET NO. |
|             | 2020-257-T | WILL             | 83                 | 63        |
| *876 & 332  |            |                  | CONTRACT NO. 62N27 |           |
|             | ILLINOIS   | FED. AID PROJECT |                    |           |

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

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

MODEL: IL\_1\_N\_86-92  
 FILE NAME: S:\2020\191101028\_PTB19\_1003\WO 17 62827 Drainage Improvements\CA\DCADD\_Sheets\162827-ctb-XS Loc 1-4\_11.dwg



QUIGG ENGINEERING INC

|             |                  |
|-------------|------------------|
| USER NAME   | = wnohammad      |
| DESIGNED    | - RG             |
| DRAWN       | - RG             |
| PLLOT SCALE | = 10,0000 */ in. |
| CHECKED     | - DRB            |
| PLLOT DATE  | = 5/11/2022      |
| DATE        | - 05/11/2022     |

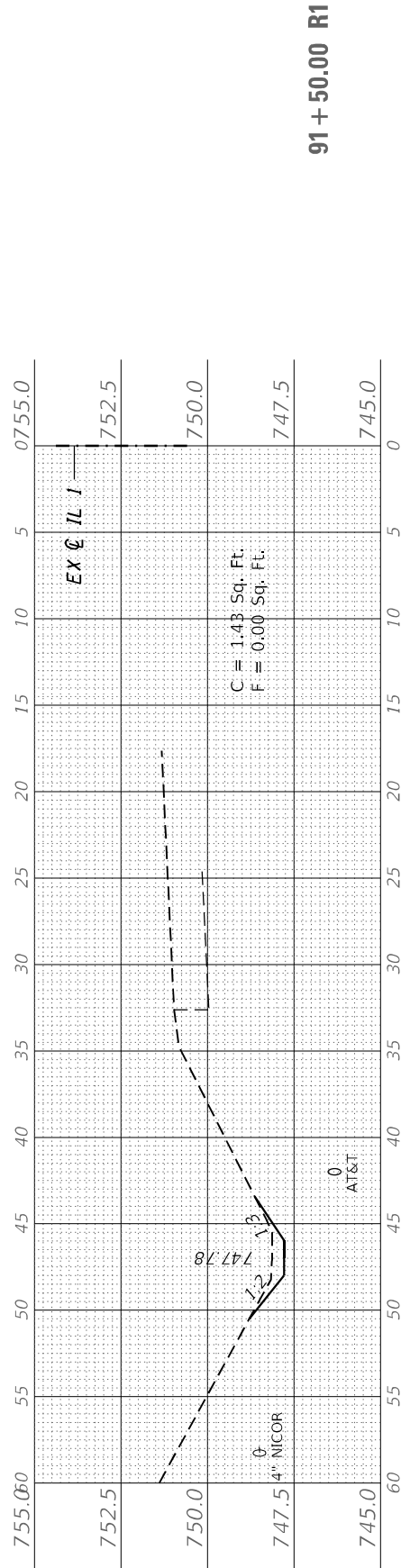
|        |   |
|--------|---|
| REVISD | - |
| REVISD | - |
| REVISD | - |
| REVISD | - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

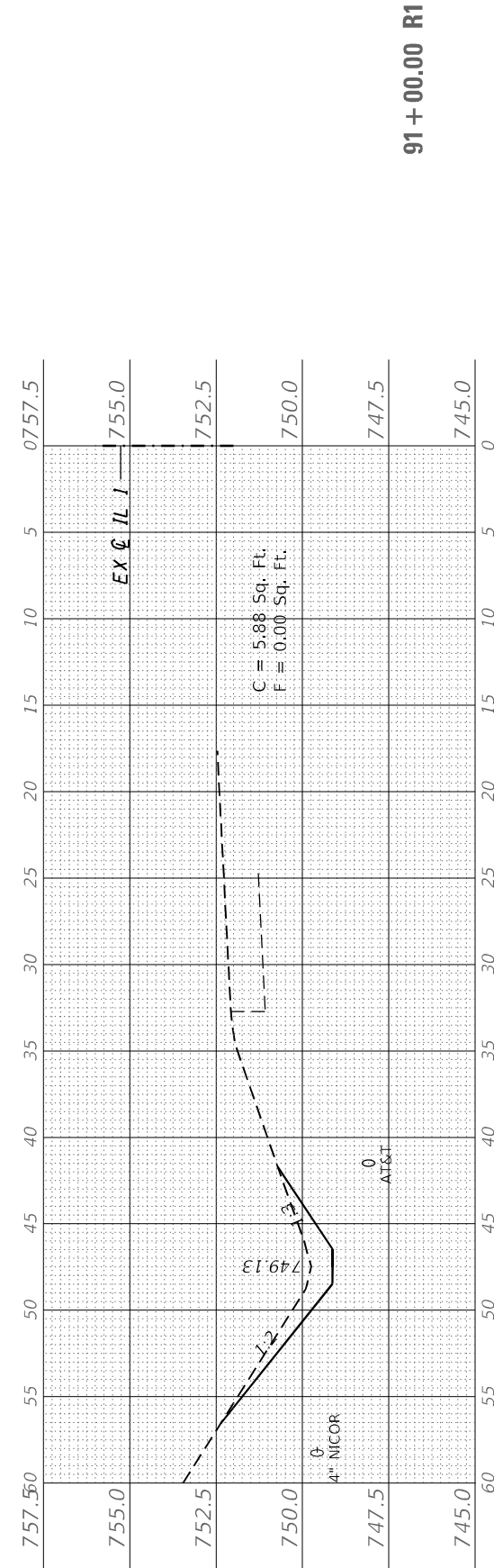
SCALE: SHEET OF SHEETS STA. 89+00.00 R1 TO STA. 91+50.00 R1

CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

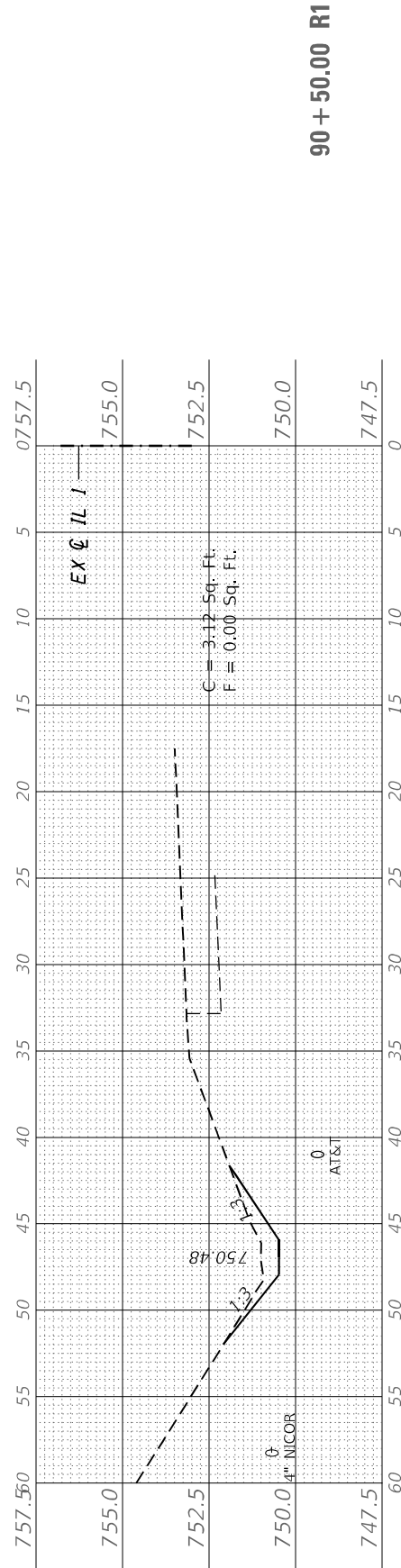
|             |                    |                  |              |           |
|-------------|--------------------|------------------|--------------|-----------|
| F.A.P. RTE. | SECTION            | COUNTY           | TOTAL SHEETS | SHEET NO. |
|             | 2020-257-T         | WILL             | 83           | 64        |
| *876 & 332  | CONTRACT NO. 62N27 |                  |              |           |
| ILLINOIS    |                    | FED. AID PROJECT |              |           |



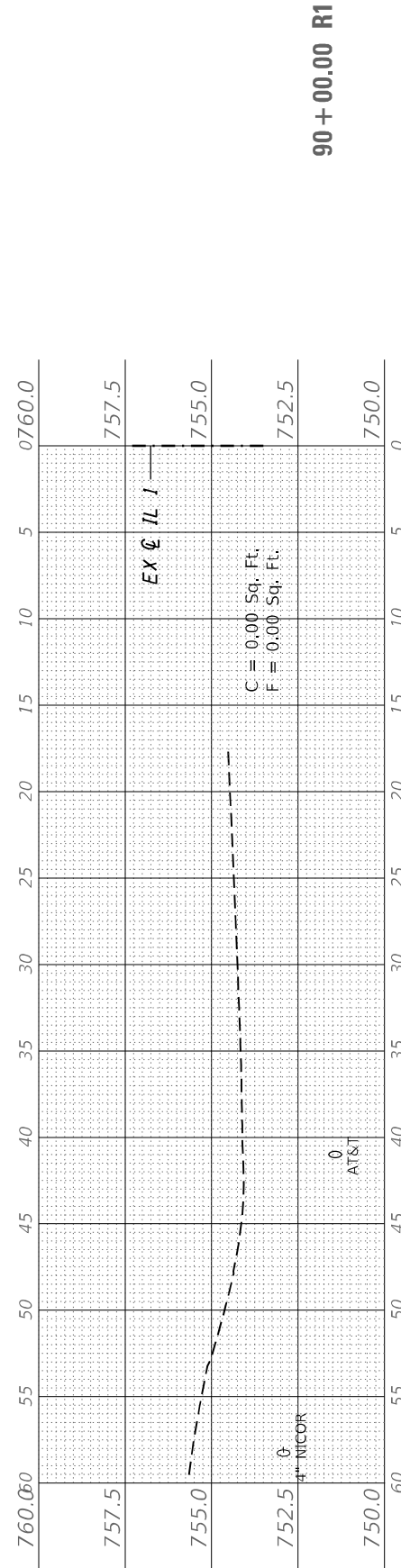
91 + 50.00 R1



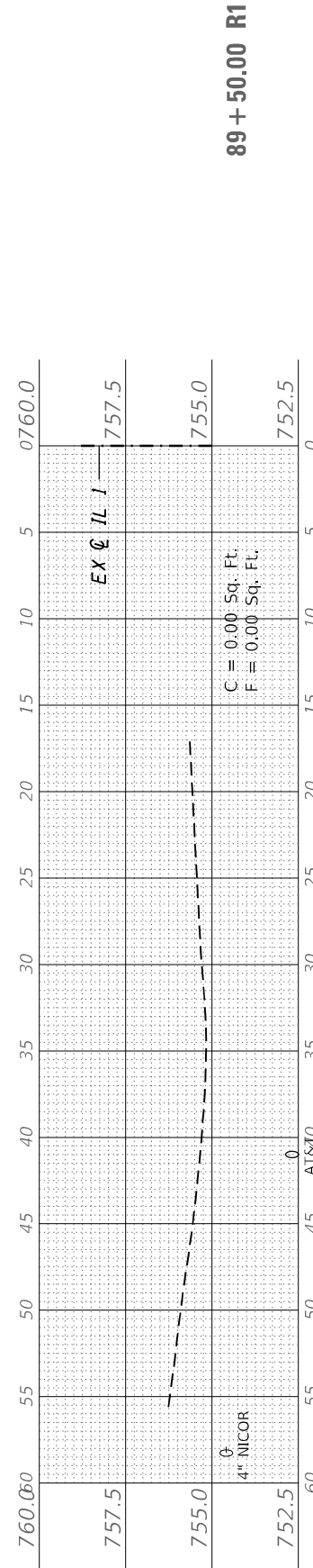
91 + 00.00 R1



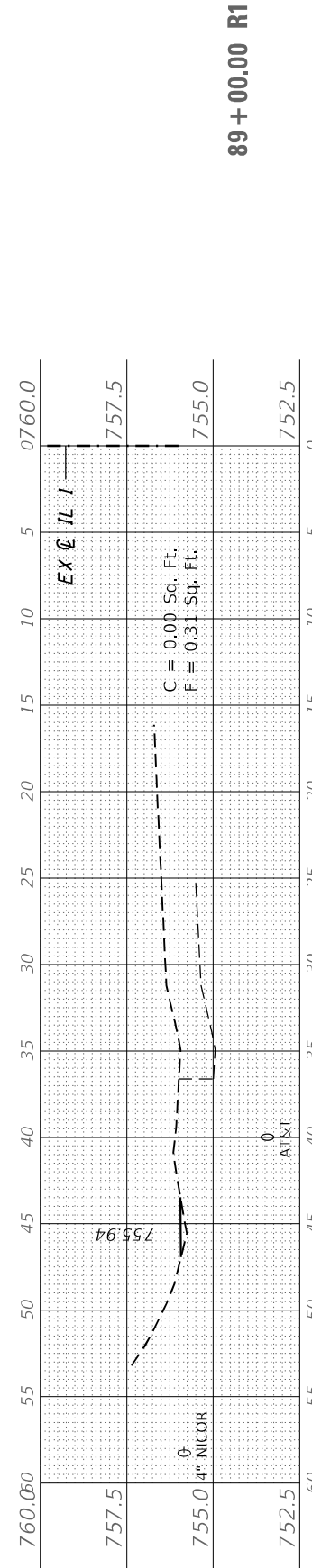
90 + 50.00 R1



90 + 00.00 R1



89 + 50.00 R1



89 + 00.00 R1



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

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

MODEL: IL\_1\_N\_94-99  
 FILE NAME: S:\2020\191101028\_PTB\91\_1003\WO 17 62N27 Drainage Improvements\CADD\Sheets\62N27-ctb-x5 Loc 1-11\_11.dwg

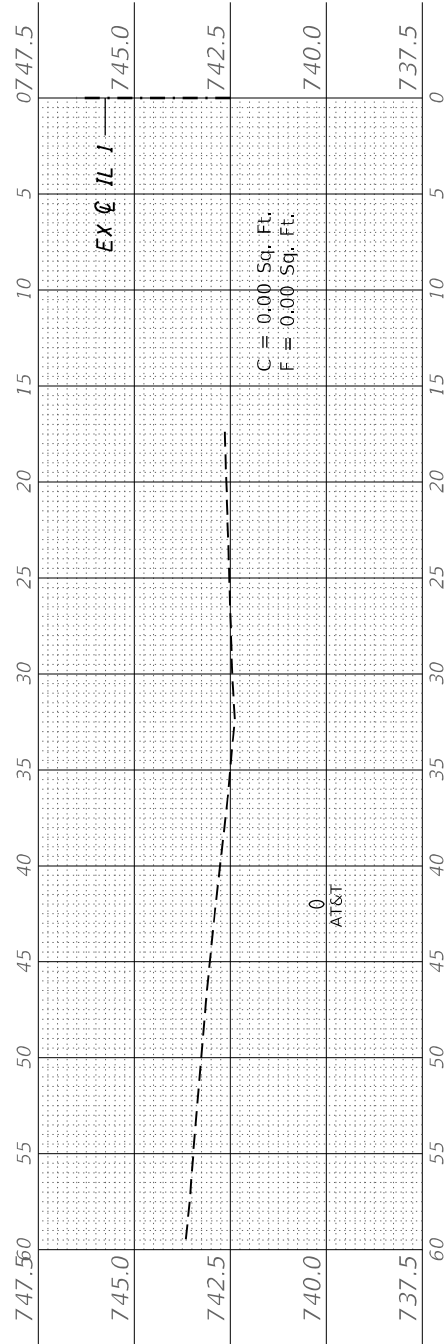


QUIGG ENGINEERING INC

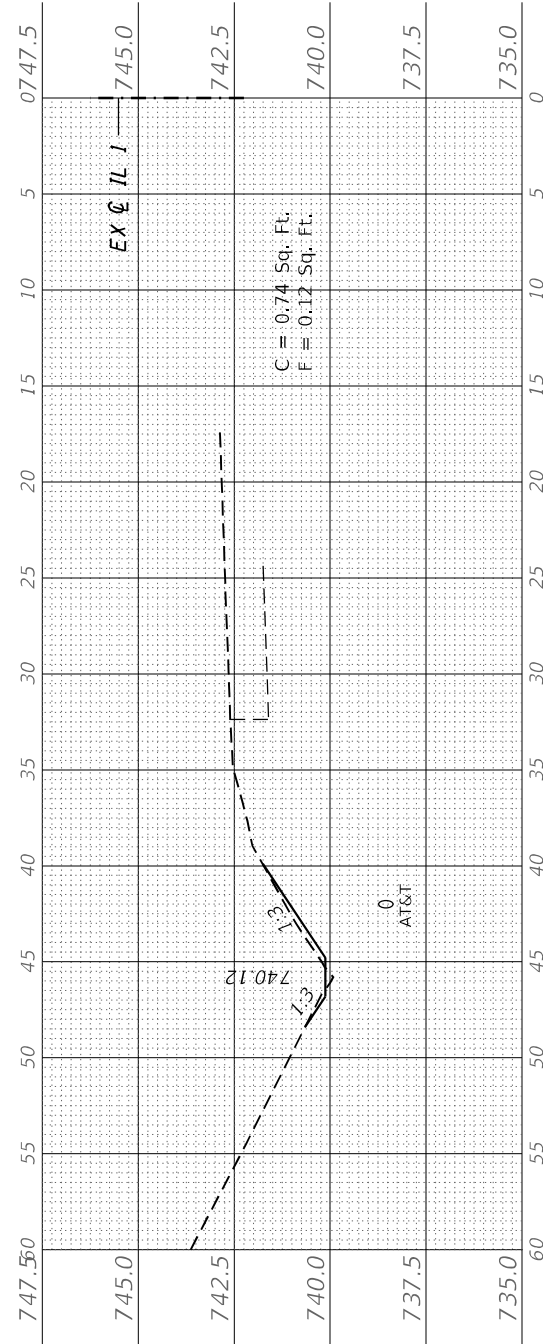
|           |              |
|-----------|--------------|
| USER NAME | = wnohamed   |
| DESIGNED  | - RG         |
| DRAWN     | - RG         |
| CHECKED   | - DRB        |
| DATE      | - 05/11/2022 |

|          |   |
|----------|---|
| REVISOR  | - |
| REVISION | - |
| REVISION | - |
| REVISION | - |

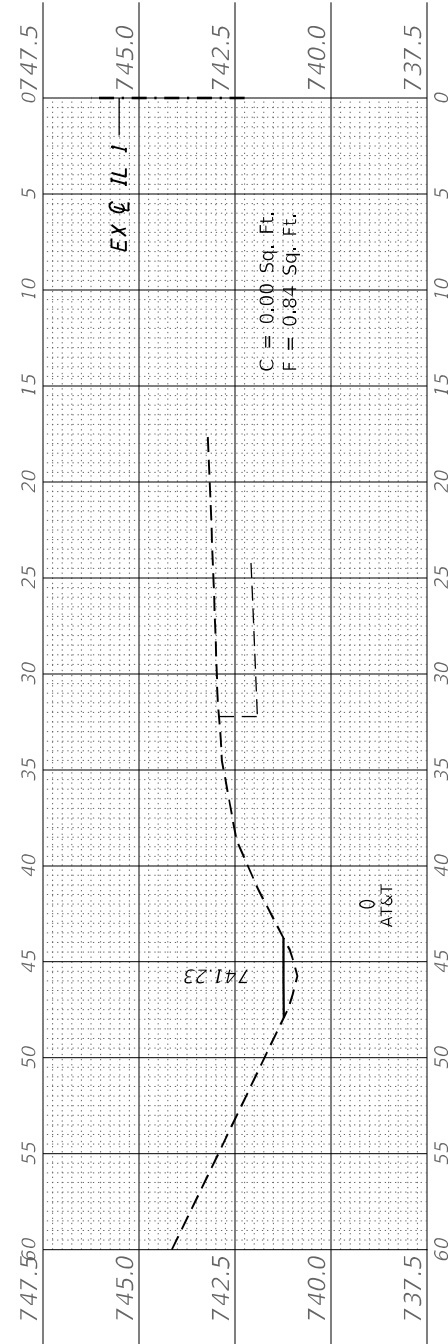
96 + 00.00 R1



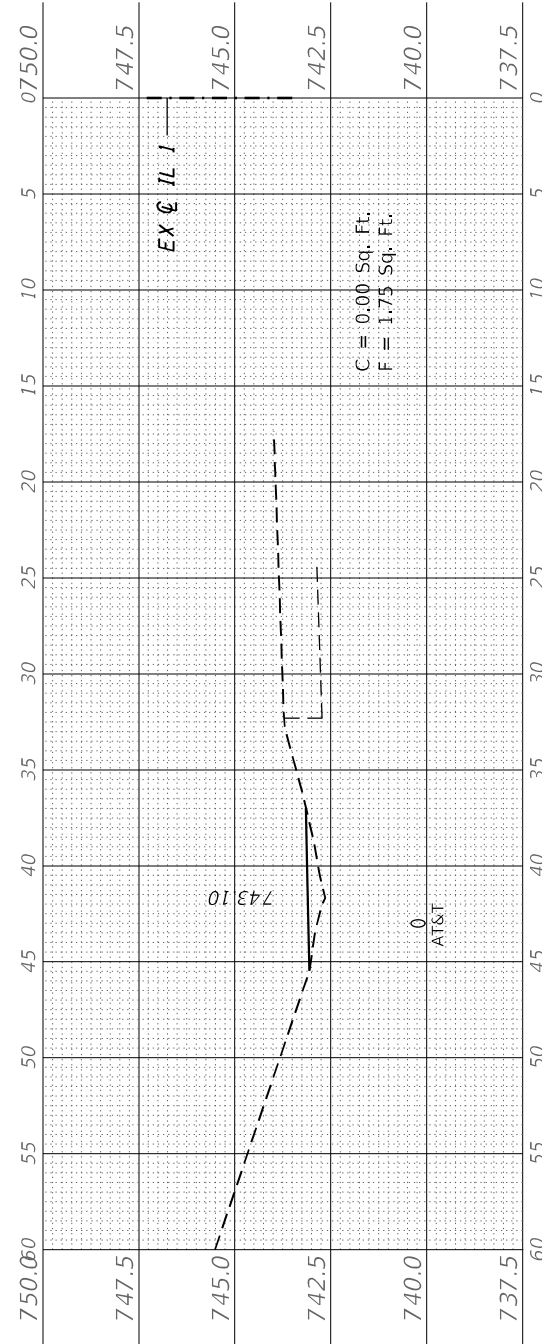
95 + 80.00 R1



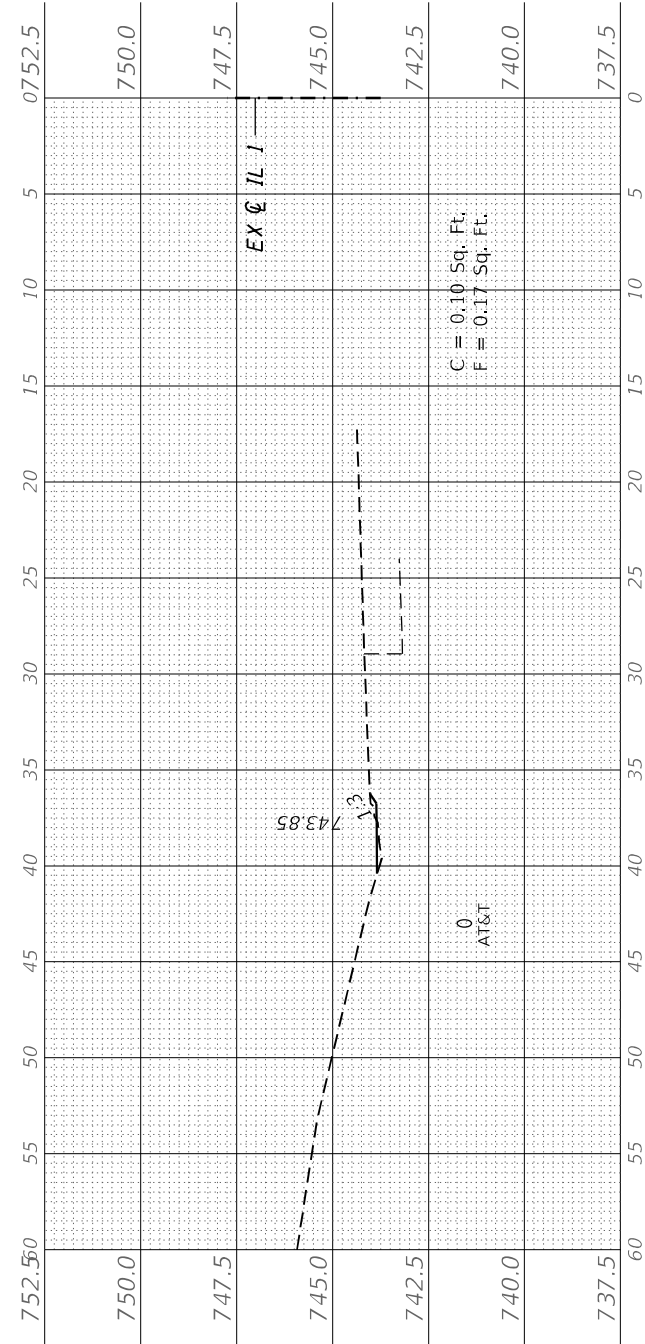
95 + 50.00 R1



95 + 00.00 R1



94 + 80.00 R1



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

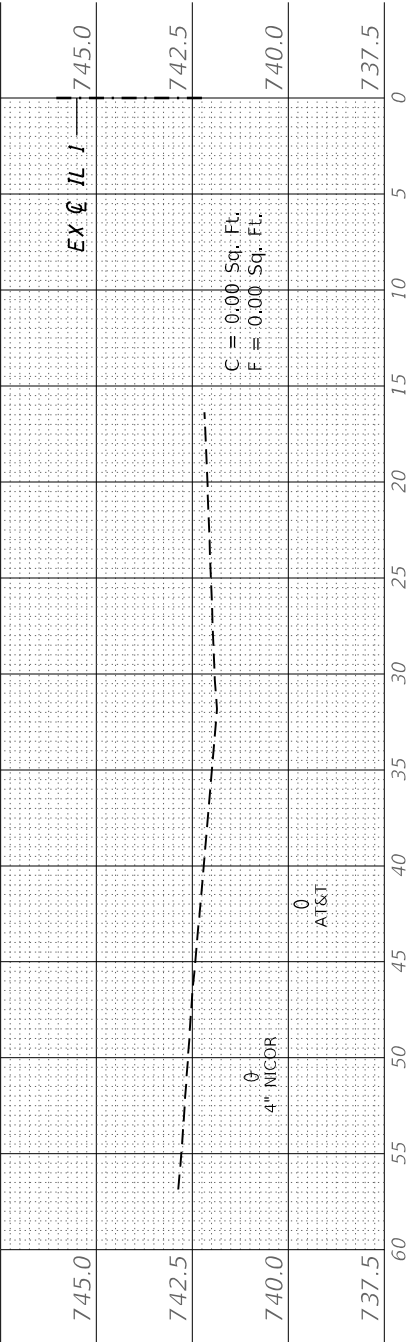
SCALE: SHEET OF SHEETS STA. 94+80.00 R1 TO STA. 96+00.00 R1

|             |                    |                  |              |           |
|-------------|--------------------|------------------|--------------|-----------|
| F.A.P. RTE. | SECTION            | COUNTY           | TOTAL SHEETS | SHEET NO. |
|             | 2020-257-T         | WILL             | 83           | 65        |
| *876 & 332  | CONTRACT NO. 62N27 |                  |              |           |
| ILLINOIS    |                    | FED. AID PROJECT |              |           |

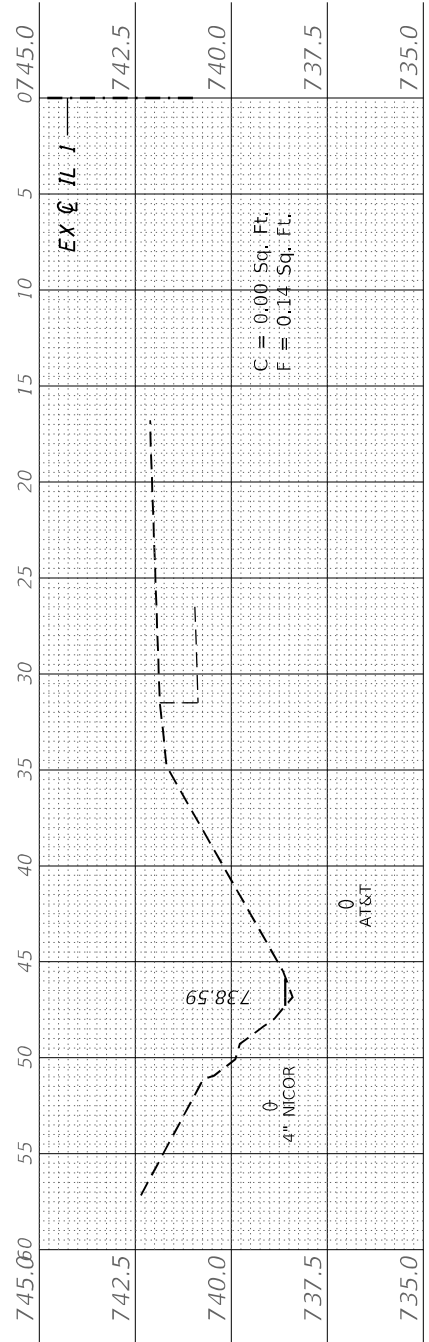
|              |               |    |      |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED      | BY | DATE |
| NOTE BOOK    | PLOTTED       |    |      |
| NO.          | TEMPLATE      |    |      |
|              | AREAS CHECKED |    |      |

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

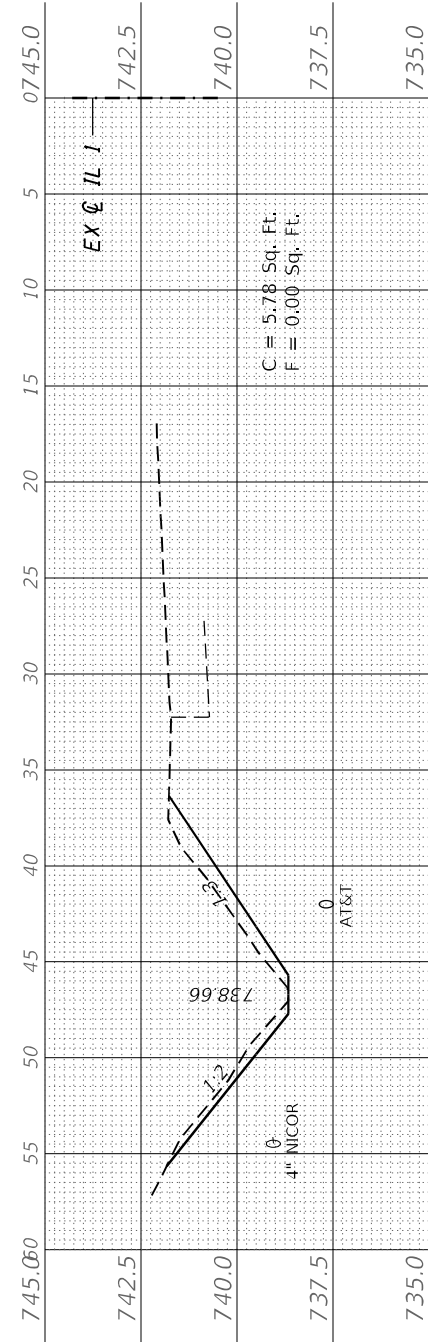
MODEL: IL\_1\_N\_94-99  
 FILE NAME: S:\2020\19101028\_PTB191\_002\WO 17 62N27 Drainage Improvements\CADD\Sheets\162N27-ctb-x5 Loc 1-11\_11.dwg



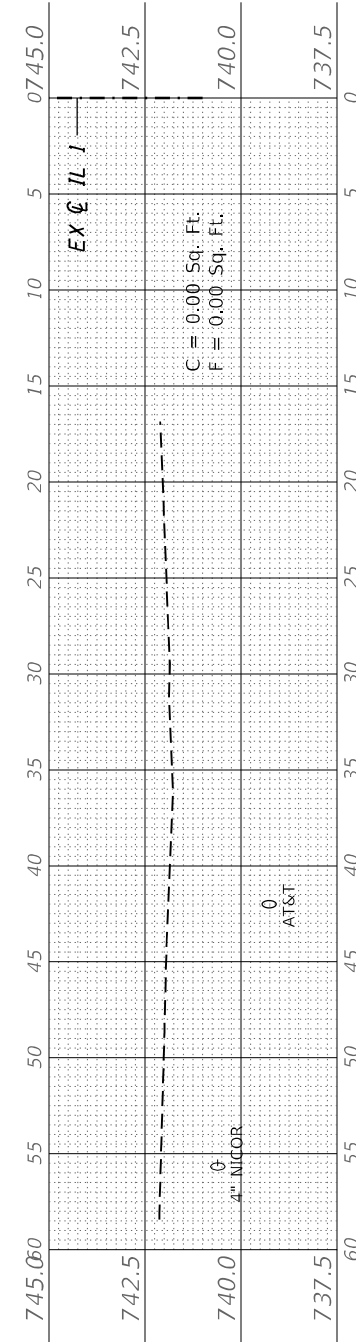
98 + 00.00 R1



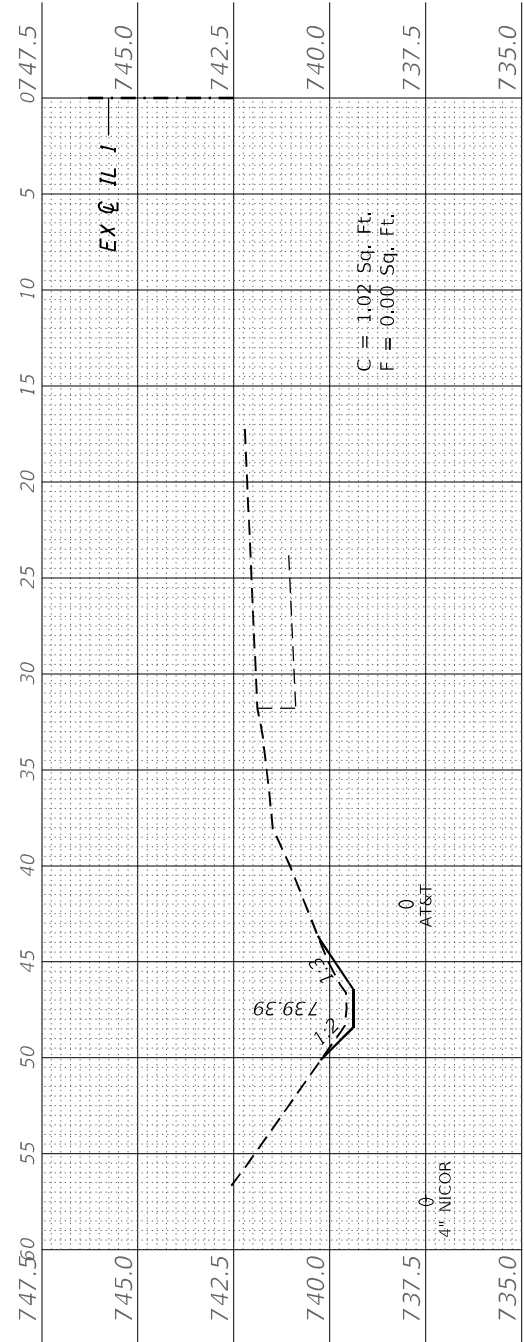
97 + 50.00 R1



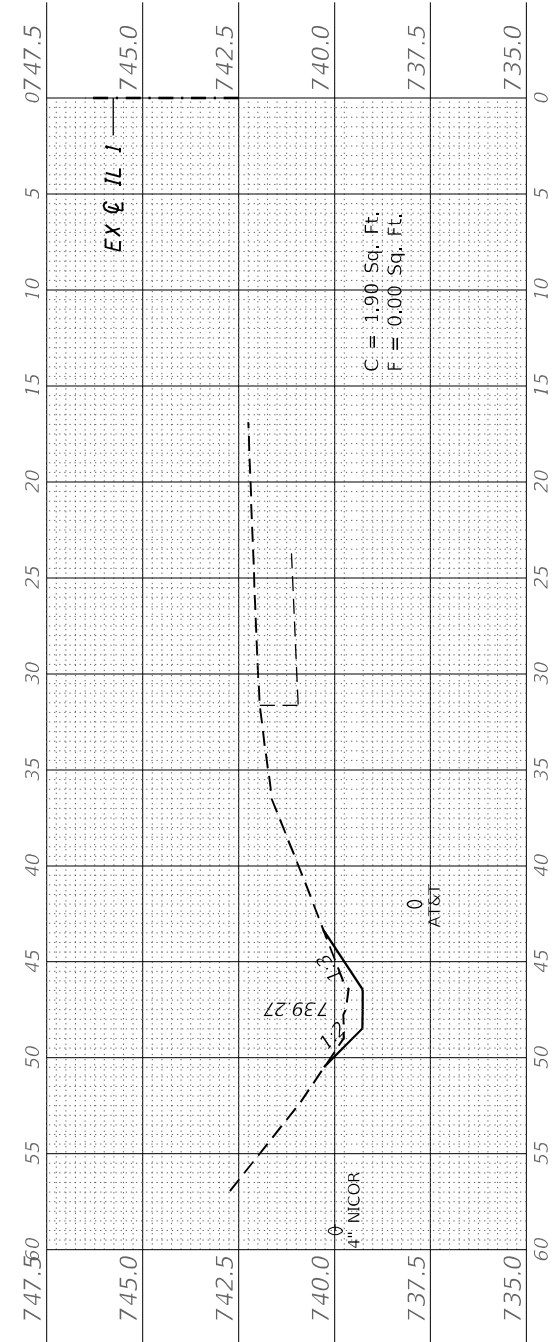
97 + 10.00 R1



97 + 00.00 R1



96 + 60.00 R1



96 + 50.00 R1



|                              |
|------------------------------|
| USER NAME = wmoahammed       |
| DESIGNED - RG                |
| DRAWN - RG                   |
| PLLOT SCALE = 10,0000 */ in. |
| PLLOT DATE = 5/11/2022       |

|            |
|------------|
| REVISIED - |
| REVISIED - |
| REVISIED - |
| REVISIED - |
| REVISIED - |

|                   |
|-------------------|
| DATE - 05/11/2022 |
| REVISIED -        |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 96+50.00 R1 TO STA. 98+00.00 R1

CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 1876 & 332                | 2020-257-T | WILL   | 83                 | 66        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 62N27 |           |

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

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

MODEL: IL\_1\_N\_94-99  
 FILE NAME: S:\2022\191101028\_PTB\91\_002\WO\_17\_62\2727\_Drainage\_Improvements\CADD\_Sheets\162727.dwg Loc: 1-11\_11.dwg



QUIGG ENGINEERING INC

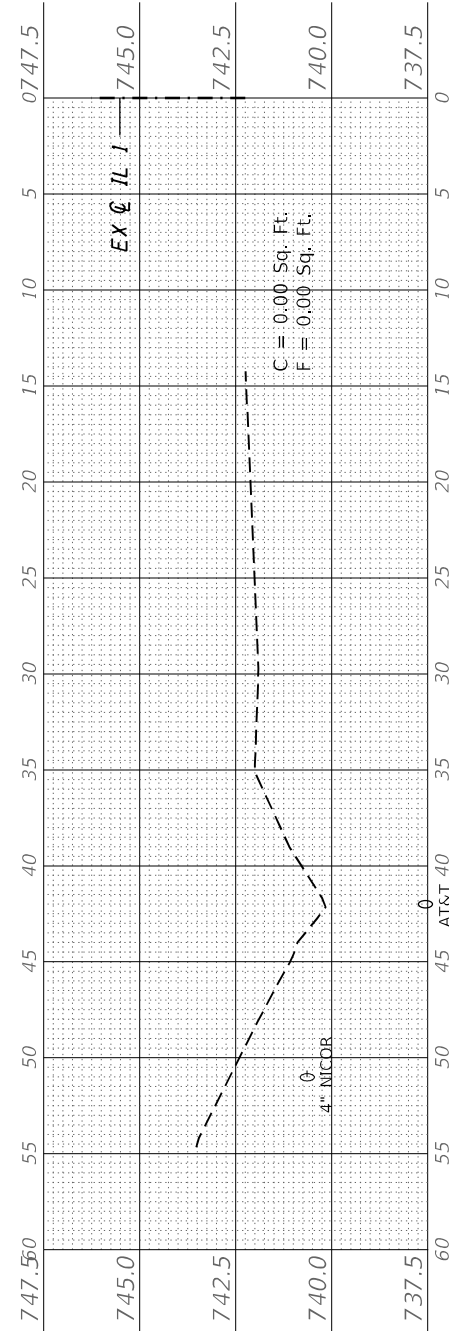
|                              |                   |           |
|------------------------------|-------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - RG     | REVISED - |
| PLOT SCALE = 10,0000 * / in. | DRAWN - RG        | REVISED - |
| PLOT DATE = 5/11/2022        | CHECKED - DRB     | REVISED - |
|                              | DATE - 05/11/2022 | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

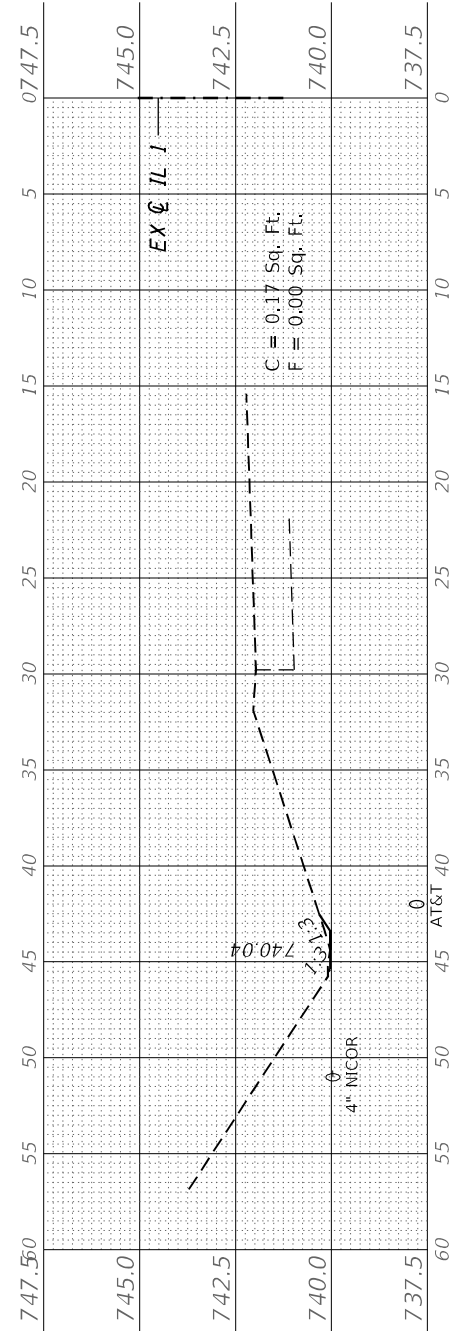
CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

SCALE: SHEET OF SHEETS STA. 98+50.00 R1 TO STA. 99+00.00 R1

|             |            |                    |              |           |
|-------------|------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
| 1876 & 332  | 2020-257-T | WILL               | 83           | 67        |
|             |            | CONTRACT NO. 62N27 |              |           |
| ILLINOIS    |            | FED. AID PROJECT   |              |           |



99 + 00.00 R1



98 + 50.00 R1



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

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

MODEL: IL\_1\_03-103  
 FILE NAME: S:\2021\191028-PTB\91\_1003\WO 17 62N27 Drainage Improvements\CA\DCADD Sheets\162N27.dwg; Xref: 1-1\_11.dwg



QUIGG ENGINEERING INC

|              |                 |
|--------------|-----------------|
| USER NAME =  | wmohammed       |
| DESIGNED -   | RG              |
| DRAWN -      | RG              |
| CHECKED -    | DRB             |
| DATE -       | 05/11/2022      |
| PLOT SCALE = | 10,0000 * / in. |
| PLOT DATE =  | 5/11/2022       |

|            |            |
|------------|------------|
| DESIGNED - | RG         |
| DRAWN -    | RG         |
| CHECKED -  | DRB        |
| DATE -     | 05/11/2022 |

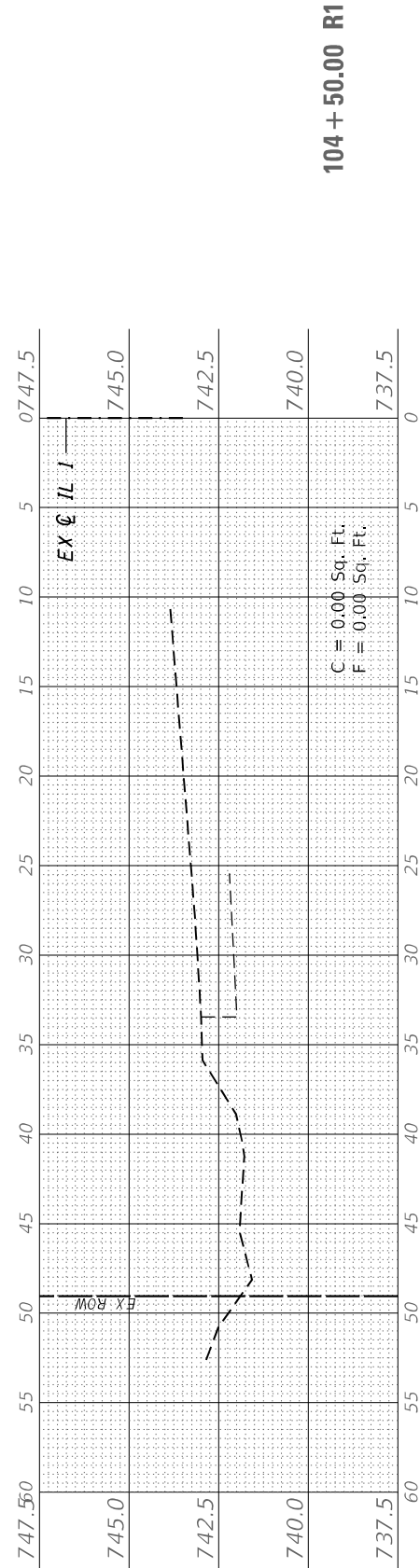
|           |  |
|-----------|--|
| REVISED - |  |
| REVISED - |  |
| REVISED - |  |
| REVISED - |  |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

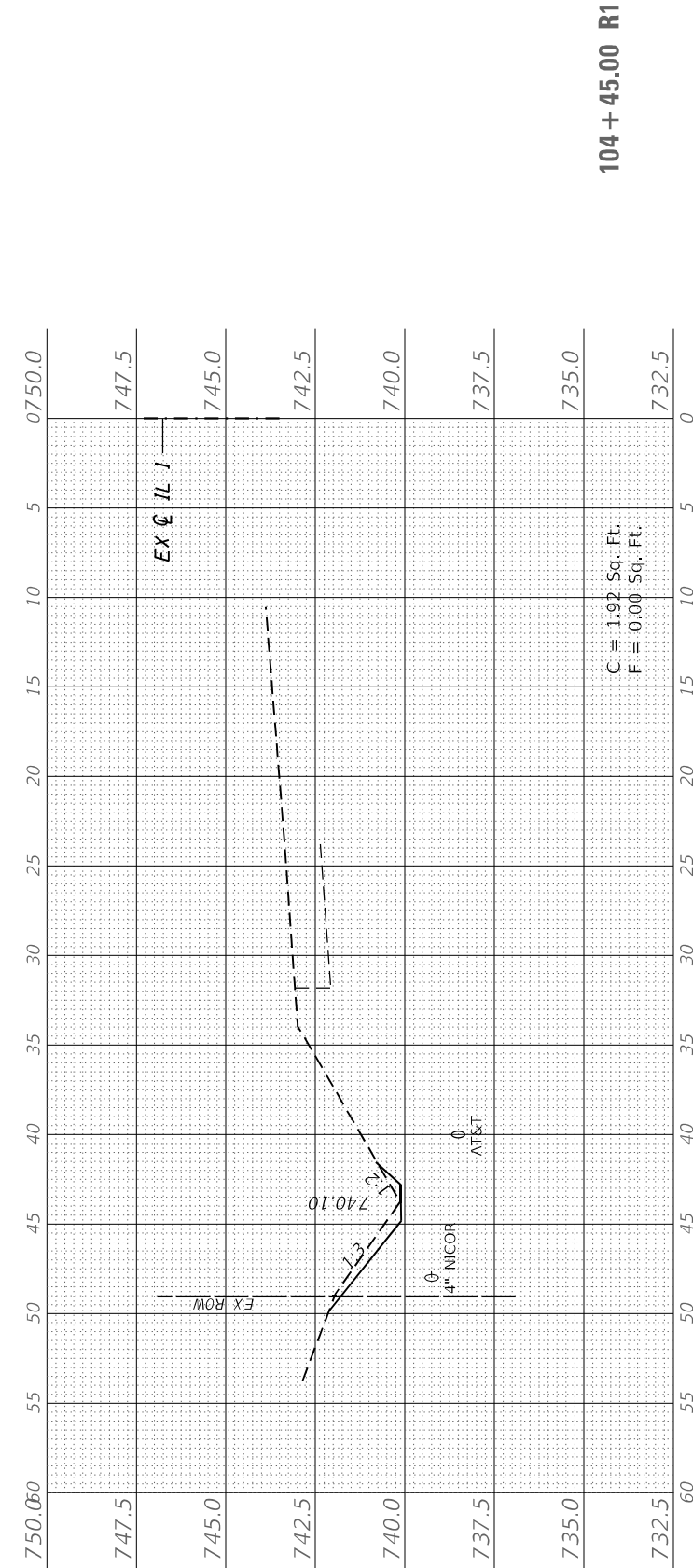
SCALE: SHEET OF SHEETS STA. 103+75.00 R1 TO STA. 104+50.00 R1

CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

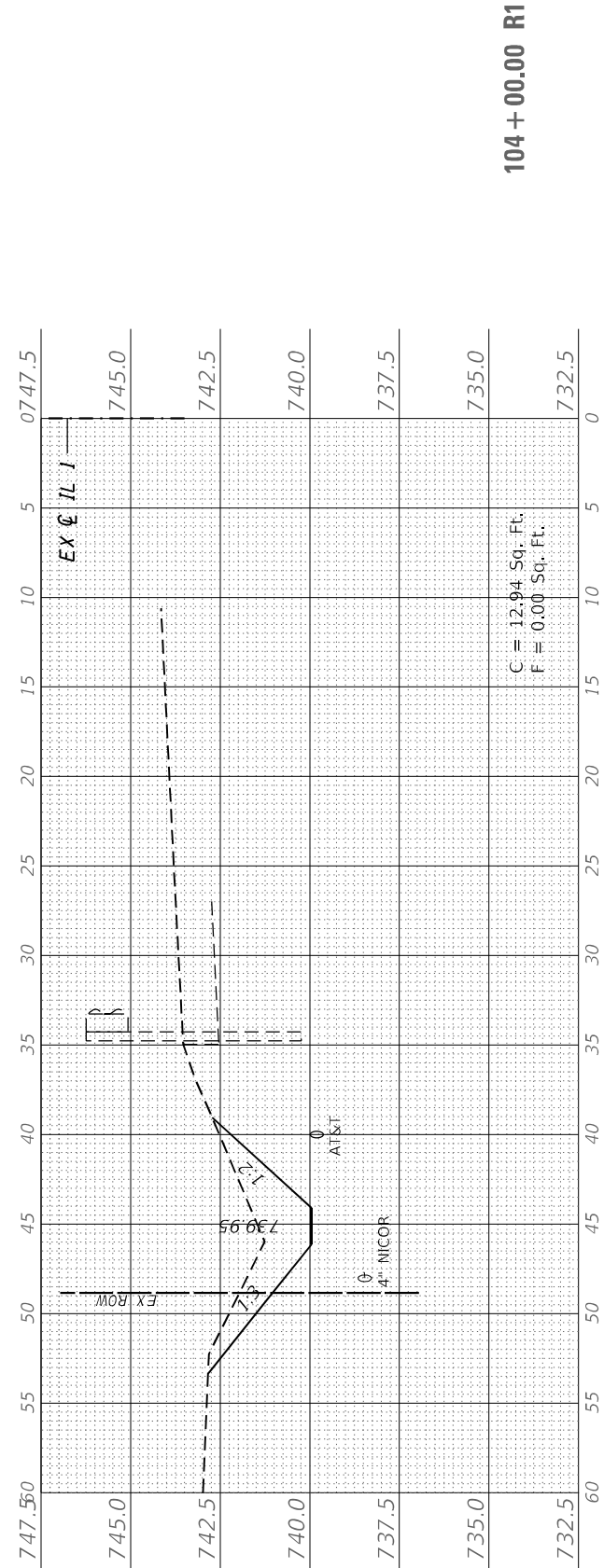
|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| *876 & 332                | 2020-257-T | WILL   | 83                 | 69        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 62N27 |           |



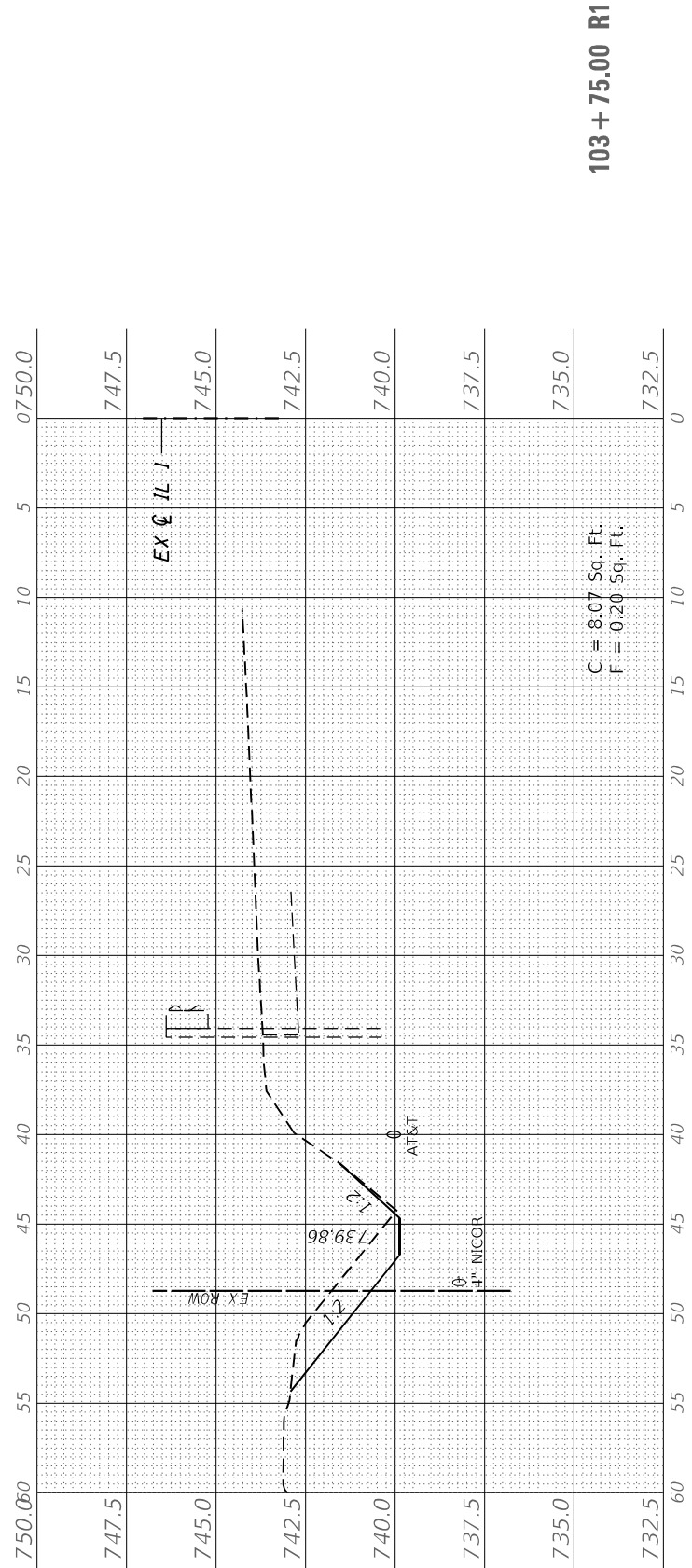
104 + 50.00 R1



104 + 45.00 R1



104 + 00.00 R1

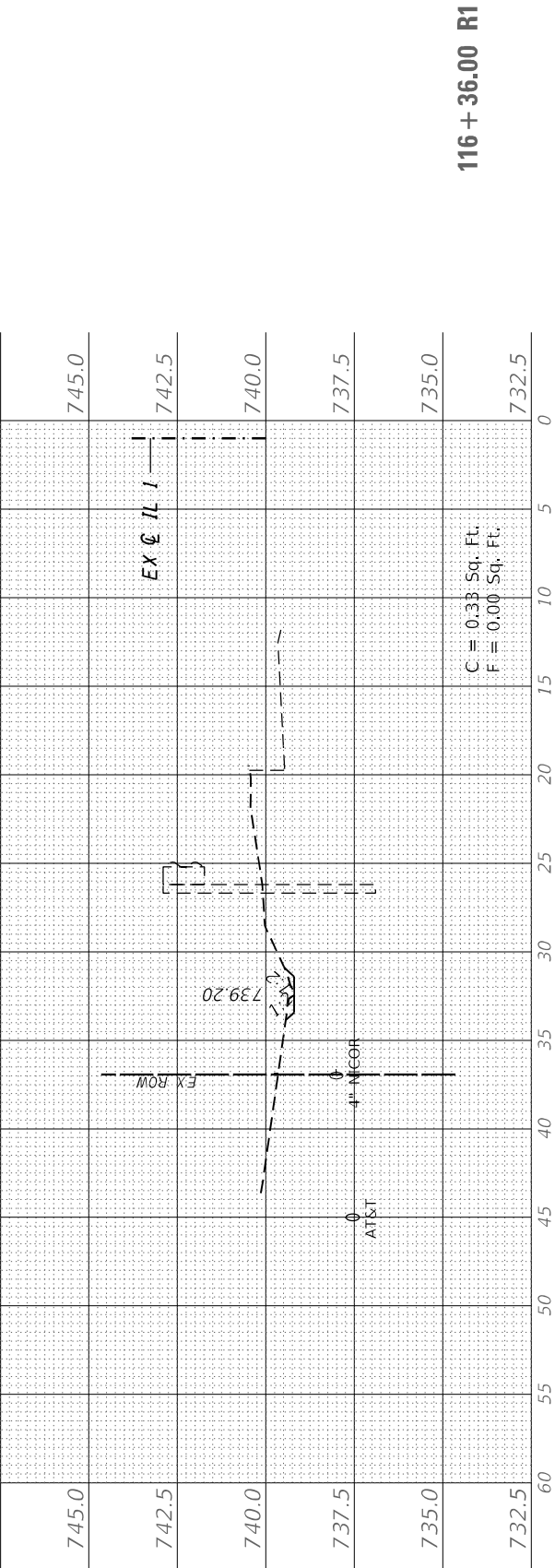


103 + 75.00 R1

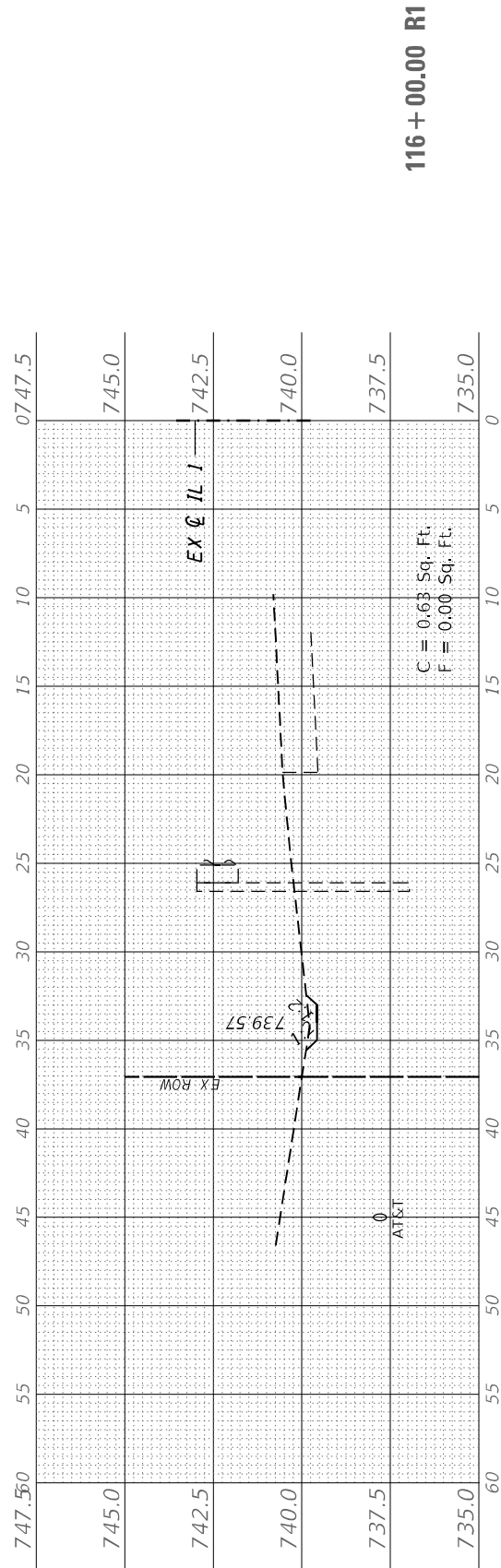
|              |               |    |      |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED      | BY | DATE |
| NOTE BOOK    | PLOTTED       |    |      |
| NO.          | TEMPLATE      |    |      |
|              | AREAS CHECKED |    |      |

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

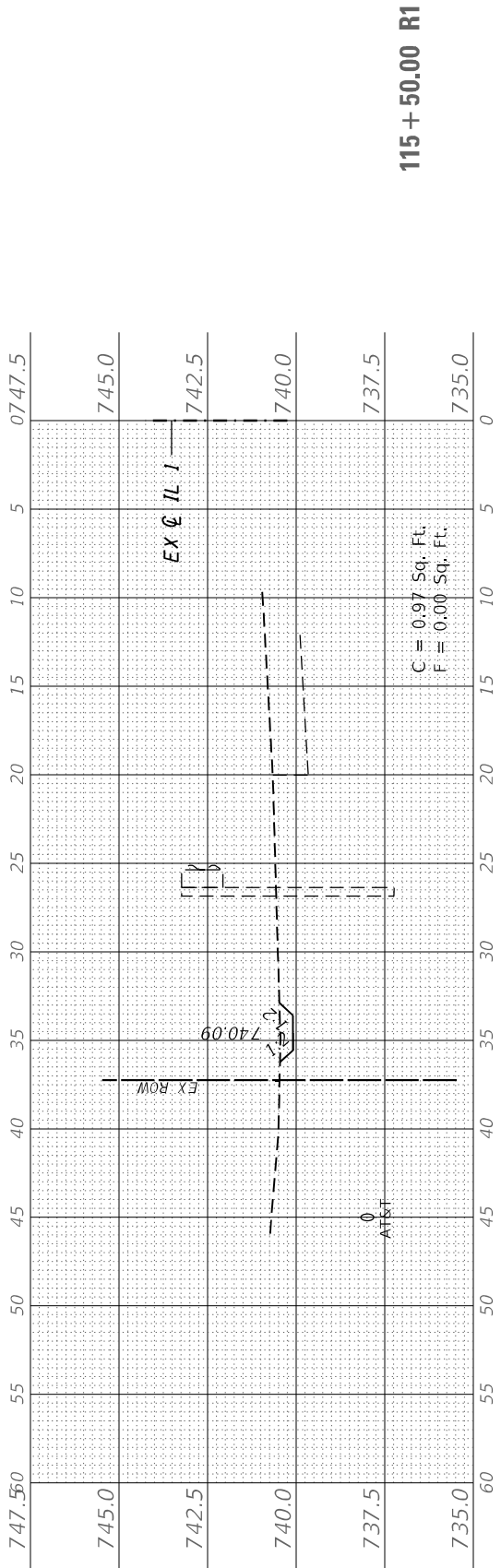
MODEL: IL\_IL\_15-119  
 FILE NAME: S:\2022\19181028\_PTB\91\_1003\WO 17 62827 Drainage Improvements\CADD\_Sheets\162827-sh-cv-5 Loc 1-1 IL 116.dwg



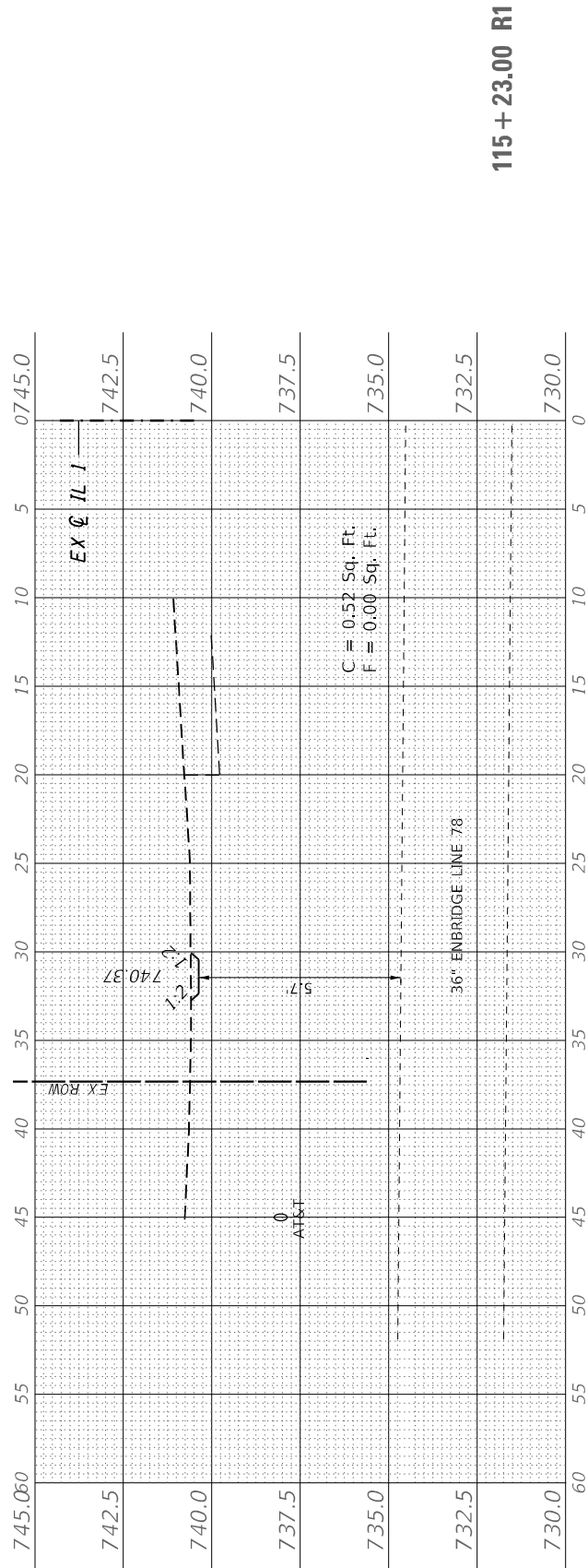
116 + 36.00 R1



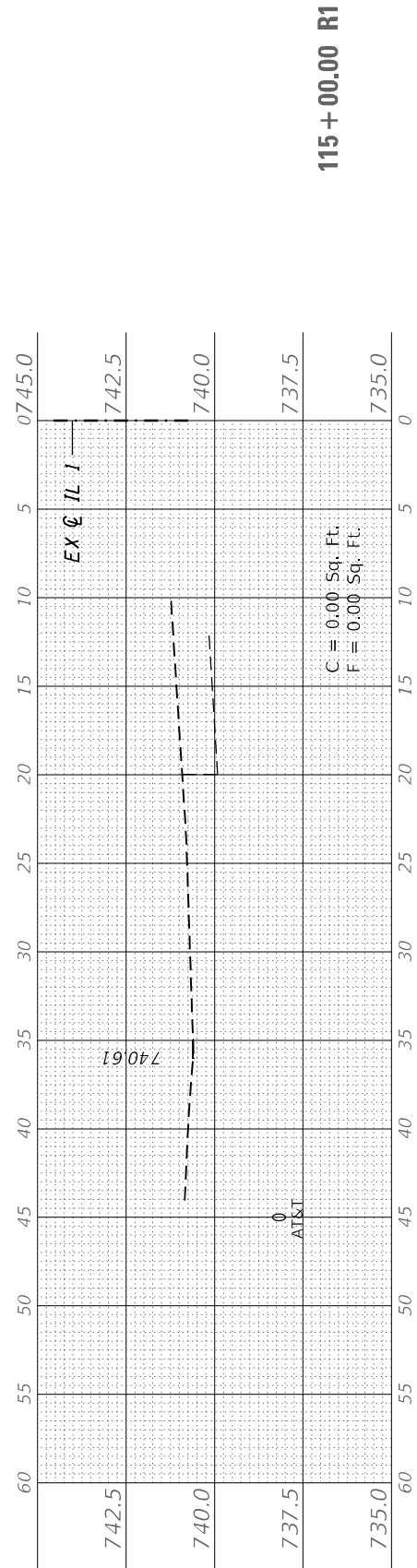
116 + 00.00 R1



115 + 50.00 R1



115 + 23.00 R1



115 + 00.00 R1



|           |              |
|-----------|--------------|
| USER NAME | = wnohamed   |
| DESIGNED  | - RG         |
| DRAWN     | - RG         |
| CHECKED   | - DRB        |
| DATE      | - 05/11/2022 |

|          |   |
|----------|---|
| REVISIED | - |
| REVISIED | - |
| REVISIED | - |
| REVISIED | - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

|        |       |    |        |  |
|--------|-------|----|--------|--|
| SCALE: | SHEET | OF | SHEETS | STA. 115+00.00 R1 TO STA. 116+36.00 R1 |
|--------|-------|----|--------|--|

CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

|             |            |                    |              |           |
|-------------|------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
|             | 2020-257-T | WILL               | 83           | 70        |
| *876 & 332  |            | CONTRACT NO. 62N27 |              |           |

ILLINOIS FED. AID PROJECT

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

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

MODEL: IL\_IL\_15-119  
 FILE NAME: S:\2020\19181028\_PTB\91\_003\WO 17 62N27 Drainage Improvements\CAADD\_Sheets\162N27-shs-XS Loc 1-4 IL 11.dwg



QUIGG ENGINEERING INC

|             |            |
|-------------|------------|
| USER NAME = | vmmahmed   |
| DESIGNED -  | RG         |
| DRAWN -     | RG         |
| CHECKED -   | DRB        |
| DATE -      | 05/11/2022 |

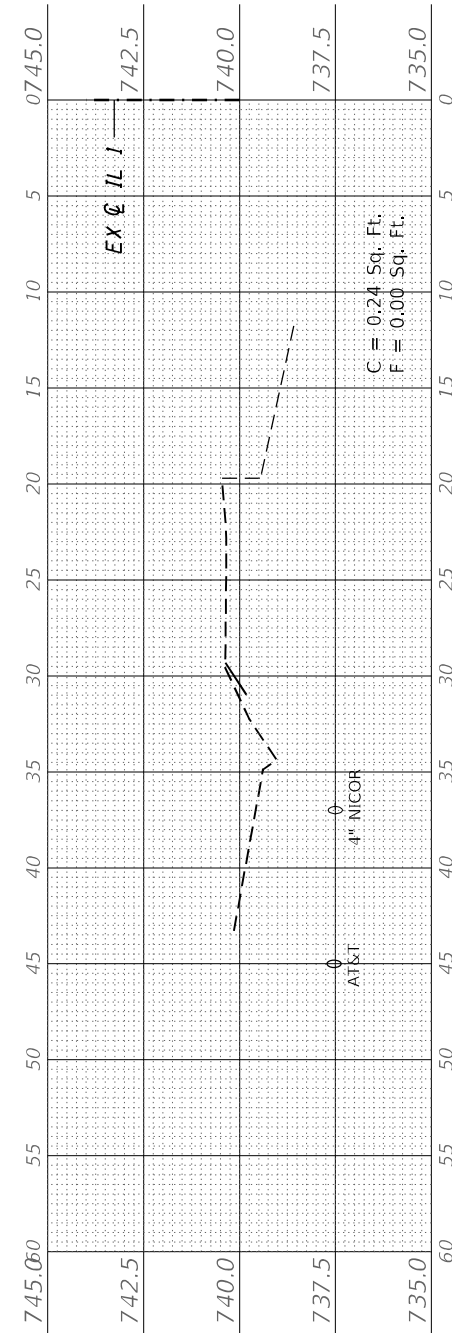
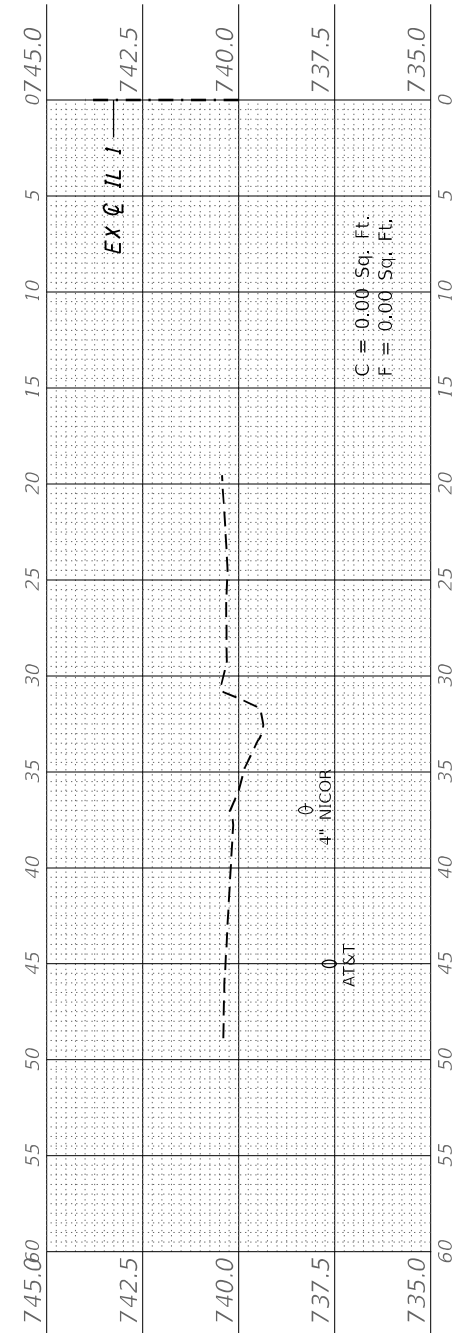
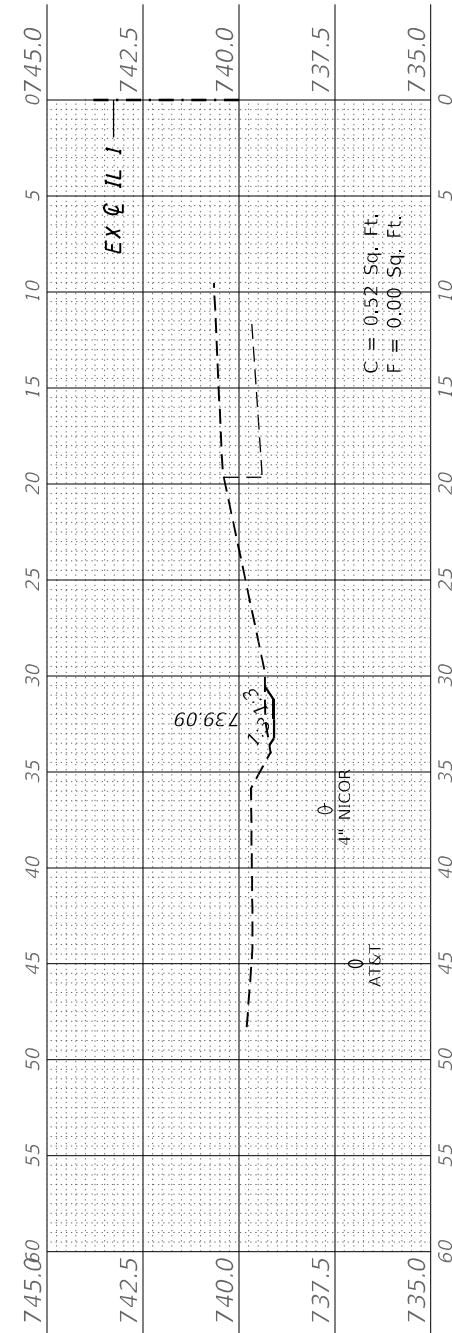
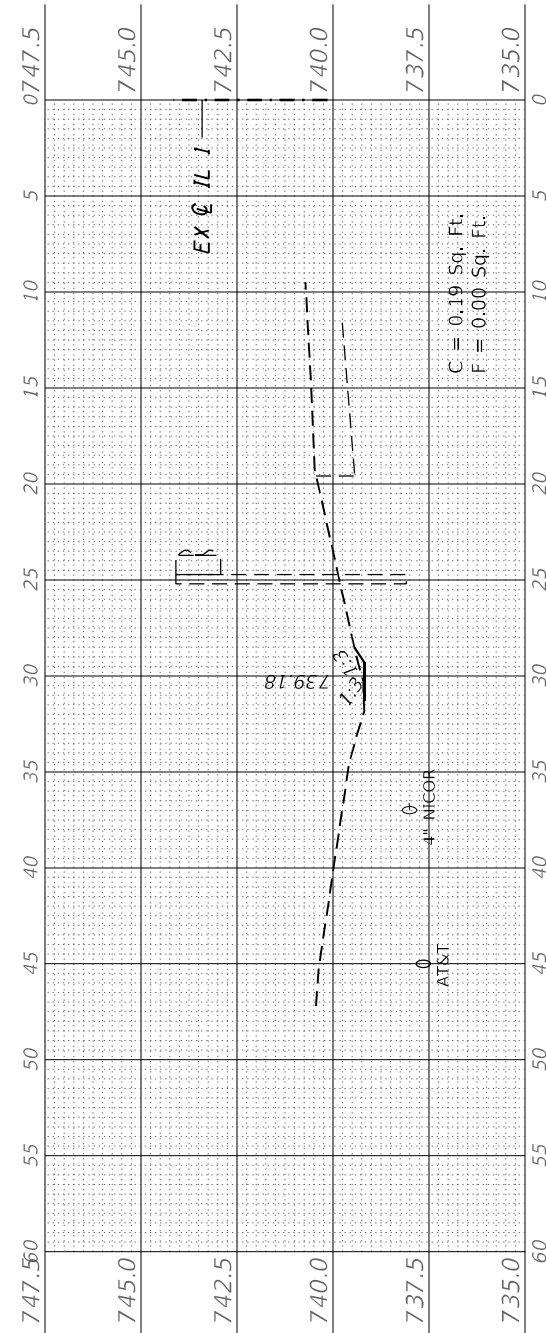
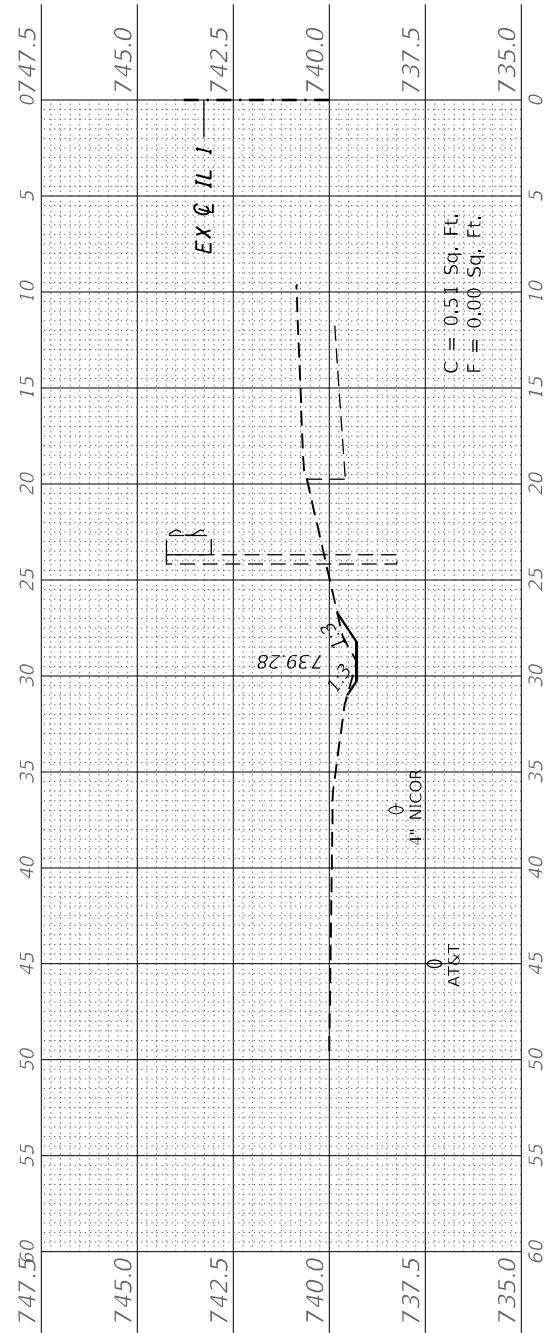
|           |  |
|-----------|--|
| REVISED - |  |
| REVISED - |  |
| REVISED - |  |
| REVISED - |  |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 116+52.00 R1 TO STA. 118+50.00 R1

CROSS SECTIONS  
 LOCATION 3  
 IL 1, N. OF IL 394 TO BURVILLE RD

|             |            |                    |              |           |
|-------------|------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
|             | 2020-257-T | WILL               | 83           | 71        |
| *876 & 332  |            | CONTRACT NO. 62N27 |              |           |
| ILLINOIS    |            | FED. AID PROJECT   |              |           |



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

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

MODEL: IL\_1\_N\_30-131  
 FILE NAME: S:\2020\1910\028\_PTB\01\_002\WO\_17\_62N27\_Drainage\_Improvements\CADD\_Sheets\162N27-ctb-x5 Loc: 1-4 IL\_11.dwg



QUIGG ENGINEERING INC

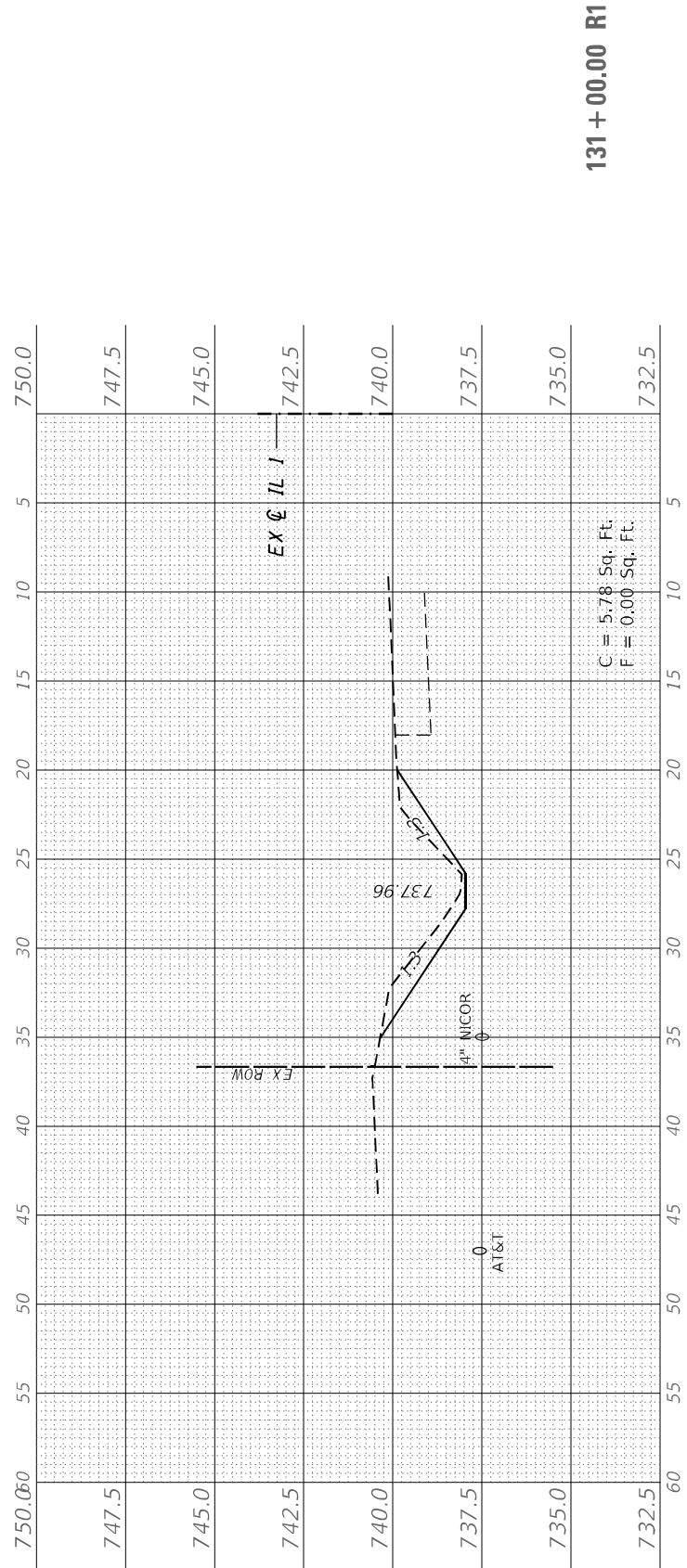
|                              |                   |           |
|------------------------------|-------------------|-----------|
| USER NAME = wmoahammed       | DESIGNED - RG     | REvised - |
| PLOT SCALE = 10,0000 * / in. | DRAWN - RG        | REvised - |
| PLOT DATE = 5/11/2022        | CHECKED - DRB     | REvised - |
|                              | DATE - 05/11/2022 | REvised - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

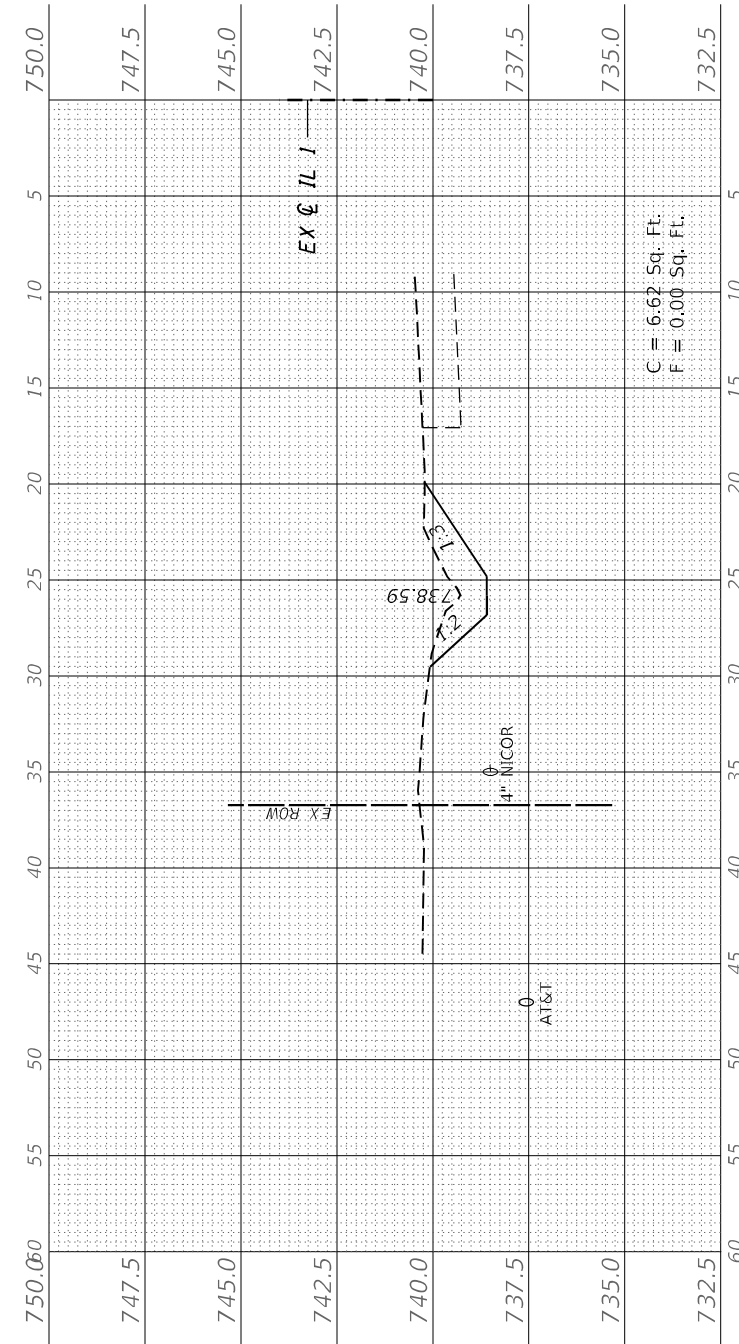
CROSS SECTIONS  
 LOCATION 4  
 IL 1, N. OF IL 394 TO BURVILLE RD

SCALE: SHEET OF SHEETS STA. 130+37.00 R1 TO STA. 131+00.00 R1

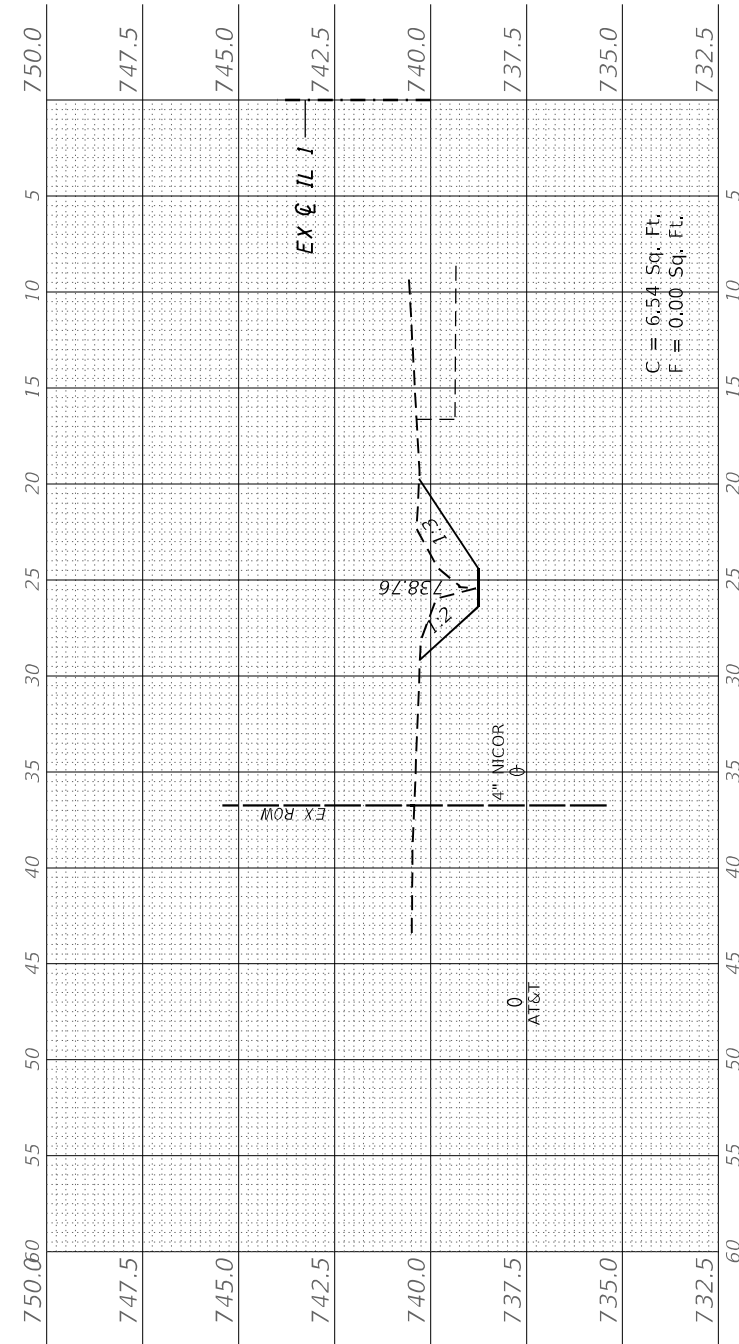
|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| *876 & 332         | 2020-257-T | WILL   | 83                        | 72        |
| CONTRACT NO. 62N27 |            |        | ILLINOIS FED. AID PROJECT |           |



131 + 00.00 R1



130 + 50.00 R1



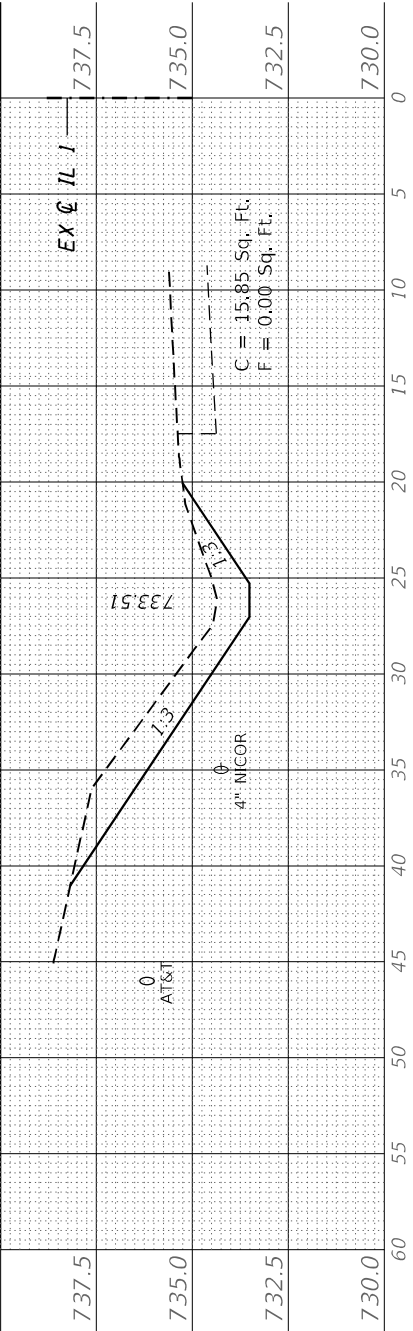
130 + 37.00 R1



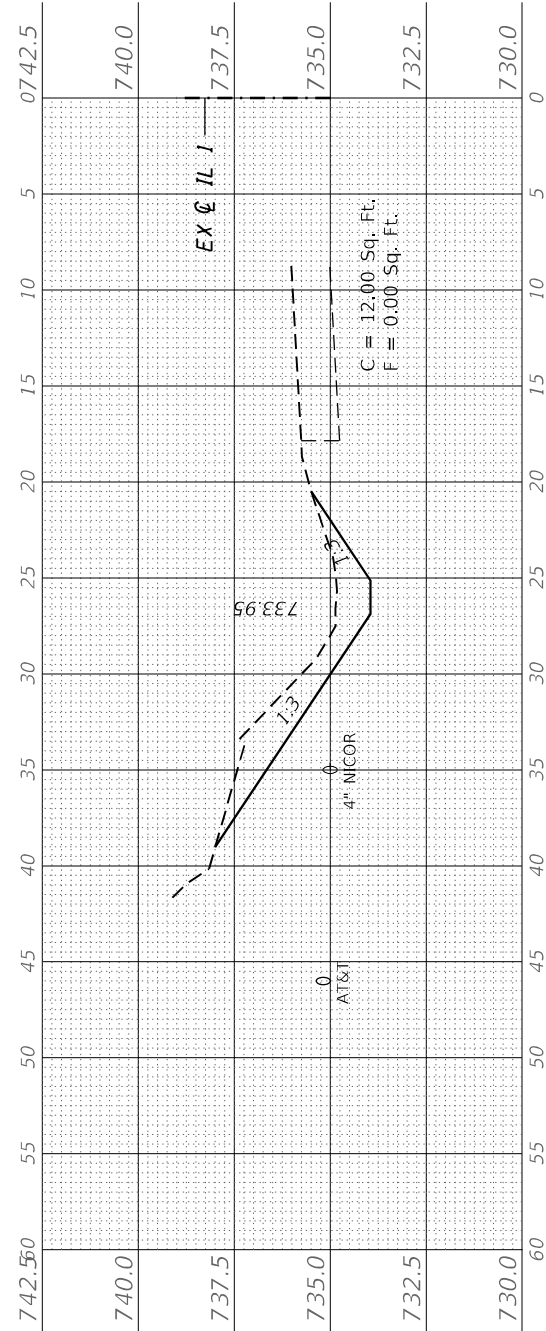
|              |               |    |      |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED      | BY | DATE |
| NOTE BOOK    | PLOTTED       |    |      |
| NO.          | TEMPLATE      |    |      |
|              | AREAS CHECKED |    |      |
|              | AREAS CHECKED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

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

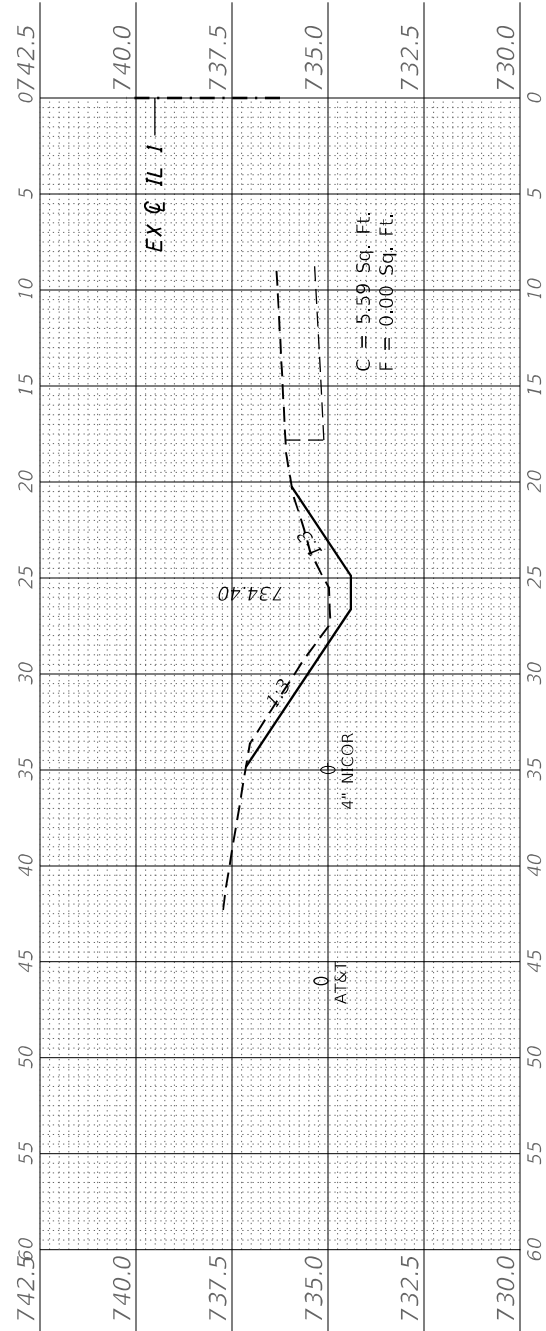
MODEL: IL\_IL\_135-141  
 FILE NAME: S:\2020\1910\028\_PTB\91\_002\WO 17 62N27 Drainage Improvements\CADD\Sheets\135+50.00 R1.dwg



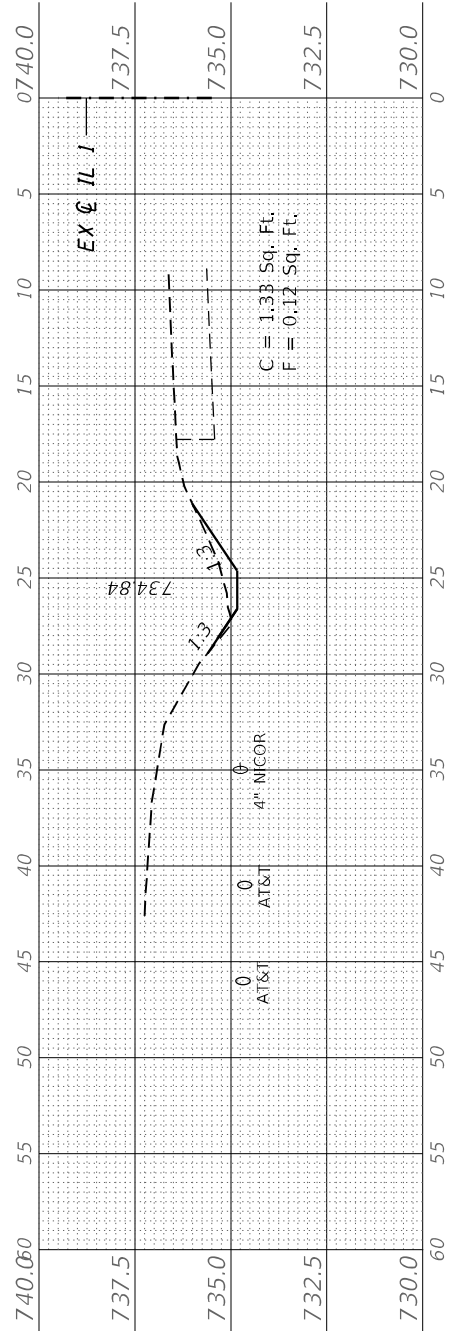
137 + 50.00 R1



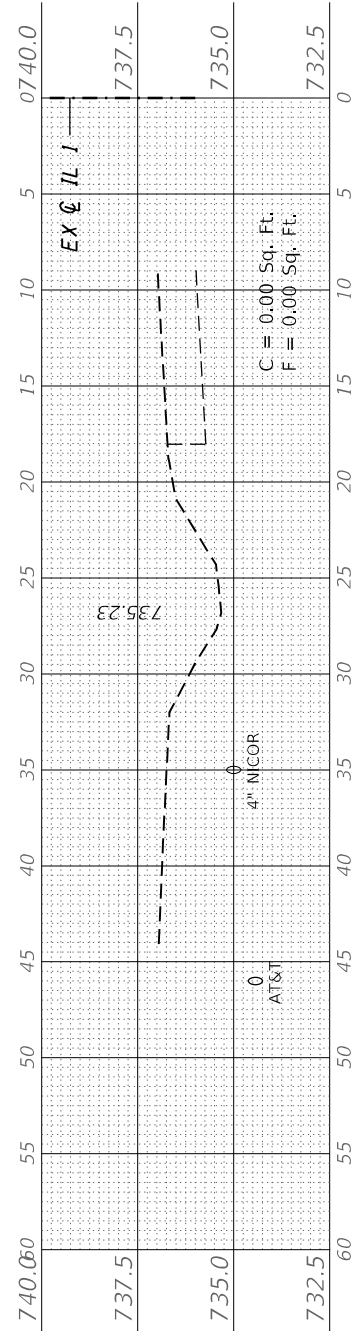
137 + 00.00 R1



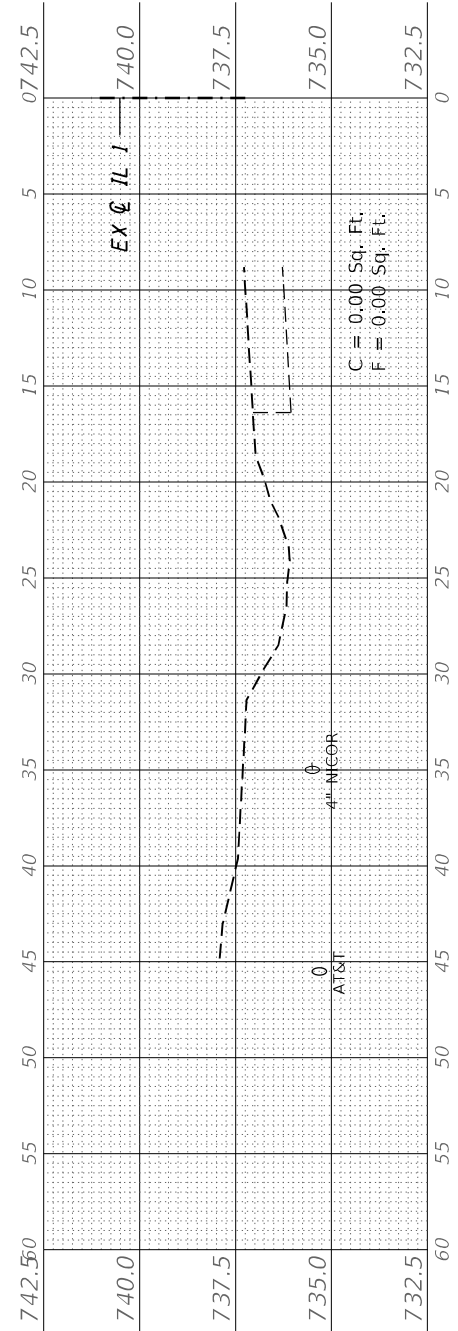
136 + 50.00 R1



136 + 00.00 R1



135 + 50.00 R1



135 + 00.00 R1



QUIGG ENGINEERING INC

|             |            |
|-------------|------------|
| USER NAME = | wmohammed  |
| DESIGNED -  | RG         |
| DRAWN -     | RG         |
| CHECKED -   | DRB        |
| DATE -      | 05/11/2022 |

|            |  |
|------------|--|
| REVISOR -  |  |
| REVISION - |  |
| REVISION - |  |
| REVISION - |  |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 LOCATION 4  
 IL 1, N. OF IL 394 TO BURVILLE RD

SCALE: SHEET OF SHEETS STA. 135+00.00 R1 TO STA. 137+50.00 R1

|             |            |                    |              |           |
|-------------|------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
|             | 2020-257-T | WILL               | 83           | 73        |
| *876 & 332  |            | CONTRACT NO. 62N27 |              |           |
| ILLINOIS    |            | FED. AID PROJECT   |              |           |

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

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

MODEL: IL\_IL\_135-141  
 FILE NAME: S:\2020\1910\028\_PTB\91\_002\WO 17 62N27 Drainage Improvements\CADD\Sheets\162N27-shc-XS Loc 1-4 IL 11.dwg



QUIGG ENGINEERING INC

USER NAME = vnmohammed  
 PLOT SCALE = 10,0000 \* / in.  
 PLOT DATE = 5/11/2022

DESIGNED - RG  
 DRAWN - RG  
 CHECKED - DRB  
 DATE - 05/11/2022

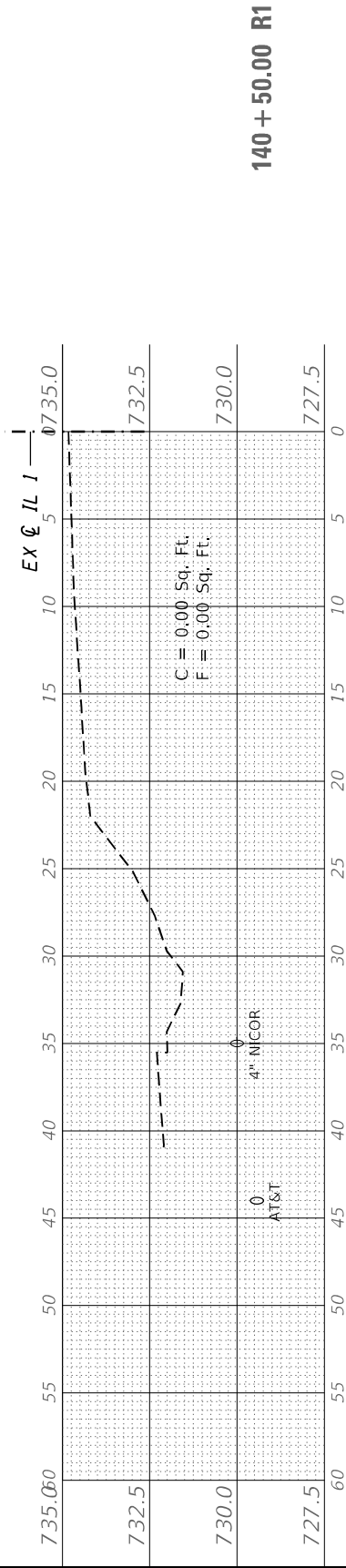
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

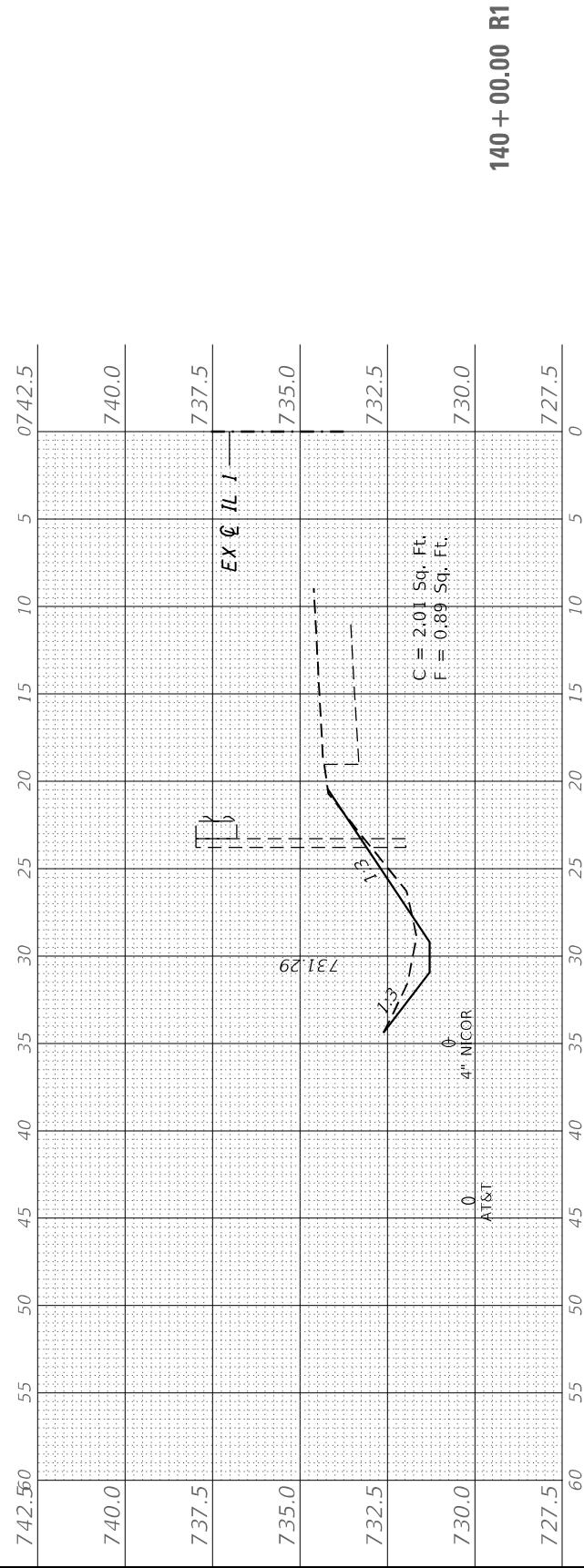
SCALE: SHEET OF SHEETS STA. 138+00.00 R1 TO STA. 140+50.00 R1

CROSS SECTIONS  
 LOCATION 4  
 IL 1, N. OF IL 394 TO BURVILLE RD

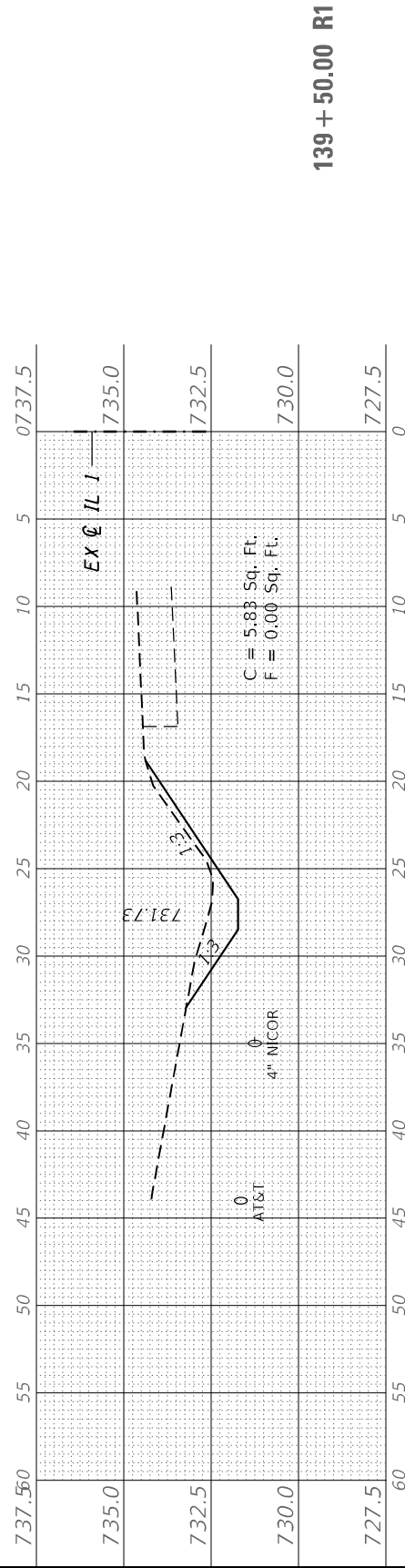
|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 1876 & 332                | 2020-257-T | WILL   | 83                 | 74        |
| ILLINOIS FED. AID PROJECT |            |        | CONTRACT NO. 62N27 |           |



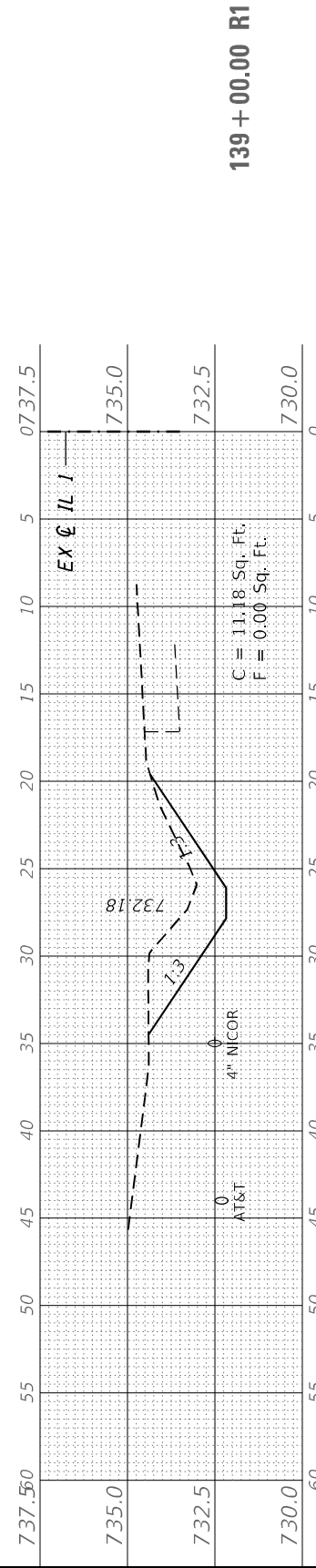
140 + 50.00 R1



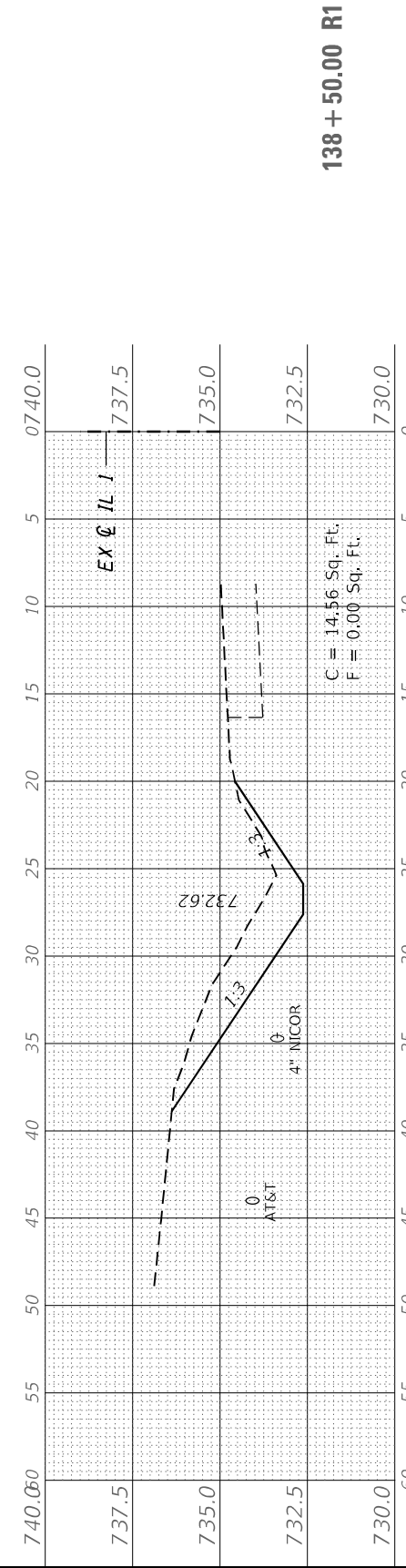
140 + 00.00 R1



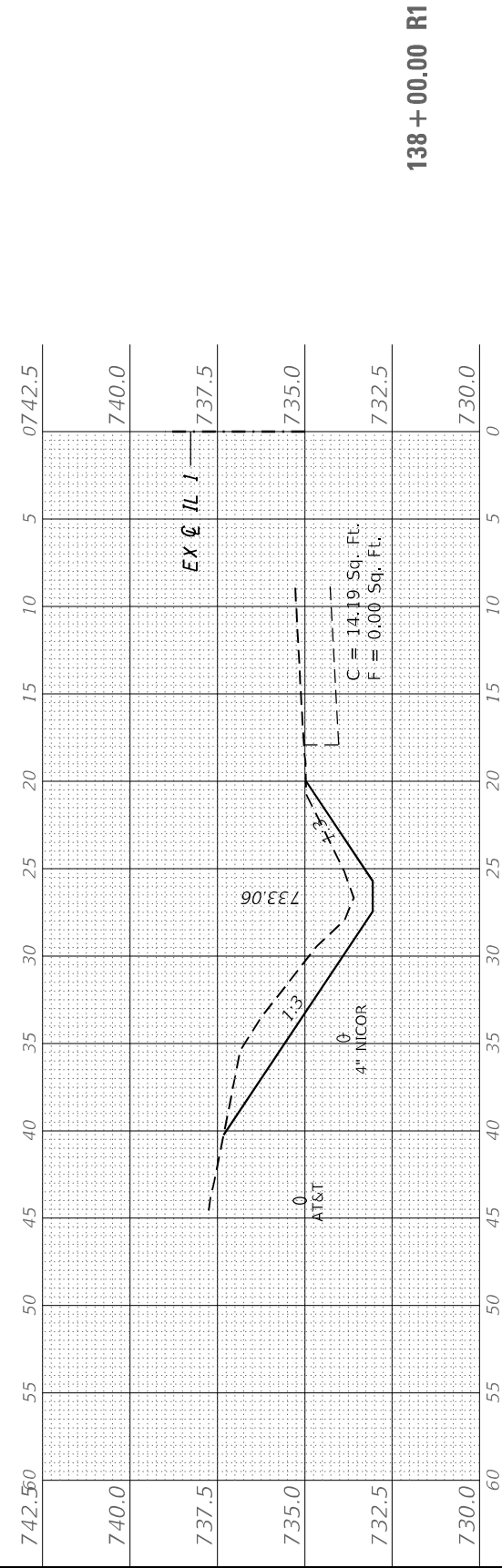
139 + 50.00 R1



139 + 00.00 R1



138 + 50.00 R1

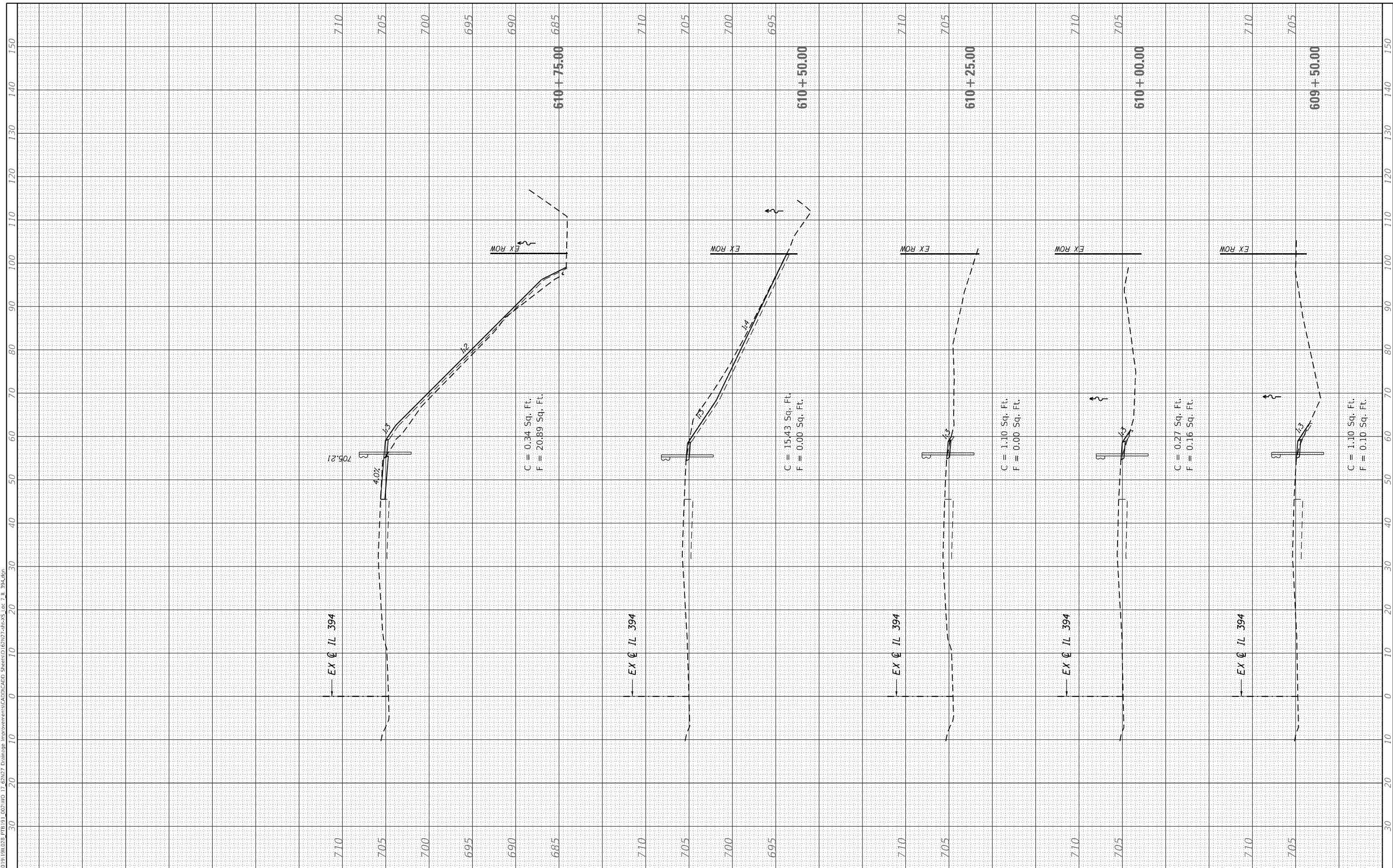


138 + 00.00 R1

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

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

MODEL: D:\mohammed\2022\11\11\028\_PTB\01\_003\WO\_17\_62N27\_Drainage\_Improvements\CAUD\CADD\_Sheets\0162N27.dwg; 05-11-2022



|                             |                   |           |
|-----------------------------|-------------------|-----------|
| USER NAME = vmohammed       | DESIGNED - RG     | REVISIONS |
|                             | DRAWN - RG        | REVISIONS |
| PLOT SCALE = 20,0000' / in. | CHECKED - DRB     | REVISIONS |
| PLOT DATE = 5/11/2022       | DATE - 05/11/2022 | REVISIONS |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
LOCATION 7  
IL 394, 1050 FT. SOUTH OF EXCHANGE ST**

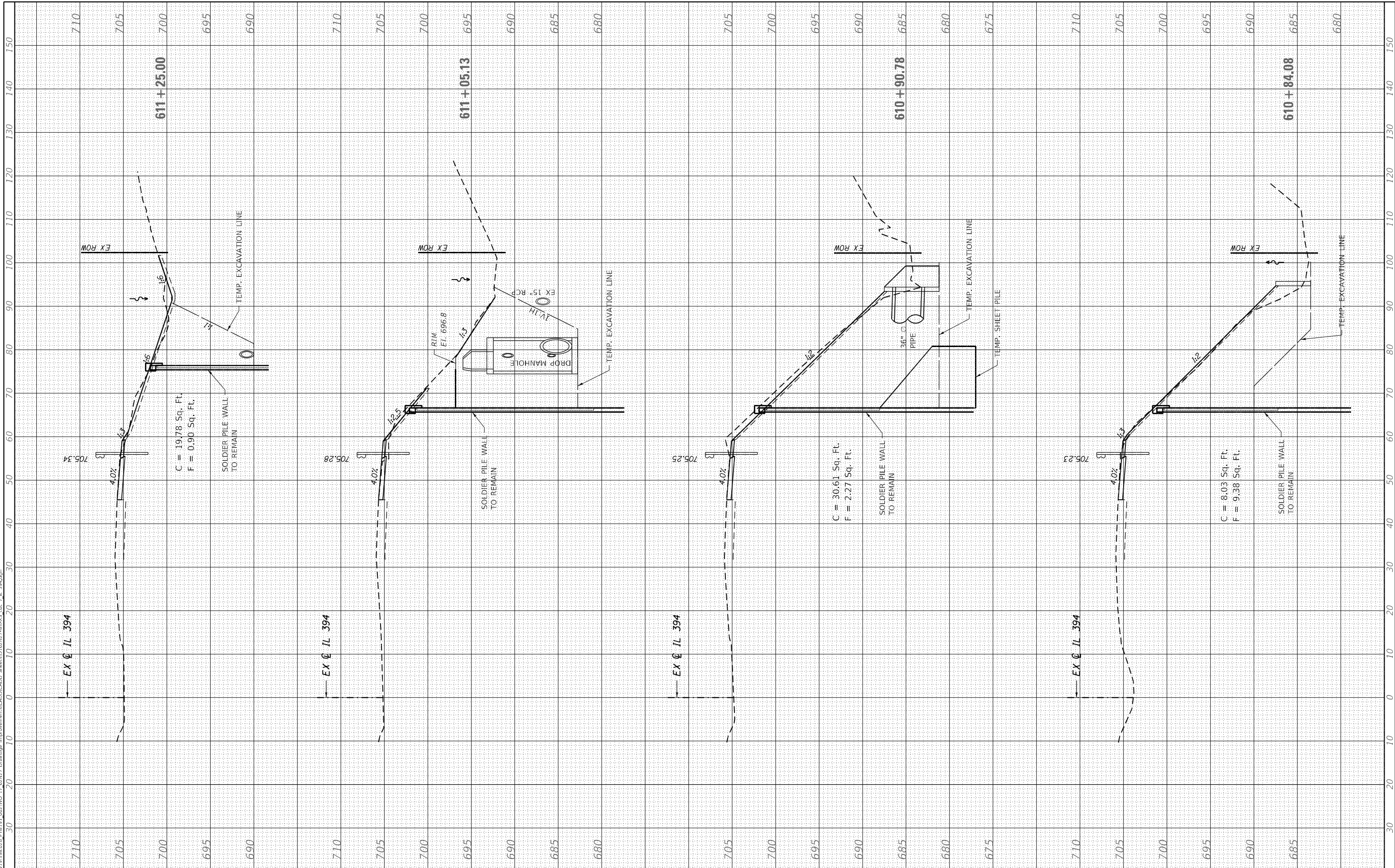
SCALE: SHEET OF SHEETS STA. 609+50.00 TO STA. 610+75.00

|             |            |                  |                    |           |
|-------------|------------|------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY           | TOTAL SHEETS       | SHEET NO. |
|             | 2020-257-T | WILL             | 83                 | 75        |
| *876 & 332  |            |                  | CONTRACT NO. 62N27 |           |
| ILLINOIS    |            | FED. AID PROJECT |                    |           |

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

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

MODEL: Definit  
 FILE NAME: S:\019\1911028.PTB\91\_1003.WD 17\_62N27 Drainage Improvements\CAUD\CADD Sheets\0162N27.dwg-XS Loc 7 IL 394.dgn



|           |              |
|-----------|--------------|
| USER NAME | = vmoahammed |
| DESIGNED  | - RG         |
| DRAWN     | - RG         |
| CHECKED   | - DRB        |
| DATE      | - 05/11/2022 |

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

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

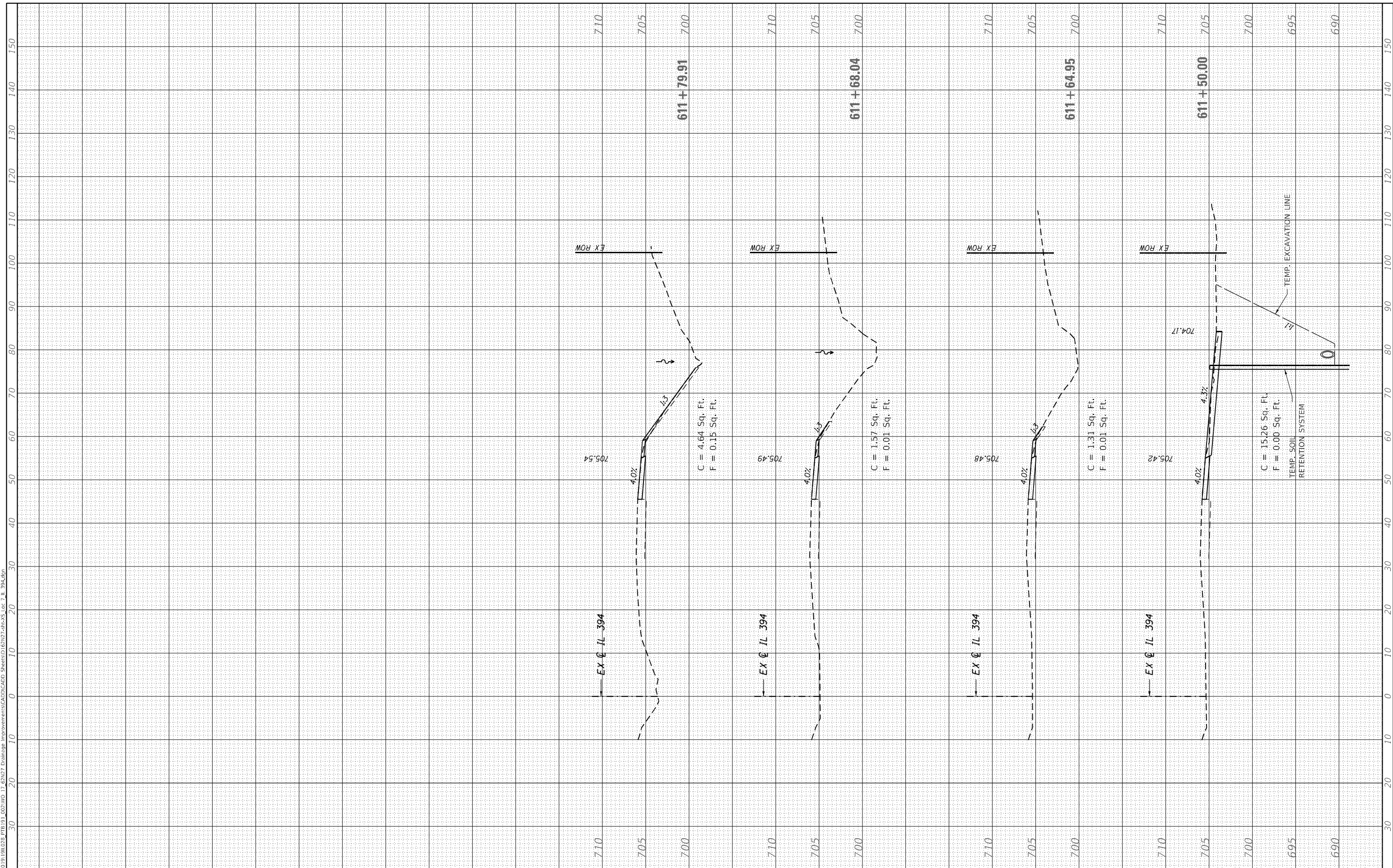
|  |       |    |                                  |
|--|-------|----|----------------------------------|
| <b>CROSS SECTIONS<br/>   LOCATION 7<br/>   IL 394, 1050 FT. SOUTH OF EXCHANGE ST</b> |       |    |                                  |
| SCALE:   | SHEET | OF | SHEETS                           |
|  |       |    | STA. 610+84.08 TO STA. 611+50.00 |

|             |            |          |                    |           |
|-------------|------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION    | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| *876 & 332  | 2020-257-T | WILL     | 83                 | 76        |
|             |            |          | CONTRACT NO. 62N27 |           |
|             |            | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: D:\mohammed\2022\62N27\Drainage Improvements\CAUD\CADD\_Sheets\0162N27.dwg; 05/11/2022 11:54:45 AM; 7.11.394.dgn



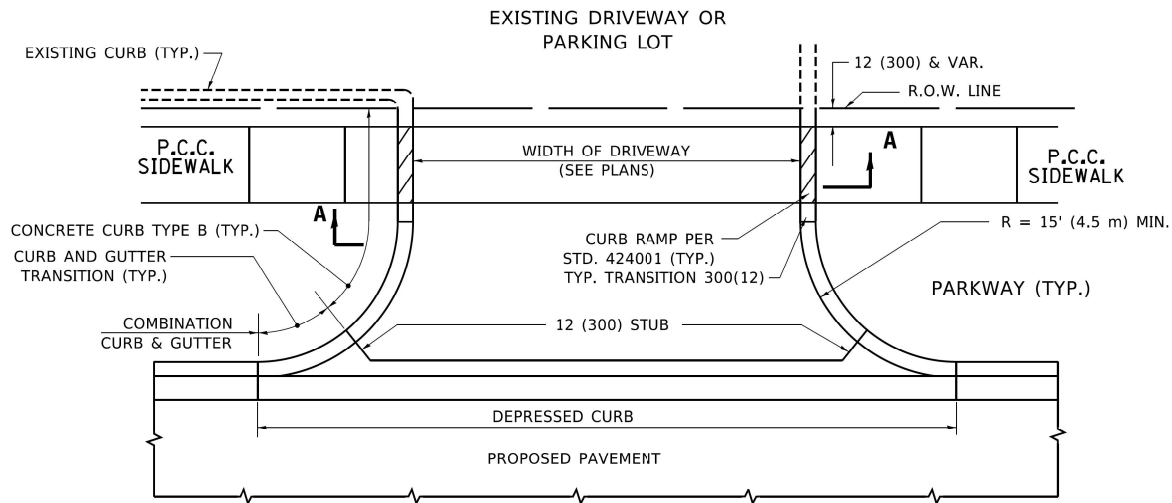
|                             |                   |           |
|-----------------------------|-------------------|-----------|
| USER NAME = vmohammed       | DESIGNED - RG     | REVISED - |
|                             | DRAWN - RG        | REVISED - |
| PLOT SCALE = 20,0000' / in. | CHECKED - DRB     | REVISED - |
| PLOT DATE = 5/11/2022       | DATE - 05/11/2022 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

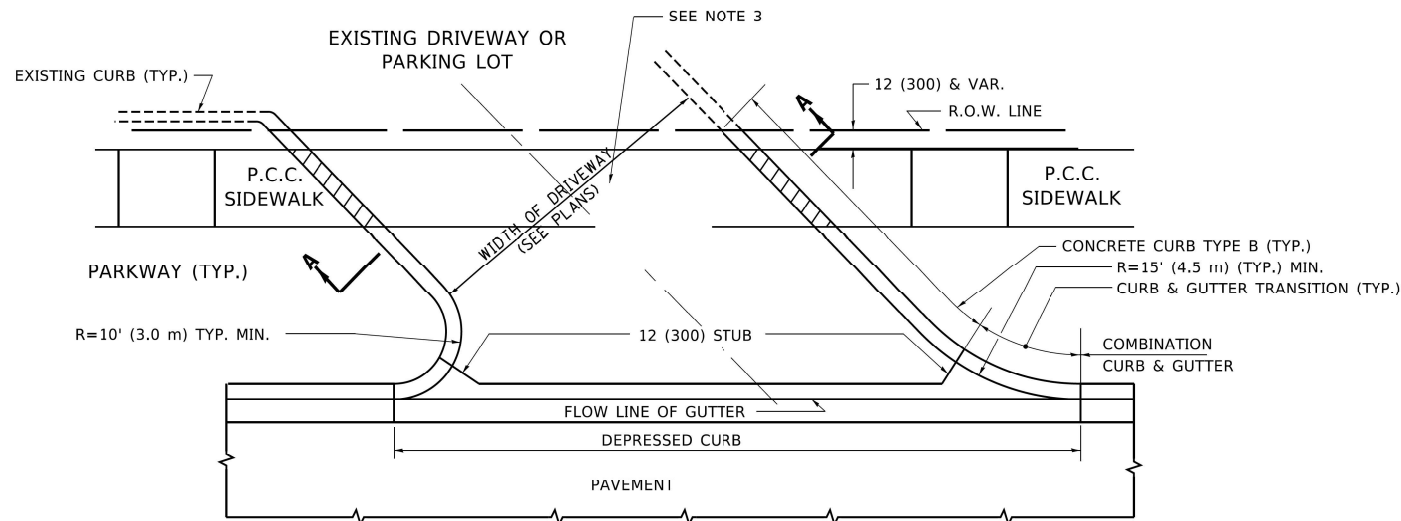
**CROSS SECTIONS  
LOCATION 7  
IL 394, 1050 FT. SOUTH OF EXCHANGE ST**

SCALE: SHEET OF SHEETS STA. 611+64.95 TO STA. 611+79.91

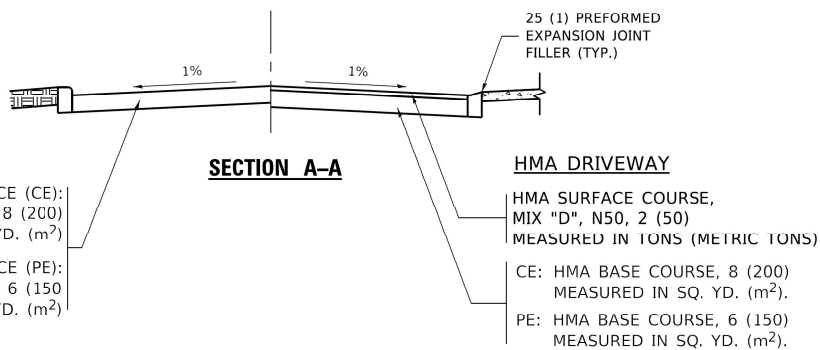
|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| '876 & 332         | 2020-257-T | WILL   | 83                        | 77        |
| CONTRACT NO. 62N27 |            |        | ILLINOIS FED. AID PROJECT |           |



**WITH CONCRETE CURB, TYPE B**



**WITH CONCRETE CURB, TYPE B**



**RIGID DRIVEWAY**

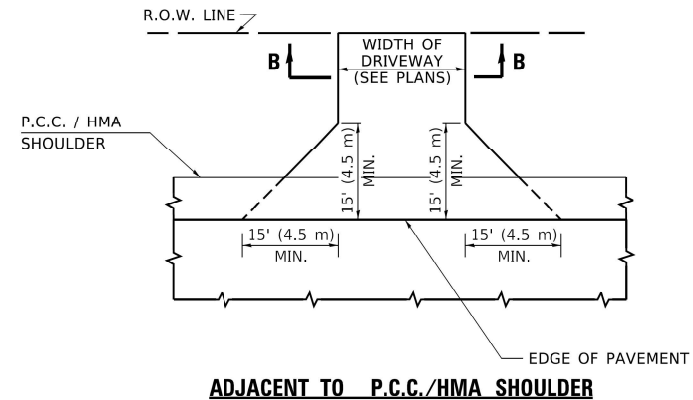
COMMERCIAL ENTRANCE (CE):  
P.C.C. DRIVEWAY PAVEMENT 8 (200)  
MEASURED IN SQ. YD. (m<sup>2</sup>)

NON-COMMERCIAL ENTRANCE (PE):  
P.C.C. DRIVEWAY PAVEMENT 6 (150)  
MEASURED IN SQ. YD. (m<sup>2</sup>)

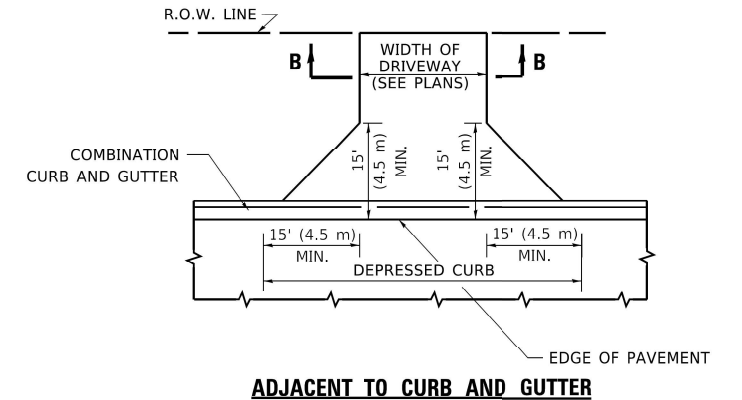
**HMA DRIVEWAY**

HMA SURFACE COURSE,  
MIX "D", N50, 2 (50)  
MEASURED IN TONS (METRIC TONS)

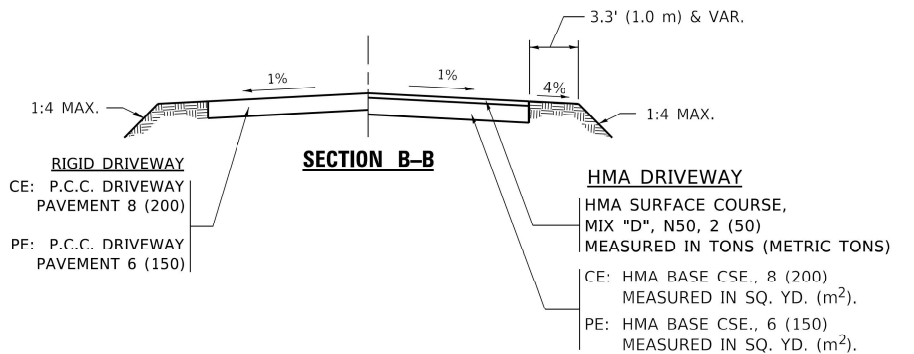
CE: HMA BASE COURSE, 8 (200)  
MEASURED IN SQ. YD. (m<sup>2</sup>).  
PE: HMA BASE COURSE, 6 (150)  
MEASURED IN SQ. YD. (m<sup>2</sup>).



**ADJACENT TO P.C.C./HMA SHOULDER**



**ADJACENT TO CURB AND GUTTER**



**SECTION B-B**

**RIGID DRIVEWAY**

CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)  
PF: P.C.C. DRIVEWAY PAVEMENT 6 (150)

**HMA DRIVEWAY**

HMA SURFACE COURSE,  
MIX "D", N50, 2 (50)  
MEASURED IN TONS (METRIC TONS)  
CE: HMA BASE CSE., 8 (200)  
MEASURED IN SQ. YD. (m<sup>2</sup>).  
PE: HMA BASE CSE., 6 (150)  
MEASURED IN SQ. YD. (m<sup>2</sup>).

**RURAL FIELD ENTRANCE (FE)**

HMA SURFACE COURSE,  
MIX "D", N50, 2 (50)  
MEASURED IN TONS (METRIC TONS)  
AGGREGATE BASE CSE., TYPE B, 8 (200)  
MEASURED IN SQ. YD. (m<sup>2</sup>).

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

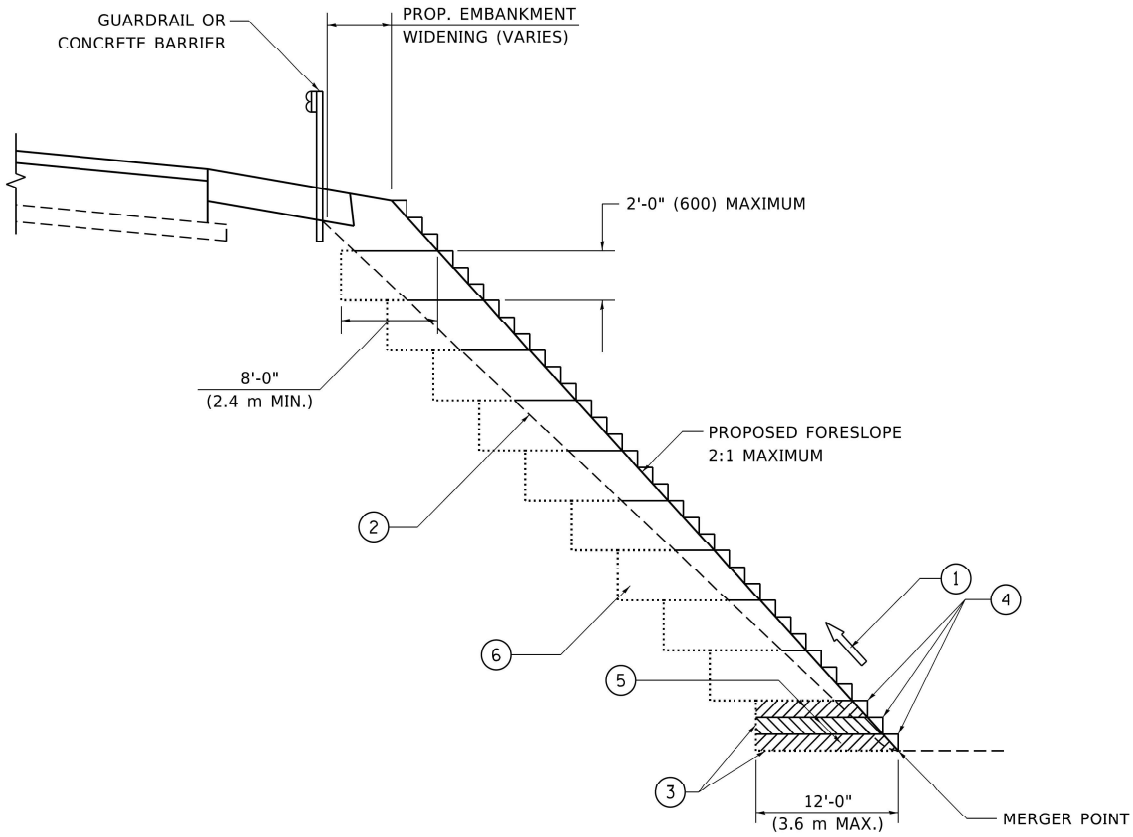
MODEL: Default  
FILE: C:\Users\paul\OneDrive\Documents\6220257\6220257.dwg  
PLOT DATE: 3/27/2019

|                             |                    |                               |
|-----------------------------|--------------------|-------------------------------|
| USER NAME = footemj         | DESIGNED - R. SHAH | REVISED - P. LOFLUER 04-15-03 |
|                             | DRAWN -            | REVISED - R. BORO 01-01-07    |
| PLOT SCALE = 50.0000' / in. | CHECKED -          | REVISED - R. BORO 06-11-08    |
| PLOT DATE = 3/27/2019       | DATE - 11-04-95    | REVISED - R. BORO 09-06-11    |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|   |                     |              |  |
|---|---------------------|--------------|--|
| <b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER ≥ 15'(4.5m)</b> |                     |              |  |
| SCALE: NONE   | SHEET 1 OF 1 SHEETS | STA. TO STA. |  |

|                           |                    |                    |                 |              |
|---------------------------|--------------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 876/334       | SECTION 2020-257-T | COUNTY WILL        | TOTAL SHEETS 83 | SHEET NO. 78 |
| <b>BD400-01 (BD-01)</b>   |                    | CONTRACT NO. 62N27 |                 |              |
| ILLINOIS FED. AID PROJECT |                    |                    |                 |              |



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**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.
- ⑥ 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.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

MODEL: Default  
FILE: \\p1\p1\cadd\projects\2019\62N27\DWG\62N27\_0616\_04.dwg  
PLOT DATE: 3/27/2019

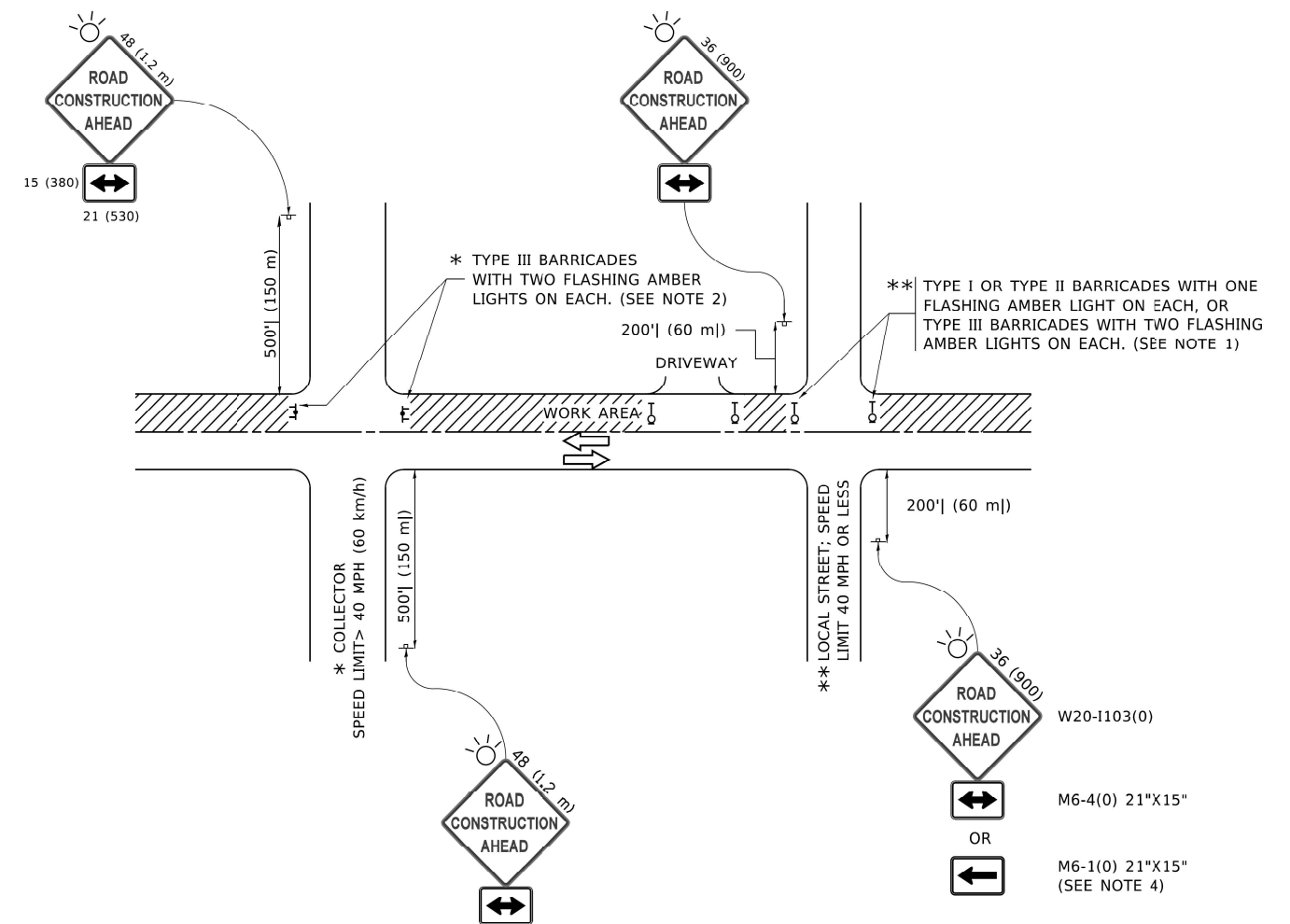
|                            |                  |           |
|----------------------------|------------------|-----------|
| USER NAME = footemj        | DESIGNED -       | REVISED - |
| PLOT SCALE = 50.0000' / 1" | DRAWN - CADD     | REVISED - |
| PLOT DATE = 3/27/2019      | CHECKED - S.E.B. | REVISED - |
|                            | 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.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 876/334                   | 2020-257-T | WILL   | 83                 | 79        |
| BD-51                     |            |        | CONTRACT NO. 62N27 |           |
| 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) 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. 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.

MODEL: Default  
 FILE: C:\Users\paulj\OneDrive\Documents\PROJECTS\2020-257-T\2020-257-T-TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS.dwg

|                            |                   |                                 |
|----------------------------|-------------------|---------------------------------|
| USER NAME = footemj        | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96    |
| PLOT SCALE = 50.0000' / 1" | DRAWN -           | REVISED - T. RAMMACHER 01-06-00 |
| PLOT DATE = 3/4/2019       | CHECKED -         | REVISED - A. SCHUETZE 07-01-13  |
|                            | DATE - 06-89      | REVISED - A. SCHUETZE 09-15-16  |

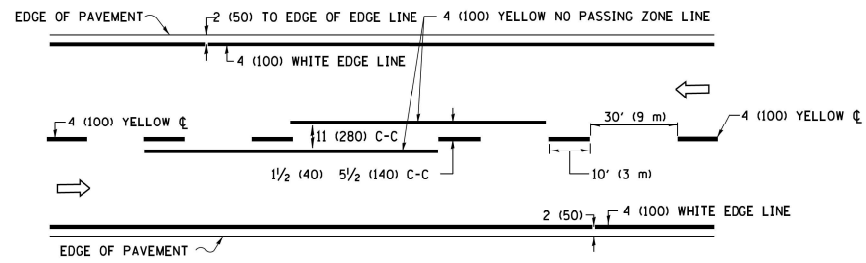
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

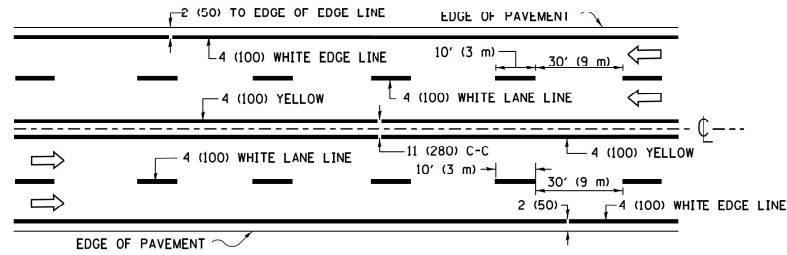
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 876/334                   | 2020-257-T | WILL   | 83                 | 80        |
| <b>TC-10</b>              |            |        | CONTRACT NO. 62N27 |           |
| ILLINOIS FED. AID PROJECT |            |        |                    |           |

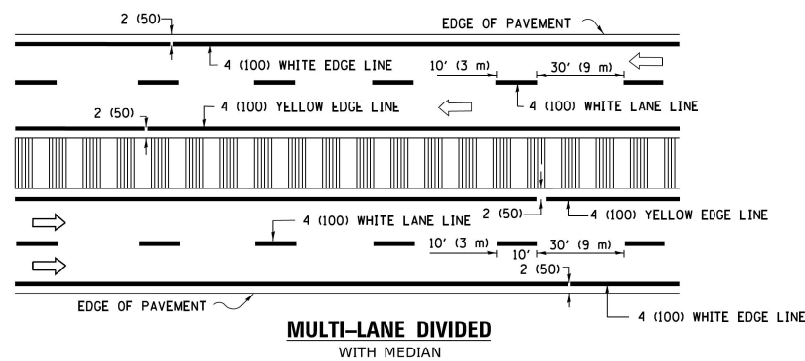




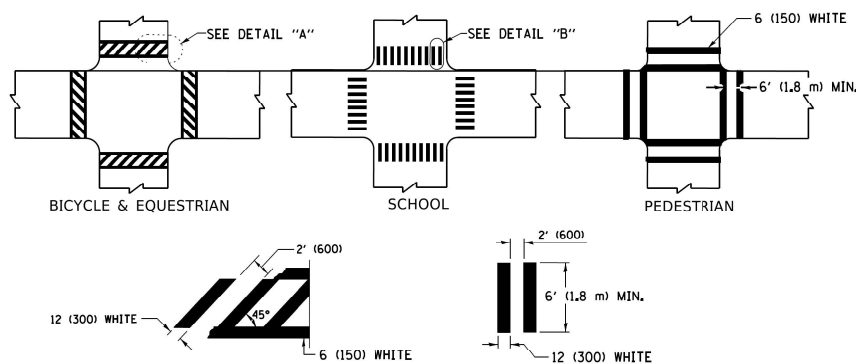
### 2-LANE ROADWAY



### MULTI-LANE UNDIVIDED

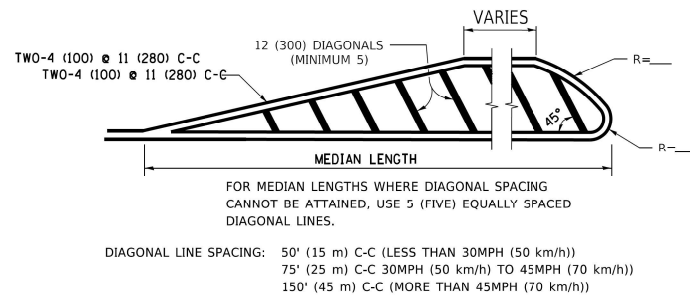
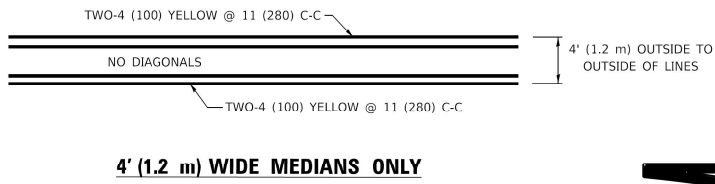


### TYPICAL LANE AND EDGE LINE MARKING

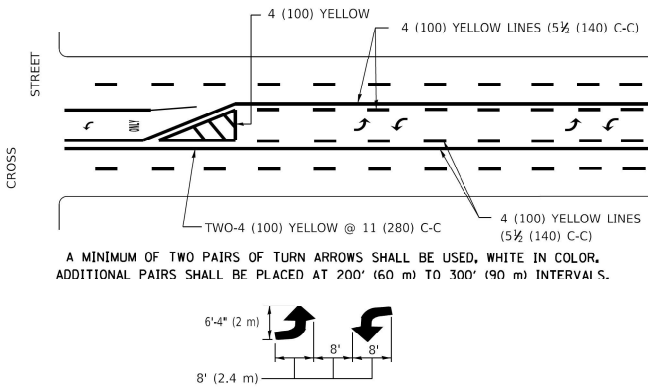


### TYPICAL CROSSWALK MARKING

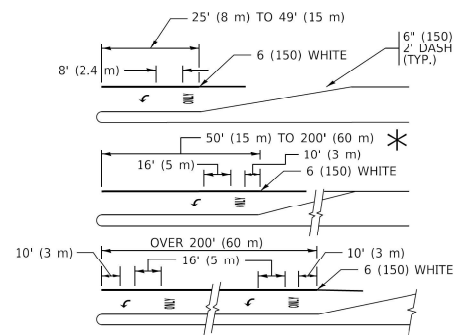
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



### MEDIANS OVER 4' (1.2 m) WIDE



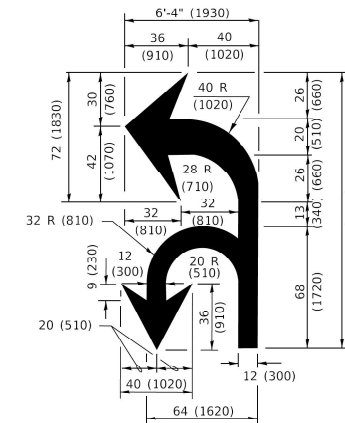
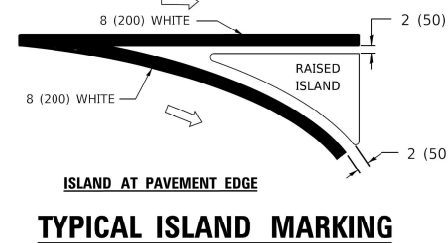
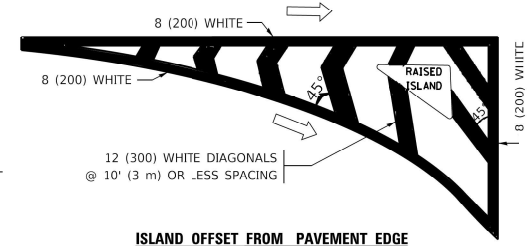
### MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



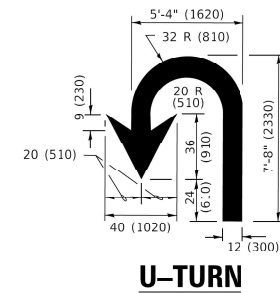
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* 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



### COMBINATION LEFT AND U-TURN



**LANE REDUCTION TRANSITION**  
\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

| D(FT) | SPEED LIMIT |
|-------|-------------|
| 345   | 30          |
| 425   | 35          |
| 500   | 40          |
| 580   | 45          |
| 665   | 50          |
| 750   | 55          |

| 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: FOR ONE DIRECTION FOR BOTH DIRECTIONS                                      | 4 (100)<br>2 @ 4 (100)   | SOLID<br>SOLID               | YELLOW/<br>YELLOW                                       | 5 1/2 (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 (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) EACH DIRECTION<br>8' (2.4 m) LEFT ARROW  | SKIP-DASH AND SOLID IN PAIRS | YELLOW<br>WHITE   | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (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 <sup>2</sup> ) EACH<br>"X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )                                     |
| 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.

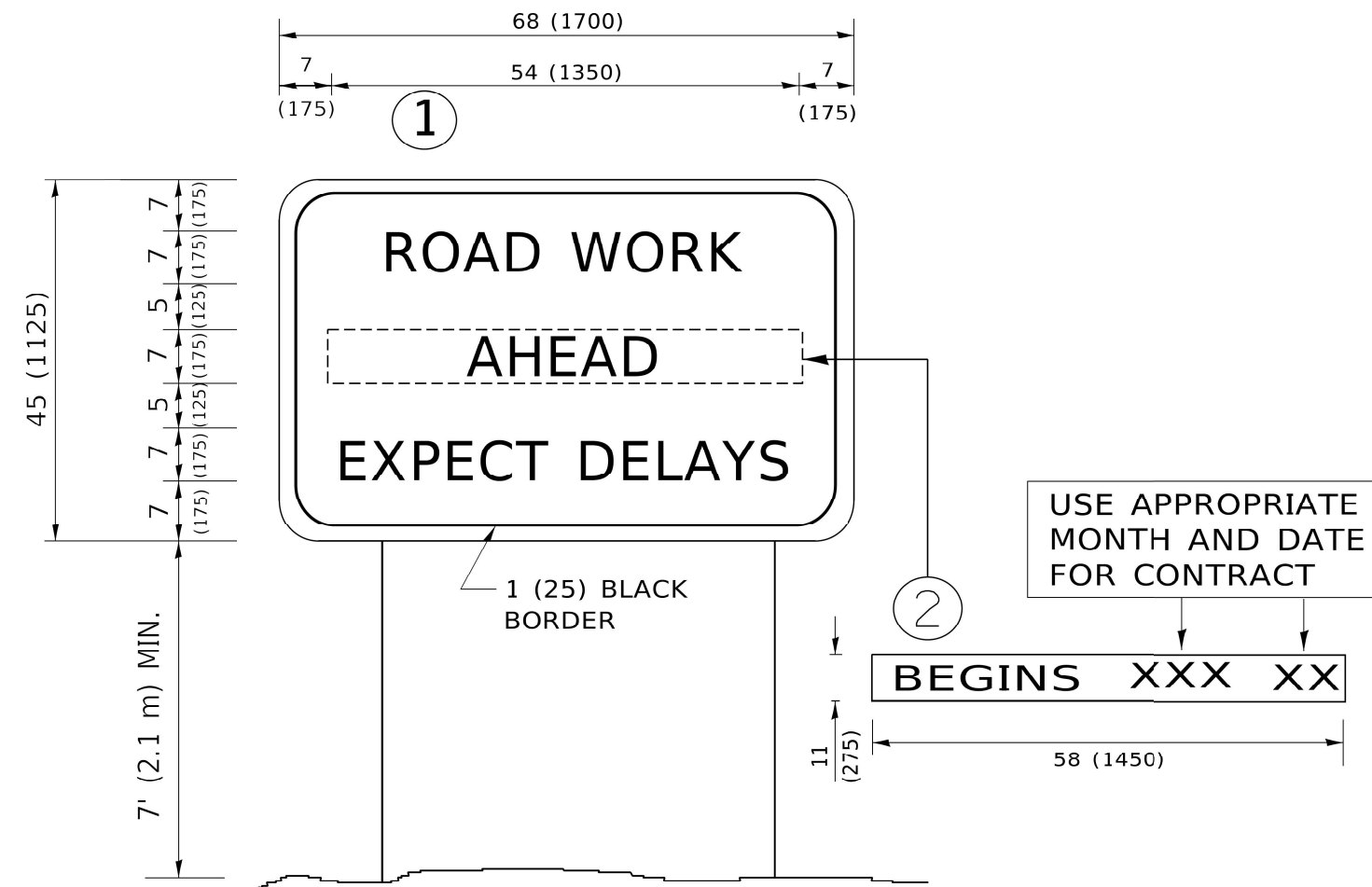
All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default  
FILE: C:\Users\paulmiller\Documents\Projects\2019\03\2019\_03\_19\_2019\03\_19\_2019.dwg  
DATE: 3/19/2019 10:34:37 AM

|                             |                  |                              |
|-----------------------------|------------------|------------------------------|
| USER NAME = footemj         | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| PLOT SCALE = 50.0000" / ft. | DRAWN -          | REVISED - C. JUCIUS 07-01-13 |
| PLOT DATE = 3/4/2019        | CHECKED -        | REVISED - C. JUCIUS 12-21-15 |
|                             | DATE - 03-19-90  | REVISED - C. JUCIUS 04-12-16 |

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| DISTRICT ONE<br>TYPICAL PAVEMENT MARKINGS |                     | F.A.P. RTE. | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
|---|---------------------|-------------|------------|--------------------|--------------|-----------|
| SCALE: NONE                               | SHEET 1 OF 2 SHEETS | 876/334     | 2020-257-T | WILL               | 83           | 81        |
| STA. TO STA.                              |                     | TC-13       |            | CONTRACT NO. 62N27 |              |           |
|   |                     | ILLINOIS    |            | FED. AID PROJECT   |              |           |



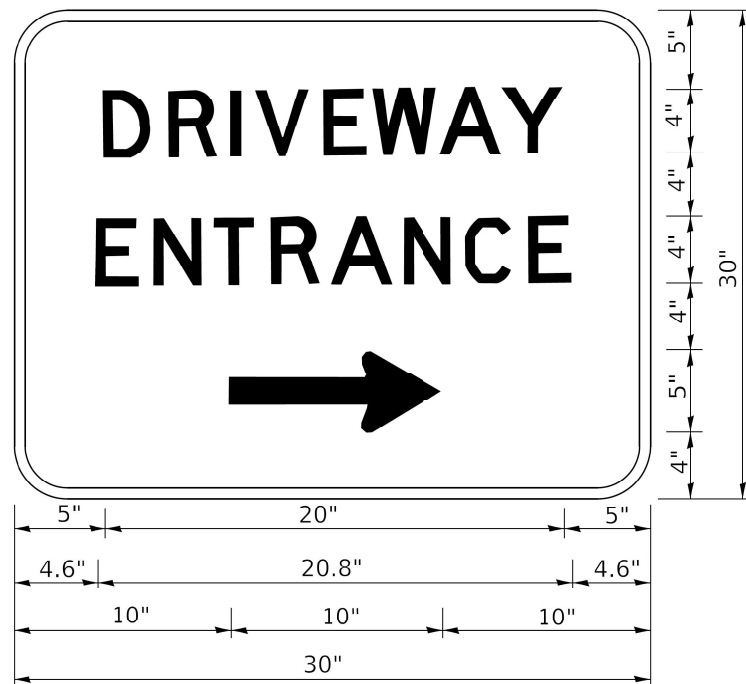
**NOTES:**

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.

MODEL: Default  
FILE: C:\Users\paul\OneDrive\Documents\PROJECTS\622N27\622N27-01\622N27-01.dwg  
DATE: 3/4/2019 10:48:10 AM

|                             |            |                                 |   |   |                     |                     |                    |             |                    |              |
|-----------------------------|------------|---------------------------------|---|---|---------------------|---------------------|--------------------|-------------|--------------------|--------------|
| USER NAME = footemj         | DESIGNED - | REVISED - R. MIRS 09-15-97      | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>ARTERIAL ROAD<br/>INFORMATION SIGN</b> |                     | F.A.P. RTE. 876/334 | SECTION 2020-257-T | COUNTY WILL | TOTAL SHEETS 83    | SHEET NO. 82 |
| PLOT SCALE = 50.0000' / in. | CHECKED -  | REVISED - T. RAMMACHER 02-02-99 |   | SCALE: NONE                               | SHEET 1 OF 1 SHEETS | STA. TO STA.        | <b>TC-22</b>       |             | CONTRACT NO. 62N27 |              |
| PLOT DATE = 3/4/2019        | DATE -     | REVISED - C. JUCIUS 01-31-07    |   | ILLINOIS FED. AID PROJECT                 |                     |                     |                    |             |                    |              |



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: C:\Users\paul\OneDrive\Documents\PROJECTS\2020\2020-257-T\2020-257-T.dwg  
 PLOT DATE: 3/4/2019 10:25 AM

|                             |            |                              |
|-----------------------------|------------|------------------------------|
| USER NAME = footemj         | DESIGNED - | REVISED - C. JUCIUS 02-15-07 |
| PLOT SCALE = 50.0000' / in. | DRAWN -    | REVISED -                    |
| PLOT DATE = 3/4/2019        | CHECKED -  | REVISED -                    |
|                             | DATE -     | REVISED -                    |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|------------|--------|--------------------|-----------|
| 876/334                   | 2020-257-T | WILL   | 83                 | 83        |
| TC-26                     |            |        | CONTRACT NO. 62N27 |           |
| ILLINOIS FED. AID PROJECT |            |        |                    |           |