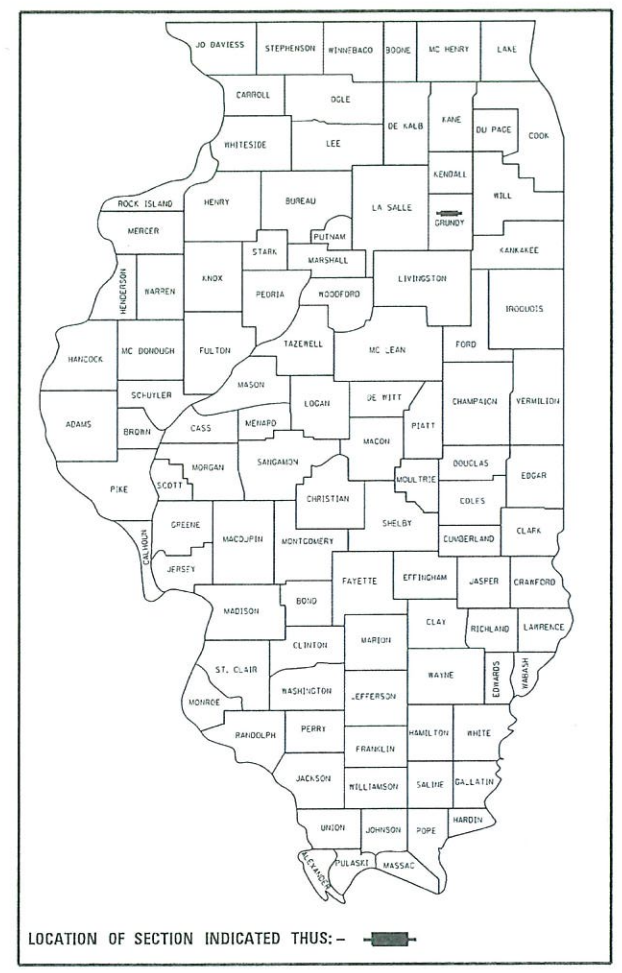


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| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 1 |
| CONTRACT# 87893 | | WHA# 1464024 | | |
| ILLINOIS | | | | |

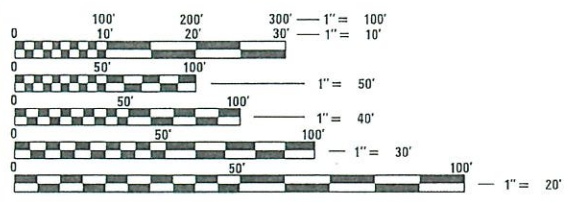
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| 1 | COVER SHEET |
| 2 | GENERAL NOTES AND STANDARDS |
| 3 - 4 | SUMMARY OF QUANTITIES |
| 5 - 7 | SCHEDULE OF QUANTITIES |
| 8 - 9 | TYPICAL SECTIONS |
| 10 - 11 | REMOVAL PLAN |
| 12 - 13 | PLAN AND PROFILE |
| 14 - 23 | SWPPP |
| 24 - 25 | EROSION CONTROL |
| 26 - 27 | GRADING PLAN |
| 28 - 30 | SIDEWALK DETAILS |
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| 47 - 48 | 27X36 PPC DECK BEAM DETAILS PEDESTRIAN |
| 49 - 50 | 27X48 PPC DECK BEAM DETAILS |
| 51 - 52 | 27X48 PPC DECK BEAM DETAILS PEDESTRIAN |
| 53 - 55 | WEST ABUTMENT DETAILS |
| 56 - 58 | EAST ABUTMENT DETAILS |
| 59 - 60 | PIER DETAILS |
| 61 | PRECAST MODULAR RETAINING WALL DETAILS |
| 62 | HP PILE DETAILS |
| 63 - 64 | STEEL RAILING TYPE SM |
| 65 - 67 | BICYCLE RAILING |
| 68 - 70 | SOIL BORINGS |
| 71 - 79 | EXISTING PLANS |
| 80 - 91 | CROSS SECTIONS |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID PROJECT
SURFACE TRANSPORTATION
BRIDGE (FY-25)
SECTION NO: 24-00202-00-BR
FAS 293 (RICE ROAD) OVER E. FORK MAZON RIVER
PROJECT NO: IVXY(906)
BRIDGE REPLACEMENT
GRUNDY COUNTY
C-93-010-26



FOR HIGHWAY STANDARDS,
 UTILITIES, PROJECT HORIZONTAL AND
 VERTICAL CONTROL - SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR (URBAN)
DESIGN SPEED: 30 MPH
2025 ADT = 1625
P.V. = 97.4% S.U. = 1.9% M.U. = 0.7%



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

J.U.L.I.E. X241870313
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

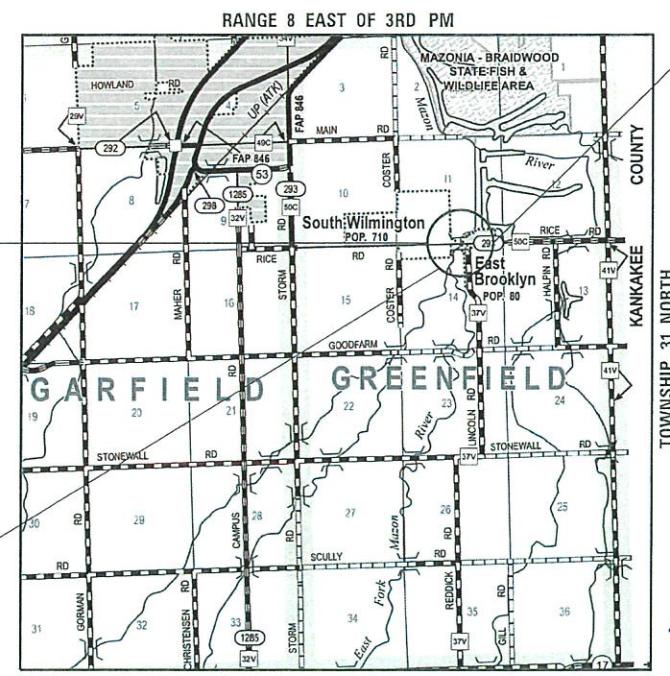
PROJECT ENGINEER - ATK
PROJECT MANAGER - MRL

CONTRACT NO. 87893

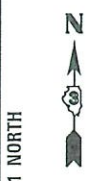
ATTENTION CONTRACTORS
 THE ILLINOIS DEPARTMENT OF TRANSPORTATION
 BUREAU OF MATERIALS AND PHYSICAL RESEARCH,
 "PROJECT PROCEDURES GUIDE" IS APPLICABLE TO
 THIS PROJECTS

PROJECT BEGINS
STATION 16 + 25

PROPOSED STRUCTURE: S.N. 032-3336
 A THREE SPAN (3 AT 65'-7 7/8") PPC DECK BEAM
 BRIDGE WITH A 30'-0" ROADWAY WIDTH ON
 SPILL THRU ABUTMENTS AND SOLID WALL PIERS
 ON PILE SUPPORTED FOOTINGS. AT STA. 20 + 00.
 30 DEGREE SKEW LT. AHD.



PROJECT ENDS
STATION 23 + 50



DATE: **02 / 09 / 2026**
 EXPIRES 11/30/27

GROSS LENGTH = 725 FT = 0.137 MILE
 NET LENGTH = 725 FT = 0.137 MILE



| | |
|---|---|
| GRUNDY COUNTY HIGHWAY DEPARTMENT | |
| APPROVED | <i>February 4, 2026</i> <i>[Signature]</i> GRUNDY COUNTY ENGINEER |
| PASSED | <i>FEBRUARY 20, 2026</i> <i>[Signature]</i> DISTRICT 3 LOCAL ROADS & STREETS ENGINEER |
| RELEASING FOR BID BASED ON LIMITED REVIEW | <i>FEBRUARY 19, 2026</i> <i>[Signature]</i> REGION 2 ENGINEER |
| PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS | |

WILLETT HOFMANN
 & ASSOCIATES INC
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T. 815-284-3381 DESIGN FIRM: #184-000918

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PROJECT CONTROL

| VERTICAL CONTROL | | | | |
|------------------|-----------------------|-----------|--------------------------------------|------------------|
| BENCHMARK | STATION | ELEVATION | DESCRIPTION | CULVERT LOCATION |
| WHA 400 | 38.10' RT 10+19.07 | 787.99 | RR SPIKE IN PP S/E CORNER OF CULVERT | WEST |
| WHA 401 | 38.44' RT 7+21.47 | 787.91 | RR SPIKE IN 1ST PP WEST OF CULVERT | WEST |
| WHA 402 | 31.42' LT 20+55.91 | 716.04 | RR SPIKE IN 1ST PP EAST OF CULVERT | EAST |
| WHA 403 | 37.52' RT 18+69.49 | 718.59 | RR SPIKE IN 1ST PP WEST OF CULVERT | EAST |

| HORIZONTAL CONTROL | | | | | | |
|--------------------|-----------------------|------------|------------|-----------|-----------------|------------------|
| POINT # | STATION | NORTHING | EASTING | ELEVATION | DESCRIPTION | CULVERT LOCATION |
| WHA 31 | 24.94' RT 21+26.06 | 2089529.31 | 2599632.37 | 718.74 | ¾" IP | EAST |
| WHA 32 | 25.46' LT 19+19.08 | 2089572.65 | 2599423.80 | 716.05 | ¾" IP | EAST |
| WHA 34 | 18.00' LT 13+41.23 | 2089160.04 | 2586595.90 | 797.30 | IP W/CAP (FGA) | WEST |
| WHA 35 | 14.74' RT 8+60.95 | 2089117.53 | 2586116.39 | 789.24 | IP W/CAP (FGA) | WEST |
| WHA 150 | 16.35' LT 6+58.00 | 2089144.49 | 2585912.85 | 788.76 | IPS W/CAP (WHA) | WEST |
| WHA 151 | 46.67' RT 19+15.35 | 2089500.43 | 2599422.52 | 716.71 | IPS W/CAP | EAST |

HIGHWAY STANDARDS

| | |
|-------------|--|
| 000001 - 09 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001 - 02 | AREAS OF REINFORCEMENT BARS |
| 001006 - | DECIMAL OF AN INCH AND OF A FOOT |
| 280001 - 07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420406 - | PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB |
| 515001 - 04 | NAME PLATES FOR BRIDGES |
| 542306 - 03 | PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION |
| 601001 - 05 | PIPE UNDERDRAINS |
| 601101 - 02 | CONCRETE HEADWALL FOR PIPE UNDERDRAINS |
| 606001 - 09 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 630001 - 13 | STEEL PLATE BEAM GUARDRAIL |
| 630301 - 09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 630111 - 01 | WEAK POST GUARDRAIL ATTACHED TO CULVERT |
| 631031 - 18 | TRAFFIC BARRIER TERMINAL TYPE 6 |
| 635001 - 02 | DELINEATORS |
| 701201 - 05 | LANE CLOSURE, 2L 2W, DAY ONLY 45MPH OR MORE |
| 701301 - 04 | LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS |
| 701311 - 03 | LANE CLOSURE, 2L 2W, MOVING OPERATIONS DAY ONLY |
| 701901 - 11 | TRAFFIC CONTROL DEVICES |
| 720001 - 01 | SIGN PANEL MOUNTING DETAILS |
| 720006 - 04 | SIGN PANEL ERECTION DETAILS |
| 720011 - 01 | METAL POSTS FOR SIGNS MARKERS AND DELINEATORS |
| 725001 - 01 | OBJECT AND TERMINAL MARKERS |
| 728001 - 01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001 - 01 | APPLICATIONS OF TYPE A AND B METAL POSTS |
| 780001 - 05 | TYPICAL PAVEMENT MARKINGS |
| 782006 - 01 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |
| BLR22 - 7 | TYPICAL APP OF TRAFFIC CONTROL DEVICES FOR CONST ON RURAL LOCAL HIGHWAYS |

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION IN ORDER TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION. WORK PERFORMED OR MATERIALS AND EQUIPMENT INSTALLED WITHOUT INSPECTION MAY BE CONSIDERED UNACCEPTABLE AT THE DISCRETION OF THE ENGINEER AND WILL HAVE TO BE REPLACED AT NO COST TO THE ENGINEER OR OWNER.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL EQUIPMENT, MATERIAL AND CONSTRUCTION METHODS ADHERE TO THE REQUIREMENTS AND STIPULATIONS OF THE MOST CURRENT EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL CONSTRUCTION MATERIALS WITHIN THE RIGHT-OF-WAY MUST BE IDOT CERTIFIED. DOCUMENTATION OF MATERIAL CERTIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO INSTALLATION FOR APPROVAL. ALL CONSTRUCTION MATERIAL NEEDING INSPECTION SHALL BE DONE ACCORDING TO THE LATEST IDOT PROJECT AND PROCEDURES GUIDE.

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND SECTION OR SUBSECTION MONUMENTS ENCOUNTERED UNTIL AN OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKERS AND SECTION OR SUBSECTION MONUMENTS, UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

EXISTING MAIL BOXES, STREET SIGNS AND TRAFFIC SIGNS THAT ARE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, PROTECTED AND RESET BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION. THE COST OF REMOVING AND RESETTING IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION (SPECIAL). THE CONTRACTOR SHALL VERIFY THE LOCATIONS WITH THE ENGINEER PRIOR TO RESETTING.

GENERAL NOTES (CONT.)

SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING TREES. NO ROOTS SHALL REMAIN EXPOSED FOR LONGER THAN 24 HOURS. ALL TREE PROTECTION MEASURES SHALL BE IN ACCORDANCE WITH ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE PER CUBIC YARD OF EARTH EXCAVATION (SPECIAL).

EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WALLS, CISTERNS, TANKS, WELLS OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT OF WAY SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.04 OF THE STANDARD SPECIFICATIONS, WITHOUT ANY ADDITIONAL COMPENSATION, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.

WHERE THE PROPOSED CONSTRUCTION MEETS AN EXISTING BITUMINOUS OR CONCRETE SURFACE, OR WHERE SAW CUTTING IS STATED ON THE PLANS, THE EXISTING SURFACE SHALL BE SAWED IN A NEAT STRAIGHT LINE FOR THE FULL DEPTH OF THE PAVEMENT. THE COST OF SAW CUTTING IS TO BE INCLUDED WITH THE UNIT BID PRICES FOR REMOVAL ITEMS WITHIN THE CONTRACT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR SAW CUTTING.

ALL BORROW / WASTE / USE SITES MUST BE APPROVED BY THE DEPARTMENT / OWNER PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTH MOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

SEE CROSS SECTION SHEETS WITHIN THIS PLAN SET FOR DETAILS ON SPECIAL DITCHES AND DESIRED FORE SLOPES, DITCH DEPTHS, AND BACK SLOPES.

ALL PAVEMENT SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO ANY PAVEMENT MARKING OPERATIONS.

THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAYS PRODUCTIVITY, BUT NO MORE THAN FIVE (5) DAYS IN ADVANCE OF THE PLACEMENT OF HMA, UNLESS APPROVED BY THE ENGINEER.

ALL DUST ON-SITE SHALL BE CONTROLLED BY THE USE OF WATER BASED PRODUCTS ONLY. NO OILS OR PETROLEUM BASED AGENTS SHALL BE PERMITTED FOR DUST CONTROL.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUIRED DUE TO DELAYS OR UNSTABLE MATERIALS CREATED AS A RESULT THEREOF.

AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL SWEEP OR CLEAN (NOT FLUSH) ANY CONSTRUCTION MATERIAL FROM THE STREET TO PREVENT TRACKING. THE ENGINEER SHALL HAVE AUTHORIZATION TO DETERMINE THE ADEQUACY OF THE CONTRACTOR'S EROSION CONTROL EFFORTS. THE DEPARTMENT / OWNER SHALL HAVE AUTHORITY TO SUSPEND OR LIMIT THE CONTRACTOR'S OPERATIONS PENDING ADEQUATE PERFORMANCE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES THROUGHOUT THE COURSE OF THE PROJECT. THE COST FOR ALL MAINTAINED AND ADJUSTMENTS TO THE EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR EACH EROSION CONTROL DEVICE.

ANYTIME DURING CONSTRUCTION OPERATIONS, IF ANY DEBRIS IS DEPOSITED INTO THE FLOW LINE OF ANY DRAINAGE STRUCTURE, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE HAS BEEN OBSTRUCTED, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REMOVE THIS DEBRIS PRIOR TO THE CLOSE OF EACH WORKING DAY, AND ENSURE POSITIVE DRAINAGE THROUGH ALL STRUCTURES, STORM SEWERS, DITCHES, ETC. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS FOR THIS PROJECT, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL FIELD TILES, UNDERGROUND AND SURFACE UTILITIES AS OUTLINED IN SECTION 107 OF THE STANDARD SPECIFICATIONS. ANY FIELD TILE OR UTILITY DAMAGED DURING CONSTRUCTION REGARDLESS IF THEY ARE SHOW ON THE PLANS SHALL BE REPAIRED IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS REQUIRED TO PROTECT THE VARIOUS UTILITIES DURING CONSTRUCTION. ANY DAMAGE THAT OCCURS TO THE VARIOUS UTILITIES DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS.

IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT JULIE AND COORDINATE THE UTILITY LOCATE (JULIE'S NUMBER IS 800 - 892 - 0123). A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE FOLLOWING LISTED UTILITIES ARE LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS, AND ARE MEMBERS OF JULIE:

GENERAL NOTES (CONT.)

| Name, Address & Phone Number of Utility | TYPE | LOCATION | ESTIMATED DATE OF COMPLETION |
|--|--------------|---|--------------------------------|
| AT&T ATTN: EM: G11629@ATT.COM PH: COMED ATTN: PH: EM: PlanSubmittalsandMapRequests@exeloncorp.com | Fiber | Aerial - North of CL over Creek Buried - Outside of Creek Limits | N/A - No Anticipated Conflicts |
| Grundy County Highway Department ATTN: Stephanie Janczak PH: 815-942-0363 EM: SJANCZAK@GRUNDYCOUNTYIL.GOV | Electricity | Aerial - North of CL | N/A - No Anticipated Conflicts |
| ATTN: Karey Johnson PH: (630) 388-2923 EM: karejohn@southernco.com EM: Gasmaps@southernco.com | Storm Sewer | Buried - North of CL | Within Project Scope |
| Village of South Wilmington ATTN: Casey McCollom PH: 815-942-1402 EM: caseym@chamlin.com | Gas | Buried - North of CL | Coordination in Progress |
| Mediacom ATTN: Chris Minard PH: 815-716-0582 EM: CMINARD@MEDIACOMCC.COM ATTN: Todd Pfeifer PH: 815-549-5059 EM: tpfeifer@mediacomcc.com | Water | Buried - North of CL | Coordination in Progress |
| Sweb Sanitary ATTN: Tyler Valiente PH: 815-955-8341 EM: tjwwsolutions@gmail.com | Fiber & Coax | Aerial - North of CL | N/A - No Anticipated Conflicts |
| | Sanitary | Buried North of CL | N/A - No Anticipated Conflicts |

IF THERE ARE ANY UTILITIES WHICH ARE NOT MEMBERS OF JULIE THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THIS AND REQUESTING SAID UTILITIES TO FIELD VERIFY AND MARK PERTINENT UTILITY LOCATIONS.

COMMITMENTS

NPDES PERMIT SHALL BE OBTAINED PRIOR TO THE START OF THE CONSTRUCTION ACTIVITIES.

COORDINATION WITH PUBLIC SERVICE PROCESS SHALL OCCUR AT LEAST 48 HOURS PRIOR TO THE CLOSURE OF THE ROAD FOR CONSTRUCTION.

HOT-MIX ASPHALT MIX CHART

| LOCATIONS: | ENTIRE PROJECT | ENTIRE PROJECT | ENTIRE PROJECT | ENTIRE PROJECT | ENTIRE PROJECT |
|--|----------------|----------------|------------------------|---------------------|--------------------|
| MIXTURE USE(S): | HMA SURFACE | HMA BINDER | HMA SHLDR. BOTTOM LIFT | HMA SHLDR. TOP LIFT | BRIDGE HMA SURFACE |
| BINDER GRADE (PG): | PG 64-22 | PG 64-22 | PG 64-22 | PG 64-22 | PG 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ N50 | 4.0% @ N50 | 4.0% @ N50 | 4.0% @ N50 | 4.0% @ N50 |
| MIXTURE COMPOSITION: (MIXTURE GRADATION) | IL-9.5 | IL-19.0 | IL-19.0 | IL-9.5 | IL-9.5FG |
| FRICITION AGGREGATE: | MIXTURE C | - | - | MIXTURE C | MIXTURE C |
| MIXTURE WEIGHT: | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN |
| QUALITY MANAGEMENT PROGRAM: | QC/QA | QC/QA | QC/QA | QC/QA | QC/QA |
| SUBLOT SIZE: | N/A | N/A | N/A | N/A | N/A |
| DESNSITY TEST METHOD: | CORES/NUCLEAR | CORES/NUCLEAR | CORES/NUCLEAR | CORES/NUCLEAR | SPECIAL PROVISION |
| MATERIAL TRANSFER DEVICE (REQUIRED): | NO | NO | NO | NO | NO |

| REVISION | DATE | BY | REMARKS | DESIGNED | ATK |
|----------|------|----|---------|----------|-----|
| | | | | DRAWN | DAL |
| | | | | REVIEWED | ATK |
| | | | | APPROVED | MRL |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



GENERAL NOTES AND STANDARDS

SHEET 1 OF 1 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 2 |
| CONTRACT# 87893 | | | WHA* 1464024 | |
| ILLINOIS | | | | |

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SUMMARY OF QUANTITIES

| PAY CODE | PAY ITEM | UNIT | TOTAL QUANTITY |
|----------|--|-------|----------------|
| 20300100 | CHANNEL EXCAVATION | CU YD | 466 |
| 20800150 | TRENCH BACKFILL | CU YD | 19 |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 1368 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 34 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 920 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 1 |
| 28001100 | TEMPORARY EROSION CONTROL BLANKET | SQ YD | 1368 |
| 30300112 | AGGREGATE SUBGRADE IMPROVEMENT 12" | SQ YD | 1939 |
| 35101400 | AGGREGATE BASE COURSE, TYPE B | TON | 108 |
| 40600275 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 4135 |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 418 |
| 40600370 | LONGITUDINAL JOINT SEALANT | FOOT | 571 |
| 40603080 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | TON | 315 |
| 40604000 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50 | TON | 75 |
| 40604050 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 | TON | 136 |
| 42000070 | PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB | SQ YD | 62 |

+ INDICATES SPECIALTY ITEM

| PAY CODE | PAY ITEM | UNIT | TOTAL QUANTITY |
|----------|---|-------|----------------|
| 42300300 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH | SQ YD | 108 |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 3019 |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 20 |
| 48101500 | AGGREGATE SHOULDERS, TYPE B 6" | SQ YD | 47 |
| 48203100 | HOT-MIX ASPHALT SHOULDERS | TON | 65 |
| 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 |
| 50200100 | STRUCTURE EXCAVATION | CU YD | 133 |
| 50200300 | COFFERDAM EXCAVATION | CU YD | 114 |
| 50201101 | COFFERDAM (TYPE 1) (LOCATION - 1) | EACH | 1 |
| 50201102 | COFFERDAM (TYPE 1) (LOCATION - 2) | EACH | 1 |
| 50300225 | CONCRETE STRUCTURES | CU YD | 269.9 |
| 50300280 | CONCRETE ENCASEMENT | CU YD | 8.8 |
| 50300300 | PROTECTIVE COAT | SQ YD | 159 |
| 50301350 | CONCRETE SUPERSTRUCTURE (APPROACH SLAB) | CU YD | 86.2 |
| 50400505 | PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH) | SQ FT | 7437 |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 62490 |

+ INDICATES SPECIALTY ITEM

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | ATK |
| APPROVED | MRL |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



WILLETT HOFMANN & ASSOCIATES INC
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

SUMMARY OF QUANTITIES

SHEET 1 OF 2 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 3 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

SUMMARY OF QUANTITIES

| PAY CODE | PAY ITEM | UNIT | TOTAL QUANTITY |
|------------|---|-------|----------------|
| + 50901050 | STEEL RAILING, TYPE SM | FOOT | 433 |
| + 50901720 | BICYCLE RAILING | FOOT | 480 |
| 51201800 | FURNISHING STEEL PILES HP14X73 | FOOT | 1778 |
| 51202305 | DRIVING PILES | FOOT | 1778 |
| 51203800 | TEST PILE STEEL HP14X73 | EACH | 4 |
| 51204650 | PILE SHOES | EACH | 48 |
| 51500100 | NAME PLATES | EACH | 1 |
| 52200700 | PRECAST MODULAR RETAINING WALL | SQ FT | 112 |
| 58100210 | FULL LANE SEALANT WATERPROOFING SYSTEM | SQ YD | 879 |
| 58600101 | GRANULAR BACKFILL FOR STRUCTURES | CU YD | 107 |
| 59100100 | GEOCOMPOSITE WALL DRAIN | SQ YD | 80 |
| 60100060 | CONCRETE HEADWALLS FOR PIPE DRAINS | EACH | 2 |
| 60108100 | PIPE UNDERDRAINS 4" (SPECIAL) | FOOT | 840 |
| 60146304 | PIPE UNDERDRAINS FOR STRUCTURES 4" | FOOT | 146 |
| 60218300 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID | EACH | 1 |
| 60255500 | MANHOLES TO BE ADJUSTED | EACH | 3 |
| 60500040 | REMOVING MANHOLES | EACH | 1 |

+ INDICATES SPECIALTY ITEM

| PAY CODE | PAY ITEM | UNIT | TOTAL QUANTITY |
|------------|--|-------|----------------|
| 60604400 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 | FOOT | 201 |
| 60608562 | COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12 | FOOT | 113 |
| + 63100087 | TRAFFIC BARRIER TERMINAL, TYPE 6A | EACH | 1 |
| + 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 1 |
| + 63200310 | GUARDRAIL REMOVAL | FOOT | 130 |
| + 63400105 | GUARD POSTS | EACH | 6 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| + 72500300 | OBJECT MARKER - TYPE 3 | EACH | 3 |
| + 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 1 |
| + 78001110 | PAINT PAVEMENT MARKING - LINE 4" | FOOT | 1452 |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 |
| Z0056610 | STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH | FOOT | 64 |
| X2020410 | EARTH EXCAVATION (SPECIAL) | CU YD | 883 |
| X2500920 | SEEDING, CLASS 1A (SPECIAL) | ACRE | 0.34 |
| X2810108 | STONE RIPRAP, CLASS A4 (SPECIAL) | SQ YD | 1252 |
| X5030301 | CONCRETE WEARING SURFACE (VARIABLE DEPTH) | SQ YD | 158 |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 |

+ INDICATES SPECIALTY ITEM

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| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



WILLETT HOFMANN & ASSOCIATES, INC.
 ENGINEERING ARCHITECTURE AND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

SUMMARY OF QUANTITIES

SHEET 2 OF 2 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 4 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

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SCHEDULE OF QUANTITIES

| TRENCH BACKFILL | | |
|----------------------|-----------|------------|
| STATION | CU YD | REMARKS |
| RICE ROAD | | |
| LT 21+11 - 21+76 | 18 | PIPE #1 |
| LT 21+77 | 1 | STRUCT. #1 |
| PROJECT TOTAL | 19 | |
| 20800150 | | |

| EROSION CONTROL BLANKET | | |
|-------------------------|--------------|------------------------------|
| STATION | SQ YD | REMARKS |
| RICE ROAD | | |
| 15' LT 16+25 - 17+09 | 76 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 16+25 - 17+10 | 24 | OUTSIDE OF SIDEWALK |
| RT 16+25 - 19+00 | 490 | |
| 14' LT 17+24 - 19+09 | 101 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 17+24 - 19+25 | 149 | OUTSIDE OF SIDEWALK |
| RT 20+75 - 22+75 | 367 | |
| LT 21+13 - 21+33 | 6 | |
| RT 23+00 - 23+50 | 139 | |
| LT 23+14 - 23+50 | 16 | |
| PROJECT TOTAL | 1,368 | |
| 25100630 | | |

| TEMPORARY EROSION CONTROL SEEDING | | |
|-----------------------------------|-----------|------------------------------|
| STATION | POUND | REMARKS |
| RICE ROAD | | |
| 15' LT 16+25 - 17+09 | 2 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 16+25 - 17+10 | 1 | OUTSIDE OF SIDEWALK |
| RT 16+25 - 19+00 | 11 | |
| 14' LT 17+24 - 19+09 | 3 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 17+24 - 19+25 | 4 | OUTSIDE OF SIDEWALK |
| RT 20+75 - 22+75 | 8 | |
| LT 21+13 - 21+33 | 1 | |
| RT 23+00 - 23+50 | 3 | |
| LT 23+14 - 23+50 | 1 | |
| PROJECT TOTAL | 34 | |
| 28000250 | | |

| PERIMETER EROSION BARRIER | | |
|---------------------------|------------|---------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| LT 16+25 - 17+09 | 84 | |
| RT 16+25 - 19+50 | 333 | |
| LT 17+24 - 19+25 | 200 | |
| LT 21+09 - 21+33 | 22 | |
| RT 20+75 - 22+60 | 216 | |
| RT 23+20 - 23+50 | 65 | |
| PROJECT TOTAL | 920 | |
| 28000400 | | |

| INLET AND PIPE PROTECTION | | |
|---------------------------|----------|------------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| LT 21+77 | 1 | LT MANHOLE |
| PROJECT TOTAL | 1 | |
| 28000500 | | |

| TEMPORARY EROSION CONTROL BLANKET | | |
|-----------------------------------|--------------|------------------------------|
| STATION | SQ YD | REMARKS |
| RICE ROAD | | |
| 15' LT 16+25 - 17+09 | 76 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 16+25 - 17+10 | 24 | OUTSIDE OF SIDEWALK |
| RT 16+25 - 19+00 | 490 | |
| 14' LT 17+24 - 19+09 | 101 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 17+24 - 19+25 | 149 | OUTSIDE OF SIDEWALK |
| RT 20+75 - 22+75 | 367 | |
| LT 21+13 - 21+33 | 6 | |
| RT 23+00 - 23+50 | 139 | |
| LT 23+14 - 23+50 | 16 | |
| PROJECT TOTAL | 1,368 | |
| 28001100 | | |

| AGGREGATE SUBGRADE IMPROVEMENT 12" | | |
|------------------------------------|--------------|----------------------|
| STATION | SQ YD | REMARKS |
| RICE ROAD | | |
| 16+25 - 19+00 | 809 | MAINLINE W/ SHOULDER |
| 21+00 - 23+50 | 979 | MAINLINE W/ SHOULDER |
| LT 21+67 - 22+85 | 151 | PARKING LANE |
| PROJECT TOTAL | 1,939 | |
| 30300112 | | |

| AGGREGATE BASE COURSE, TYPE B | | |
|-------------------------------|------------|-------------------|
| STATION | TON | REMARKS |
| RICE ROAD | | |
| LT 16+25 - 17+09 | 13 | 4" UNDER SIDEWALK |
| LT 16+99 - 17+34 | 12 | 4" UNDER ENTRANCE |
| LT 17+24 - 19+13 | 30 | 4" UNDER SIDEWALK |
| LT 21+11 - 21+33 | 6 | 4" UNDER SIDEWALK |
| LT 21+31 - 21+79 | 15 | 4" UNDER ENTRANCE |
| LT 21+67 - 22+86 | 28 | 4" UNDER SIDEWALK |
| LT 23+08 - 23+29 | 4 | 4" UNDER SIDEWALK |
| PROJECT TOTAL | 108 | |
| 35101400 | | |

| BITUMINOUS MATERIALS (PRIME COAT) | | |
|-----------------------------------|--------------|--------------|
| STATION | POUND | REMARKS |
| RICE ROAD | | |
| 16+25 - 19+05 | 1,466 | MAINLINE |
| LT 16+25 - 17+05 | 75 | SHOULDER |
| RT 16+25 - 18+92 | 181 | SHOULDER |
| RT 20+93 - 22+77 | 135 | SHOULDER |
| 21+01 - 23+50 | 1,954 | MAINLINE |
| LT 21+67 - 22+81 | 230 | PARKING LANE |
| LT 23+10 - 23+50 | 33 | SHOULDER |
| RT 22+98 - 23+50 | 61 | SHOULDER |
| PROJECT TOTAL | 4,135 | |
| 40600275 | | |

EARTHWORK SCHEDULE

| LOCATION | EARTH EXCAVATION (SPECIAL) X2020410 (CU YD) | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25% (CU YD) | EMBANKMENT (CU YD) | EARTH BALANCE WASTE (+) OR FURNISHED EXCAVATION (-) (CU YD) |
|---------------|---|---|--------------------|---|
| RICE ROAD | 883 | 662 | 101 | 561 |
| TOTALS | 883 | 662 | 101 | 561 |

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | CJI | | |
| DRAWN | CJI | | |
| REVIEWED | ATK | | |
| APPROVED | GFS | | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



WILLET HOFMANN & ASSOCIATES INC
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

SCHEDULE OF QUANTITIES
SHEET 1 OF 3 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 5 |
| CONTRACT# 87893 | | | WHA* 1464024 | |
| ILLINOIS | | | | |

SCHEDULE OF QUANTITIES

| BITUMINOUS MATERIALS (TACK COAT) | | |
|----------------------------------|------------|--------------|
| STATION | POUND | REMARKS |
| RICE ROAD | | |
| 16+25 - 19+05 | 147 | MAINLINE |
| LT 16+25 - 17+05 | 8 | SHOULDER |
| RT 16+25 - 18+92 | 19 | SHOULDER |
| RT 20+93 - 22+77 | 14 | SHOULDER |
| 21+01 - 23+50 | 196 | MAINLINE |
| LT 21+67 - 22+81 | 23 | PARKING LANE |
| LT 23+10 - 23+50 | 4 | SHOULDER |
| RT 22+98 - 23+50 | 7 | SHOULDER |
| PROJECT TOTAL | 418 | |
| 40600290 | | |

| LONGITUDINAL JOINT SEALANT | | |
|----------------------------|------------|--------------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| 16+25 - 19+05 | 245 | MAINLINE |
| 21+01 - 23+50 | 220 | MAINLINE |
| LT 21+77 - 22+80 | 106 | PARKING LANE |
| PROJECT TOTAL | 571 | |
| 40600370 | | |

| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | | |
|---|------------|-------------------|
| STATION | TON | REMARKS |
| RICE ROAD | | |
| 16+25 - 19+05 | 125 | 3.5" MAINLINE |
| 21+01 - 23+50 | 169 | 3.5" MAINLINE |
| LT 21+67 - 22+81 | 21 | 3.5" PARKING LANE |
| PROJECT TOTAL | 315 | |
| 40603080 | | |

| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 | | |
|--|------------|-------------------|
| STATION | TON | REMARKS |
| RICE ROAD | | |
| 16+25 - 18+95 | 54 | 1.5" MAINLINE |
| 21+01 - 23+50 | 73 | 1.5" MAINLINE |
| LT 21+67 - 22+81 | 9 | 1.5" PARKING LANE |
| PROJECT TOTAL | 136 | |
| 40604050 | | |

| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50 | | |
|--|-----------|---------------|
| STATION | TON | REMARKS |
| RICE ROAD | | |
| 16+25 - 18+95 | 75 | 1.5" MAINLINE |
| PROJECT TOTAL | 75 | |
| 40604000 | | |

| PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB | | |
|---|-----------|----------------|
| STATION | SQ YD | REMARKS |
| RICE ROAD | | |
| 18+57 - 18+69 | 31 | WEST OF BRIDGE |
| 21+30 - 21+42 | 31 | EAST OF BRIDGE |
| PROJECT TOTAL | 62 | |
| 42000070 | | |

| PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH | | |
|--|------------|---------|
| STATION | SQ YD | REMARKS |
| RICE ROAD | | |
| LT 16+99 - 17+34 | 45 | |
| LT 21+32 - 21+77 | 63 | |
| PROJECT TOTAL | 108 | |
| 42300300 | | |

| PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | | |
|--|--------------|---------|
| STATION | SQ FT | REMARKS |
| RICE ROAD | | |
| LT 16+25 - 17+08 | 418 | |
| LT 17+24 - 19+12 | 1,150 | |
| LT 21+13 - 21+43 | 297 | |
| LT 21+67 - 22+86 | 1,039 | |
| LT 23+08 - 23+29 | 115 | |
| PROJECT TOTAL | 3,019 | |
| 42400200 | | |

| DETECTABLE WARNINGS | | |
|----------------------|-----------|---------|
| STATION | SQ FT | REMARKS |
| RICE ROAD | | |
| LT 22+80 | 10 | |
| LT 23+12 | 10 | |
| PROJECT TOTAL | 20 | |
| 42400800 | | |

| AGGREGATE SHOULDERS, TYPE B 6" | | |
|--------------------------------|-----------|---------|
| STATION | SQ YD | REMARKS |
| RICE ROAD | | |
| RT 17+69 - 18+90 | 47 | |
| PROJECT TOTAL | 47 | |
| 48101500 | | |

| HOT-MIX ASPHALT SHOULDERS | | |
|---------------------------|-----------|-----------------|
| STATION | TON | REMARKS |
| RICE ROAD | | |
| LT 16+25 - 17+05 | 10 | 5" HMA SHOULDER |
| RT 16+25 - 18+92 | 24 | 5" HMA SHOULDER |
| RT 20+93 - 22+77 | 18 | 5" HMA SHOULDER |
| LT 23+10 - 23+50 | 5 | 5" HMA SHOULDER |
| RT 22+98 - 23+50 | 8 | 5" HMA SHOULDER |
| PROJECT TOTAL | 65 | |
| 48203100 | | |

| STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH | | |
|---|-----------|---------------------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| LT 21+12 - 21+77 | 64 | MANHOLE TO HEADWALL |
| PROJECT TOTAL | 64 | |
| Z0056610 | | |

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| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



SCHEDULE OF QUANTITIES
SHEET 2 OF 3 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 6 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

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SCHEDULE OF QUANTITIES

| PIPE UNDERDRAINS 4" (SPECIAL) | | |
|-------------------------------|------------|---------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| 16+50 12.5' LT - 19.6' RT | 33 | |
| LT 16+50 - 18+77 | 227 | |
| RT 16+50 - 18+62 | 213 | |
| RT 20+97 - 23+50 | 128 | |
| LT 21+12 - 23+50 | 239 | |
| PROJECT TOTAL | 840 | |
| 60108100 | | |

| MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID | | |
|---|----------|---------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| LT 21+77 | 1 | |
| PROJECT TOTAL | 1 | |
| 60218300 | | |

| MANHOLES TO BE ADJUSTED | | |
|-------------------------|----------|---------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| LT 18+72 | 1 | |
| LT 23+06 | 1 | |
| RT 23+01 | 1 | |
| PROJECT TOTAL | 3 | |
| 60255500 | | |

| REMOVING MANHOLES | | |
|----------------------|----------|-----------------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| LT 21+77 | 1 | IN PARKING LANE |
| PROJECT TOTAL | 1 | |
| 60500040 | | |

| COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 | | |
|---|------------|---------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| LT 17+32 - 18+78 | 146 | |
| LT 21+39 - 21+86 | 55 | |
| PROJECT TOTAL | 201 | |
| 60604400 | | |

| COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12 | | |
|---|------------|---------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| LT 21+86 - 22+85 | 113 | |
| PROJECT TOTAL | 113 | |
| 60608562 | | |

| TRAFFIC BARRIER TERMINAL, TYPE 6A | | |
|-----------------------------------|----------|---------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| RT 18+40 - 18+78 | 1 | |
| PROJECT TOTAL | 1 | |
| 63100087 | | |

| TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | | |
|--|----------|---------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| RT 17+88 - 18+40 | 1 | |
| PROJECT TOTAL | 1 | |
| 63100167 | | |

| GUARDRAIL REMOVAL | | |
|----------------------|------------|--------------------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| RT 17+79 - 18+81 | 102 | BRIDGE GUARDRAIL |
| LT 22+48 - 22+75 | 28 | BUILDING GUARDRAIL |
| PROJECT TOTAL | 130 | |
| 63200310 | | |

| GUARD POSTS | | |
|----------------------|----------|---|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| LT 22+47 - 22+75 | 6 | TO REPLACE EX. GUARDRAIL 8" x 6" x 6'-0" ROUGH SAWN TIMBER POST (4'-0" EMBEDMENT) |
| PROJECT TOTAL | 6 | |
| 63400105 | | |

| OBJECT MARKER - TYPE 3 | | |
|------------------------|----------|---------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| LT 18+93 | 1 | |
| RT 20+97 | 1 | |
| LT 21+14 | 1 | |
| PROJECT TOTAL | 3 | |
| 72500300 | | |

| TERMINAL MARKER - DIRECT APPLIED | | |
|----------------------------------|----------|--------------------------------|
| STATION | EACH | REMARKS |
| RICE ROAD | | |
| RT 17+88 | 1 | APPLIED TO TYPE 1 TERMINAL END |
| PROJECT TOTAL | 1 | |
| 72501000 | | |

| PAINT PAVEMENT MARKING - LINE 4" | | |
|----------------------------------|--------------|--------------------------------|
| STATION | FOOT | REMARKS |
| RICE ROAD | | |
| 16+25 - 23+50 | 182 | 4" SKIP DASH YELLOW CENTERLINE |
| LT 16+25 - 22+48 | 624 | 4" SOLID WHITE |
| RT 16+25 - 22+28 | 603 | 4" SOLID WHITE |
| RT 23+25 - 23+50 | 25 | 4" SOLID WHITE |
| LT 23+32 - 23+50 | 18 | 4" SOLID WHITE |
| PROJECT TOTAL | 1,452 | |
| 78001110 | | |

| SEEDING, CLASS 1A (SPECIAL) | | |
|-----------------------------|-------------|------------------------------|
| STATION | ACRE | REMARKS |
| RICE ROAD | | |
| 15' LT 16+25 - 17+09 | 0.02 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 16+25 - 17+10 | 0.01 | OUTSIDE OF SIDEWALK |
| RT 16+25 - 19+00 | 0.11 | |
| 14' LT 17+24 - 19+09 | 0.03 | BETWEEN SIDEWALK AND ROADWAY |
| 30' LT 17+24 - 19+25 | 0.04 | OUTSIDE OF SIDEWALK |
| RT 20+75 - 22+75 | 0.08 | |
| LT 21+13 - 21+33 | 0.01 | |
| RT 23+00 - 23+50 | 0.03 | |
| LT 23+14 - 23+50 | 0.01 | |
| PROJECT TOTAL | 0.34 | |
| X2500920 | | |

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



SCHEDULE OF QUANTITIES
SHEET 3 OF 3 SHEETS

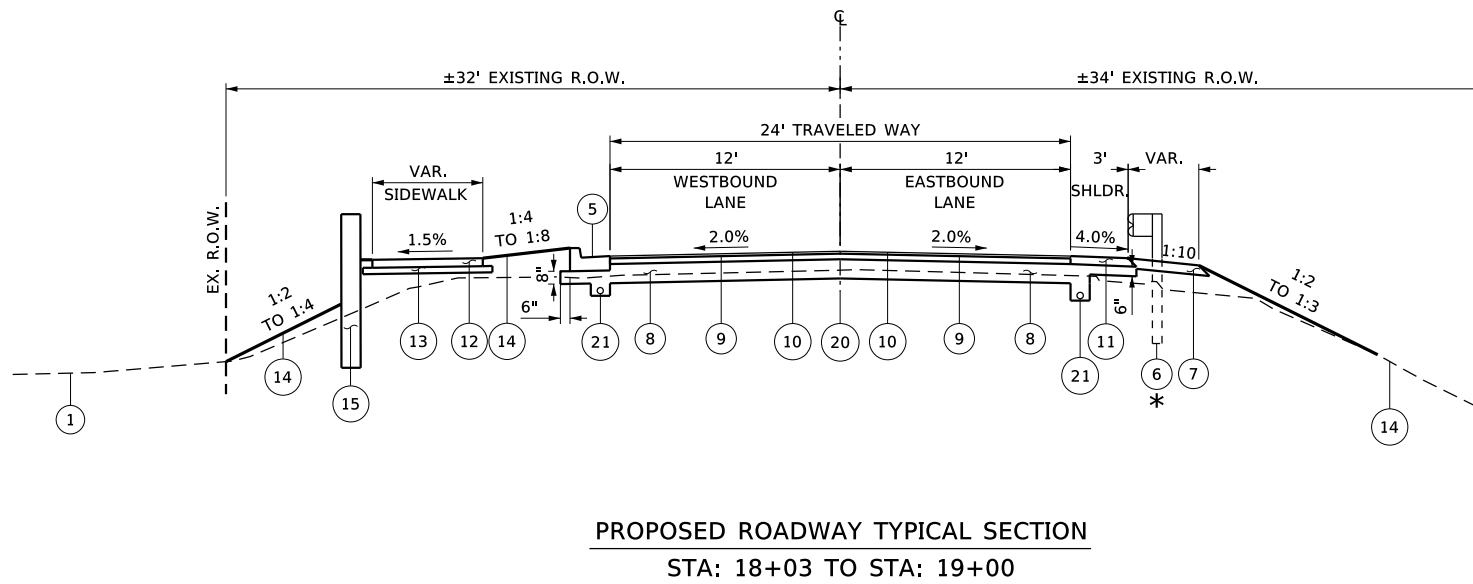
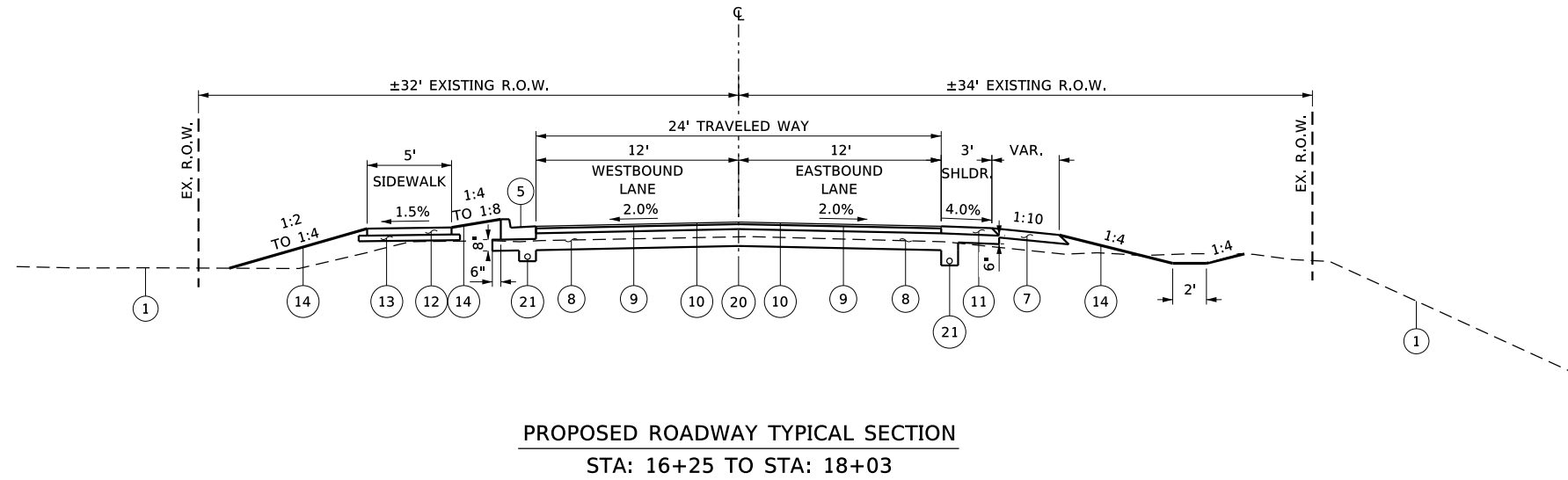
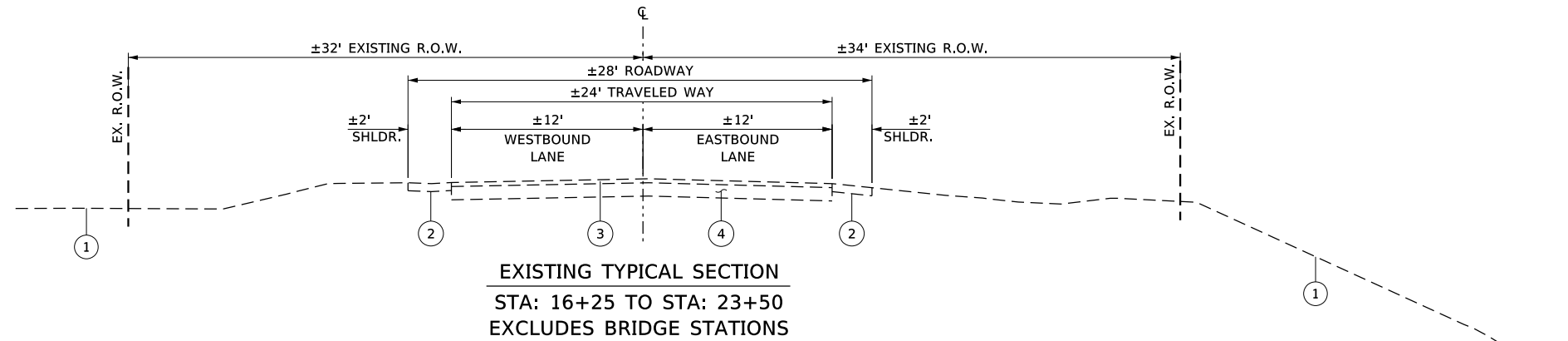
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 7 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

LEGEND

- ① EXISTING GROUND
- ② EXISTING AGGREGATE SHOULDER
- ③ EXISTING HOT-MIX ASPHALT BINDER AND SURFACE COURSE (3")
- ④ EXISTING AGGREGATE BASE COURSE (8")
- ⑤ COMBINATION CURB AND GUTTER, TYPE B-6.18
- ⑥ PROPOSED TRAFFIC BARRIER TERMINAL
- ⑦ PROPOSED AGGREGATE SHOULDERS TYPE B (6")
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT (12")
- ⑨ HOT-MIX ASPHALT BINDER COURSE (3.5")
- ⑩ HOT-MIX ASPHALT SURFACE COURSE (1.5")
- ⑪ HOT-MIX ASPHALT SHOULDERS (5")
- ⑫ PCC SIDEWALK (5")
- ⑬ AGGREGATE BASE COURSE, TYPE B (4")
- ⑭ PROPOSED FINISHED GRADE
- ⑮ PROPOSED RETAINING WALL (STA. 18+71 - 19+16)
- ⑯ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- ⑱ PCC DRIVEWAY (7")
- ⑲ STORM SEWER (WATER MAIN REQUIREMENTS) 15"
- ⑳ LONGITUDINAL JOINT SEALANT
- ㉑ PIPE UNDERDRAIN 4" (SPECIAL)

NOTES

- * GUARDRAIL
RT STA: 17+88.05 TO STA: 18+78.24
TERMINAL TYPE 1 SPECIAL TANGENT - (STA: 17+88.05 TO 18+39.53)
TERMINAL TYPE 6A - (STA: 18+39.53 TO 18+78.24)
- ** CURB AND GUTTER:
LT STA: 17+32 TO STA: 19+07
LT STA: 21+09 TO STA: 22+88



| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | GBG |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

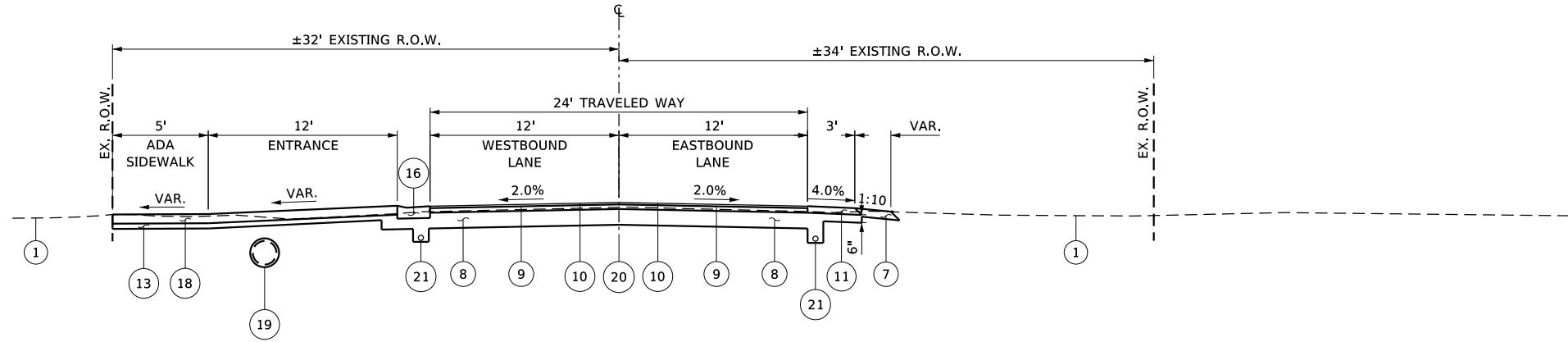


TYPICAL SECTIONS
SHEET 1 OF 2 SHEETS

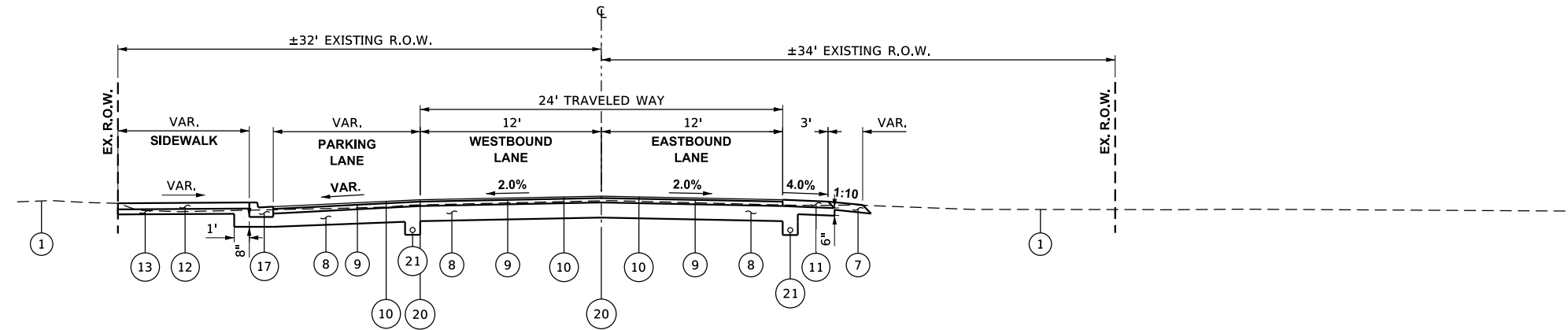
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| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 8 |
| CONTRACT# 87893 | | WHA# 1464D24 | | |
| ILLINOIS | | | | |

LEGEND

- ① EXISTING GROUND
- ② EXISTING AGGREGATE SHOULDER
- ③ EXISTING HOT-MIX ASPHALT BINDER AND SURFACE COURSE (3")
- ④ EXISTING AGGREGATE BASE COURSE (8")
- ⑤ COMBINATION CURB AND GUTTER, TYPE B-6.18
- ⑥ PROPOSED TRAFFIC BARRIER TERMINAL
- ⑦ PROPOSED AGGREGATE SHOULDERS TYPE B (6")
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT (12")
- ⑨ HOT-MIX ASPHALT BINDER COURSE (3.5")
- ⑩ HOT-MIX ASPHALT SURFACE COURSE (1.5")
- ⑪ HOT-MIX ASPHALT SHOULDERS (5")
- ⑫ PCC SIDEWALK (5")
- ⑬ AGGREGATE BASE COURSE, TYPE B (4")
- ⑭ PROPOSED FINISHED GRADE
- ⑮ PROPOSED RETAINING WALL (STA. 18+71 - 19+16)
- ⑯ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ⑰ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- ⑱ PCC DRIVEWAY (7")
- ⑲ STORM SEWER (WATER MAIN REQUIREMENTS) 15"
- ⑳ LONGITUDINAL JOINT SEALANT
- ㉑ PIPE UNDERDRAIN 4" (SPECIAL)



PROPOSED ROADWAY TYPICAL SECTION
STA: 21+00 TO STA: 21+78



PROPOSED ROADWAY TYPICAL SECTION
STA: 21+78 TO STA: 22+84

NOTES

- * GUARDRAIL
RT STA: 17+88.05 TO STA: 18+78.24
TERMINAL TYPE 1 SPECIAL TANGENT - (STA: 17+88.05 TO 18+39.53)
TERMINAL TYPE 6A - (STA: 18+39.53 TO 18+78.24)
- ** CURB AND GUTTER:
LT STA: 17+32 TO STA: 19+07
LT STA: 21+09 TO STA: 22+88

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | GBG |
| APPROVED | ATK |

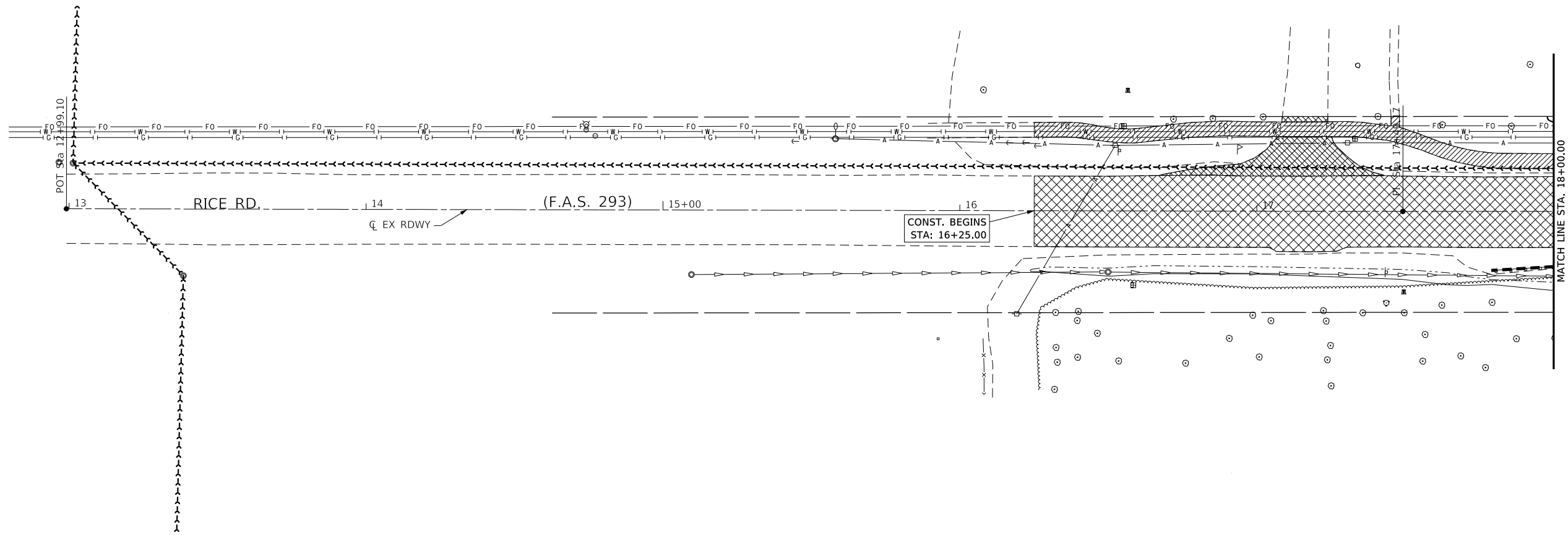
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



WILLETT HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

TYPICAL SECTIONS
SHEET 2 OF 2 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 9 |
| CONTRACT# 87893 | | WHA* | 1464D24 | |
| ILLINOIS | | | | |



SCALE: 1"=20'
 0' 20' 40' 60'



LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- ENTRANCE PAVEMENT REMOVAL
- GUARDRAIL REMOVAL

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
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| APPROVED | GFS |

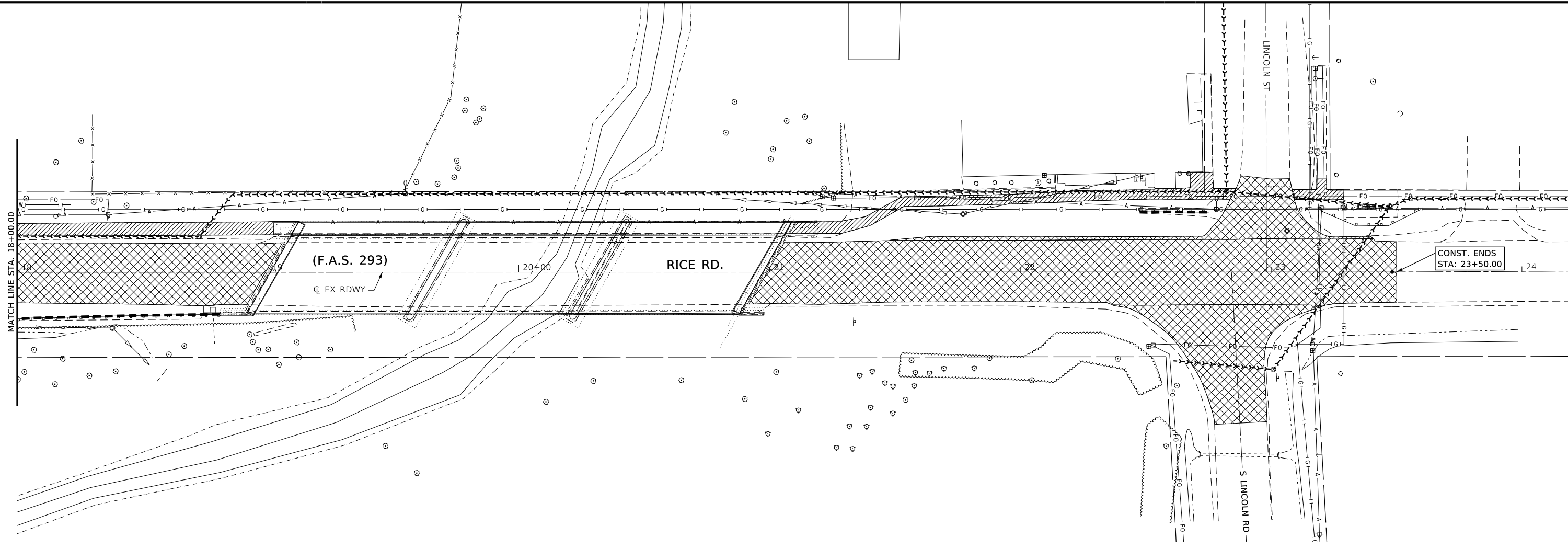
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
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REMOVAL PLAN

SHEET 1 OF 2 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 10 |
| CONTRACT # 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



811
Know what's below.
Call before you dig.

SCALE: 1"=20'

0' 20' 40' 60'



LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- ENTRANCE PAVEMENT REMOVAL
- GUARDRAIL REMOVAL

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLET HOFMANN & ASSOCIATES INC.
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REMOVAL PLAN

SHEET 2 OF 2 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 11 |
| CONTRACT# 87893 | | WHA* | 1464D24 | |
| ILLINOIS | | | | |

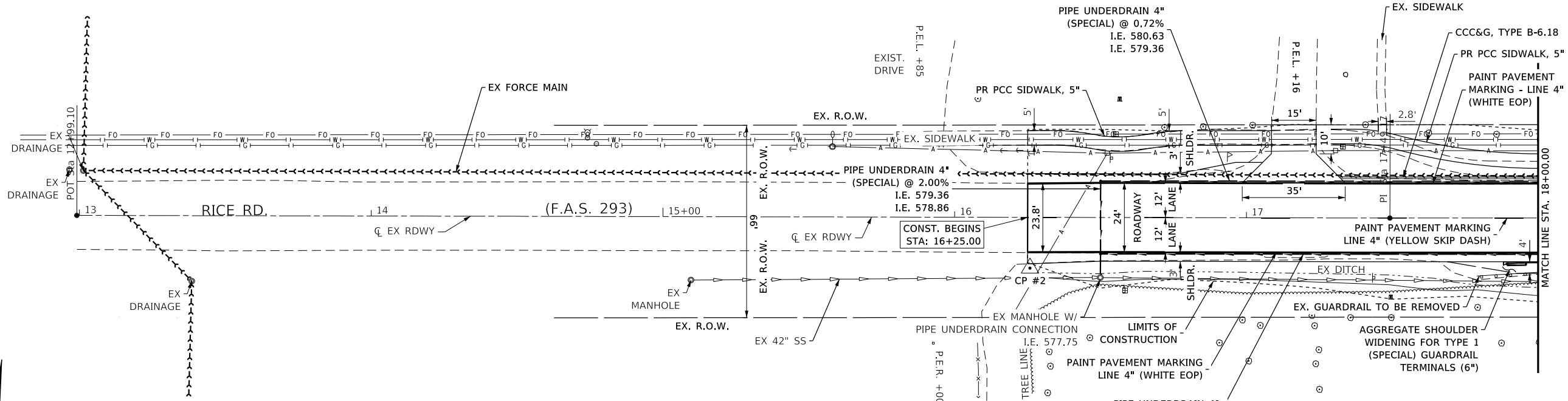
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BENCH MARK #401: RR SPIKE IN LP N. SIDE RICE RD. W. SIDE ENT. TO HOUSE #20
23.34' LT OF STA. 15+58.33
ELEV. 581.57

BENCH MARK #402: FD. CHIS. "□" N.E. COR. OF STR. ON TOP OF WALL
14.99' LT OF STA. 21+16.84
ELEV. 584.93

BENCH MARK #403: FD. RR. SPK. IN PP. @ S.E. COR. RICE RD. & LINCOLN RD.
28.11' RT OF STA. 23+16.17
ELEV. 582.22

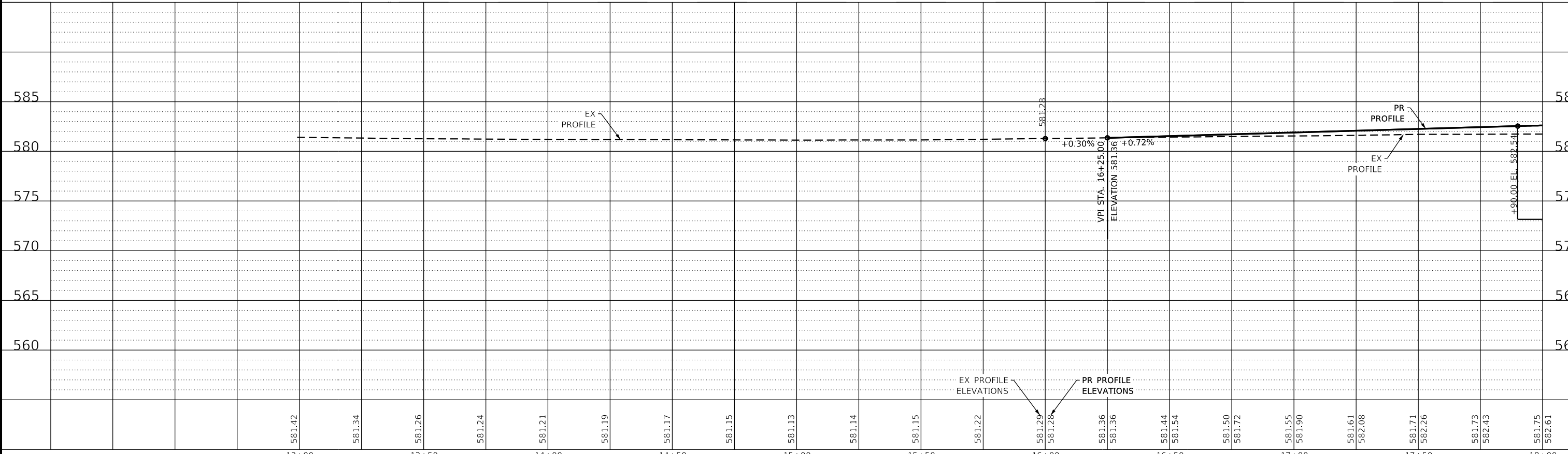
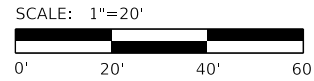
BENCH MARK #404: FD. RR. SPK. IN LP. @ N.E. COR. RICE RD. & ADAMS
24.21' LT OF STA. 26+62.11
ELEV. 584.93



| RICE RD. (F.A.S. 293) OVER MAZON RIVER E. FORK - HORIZONTAL CONTROL POINTS | | | | | |
|--|--------------------|------------|------------|--------|-------------|
| PT # | STA | N | E | EL | DESCRIPTION |
| 1 | 18.4' LT. 13+42.12 | 1640927.14 | 1001119.95 | 693.36 | 3/4" IP |
| 2 | 17.4' RT. 16+25.89 | 1805329.26 | 856866.96 | 692.54 | 3/4" IP |



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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

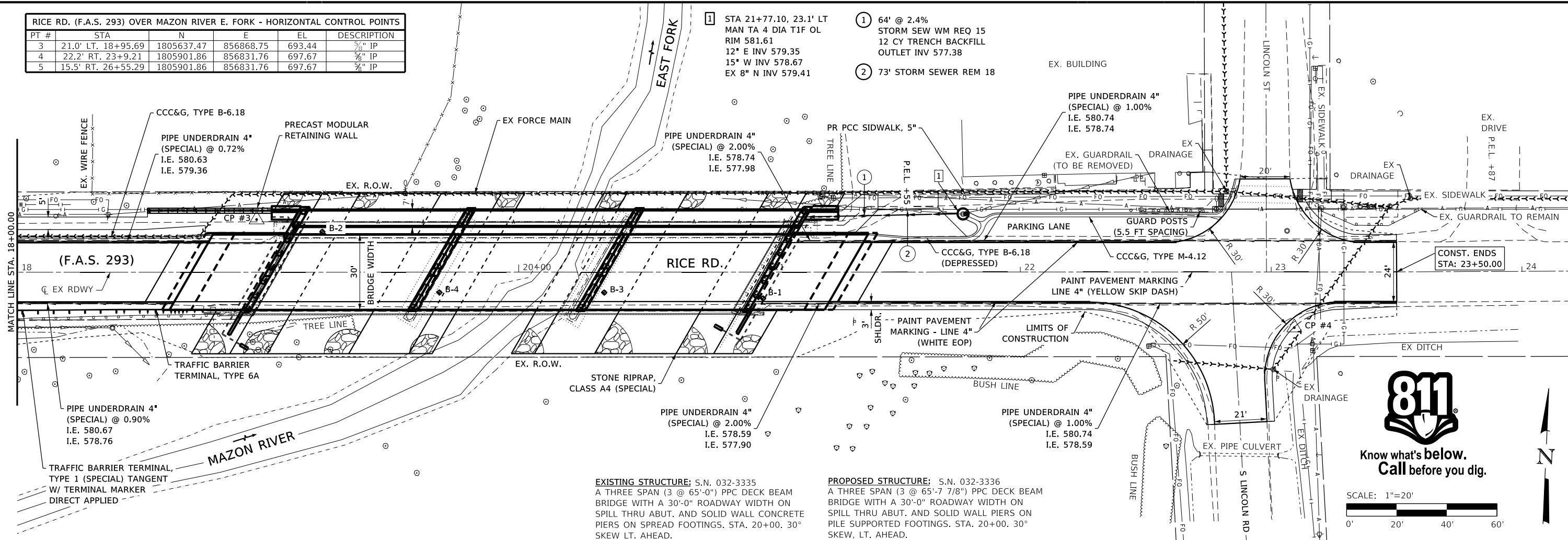


PLAN & PROFILE
SHEET 1 OF 2 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 12 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

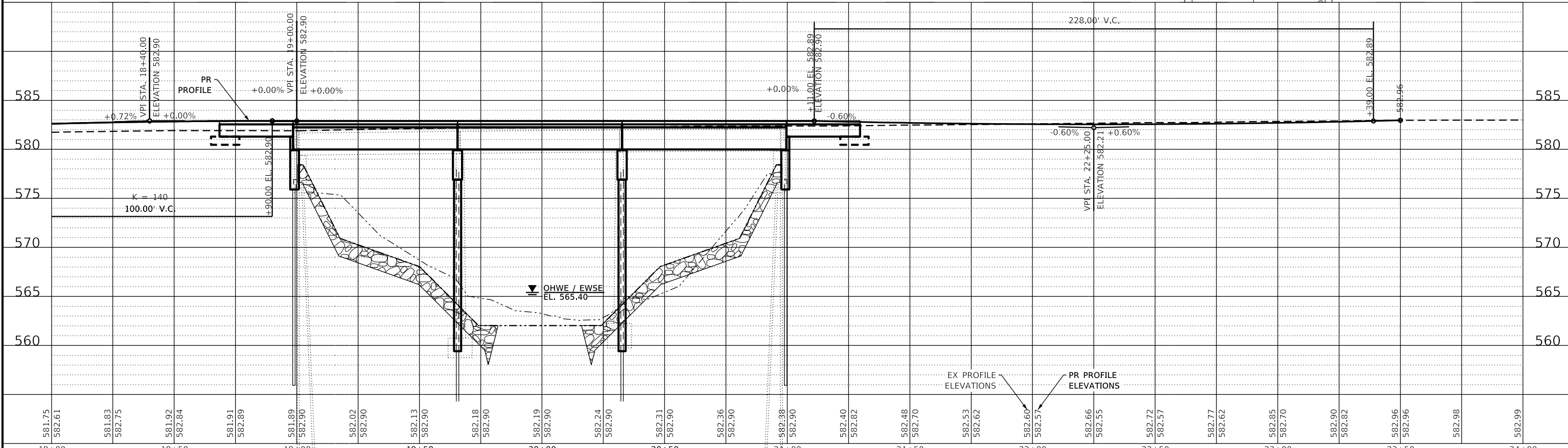
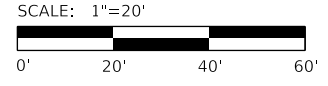
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| RICE RD. (F.A.S. 293) OVER MAZON RIVER E. FORK - HORIZONTAL CONTROL POINTS | | | | | |
|--|--------------------|------------|-----------|--------|-------------|
| PT # | STA | N | E | EL | DESCRIPTION |
| 3 | 21.0' LT. 18+95.69 | 1805637.47 | 856868.75 | 693.44 | 3/8" IP |
| 4 | 22.2' RT. 23+9.21 | 1805901.86 | 856831.76 | 697.67 | 3/8" IP |
| 5 | 15.5' RT. 26+55.29 | 1805901.86 | 856831.76 | 697.67 | 3/8" IP |



EXISTING STRUCTURE; S.N. 032-3335
 A THREE SPAN (3 @ 65'-0") PPC DECK BEAM BRIDGE WITH A 30'-0" ROADWAY WIDTH ON SPILL THRU ABUT. AND SOLID WALL CONCRETE PIERS ON SPREAD FOOTINGS. STA. 20+00. 30° SKEW LT. AHEAD.

PROPOSED STRUCTURE; S.N. 032-3336
 A THREE SPAN (3 @ 65'-7 7/8") PPC DECK BEAM BRIDGE WITH A 30'-0" ROADWAY WIDTH ON SPILL THRU ABUT. AND SOLID WALL PIERS ON PILE SUPPORTED FOOTINGS. STA. 20+00. 30° SKEW, LT. AHEAD.



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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



PLAN & PROFILE
 SHEET 2 OF 2 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 13 |
| CONTRACT# 87893 | | WHA# 1464D24 | | |

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION DESCRIPTION OF CONSTRUCTION ACTIVITY:

- THE PROJECT CONSISTS OF A DECK REPLACEMENT OF F.A.S. 293 (RICE ROAD) OVER EAST FORK MAZON RIVER, APPROACH ROADWAY WORK THERETO.
- CONSTRUCTION INCLUDES CHANNEL EXCAVATION, COFFERDAM EXCAVATION, BRIDGE DECK REMOVAL AND REPLACEMENT, RIPRAP BANK STABILIZATION, RETAINING WALL CONSTRUCTION, AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

- INSTALL PERIMETER EROSION BARRIER AS DIRECTED BY THE ENGINEER.
- REMOVAL OF EXISTING STRUCTURE
- CHANNEL EXCAVATION AND COFFERDAM EXCAVATION
- RIPRAP PLACEMENT
- PLACEMENT OF PERMANENT EROSION CONTROL INCLUDING SEEDING, AND EROSION CONTROL BLANKET.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.15 ACRES OF WHICH 1.01 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

- INFORMATION ON THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
- PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

EAST FORK MAZON RIVER

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

- THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, PERIMETER EROSION BARRIER, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

(D) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

(E) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED IN CONJUNCTION WITH PERIMETER EROSION BARRIER TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.

- ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVER SEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

(A) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

(B) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

(C) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:

- PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
- TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

(D) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.

(E) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

(F) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2" OR GREATER OR EQUIVALENT SNOWFALL DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

(G) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

(H) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DIVERSION AND DEWATERING NOTES

WHEN DIVERSION AND DEWATERING OF THE CONSTRUCTION AREA IS NECESSARY, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL WATERS SHALL BE FILTERED USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY MLCSWCD. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES AND SHOULD BE PLACED ON LEVEL GROUND. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL ELEVATION.

IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED WITHIN A SUMP PIT TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE (ROCK CHECK DAM, PLYWOOD, SHEET PILE, ETC.) PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS.

DEWATERING SHALL INCLUDE MEANS, METHOD AND MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE RE-ENTERING THE WATERWAY.

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES:

TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS. /ACRES.

ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

PERIMETER EROSION BARRIER SHALL BE PLACED AROUND ANY TEMPORARY EARTH STOCKPILES.

THE RESIDENT ENGINEER MUST BE NOTIFIED ONEN WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING. ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

A COPY OF THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON SITE.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS TO IMPLEMENT AND MAINTAIN THE SWPPP AND ALL PERMIT CONDITIONS REQUIRED BY THE NATIONAL POLLUTANT DISCHARGE ELMINATION SYSTEM (NPDES) ILR10 PERMIT SET FORTH BY THE ILLINOIS EPA. THE U.S. ARMY CORPS OF ENGINEERS JOINT 404 PERMIT, AND THE STATE OF ILLINOIS.

THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER OR THE COUNTY.

ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED, THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES.

ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24-HRS AFTER A RAIN EVENT GREATER THAN 1/2".

ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED WITH EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT FOLLOWING COMPLETION OF SOIL DISTURBING ACTIVITIES.

ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED AT THE END OF EACH DAY'S OPERATION OF MORE FREQUENTLY AS REQUIRED BY THE ENGINEER.

AS A PERMIT CONDITION REQUIRED FOR THIS PROJECT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE COUNTY, GRUNDY COUNTYENGINEER FOR APPROVAL. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR WORK WHICH IT IS REQUIRED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONCRETE WASHOUT(S) ARE ANTICIPATED FOR THIS PROJECT. WASHOUTS ARE TO BE MAINTAINED IN A MANNER CONSISTENT WITH THE DETAILS ON THE PLANS AND THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL. CONCRETE WASHOUT SHALL BE CONTAINED AT ALL TIMES, WASHOUT MATERIAL SHALL NOT BE ALLOWED TO ENTER WATER BODIES, STORM SEWERS, OR LEACH INTO THE SOIL UNDER ANY CIRCUMSTANCES. ANY WASTE SHALL BE DISPOSED OF PROPERLY AND THE LOCATION OF THE WASHOUT SHALL BE DESIGNATED WITH PROPER SIGNAGE. FAILURE TO COMPLY COULD RESULT IN A VIOLATION.

ALL PERMANENT SEEDING RESTORATION SHALL BE PLACED ON 4 INCHES OF EXCAVATED TOPSOIL IN ACCORDANCE WITH SECTION 211 OF THE SSRBC.

PROPOSED DRAINAGE STRUCTURES RECEIVING RUNOFF SHALL BE PROTECTED WITH INLET FILTERS OR INLET PROTECTION.

FOR INLET AND PIPE PROTECTION, A COMBINATION OF PERIMETER EROSION BARRIER AND TEMPORARY DITCH CHECKS (ROLLED EXCELSIOR) FOR PIPE PROTECTION SHALL BE USED. THE USE OF STRAW BALES FOR PIPE PROTECTION SHALL NOT BE ALLOWED.

SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHOULD BE IMPLEMENTED AND PROPERLY MAINTAINED.

MISCELLANEOUS:

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

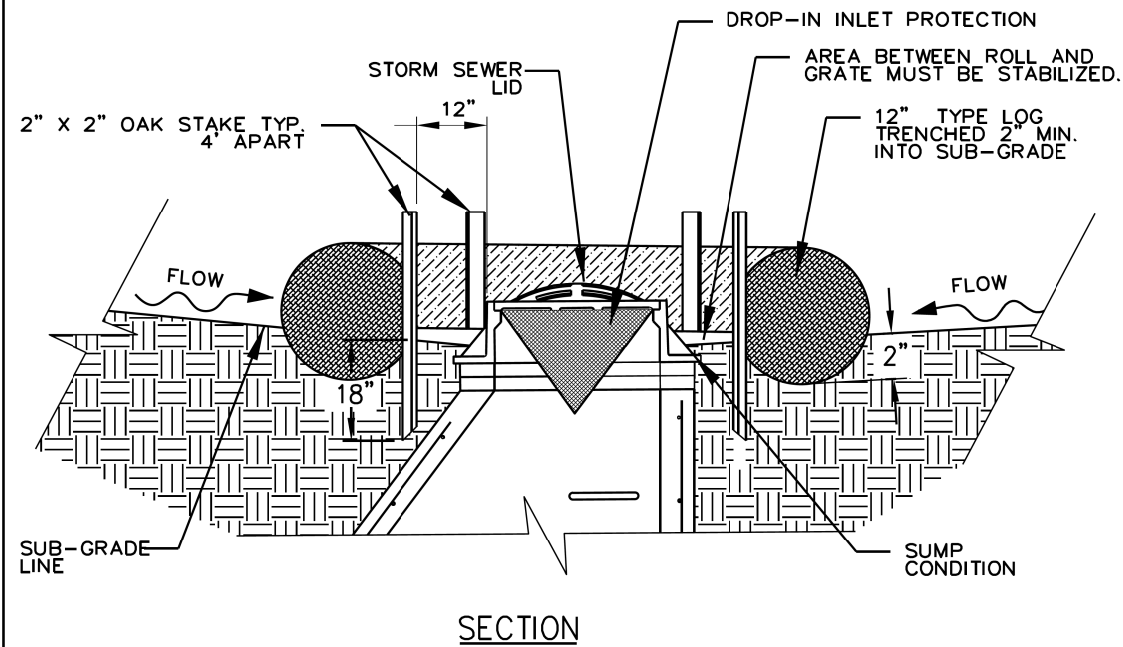
STORM WATER POLLUTION PREVENTION PLAN

SHEET 1 OF 10 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 14 |
| CONTRACT# 87893 | | | WHA* 1464D24 | |
| ILLINOIS | | | | |

INLET PROTECTION LOG TYPE

NOT TO SCALE



NOTES:

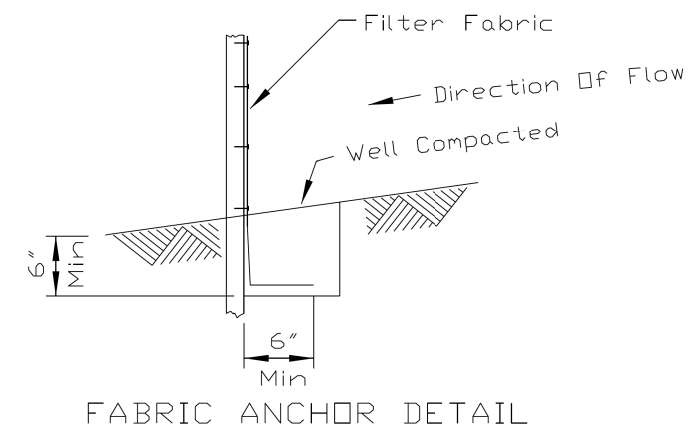
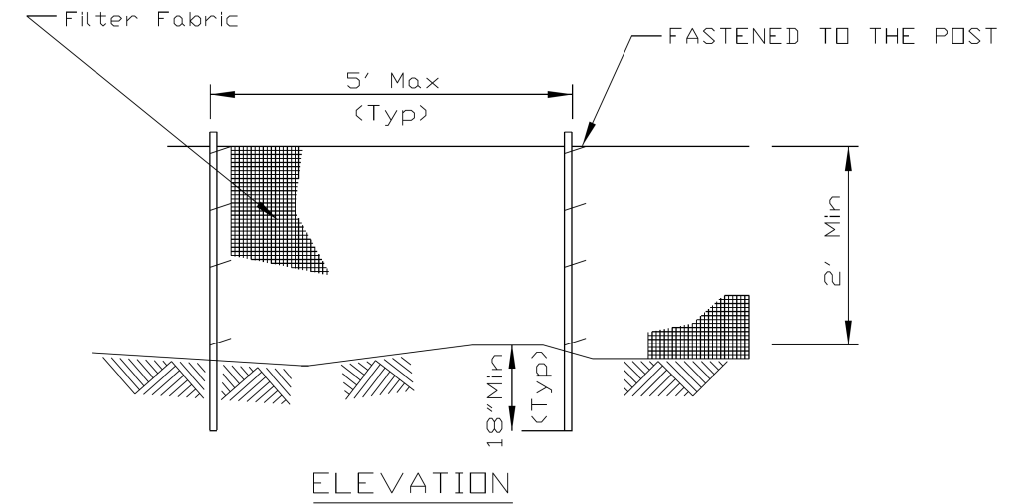
1. 2" x 2" nominal hardwood stakes, 4 foot minimum length, driven into ground approximately 18 inches, stakes driven a minimum width of 12 inches away from the drop inlet.
2. Area inside the log, from edge of fabric to structure, must be stabilized with erosion control blanket. Turf Reinforcement Mat, Geotextile 592 Table 2 Class 2 or CA-7 stone.
3. The maximum distance between the stakes should be 4 feet.
4. A maintenance schedule must maintain a sediment accumulation of less than 50% of the height of the log.

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| REFERENCE | Project _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |



STANDARD DWG. NO.
IUM-562
SHEET 1 OF 1
DATE 11-30-2015

SILT FENCE PLAN



NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

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| REFERENCE | Project _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |



STANDARD DWG. NO.
IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

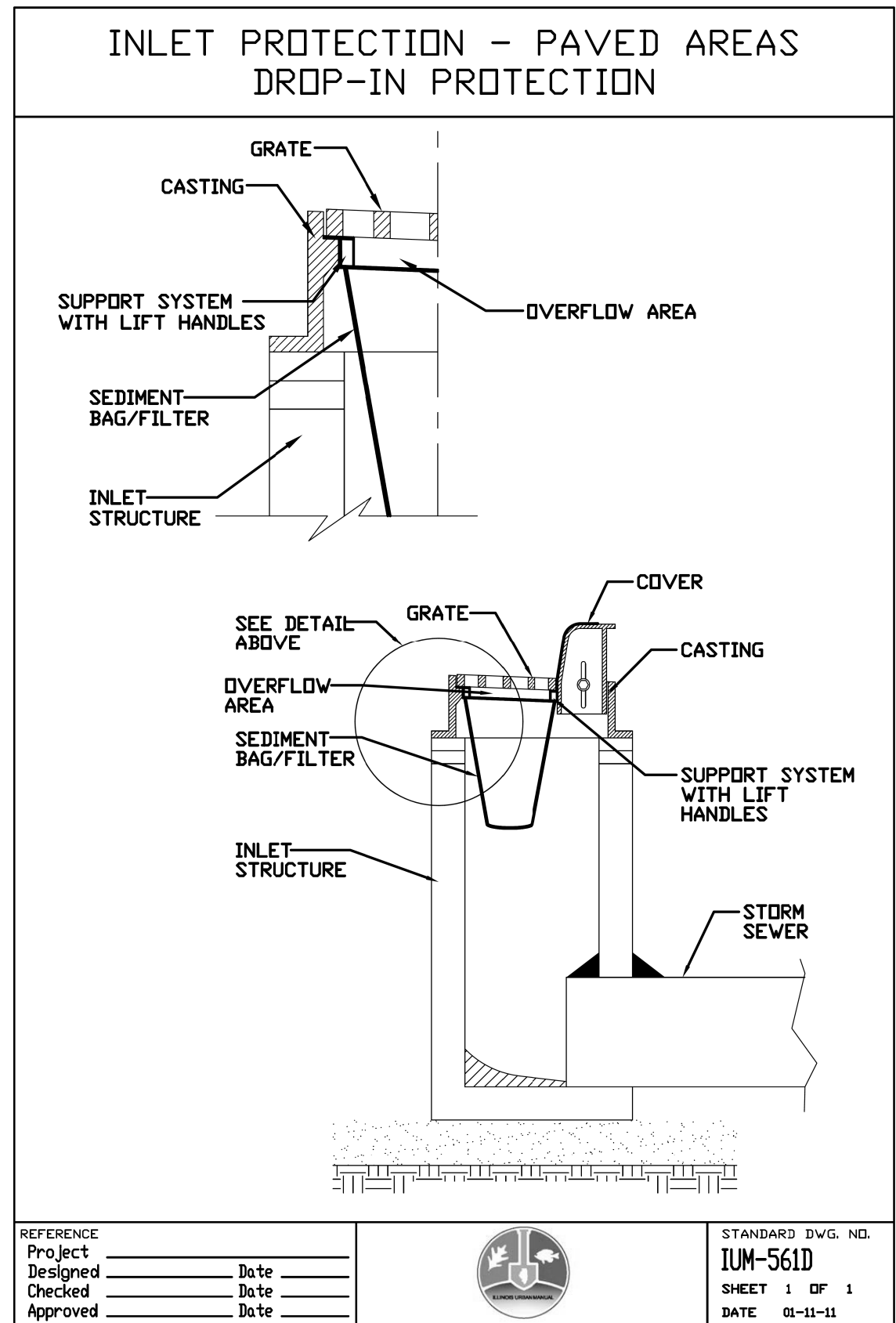
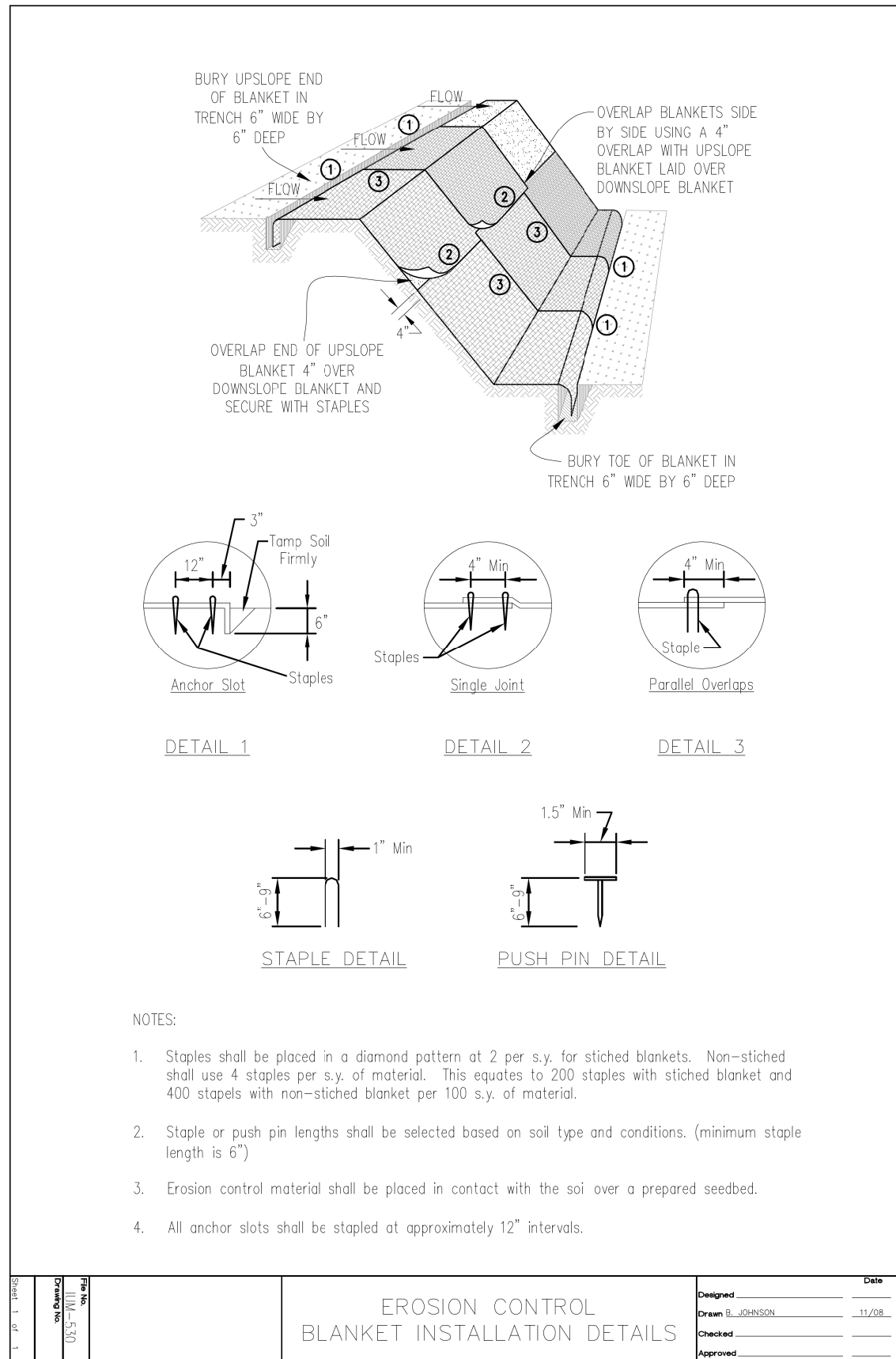


WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

STORM WATER POLLUTION PREVENTION PLAN

SHEET 2 OF 10 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 15 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



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| REFERENCE | Project _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |



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| STANDARD DWG. NO. | IUM-561D |
| SHEET | 1 OF 1 |
| DATE | 01-11-11 |

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

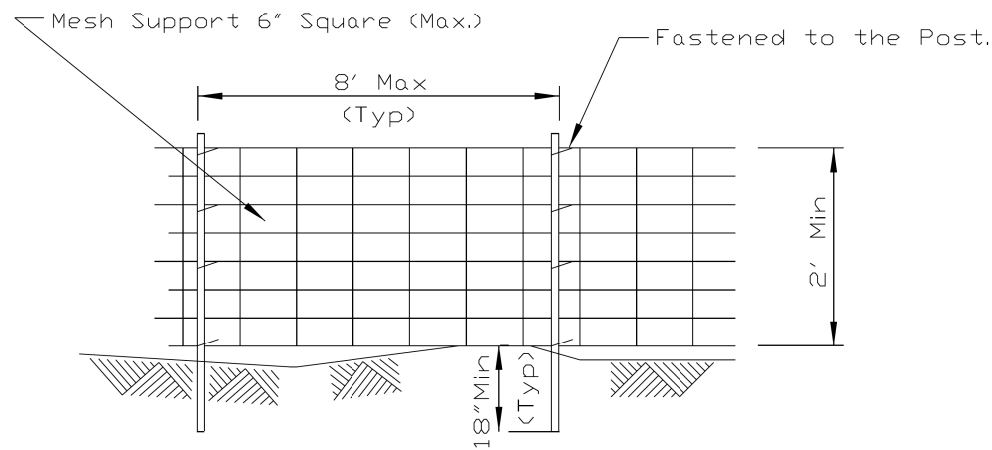
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



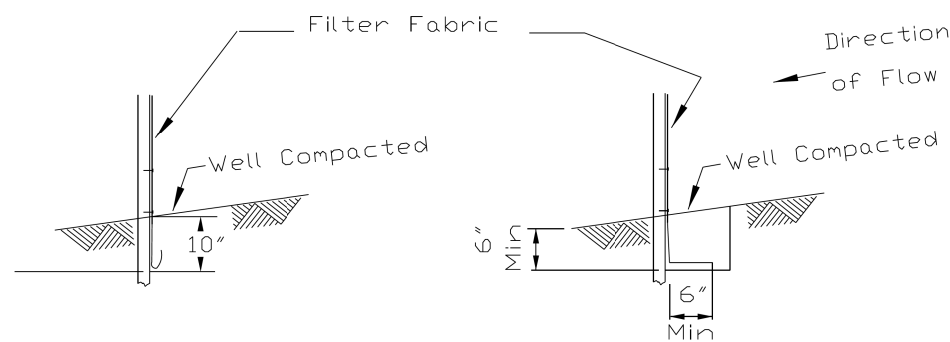
STORM WATER POLLUTION PREVENTION PLAN
 SHEET 3 OF 10 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 16 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION



FABRIC ANCHOR DETAIL

STATIC SLICE INSTALLATION

TRENCH INSTALLATION

NOTES:

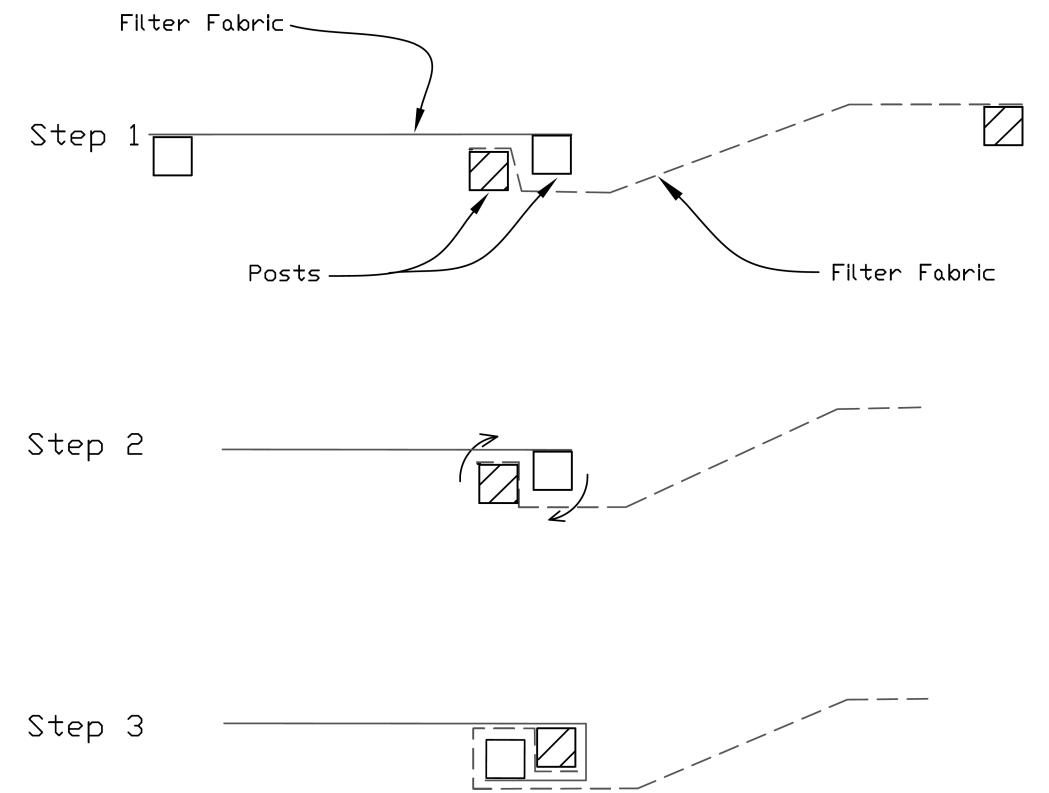
1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2"X2" nominal.
4. Wire mesh may be omitted if post spacing is 5' on center or less.

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| REFERENCE | Project _____ |
| | Designed _____ Date _____ |
| | Checked _____ Date _____ |
| | Approved _____ Date _____ |



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| STANDARD DWG. NO. | IUM-620A(W) |
| SHEET | 1 OF 2 |
| DATE | 4-15-2021 |

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

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| REFERENCE | Project _____ |
| | Designed _____ Date _____ |
| | Checked _____ Date _____ |
| | Approved _____ Date _____ |



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| STANDARD DWG. NO. | IUM-620B(W) |
| SHEET | 1 OF 1 |
| DATE | 3-16-2012 |

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

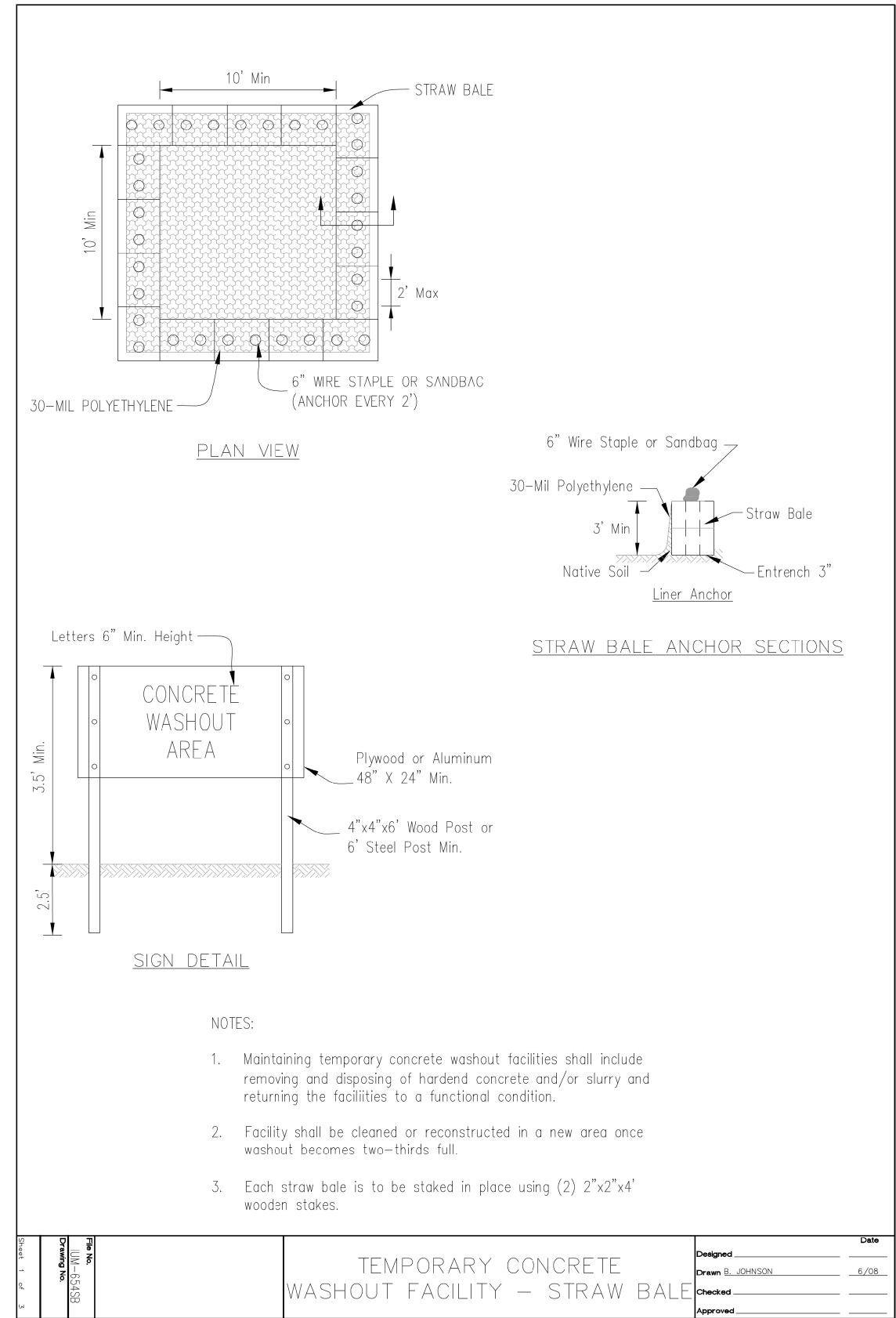
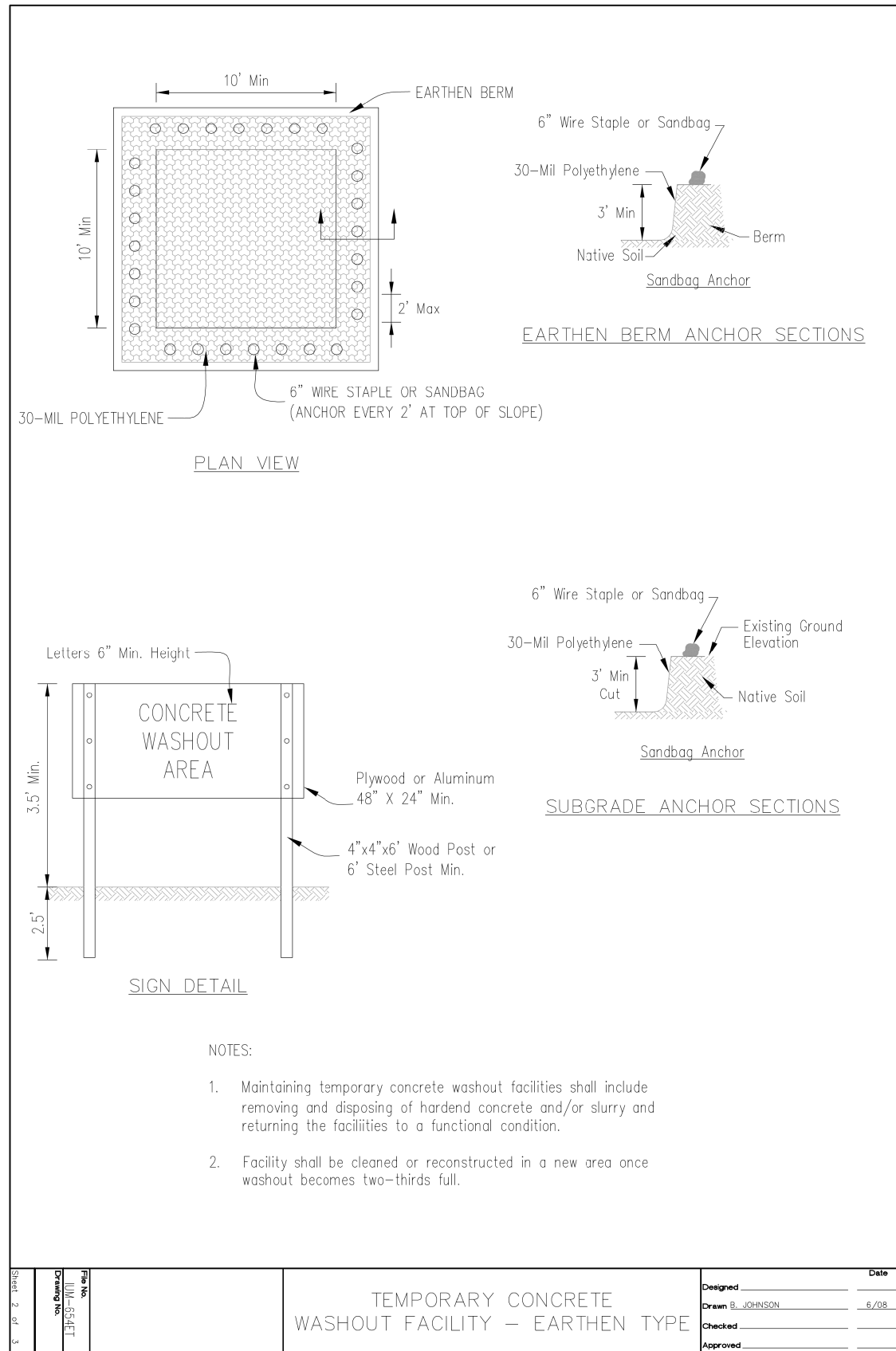
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



STORM WATER POLLUTION PREVENTION PLAN

SHEET 4 OF 10 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 17 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



| REVISION | DATE | BY | REMARKS |
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| APPROVED | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

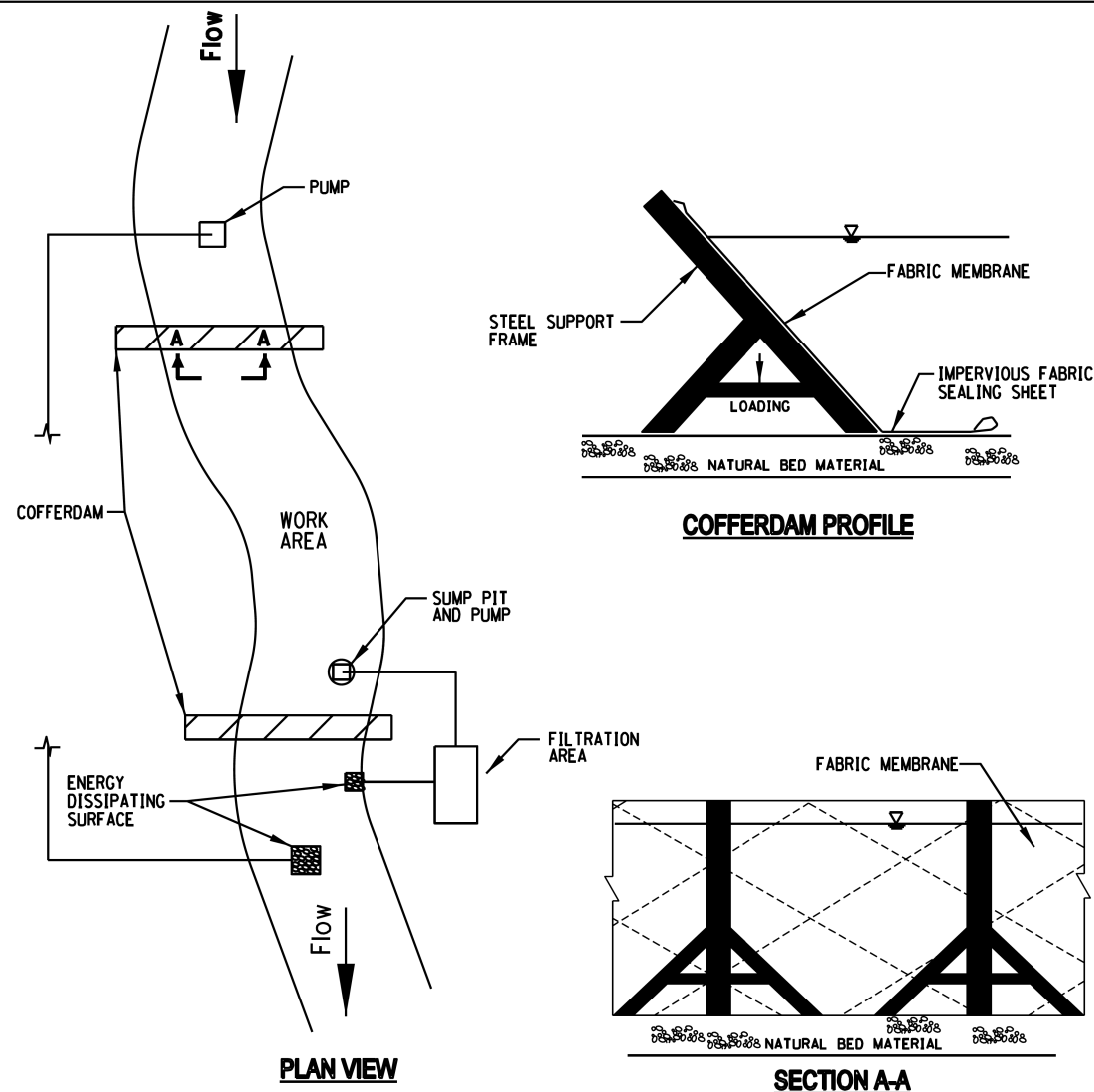


STORM WATER POLLUTION PREVENTION PLAN

SHEET 7 OF 10 SHEETS

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|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 18 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

A-FRAME COFFERDAM



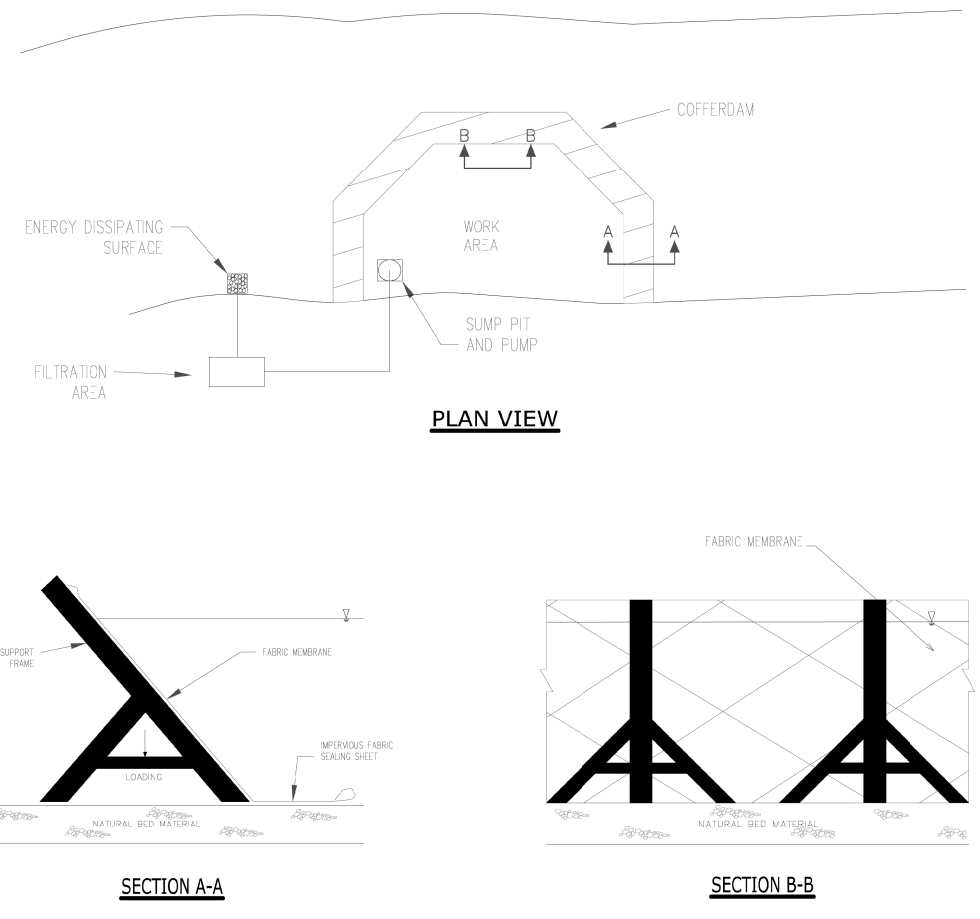
- NOTES:**
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
 2. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.
 3. A-FRAME SHOULD BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS.

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| REFERENCE | Project | _____ |
| | Designed | _____ Date _____ |
| | Checked | _____ Date _____ |
| | Approved | _____ Date _____ |



STANDARD DWG. NO.
IUM-503AF
SHEET 1 OF 7
DATE 07-09-2012

A-FRAME PARTIAL COFFERDAM



- NOTES:**
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
 2. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.
 3. A-FRAME SHOULD BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS.

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| REFERENCE | Project | _____ |
| | Designed | _____ Date _____ |
| | Checked | _____ Date _____ |
| | Approved | _____ Date _____ |



STANDARD DWG. NO.
IUM-503AP
SHEET 2 OF 7
DATE 07-09-2012

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

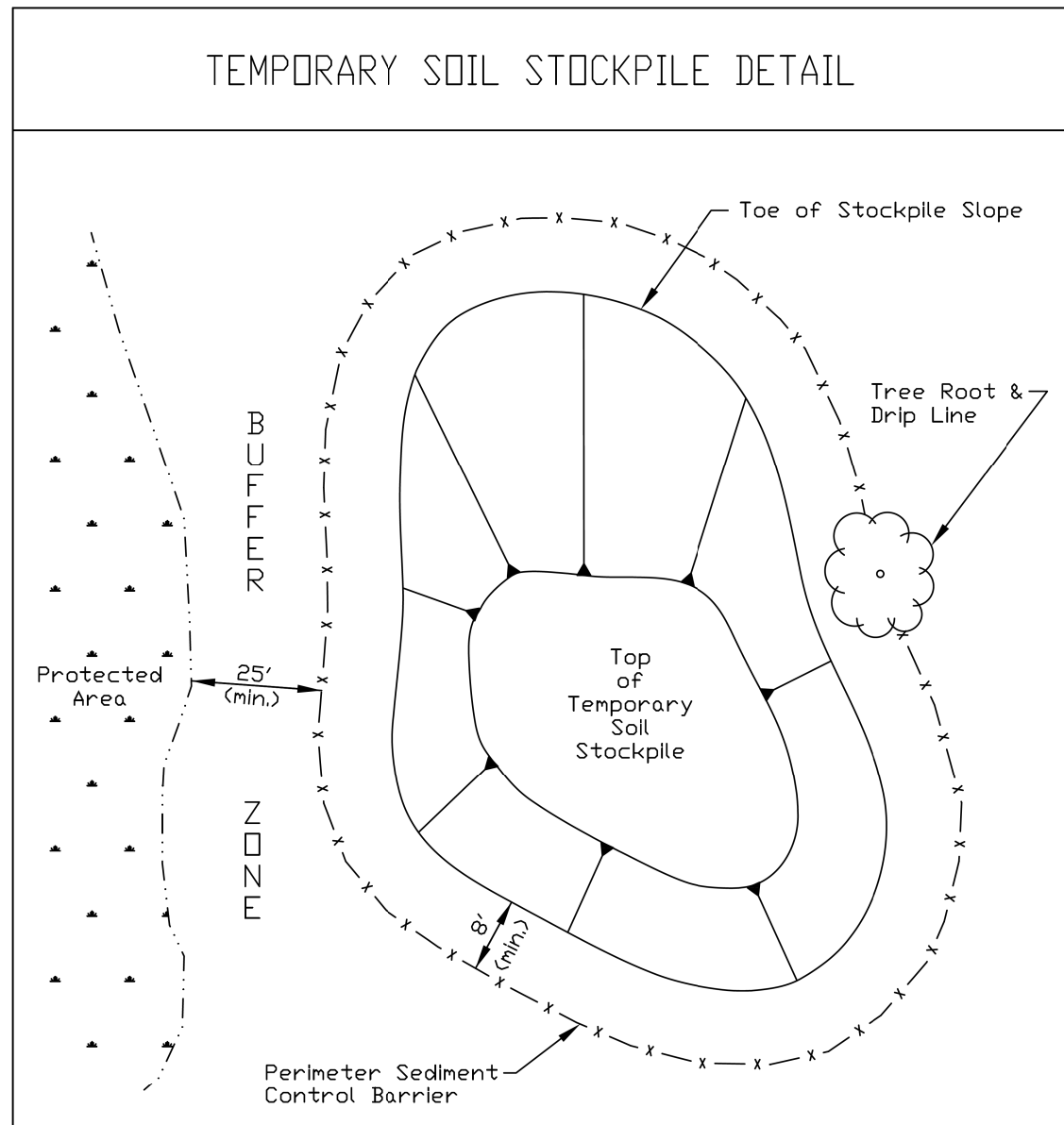
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



STORM WATER POLLUTION PREVENTION PLAN

SHEET 5 OF 10 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 19 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

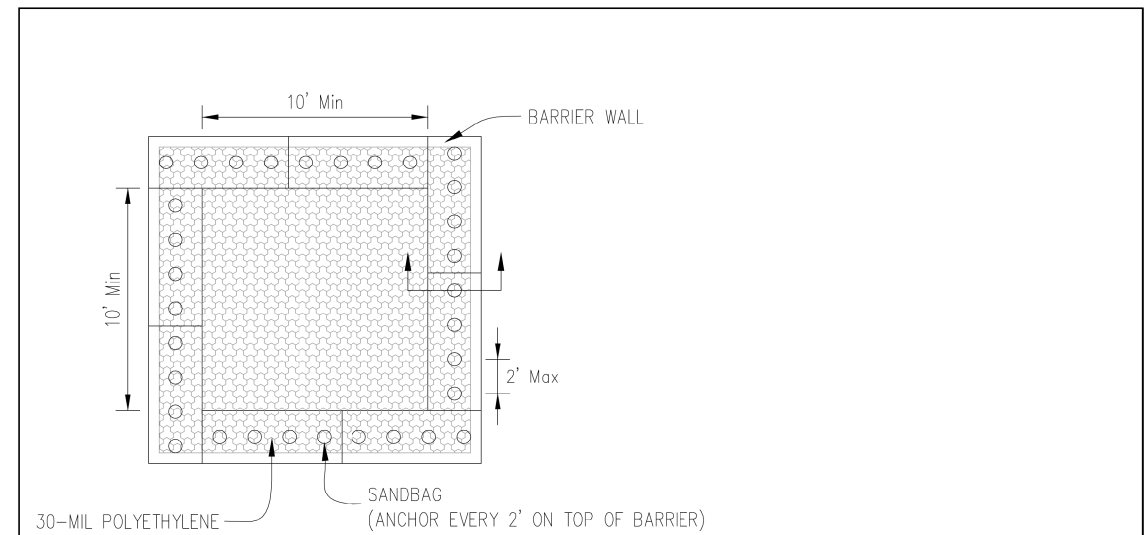


- NOTES:**
1. Stockpile slopes should be based on angle of repose of the soil material to avoid potential sloughing of the slope.
 2. Soil stockpile to be stabilized in accordance with practical standards.
 3. Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
 4. Provisions for sediment control practices may be required along haul roads and entrance/exit locations for access the soil stockpile that can create flow path for stormwater runoff.
 5. Installation of benches, terraces, or slope interrupters should be considered.
 6. Avoid building soil stockpiles on impervious surfaces.
 7. Linear sediment trap surrounding the stockpile base may be used to control sediment.

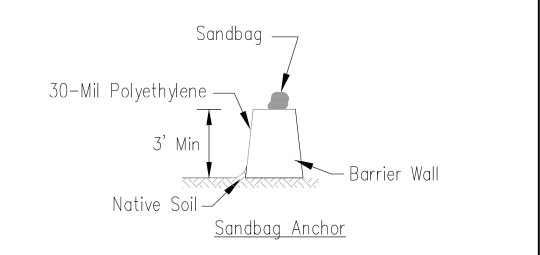
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| REFERENCE | |
| Project | _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |



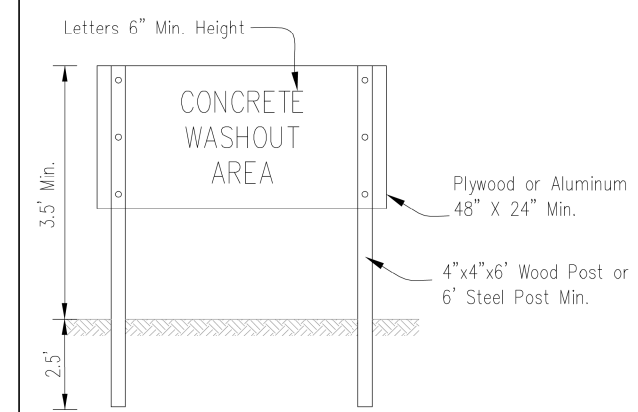
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| STANDARD DWG. NO. | IUM-627 |
| SHEET | 1 OF 1 |
| DATE | JANUARY 2017 |



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

- NOTES:**
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
 2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

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| DESIGNED | CJI | DATE | _____ |
| DRAWN | CJI | DATE | _____ |
| REVIEWED | ATK | DATE | _____ |
| APPROVED | GFS | DATE | _____ |

TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL

| REVISION | DATE | BY | REMARKS |
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| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

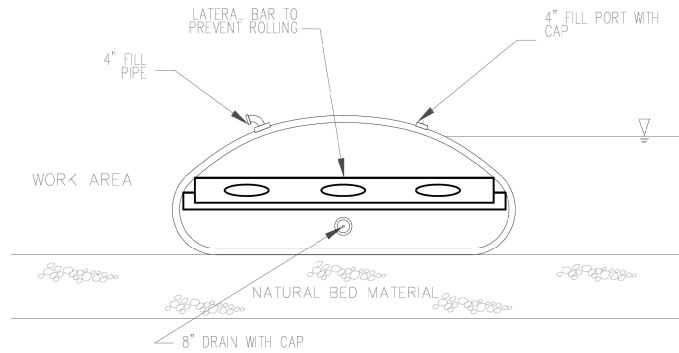
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



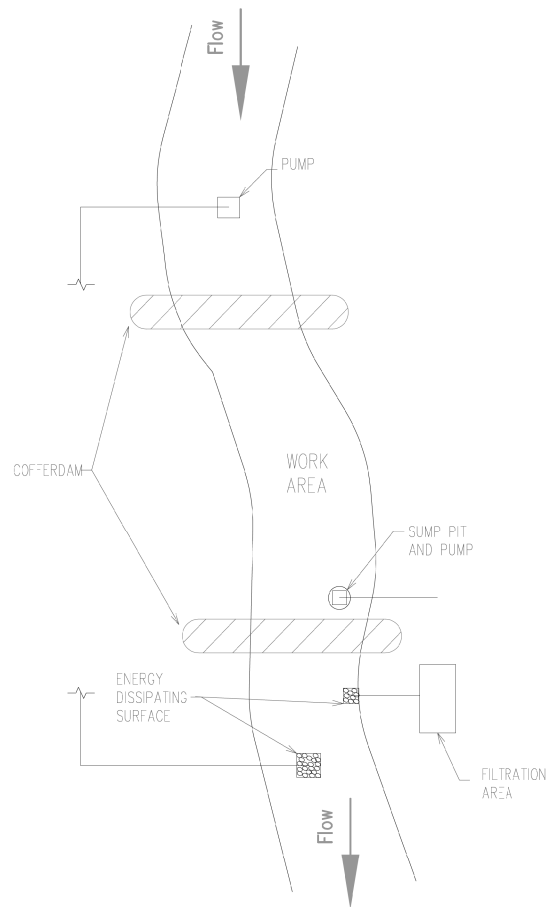
STORM WATER POLLUTION PREVENTION PLAN
SHEET 6 OF 10 SHEETS

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| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 20 |
| CONTRACT # 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

BLADDER COFFERDAM



COFFERDAM PROFILE



PLAN VIEW

NOTES:

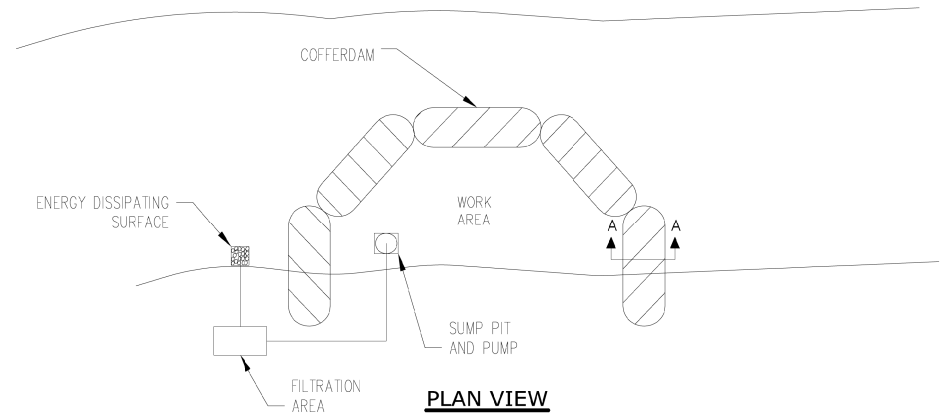
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

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| REFERENCE | Project _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |

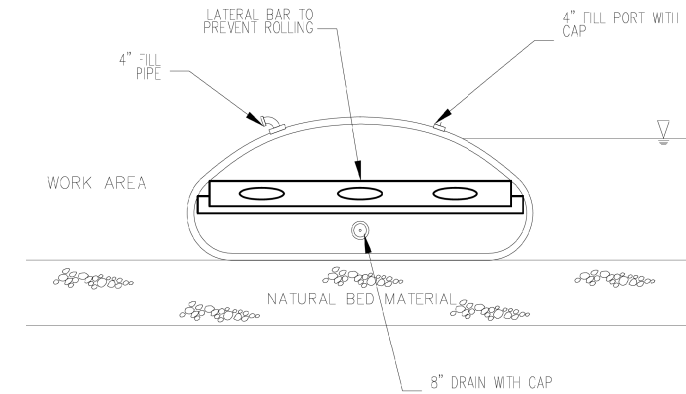


STANDARD DWG. NO.
IUM-503BF
SHEET 3 OF 7
DATE 7-09-2012

BLADDER PARTIAL COFFERDAM



PLAN VIEW



COFFERDAM PROFILE

NOTES:

1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

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| REFERENCE | Project _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |



STANDARD DWG. NO.
IUM-503BP
SHEET 4 OF 7
DATE 7-09-2012

| REVISION | DATE | BY | REMARKS |
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| DRAWN | |
| REVIEWED | |
| APPROVED | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

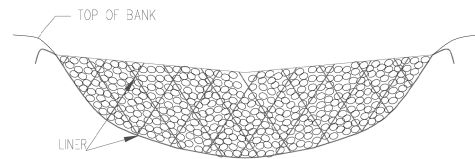


STORM WATER POLLUTION PREVENTION PLAN

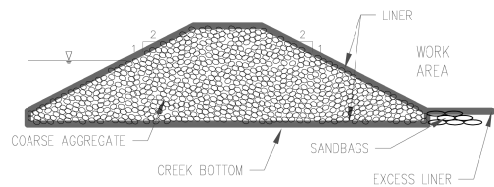
SHEET 8 OF 10 SHEETS

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|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 21 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

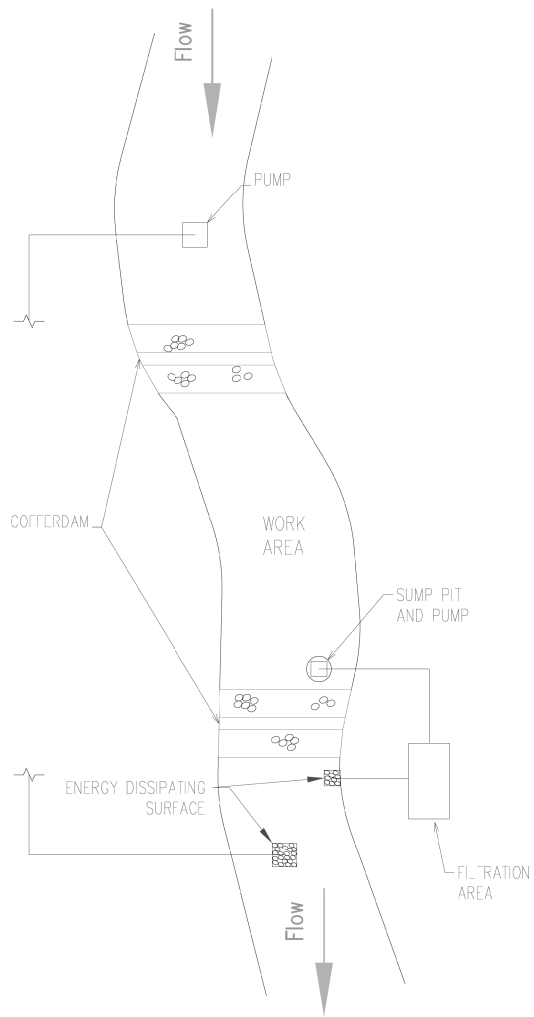
ROCK COFFERDAM



COFFERDAM CROSS-SECTION



COFFERDAM PROFILE



PLAN VIEW

NOTES:

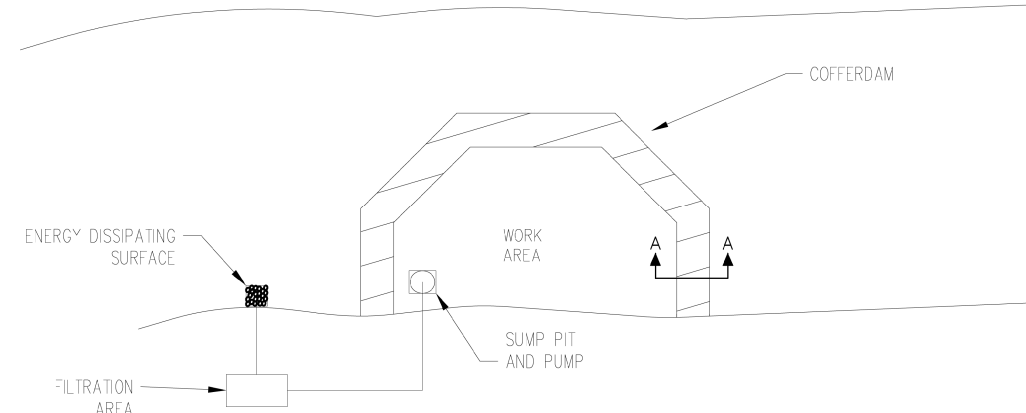
1. THE LINER SHALL BE PLACED ON BOTTOM OF WATERWAY W/EXCESS LINER EXTENDING OUT OF THE COFFERED AREA. ONCE STONE IS PLACED, LINER WILL BE PULLED OVER ROCK AND EXTEND BEYOND THE PILE ON THE DOWNSTREAM SIDE. SANDBAGS WILL SECURE THE EXCESS LINER AS SHOWN. REFER TO THE STANDARD FOR LINER SPECIFICATIONS.

| REFERENCE | |
|-----------|------------------|
| Project | _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |

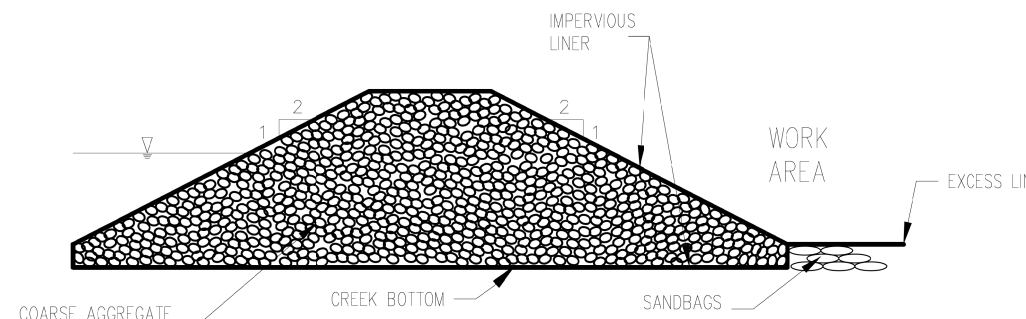


STANDARD DWG. NO.
IUM-503RF
SHEET 5 OF 7
DATE 7-09-2012

ROCK PARTIAL COFFERDAM



PLAN VIEW



SECTION A-A

NOTES:

1. THE LINER SHALL BE PLACED ON BOTTOM OF WATERWAY W/EXCESS LINER EXTENDING OUT OF THE COFFERED AREA. ONCE STONE IS PLACED, LINER WILL BE PULLED OVER ROCK AND EXTEND BEYOND THE PILE ON THE DOWNSTREAM SIDE. SANDBAGS WILL SECURE THE EXCESS LINER AS SHOWN. REFER TO THE STANDARD FOR LINER SPECIFICATIONS.

| REFERENCE | |
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| Project | _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |



STANDARD DWG. NO.
IUM-503RP
SHEET 6 OF 7
DATE 7-09-2012

| REVISION | DATE | BY | REMARKS |
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| REVIEWED | |
| APPROVED | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

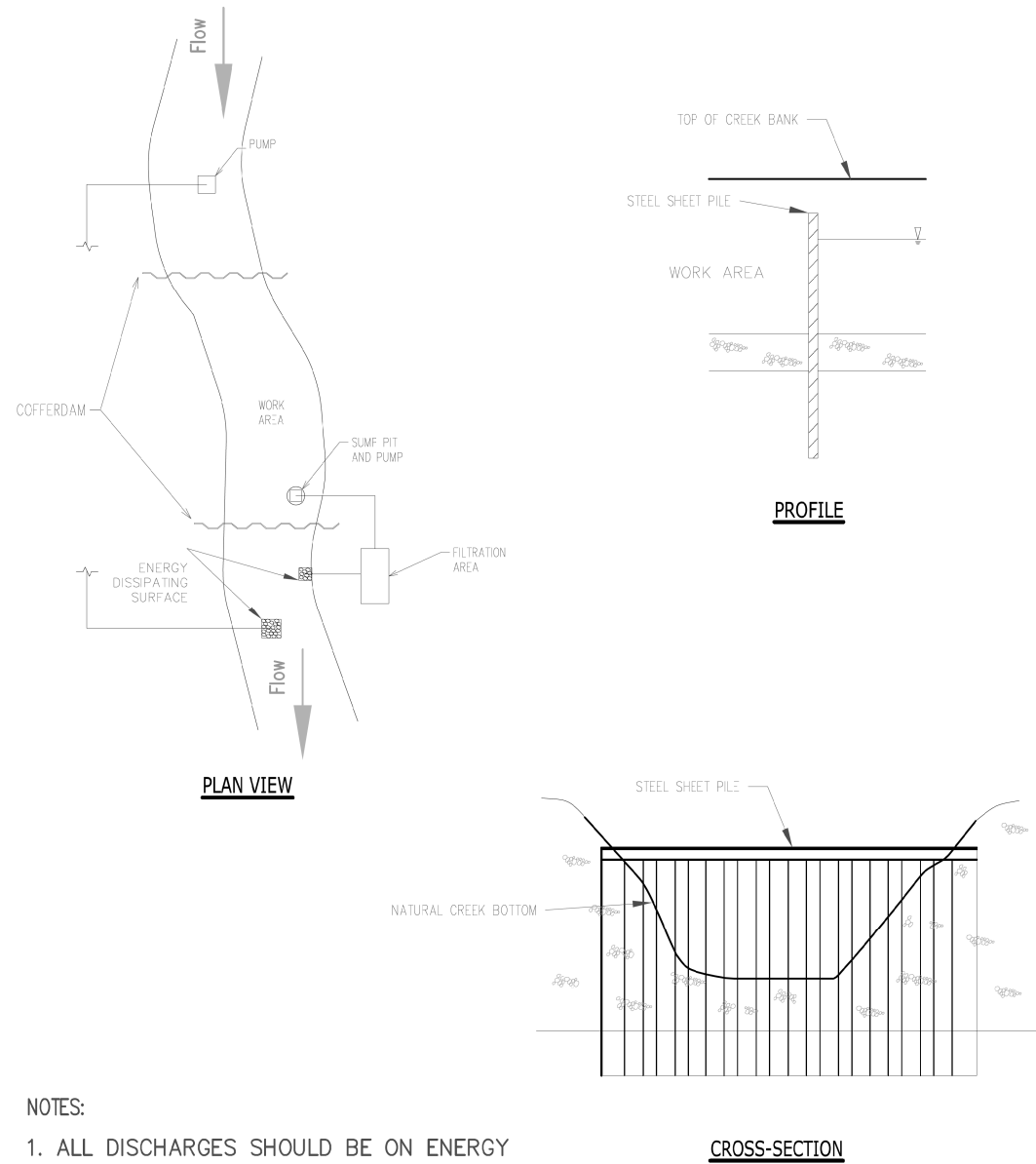


STORM WATER POLLUTION PREVENTION PLAN

SHEET 9 OF 10 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 22 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

STEEL SHEET PILE COFFERDAM



- NOTES:**
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES
 2. LOCATION FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

| REFERENCE | |
|-----------|------------------|
| Project | _____ |
| Designed | _____ Date _____ |
| Checked | _____ Date _____ |
| Approved | _____ Date _____ |



STANDARD DWG. NO.
IUM-503SS
SHEET 7 OF 7
DATE 7-09-2012

| REVISION | DATE | BY | REMARKS |
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| DRAWN | |
| REVIEWED | |
| APPROVED | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

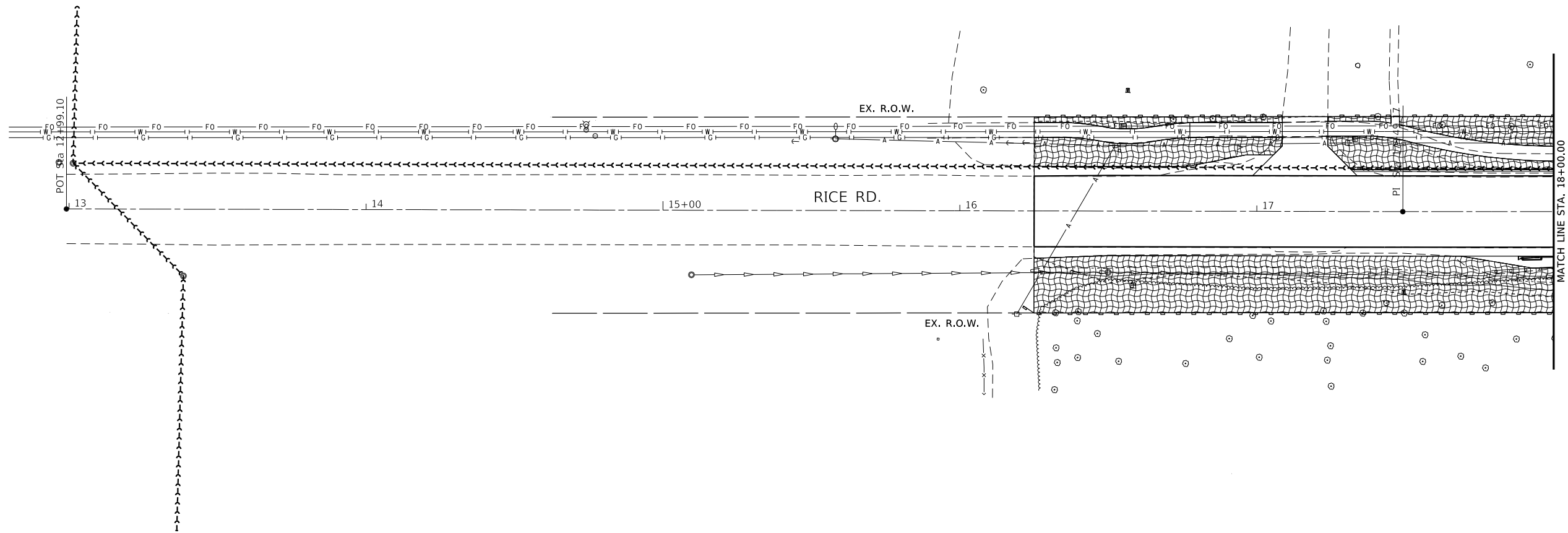


WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

STORM WATER POLLUTION PREVENTION PLAN

SHEET 10 OF 10 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 23 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



EROSION CONTROL NOTES

THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER 1/2" OF RAIN OR MORE BY THE INDIVIDUAL ON SITE IN CHARGE OF SOIL EROSION AND SEDIMENT CONTROL DURING THE CONSTRUCTION OF THE PROJECT.

PERIMETER EROSION BARRIER SHALL COMPLY WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED AS SHOWN ON THIS EROSION CONTROL PLAN AND IN ACCORDANCE WITH STATIONS SHOWN ON THE SCHEDULE OF QUANTITIES SHEET OR AS DIRECTED BY THE ENGINEER.





EROSION CONTROL BLANKET SHALL BE PLACED ON ALL DISTURBED AREAS AS SHOWN ON THIS EROSION CONTROL PLAN SHEET AND IN ACCORDANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE USE OF GREEN DYE IN THE EROSION CONTROL BLANKET IS NOT ACCEPTABLE.

STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN 3 DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

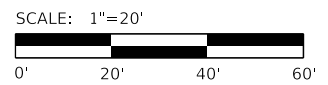
ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

LEGEND

-  PERIMETER EROSION BARRIER
-  EROSION CONTROL BLANKET
-  SEEDING, CLASS 1A (SPECIAL)
-  STONE RIPRAP, CLASS A4 (SPECIAL)



Know what's below.
Call before you dig.



| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | ATK |
| APPROVED | GFS |

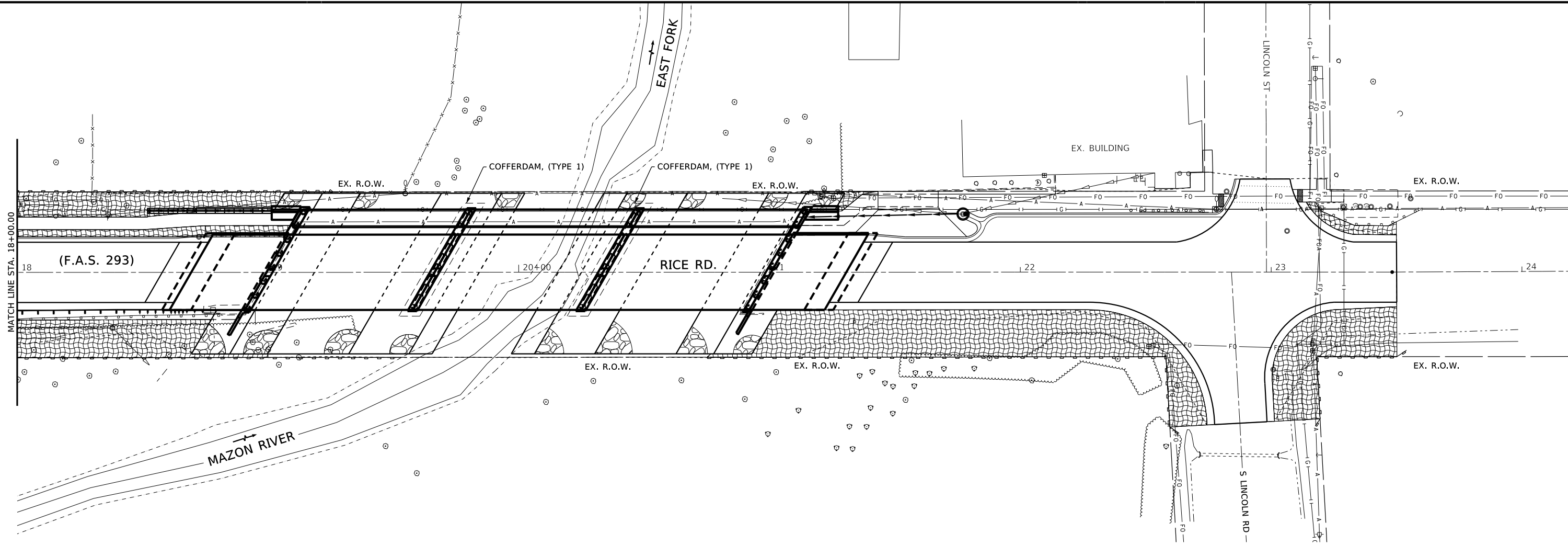
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



EROSION CONTROL PLAN

SHEET 1 OF 2 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 24 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



EROSION CONTROL NOTES

THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER 1/2" OF RAIN OR MORE BY THE INDIVIDUAL ON SITE IN CHARGE OF SOIL EROSION AND SEDIMENT CONTROL DURING THE CONSTRUCTION OF THE PROJECT.

PERIMETER EROSION BARRIER SHALL COMPLY WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED AS SHOWN ON THIS EROSION CONTROL PLAN AND IN ACCORDANCE WITH STATIONS SHOWN ON THE SCHEDULE OF QUANTITIES SHEET OR AS DIRECTED BY THE ENGINEER.



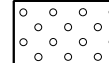

EROSION CONTROL BLANKET SHALL BE PLACED ON ALL DISTURBED AREAS AS SHOWN ON THIS EROSION CONTROL PLAN SHEET AND IN ACCORDANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE USE OF GREEN DYE IN THE EROSION CONTROL BLANKET IS NOT ACCEPTABLE.

STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN 3 DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

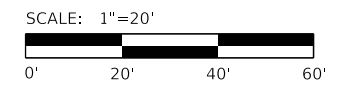
ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

LEGEND

-  PERIMETER EROSION BARRIER
-  EROSION CONTROL BLANKET
-  SEEDING, CLASS 1A (SPECIAL)
-  STONE RIPRAP, CLASS A4 (SPECIAL)



Know what's below.
Call before you dig.



| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | CJI | | |
| DRAWN | CJI | | |
| REVIEWED | ATK | | |
| APPROVED | GFS | | |

**GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026**

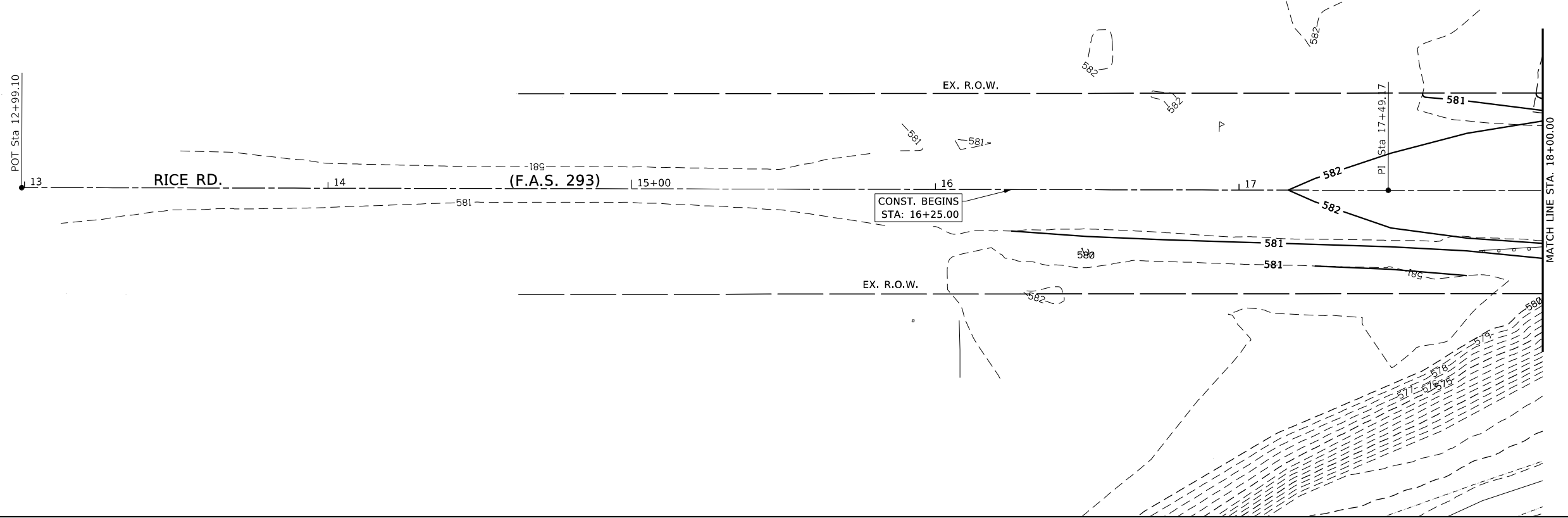


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809 EAST 2ND STREET, DIXON, IL 61021-0367
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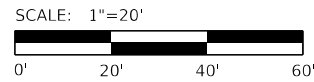
EROSION CONTROL PLAN

SHEET 2 OF 2 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 25 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



Know what's below.
Call before you dig.



| LEGEND | | | |
|--------|------------------------|--|------------------------|
| | PROPOSED MAJOR CONTOUR | | EXISTING MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR | | EXISTING MINOR CONTOUR |

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| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

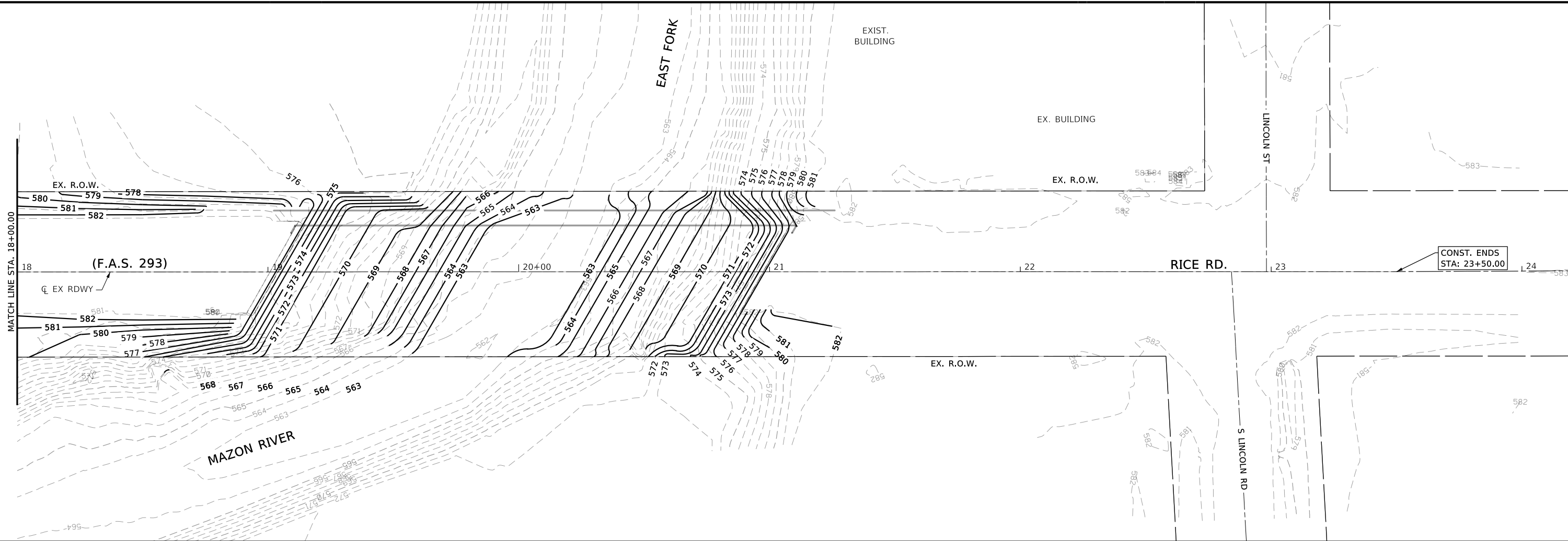


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 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

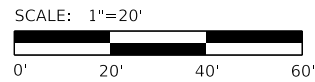
GRADING PLAN

SHEET 1 OF 2 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 1 | 1 |
| CONTRACT# 87893 | | WHA* | 1464D24 | |
| ILLINOIS | | | | |



Know what's below.
Call before you dig.



LEGEND

- PROPOSED MAJOR CONTOUR - - - - EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR - - - - EXISTING MINOR CONTOUR

| REVISION | DATE | BY | REMARKS |
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| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

**GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026**



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ENGINEERING ARCHITECTURE LAND SURVEYING
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T: 815-284-3381 DESIGN FIRM: #184-000918

GRADING PLAN

SHEET 2 OF 2 SHEETS

| | | | | |
|------------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 27 |
| CONTRACT # 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

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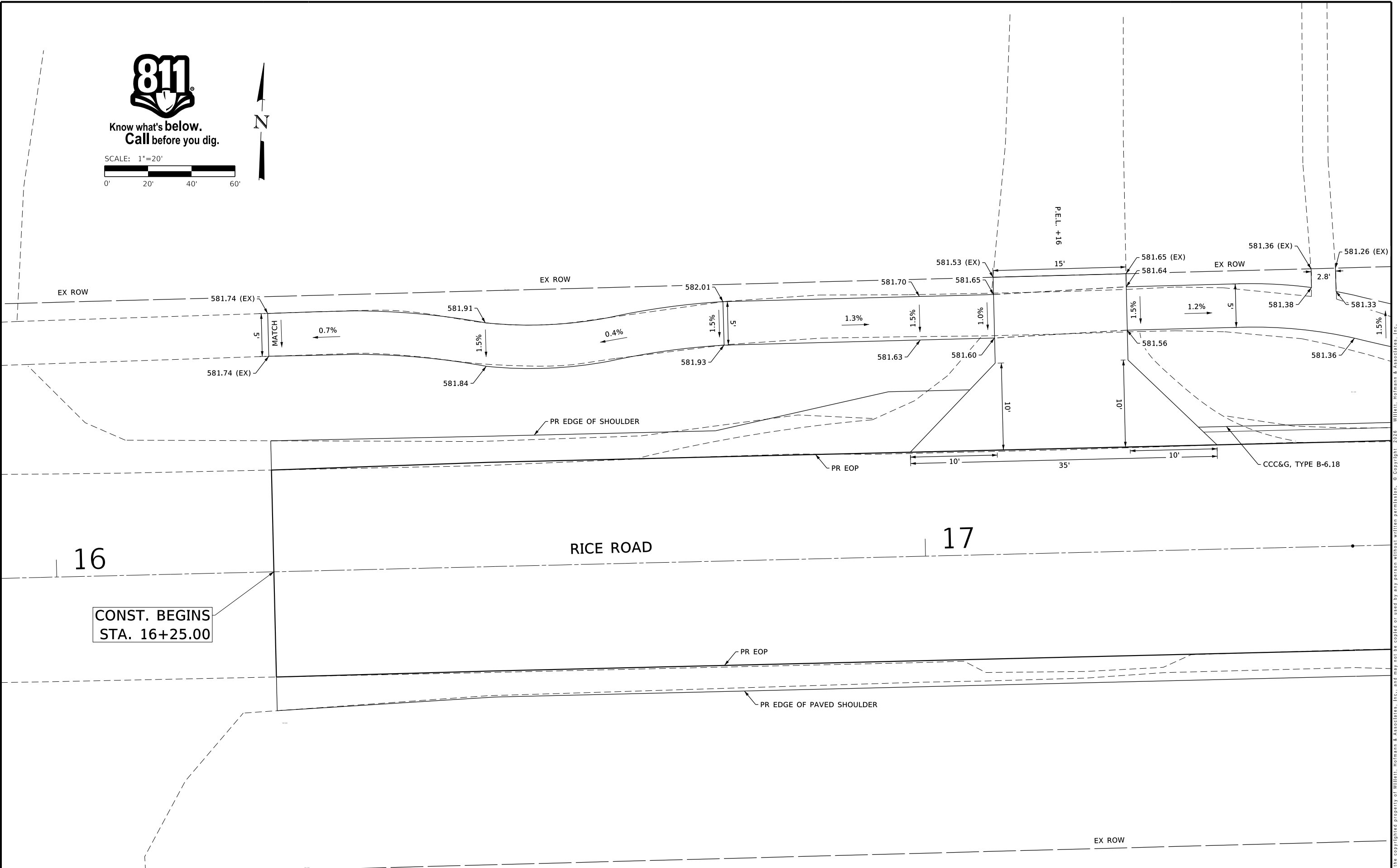


Know what's below.
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SCALE: 1"=20'



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16

RICE ROAD

17

CONST. BEGINS
STA. 16+25.00

| REVISION | DATE | BY | REMARKS |
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| DRAWN | CJI |
| REVIEWED | GBG |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



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SIDEWALK DETAILS
RICE ROAD
SHEET 1 OF 3 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 28 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
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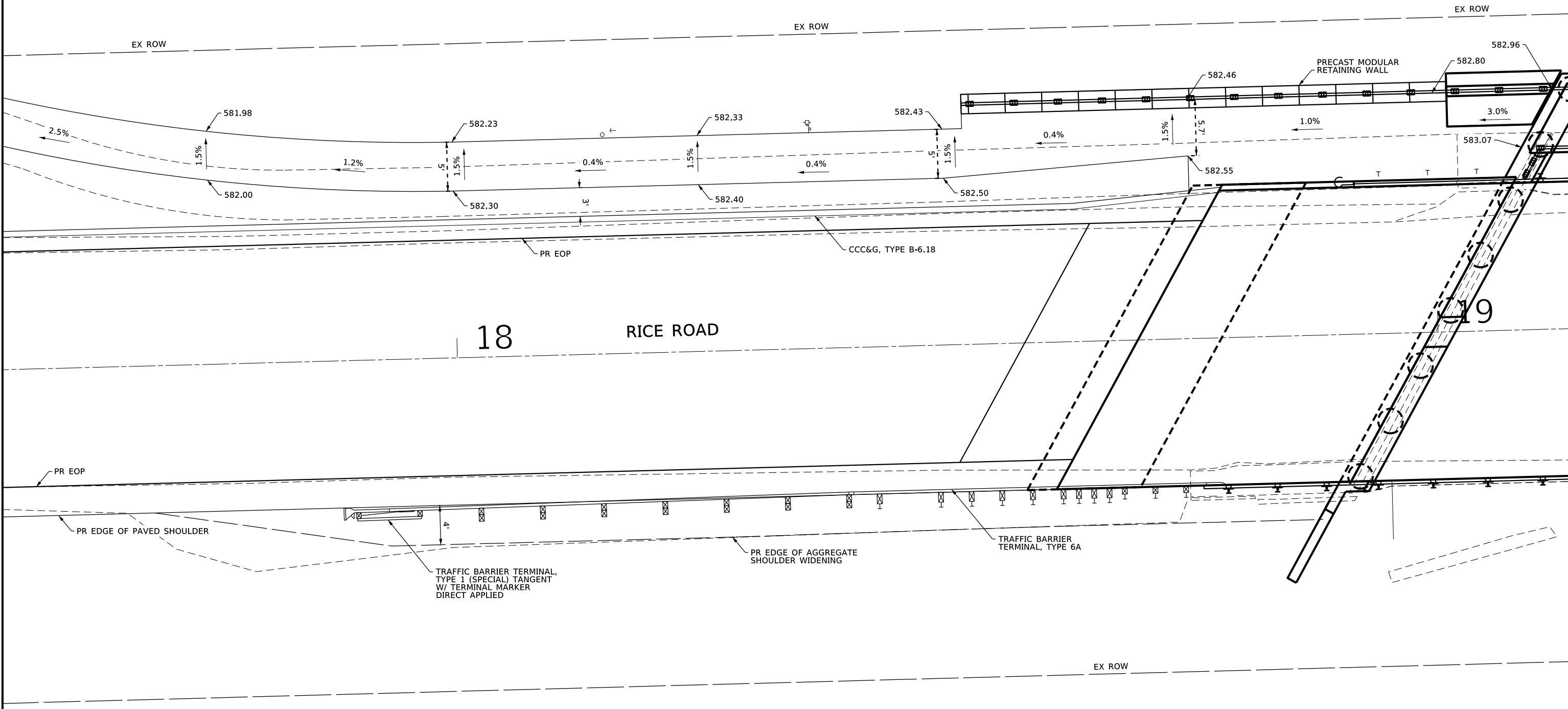


Know what's below.
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SCALE: 1"=20'



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| DRAWN | CJI |
| REVIEWED | GBG |
| APPROVED | ATK |

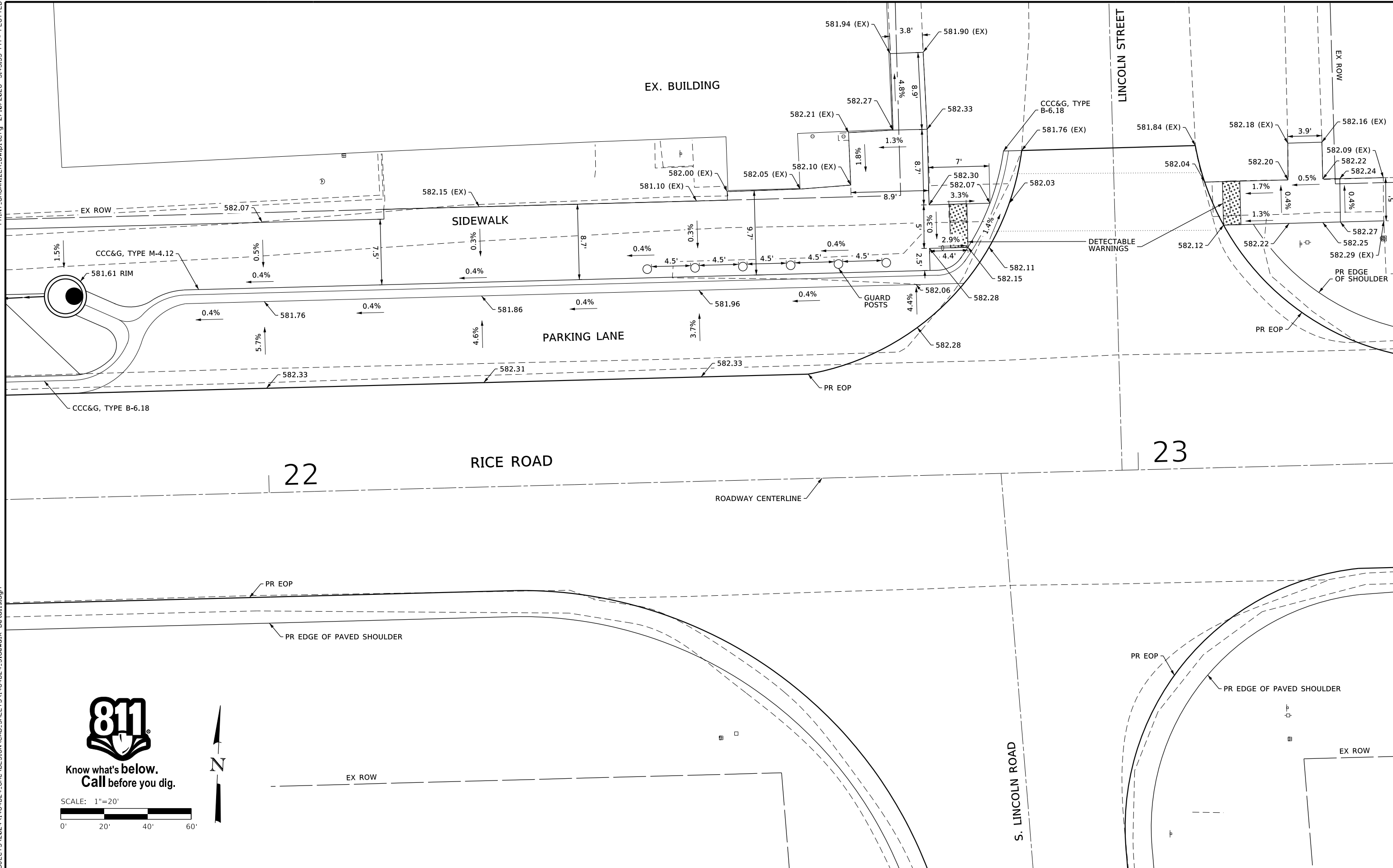
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



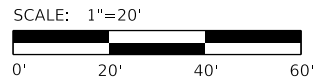
SIDEWALK DETAILS
RICE ROAD
SHEET 2 OF 3 SHEETS

| | | | | |
|-----------------|----------------|--------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 29 |
| CONTRACT# 87893 | | WHA* | 1464D24 | |
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| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



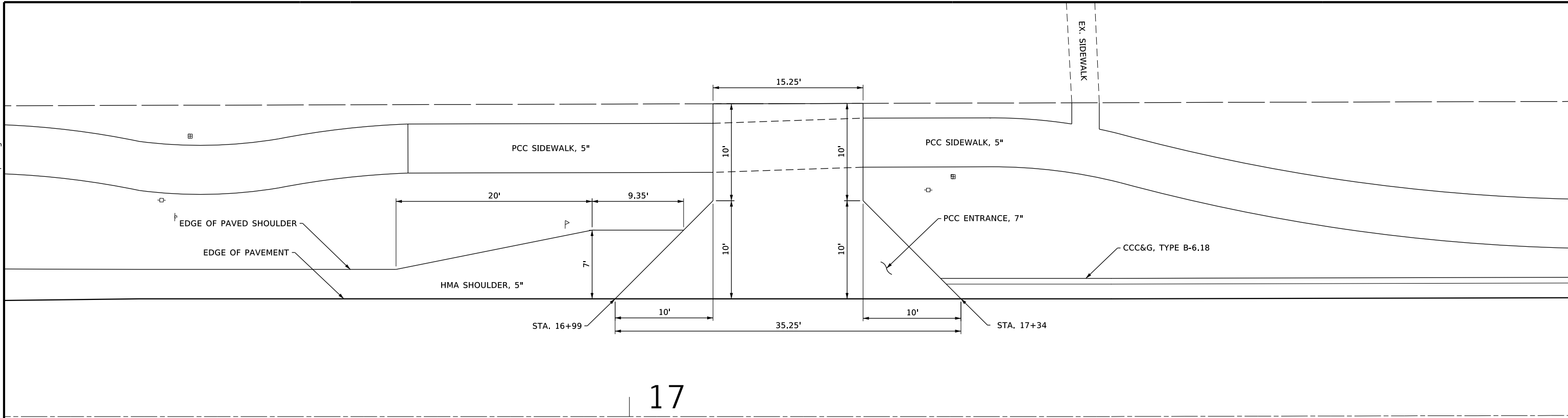
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SIDEWALK DETAILS
RICE ROAD AND LINCOLN STREET
SHEET 3 OF 3 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 30 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
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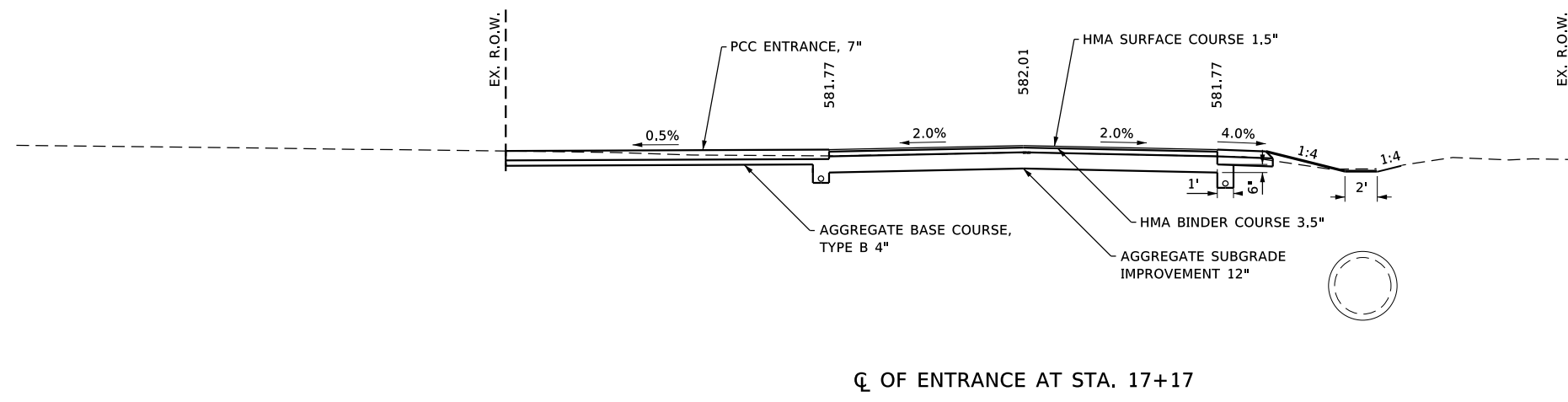
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17

PROPOSED PRIVATE ENTRANCE

LT STA. 16+99 TO 17+34



CL OF ENTRANCE AT STA. 17+17

| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
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| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



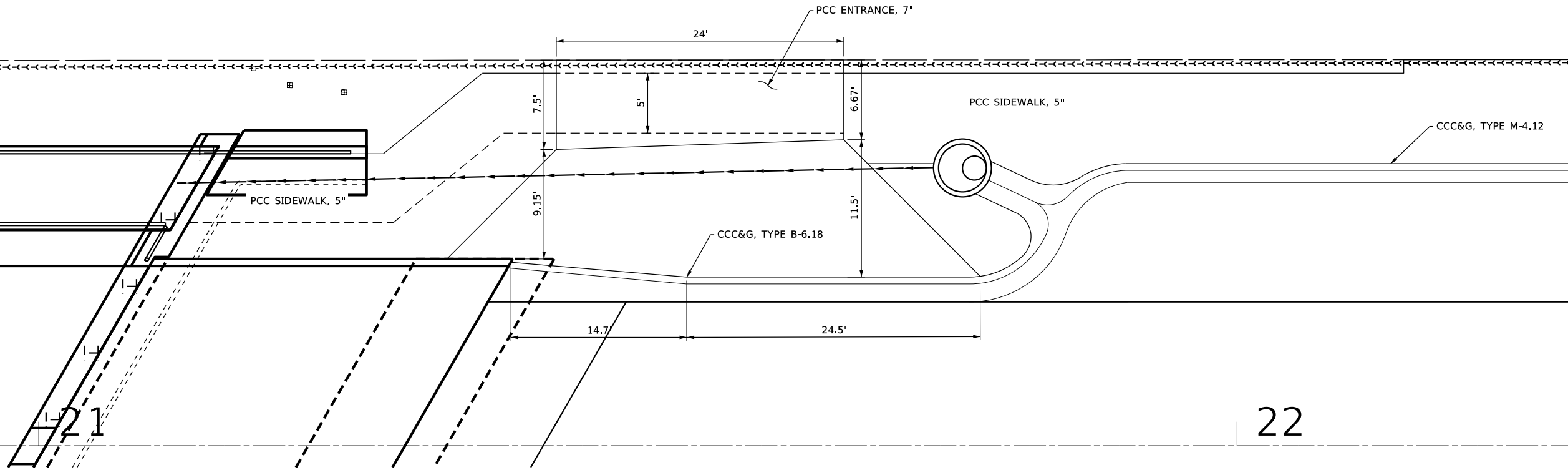
ENTRANCE DETAILS
STA. 17+17
SHEET 1 OF 2

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 31 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
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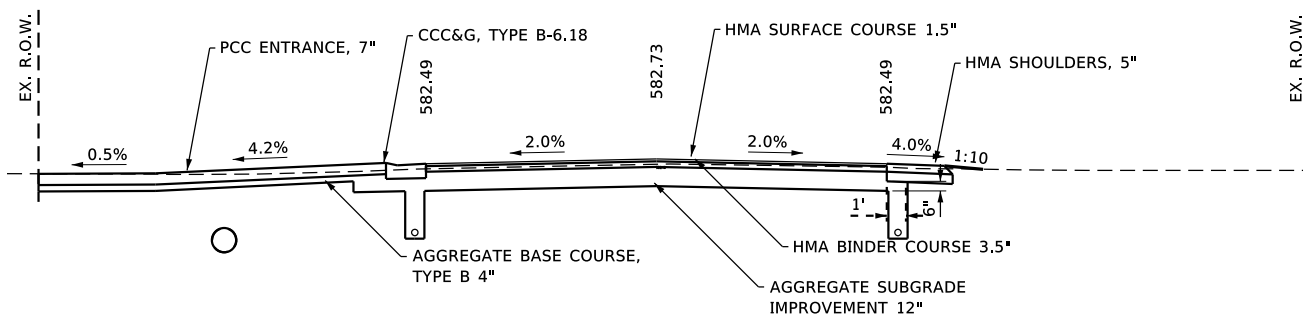
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PROPOSED PRIVATE ENTRANCE

LT STA. 22+73 TO 23+19



CL OF ENTRANCE AT STA. 21+55

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| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



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ENTRANCE DETAILS
STA. 21+55
SHEET 2 OF 2

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 32 |
| CONTRACT# 87893 | | WHA# 1464D24 | | |
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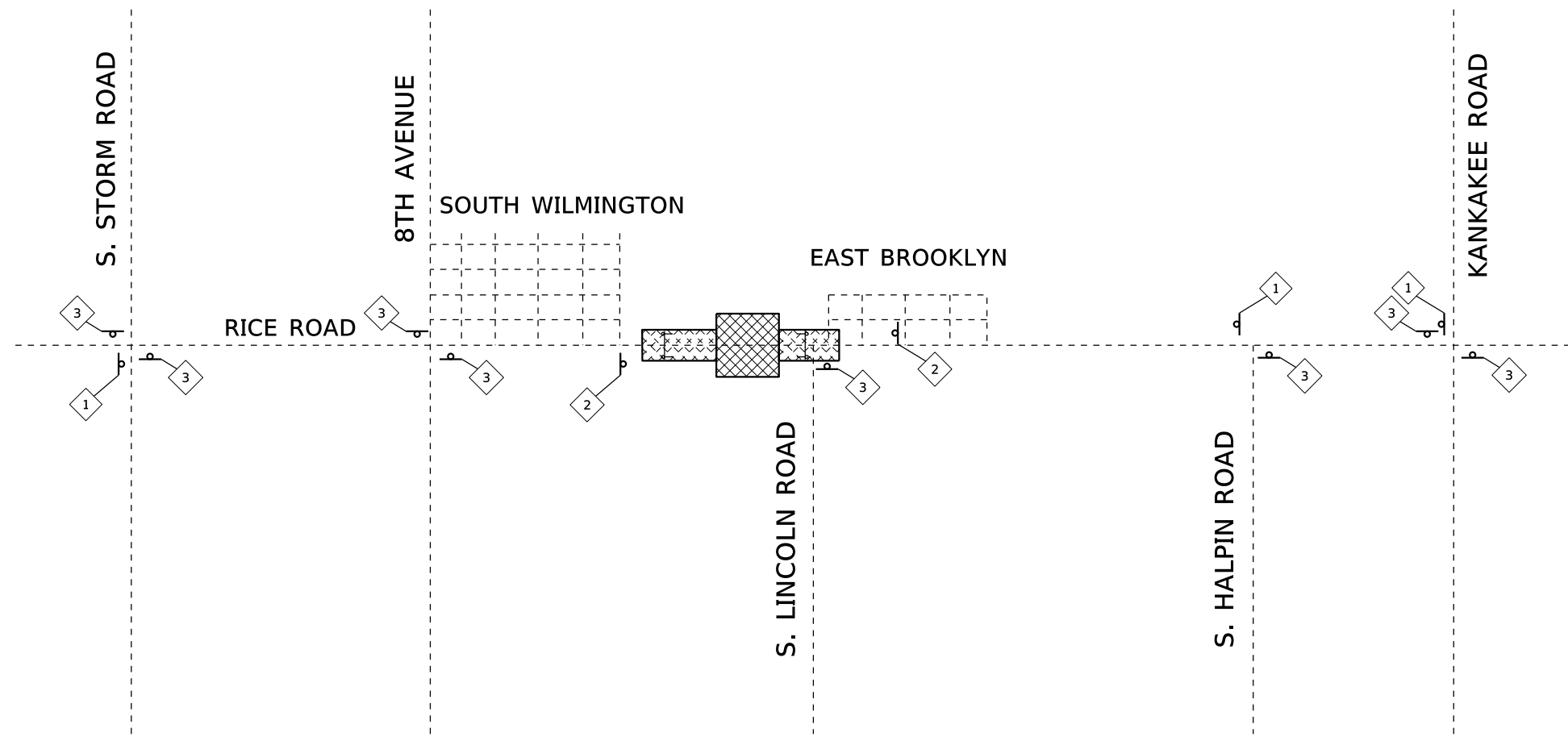
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MAINTENANCE OF TRAFFIC PLAN MAP

NOT TO SCALE

SIGN LEGEND

- 1 W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
- XX.X MILES AHEAD
- 2 W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
- 3 W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
- RICE ROAD



LEGEND

- ROAD CLOSURE PARTIALLY CLOSED
- ROAD CLOSURE COMPLETELY CLOSED PORTION
- TYPE III BARRICADE W/ FLASHING LIGHTS
- # OR # DENOTES TYPE

MAINTENANCE OF TRAFFIC GENERAL NOTES

- 1) TYPE III BARRICADES WITH "ROAD CLOSED" SIGNS SHALL BE PLACED WEST OF THE INTERSECTION OF SOUTH LINCOLN ROAD FOR ALL CONSTRUCTION TAKING PLACE WEST OF SOUTH LINCOLN ROAD AND THE INTERSECTION SHALL REMAIN OPEN DURING THIS PERIOD.
- 2) TYPE III BARRICADES WITH "ROAD CLOSED" SIGNS SHALL BE PLACED EAST OF THE END OF CONSTRUCTION AND AT EACH END OF SOUTH LINCOLN ROAD FOR ALL CONSTRUCTION TAKING PLACE WITHIN THE INTERSECTION OF SOUTH LINCOLN ROAD AND RICE ROAD, EFFECTIVELY CLOSING THE INTERSECTION DURING THIS PERIOD.
- 3) ALL TRAFFIC CONTROL SIGNAGE SHALL FOLLOW THE HIGHWAY STANDARDS LISTED IN THE SPECIAL PROVISIONS.
- 4) THE CONTRACTOR SHALL MAKE ALL CHANGES IN SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.



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| DRAWN | CJI |
| REVIEWED | GBG |
| APPROVED | GFS |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



MAINTENANCE OF TRAFFIC PLAN

SHEET 1 OF 1

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 33 |
| CONTRACT# 87893 | | WHA# 1464024 | | |
| ILLINOIS | | | | |

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EXISTING STRUCTURE: S.N. 032-3335 A three span (3 @ 65'-0") PPC Deck Beam Bridge with a 30'-0" Roadway width on spill thru abut. and solid wall concrete piers on spread footings. Sta. 20+00. 30° Skew Lt. Ahead.
Road closed during construction.
No salvage.

BENCH MARK #401: RR Spike in LP N. Side Rice Rd. W. Side Ent. to House #20
23.34' Lt. of Sta. 15+58.33
El. 581.57

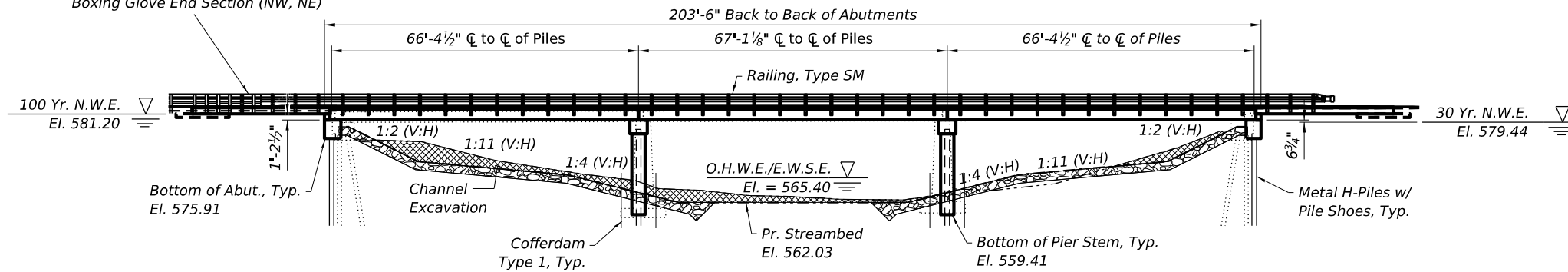
BENCH MARK #403: Fd. RR. Spk. in P.P. @ S.E. Cor. Rice Rd. & Lincoln Rd.
28.11' Rt. of Sta. 23+16.17
El. 582.22

BENCH MARK #402: Fd. Chis. "□" N.E. Cor. of Str. on Top of Wall
14.99' Lt. of Sta. 21+16.84
El. 584.93

INDEX OF STRUCTURAL SHEETS

- 1-2 General Plan and Elevation
- 3 Riprap and Pile Layout
- 4-5 Top of Approach Slab Elevations
- 6 Superstructure
- 7 Pedestrian Bridge Superstructure
- 8-11 Approach Slab Details
- 12-13 27X36 PPC Deck Beam Details
- 14-15 27X36 PPC Deck Beam Details Pedestrian
- 16-17 27X48 PPC Deck Beam Details
- 18-19 27X48 PPC Deck Beam Details Pedestrian
- 20-22 West Abutment Details
- 23-25 East Abutment Details
- 26-27 Pier Details
- 28 Precast Modular Retaining Wall Details
- 29 Hp Pile Details
- 30-31 Steel Railing Type SM
- 32-34 Bicycle Railing
- 35-37 Soil Borings
- 38-46 Existing Plans

Approach Railing & Steel Railing, Type 6A (SW)
Approach Railing Boxing Glove End Section (SE)
Boxing Glove End Section (NW, NE)

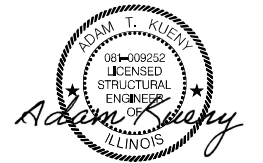
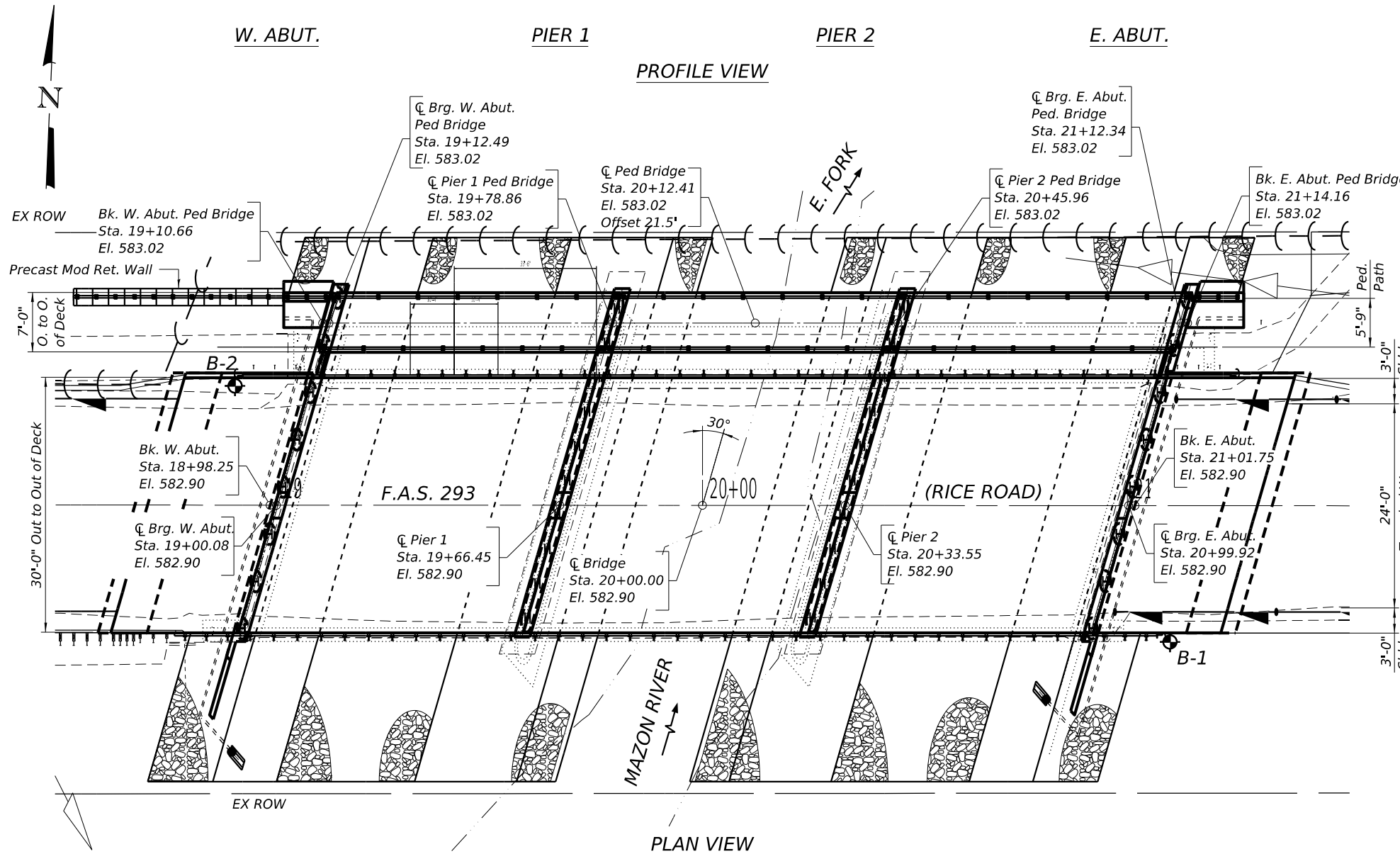


WATERWAY INFORMATION

| Drainage Area = 103.15 Sq. Mi. | | | Low Grade Ex. & Pr.: 581.13 @ 15+00 | | | | | | |
|--------------------------------|-----------|---------|-------------------------------------|------|-----------------|-------|---------------|--------|-------|
| Flood | Freq. Yr. | Q C.F.S | Opening Sq. Ft. | | Nat. Head - ft. | | Headwater El. | | |
| | | | Exist. | Prop | H.W.E. | Exist | Prop | Exist. | Prop. |
| Design | 30 | 5637 | 2068 | 2322 | 579.4 | 0.1 | 0.0 | 579.5 | 579.5 |
| Base | 100 | 7772 | 2108 | 2372 | 581.2 | 0.2 | 0.1 | 581.4 | 581.3 |
| Scour | 200 | 8621 | 2108 | 2372 | 581.7 | 0.3 | 0.1 | 581.9 | 581.8 |
| Max. Calc | 500 | 10007 | 2108 | 2372 | 582.5 | 0.2 | 0.2 | 582.7 | 582.6 |

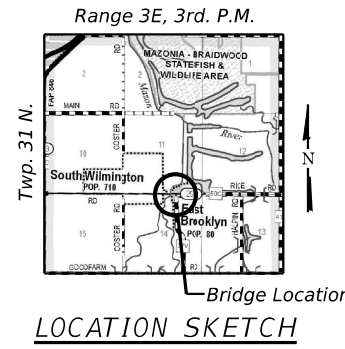
DESIGN SCOUR ELEVATION TABLE

| Event / Limit | Design Scour Elevations (ft.) | | | | Item 113 |
|---------------|-------------------------------|--------|--------|----------|----------|
| | W. Abut. | Pier 1 | Pier 2 | E. Abut. | |
| State | 575.91 | 554.71 | 554.71 | 575.91 | 5 |
| Q100 | 575.91 | 554.65 | 554.65 | 575.91 | |
| Q200 | 575.91 | 554.71 | 554.71 | 575.91 | |
| Design | 575.91 | 554.71 | 554.71 | 575.91 | |
| Check | 575.91 | 554.65 | 554.65 | 575.91 | |



DATE: 2/10/2026
EXPIRES 11/30/26

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans, the design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Bridge Design Specifications.'"



GENERAL PLAN & ELEVATION
F.A.S. 293 (RICE ROAD)
OVER E. FORK MAZON RIVER
SECTION 24-00202-00-BR
EXISTING S.N. 032-3335
PROPOSED S.N. 032-3336
GRUNDY COUNTY
STATION 20+00

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



GENERAL PLAN & ELEVATION
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 1 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 34 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

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DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design Specifications, 10th Edition

DESIGN STRESSES

FIELD UNITS

$f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
PRECAST PRESTRESSED UNITS
 $f_c = 6,000$ psi
 $f_{ci} = 5,000$ psi
 $f_{pu} = 270,000$ psi ($\frac{1}{2}$ " \emptyset Low Lax Strands)
 $f_{pbt} = 201,960$ psi ($\frac{1}{2}$ " \emptyset Low Lax Strands)

HIGHWAY CLASSIFICATION

F.A.S. 293 - Rice Road
Functional Class: Major Collector
ADT: 1465 (2025 - Current); 1465 (2025 - Design)
ADTT: 88 (2025 - Current); 88 (2025 - Design)
DHV: 147
Design Speed: 30 m.p.h.
Posted Speed: 30 m.p.h.
Two-Way Traffic
Directional Distribution: 50:50

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

2023 AASHTO Seismic Hazard
Seismic Design Category (SDC) = A
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.145g
Soil Site Class = C
Performance Level = Operational
Latitude = 41.1721°N Longitude = 88.2696° W

E. FORK MAZON RIVER
BUILT 2026 BY
GRUNDY COUNTY
SECTION 24-00202-00-BR
RICE ROAD STA. 20+00
STR. NO. 032-3336 LOADING HL-93

NAME PLATE LETTERING

Refer To Std. 515001

GENERAL NOTES:

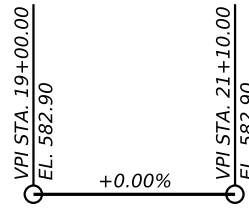
* See Special Provisions

Reinforcement bars designated (E) shall be epoxy coated.

The channel shall be transitioned to fit the proposed structure inside the right of way.
Cost shall be included in the Price per Cubic Yard for Channel Excavation.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

If the Contractor's procedure for the existing beam removal involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and the procedure will not overstress the existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall always be used under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams.



PROFILE GRADE

(along \emptyset roadway)

BILL OF MATERIAL - BRIDGE

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|-------|-------|-------|-------|
| CHANNEL EXCAVATION | CU YD | ----- | 466 | 466 |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50 | TON | 75 | ----- | 75 |
| REMOVAL OF EXISTING STRUCTURES | EACH | ----- | 1 | 1 |
| STRUCTURE EXCAVATION | CU YD | ----- | 133 | 133 |
| COFFERDAM EXCAVATION | CU YD | ----- | 114 | 114 |
| COFFERDAM (TYPE 1) (LOCATION - 1) | EACH | ----- | 1 | 1 |
| COFFERDAM (TYPE 1) (LOCATION - 2) | EACH | ----- | 1 | 1 |
| CONCRETE STRUCTURES | CU YD | ----- | 269.9 | 269.9 |
| CONCRETE ENCASEMENT | CU YD | ----- | 8.8 | 8.8 |
| PROTECTIVE COAT | SQ YD | 159 | ----- | 159 |
| CONCRETE SUPERSTRUCTURE (APPROACH SLAB) | CU YD | 86.2 | ----- | 86.2 |
| * PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH) | SQ FT | 7437 | ----- | 7437 |
| REINFORCEMENT BARS, EPOXY COATED | POUND | 41810 | 20680 | 62490 |
| STEEL RAILING, TYPE SM | F00T | 433 | ----- | 433 |
| BICYCLE RAILING | F00T | 480 | ----- | 480 |
| FURNISHING STEEL PILES HP14X73 | F00T | ----- | 1778 | 1778 |
| DRIVING PILES | F00T | ----- | 1778 | 1778 |
| TEST PILE STEEL HP14X73 | EACH | ----- | 4 | 4 |
| PILE SHOES | EACH | ----- | 48 | 48 |
| NAME PLATES | EACH | ----- | 1 | 1 |
| PRECAST MODULAR RETAINING WALL | SQ FT | ----- | 112 | 112 |
| * FULL LANE SEALANT WATERPROOFING SYSTEM | SQ YD | 879 | ----- | 879 |
| GRANULAR BACKFILL FOR STRUCTURES | CU YD | ----- | 107 | 107 |
| CONCRETE HEADWALLS FOR PIPE DRAINS | EACH | ----- | 2 | 2 |
| GEOCOMPOSITE WALL DRAIN | SQ YD | ----- | 80 | 80 |
| PIPE UNDERDRAINS FOR STRUCTURES 4" | F00T | ----- | 146 | 146 |
| * STONE RIPRAP, CLASS A4 (SPECIAL) | SQ YD | ----- | 1252 | 1252 |
| * CONCRETE WEARING SURFACE (VARIABLE DEPTH) | SQ YD | ----- | 158 | 158 |

GENERAL DATA
F.A.S. 293 (RICE ROAD)
OVER E. FORK MAZON RIVER
SECTION 24-00202-00-BR
EXISTING S.N. 032-3335
PROPOSED S.N. 032-3336
GRUNDY COUNTY
STATION 20+00

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
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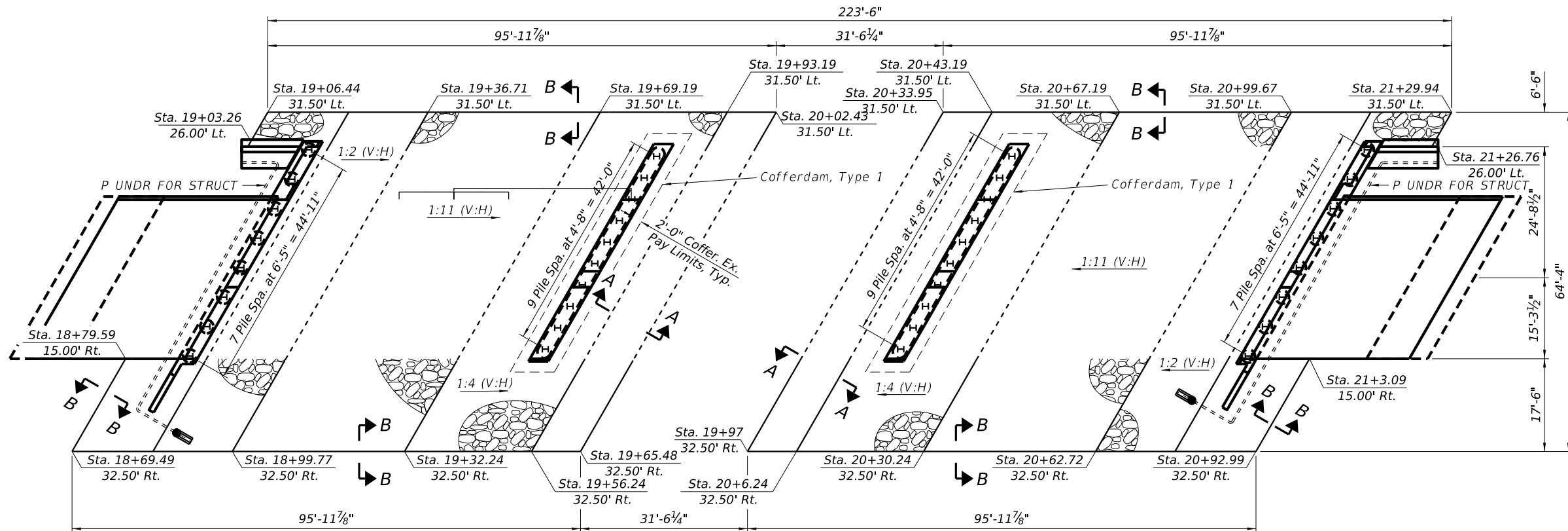
| DESIGNED | ATK |
|----------|-----|
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

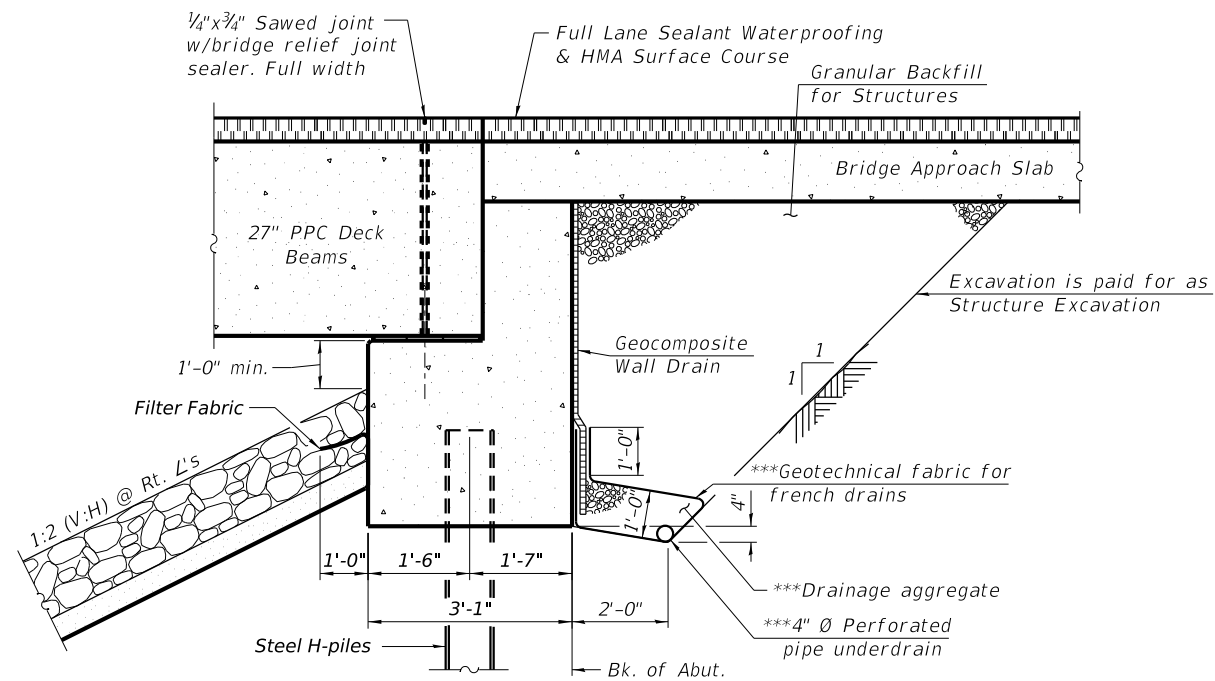


| GENERAL DATA | |
|---------------------------------|--|
| STRUCTURAL SHEET 2 OF 46 SHEETS | |

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 35 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

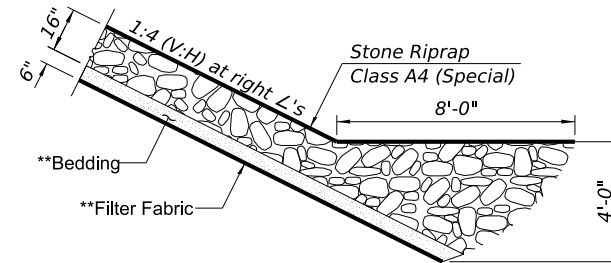


PLAN VIEW

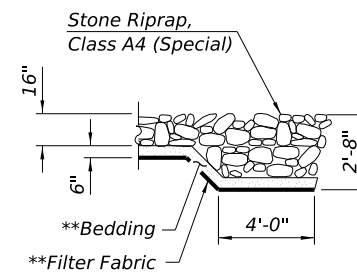


SECTION THRU SEMI-INTEGRAL ABUTMENT
(Horiz. dim. at Rt. L's)

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION A-A



SECTION B-B

BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|------------------------------------|-------|-------|
| CHANNEL EXCAVATION | CU YD | 466 |
| STRUCTURE EXCAVATION | CU YD | 133 |
| COFFERDAM EXCAVATION | CU YD | 114 |
| COFFERDAM (TYPE 1) (LOCATION - 1) | EACH | 1 |
| COFFERDAM (TYPE 1) (LOCATION - 2) | EACH | 1 |
| GRANULAR BACKFILL FOR STRUCTURES | CU YD | 107 |
| GEOCOMPOSITE WALL DRAIN | SQ YD | 80 |
| CONCRETE HEADWALLS FOR PIPE DRAINS | EACH | 2 |
| PIPE UNDERDRAINS FOR STRUCTURES 4" | FOOT | 146 |
| STONE RIPRAP, CLASS A4 (SPECIAL) | SQ YD | 1252 |

See Structural Sheet 20-25 for Abutment & Retaining Wall Details.

* Pay Limits of Granular Backfill for Structures shall extend to 2'-0" in from the end of each wingwall.

** Cost included in Stone Riprap, Class A4 (Special)

*** Included in the cost of Pipe Underdrain for Structures

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |

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|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

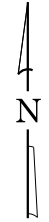


WILLET HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

RIPRAP & PILE LAYOUT
STRUCTURE NO. 032-3336

STRUCTURAL SHEET 3 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 36 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



P.G.L. / CROWN

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|--|--|
| W. End Approach Pavement | 18+69.40 | 0.00 | 582.53 | 582.88 |
| A | 18+79.40 | 0.00 | 582.54 | 582.90 |
| B | 18+89.40 | 0.00 | 582.55 | 582.90 |
| E. End Approach Pavement | 18+99.40 | 0.00 | 582.55 | 582.90 |

NORTH EDGE OF TRAFFIC LANE

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|--|--|
| W. End Approach Pavement | 18+76.33 | -12.00 | 582.30 | 582.65 |
| A | 18+86.33 | -12.00 | 582.31 | 582.66 |
| B | 18+96.33 | -12.00 | 582.31 | 582.66 |
| E. End Approach Pavement | 19+06.33 | -12.00 | 582.31 | 582.66 |

SOUTH EDGE OF TRAFFIC LANE

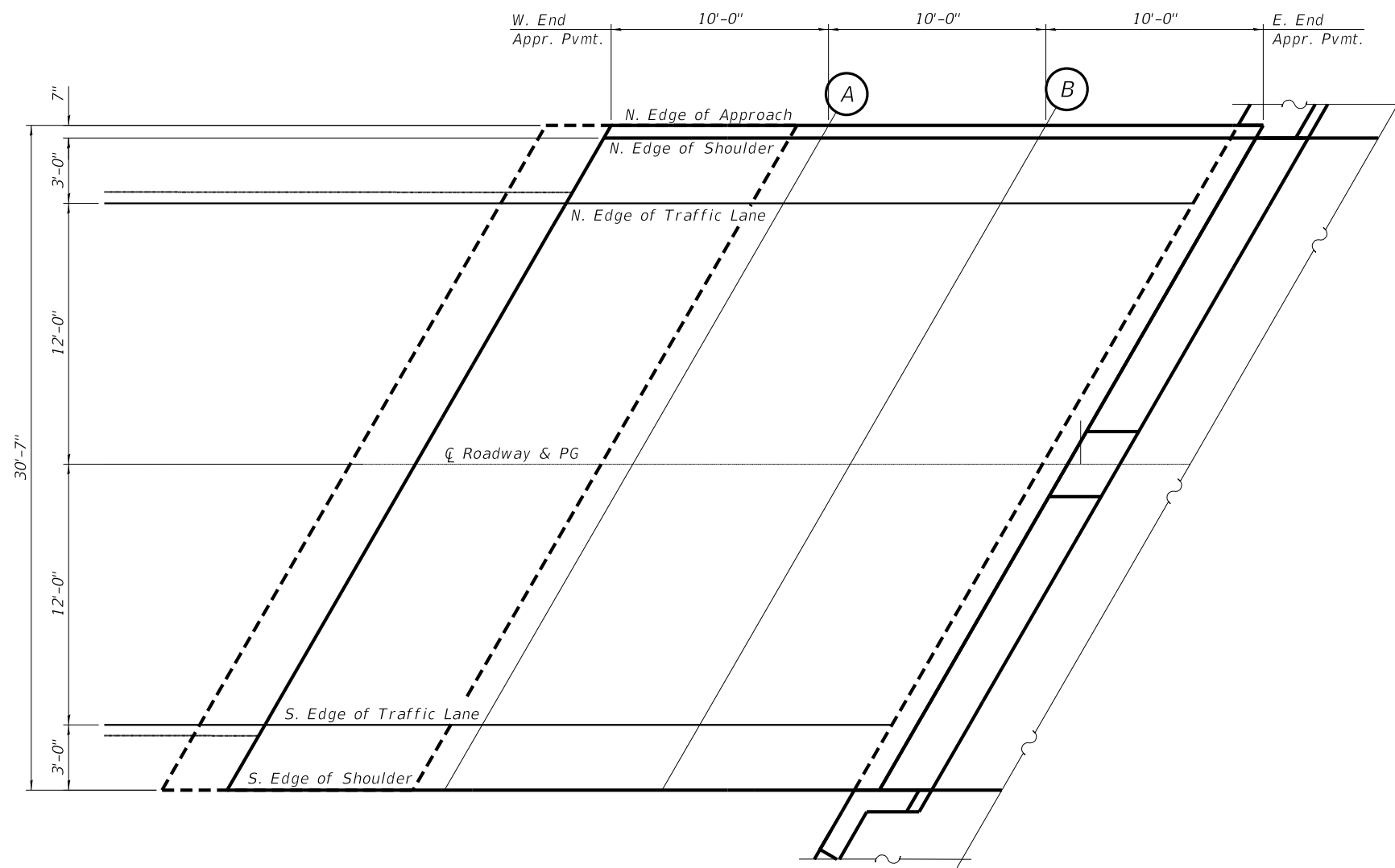
| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|--|--|
| W. End Approach Pavement | 18+62.48 | 12.00 | 582.28 | 582.63 |
| A | 18+72.48 | 12.00 | 582.29 | 582.65 |
| B | 18+82.48 | 12.00 | 582.30 | 582.66 |
| E. End Approach Pavement | 18+92.48 | 12.00 | 582.31 | 582.66 |

NORTH EDGE OF SHOULDER

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|--|--|
| W. End Approach Pavement | 18+78.06 | -15.00 | 582.24 | 582.60 |
| A | 18+88.06 | -15.00 | 582.25 | 582.60 |
| B | 18+98.06 | -15.00 | 582.25 | 582.60 |
| E. End Approach Pavement | 19+08.06 | -15.00 | 582.25 | 582.60 |

SOUTH EDGE OF SHOULDER

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|--|--|
| W. End Approach Pavement | 20+91.94 | 15.00 | 582.25 | 582.60 |
| A | 21+01.94 | 15.00 | 582.25 | 582.60 |
| B | 21+11.94 | 15.00 | 582.23 | 582.59 |
| E. End Approach Pavement | 21+21.94 | 15.00 | 582.18 | 582.53 |



PLAN

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

**GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026**



**TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 4 OF 46 SHEETS**

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 37 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

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P.G.L. / CROWN

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|---|---|
| W. End Approach Pavement | 21+00.60 | 0.00 | 582.55 | 582.90 |
| A | 21+10.60 | 0.00 | 582.55 | 582.90 |
| B | 21+20.60 | 0.00 | 582.48 | 582.84 |
| E. End Approach Pavement | 21+30.60 | 0.00 | 582.43 | 582.79 |

NORTH EDGE OF TRAFFIC LANE

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|---|---|
| W. End Approach Pavement | 21+07.52 | -12.00 | 582.31 | 582.66 |
| A | 21+17.52 | -12.00 | 582.26 | 582.62 |
| B | 21+27.52 | -12.00 | 582.21 | 582.56 |
| E. End Approach Pavement | 21+37.52 | -12.00 | 582.16 | 582.51 |

SOUTH EDGE OF TRAFFIC LANE

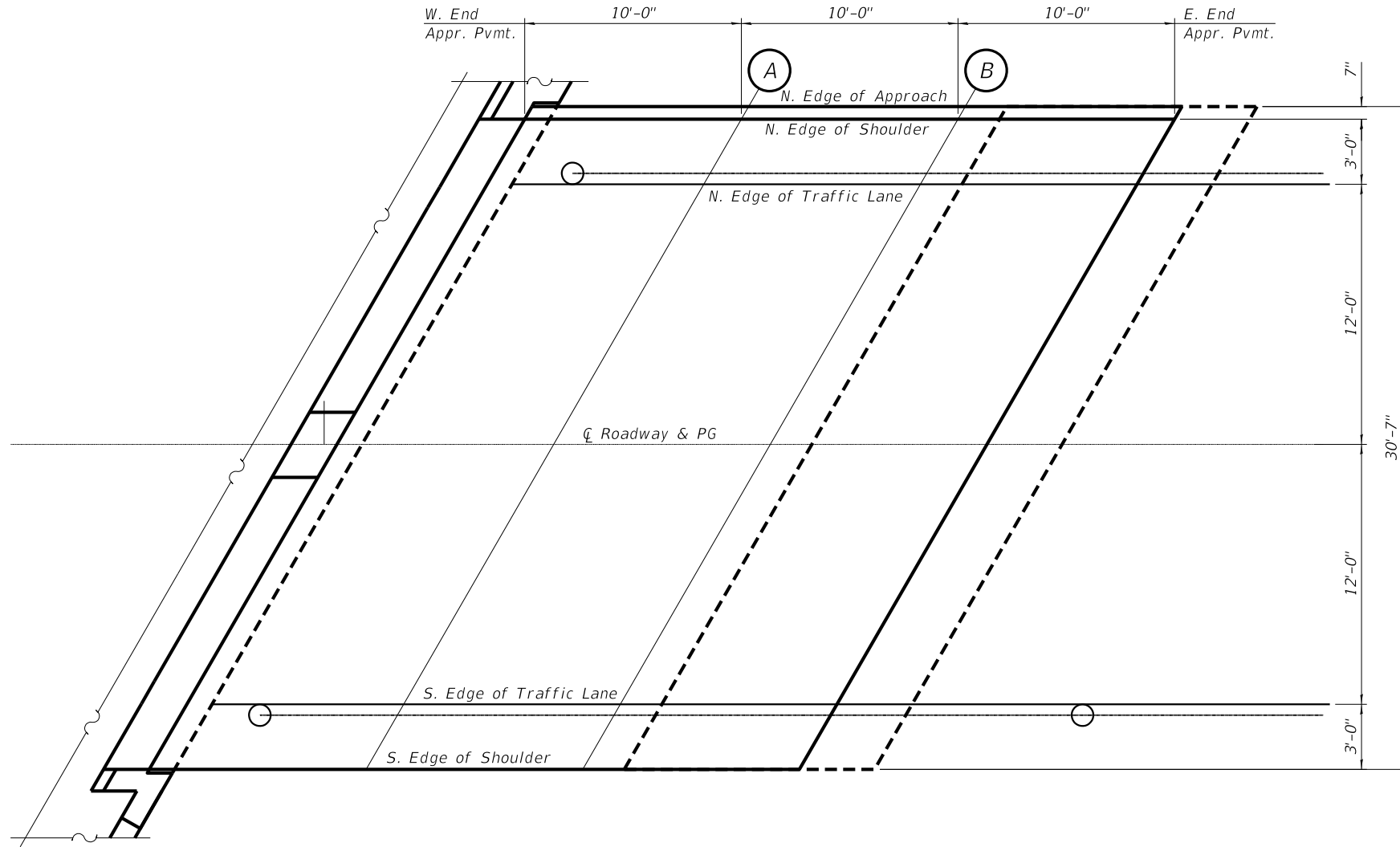
| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|---|---|
| W. End Approach Pavement | 20+93.67 | 12.00 | 582.31 | 582.66 |
| A | 21+03.67 | 12.00 | 582.31 | 582.66 |
| B | 21+13.67 | 12.00 | 582.28 | 582.64 |
| E. End Approach Pavement | 21+23.67 | 12.00 | 582.23 | 582.58 |

NORTH EDGE OF SHOULDER

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|---|---|
| W. End Approach Pavement | 21+09.26 | -15.00 | 582.25 | 582.60 |
| A | 21+19.26 | -15.00 | 582.19 | 582.55 |
| B | 21+29.26 | -15.00 | 582.14 | 582.49 |
| E. End Approach Pavement | 21+39.26 | -15.00 | 582.09 | 582.45 |

SOUTH EDGE OF SHOULDER

| Location | Station | Offset | Theoretical Grade Elevations (Top of Conc. Appr.) | Theoretical Grade Elevations (Top of HMA) |
|--------------------------|----------|--------|---|---|
| W. End Approach Pavement | 20+91.94 | 15.00 | 582.25 | 582.60 |
| A | 21+01.94 | 15.00 | 582.25 | 582.60 |
| B | 21+11.94 | 15.00 | 582.23 | 582.59 |
| E. End Approach Pavement | 21+21.94 | 15.00 | 582.18 | 582.53 |



PLAN

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| DESIGNED | ATK |
|----------|-----|
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

**GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026**



WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

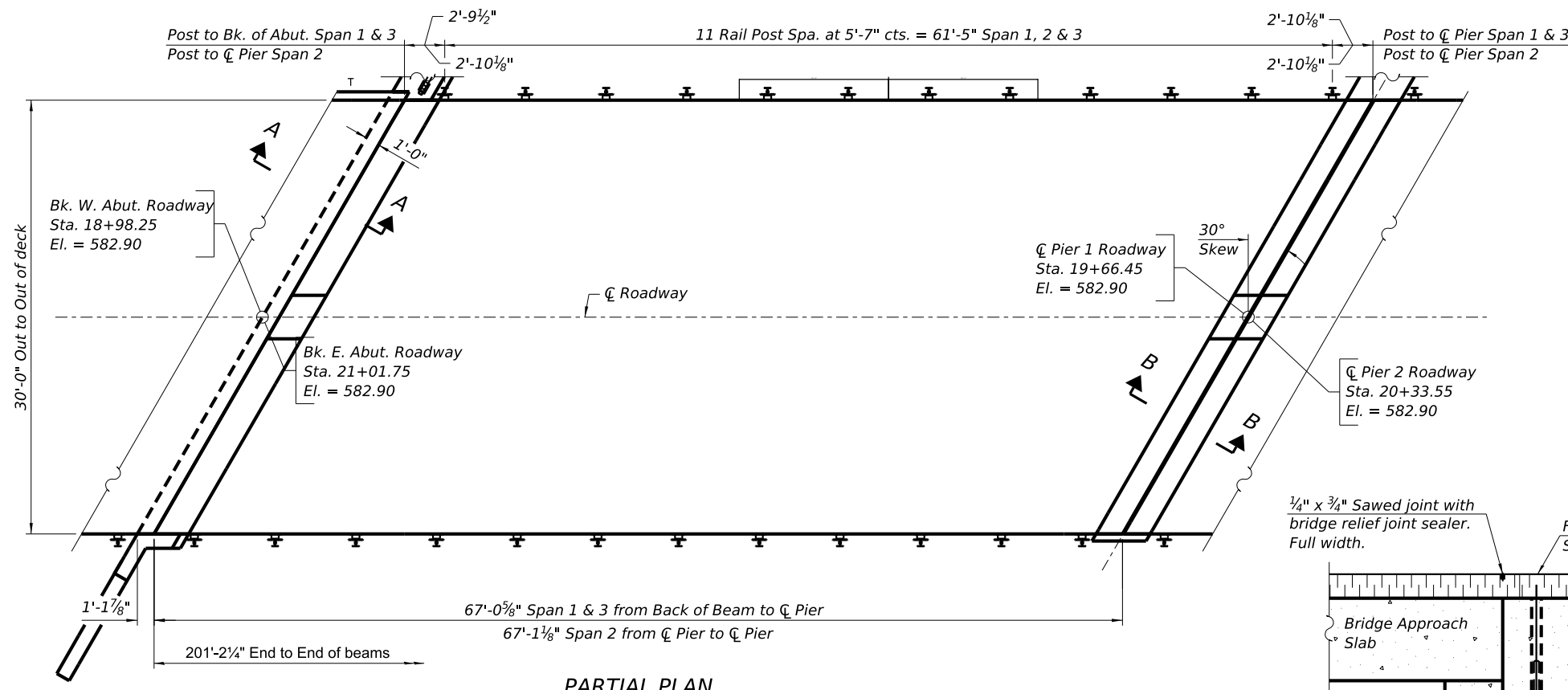
**TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 5 OF 46 SHEETS**

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 38 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

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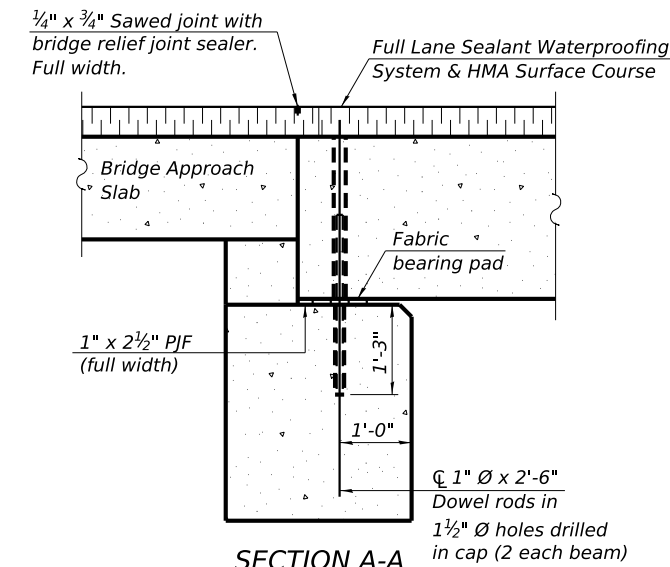
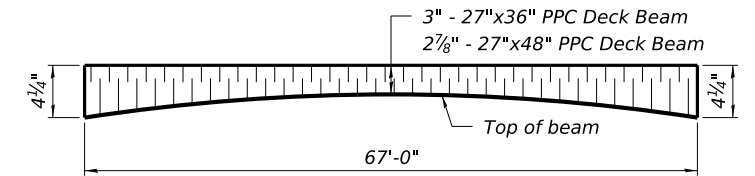
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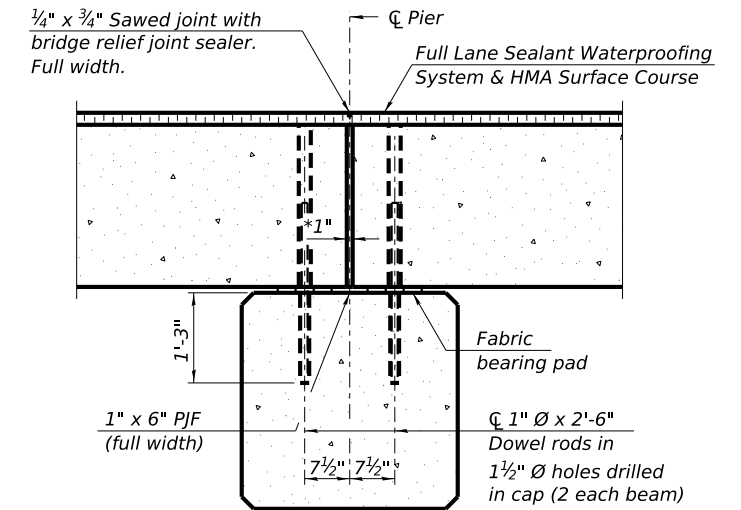


PARTIAL PLAN

FULL LANE SEALANT WATERPROOFING SYSTEM & HMA SURFACE COURSE
(For information only)

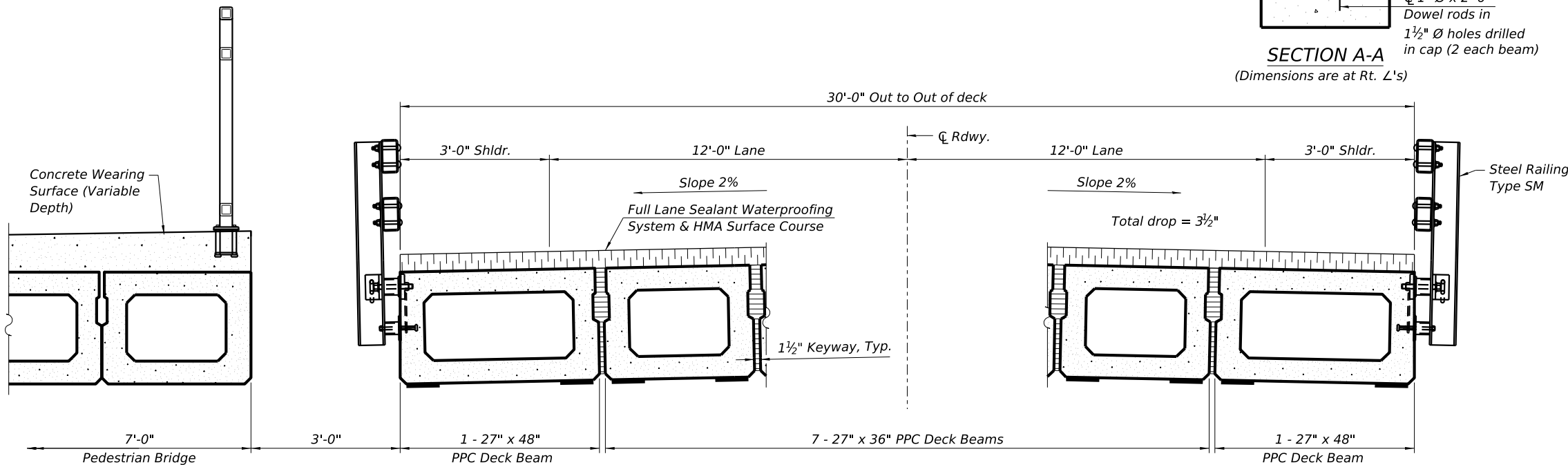


SECTION A-A
(Dimensions are at Rt. L's)



SECTION B-B
(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.



CROSS SECTION
(Looking East)

BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|--|-------|-------|
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50 | TON | 57 |
| PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH) | SQ FT | 6030 |
| FULL LANE SEALANT WATERPROOFING SYSTEM | SQ YD | 679 |

NOTES:
See Structural Sheet 12 & 17 for fabric bearing pad details.
See Structural Sheet 30 & 31 for Railing Termination at Abutments and Approach Slabs.

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | ATK | | |
| DRAWN | DAL | | |
| REVIEWED | MRL | | |
| APPROVED | ATK | | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

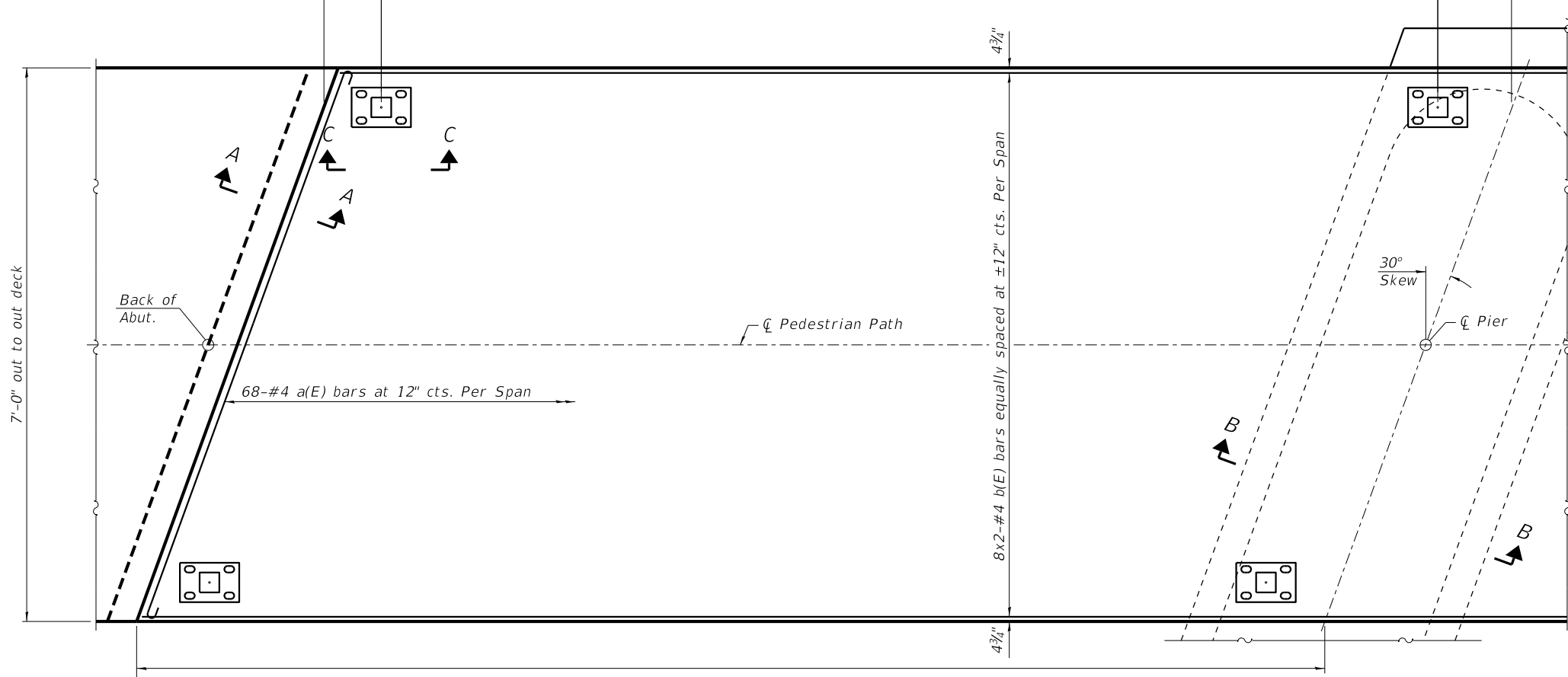


SUPERSTRUCTURE
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 6 OF 46 SHEETS

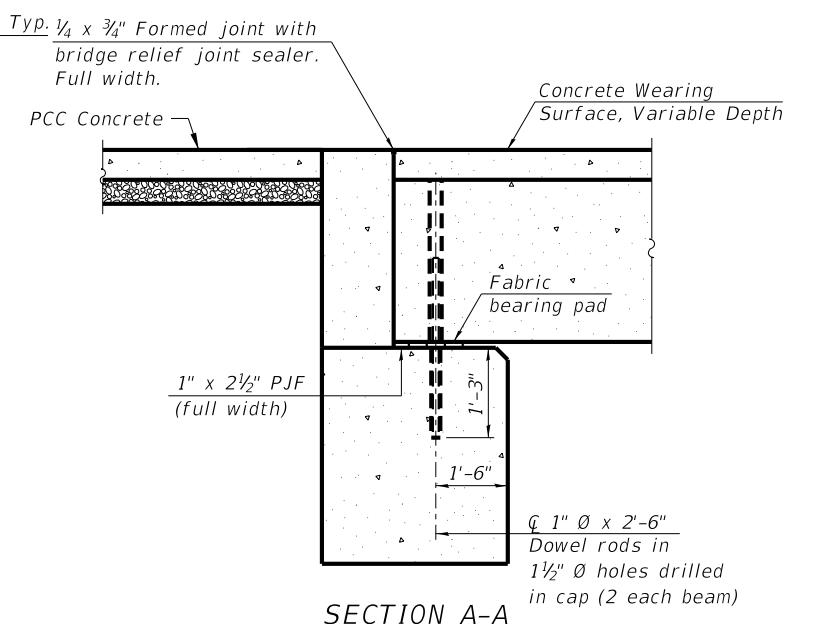
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 39 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

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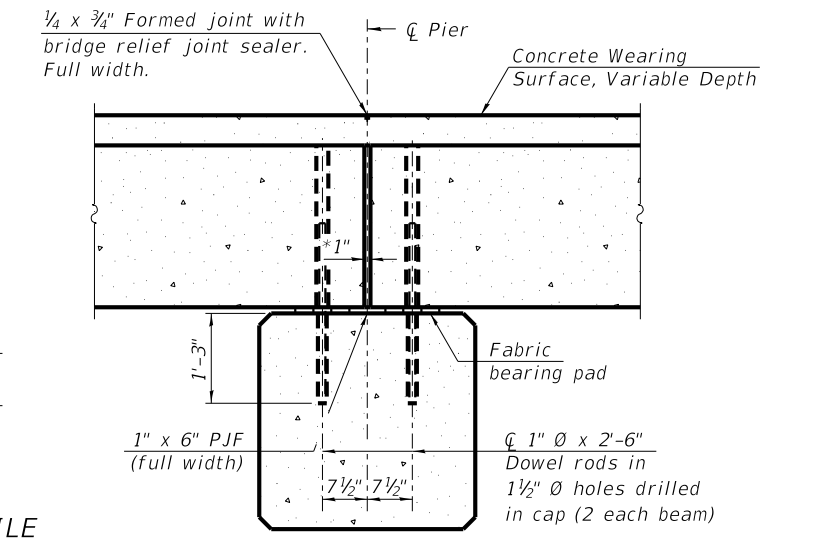
10" Post to Bk. of Beam
10 5/8" Post to C Pier, Typ. 7 Rail Post Spa. @ 9'-4" = 65'-4", Typ.



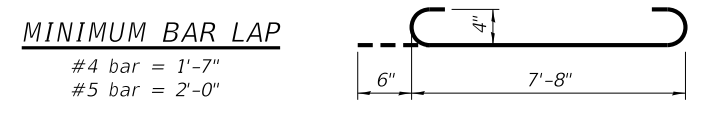
PARTIAL PLAN



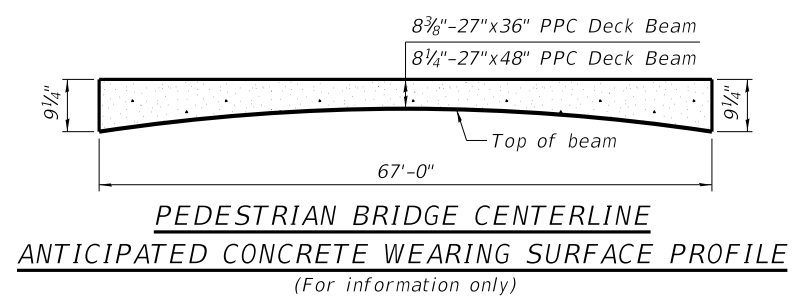
SECTION A-A
(Dimensions are at Rt. L's)



SECTION B-B
(Dimensions are at Rt. L's)



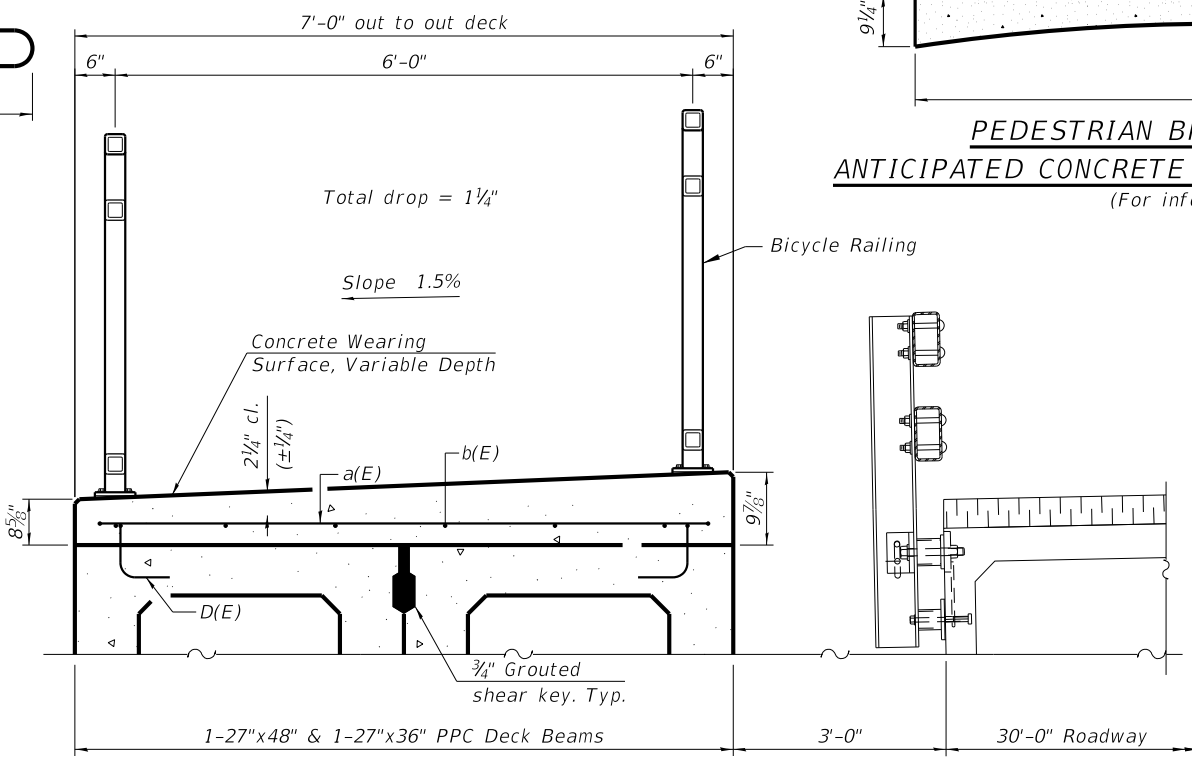
BAR a(E)



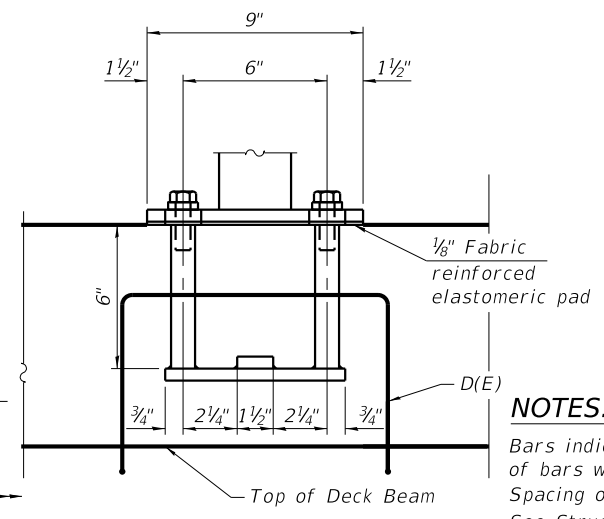
**PEDESTRIAN BRIDGE CENTERLINE
ANTICIPATED CONCRETE WEARING SURFACE PROFILE**
(For information only)

**SUPERSTRUCTURE
BILL OF MATERIAL**

| Bar | No. | Size | Length | Shape |
|---|-----|------|----------|-------|
| a(e) | 204 | 4 | 8' - 8" | |
| b(e) | 48 | 4 | 34' - 4" | — |
| PROTECTIVE COAT | | | SQ YD | 159 |
| PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH) | | | SQ FT | 1407 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 2290 |
| CONCRETE WEARING SURFACE (VARIABLE DEPTH) | | | SQ YD | 158 |

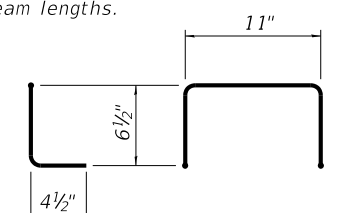


CROSS SECTION
(Looking East)



SECTION C-C

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.



BAR D(E)

* Place 2-#4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.

NOTES:

Bars indicated thus 8x2-#4 etc. indicates 8 lines of bars with 2 lengths per line. Spacing of a(E) bars shall be measured along the C of structure. See Structural Sheet 15 & 19 for fabric bearing pad details. See Structural Sheet 32-34 for Railing Termination at Abutments and Retaining Walls.

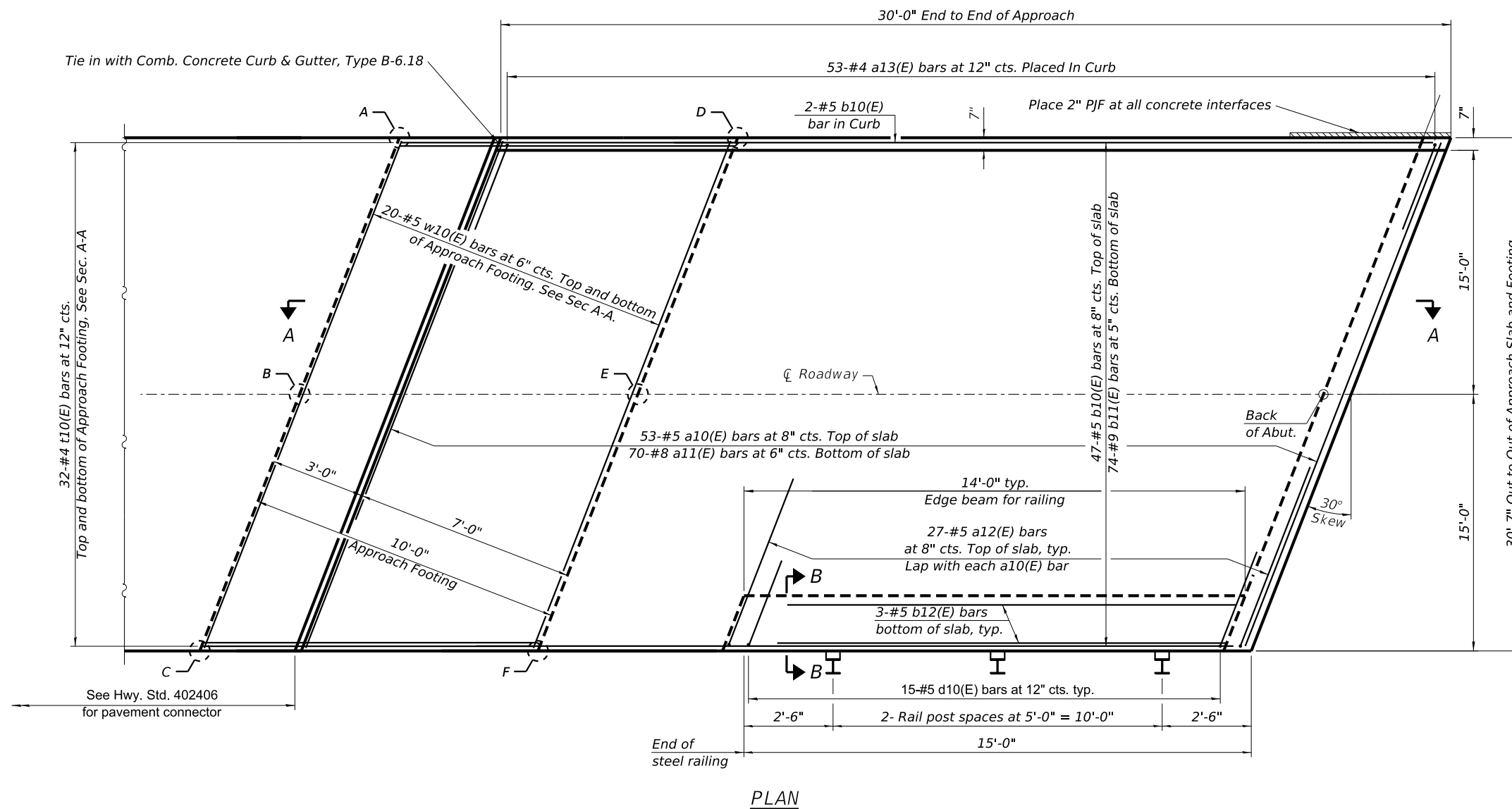
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|----------|------|----|---------|
| DESIGNED | ATK | | |
| DRAWN | DAL | | |
| REVIEWED | MRL | | |
| APPROVED | ATK | | |

**GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026**



**PEDESTRIAN BRIDGE SUPERSTRUCTURE
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 7 OF 46 SHEETS**

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 40 |
| CONTRACT# 87893 | | WHA* 1464024 | | |



**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

| West Approach | | |
|------------------|--------|--------|
| Point / Location | Top | Bottom |
| A | 580.98 | 580.12 |
| B | 581.28 | 580.12 |
| C | 580.96 | 580.12 |
| D | 580.98 | 580.12 |
| E | 581.29 | 580.12 |
| F | 580.98 | 580.12 |

PLAN

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

**GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026**

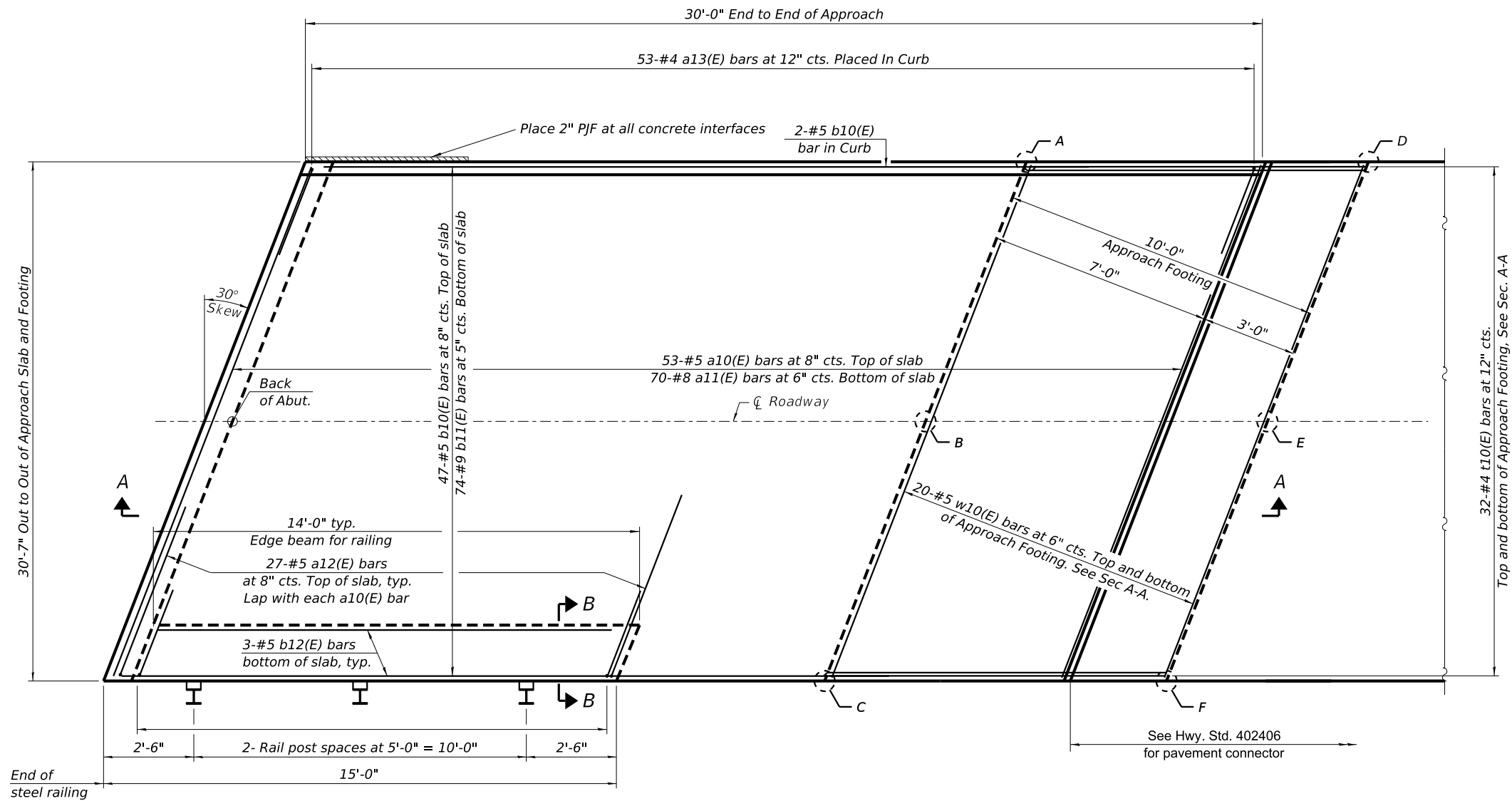


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**WEST APPROACH SLAB DETAILS
STRUCTURE NO. 032-3336**

STRUCTURAL SHEET 8 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 41 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

| East Approach | | |
|------------------|--------|--------|
| Point / Location | Top | Bottom |
| A | 580.87 | 579.98 |
| B | 581.22 | 579.98 |
| C | 580.97 | 579.98 |
| D | 580.81 | 579.98 |
| E | 581.17 | 579.98 |
| F | 580.91 | 579.98 |

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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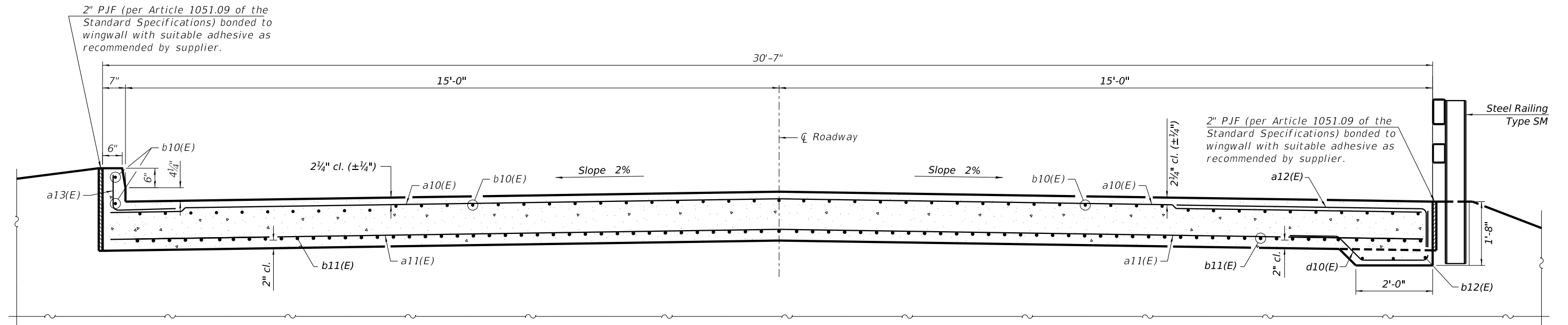
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|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026

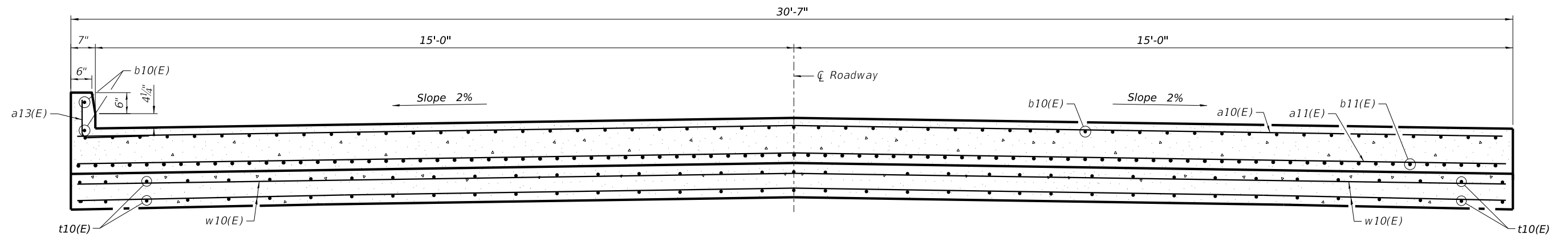


EAST APPROACH SLAB DETAILS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 9 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 42 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



CROSS SECTION NEAR ABUTMENT
(Looking East)



CROSS SECTION AT APPROACH FOOTING
(Looking East)

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
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| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

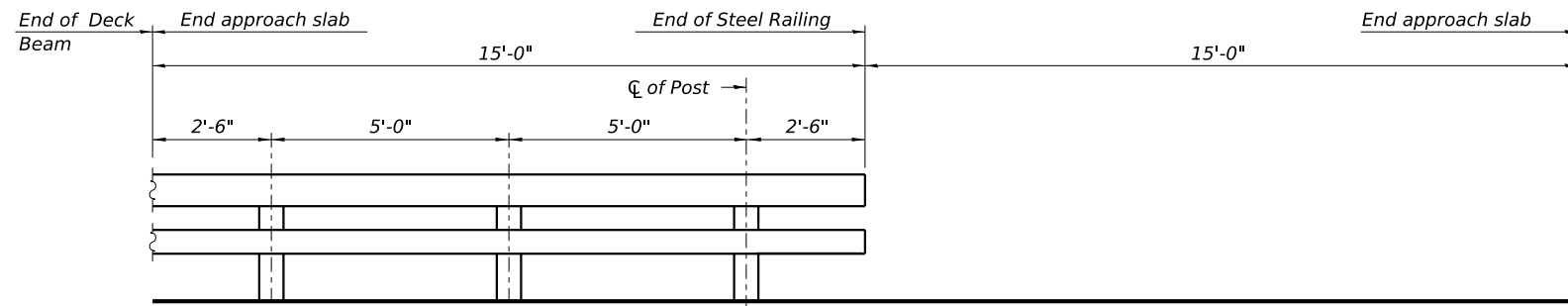


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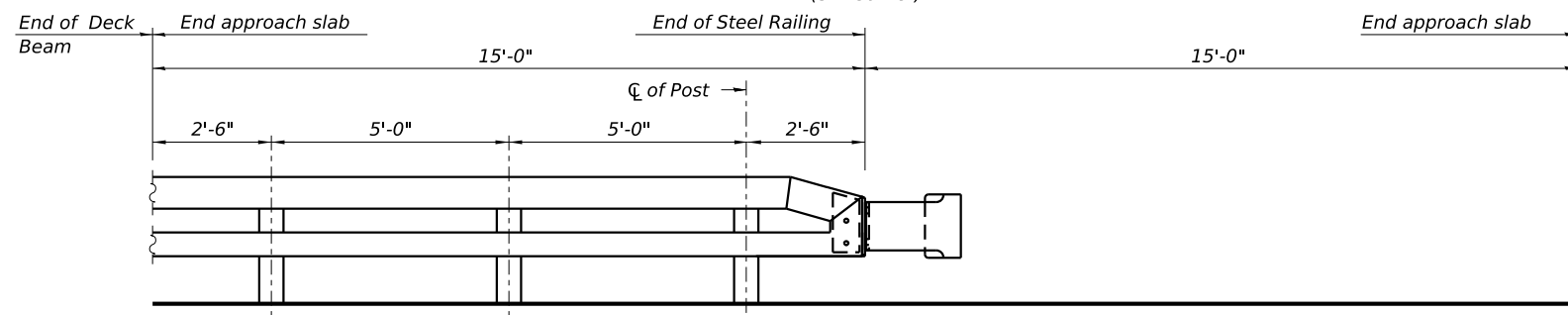
APPROACH SLAB DETAILS
STRUCTURE NO. 032-3336

STRUCTURAL SHEET 10 OF 46 SHEETS

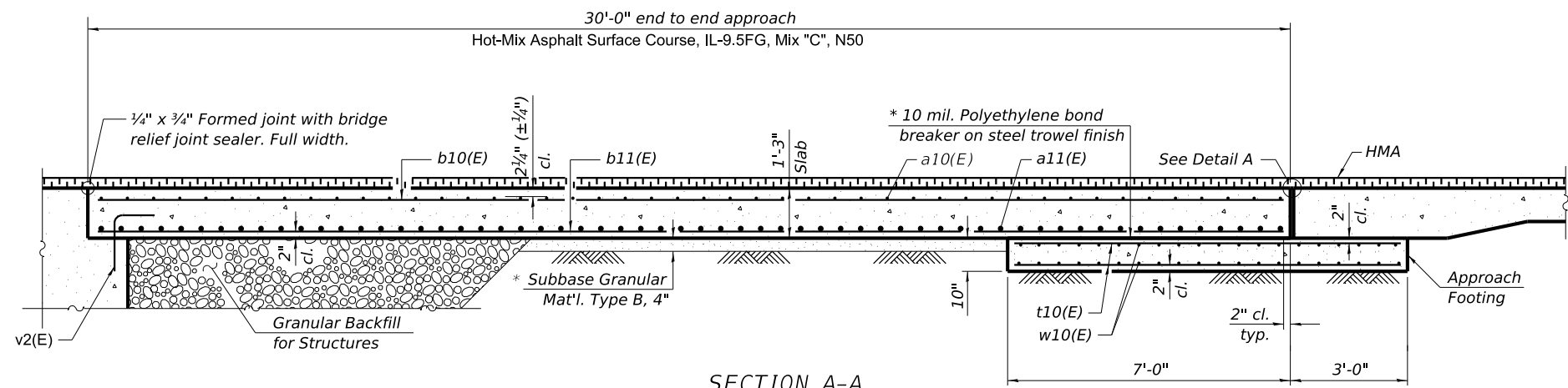
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| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



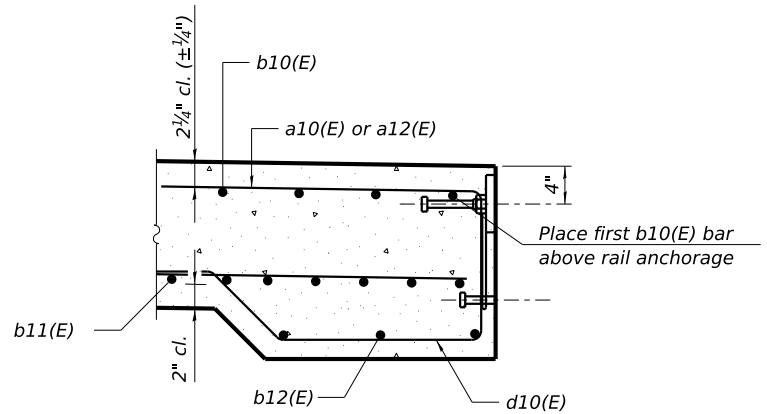
INSIDE ELEVATION OF RAILING
(SW Corner)



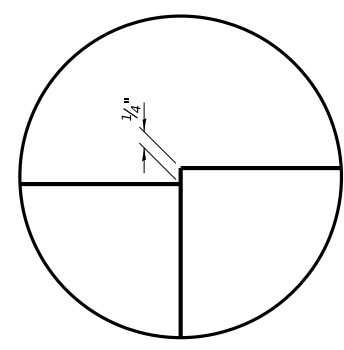
INSIDE ELEVATION OF RAILING
(SE Corner)



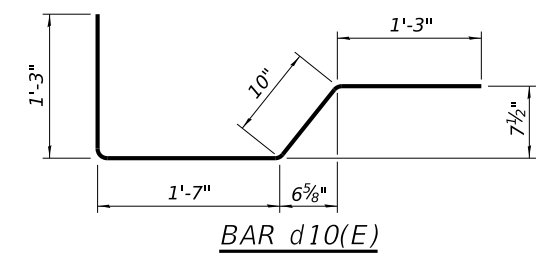
SECTION A-A



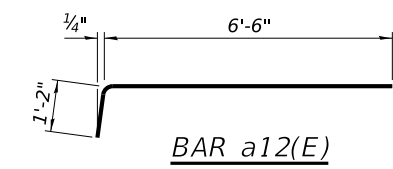
SECTION B-B



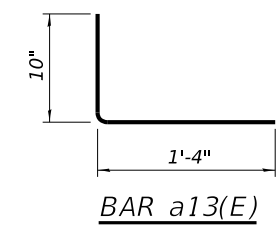
DETAIL A



BAR d10(E)



BAR a12(E)



BAR a13(E)

TWO APPROACHES
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|--|-----|------|-----------|-------|
| a10(E) | 106 | 5 | 34' - 10" | |
| a11(E) | 140 | 8 | 34' - 10" | |
| a12(E) | 54 | 5 | 7' - 8" | |
| a13(E) | 106 | 4 | 2' - 2" | |
| b10(E) | 98 | 5 | 29' - 8" | |
| b11(E) | 148 | 9 | 29' - 8" | |
| b12(E) | 6 | 5 | 13' - 8" | |
| d10(E) | 30 | 5 | 4' - 11" | |
| t10(E) | 128 | 4 | 11' - 2" | |
| w10(E) | 80 | 5 | 34' - 10" | |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50 | | | TON | 18 |
| CONCRETE STRUCTURES | | | CU YD | 21.8 |
| CONCRETE SUPERSTRUCTURE (APPROACH SLAB) | | | CU YD | 86.2 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 39520 |
| FULL LANE SEALANT WATERPROOFING SYSTEM | | | SQ YD | 200 |

NOTES:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see Structural Sheet 3.

For railing details, see Structural Sheet 30 & 31.

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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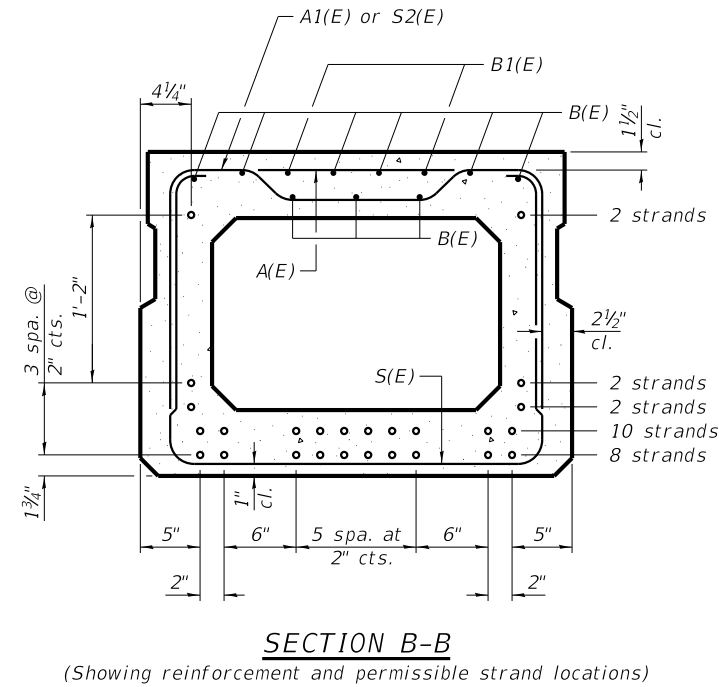
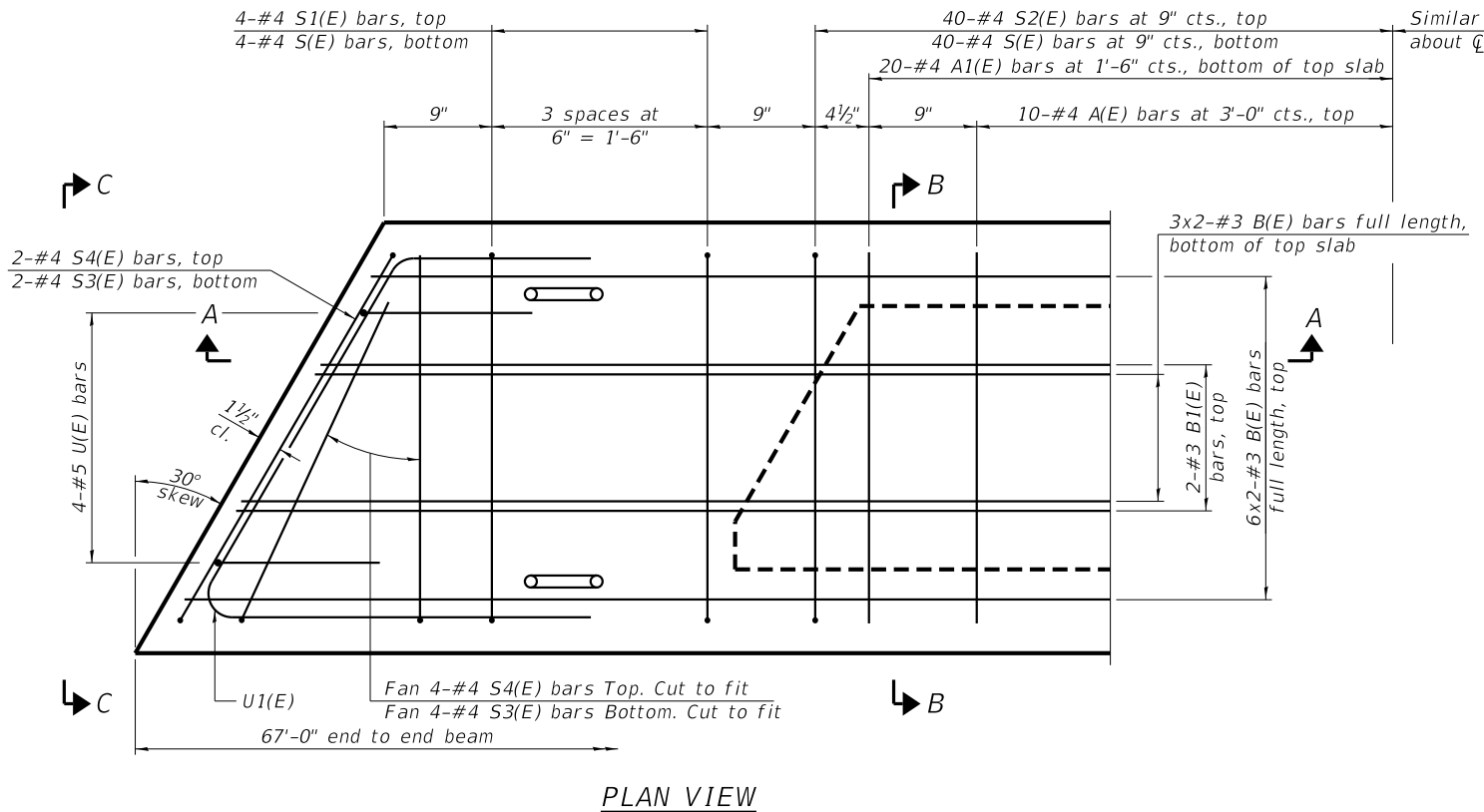
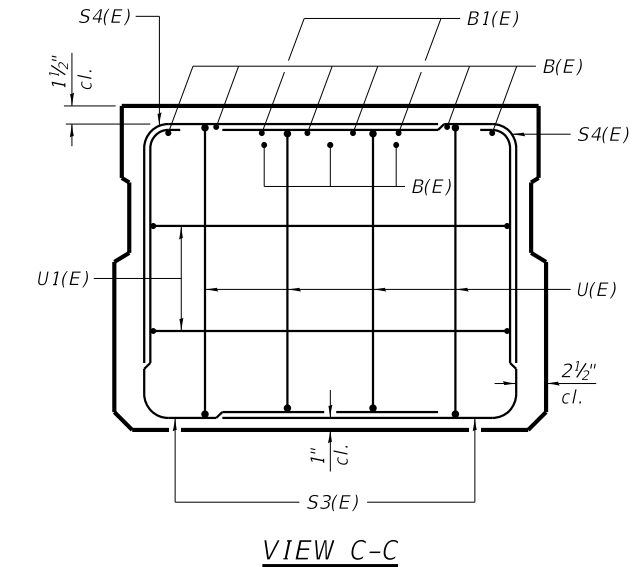
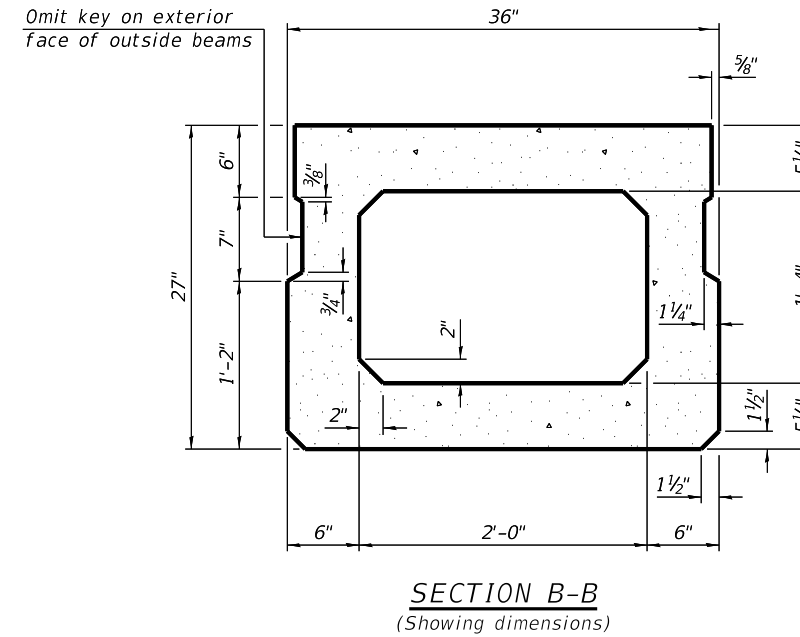
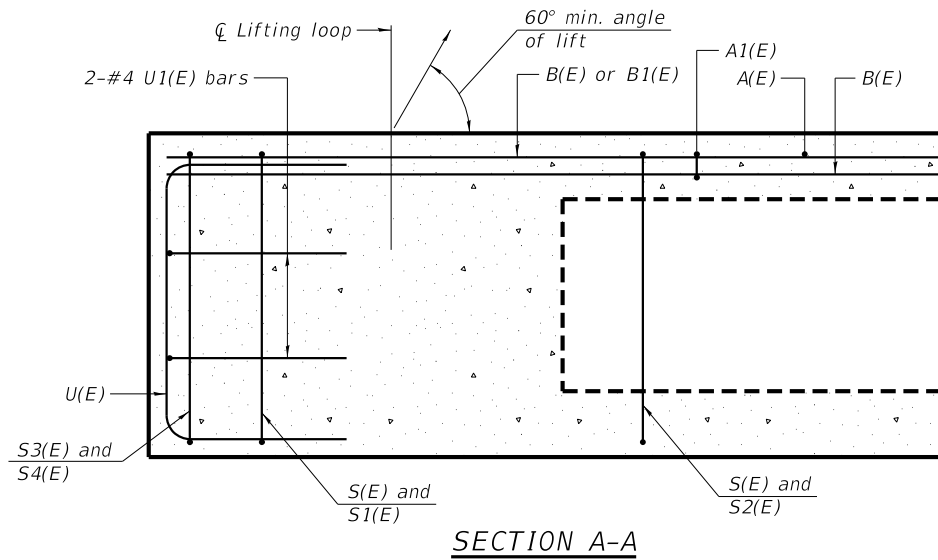
| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLET HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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APPROACH SLAB DETAILS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 11 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 44 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



BAR LIST
ONE BEAM ONLY
(For information only)

| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E) | 20 | #4 | 2'-7" | — |
| A1(E) | 40 | #4 | 2'-10" | ~ |
| B(E) | 18 | #3 | 34'-1" | — |
| B1(E) | 4 | #3 | 10'-0" | — |
| S(E) | 88 | #4 | 7'-5" | ⌋ |
| S1(E) | 8 | #4 | 5'-11" | ⌋ |
| S2(E) | 80 | #4 | 6'-2" | ⌋ |
| S3(E) | 12 | #4 | 5'-4" | ⌋ |
| S4(E) | 12 | #4 | 4'-7" | ⌋ |
| U(E) | 8 | #5 | 4'-6" | ⌋ |
| U1(E) | 4 | #4 | 6'-10" | ⌋ |

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

Note:
See Structural Sheet 6 & 13 for additional details and Bill of Material.

MINIMUM BAR LAP
#3 bar = 1'-4"

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

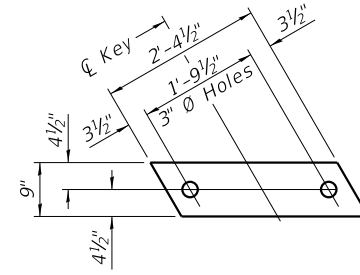
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|----------|------|----|---------|----------|-----|
| | | | | DRAWN | DAL |
| | | | | REVIEWED | MRL |
| | | | | APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

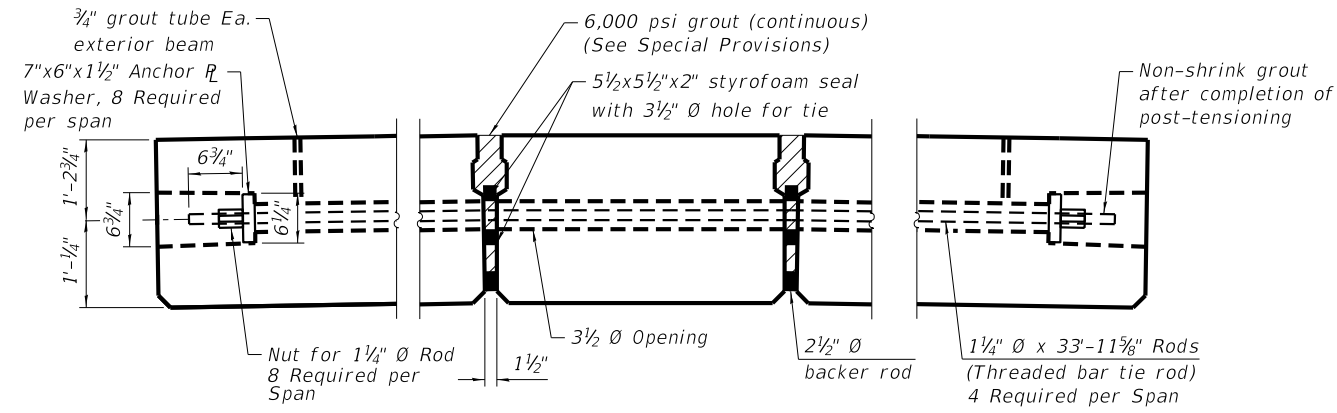
WILLET HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

27" x 36" PPC DECK BEAMS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 12 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 45 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



FABRIC BEARING PAD
(Interior)
FIXED

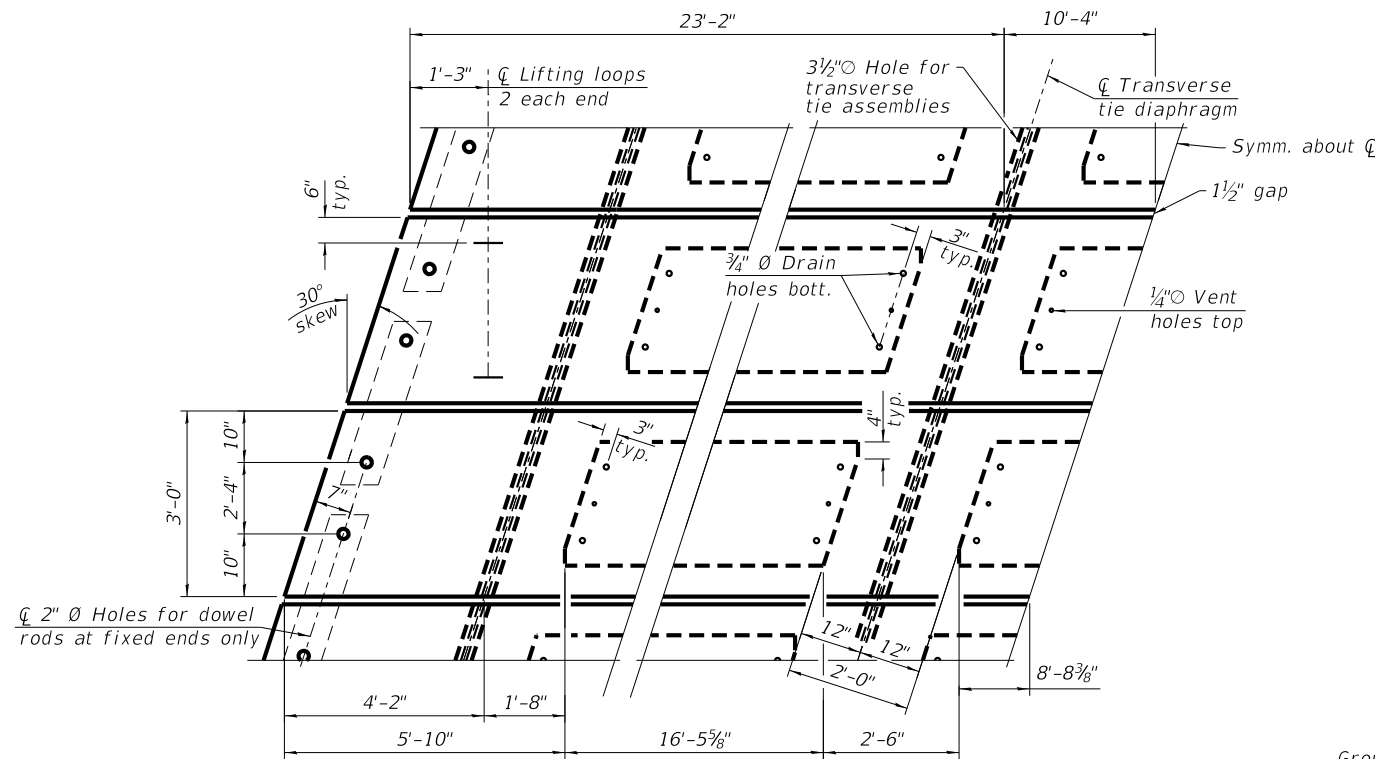


TYPICAL POST-TENSIONED TRANSVERSE TIE ROD DETAIL

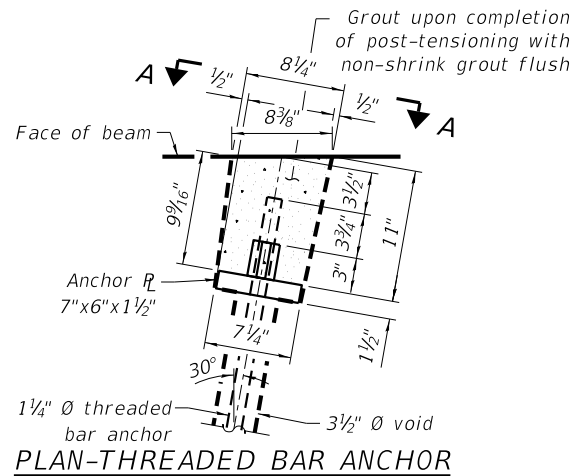
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pads shall be bonded to the substructure.

NOTES

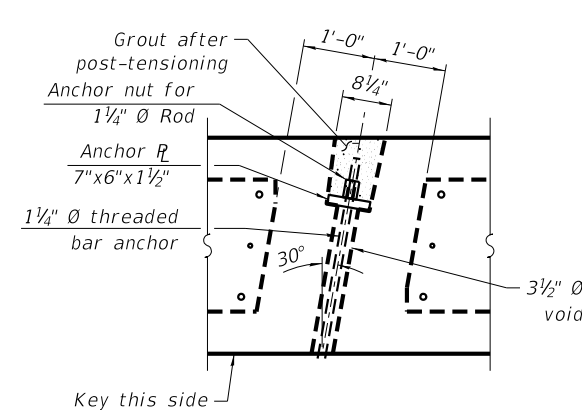
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of beams. Cleaning shall be done by sandblasting the keyway areas between top of the beams and the bottom edge of the keys.
Threaded bar post-tensioning rod to be 1 1/4" diameter, ultimate stress 150 ksi (Ultimate Strength 187.5 k). Conforming to ASTM A722 Steel hot rolled and proof stressed. The bar deformations shall conform to the requirements of ASTM A615.
Voids around thread bar to be grouted after post-tensioning is complete. See Special Provisions for grout and grouting pressures.
All threaded bars shall be initially stressed to not more than 37.5 k (0.2 Fpu, temporary) and the nut tightened. After all bars have been stressed to 37.5 k, the jacking may commence for 112.5 k (0.6 Fpu) maximum transfer load (lockoff).
Contact Grundy Co. prior to fabrication so that an IDOT inspection may be scheduled for PPC Deck Beam fabrication.



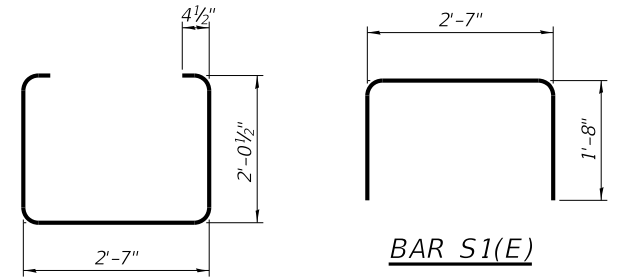
PLAN VIEW



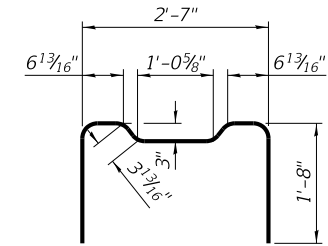
PLAN-THREADED BAR ANCHOR



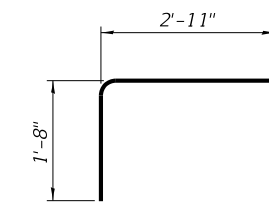
PLAN AT POST-TENSIONED TRAVERSE TIE ROD



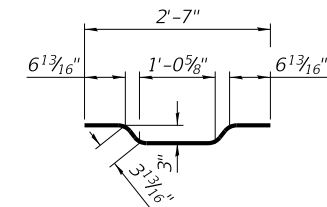
BAR S(E)



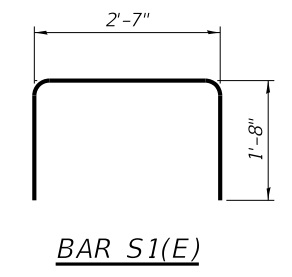
BAR S2(E)



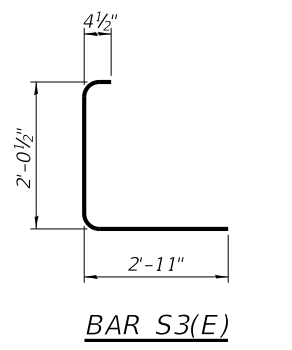
BAR S4(E)



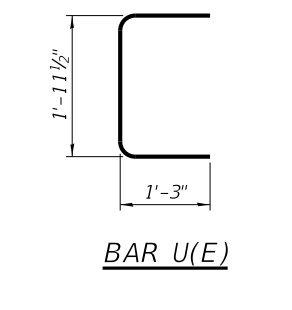
BAR A1(E)



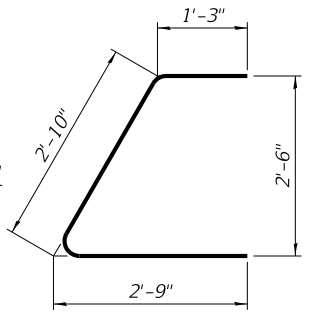
BAR S1(E)



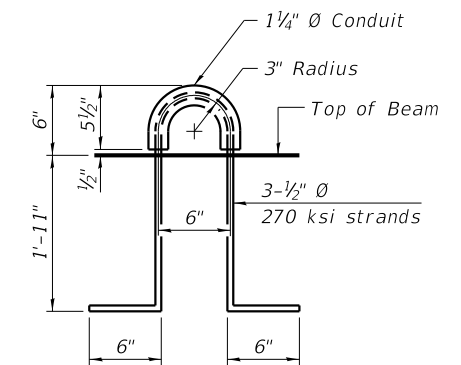
BAR S3(E)



BAR U(E)



BAR U1(E)



LIFTING LOOP DETAIL

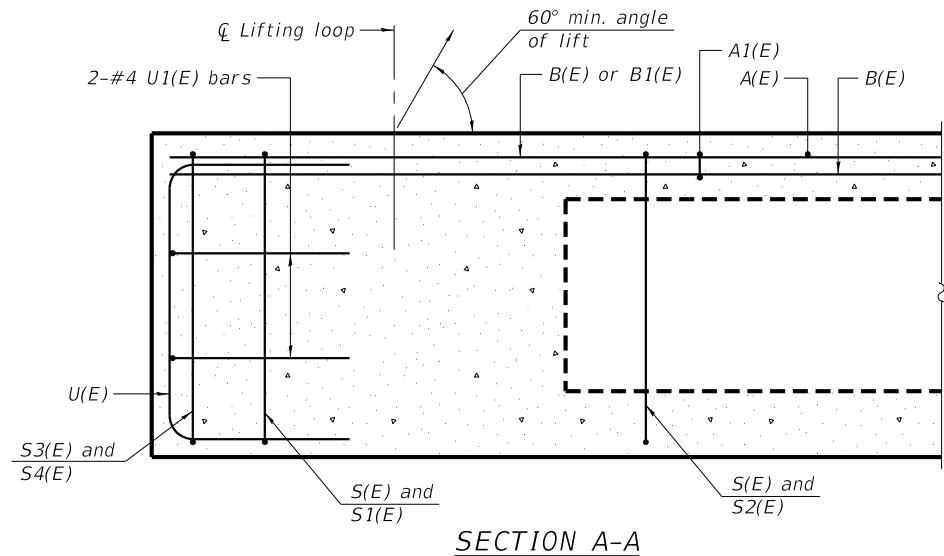
| REVISION | DATE | BY | REMARKS | DESIGNED | ATK |
|----------|------|----|---------|----------|-----|
| | | | | DRAWN | DAL |
| | | | | REVIEWED | MRL |
| | | | | APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

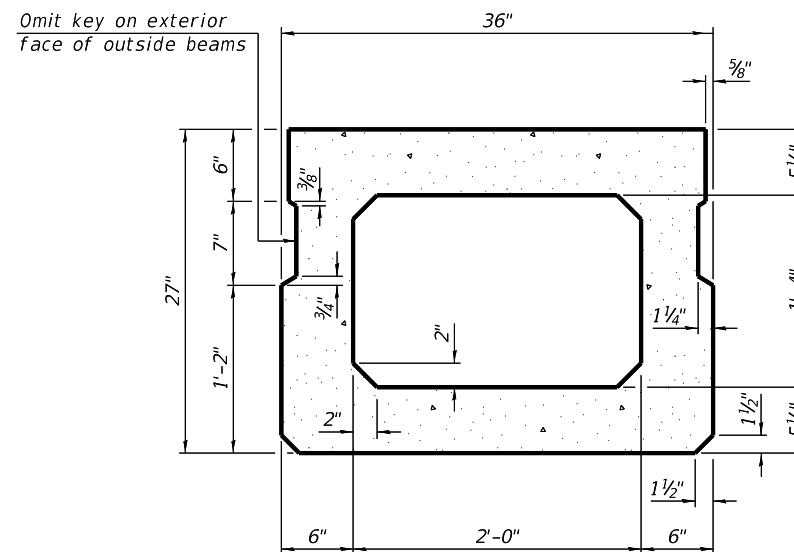


27" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 13 OF 46 SHEETS

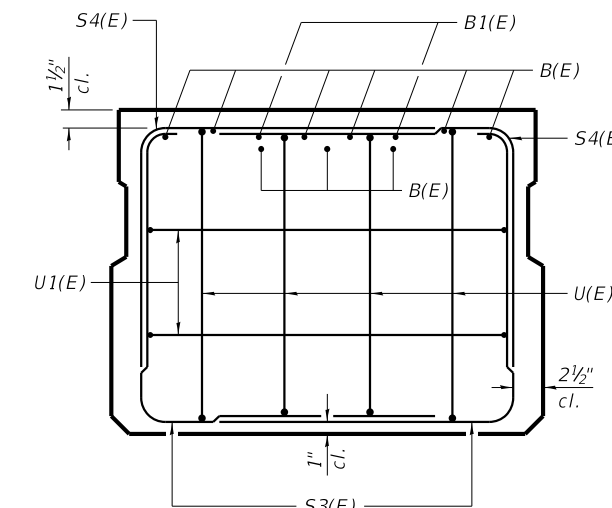
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 46 |
| CONTRACT# 87893 | | WHA# 1464024 | | |
| ILLINOIS | | | | |



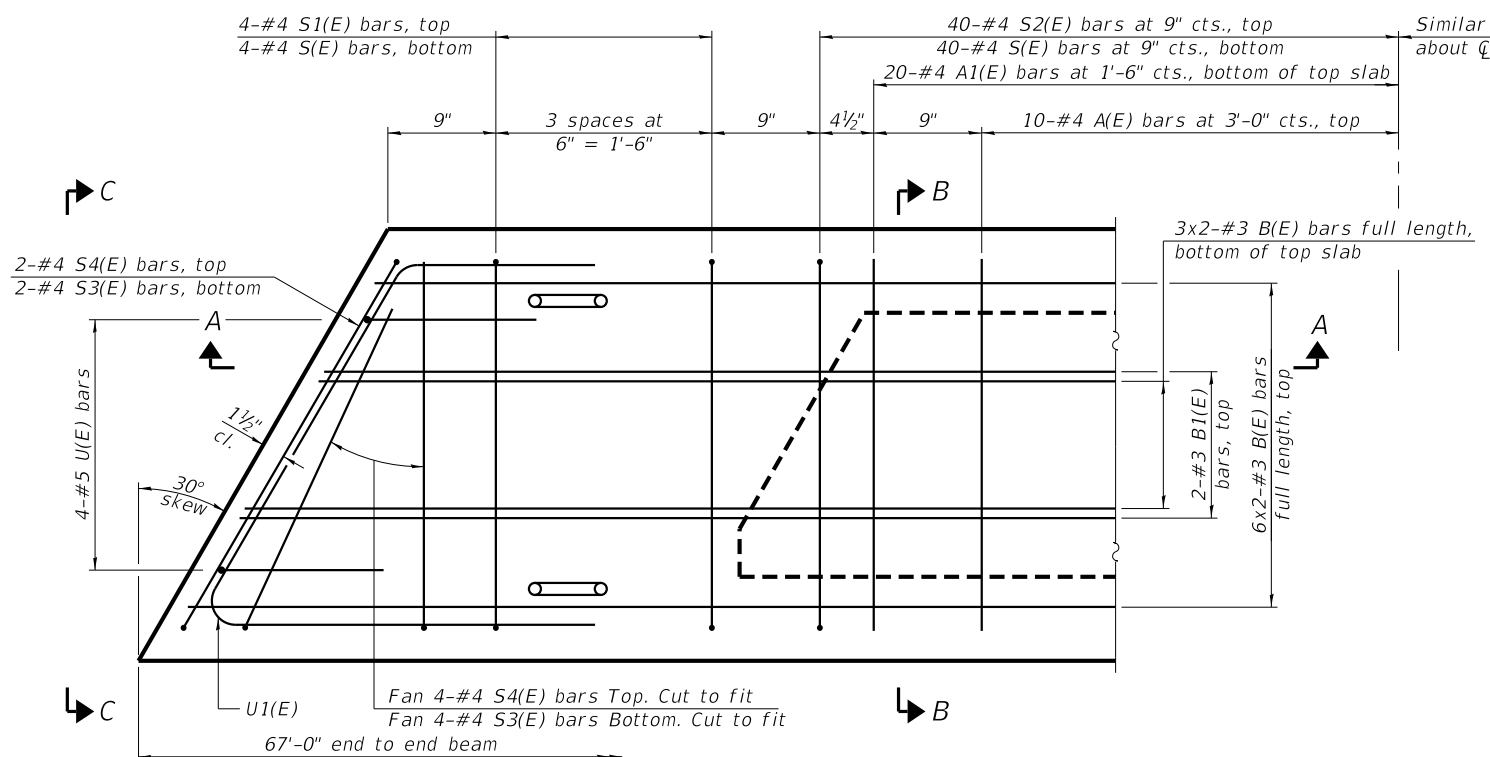
SECTION A-A



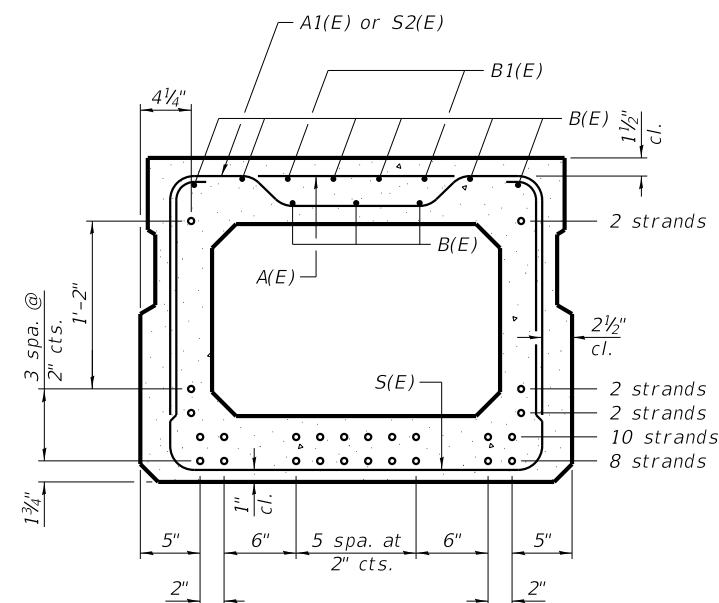
SECTION B-B (Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B (Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E) | 20 | #4 | 2'-7" | — |
| A1(E) | 40 | #4 | 2'-10" | ~ |
| B(E) | 18 | #3 | 34'-1" | — |
| B1(E) | 4 | #3 | 10'-0" | — |
| S(E) | 88 | #4 | 7'-5" | U |
| S1(E) | 8 | #4 | 5'-11" | U |
| S2(E) | 80 | #4 | 6'-2" | U |
| S3(E) | 12 | #4 | 5'-4" | U |
| S4(E) | 12 | #4 | 4'-7" | U |
| U(E) | 8 | #5 | 4'-6" | C |
| U1(E) | 4 | #4 | 6'-10" | C |

Note: See Structural Sheet 7 & 15 for additional details and Bill of Material. See Structural Sheet 7 & 32-34 for bar d(E) and Bicycle Railing information and relevant locations.

MINIMUM BAR LAP
#3 bar = 1'-4"

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
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| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

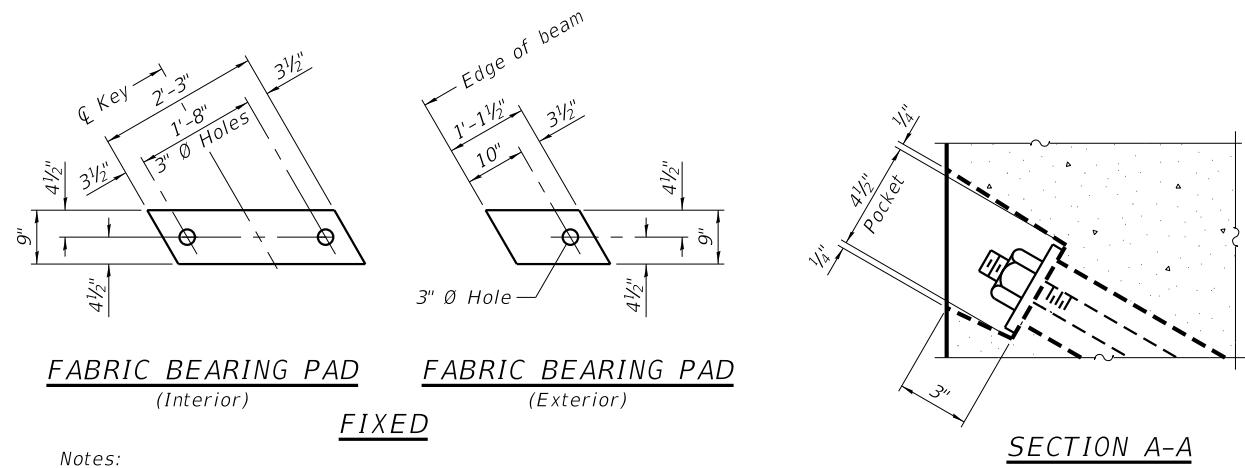


WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

27" x 36" PPC DECK BEAMS PEDESTRIAN BRIDGE
STRUCTURE NO. 032-3336

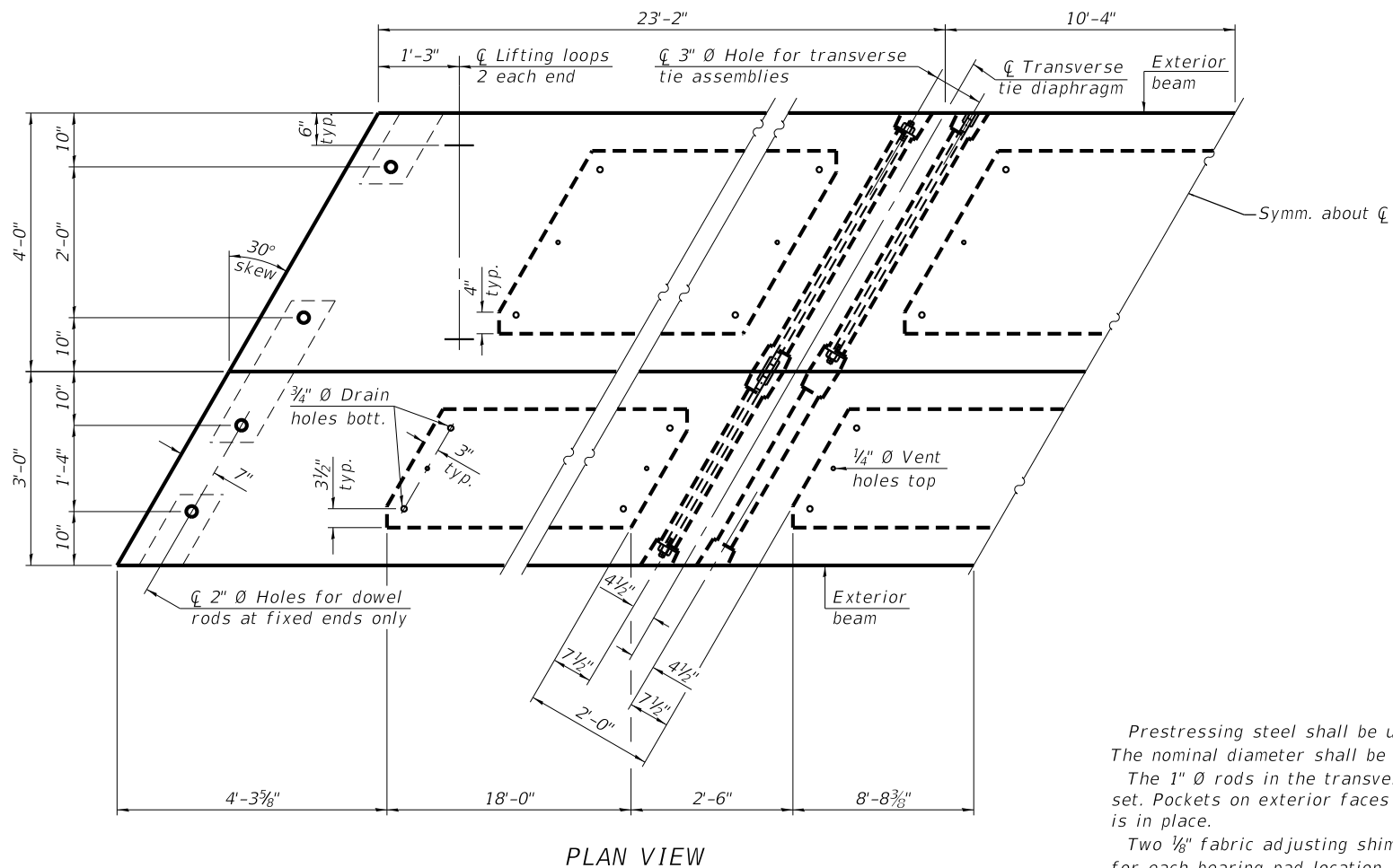
STRUCTURAL SHEET 14 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 47 |
| CONTRACT# 87893 | | WHA* 1464024 | | |

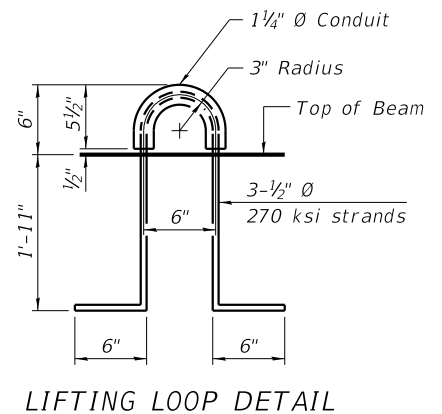


Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pads shall be bonded to the substructure.

TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW

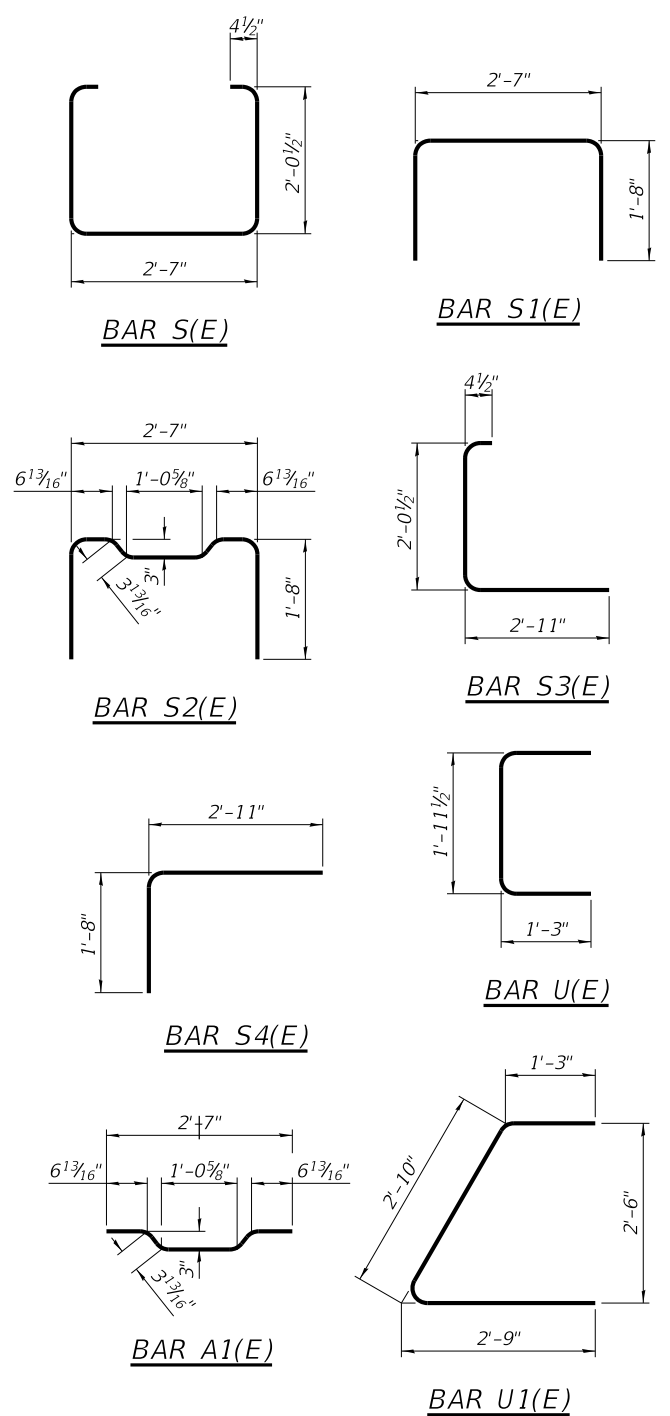


LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'_c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'_{ci}, shall be 5000 psi.

Note:
 Connect beams in pairs with the transverse tie configuration shown.



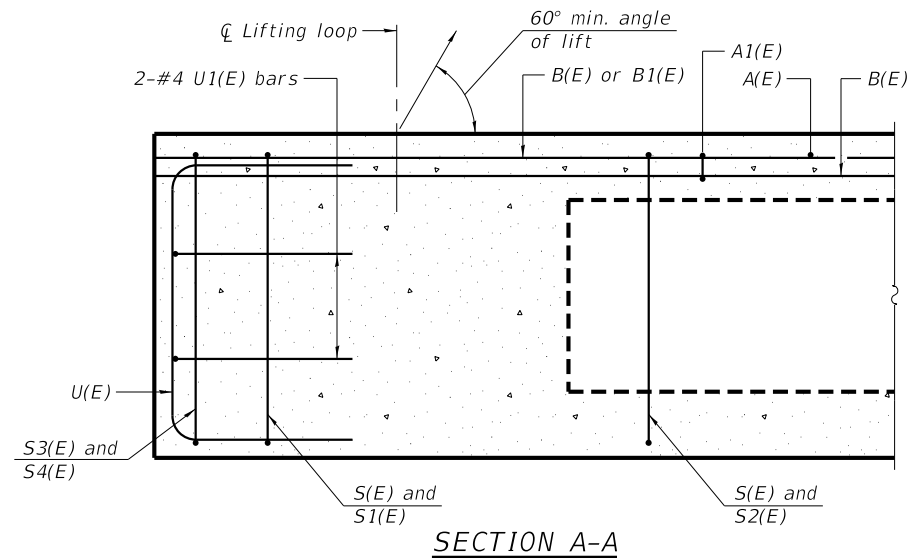
| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | ATK | | |
| DRAWN | DAL | | |
| REVIEWED | MRL | | |
| APPROVED | ATK | | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

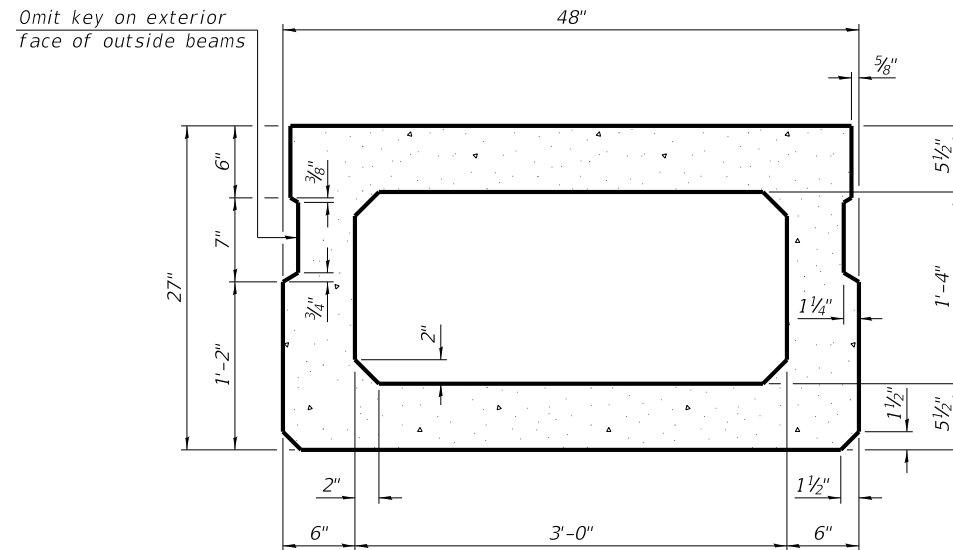


27" x 36" PPC DECK BEAM DETAILS PEDESTRIAN BRIDGE
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 15 OF 46 SHEETS

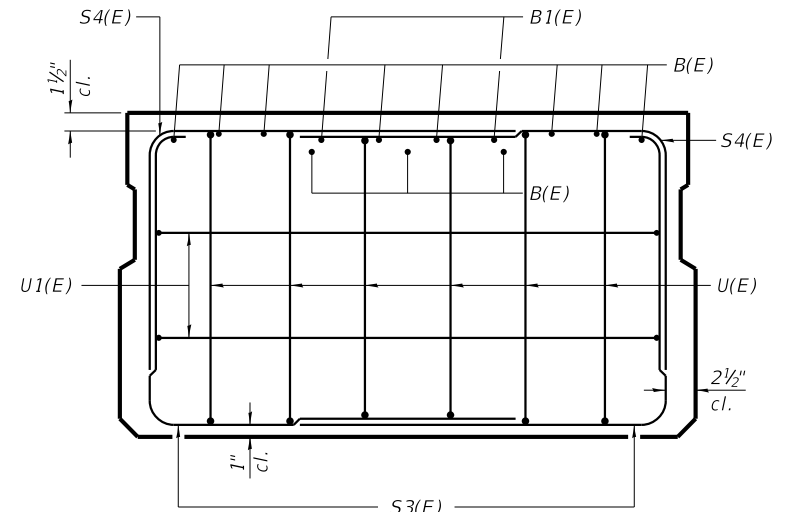
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 48 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



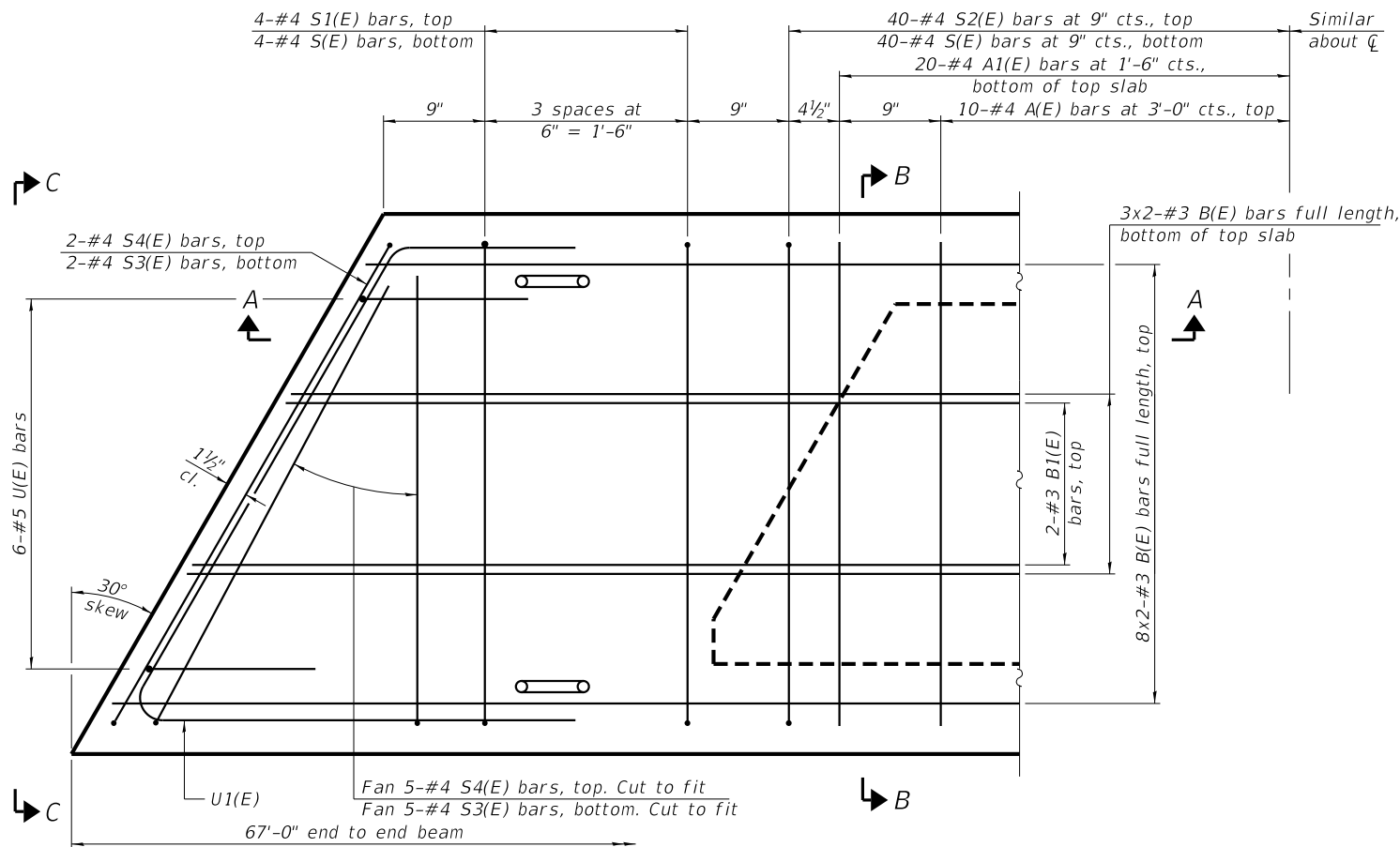
SECTION A-A



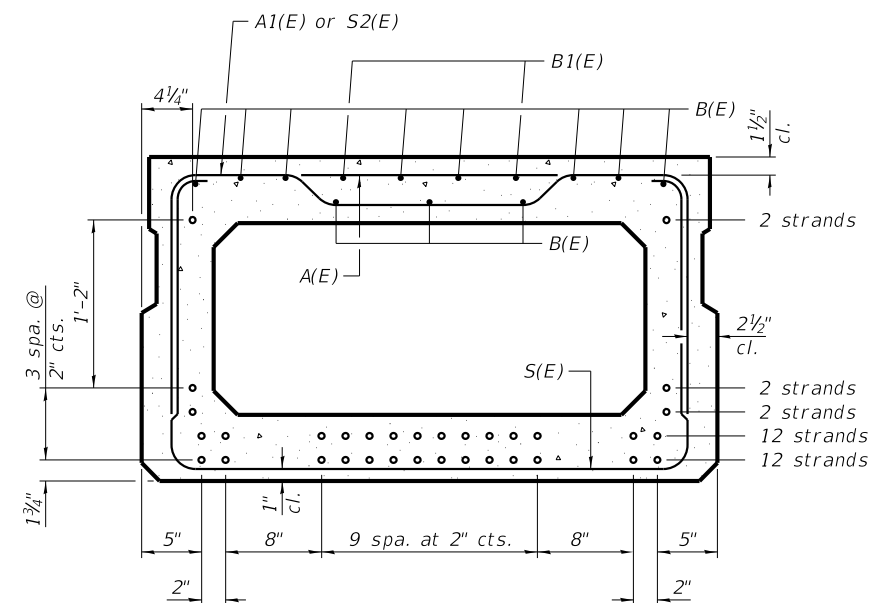
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E) | 20 | #4 | 3'-7" | — |
| A1(E) | 40 | #4 | 3'-10" | — |
| B(E) | 22 | #3 | 34'-1" | — |
| B1(E) | 4 | #3 | 10'-0" | — |
| S(E) | 88 | #4 | 8'-5" | U |
| S1(E) | 8 | #4 | 6'-11" | U |
| S2(E) | 80 | #4 | 7'-2" | U |
| S3(E) | 14 | #4 | 6'-5" | U |
| S4(E) | 14 | #4 | 5'-9" | U |
| U(E) | 12 | #5 | 4'-6" | C |
| U1(E) | 4 | #4 | 8'-7" | C |

Note:
See Structura Sheet 7 & 17 for additional details and Bill of Material.

MINIMUM BAR LAP
#3 bar = 1'-4"

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
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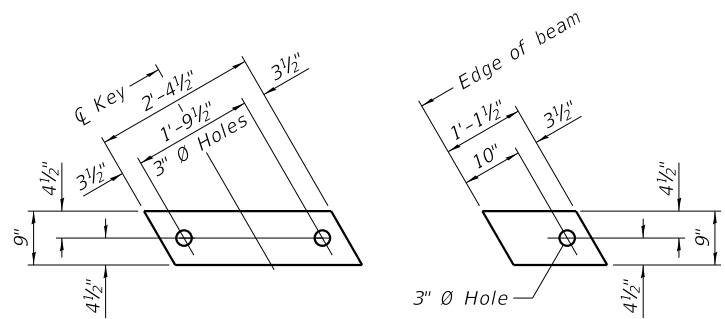
| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



27" x 48" PPC DECK BEAMS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 16 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 49 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

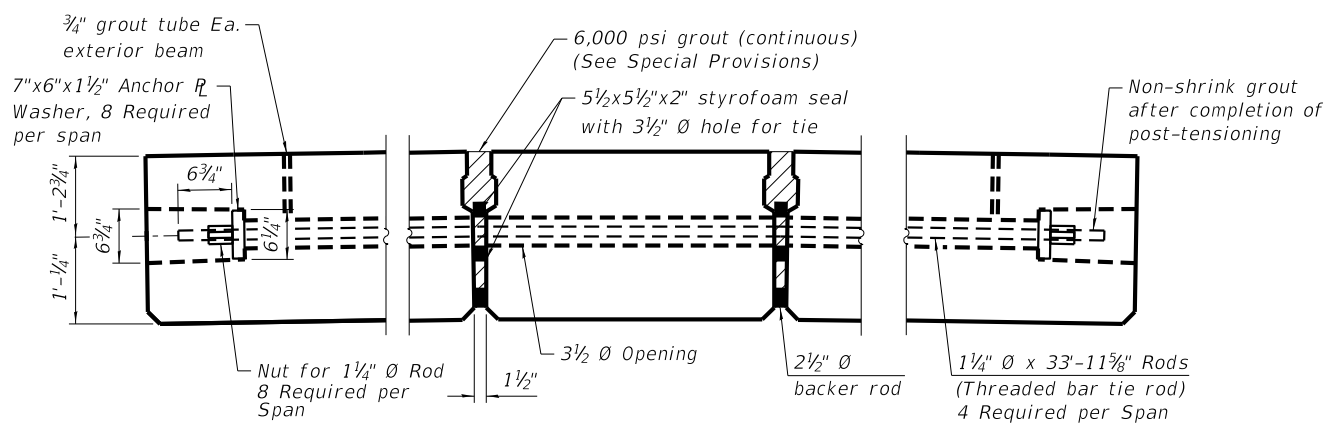


FABRIC BEARING PAD (Interior)

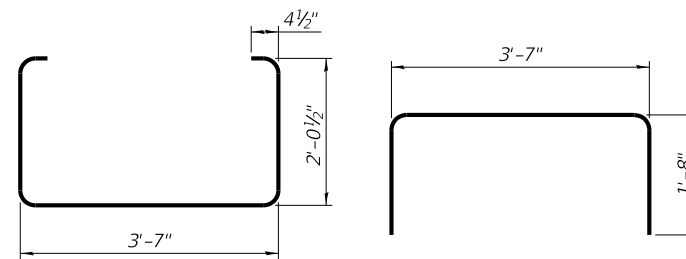
FABRIC BEARING PAD (Exterior)

FIXED

Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pads shall be bonded to the substructure.

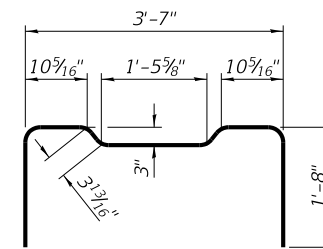


TYPICAL POST-TENSIONED TRANSVERSE TIE ROD DETAIL

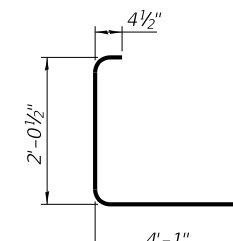


BAR S(E)

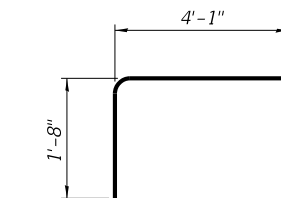
BAR S1(E)



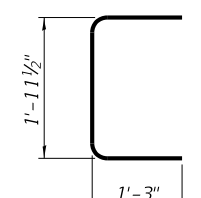
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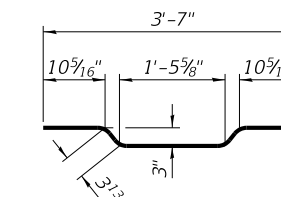
BAR S3(E)



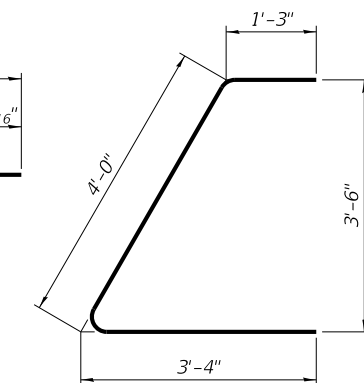
BAR S4(E)



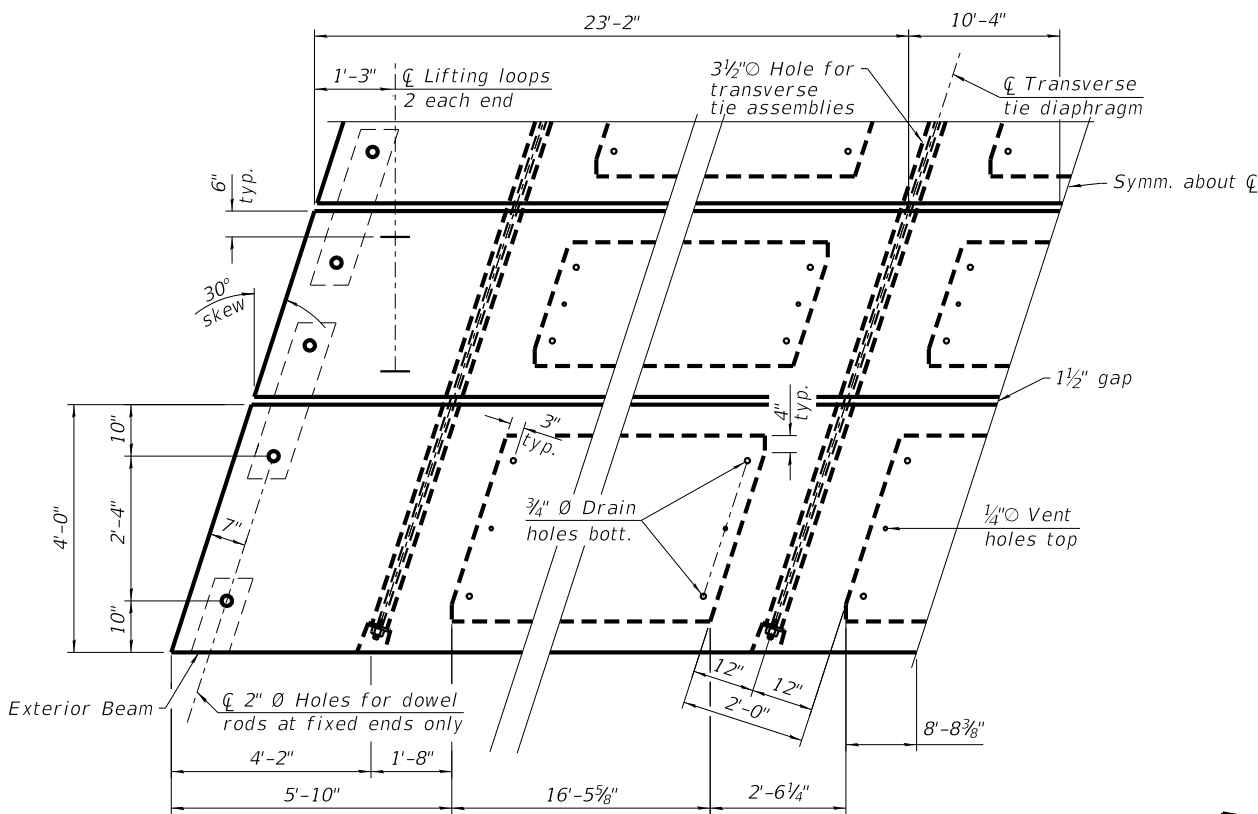
BAR U(E)



BAR A1(E)



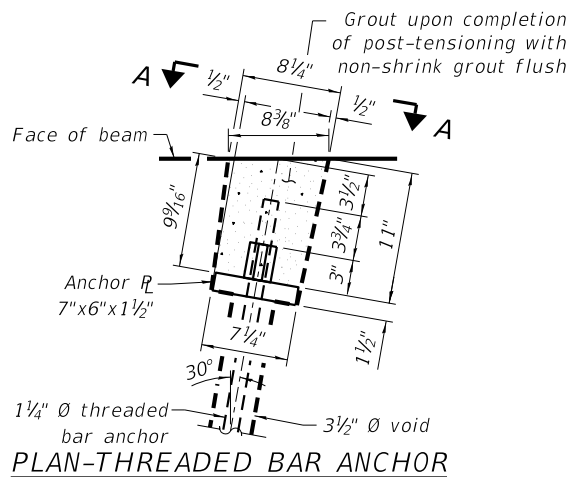
BAR U1(E)



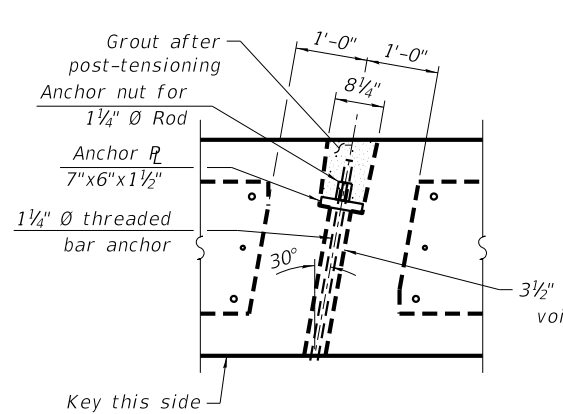
PLAN VIEW

NOTES

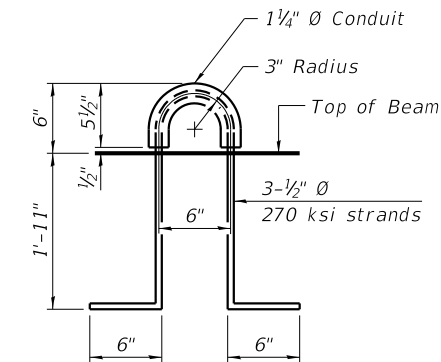
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
 The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
 Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
 A minimum 2 1/2" Ø lifting pin shall be used to engage the lifting loops during handling.
 Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
 Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
 Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
 Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of beams. Cleaning shall be done by sandblasting the keyway areas between top of the beams and the bottom edge of the keys.
 Threaded bar post-tensioning rod to be 1 1/4" Ø, ultimate stress 150 ksi (Ultimate Strength 187.5 k). Conforming to ASTM A722 Steel hot rolled and proof stressed. The bar deformations shall conform to the requirements of ASTM A615.
 Voids around thread bar to be grouted after post-tensioning is complete. See Special Provisions for grout and grouting pressures.
 All threaded bars shall be initially stressed to not more than 37.5 k (0.2 Fpu, temporary) and the nut tightened. After all bars have been stressed to 37.5 k, the jacking may commence for 112.5 k (0.6 Fpu) maximum transfer load (lockoff).
 Contact Grundy Co. prior to fabrication so that an IDOT inspection may be scheduled for PPC Deck Beam fabrication.



PLAN-THREADED BAR ANCHOR



PLAN AT POST-TENSIONED TRAVERSE TIE ROD



LIFTING LOOP DETAIL

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
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| | | | |

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|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

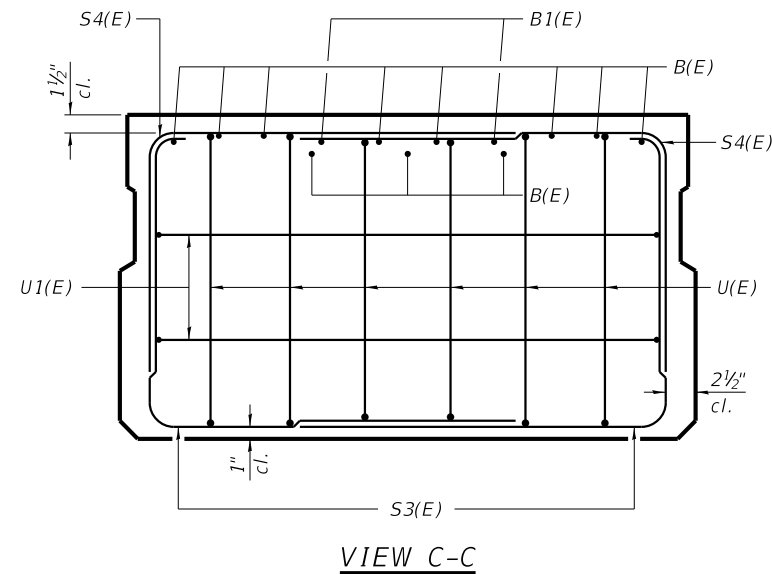
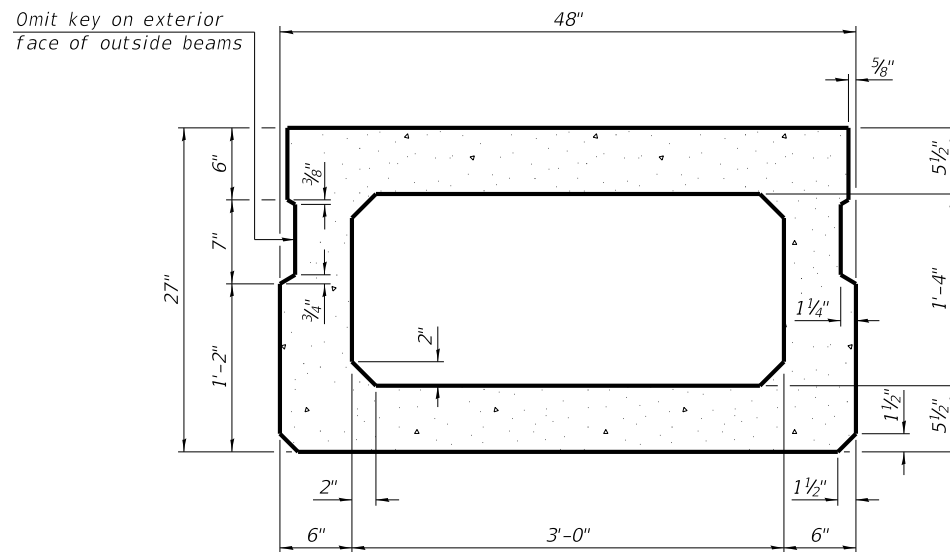
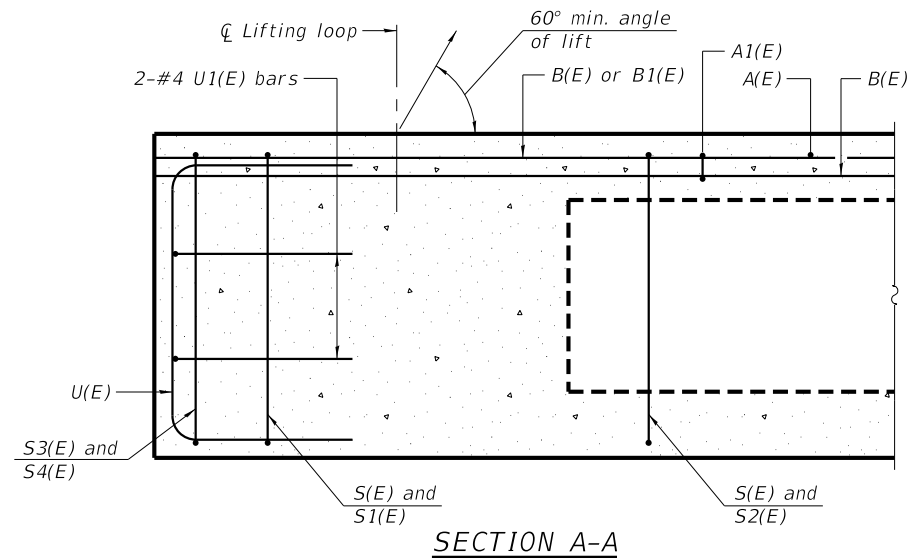
GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

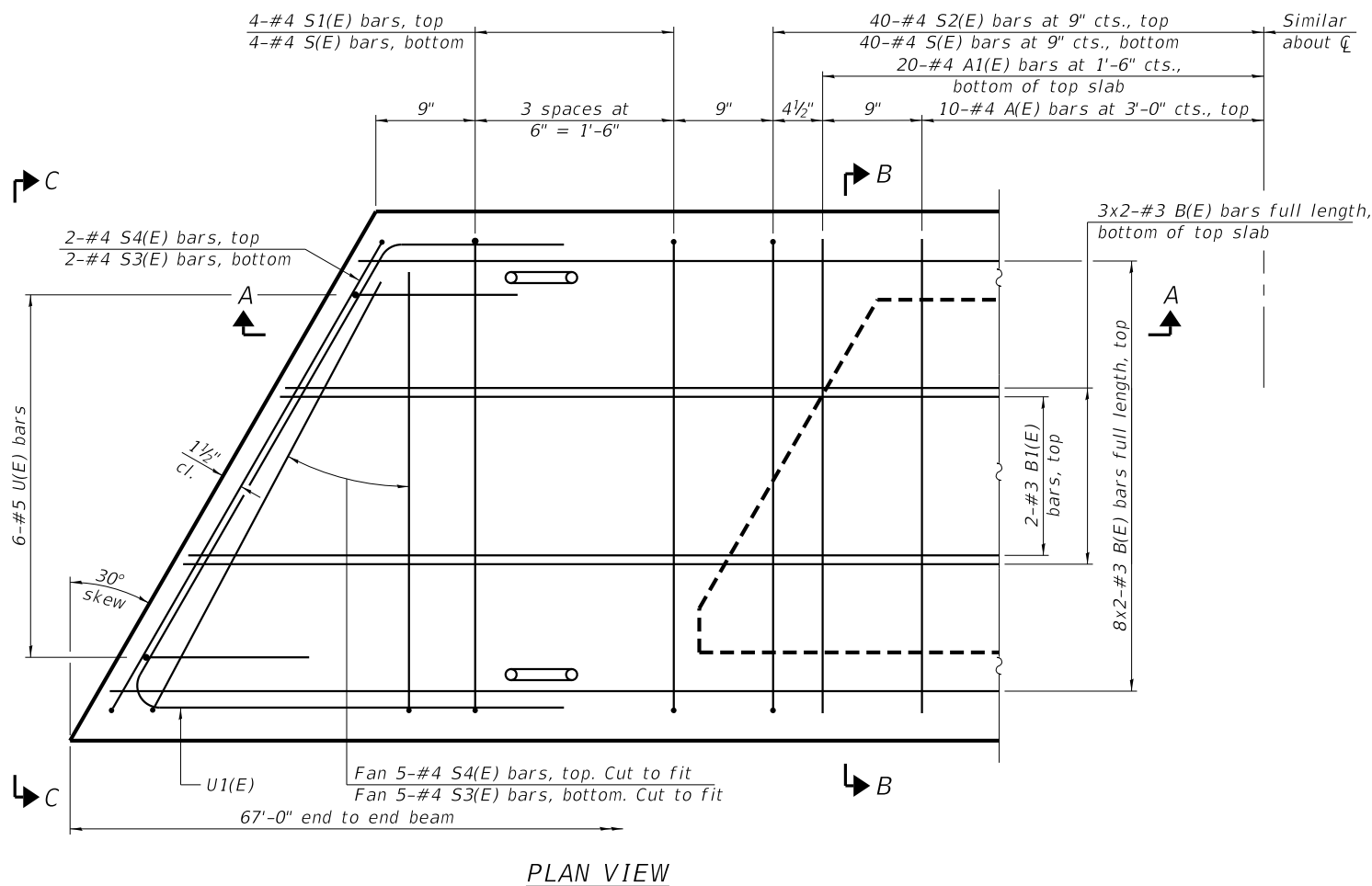
27" x 48" PPC DECK BEAM DETAILS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 17 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 50 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



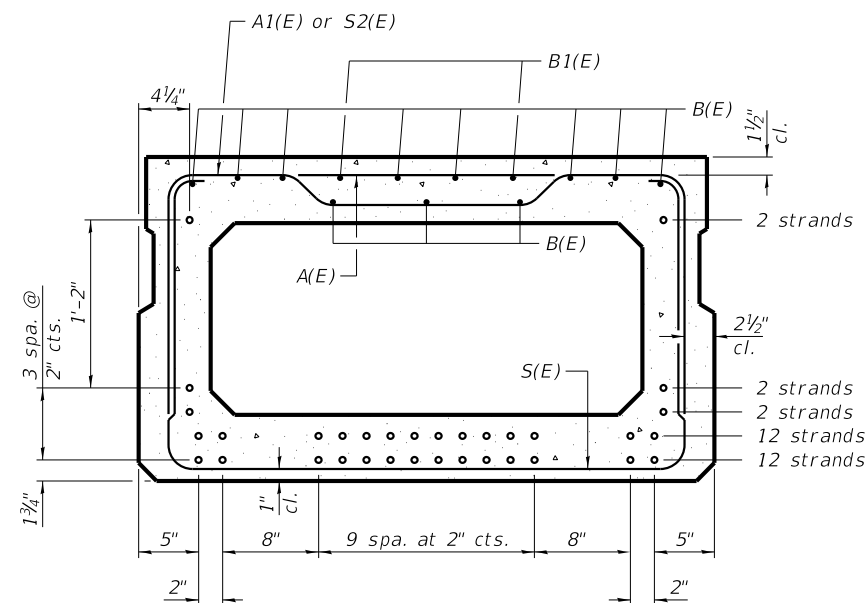
SECTION B-B (Showing dimensions)

VIEW C-C



PLAN VIEW

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B (Showing reinforcement and permissible strand locations)

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| A(E) | 20 | #4 | 3'-7" | — |
| A1(E) | 40 | #4 | 3'-10" | — |
| B(E) | 22 | #3 | 34'-1" | — |
| B1(E) | 4 | #3 | 10'-0" | — |
| S(E) | 88 | #4 | 8'-5" | U |
| S1(E) | 8 | #4 | 6'-11" | U |
| S2(E) | 80 | #4 | 7'-2" | U |
| S3(E) | 14 | #4 | 6'-5" | U |
| S4(E) | 14 | #4 | 5'-9" | U |
| U(E) | 12 | #5 | 4'-6" | C |
| U1(E) | 4 | #4 | 8'-7" | C |

Note:
See Structural Sheet 7 & 19 for additional details and Bill of Material. See Structural Sheet 7 & 32-34 for bar d(E) and Bicycle Railing information and relevant locations.

MINIMUM BAR LAP
#3 bar = 1'-4"

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | ATK | | |
| DRAWN | DAL | | |
| REVIEWED | MRL | | |
| APPROVED | ATK | | |

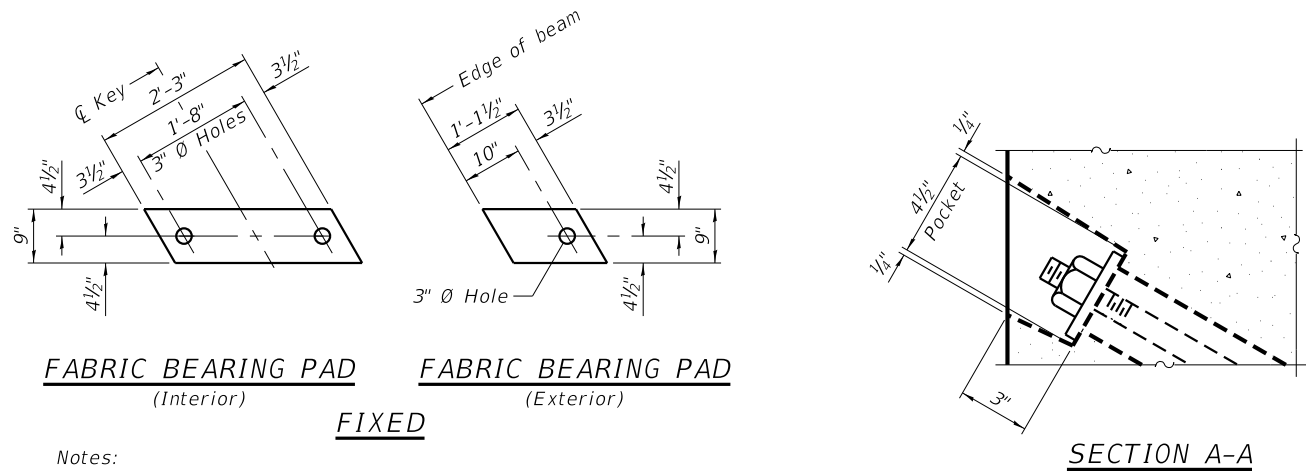
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



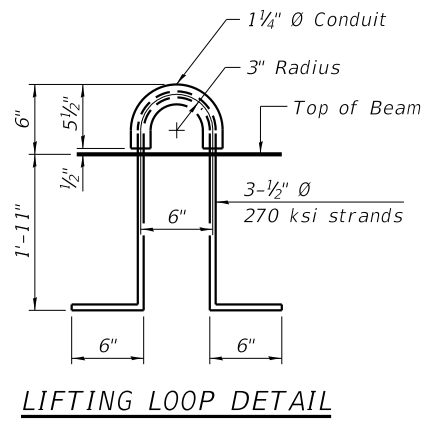
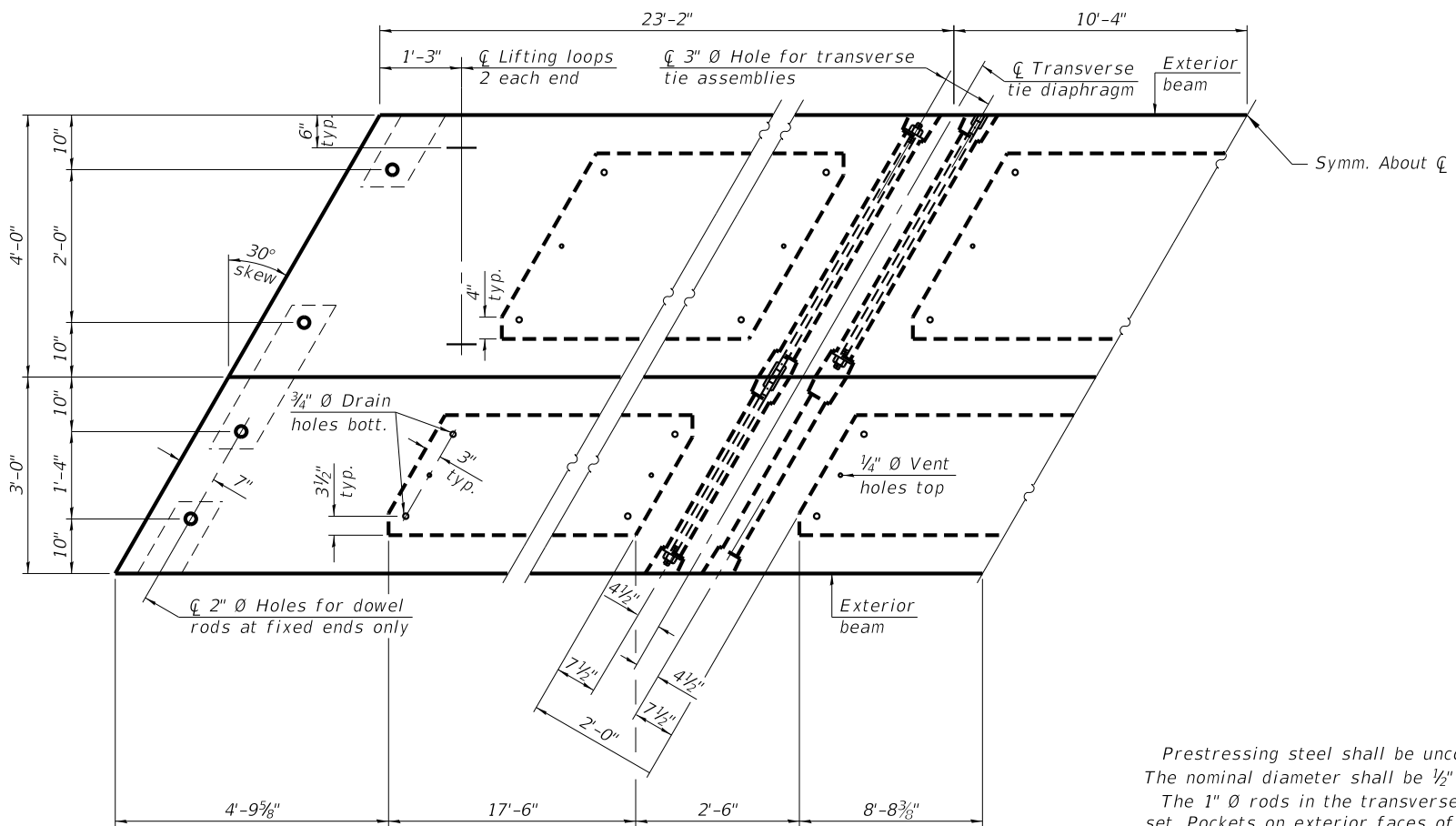
27" X 48" PPC DECK BEAMS PEDESTRIAN BRIDGE
STRUCTURE NO. 032-3336

STRUCTURAL SHEET 18 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 51 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

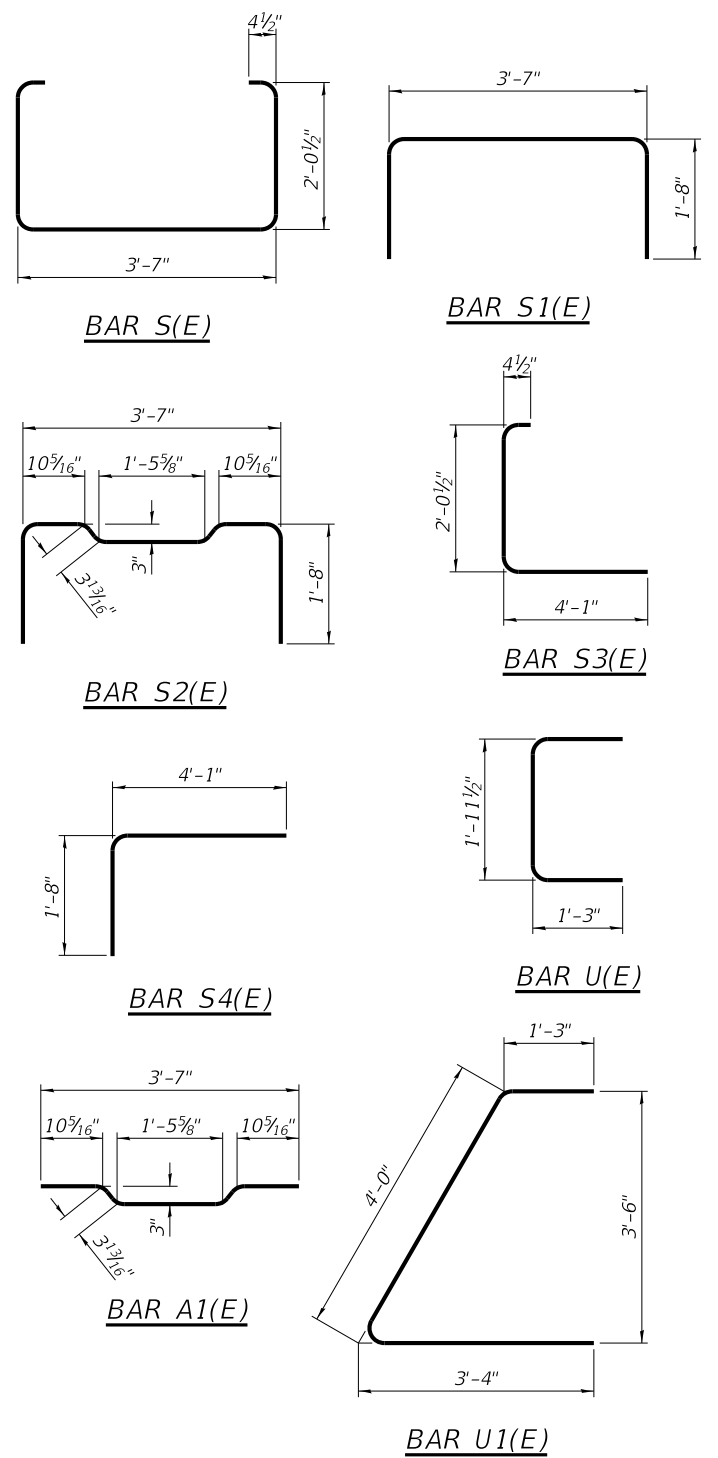


Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pads shall be bonded to the substructure.



NOTES
 Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" Ø lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note:
 Connect beams in pairs with the transverse tie configuration shown.



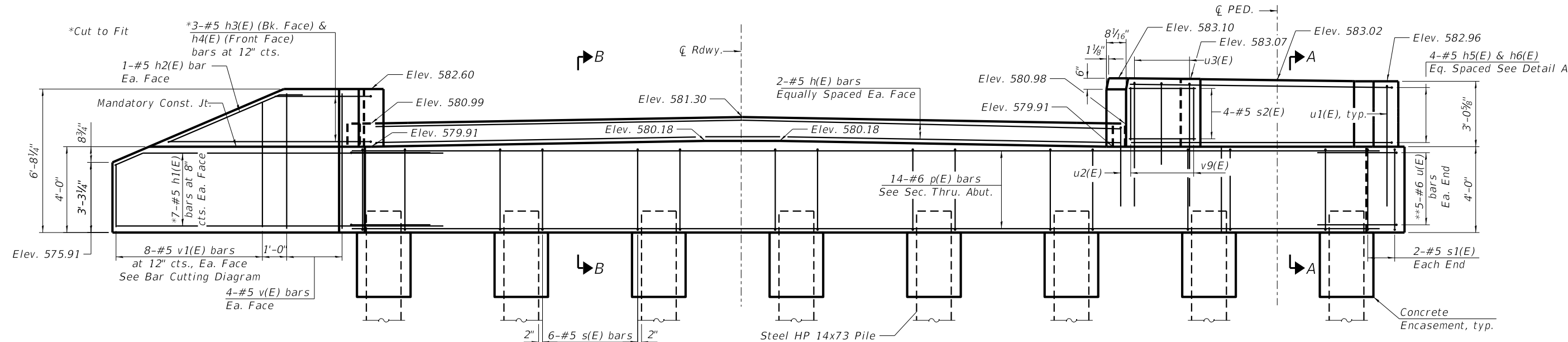
| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | ATK | | |
| DRAWN | DAL | | |
| REVIEWED | MRL | | |
| APPROVED | ATK | | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



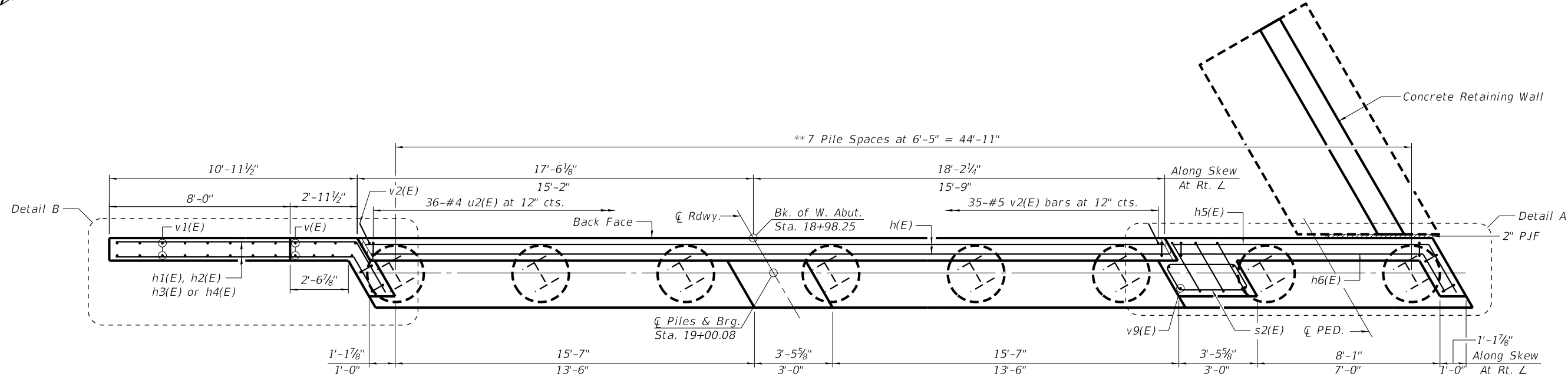
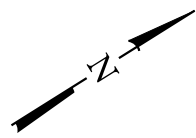
27" x 48" PPC DECK BEAM DETAILS PEDESTRIAN BRIDGE
STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 19 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 52 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



ELEVATION
(Looking West)

**Lap to outer p(E) bars



Plan View

**Piles may be shifted up to 1 foot in either direction along the centerline of the abutment to avoid conflicts with existing piles. Adjust s(E) bars as necessary to maintain 12-inch spacing.

See Structural Sheet 22 for Retaining Wall Details

PILE DATA

Type: Steel HP 14x73 w/Pile Shoes
 Nominal Required Bearing: Drive to Refusal
 Factored Resistance Available: 278 Kips
 Est. Length: 55'
 No. Production Piles: 7
 No. Test Piles: 1

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

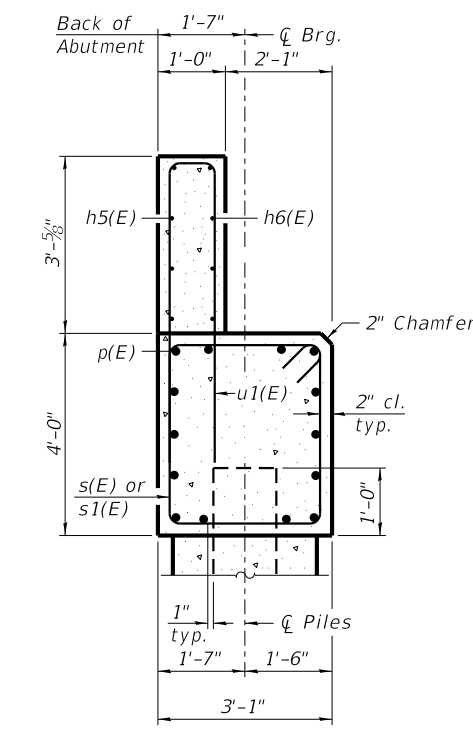
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



WEST ABUTMENT DETAILS
STRUCTURE NO. 032-3336

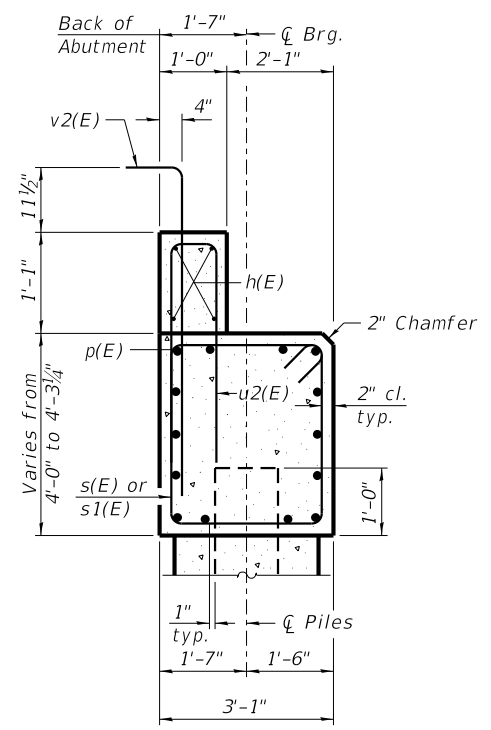
STRUCTURAL SHEET 20 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 53 |
| CONTRACT# 87893 | | WHA# 1464024 | | |
| ILLINOIS | | | | |



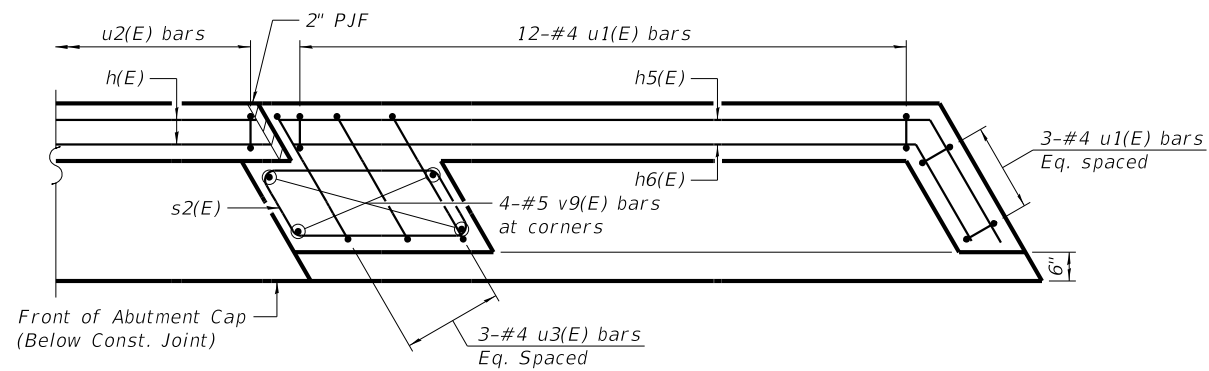
SECTION A-A

(Dimensions are at right angles to abutment)



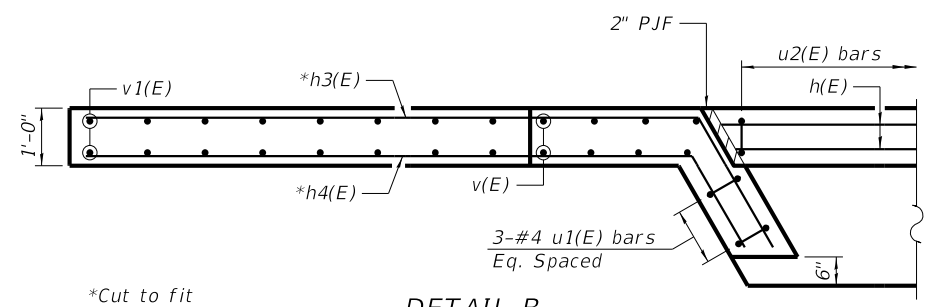
SECTION B-B

(Dimensions are at right angles to abutment)



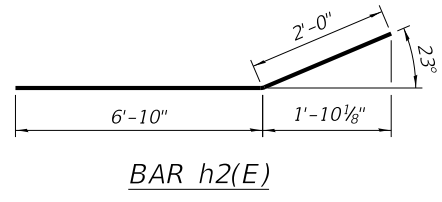
DETAIL A

(Cut Above Const. Joint)

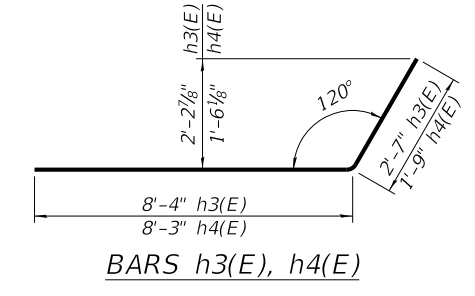


DETAIL B

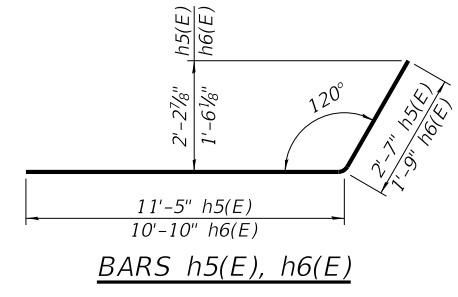
(Cut Above Const. Joint)



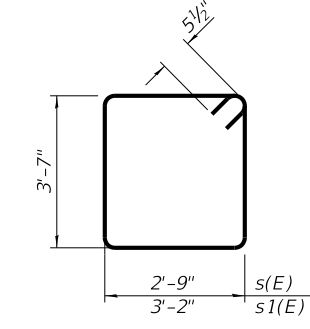
BAR h2(E)



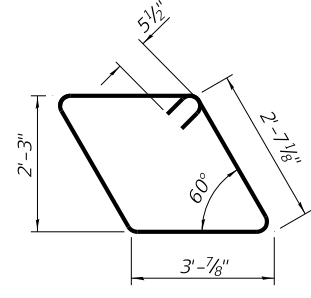
BARS h3(E), h4(E)



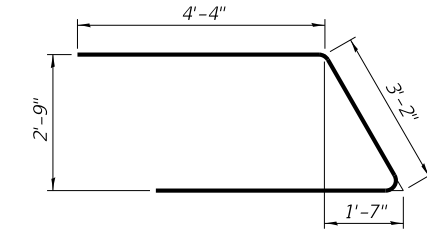
BARS h5(E), h6(E)



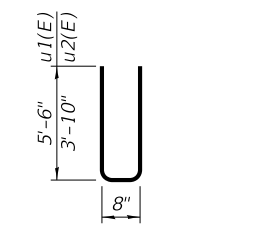
BARS s(E) & s1(E)



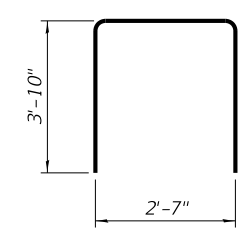
BARS s2(E)



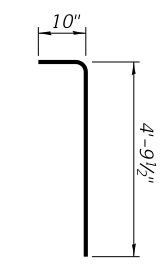
BAR u(E)



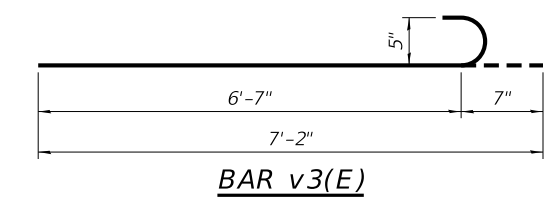
BAR u1(E) & u2(E)



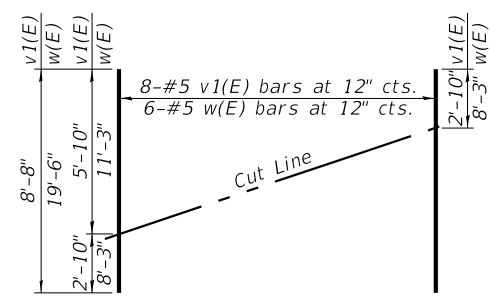
BARS u3(E)



BAR v2(E)



BAR v3(E)



FIELD CUTTING DIAGRAM

Order v1(E) & w(E) bars full length. Cut as shown and use remainder of bars in opposite face.

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|-----------|-------|
| h(E) | 4 | 5 | 34' - 11" | — |
| h1(E) | 14 | 5 | 12' - 9" | — |
| h2(E) | 2 | 5 | 8' - 10" | — |
| h3(E) | 3 | 5 | 10' - 11" | — |
| h4(E) | 3 | 5 | 10' - 0" | — |
| h5(E) | 4 | 5 | 14' - 0" | — |
| h6(E) | 4 | 5 | 12' - 7" | — |
| h7(E) | 14 | 5 | 10' - 1" | — |
| p(E) | 14 | 6 | 48' - 1" | — |
| s(E) | 42 | 5 | 13' - 7" | □ |
| s1(E) | 4 | 5 | 14' - 5" | □ |
| s2(E) | 4 | 5 | 12' - 3" | □ |
| t(E) | 32 | 5 | 5' - 3" | — |
| u(E) | 10 | 6 | 11' - 10" | ┌ |
| u1(E) | 18 | 4 | 11' - 8" | ┌ |
| u2(E) | 36 | 4 | 8' - 4" | ┌ |
| u3(E) | 3 | 4 | 10' - 3" | ┌ |
| v(E) | 8 | 5 | 6' - 3" | — |
| v1(E) | 8 | 5 | 8' - 8" | — |
| v2(E) | 35 | 5 | 5' - 8" | └ |
| v3(E) | 24 | 5 | 7' - 2" | └ |
| v9(E) | 4 | 5 | 3' - 0" | — |
| w(E) | 6 | 5 | 19' - 6" | — |
| STRUCTURE EXCAVATION | | | CU YD | 64 |
| CONCRETE ENCASEMENT | | | CU YD | 4.4 |
| CONCRETE STRUCTURES | | | CU YD | 33.4 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 3760 |
| FURNISHING STEEL PILES HP14X73 | | | FOOT | 385 |
| DRIVING PILES | | | FOOT | 385 |
| TEST PILE STEEL HP14X73 | | | EACH | 1 |
| PILE SHOES | | | EACH | 14 |

Notes:
For details of piles and Concrete Encasement, see Structural Sheet 29.
Cast backwall and tops of wingwalls after beams have been erected.

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

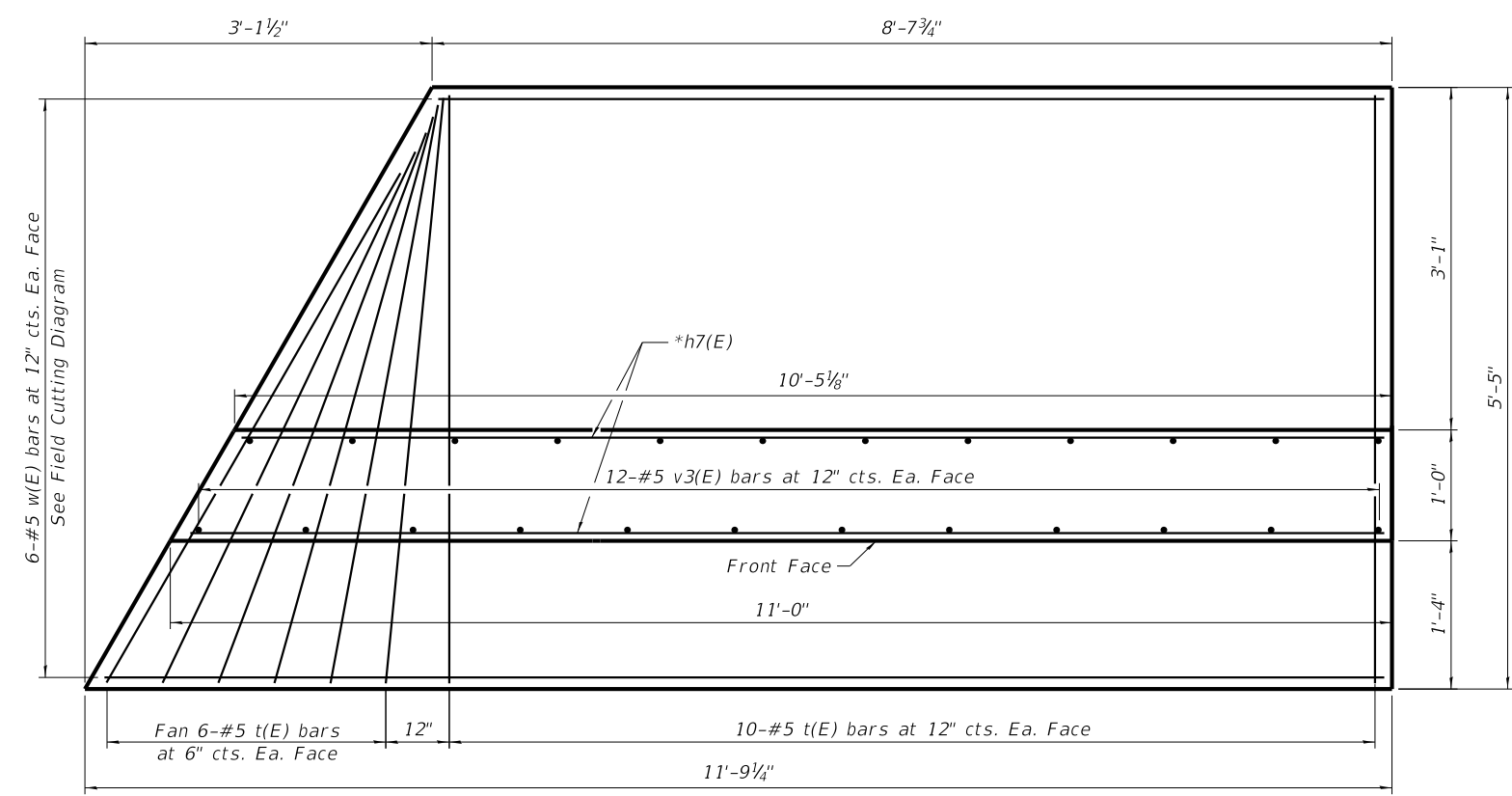
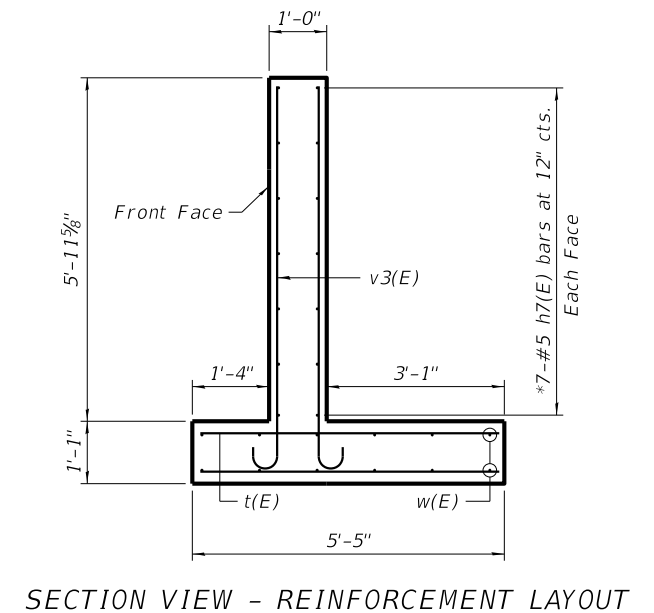
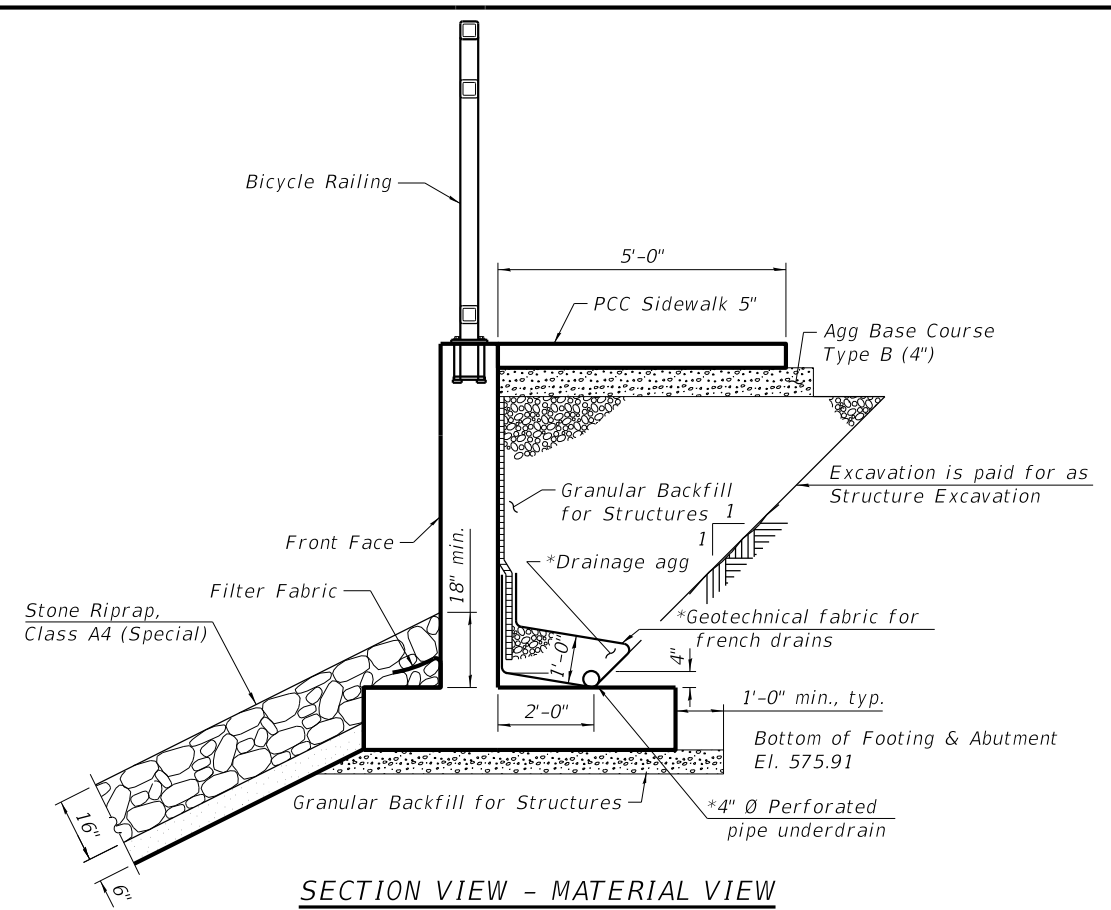
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

WEST ABUTMENT DETAILS
STRUCTURE NO. 032-3336

STRUCTURAL SHEET 21 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 54 |
| CONTRACT# 87893 | | WHA# 1464D24 | | |
| ILLINOIS | | | | |



NOTES:
See Structural Sheet 21 for retaining wall quantities.

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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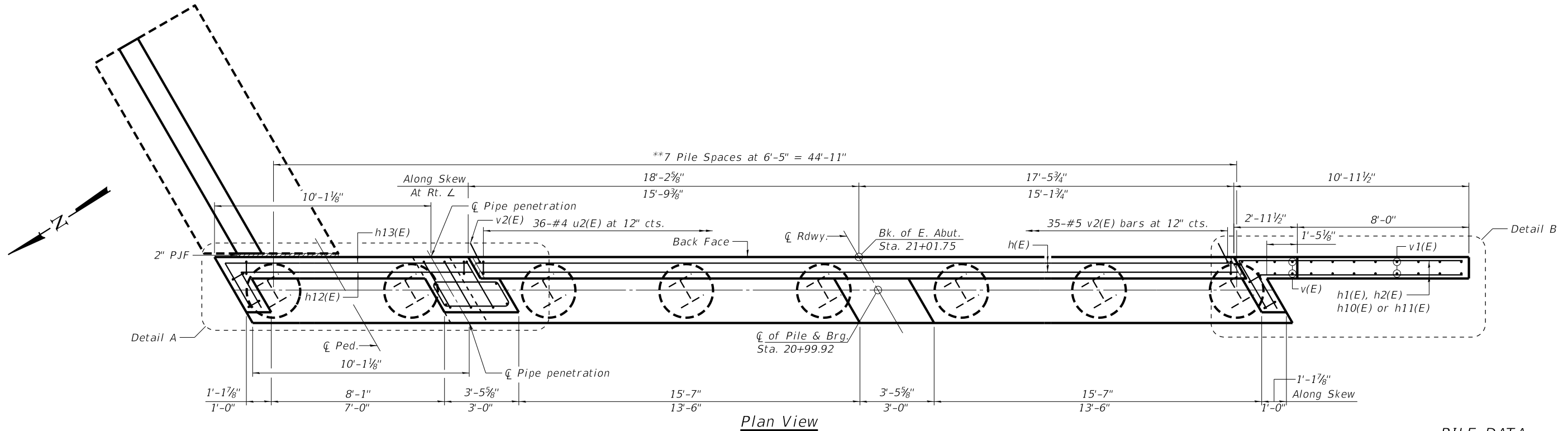
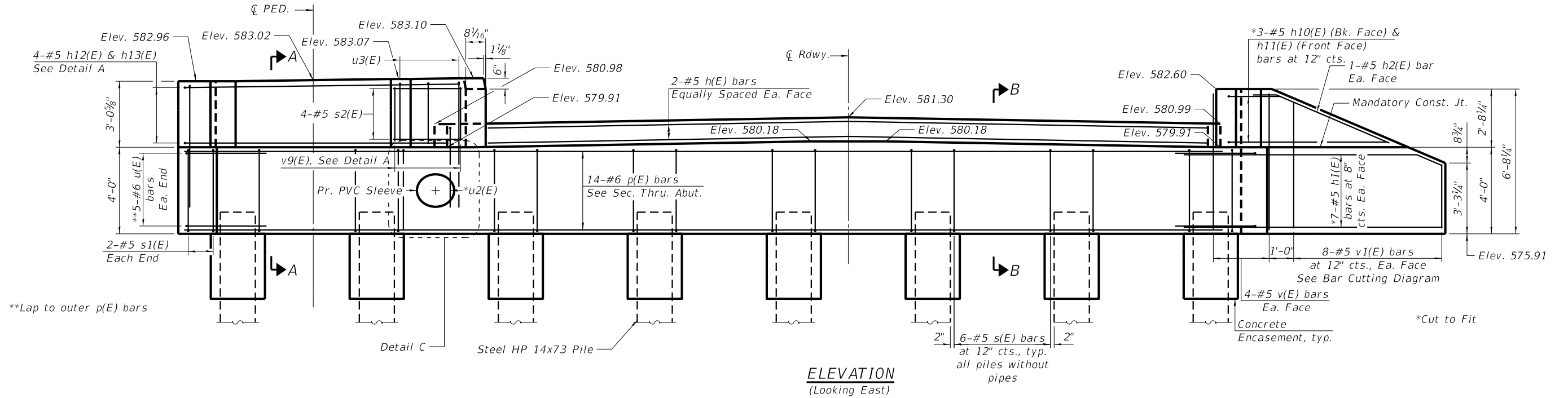
| DESIGNED | ATK |
|----------|-----|
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLETT HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-00918

WEST ABUTMENT DETAILS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 22 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 55 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



**Piles may be shifted up to 1 foot in either direction along the centerline of the abutment to avoid conflicts with existing piles. Adjust s(E) bars as necessary to maintain 12-inch spacing.

See Structural Sheet 25 for Retaining Wall Details

PILE DATA

Type: Steel HP 14x73 w/Pile Shoes
 Nominal Required Bearing: Drive to Refusal
 Factored Resistance Available: 278 Kips
 Est. Length: 55'
 No. Production Piles: 7
 No. Test Piles: 1

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

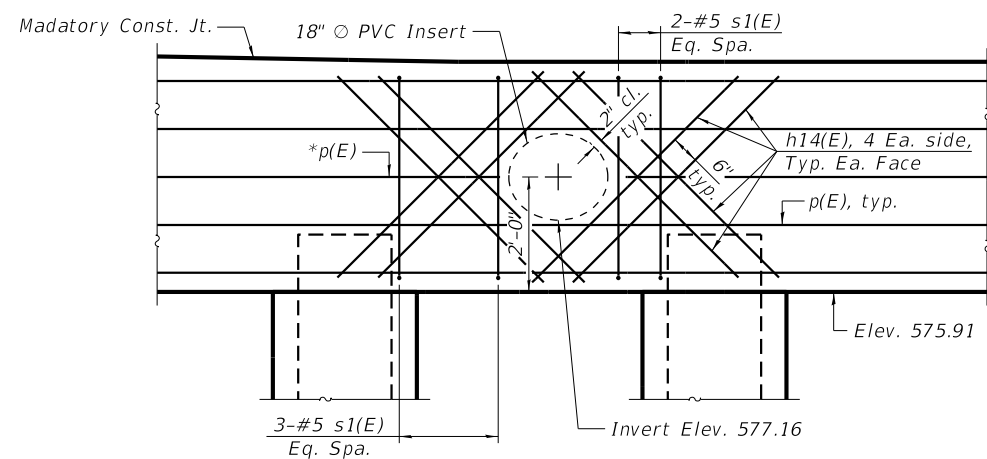


EAST ABUTMENT DETAILS
STRUCTURE NO. 032-3336

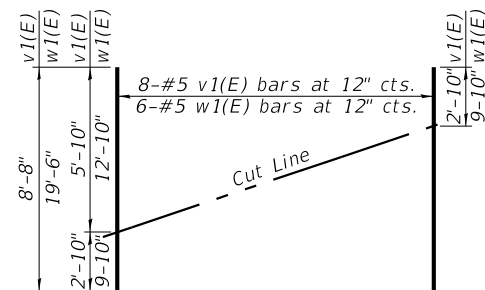
STRUCTURAL SHEET 23 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 56 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |

ILLINOIS

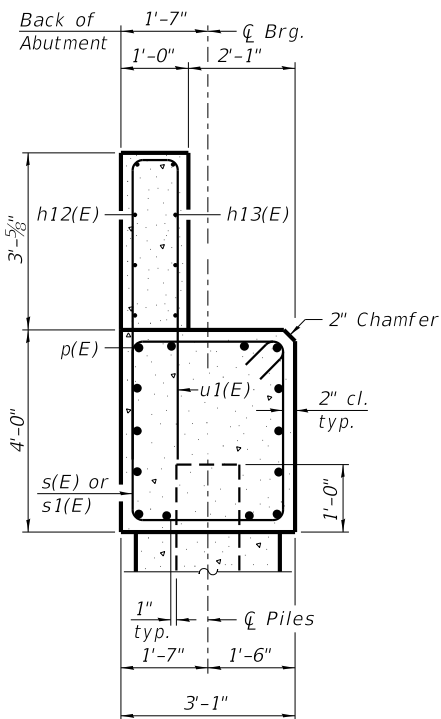


DETAIL C



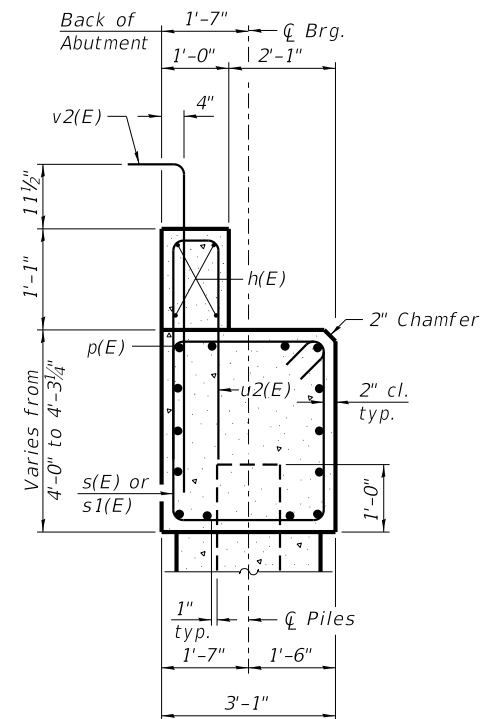
FIELD CUTTING DIAGRAM

Order v1(E) & w1(E) bars full length. Cut as shown and use remainder of bars in opposite face.



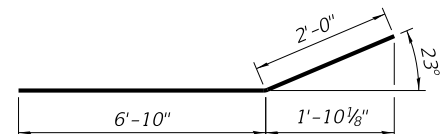
SECTION A-A

(Dimensions are at right angles to abutment)

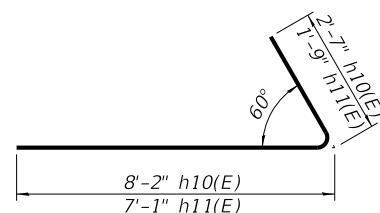


SECTION B-B

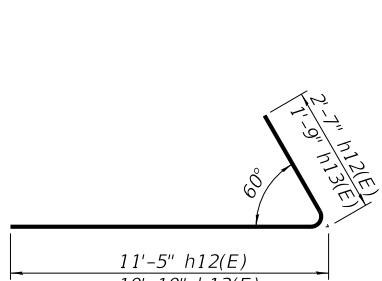
(Dimensions are at right angles to abutment)



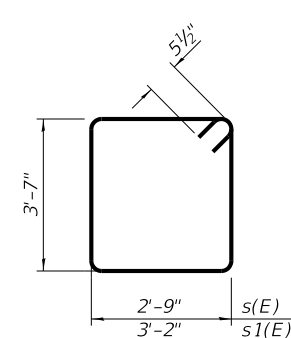
BAR h2(E)



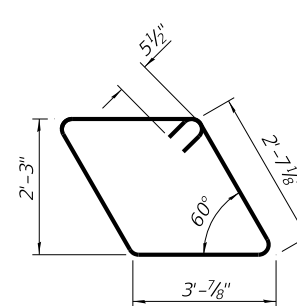
BARS h10(E), h11(E)



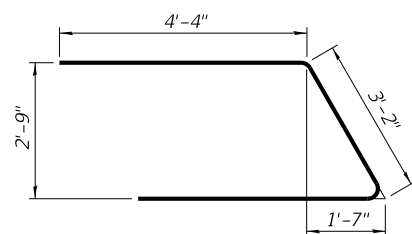
BARS h12(E), h13(E)



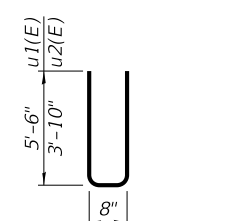
BARS s(E) & s1(E)



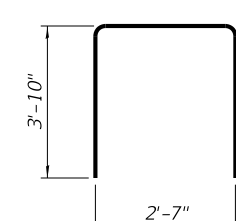
BARS s2(E)



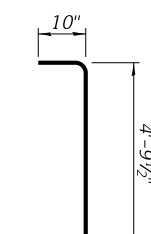
BAR u(E)



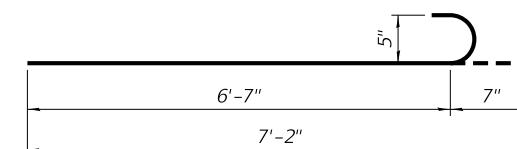
BAR u1(E) & u2(E)



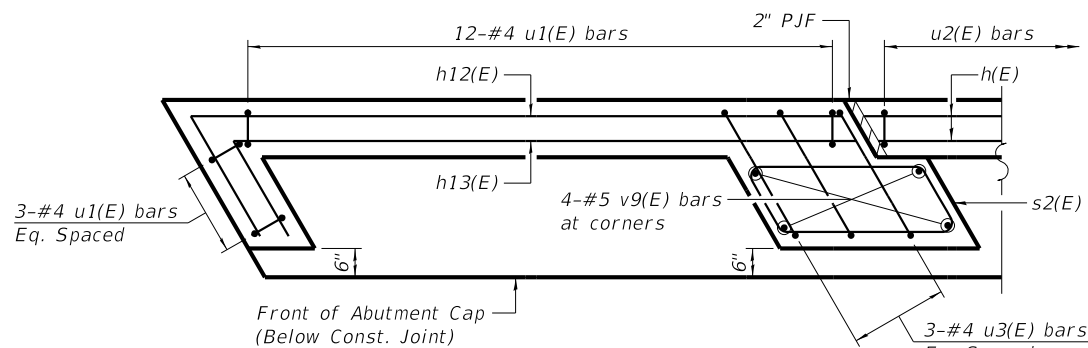
BARS u3(E)



BAR v2(E)

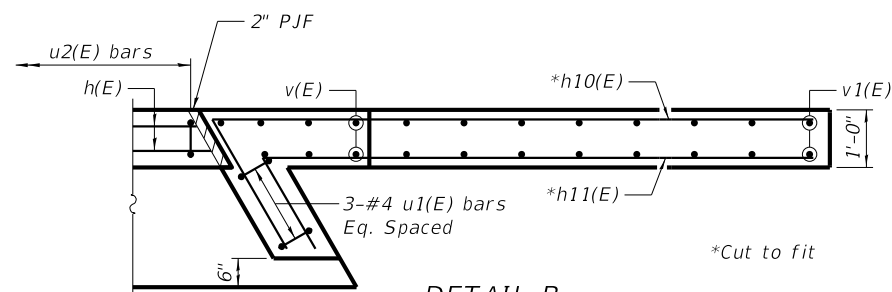


BAR v3(E)



DETAIL A

(Cut Above Const. Joint)



DETAIL B

(Cut Above Const. Joint)

| BILL OF MATERIAL | | | | |
|----------------------------------|-----|------|-----------|-------|
| Bar | No. | Size | Length | Shape |
| h(E) | 4 | 5 | 34' - 10" | — |
| h1(E) | 14 | 5 | 12' - 9" | — |
| h2(E) | 2 | 5 | 8' - 10" | — |
| h8(E) | 14 | 5 | 10' - 8" | — |
| h10(E) | 3 | 5 | 10' - 9" | — |
| h11(E) | 3 | 5 | 8' - 10" | — |
| h12(E) | 4 | 5 | 14' - 0" | — |
| h13(E) | 4 | 5 | 12' - 7" | — |
| h14(E) | 16 | 5 | 5' - 0" | — |
| p(E) | 14 | 6 | 48' - 1" | — |
| s(E) | 36 | 5 | 13' - 7" | □ |
| s1(E) | 9 | 5 | 14' - 5" | □ |
| s2(E) | 4 | 5 | 12' - 3" | □ |
| t(E) | 34 | 5 | 5' - 3" | — |
| u(E) | 10 | 6 | 11' - 10" | — |
| u1(E) | 18 | 4 | 11' - 8" | — |
| u2(E) | 36 | 4 | 8' - 4" | — |
| u3(E) | 3 | 4 | 10' - 3" | — |
| v(E) | 8 | 5 | 6' - 3" | — |
| v1(E) | 8 | 5 | 8' - 8" | — |
| v2(E) | 35 | 5 | 5' - 8" | — |
| v3(E) | 25 | 5 | 7' - 2" | — |
| v9(E) | 4 | 5 | 3' - 0" | — |
| w1(E) | 6 | 5 | 22' - 8" | — |
| STRUCTURE EXCAVATION | | | CU YD | 69 |
| CONCRETE ENCASEMENT | | | CU YD | 4.4 |
| CONCRETE STRUCTURES | | | CU YD | 33.5 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 3870 |
| FURNISHING STEEL PILES HP14X73 | | | FOOT | 385 |
| DRIVING PILES | | | FOOT | 385 |
| TEST PILE STEEL HP14X73 | | | EACH | 1 |
| PILE SHOES | | | EACH | 14 |

Notes:
For details of piles and Concrete Encasement, see Structural Sheet 29.
Cast backwall and tops of wingwalls after beams have been erected.

| REVISION | DATE | BY | REMARKS |
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DESIGNED ATK
DRAWN DAL
REVIEWED MRL
APPROVED ATK

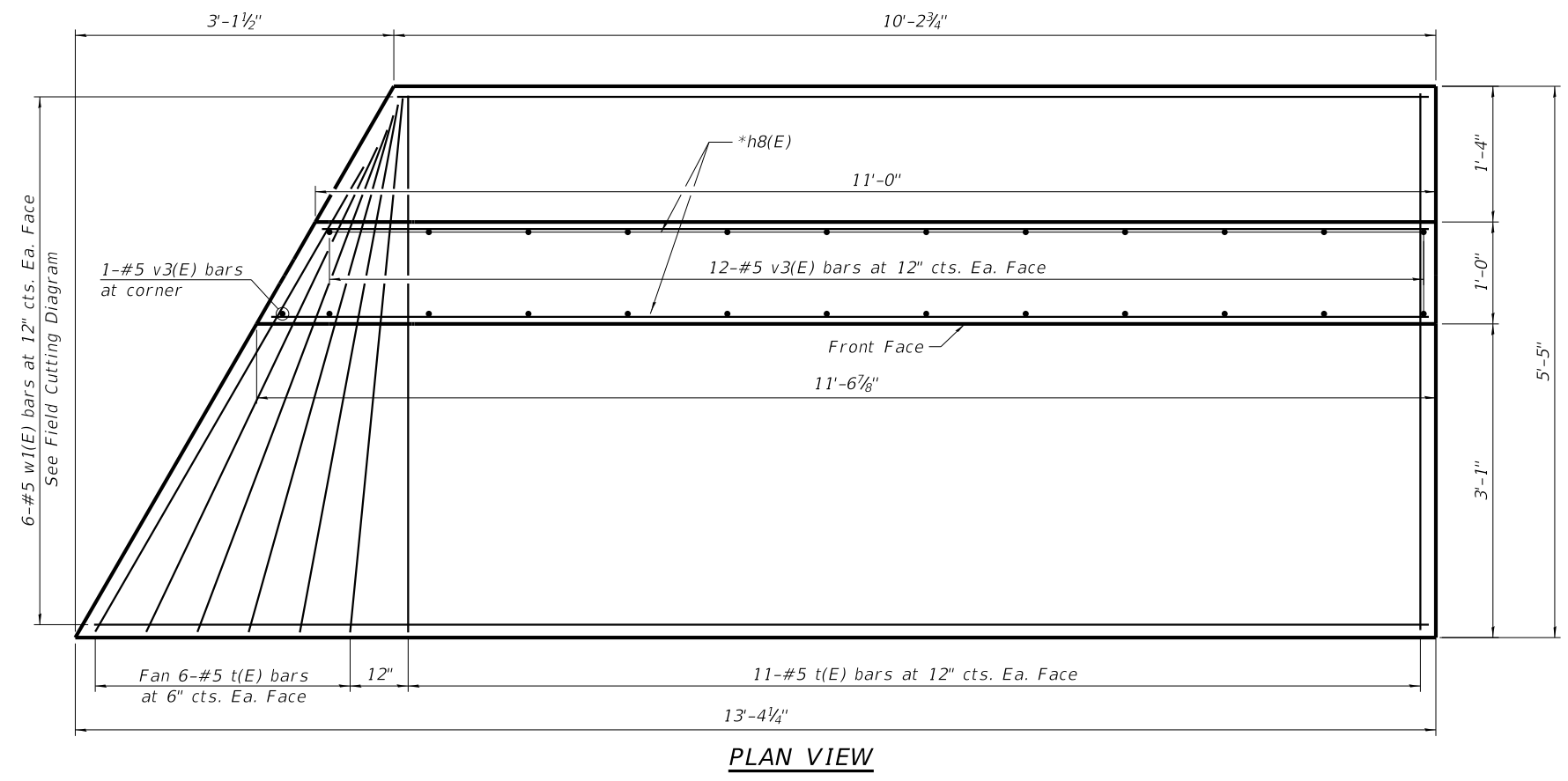
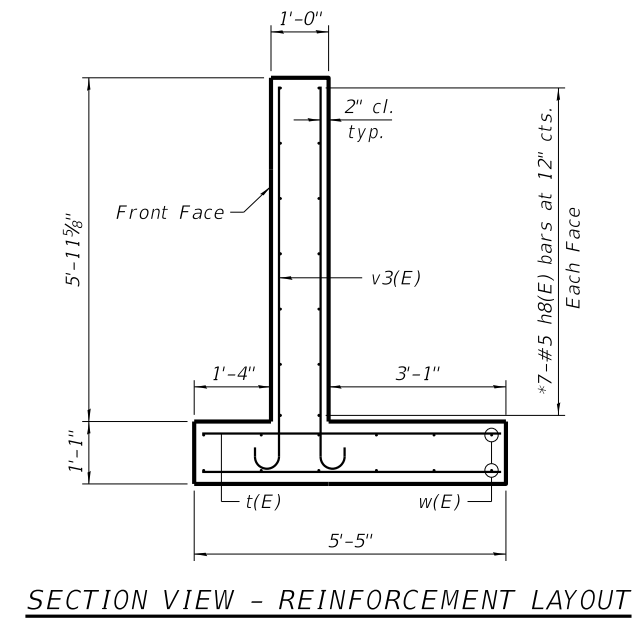
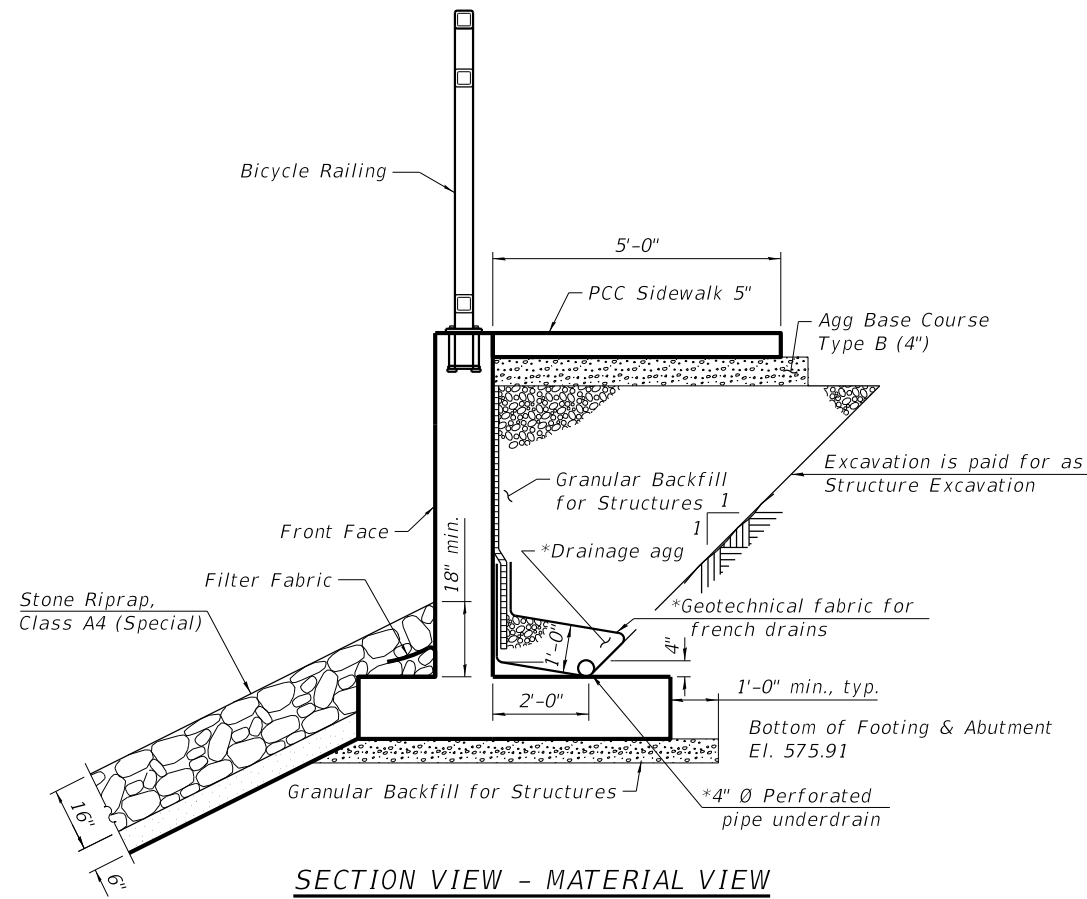
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLET HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EAST ABUTMENT DETAILS
STRUCTURE NO. 032-3336

STRUCTURAL SHEET 24 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 57 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



NOTES:
See Structural Sheet 24 for retaining wall quantities.

| REVISION | DATE | BY | REMARKS |
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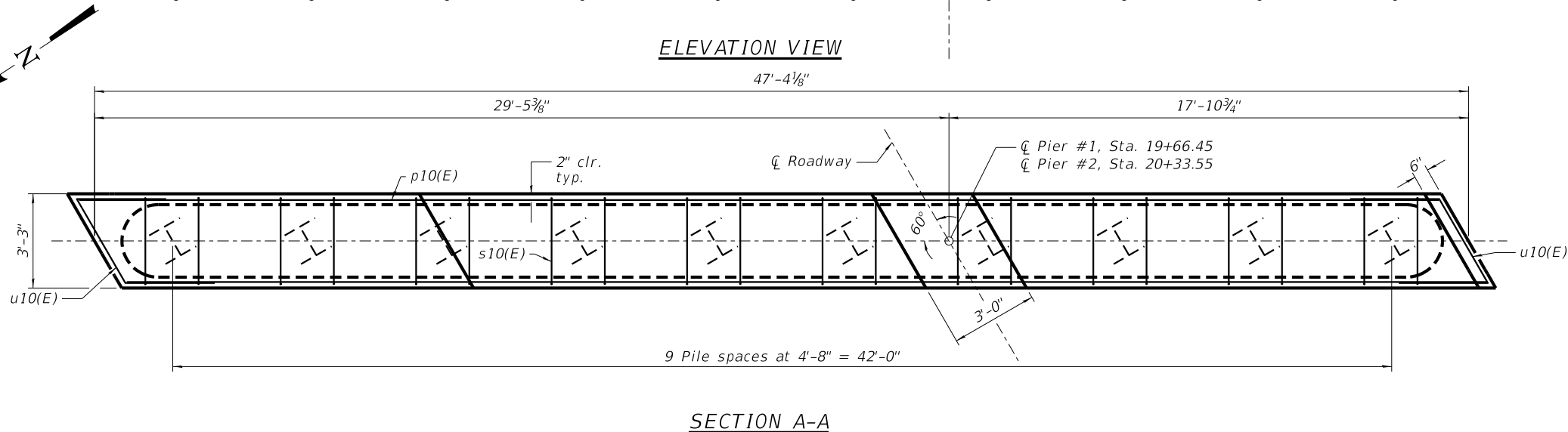
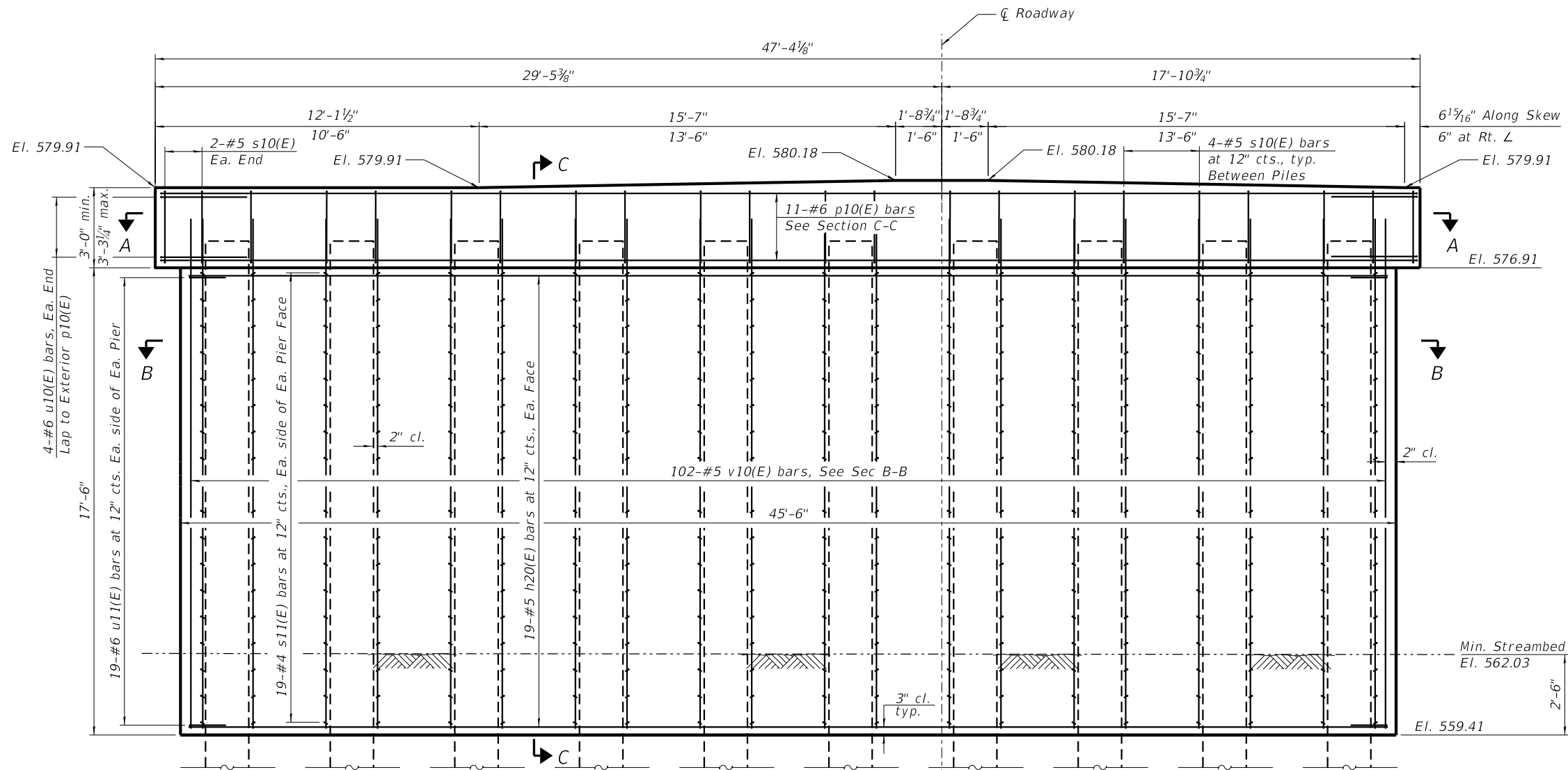
| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLET HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EAST ABUTMENT DETAILS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 25 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 58 |
| CONTRACT# 87893 | | WHA# 1464D24 | | |
| ILLINOIS | | | | |



PILE DATA

Type: Steel HP 14x73 w/ Pile Shoes
 Nominal Required Bearing: Drive to Refusal
 Factored Resistance Available:
 244 kips (Pier #1 & #2)
 Est. Length: 56'
 No. Production Piles: 9 (Each Pier)
 No. Test Piles: 1 (Each Pier)

MINIMUM BAR LAP
 #6 bar = 3'-9"

BILL OF MATERIAL TWO PIERS

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|------|-----------|-------|
| h20(E) | 76 | 5 | 44' - 4" | — |
| p10(E) | 22 | 6 | 47' - 0" | — |
| s10(E) | 80 | 5 | 12' - 1" | □ |
| s11(E) | 760 | 4 | 3' - 3" | ┌ |
| u10(E) | 16 | 6 | 10' - 10" | └ |
| u11(E) | 76 | 6 | 8' - 5" | U |
| v10(E) | 204 | 5 | 19' - 3" | — |
| CONCRETE STRUCTURES | | | CU YD | 181.2 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 13050 |
| FURNISHING STEEL PILES HP14X73 | | | FOOT | 1008 |
| DRIVING PILES | | | FOOT | 1008 |
| TEST PILE STEEL HP14X73 | | | EACH | 2 |
| PILE SHOES | | | EACH | 20 |

NOTES:

See Structural Sheet 27 for Sections B-B, C-C and bar details.
 For pile details, see Structural Sheet 28
 All exposed edges shall have standard 3/4" chamfers, except as noted.
 Space reinforcement in cap to miss dowel rods.
 After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure a min. of 24 hours prior to grouting the shear keys.
 If a portion of the concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the waterline at the time of construction.

| REVISION | DATE | BY | REMARKS |
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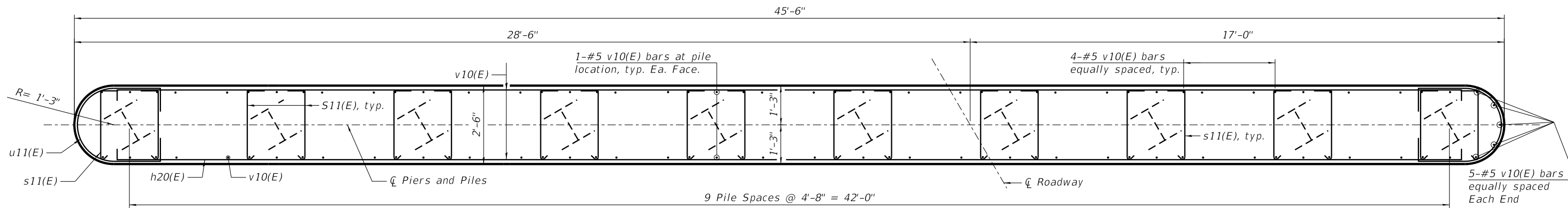
| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

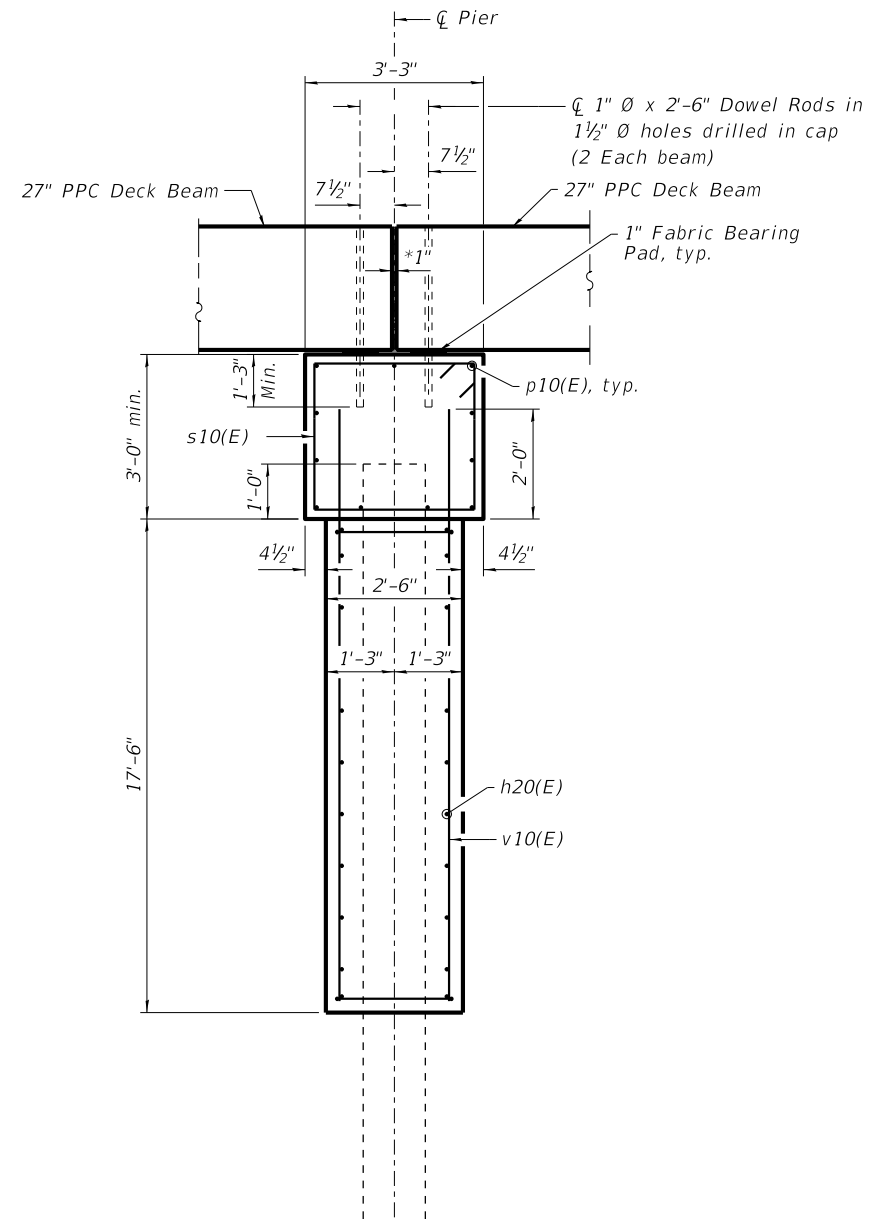


PIER DETAILS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 26 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 59 |
| CONTRACT# 87893 | | | WHA* 1464024 | |
| ILLINOIS | | | | |



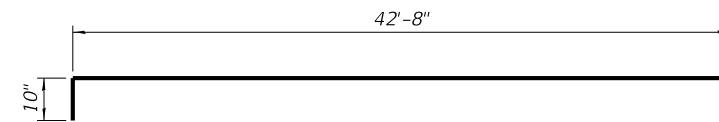
SECTION B-B



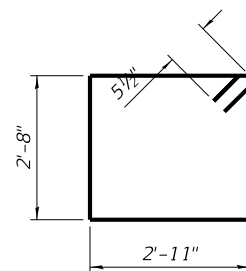
SECTION C-C

Dimensions are at Rt. L

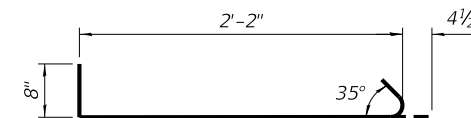
*1" joint shall be filled with non-shrink grout.
 1" dimensions may vary to accomodate tolerance in beam length
 MHA wearing surface not shown for clarity



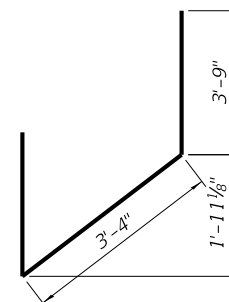
BAR h20(E)



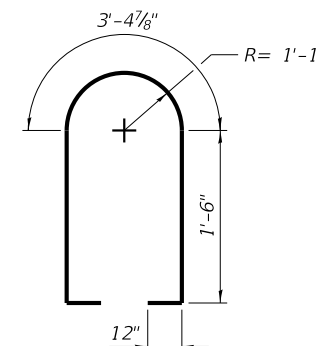
BAR s10(E)



BAR s11(E)



BAR u10(E)



BAR u11(E)

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



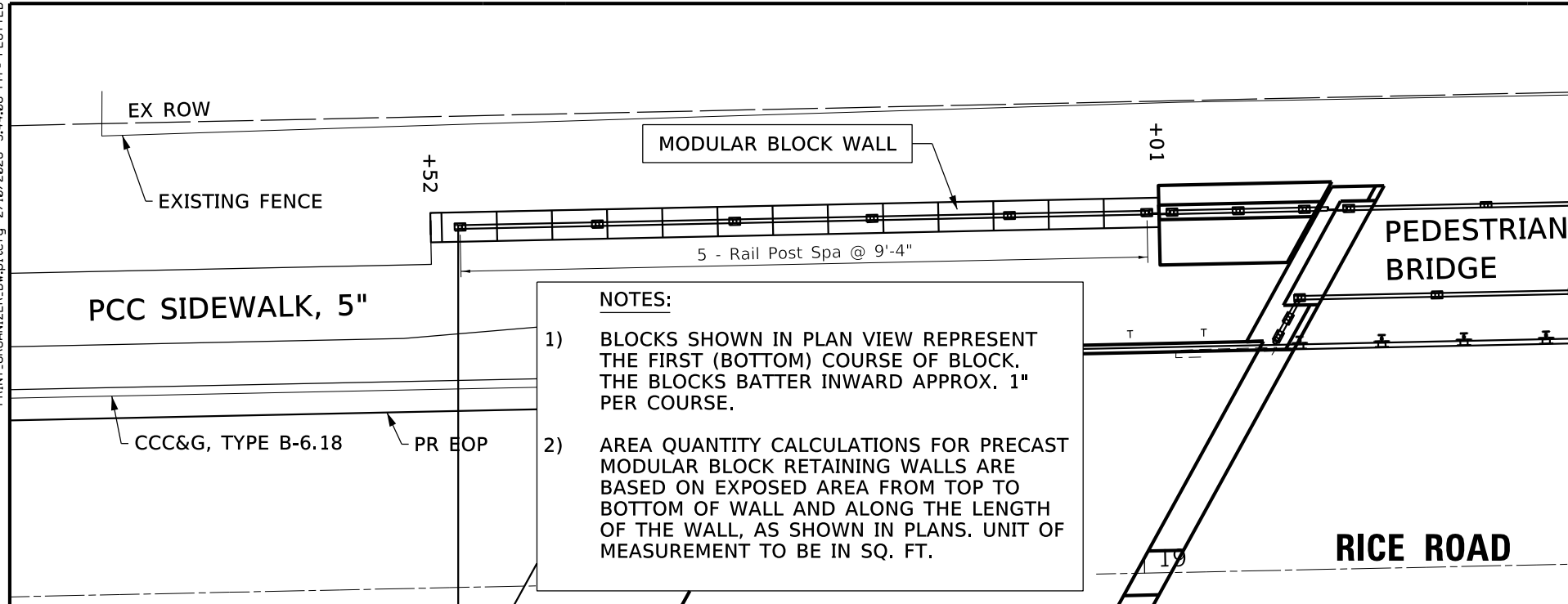
WILLET HOFMANN
 & ASSOCIATES INC
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

PIER DETAILS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 27 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 60 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

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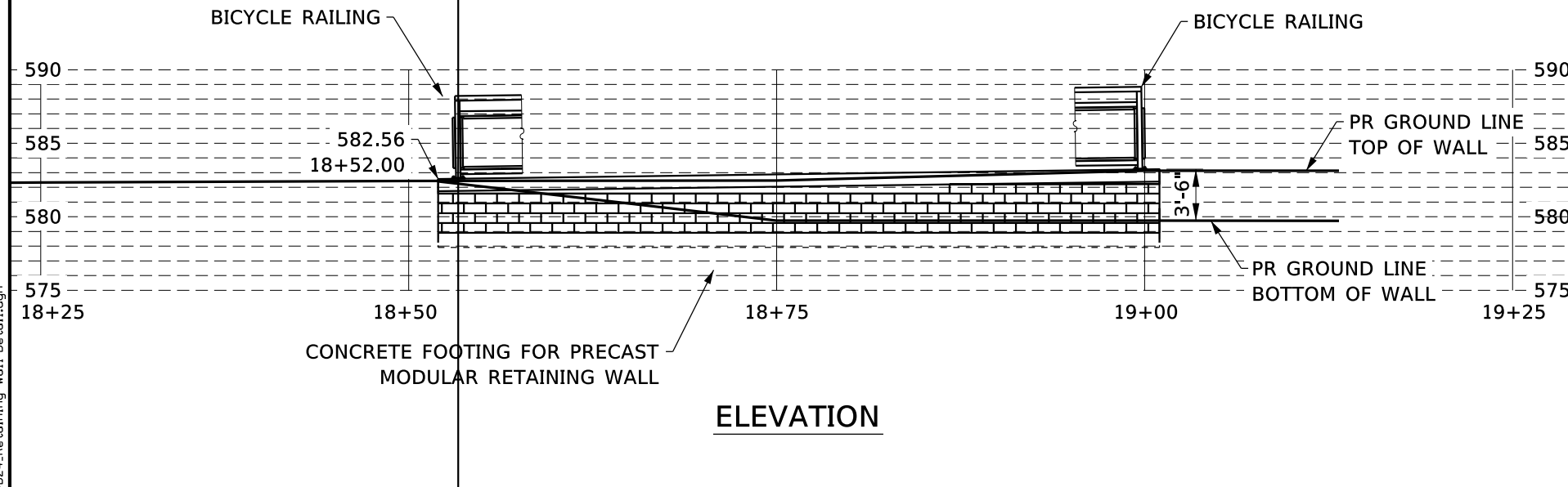
S:\PROJECTS\2024\1464024_GRC\DESIGN\CAD_SHEETS\1464024_Retaining Wall Detail.dgn



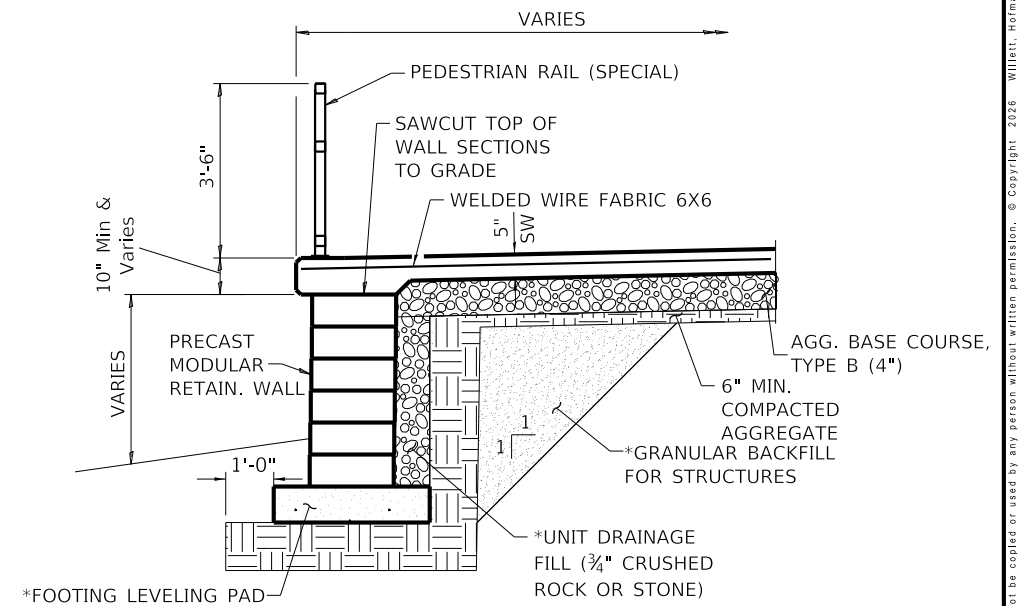
NOTES:

- 1) BLOCKS SHOWN IN PLAN VIEW REPRESENT THE FIRST (BOTTOM) COURSE OF BLOCK. THE BLOCKS BATTER INWARD APPROX. 1" PER COURSE.
- 2) AREA QUANTITY CALCULATIONS FOR PRECAST MODULAR BLOCK RETAINING WALLS ARE BASED ON EXPOSED AREA FROM TOP TO BOTTOM OF WALL AND ALONG THE LENGTH OF THE WALL, AS SHOWN IN PLANS. UNIT OF MEASUREMENT TO BE IN SQ. FT.

**NW QUADRANT PRECAST MODULAR RETAINING WALL ELEVATION
(LOOKING NORTH)**



ELEVATION



TYPICAL SECTION THRU PATH

*COST INCLUDED IN PRECAST MODULAR RETAINING WALL

BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|--------------------------------|---------|-------|
| PRECAST MODULAR RETAINING WALL | SQ. FT. | 112 |
| BICYCLE RAIL | FOOT | 48 |

| REVISION | DATE | BY | REMARKS | DESIGNED | CJI |
|----------|------|----|---------|----------|-----|
| | | | | DRAWN | CJI |
| | | | | REVIEWED | GBG |
| | | | | APPROVED | ATK |

**GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026**

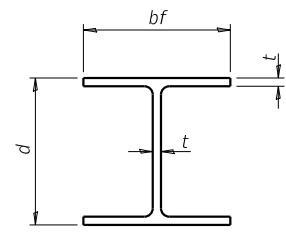


**WILLET HOFMANN
& ASSOCIATES INC**
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

**PRECAST MODULAR RETAINING WALL DETAILS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 28 OF 46 SHEETS**

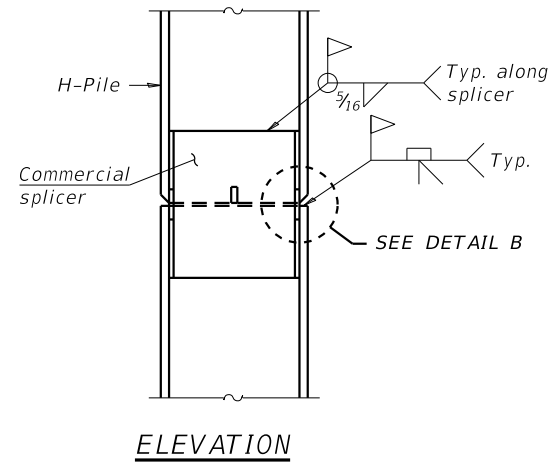
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 61 |
| CONTRACT# 87893 | | WHA* | 1464024 | |
| ILLINOIS | | | | |

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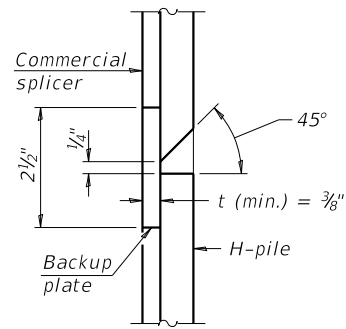


STEEL PILE TABLE

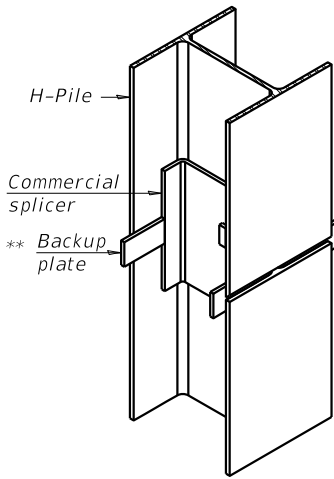
| Designation | Depth d | Flange width bf | Web and Flange thickness t | Encasement diameter A |
|-------------|---------|-----------------|----------------------------|-----------------------|
| HP 14x117 | 14 1/4" | 14 7/8" | 1 3/16" | 30" |
| x102 | 14" | 14 3/4" | 1 1/16" | 30" |
| x89 | 13 7/8" | 14 3/4" | 5/8" | 30" |
| x73 | 13 5/8" | 14 5/8" | 1/2" | 30" |
| HP 12x84 | 12 1/4" | 12 1/4" | 1 1/16" | 24" |
| x74 | 12 1/8" | 12 1/4" | 5/8" | 24" |
| x63 | 12" | 12 1/8" | 1/2" | 24" |
| x53 | 11 3/4" | 12" | 7/16" | 24" |
| HP 10x57 | 10" | 10 1/4" | 9/16" | 24" |
| x42 | 9 3/4" | 10 1/8" | 7/16" | 24" |
| HP 8x36 | 8" | 8 1/8" | 7/16" | 18" |



ELEVATION

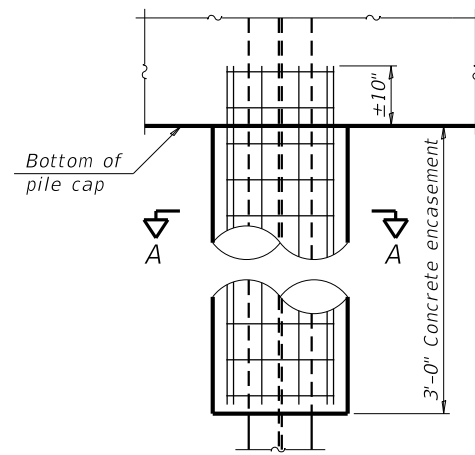


DETAIL "B"

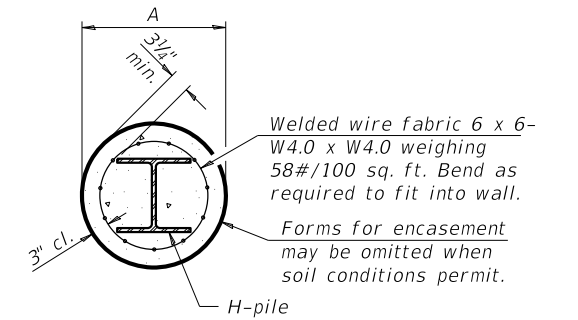


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

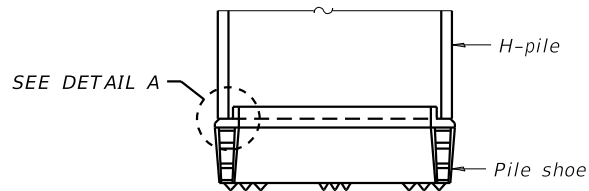


ELEVATION

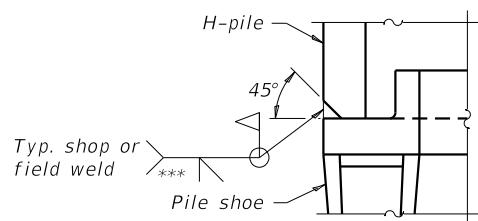


SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT (Abutments only)



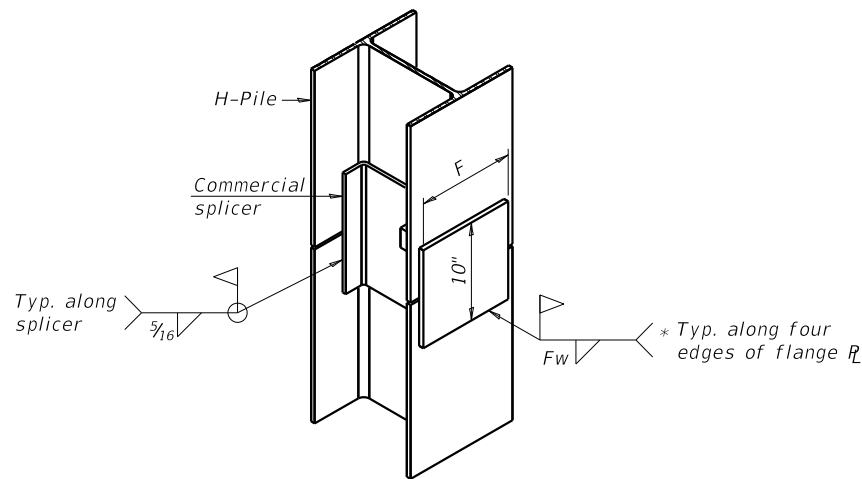
ELEVATION



DETAIL A

SHOE ATTACHMENT

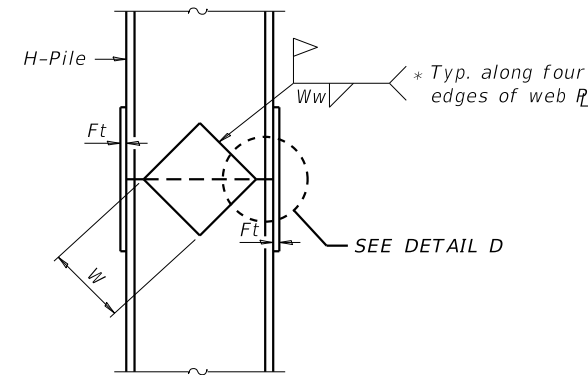
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



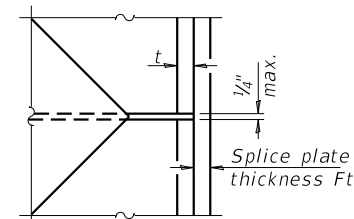
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

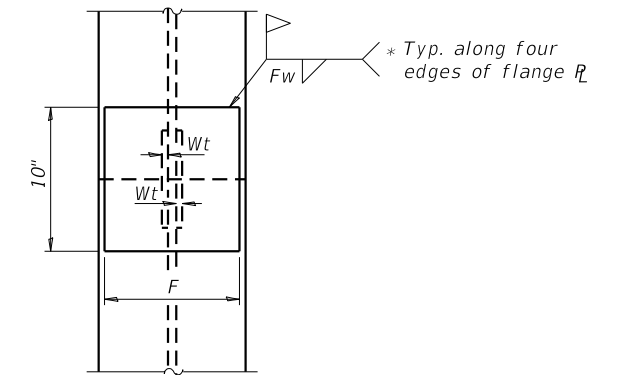


ELEVATION



DETAIL D

WELDED PLATE FIELD SPLICE



END VIEW

| Designation | F | Ft | Fw | W | Wt | Ww |
|-------------|---------|------|---------|--------|------|------|
| HP 14x117 | 12 1/2" | 1" | 7/8" | 7 3/4" | 5/8" | 1/2" |
| x102 | 12 1/2" | 7/8" | 3/4" | 7 3/4" | 5/8" | 1/2" |
| x89 | 12 1/2" | 3/4" | 1 1/16" | 7 3/4" | 5/8" | 1/2" |
| x73 | 12 1/2" | 5/8" | 9/16" | 7 3/4" | 5/8" | 1/2" |
| HP 12x84 | 10" | 7/8" | 1 1/16" | 6 1/2" | 5/8" | 1/2" |
| x74 | 10" | 7/8" | 1 1/16" | 6 1/2" | 5/8" | 1/2" |
| x63 | 10" | 5/8" | 1/2" | 6 1/2" | 1/2" | 3/8" |
| x53 | 10" | 5/8" | 1/2" | 6 1/2" | 1/2" | 3/8" |
| HP 10x57 | 8" | 3/4" | 9/16" | 5 1/4" | 1/2" | 3/8" |
| x42 | 8" | 5/8" | 9/16" | 5 1/4" | 1/2" | 3/8" |
| HP 8x36 | 7" | 5/8" | 7/16" | 4 1/4" | 1/2" | 3/8" |

| REVISION | DATE | BY | REMARKS | DESIGNED | ATK |
|----------|------|----|---------|----------|-----|
| | | | | DRAWN | DAL |
| | | | | REVIEWED | MRL |
| | | | | APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

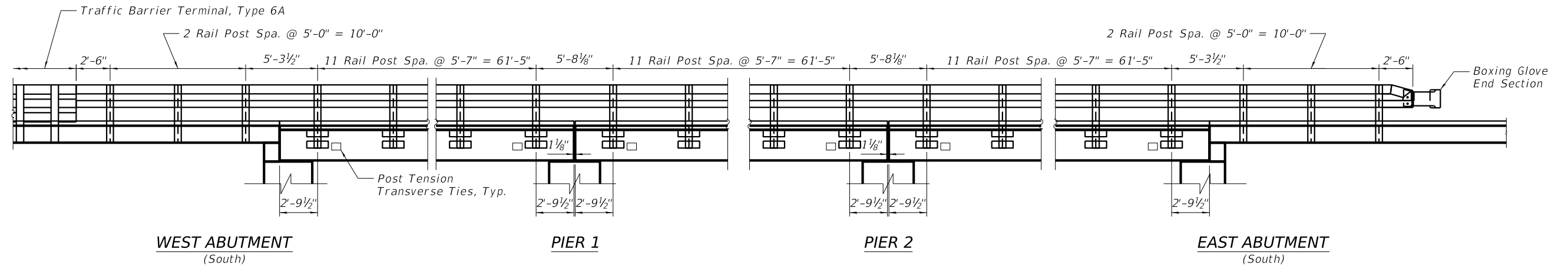


HP PILE DETAILS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 29 OF 46 SHEETS

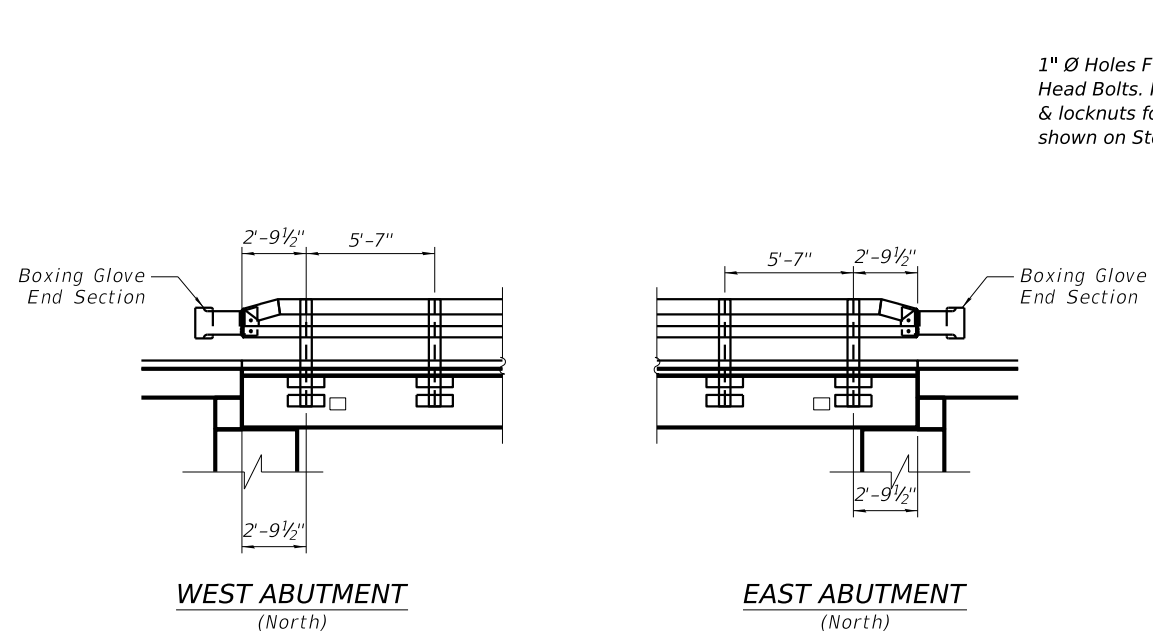
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 62 |
| CONTRACT # 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

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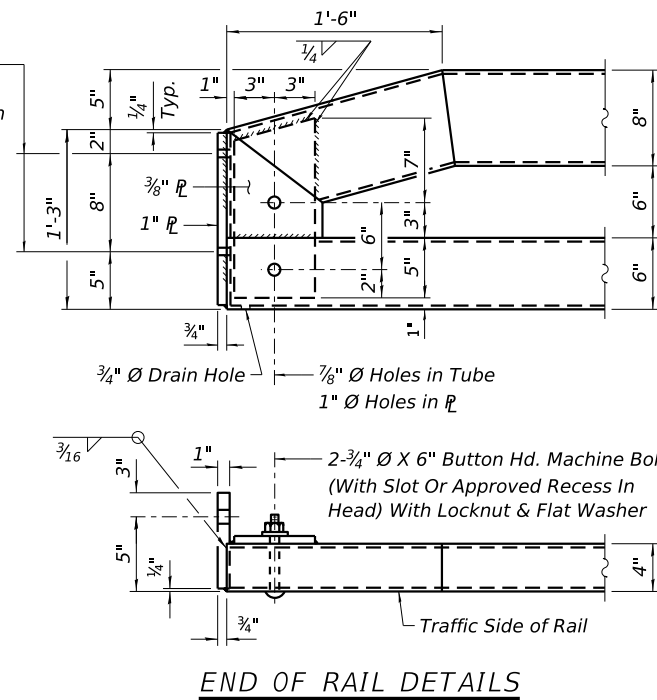


ELEVATION VIEW

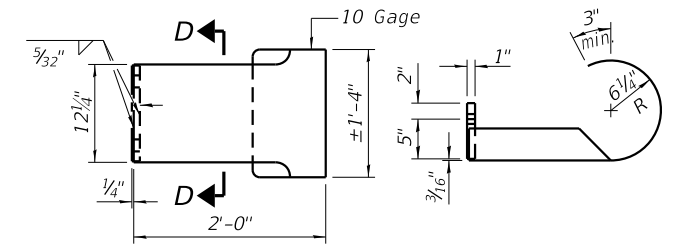


ELEVATION VIEW

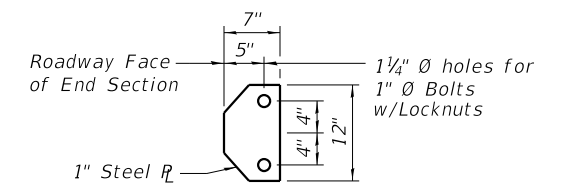
1" Ø Holes For 1" Ø X 4" Round Head Bolts. Provide 2 Flat washers & locknuts for guard rail connection shown on Std. 631026



END OF RAIL DETAILS



CURLED END SECTION DETAILS
*** (2 required)



SECTION D-D

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

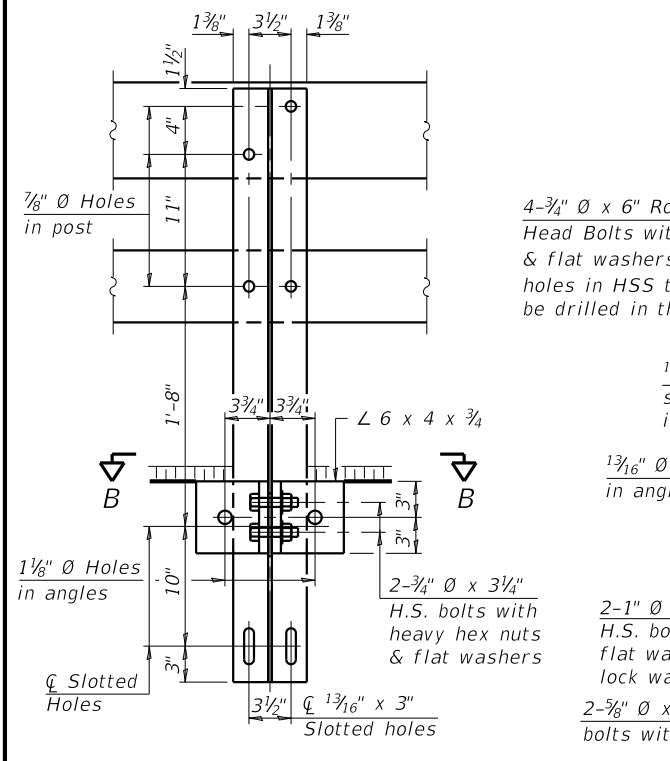
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



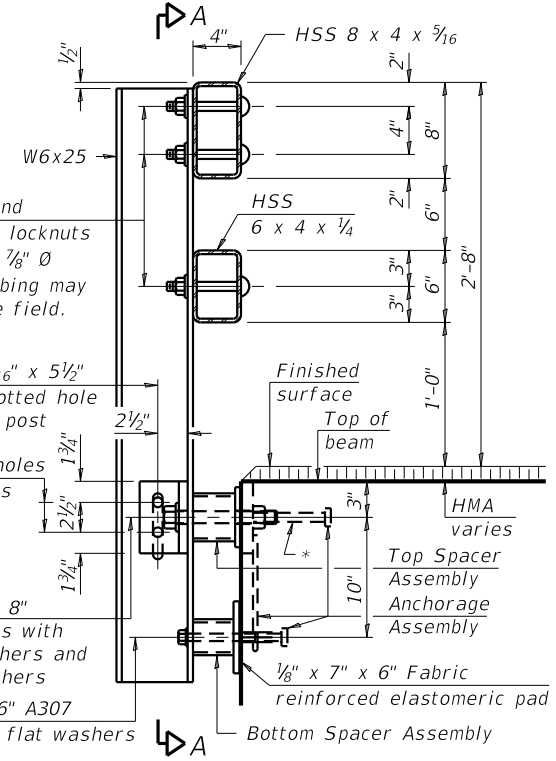
WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

STEEL RAILING, TYPE SM ELEVATION
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 30 OF 46 SHEETS

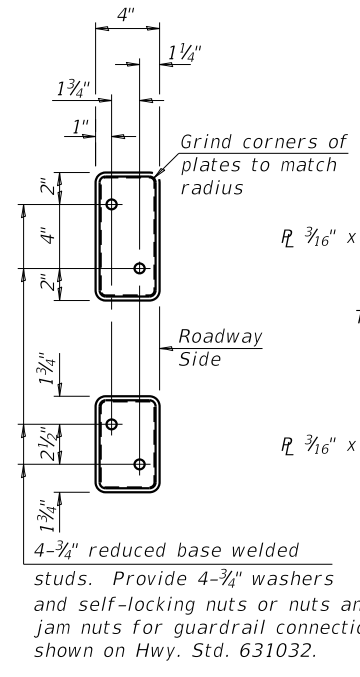
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 63 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



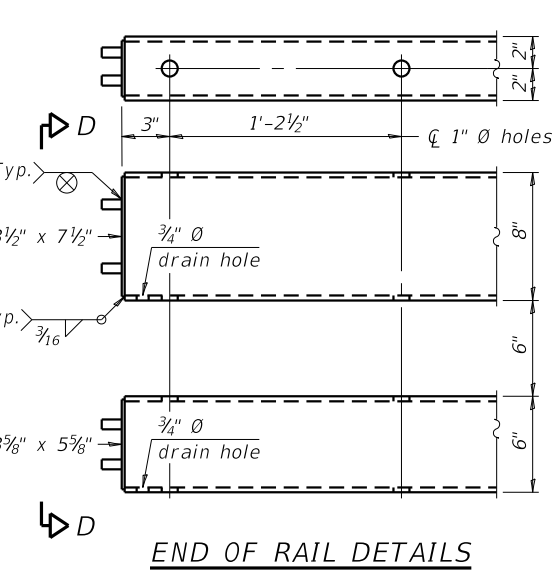
SECTION A-A



SECTION AT RAIL POST

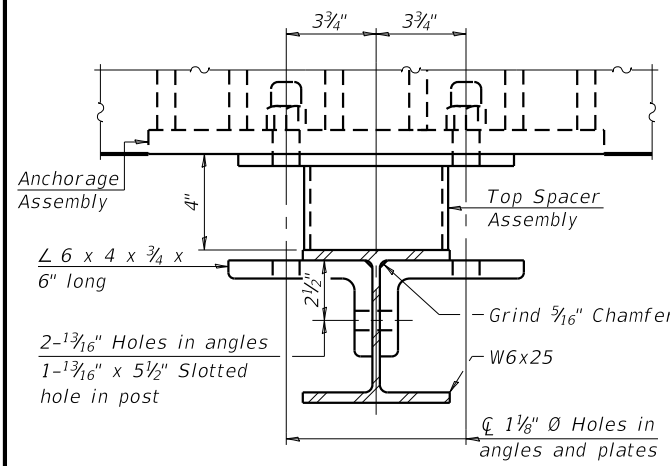


VIEW D-D



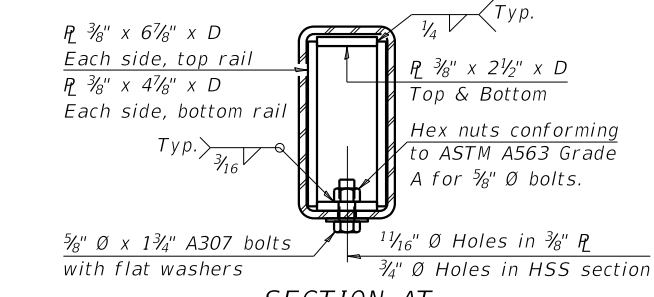
END OF RAIL DETAILS

Notes:
 A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11 1/2", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than 1/4" (top) or 1/2" (bottom), longer bolts are required. Cost included with Steel Railing, Type SM.
 All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.
 All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
 Rail splice inserts may be built out of 2 - 3/8" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.
 All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.
 ***Cost included in Steel Railing, Type SM

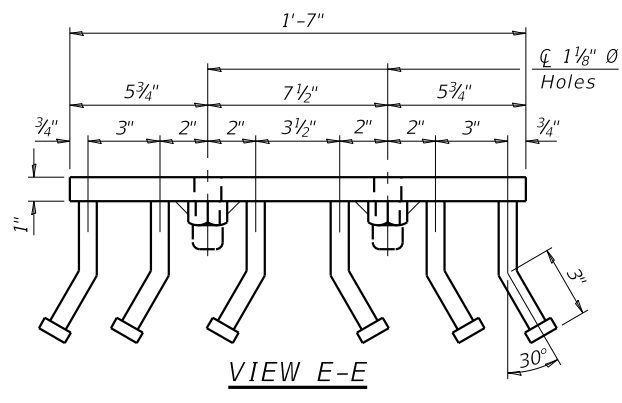


SECTION B-B

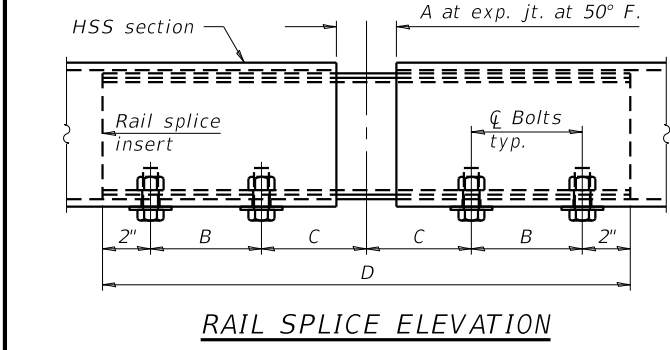
* The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.



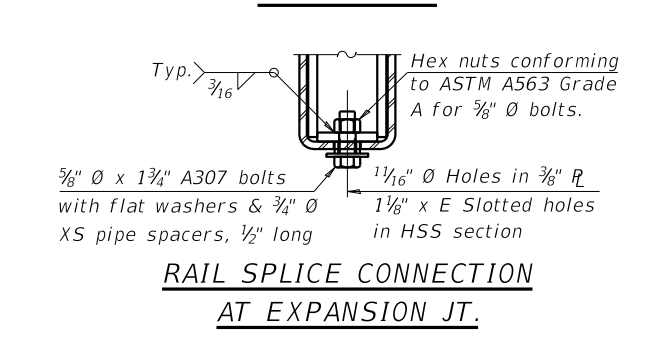
SECTION AT RAIL SPLICE



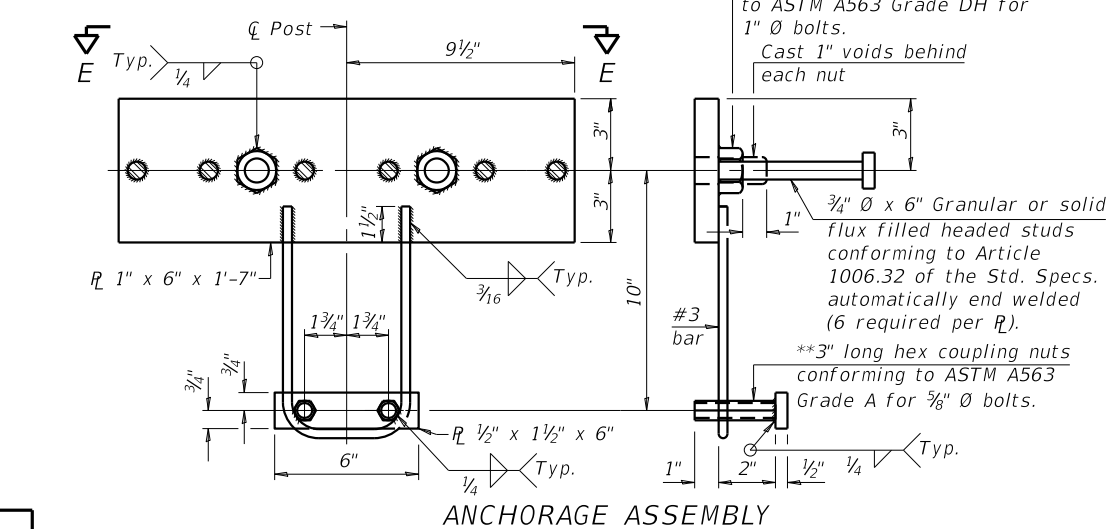
VIEW E-E



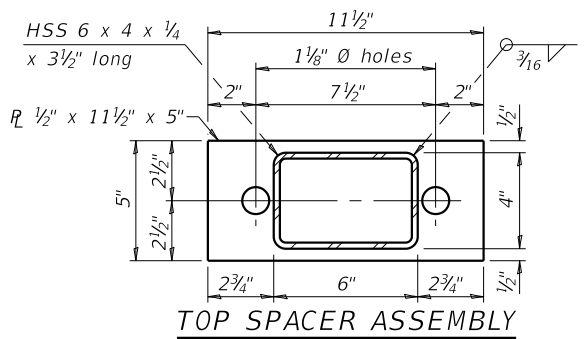
RAIL SPLICE ELEVATION



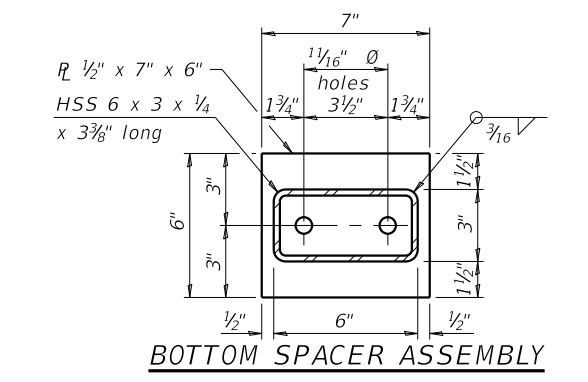
RAIL SPLICE CONNECTION AT EXPANSION JT.



ANCHORAGE ASSEMBLY



TOP SPACER ASSEMBLY



BOTTOM SPACER ASSEMBLY

BILL OF MATERIAL

| Item | Unit | Quantity |
|------------------------|------|----------|
| Steel Railing, Type SM | Foot | 435 |

RAILING CRITERIA

| | |
|--------------------------|-------------|
| MASH 2016 Test Level | 2 |
| Railing Weight (plf) | 90 |
| Min f'c (psi) | 5,000 |
| Max Post Spacing | 6'-3" |
| HMA thickness range (in) | 1 1/4" - 3" |

SPLICE DIMENSIONS

| Location | T | A | B | C | D | E |
|------------------------------|---------|--------|---------|--------|-----------|-----------|
| All locs. not over exp. jts. | 0 | 1/4" | 4" | 4" | 1'-8" | - |
| Over Strip Seal Jt. | ≤4" | 2 1/2" | 4 3/8" | 4 3/8" | 1'-10" | 3 1/16" |
| Over Finger or Modular Jt. | ≤9 1/2" | 5 1/2" | 7 3/8" | 7 1/4" | 2'-9 1/4" | 5 1 3/16" |
| Over Finger or Modular Jt. | ≤15" | 8 1/4" | 10 1/8" | 10" | 3'-8 1/4" | 8 3/16" |

T = ; total movement along centerline of roadway at expansion joint.

** Threaded areas shall be plugged or blocked off during casting of concrete.

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

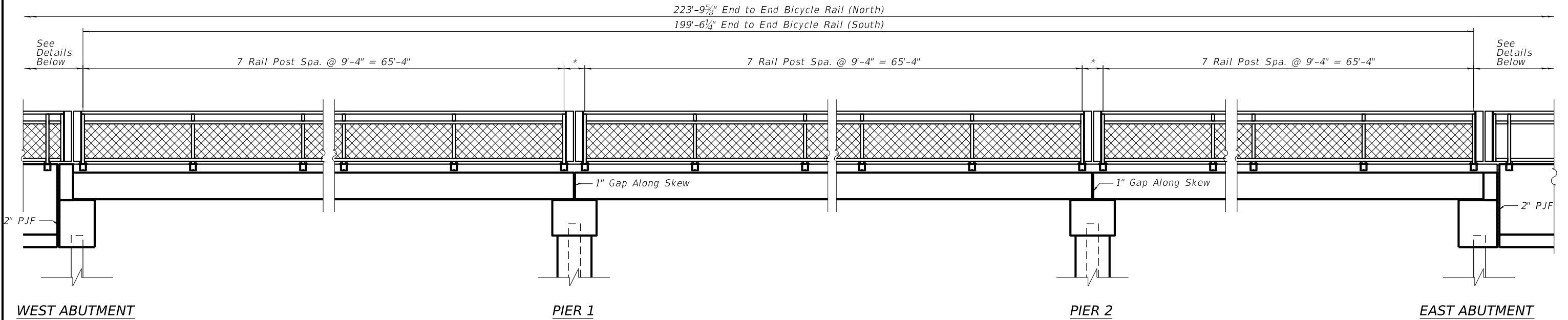
WILLETT HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

STEEL RAILING, TYPE SM
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 31 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 64 |
| CONTRACT# 87893 | | WHA# 1464024 | | |
| ILLINOIS | | | | |

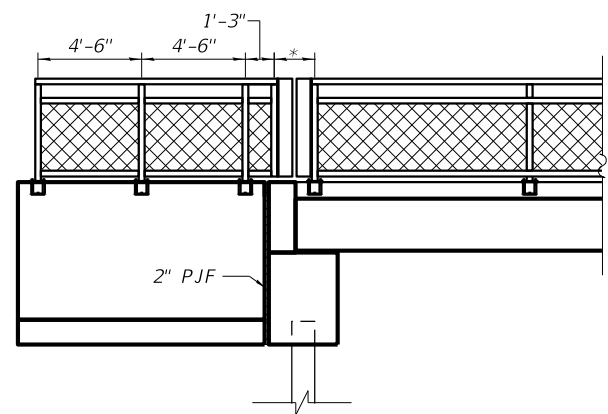
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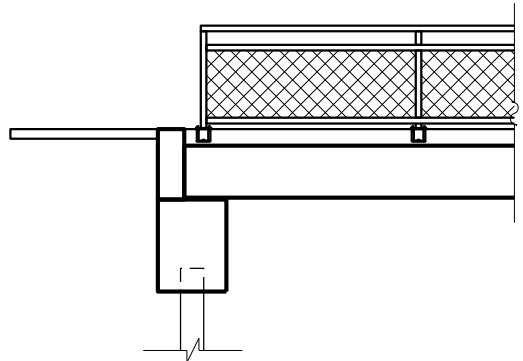


ELEVATION VIEW

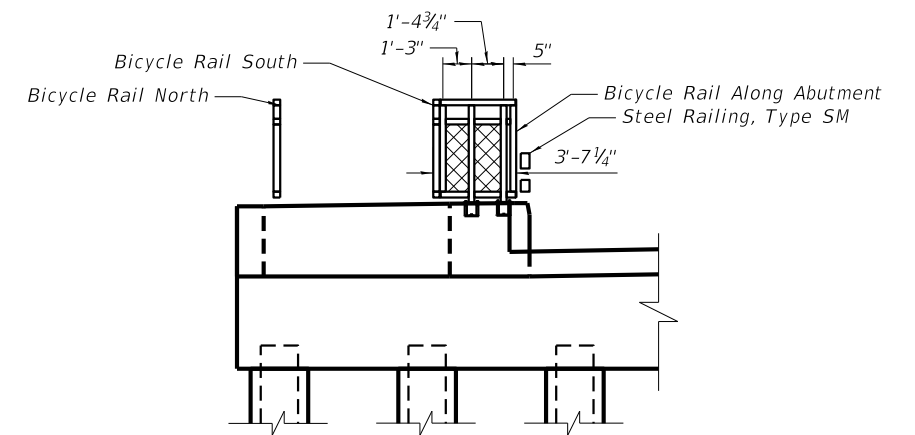
*SEE STRUCTURAL SHEET 32 FOR DETAILS OVER PIERS



BICYCLE RAIL END SECTION
(North)



BICYCLE RAIL END SECTION
(South)



Bicycle Rail Gap Between Structures
(Looking East)

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

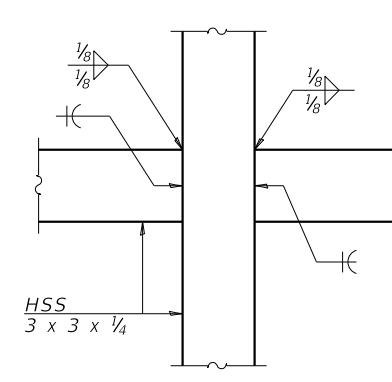
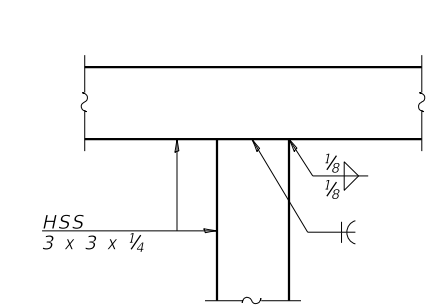
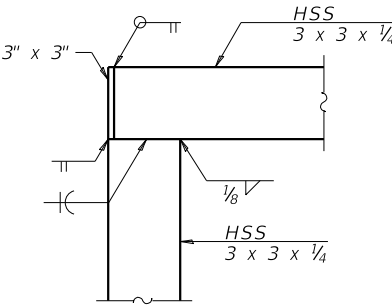
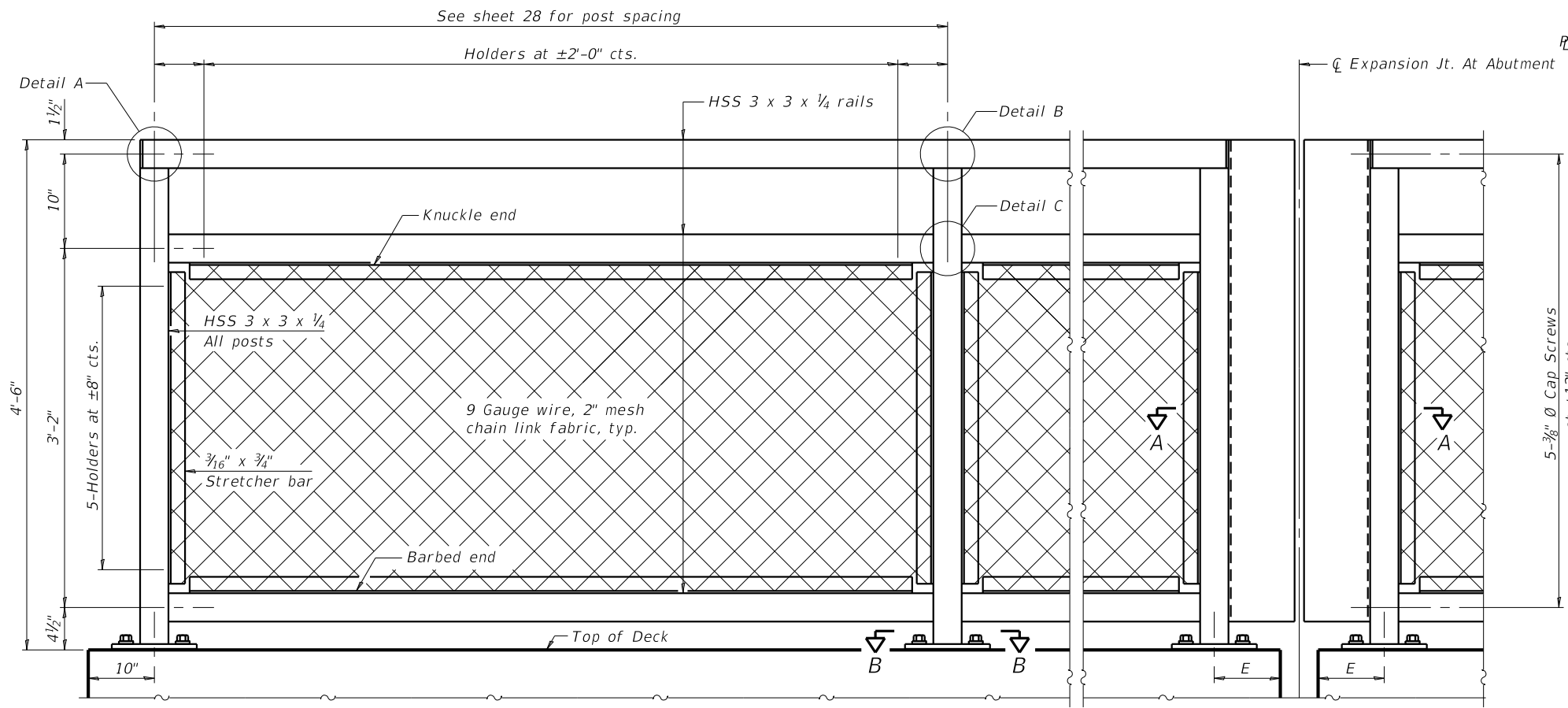
| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

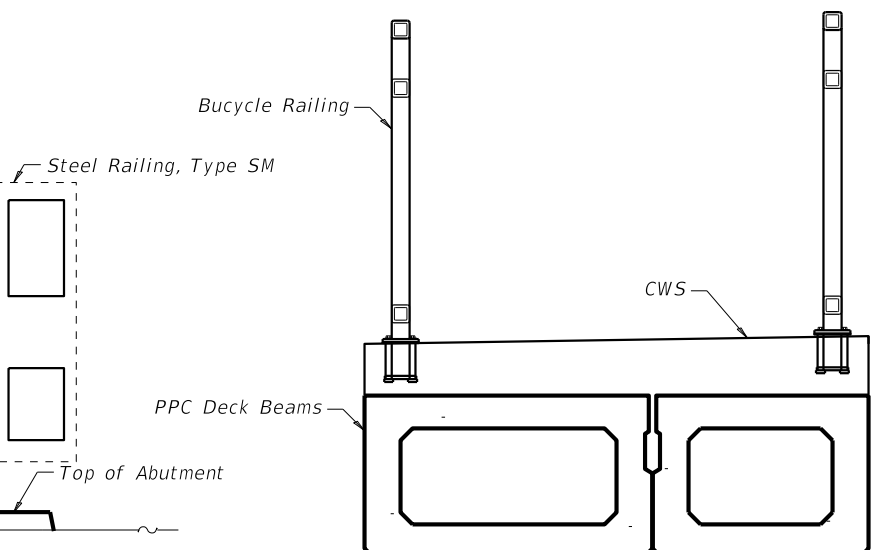
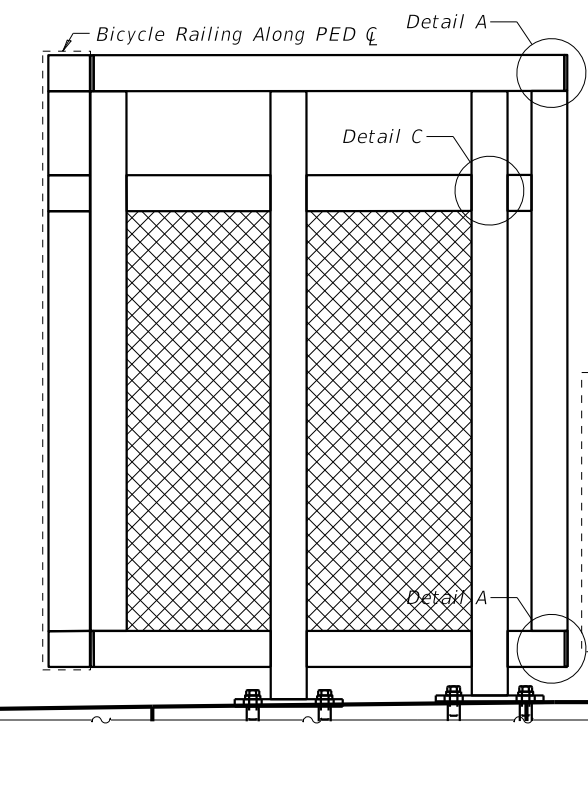
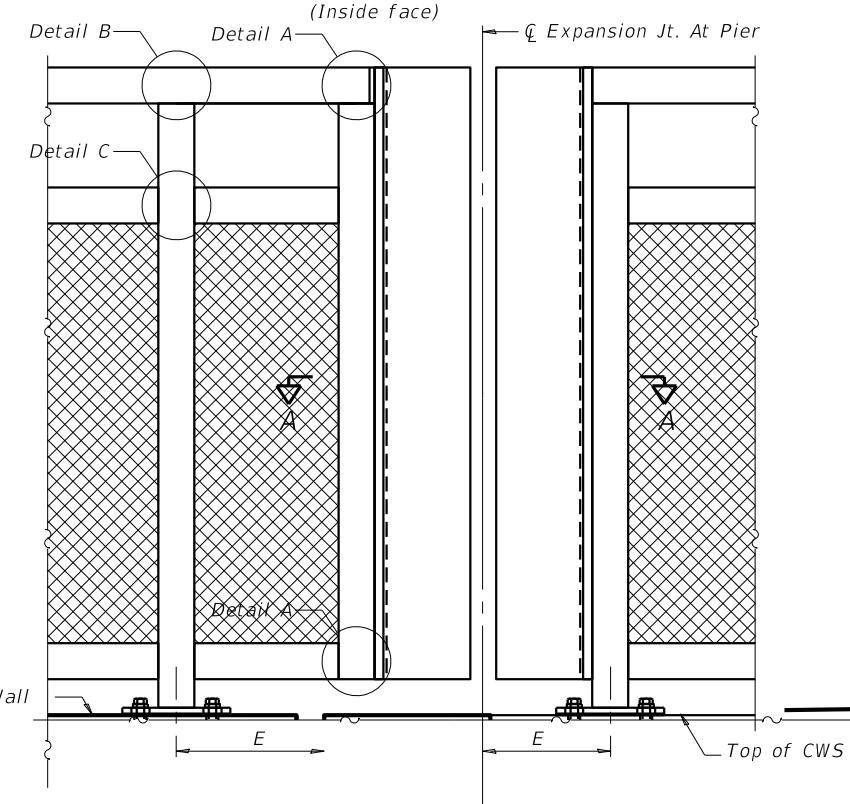
WILLET HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

BICYCLE RAILING PEDESTRIAN BRIDGE
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 32 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 65 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



ELEVATION BICYCLE RAILING



SECTION THRU DECK

RAILING CRITERIA

| | |
|------------------------------|--------|
| MASH 2016 Test Level | 4 |
| Bicycle Railing Weight (plf) | 50 |
| Max Post Spacing | 10'-0" |

ELEVATION BICYCLE RAILING (Inside face)

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

DESIGNED ATK
 DRAWN DAL
 REVIEWED MRL
 APPROVED ATK

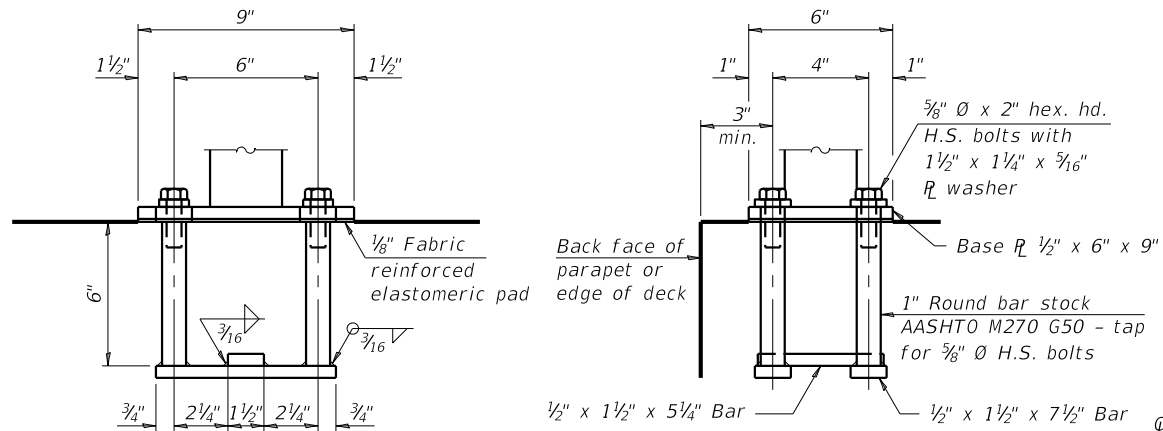
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

BICYCLE RAILING
STRUCTURE NO. 032-3336

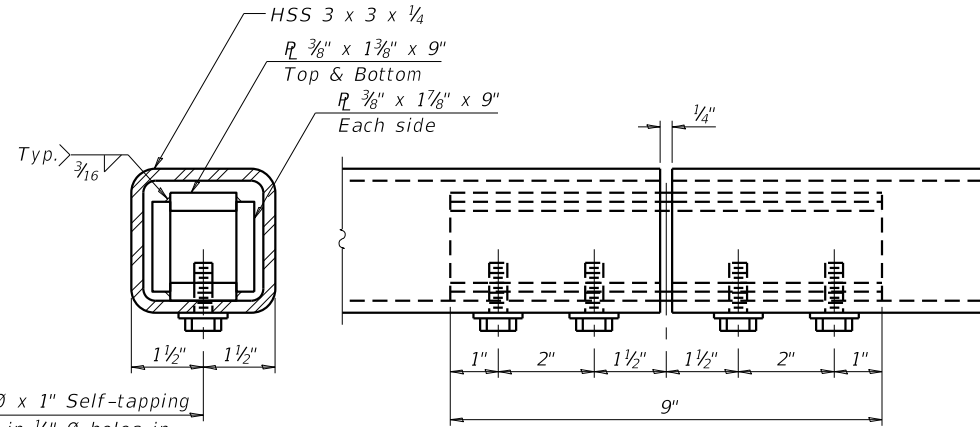
STRUCTURAL SHEET 33 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 66 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



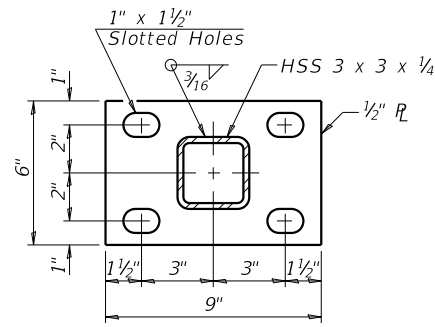
ANCHORAGE ASSEMBLY

The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 3/8" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

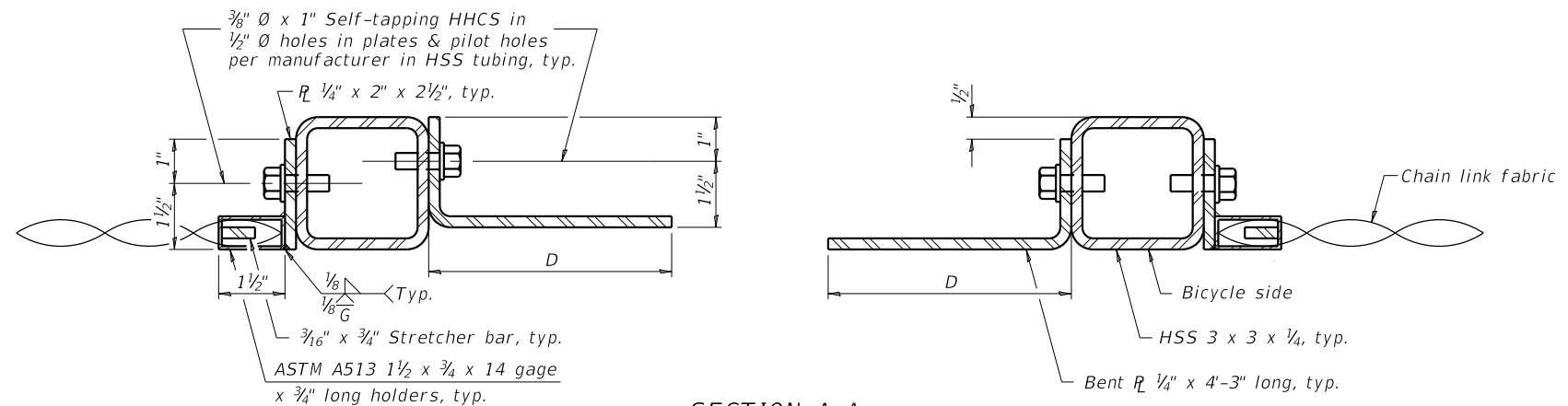


MATERIAL SPLICE

Notes:
 Place reinforcement bars to miss anchor rod locations. CVN testing is not required for the HSS tubing used in the Bicycle Railing.
 All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
 All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.
 All base plates used for the Parapet Railing shall be AASHTO M270 grade 50.
 All heavy hex nuts shall be according to ASTM A 563 grade DH. All fully threaded anchor rods shall be ASTM F1554 grade 105. The post base plate shall be fastened to the curb snug tight and given an additional 1/8" turn.
 Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.
 When the contract specifies a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. When the contract specifies a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as specified in the General Notes.
 See sheet 32 for dimensions of concrete openings at expansion joints.



SECTION B-B



SECTION A-A

TABLE OF DIMENSIONS

| Location | T | D | E |
|-----------|-----|----|-----|
| Over Pier | ≤4" | 8" | 10" |

T = ; total movement based on total temperature range from -20°F to 120°F along centerline of roadway at expansion joint.

BILL OF MATERIAL

| Item | Unit | Quantity |
|-----------------|------|----------|
| Bicycle Railing | Foot | 480 |

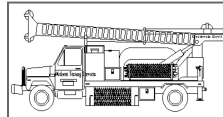
| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | ATK | | |
| DRAWN | DAL | | |
| REVIEWED | MRL | | |
| APPROVED | ATK | | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



BICYCLE RAILING
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 34 OF 46 SHEETS

| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 67 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



Midwest Testing Services, Inc.

3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

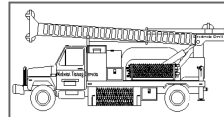
Client: Willett, Hofmann & Associates Inc.
Project Name: Sec. No.: 24-00202-00-BR
Project Site: Existing S.N.: 032-3335 Proposed S.N.: 032-3336
F.A.S.- 293 (Rice Rd.) over E. Fork Mazon River
Greenfield Twp., Grundy County, Illinois

Boring No. B-1
Surface Elev. 583.0
Auger Depth 56-Ft. Rotary Depth NA
Start Date 07/12/25 Finish Date 07/12/25

Location: Station: 21+10 16' RT

| (DEPTH) ELEV. | DESCRIPTION OF MATERIALS | Graphic Log | Depth in feet | SAMPLES | | | | | | DRILLED BY | REMARKS |
|------------------|--|----------------|------------------|------------|-------------|----------|-----------------|---------------|--------------|-----------------------------------|---------|
| | | | | Sample No. | Sample Type | Qu (TSF) | N Value (Blows) | Bulge / Shear | Moisture (%) | | |
| 583.00 | | | | | | | | | | Randy Safranski Diedrich D-120 | |
| 582.00 | Stiff Brownish Black Sandy Clay (Fill) | | 1 | | | | | | | | |
| 581.00 | | | 2 | | | | | | | | |
| 580.00 | | | 3 | 1 | SS | --- | 13 | --- | 16 | | |
| 579.00 | | | 4 | | | | | | | | |
| 578.00 | Very Stiff Brownish Gray Silty Clay Loam | | 5 | 2 | SS | 2.7 | 19 | S | 13 | | |
| 577.00 | | | 6 | | | | | | | | |
| 576.00 | | | 7 | | | | | | | | |
| 575.00 | | | 8 | 3 | SS | 2.4 | 21 | S | 14 | | |
| 574.00 | | | 9 | | | | | | | | |
| 573.00 | | | 10 | 4 | SS | 3.4 | 25 | S | 12 | | |
| 572.00 | | | 11 | | | | | | | | |
| 571.00 | | | 12 | | | | | | | | |
| 570.00 | | | 13 | 5 | SS | 3.1 | 22 | S | 10 | | |
| 569.00 | | | 14 | | | | | | | | |
| 568.00 | | 15 | 6 | SS | 3.4 | 24 | S | 12 | | | |
| 567.00 | | 16 | | | | | | | | | |
| 566.00 | Hard Gray Silty Clay Loam Till | | 17 | | | | | | | | |
| 565.00 | | | 18 | 7 | SS | 4.2 | 26 | S | 10 | | Water |
| 564.00 | | | 19 | | | | | | | | |
| 563.00 | | 20 | 8 | SS | 4.1 | 26 | S | 10 | | | |

Groundwater Data: Static water level after auger removal - Elevation - 565.0.
Comments:



Midwest Testing Services, Inc.

3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 2 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willett, Hofmann & Associates Inc.
Project Name: Sec. No.: 24-00202-00-BR
Project Site: Existing S.N.: 032-3335 Proposed S.N.: 032-3336
F.A.S.- 293 (Rice Rd.) over E. Fork Mazon River
Greenfield Twp., Grundy County, Illinois

Boring No. B-1
Surface Elev. 583.0
Auger Depth 56-Ft. Rotary Depth NA
Start Date 07/12/25 Finish Date 07/12/25

Location: Station: 21+10 16' RT

| (DEPTH) ELEV. | DESCRIPTION OF MATERIALS | Graphic Log | Depth in feet | SAMPLES | | | | | | DRILLED BY | REMARKS |
|------------------|--|----------------|------------------|------------|-------------|----------|-----------------|---------------|--------------|-----------------------------------|---------|
| | | | | Sample No. | Sample Type | Qu (TSF) | N Value (Blows) | Bulge / Shear | Moisture (%) | | |
| 562.00 | | | | | | | | | | Randy Safranski Diedrich D-120 | |
| 561.00 | Hard Gray Silty Clay Loam Till | | 22 | | | | | | | | |
| 560.00 | | | 23 | 9 | SS | 4.3 | 22 | S | 12 | | |
| 559.00 | | | 24 | | | | | | | | |
| 558.00 | | 25 | | | | | | | | | |
| 557.00 | | 26 | 10 | SS | 4.3 | 23 | S | 13 | | | |
| 556.00 | Dense Gray Silty Clay Loam Till with Sand Seams | | 27 | | | | | | | | |
| 555.00 | | | 28 | 11 | SS | 5.4 | 33 | S | 12 | | |
| 554.00 | | | 29 | | | | | | | | |
| 553.00 | | | 30 | | | | | | | | |
| 552.00 | | | 31 | 12 | SS | 6.2 | 38 | S | 10 | | |
| 551.00 | | | 32 | | | | | | | | |
| 550.00 | | | 33 | | | | | | | | |
| 549.00 | | | 34 | | | | | | | | |
| 548.00 | | | 35 | | | | | | | | |
| 547.00 | | | 36 | 13 | SS | --- | 46 | --- | 9 | | |
| 546.00 | | 37 | | | | | | | | | |
| 545.00 | | 38 | | | | | | | | | |
| 544.00 | | 39 | | | | | | | | | |
| 543.00 | | 40 | | | | | | | | | |
| 542.00 | | 41 | 14 | SS | 6.6 | 41 | S | 10 | | | |

Groundwater Data: Static water level after auger removal - Elevation - 565.0.
Comments:

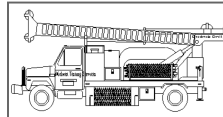
| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| DESIGNED | ATK | | |
| DRAWN | DAL | | |
| REVIEWED | MRL | | |
| APPROVED | ATK | | |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



SOIL BORINGS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 35 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 68 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 3 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

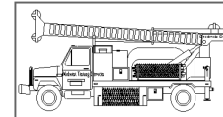
Client: Willett, Hofmann & Associates Inc.
Project Name Sec. No.: 24-00202-00-BR
Project Site: Existing S.N.: 032-3335 Proposed S.N.: 032-3336
F.A.S.- 293 (Rice Rd.) over E. Fork Mazon River
Greenfield Twp., Grundy County, Illinois

Boring No. B-1
Surface Elev. 583.0
Auger Depth 56-Ft. Rotary Depth NA
Start Date 07/12/25 Finish Date 07/12/25

Location: Station: 21+10 16' RT

| (DEPTH) ELEV. | DESCRIPTION OF MATERIALS | Graphic Log | Depth in feet | SAMPLES | | | | | | DRILLED BY | REMARKS | | |
|------------------|--|-------------|---------------|------------|-------------|----------|-----------------|---------------|--------------|------------|-----------------------------------|-------------------|--|
| | | | | Sample No. | Sample Type | Qu (TSF) | N Value (Blows) | Bulge / Shear | Moisture (%) | | | Dry Density (PCF) | |
| 541.00 | | | | | | | | | | | | | |
| 540.00 | Dense Gray Silty Clay Loam Till with Sand Seams | | 43 | | | | | | | | Randy Safranski Diedrich D-120 | | |
| 539.00 | | | 44 | | | | | | | | | | |
| 538.00 | | | 45 | 15 | SS | 5.8 | 40 | S | 10 | | | | |
| 537.00 | | | 46 | | | | | | | | | | |
| 536.00 | Medium Gray Clay with Fine Sand and Coal Fragments | | 47 | | | | | | | | | | |
| 535.00 | | | 48 | | | | | | | | | | |
| 534.00 | | | 49 | | | | | | | | | | |
| 533.00 | | | 50 | 16 | SS | --- | 15 | --- | 22 | | | | |
| 532.00 | Very Dense Gray Shale | | 51 | | | | | | | | | | |
| 531.00 | | | 52 | | | | | | | | | | |
| 530.00 | | | 53 | | | | | | | | | | |
| 529.00 | | | 54 | | | | | | | | | | |
| 528.00 | Auger Refusal (Unconfined Compressive Strength of 75 Ksf) | | 55 | | | | | | | | | | |
| 527.00 | | | 56 | 17 | SS | --- | 75 1" | --- | 8 | | | | |
| 526.00 | | | 57 | | | | | | | | | | |
| 525.00 | | | 58 | | | | | | | | | | |
| 524.00 | | | 59 | | | | | | | | | | |
| 523.00 | | | 60 | | | | | | | | | | |
| 522.00 | | | 61 | | | | | | | | | | |
| 521.00 | | | 62 | | | | | | | | | | |

Groundwater Data: Static water level after auger removal - Elevation - 565.0.
Comments:



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willett, Hofmann & Associates Inc.
Project Name Sec. No.: 24-00202-00-BR
Project Site: Existing S.N.: 032-3335 Proposed S.N.: 032-3336
F.A.S.- 293 (Rice Rd.) over E. Fork Mazon River
Greenfield Twp., Grundy County, Illinois

Boring No. B-2
Surface Elev. 582.5
Auger Depth 53-Ft. Rotary Depth NA
Start Date 07/12/25 Finish Date 07/12/25

Location: Station: 18+90 14' LT

| (DEPTH) ELEV. | DESCRIPTION OF MATERIALS | Graphic Log | Depth in feet | SAMPLES | | | | | | DRILLED BY | REMARKS | |
|------------------|---|-------------|---------------|------------|-------------|----------|-----------------|---------------|--------------|------------|-----------------------------------|-------------------|
| | | | | Sample No. | Sample Type | Qu (TSF) | N Value (Blows) | Bulge / Shear | Moisture (%) | | | Dry Density (PCF) |
| 582.50 | | | | | | | | | | | | |
| 581.50 | Stiff Black and Brownish Gray Clay with Sand Seams (Fill) | | 1 | | | | | | | | Randy Safranski Diedrich D-120 | |
| 580.50 | | | 2 | | | | | | | | | |
| 579.50 | | | 3 | 1 | SS | 1.4 | 10 | B | 18 | | | |
| 578.50 | | | 4 | | | | | | | | | |
| 577.50 | Very Stiff Brownish Gray Silty Clay Loam | | 5 | 2 | SS | 1.6 | 12 | B | 15 | | | |
| 576.50 | | | 6 | | | | | | | | | |
| 575.50 | | | 7 | | | | | | | | | |
| 574.50 | | | 8 | 3 | SS | 1.6 | 12 | B | 16 | | | |
| 573.50 | Very Stiff Brownish Gray Silty Clay Loam Till | | 9 | | | | | | | | | |
| 572.50 | | | 10 | | | | | | | | | |
| 571.50 | | | 11 | 4 | SS | 1.8 | 14 | B | 14 | | | |
| 570.50 | | | 12 | | | | | | | | | |
| 569.50 | Hard Gray Silty Clay Loam Till | | 13 | 5 | SS | 3.5 | 23 | S | 13 | | | |
| 568.50 | | | 14 | | | | | | | | | |
| 567.50 | | | 15 | 6 | SS | 3.1 | 25 | S | 12 | | | |
| 566.50 | | | 16 | | | | | | | | | |
| 565.50 | | | 17 | | | | | | | | | |
| 564.50 | | | 18 | 7 | SS | 3.5 | 23 | S | 12 | | | |
| 563.50 | | | 19 | | | | | | | | | |
| 562.50 | | | 20 | 8 | SS | 4.5 | 28 | S | 10 | | | |

Groundwater Data: Static water level after auger removal - Elevation - 565.0.
Comments:

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

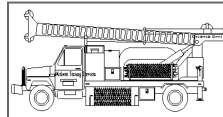
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



WILLETT HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL BORINGS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 36 OF 44 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 69 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



Midwest Testing Services, Inc.

3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 2 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willett, Hofmann & Associates Inc.
Project Name Sec. No.: 24-00202-00-BR
Project Site: Existing S.N.: 032-3335 Proposed S.N.: 032-3336
F.A.S.- 293 (Rice Rd.) over E. Fork Mazon River
Greenfield Twp., Grundy County, Illinois

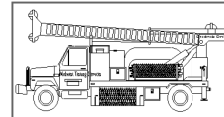
Boring No. B-2
Surface Elev. 582.5
Auger Depth 53-Ft. Rotary Depth NA
Start Date 07/12/25 Finish Date 07/12/25

Location: Station: 18+90 14' LT

| (DEPTH) ELEV. | DESCRIPTION OF MATERIALS | Graphic Log | Depth in feet | SAMPLES | | | | | | DRILLED BY | REMARKS | | |
|------------------|---|----------------|------------------|------------|-------------|----------|-----------------|---------------|--------------|------------|---------|-------------------|--|
| | | | | Sample No. | Sample Type | Qu (TSF) | N Value (Blows) | Bulge / Shear | Moisture (%) | | | Dry Density (PCF) | |
| 561.50 | | | | | | | | | | | | | |
| 560.50 | Hard Gray Silty Clay Loam Till | | 22 | | | | | | | | | | |
| 559.50 | | | 23 | 9 | SS | 4.2 | 25 | S | 13 | | | | |
| 558.50 | | | 24 | | | | | | | | | | |
| 557.50 | Dense Gray Silty Clay Loam Till with Sand Seams | | 25 | 10 | SS | 5.7 | 38 | S | 10 | | | | |
| 556.50 | | | 26 | | | | | | | | | | |
| 555.50 | | | 27 | | | | | | | | | | |
| 554.50 | | | 28 | 11 | SS | 5.3 | 38 | S | 12 | | | | |
| 553.50 | | | 29 | | | | | | | | | | |
| 552.50 | | | 30 | 12 | SS | 6.0 | 41 | S | 12 | | | | |
| 551.50 | | | 31 | | | | | | | | | | |
| 550.50 | | | 32 | | | | | | | | | | |
| 549.50 | | | 33 | | | | | | | | | | |
| 548.50 | | | 34 | | | | | | | | | | |
| 547.50 | Dense Gray Silty Clay Loam Till with Sand Seams | | 35 | 13 | SS | 5.6 | 43 | S | 10 | | | | |
| 546.50 | | | 36 | | | | | | | | | | |
| 545.50 | | | 37 | | | | | | | | | | |
| 544.50 | | | 38 | | | | | | | | | | |
| 543.50 | | | 39 | | | | | | | | | | |
| 542.50 | | | 40 | | | | | | | | | | |
| 541.50 | | | 41 | 14 | SS | 6.8 | 47 | S | 9 | | | | |
| | | | | | | | | | | | | | |

Groundwater Data: Static water level after auger removal - Elevation - 565.0.

Comments:



Midwest Testing Services, Inc.

3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 3 of 3

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willett, Hofmann & Associates Inc.
Project Name Sec. No.: 24-00202-00-BR
Project Site: Existing S.N.: 032-3335 Proposed S.N.: 032-3336
F.A.S.- 293 (Rice Rd.) over E. Fork Mazon River
Greenfield Twp., Grundy County, Illinois

Boring No. B-2
Surface Elev. 582.5
Auger Depth 53-Ft. Rotary Depth NA
Start Date 07/12/25 Finish Date 07/12/25

Location: Station: 18+90 14' LT

| (DEPTH) ELEV. | DESCRIPTION OF MATERIALS | Graphic Log | Depth in feet | SAMPLES | | | | | | DRILLED BY | REMARKS | | |
|------------------|--|----------------|------------------|------------|-------------|----------|-----------------|---------------|--------------|------------|---------|-------------------|--|
| | | | | Sample No. | Sample Type | Qu (TSF) | N Value (Blows) | Bulge / Shear | Moisture (%) | | | Dry Density (PCF) | |
| 540.50 | | | | | | | | | | | | | |
| 539.50 | Dense Gray Silty Clay Loam Till with Sand Seams | | 43 | | | | | | | | | | |
| 538.50 | | | 44 | | | | | | | | | | |
| 537.50 | | | 45 | 15 | SS | 6.4 | 45 | S | 9 | | | | |
| 536.50 | | | 46 | | | | | | | | | | |
| 535.50 | Coal Fragments and Fine Sand | | 47 | | | | | | | | | | |
| 534.50 | | | 48 | | | | | | | | | | |
| 533.50 | | | 49 | | | | | | | | | | |
| 532.50 | Very Dense Gray Shale | | 50 | 16 | SS | --- | 95 | --- | 9 | | | | |
| 531.50 | | | 51 | | | | | | | | | | |
| 530.50 | | | 52 | | | | | | | | | | |
| 529.50 | | | 53 | 16 | SS | --- | 80 1" | --- | 8 | | | | |
| 528.50 | Auger Refusal (Unconfined Compressive Strength of 75 Ksf) | | 54 | | | | | | | | | | |
| 527.50 | | | 55 | | | | | | | | | | |
| 526.50 | | | 56 | | | | | | | | | | |
| 525.50 | | | 57 | | | | | | | | | | |
| 524.50 | | | 58 | | | | | | | | | | |
| 523.50 | | | 59 | | | | | | | | | | |
| 522.50 | | | 60 | | | | | | | | | | |
| 521.50 | | | 61 | | | | | | | | | | |
| 520.50 | | | 62 | | | | | | | | | | |

Groundwater Data: Static water level after auger removal - Elevation - 565.0.

Comments:

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |
| | | | |

| | |
|----------|-----|
| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



WILLET HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL BORINGS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 37 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 70 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

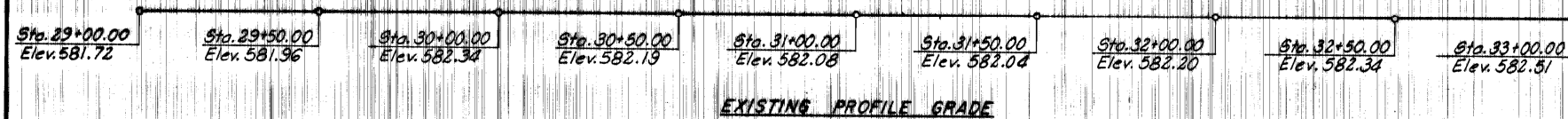
PRINT ORIGINATOR: BM.plt.ctb 2/10/2026 3:44:43 PM - PLOTTED

BENCHMARK: BM-101 square chisel mark in the corner of curb at station 32+83 at 34 feet left Elevation 582.91

* STATE SEC. 76-00027-DIVB
COUNTY SEC. 77-00059-02BR

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. / |
|--------------------------------|---------|--------|----------------------|-----------|--------------|
| F.A.S. 293 | 24 | GRUNDY | 91 | 71 | OF 91 SHEETS |
| FED. ROAD DIST. NO. 1 ILLINOIS | | | FED. AID PROJECT NO. | | |

Within limits of Riprap

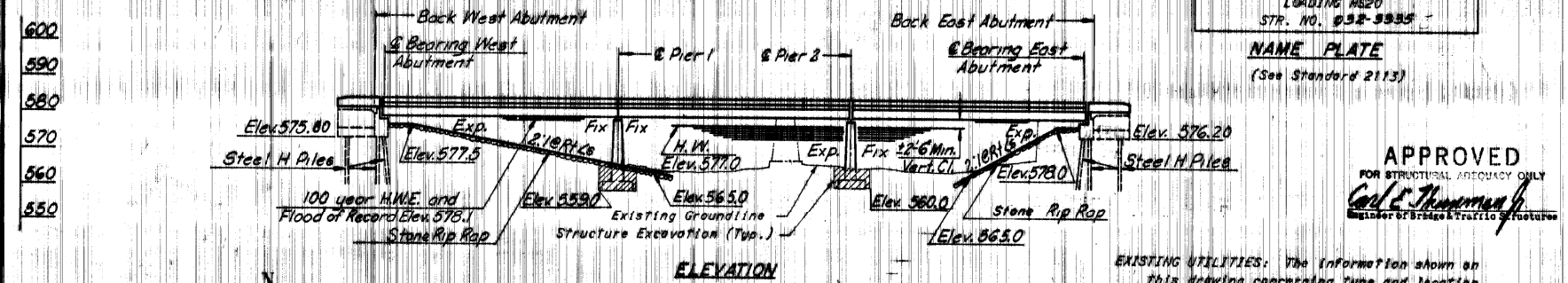


| TOTAL BILL OF MATERIAL | | | | |
|--|----------|---------|-----------|--------|
| ITEM | UNITS | SUBSTR. | SUPERSTR. | TOTAL |
| Bituminous Concrete Surface Course, Mixture D, Class I | Tons | 0 | 53 | 53 |
| Structure Excavation | Cu. Yd. | 483 | 0 | 483 |
| Special Excavation | Cu. Yd. | 404 | 0 | 404 |
| Protective Coat | Sq. Yd. | 0 | 180 | 180 |
| Class A Concrete | Cu. Yd. | 281 | 0 | 281 |
| Class X Concrete | Cu. Yd. | 77 | 74 | 151 |
| Preformed Joint Sealer (2 1/2") | Lin. Ft. | 0 | 129 | 129 |
| Reinforcement Bars | Pounds | 33,680 | 7,590 | 41,270 |
| Furnishing and Erecting Structural Steel | Pounds | 0 | 6,130 | 6,130 |
| Waterproofing Membrane System | Sq. Yd. | 0 | 629 | 629 |
| Test Piles HP 10x42 | Each | 2 | 0 | 2 |
| Furnishing Steel Piles HP 10x42 | Lin. Ft. | 450 | 0 | 450 |
| Driving Steel Piles HP 10x42 | Lin. Ft. | 450 | 0 | 450 |
| Name Plate | Each | 0 | 1 | 1 |
| Precast Prestressed Concrete Deck Beams (27") | Sq. Ft. | 0 | 7,029 | 7,029 |
| Pedestrian Railing | Lin. Ft. | 0 | 218 | 218 |
| Removal of Existing Structure | Each | - | - | 1 |
| Stone Riprap | Sq. Yd. | 1,411 | 0 | 1,411 |
| Engineer's Field Office | Each | - | - | 1 |
| Portland Cement Mortar Fairing Course | Lin. Ft. | 0 | 1,963 | 1,963 |
| Slope Backfill | Cu. Yd. | 622 | 0 | 622 |

STATION 30+67.5
EAST FORK MAZON RIVER
BUILT 197
F.A.S. RT. 293 SEC. 76-00027-01BR
P. A. PROJ. S.
LOADING HS20
STR. NO. 032-3336

NAME PLATE
(See Standard 2113)

APPROVED
FOR STRUCTURAL AGENCY ONLY
Leslie J. Fossan
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS



EXISTING UTILITIES: The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto.

DESIGN SPECIFICATIONS: American Association of State Highway and Transportation Officials Standard Specifications for Highway Bridges, 1973 with latest approved revisions.

DESIGN LOADING: Design loads are calculated dead load of structure, 25 pounds per square foot for future wearing surface, AASHTO HS20-44 live load, and loads as prescribed by AASHTO.

UNIT STRESSES:

- Precast Prestressed Concrete Deck Beams
 - f'c = 5,000 psi
 - f's = 4,000 psi
 - f's = 270,000 psi
 - f's = 189,000 psi
 - f's = 24,000 psi
- Cast-in-Place Concrete
 - f'c = 3,500 psi
 - f's = 20,000 psi, h=9
- Structural Steel
 - f'c = 36,000 psi (M183)
 - f's = 9,000 psi
- Steel Piles
 - f's = 9,000 psi

STRUCTURAL STEEL: Angles, bars, structural tees, and studs in expansion joints shall be included for payment "Furnishing and Erecting Structural Steel." Angles, bars, and structural tees shall conform to AASHTO designation M183. Calculated weight of structural steel = 6,130 pounds.

TEST PILING: The Contractor shall drive two steel test piles in a permanent location, one at each abutment as directed by the Engineer, before ordering the remainder of the piles.

CONCRETE BARRIER: The concrete parapet section above the mandatory construction joint at the top of the deck beams shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

DECK BEAMS: The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

GENERAL NOTES

PAINTING: All structural steel shall be shop painted with two coats of basic lead silico chromate paint.

PROTECTIVE COAT: Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

REINFORCEMENT BARS: Reinforcement bars shall have a clear cover of 1 1/2" to the surface of concrete unless shown otherwise on the plans. All reinforcement bars shall conform to AASHTO M31 grade 60 or M53 grade 60.

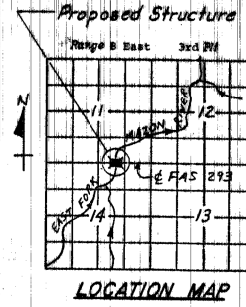
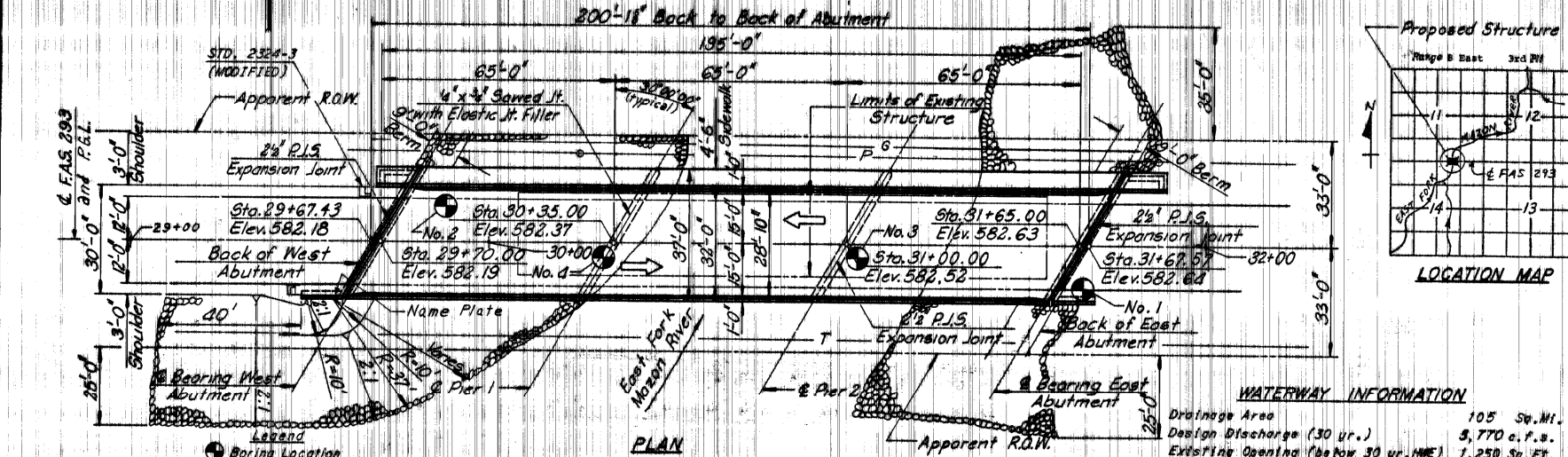
CONCRETE CHAMFERS: All exposed concrete corners, except on deck beams, shall have 1/2 inch chamfers unless shown otherwise on the plans.

DIMENSIONS: All dimensions are at 50'.

EXISTING STRUCTURE: The removal of the existing 2-span pony truss bridge (18'x14') with its supporting substructure could begin as soon as the old bridge is closed to traffic. The approach roadway on each side of the bridge shall be barricaded with the standard Type III barricade.

The pier and abutments shall be completely removed to bedrock. All pony truss, deck, beams, pier and abutment materials are to become the property of the Contractor, and shall be disposed of by the Contractor away from the site.

Removal of the pony truss, deck, beams, and supporting substructure and all incidentals will be paid for at the contract unit price each for REMOVAL OF EXISTING STRUCTURE. The salvage value of the materials removed by the Contractor shall be reflected in the price bid for this item.



WATERWAY INFORMATION

| | |
|---|---------------|
| Drainage Area | 105 Sq. Mi. |
| Design Discharge (30 yr.) | 3,770 c.f.s. |
| Existing Opening (below 30 yr. H.M.E.) | 7,250 Sq. Ft. |
| Required Opening (below 30 yr. H.M.E.) | 1,430 Sq. Ft. |
| Proposed Opening (below 30 yr. H.M.E.) | 1,430 Sq. Ft. |
| Created Head for Design Flood | -- |
| 100 Year Discharge | 7,820 c.f.s. |
| Created Head for 100 Yr. Flood | -- |
| Flood of Record - Discharge: Unknown; Date: Unknown | |

I hereby certify that this plan and specification was prepared by me or under my direct personal supervision and that I am a duly registered Structural Engineer under the laws of the State of Illinois.

Signed *Leslie J. Fossan* Date 3-11-77
Leslie J. Fossan, S.E. Illinois Reg. No. 61-3789



HOWARD, NEUBER, TAMMANN, & BERENSON
CONSULTING ENGINEERS
CHICAGO
HNTB
MADE 85B, DATE 3-9-77 CHECKED CGL, DATE 3-22-77

GENERAL PLAN & ELEVATION

F.A.S. 293 OVER EAST FORK
MAZON RIVER
GRUNDY COUNTY
STATION 30+67.5
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FILE = S:\PROJECTS\2024\1464024_GRC\DESIGN\CAD_SHEETS\1464024_Existing_Plans.dgn

| REVISION | DATE | BY | REMARKS | DESIGNED | ATK |
|----------|------|----|---------|----------|-----|
| | | | | DRAWN | DAL |
| | | | | REVIEWED | MRL |
| | | | | APPROVED | ATK |

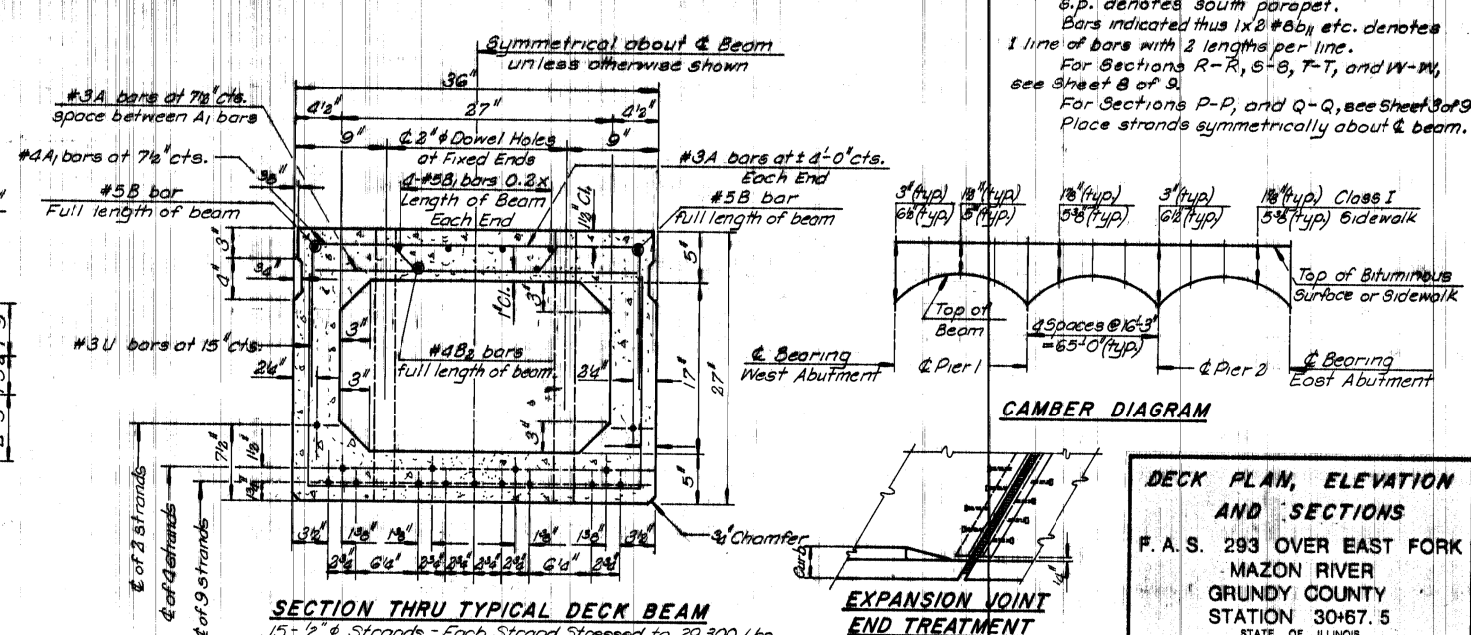
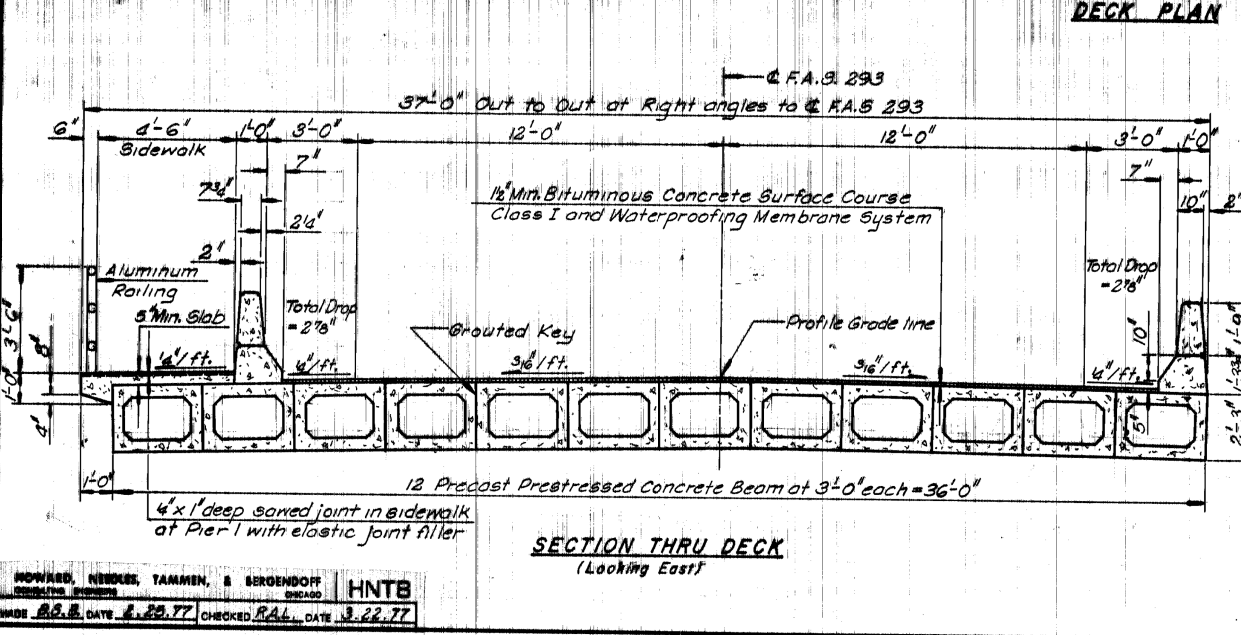
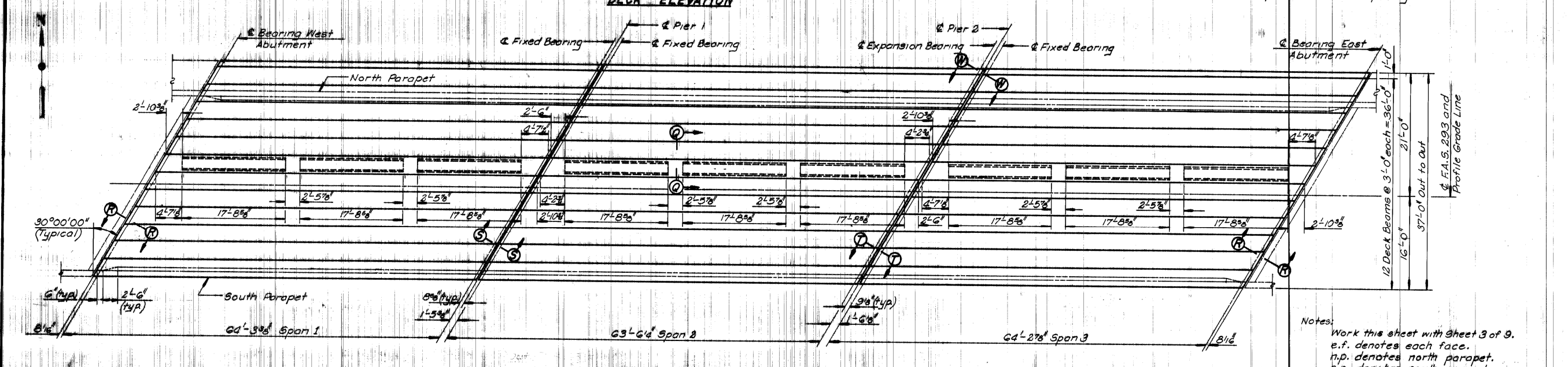
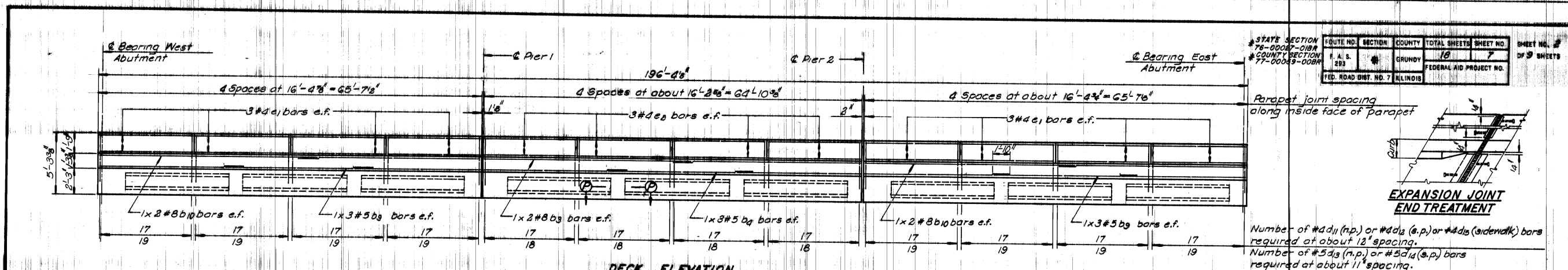
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



EXISTING PLANS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 38 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 71 |
| CONTRACT# 87893 | | | WHA* 1464024 | |
| ILLINOIS | | | | |

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STATE SECTION 76-0007-01BR
COUNTY SECTION 77-0003-00BR
ROUTE NO. 293
COUNTY GRUNDY
FED. ROAD DIST. NO. 7
ILLINOIS
TOTAL SHEETS 91
SHEET NO. 7
FEDERAL AID PROJECT NO.

Parapet joint spacing along inside face of parapet

EXPANSION JOINT END TREATMENT

Number of #4d11 (n.p.) or #4d12 (s.p.) or #4d12 (sidewalk) bars required at about 12" spacing.
Number of #5d13 (n.p.) or #5d14 (s.p.) bars required at about 11" spacing.

Notes:

Work this sheet with Sheet 3 of 9.
e.f. denotes each face.
n.p. denotes north parapet.
s.p. denotes south parapet.
Bars indicated thus 1x2#8b3, etc. denotes 1 line of bars with 2 lengths per line.
For Sections R-R, S-S, T-T, and W-W, see Sheet 8 of 9.
For Sections P-P, and Q-Q, see Sheet 9 of 9.
Place strands symmetrically about & beam.

DECK PLAN, ELEVATION AND SECTIONS
F.A.S. 293 OVER EAST FORK MAZON RIVER
GRUNDY COUNTY
STATION 30+67.5
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
| | | | |
| | | | |

DESIGNED ATK
DRAWN DAL
REVIEWED MRL
APPROVED ATK

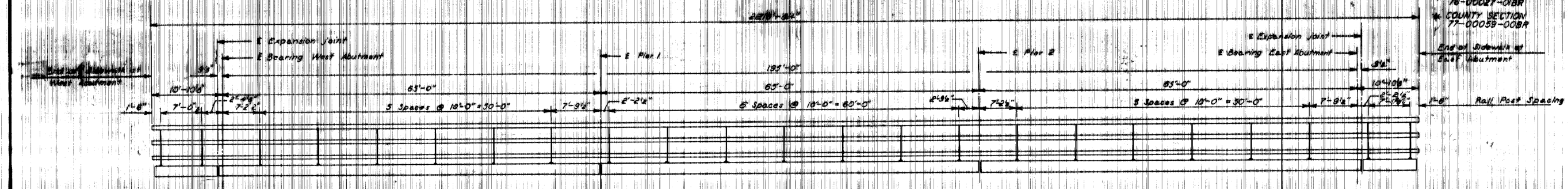
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



EXISTING PLANS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 39 OF 46 SHEETS

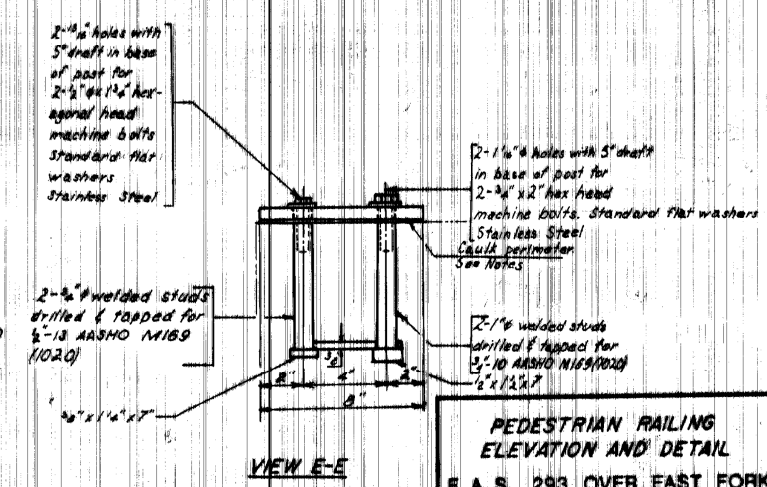
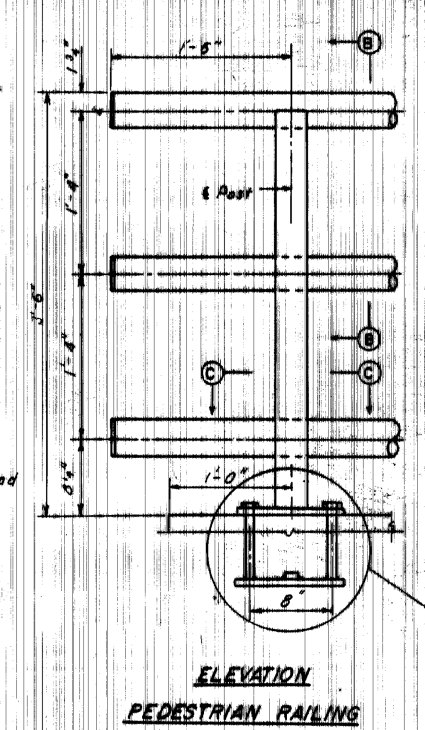
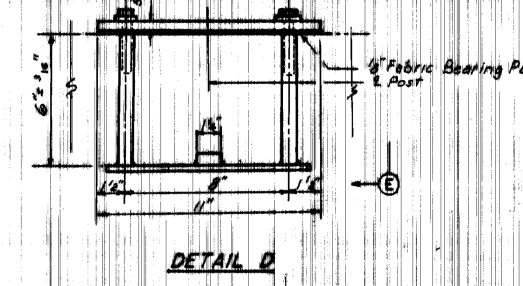
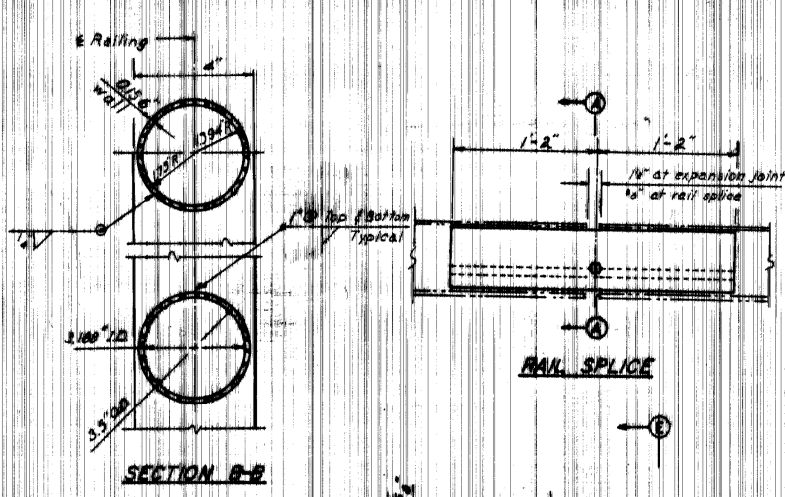
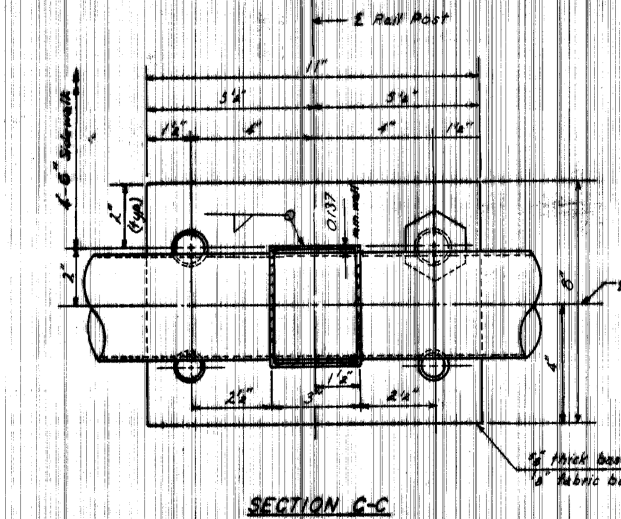
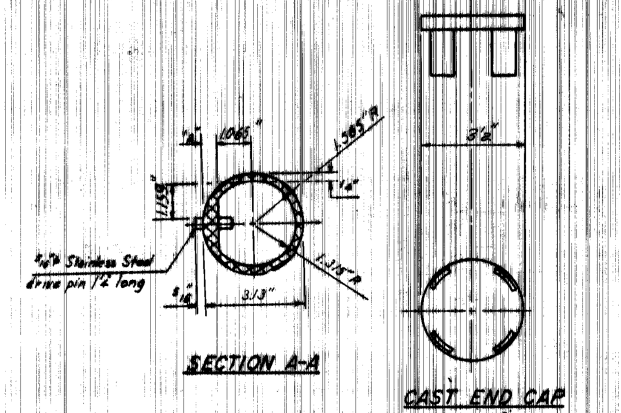
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 72 |
| CONTRACT# 87893 | | | WHA* 1464024 | |
| ILLINOIS | | | | |

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. OF SHEETS |
|---------------------|----------------|-------------------------|--------------|-----------|---------------------|
| F. A. S. 293 | 24-00202-00-BR | GRUNDY | 91 | 9 | 9 |
| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJECT NO. | | | |
| 11 | ILLINOIS | | | | |



PEDESTRIAN RAILING ELEVATION

Notes:
 All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of two posts.
 Pedestrian rail posts shall be normal to slab with respect to grade and vertical with respect to cross slope.
 All joints in rail shall be spliced per detail.
 Provide 1/4" and 2/4" Aluminum Shims for 25% of the Posts.
 Rail element shall be parallel to Grade-high spots shall be ground and low spots shimmed.
 Seal perimeter of base of post to sidewalk with two component non-staining gray sealing compound with polyulfide liquid polymers, gun grade with primer. Fabric Bearing Pad shall have same dimensions as base of post.
 All railing and posts are Aluminum alloy and shall conform to ASTM B221 alloy 6061-T6 or 6063-T5 with minimum yield 35 ksi, minimum tensile 38 ksi and elongation of 10% in two inches.
 Cast End Cap is of a Drive Fit Type and 6 are required. Aluminum for Pedestrian Railing shall have filler alloys 4043 or 5554.
 Stainless steel machine bolts or cap screws shall be in accordance with Article 710.37(a) of the Standard Specifications except Grade 88 or B9M may be furnished.



PEDESTRIAN RAILING ELEVATION AND DETAIL
 F. A. S. 293 OVER EAST FORK MAZON RIVER GRUNDY COUNTY STATION 30+67.5
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

HOWARD, WEBER, TAMM, & BERENDSON
 ENGINEERS ARCHITECTS
 100 W. W. DAY, 2-22-77 CHECKED C.G. DATE 7-22-77

HNTB

| REVISION | DATE | BY | REMARKS |
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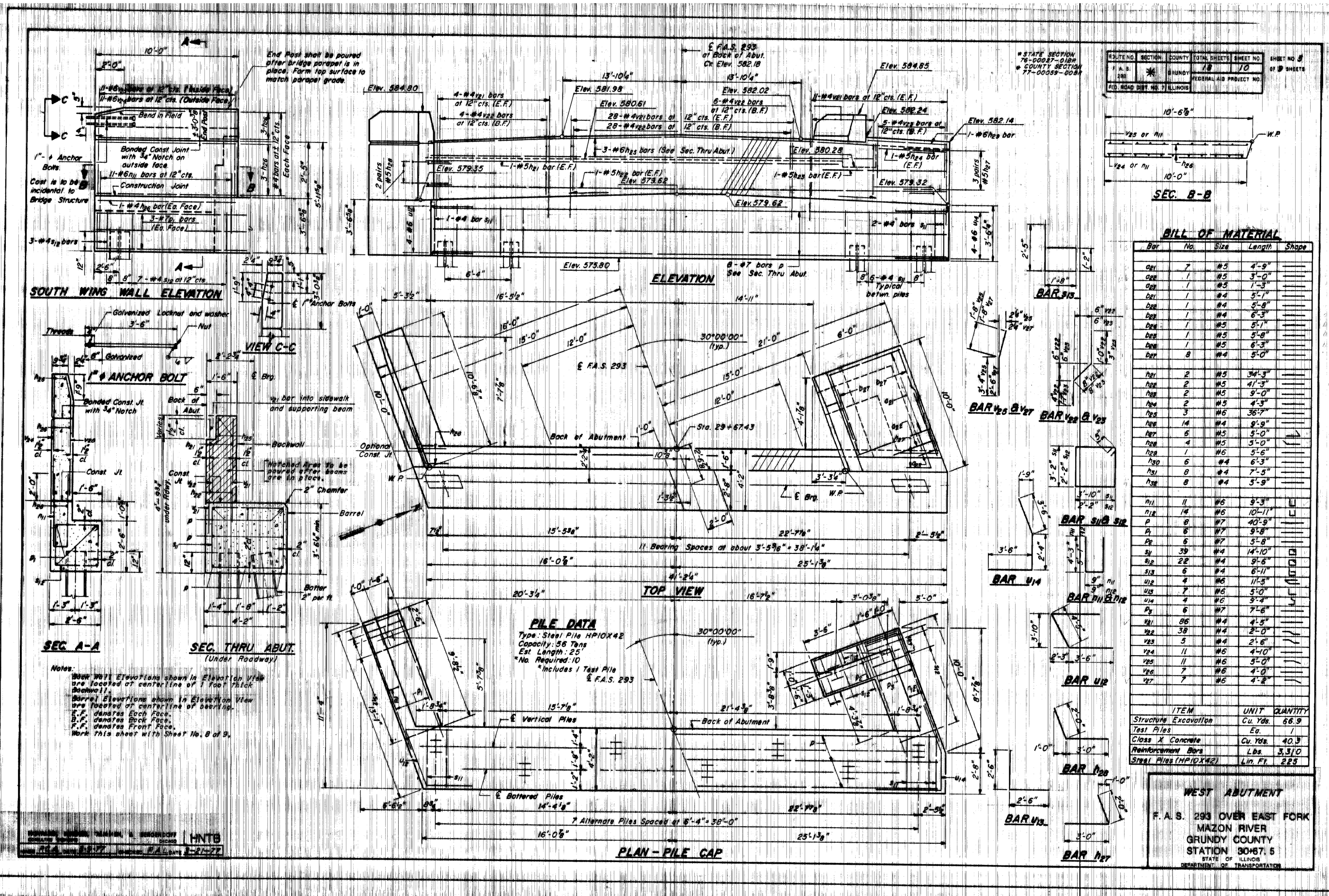
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| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026

WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

EXISTING PLANS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 41 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 74 |
| CONTRACT # 87893 | | | WHA* 1464024 | |
| ILLINOIS | | | | |



| | | | | | |
|-------------------------|---------|--------|--------------|-----------|---------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. OF SHEETS |
| 293 | 24 | GRUNDY | 91 | 42 | 91 |
| FEDERAL AID PROJECT NO. | | | | | |
| CONTRACT NO. 87893 | | | | | |

BILL OF MATERIAL

| Bar No. | Size | Length | Shape |
|---------|------|---------|-------|
| 001 | #5 | 4'-9" | — |
| 002 | #5 | 3'-0" | — |
| 003 | #5 | 1'-3" | — |
| 004 | #4 | 5'-1" | — |
| 005 | #4 | 5'-8" | — |
| 006 | #4 | 6'-3" | — |
| 007 | #5 | 5'-7" | — |
| 008 | #5 | 5'-8" | — |
| 009 | #5 | 6'-3" | — |
| 010 | #4 | 5'-0" | — |
| 011 | #5 | 34'-3" | — |
| 012 | #5 | 41'-3" | — |
| 013 | #5 | 9'-0" | — |
| 014 | #5 | 4'-3" | — |
| 015 | #6 | 36'-7" | — |
| 016 | #4 | 8'-9" | — |
| 017 | #5 | 5'-0" | — |
| 018 | #5 | 5'-0" | — |
| 019 | #6 | 5'-6" | — |
| 020 | #4 | 6'-3" | — |
| 021 | #4 | 7'-5" | — |
| 022 | #4 | 5'-9" | — |
| 023 | #6 | 9'-3" | — |
| 024 | #6 | 11'-3" | — |
| 025 | #6 | 5'-0" | — |
| 026 | #6 | 5'-4" | — |
| 027 | #7 | 5'-8" | — |
| 028 | #6 | 14'-10" | — |
| 029 | #4 | 9'-6" | — |
| 030 | #4 | 6'-11" | — |
| 031 | #6 | 11'-5" | — |
| 032 | #6 | 5'-0" | — |
| 033 | #6 | 5'-4" | — |
| 034 | #7 | 7'-6" | — |
| 035 | #6 | 4'-5" | — |
| 036 | #4 | 2'-0" | — |
| 037 | #4 | 2'-6" | — |
| 038 | #6 | 4'-10" | — |
| 039 | #6 | 5'-0" | — |
| 040 | #6 | 4'-0" | — |
| 041 | #6 | 4'-2" | — |

| ITEM | UNIT | QUANTITY |
|-----------------------|----------|----------|
| Structure Excavation | Cu. Yds. | 66.9 |
| Test Piles | Eq. | 1 |
| Class X Concrete | Cu. Yds. | 40.3 |
| Reinforcement Bars | Lbs. | 3,310 |
| Steel Piles (HP10X42) | Lin. Ft. | 225 |

WEST ABUTMENT
 F.A.S. 293 OVER EAST FORK
 MAZON RIVER
 GRUNDY COUNTY
 STATION 80+67.5
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

Notes:
 1. View Wall Elevations shown in Elevation View are located at centerline of 1 foot thick Backwall.
 2. Barrel Elevations shown in Elevation View are located at centerline of bearing.
 3. E.F. denotes Each Face.
 4. B.F. denotes Back Face.
 5. F.F. denotes Front Face.
 6. Work this sheet with Sheet No. 8 of 9.

PILE DATA
 Type: Steel Pile HP10X42
 Capacity: 56 Tons
 Est. Length: 25'
 No. Required: 10
 *Includes 1 Test Pile
 & F.A.S. 293

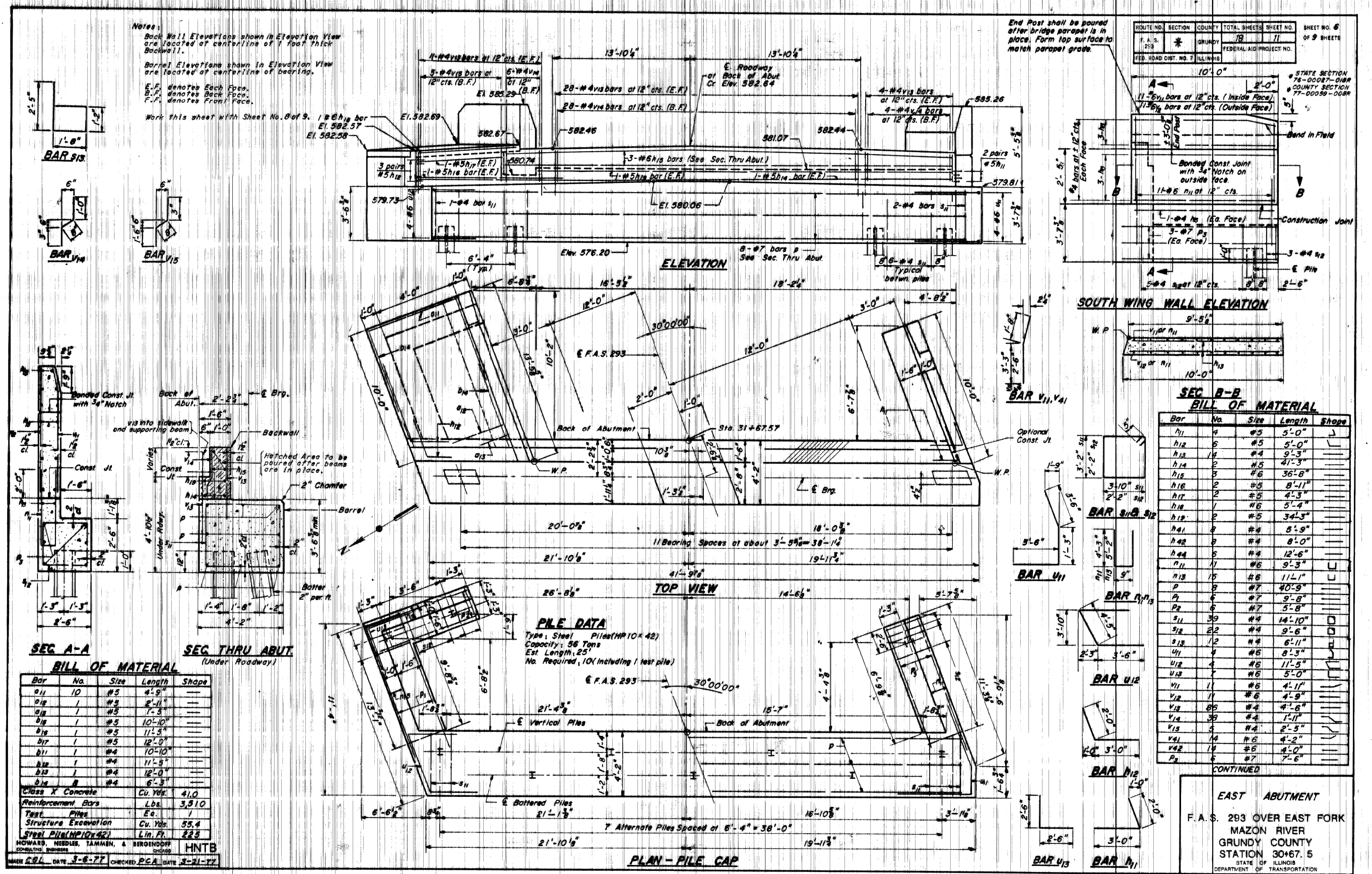
| REVISION | DATE | BY | REMARKS |
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GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



EXISTING PLANS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 42 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 75 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



SEC A-A BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------|----------|------|---------|-------|
| a11 | 10 | #5 | 4'-9" | — |
| a12 | 1 | #5 | 2'-11" | — |
| a13 | 1 | #5 | 1'-3" | — |
| b18 | 1 | #5 | 10'-10" | — |
| b15 | 1 | #5 | 11'-3" | — |
| b17 | 1 | #5 | 12'-0" | — |
| b11 | 1 | #4 | 10'-10" | — |
| b12 | 1 | #4 | 11'-5" | — |
| b13 | 1 | #4 | 12'-0" | — |
| b14 | 2 | #4 | 6'-3" | — |
| Class X Concrete | Cu. Yds. | | 41.0 | |
| Reinforcement Bars | Lbs. | | 3,910 | |
| Test Piles | Eq. | | 1 | |
| Structure Excavation | Cu. Yds. | | 55.4 | |
| Steel Pile (HP10x42) | Lin. Ft. | | 225 | |

HOWARD, NEEDLES, TAMMEN, & BERGENDORFF
CONSULTING ENGINEERS
HNTB

MADE CBL DATE 3-6-77 CHECKED PCA DATE 3-21-77

PILE DATA
 Type: Steel Piles (HP10x42)
 Capacity: 56 Tons
 Est. Length: 25'
 No. Required: 10 (including 1 test pile)

SEC B-B BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|-----|-----|------|---------|-------|
| n11 | 4 | #5 | 5'-0" | J |
| n12 | 6 | #5 | 5'-0" | J |
| n13 | 14 | #4 | 9'-3" | — |
| n14 | 2 | #5 | 4'-3" | — |
| n15 | 3 | #6 | 36'-8" | — |
| n16 | 2 | #5 | 8'-11" | — |
| n17 | 2 | #5 | 4'-3" | — |
| n18 | 1 | #6 | 5'-4" | — |
| n19 | 2 | #5 | 34'-3" | — |
| n41 | 2 | #4 | 5'-9" | — |
| n42 | 2 | #4 | 8'-0" | — |
| n44 | 5 | #4 | 12'-6" | — |
| n11 | 1 | #6 | 9'-3" | — |
| n13 | 15 | #6 | 11'-1" | U |
| p | 8 | #7 | 40'-9" | — |
| p1 | 6 | #7 | 9'-8" | — |
| p2 | 6 | #7 | 5'-8" | — |
| s11 | 39 | #4 | 14'-10" | — |
| s12 | 22 | #4 | 9'-6" | — |
| s13 | 12 | #4 | 6'-11" | — |
| u11 | 4 | #6 | 8'-3" | — |
| u12 | 4 | #6 | 11'-5" | — |
| u13 | 7 | #6 | 5'-0" | — |
| v11 | 11 | #6 | 4'-11" | — |
| v12 | 11 | #6 | 4'-9" | — |
| v13 | 85 | #4 | 4'-6" | — |
| v14 | 38 | #4 | 1'-11" | — |
| v15 | 5 | #4 | 2'-5" | — |
| v41 | 14 | #6 | 4'-2" | — |
| v42 | 14 | #6 | 4'-0" | — |
| p3 | 6 | #7 | 7'-6" | — |

CONTINUED

EAST ABUTMENT
 F.A.S. 293 OVER EAST FORK
 MAZON RIVER
 GRUNDY COUNTY
 STATION 30+67.5
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| REVISION | DATE | BY | REMARKS |
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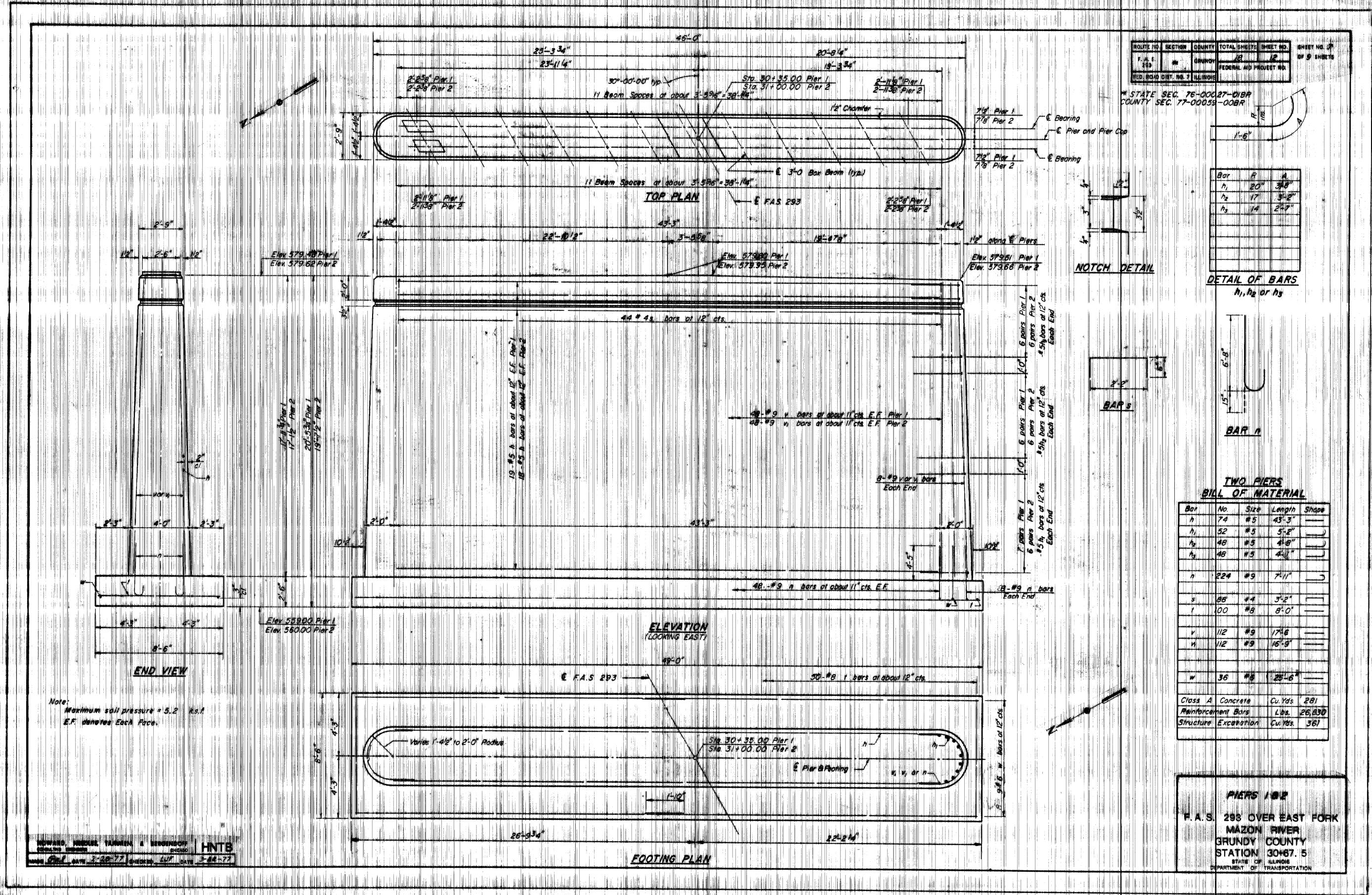
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| DESIGNED | ATK |
| DRAWN | DAL |
| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



EXISTING PLANS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 43 OF 46 SHEETS

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------|----------------|--------|--------------|-----------|
| 293 | 24-00202-00-BR | GRUNDY | 91 | 76 |
| CONTRACT# 87893 | | | WHA# 1464024 | |
| ILLINOIS | | | | |



| | | | | | |
|--------------------------------|---------|--------|-------------------------|-----------|-----------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. OF 9 SHEETS |
| F.A.S. 293 | | GRUNDY | 9 | 44 | 77 |
| FED. ROAD DIST. NO. 7 ILLINOIS | | | FEDERAL AID PROJECT NO. | | |

* STATE SEC. 75-00027-01BR
COUNTY SEC. 77-00059-00BR

| Bar | F | A |
|-------|-----|-----|
| h_1 | 20" | 3#8 |
| h_2 | 17" | 3#8 |
| h_3 | 14" | 2#7 |

DETAIL OF BARS
 h_1, h_2 or h_3



BAR h

TWO PIERS
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| h | 74 | #5 | 43'-3" | U |
| h_1 | 52 | #5 | 5'-2" | U |
| h_2 | 48 | #5 | 4'-8" | U |
| h_3 | 48 | #5 | 4'-4" | U |
| n | 224 | #9 | 7'-11" | U |
| s | 88 | #4 | 3'-2" | U |
| t | 00 | #8 | 8'-0" | U |
| v | 112 | #9 | 17'-6" | U |
| w | 112 | #9 | 16'-9" | U |
| x | 36 | #8 | 25'-6" | U |

| | | |
|----------------------|----------|--------|
| Class A Concrete | Cu. Yds | 281 |
| Reinforcement Bars | Lbs. | 26,830 |
| Structure Excavation | Cu. Yds. | 361 |

PIERS 1 & 2
F.A.S. 293 OVER EAST FORK
MAZON RIVER
GRUNDY COUNTY
STATION 30+67.5
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Note:
Maximum soil pressure = 5.2 ksf
E.F. denotes Each Face.

HNTB
HARRIS, NICHOLS, TAYLOR & BENDERSON
ENGINEERING ARCHITECTURE LAND SURVEYING
300 EAST 2ND STREET, DIXON, ILL. 61021-0367
TEL: 815-284-3381 DESIGN FIRM: #184-000918

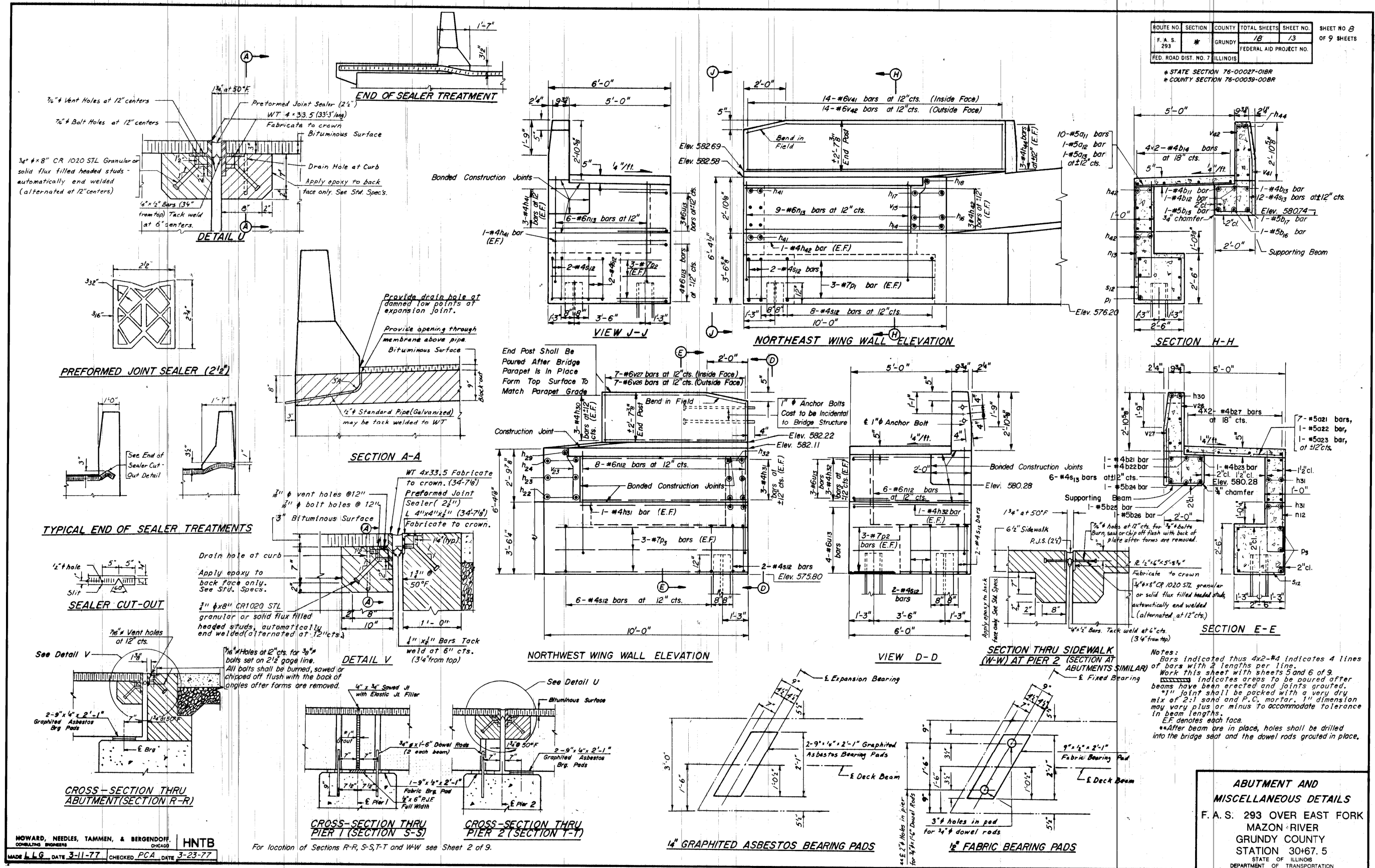
| REVISION | DATE | BY | REMARKS | DESIGNED | ATK |
|----------|------|----|---------|----------|-----|
| | | | | DRAWN | DAL |
| | | | | REVIEWED | MRL |
| | | | | APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EXISTING PLANS
STRUCTURE NO. 032-3336
STRUCTURAL SHEET 44 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 77 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



| | | | | | |
|-----------------------|----------|-------------------------|--------------|-----------|-------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 3 OF 9 SHEETS |
| F.A.S. 293 | # | GRUNDY | 18 | 13 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FEDERAL AID PROJECT NO. | | | |

* STATE SECTION 76-00027-01BR
 * COUNTY SECTION 76-00059-00BR

HOWARD, NEEDLES, TAMMEN, & BERGENDOFF, CONSULTING ENGINEERS, CHICAGO
 HNTB
 MADE L.L.G. DATE 3-11-77 CHECKED PCA DATE 3-23-77

For location of Sections R-R, S-S, T-T and W-W see Sheet 2 of 9.

GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026

WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

EXISTING PLANS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 45 OF 46 SHEETS

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 78 |
| CONTRACT# 87893 | | WHA# 1464024 | | |
| ILLINOIS | | | | |

BRIDGE FOUNDATION BORING LOG

PROJECT: BRIDGE F.A.S. ROUTE 293 OVER E. FORK OF MAZON RIVER Date: 8-23-76
 ROUTE: F.A.S. 293 Bored By: F. PICKARD
 SEC: STA 30+67.5 Checked By: W. BECK
 COUNTY: GRUNDY

| Station | Qu | w | Surface Water El. After Hours | Groundwater El. of Completion | Qu | w |
|---|----|----|-------------------------------|-------------------------------|-----|----|
| Ground Surface 579.7 | 0 | | | | | |
| LOOSE BLACK CINDERS AND SILTY CLAY LOAM | 7 | 9 | | | 86 | 9 |
| 575.2 | | | | | 84 | 11 |
| STIFF BLACK SILTY CLAY LOAM | 6 | 17 | | | | |
| 573.2 | | | | | | |
| VERY STIFF BLACK SILTY CLAY LOAM | 12 | 18 | | | 68 | 8 |
| 568.2 | | | | | 48 | 12 |
| STIFF LIGHT BROWN SANDY CLAY LOAM TILL | 7 | 11 | | | 43 | 14 |
| 565.7 | | | | | | |
| HARD BROWNISH GRAY TO GRAY SILTY CLAY LOAM TILL | 25 | 12 | | | 85 | 16 |
| 560.7 | | | | | 100 | 14 |
| DENSE GRAY GRAVELLY LOAM TILL | 28 | 8 | | | 40 | 13 |
| 558.2 | | | | | | |
| HARD BROWNISH GRAY SILTY CLAY LOAM TILL | | | | | | |

BRIDGE FOUNDATION BORING LOG

PROJECT: BRIDGE F.A.S. ROUTE 293 OVER E. FORK OF MAZON RIVER Date: 10-25-76
 ROUTE: F.A.S. 293 Bored By: F. PICKARD
 SEC: STA 30+67.5 Checked By: W. BECK
 COUNTY: GRUNDY

| Station | Qu | w | Surface Water El. After Hours | Groundwater El. of Completion | Qu | w |
|---|----|----|-------------------------------|-------------------------------|----|---|
| Ground Surface 566.0 | 0 | | | | | |
| DENSE GRAY FINE TO COARSE SAND | 40 | 22 | | | | |
| 561.0 | | | | | | |
| HARD GRAY SILTY CLAY TILL | 47 | 18 | | | | |
| 559.0 | | | | | | |
| HARD GRAY SILTY CLAY TILL | 50 | 13 | | | | |
| 553.5 | | | | | | |
| DENSE TO VERY DENSE GRAY SILTY LOAM TILL (FINE SAND SEEMS AND LS FRAGMENTS) | 68 | 14 | | | | |
| 550.0 | | | | | | |
| VERY DENSE GRAY FINE SAND | 60 | 18 | | | | |
| 548.5 | | | | | | |
| HARD GRAY CLAY TILL | 63 | 17 | | | | |

HOWARD, NEEDLES, TAMMEN, & BERGENDOFF CONSULTING ENGINEERS
 MADE G.D.J. DATE 11.15.76 CHECKED RAL DATE 3-25-77

BRIDGE FOUNDATION BORING LOG

PROJECT: BRIDGE F.A.S. ROUTE 293 OVER E. FORK OF MAZON RIVER Date: 10-27-76
 ROUTE: F.A.S. 293 Bored By: F. PICKARD
 SEC: STA 30+67.5 Checked By: W. BECK
 COUNTY: GRUNDY

| Station | Qu | w | Surface Water El. After Hours | Groundwater El. of Completion | Qu | w |
|---------------------------------|-----|----|-------------------------------|-------------------------------|-----|----|
| Ground Surface 566.3 | 0 | | | | | |
| VERY SOFT GRAY MUCK | | | | | 140 | 13 |
| 564.3 | | | | | | |
| VERY STIFF GRAY SILTY CLAY TILL | 60 | 13 | | | | |
| 559.8 | | | | | | |
| VERY DENSE GRAY SILTY LOAM TILL | 104 | 13 | | | 60 | 25 |
| 550.8 | | | | | | |
| VERY DENSE GRAY FINE SAND | 34 | 19 | | | | |
| 544.8 | | | | | | |

BRIDGE FOUNDATION BORING LOG

PROJECT: BRIDGE F.A.S. ROUTE 293 OVER E. FORK OF MAZON RIVER Date: 8-18-76
 ROUTE: F.A.S. 293 Bored By: F. PICKARD
 SEC: STA 30+67.5 Checked By: W. BECK
 COUNTY: GRUNDY

| Station | Qu | w | Surface Water El. After Hours | Groundwater El. of Completion | Qu | w |
|---|----|----|-------------------------------|-------------------------------|-----|----|
| Ground Surface 581.4 | 0 | | | | | |
| STIFF BLACK SILTY CLAY LOAM AND CLAY LOAM | 6 | 23 | | | 112 | 6 |
| 576.4 | | | | | 43 | 15 |
| DENSE GRAY LOAM TILL | 4 | 14 | | | | |
| 571.9 | | | | | 47 | 10 |
| HARD BROWN SILTY CLAY LOAM TILL | 39 | 12 | | | 100 | 7 |
| 564.4 | | | | | | |
| HARD BROWNISH GRAY TO GRAY SILTY CLAY LOAM TILL | 36 | 10 | | | | |
| 559.4 | | | | | | |
| DENSE GRAY LOAM TILL | 36 | 11 | | | | |

| | | | | | |
|-----------------------|----------|----------------------|--------------|-----------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 9 |
| F.A.S. 293 | * | GRUNDY | 18 | 14 | OF 9 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT NO. | | | |

STATE SEC: 76-00027-01BR
 COUNTY SEC: 77-00059-00BR

N-Standard Penetration Test- Blows per foot to drive a 2" O.D. Split Spoon Sampler 12" with 140 lb. hammer falling 30"

Qu-Unconfined Compressive Strength- 1/2sf
 w - Water Content- percentage of oven dry weight - %

Type Failure:
 B - Bulge Failure
 S - Shear Failure
 E - Estimated Value

NOTE: Subsurface information shown on this drawing was obtained solely for use in establishing design controls for the project. The accuracy of this information is not guaranteed and it is not to be construed as part of the plans governing construction of the project.

BORING DATA
 F.A.S. 293 OVER EAST FORK MAZON RIVER
 GRUNDY COUNTY
 STATION 30+67.5
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| REVISION | DATE | BY | REMARKS |
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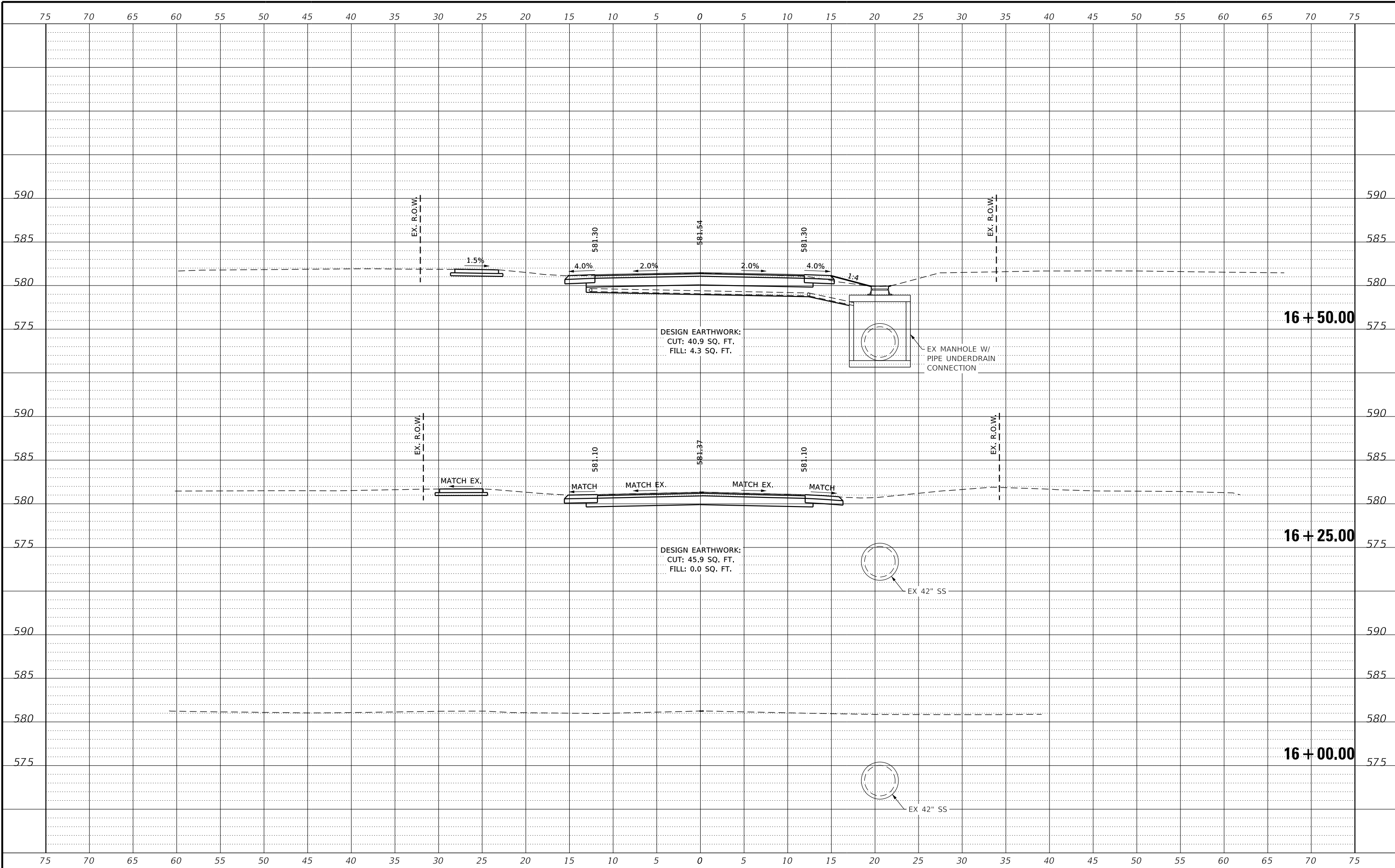
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| DESIGNED | ATK |
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| REVIEWED | MRL |
| APPROVED | ATK |

GRUNDY COUNTY HIGHWAY DEPARTMENT
 F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
 2026



EXISTING PLANS
 STRUCTURE NO. 032-3336
 STRUCTURAL SHEET 46 OF 46 SHEETS

| | | | | |
|-----------------|----------------|----------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 79 |
| CONTRACT# 87893 | WHA# 1464D24 | ILLINOIS | | |



| REVISION | DATE | BY | REMARKS |
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| APPROVED | XXX |

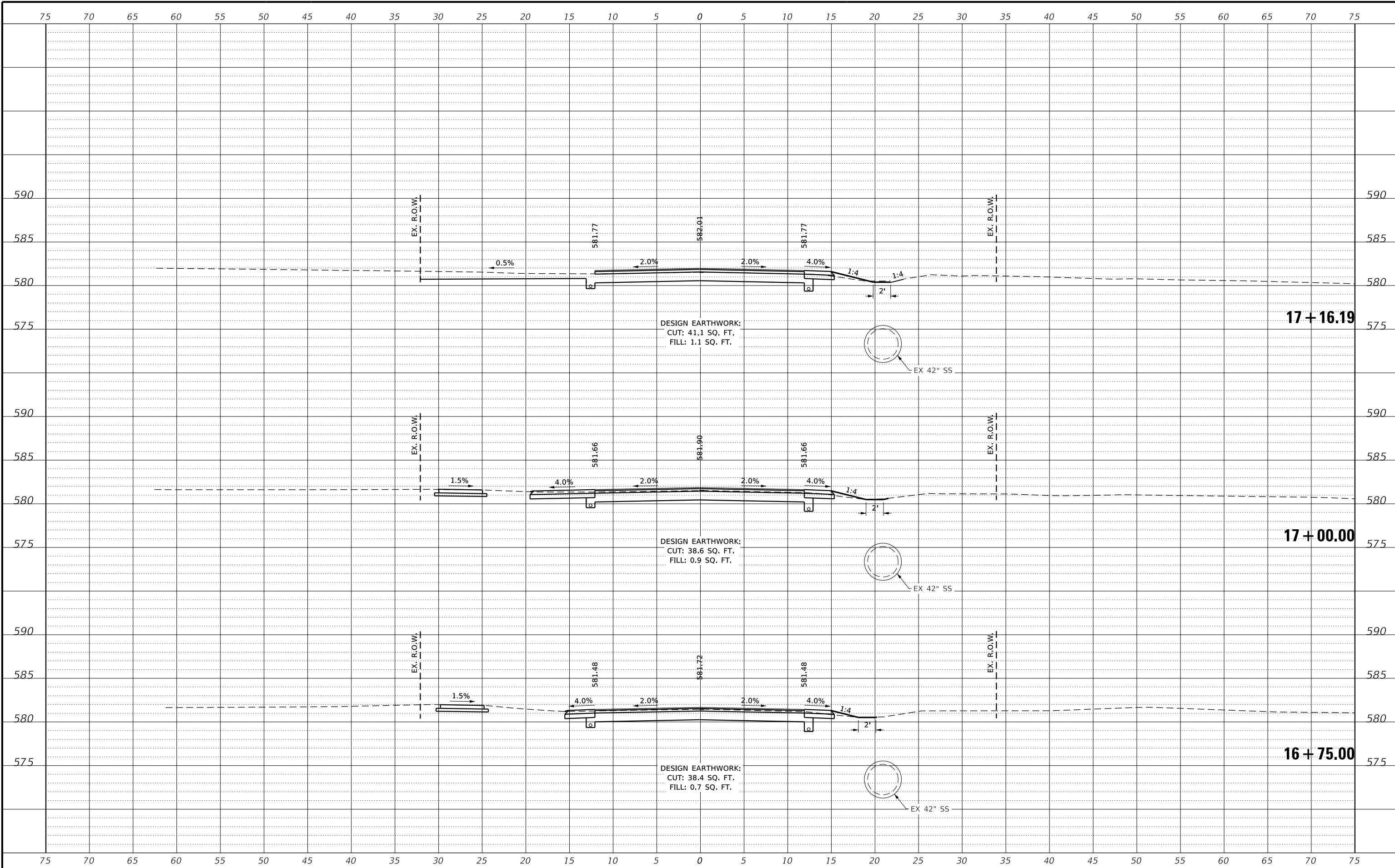
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 15+00.00 - 16+00.00

SHEET 1 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 80 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



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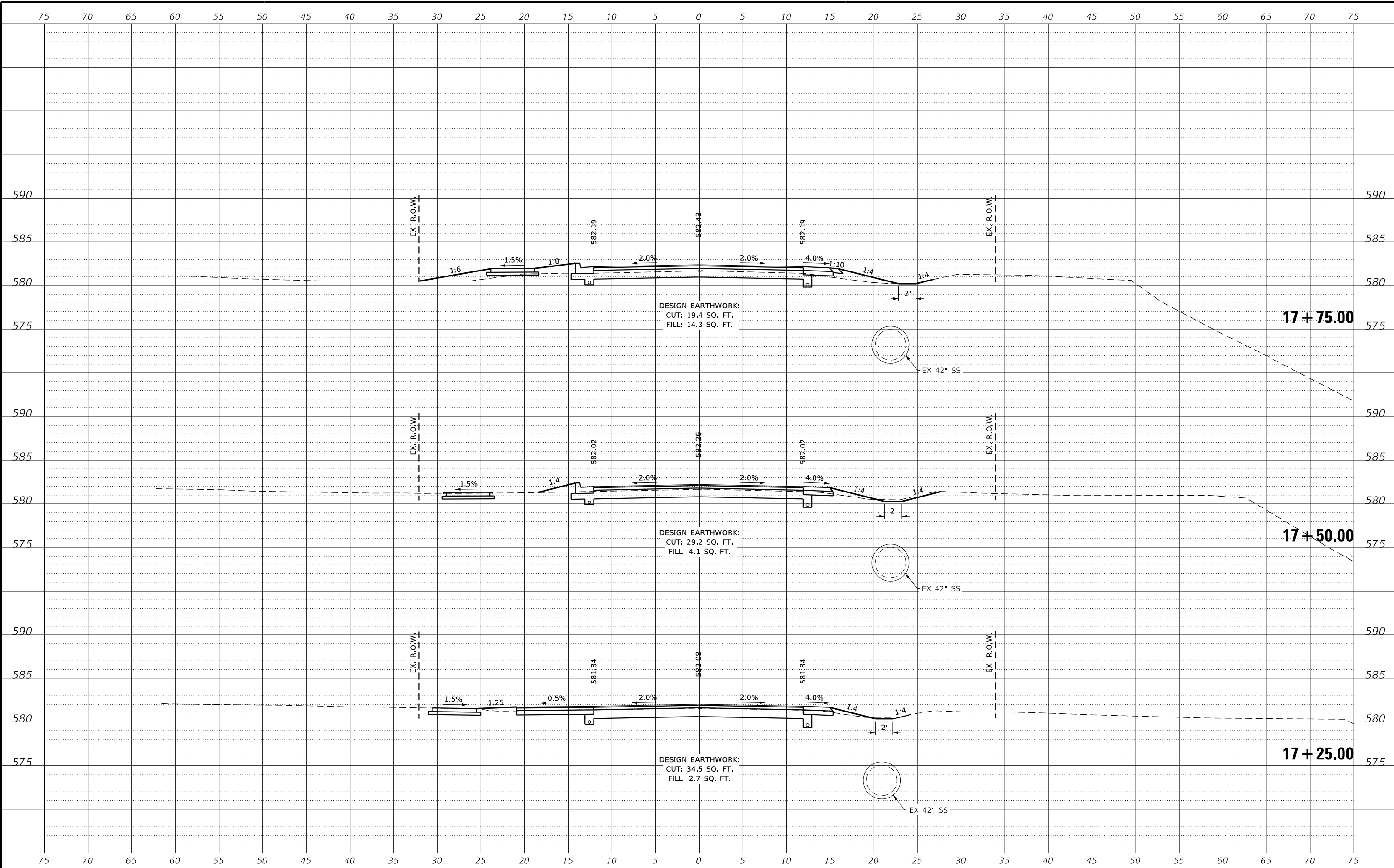
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 16+75.00 - 17+16.19
SHEET 2 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 81 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



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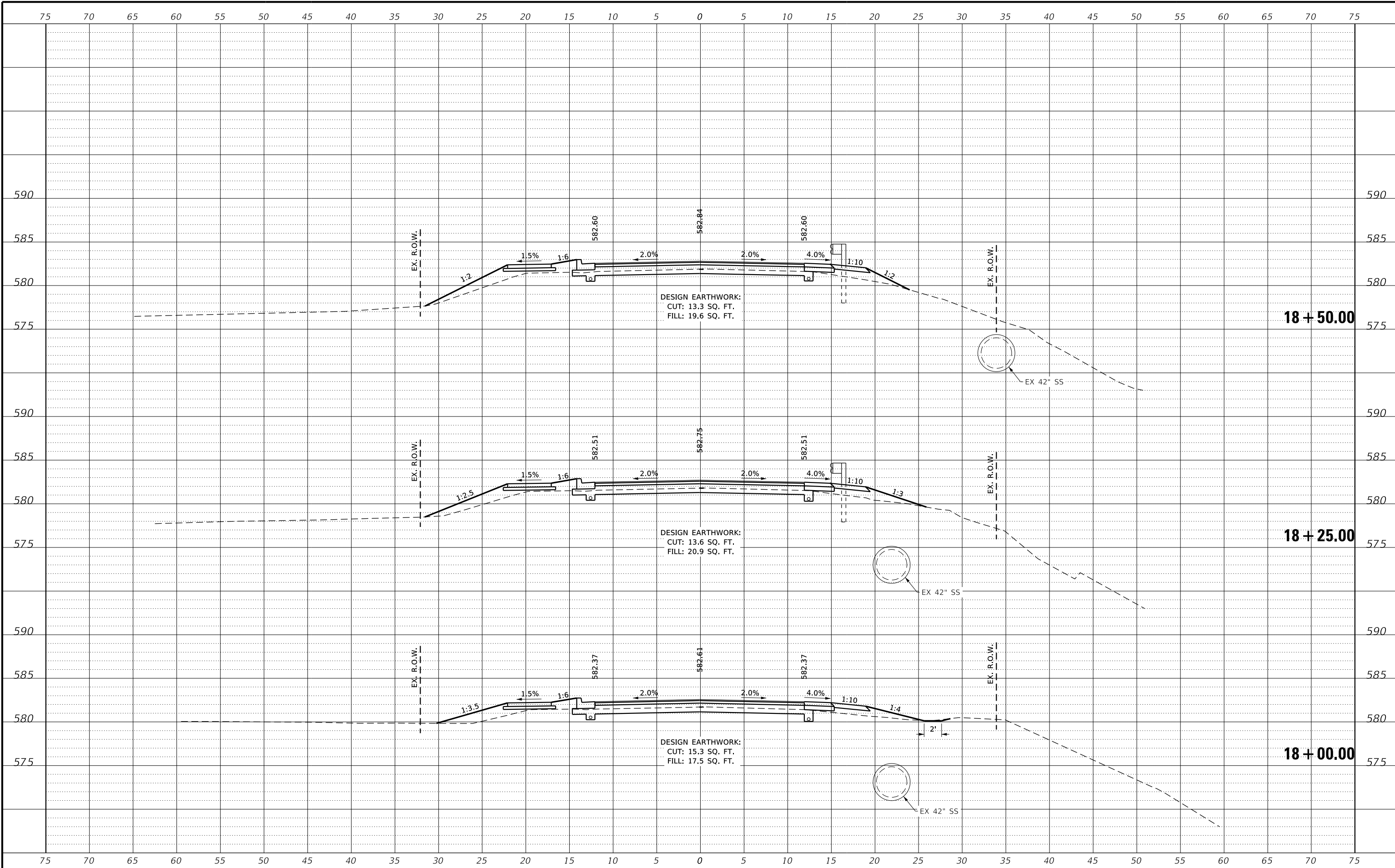
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| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 17+25.00 - 17+75.00
SHEET 3 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 82 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

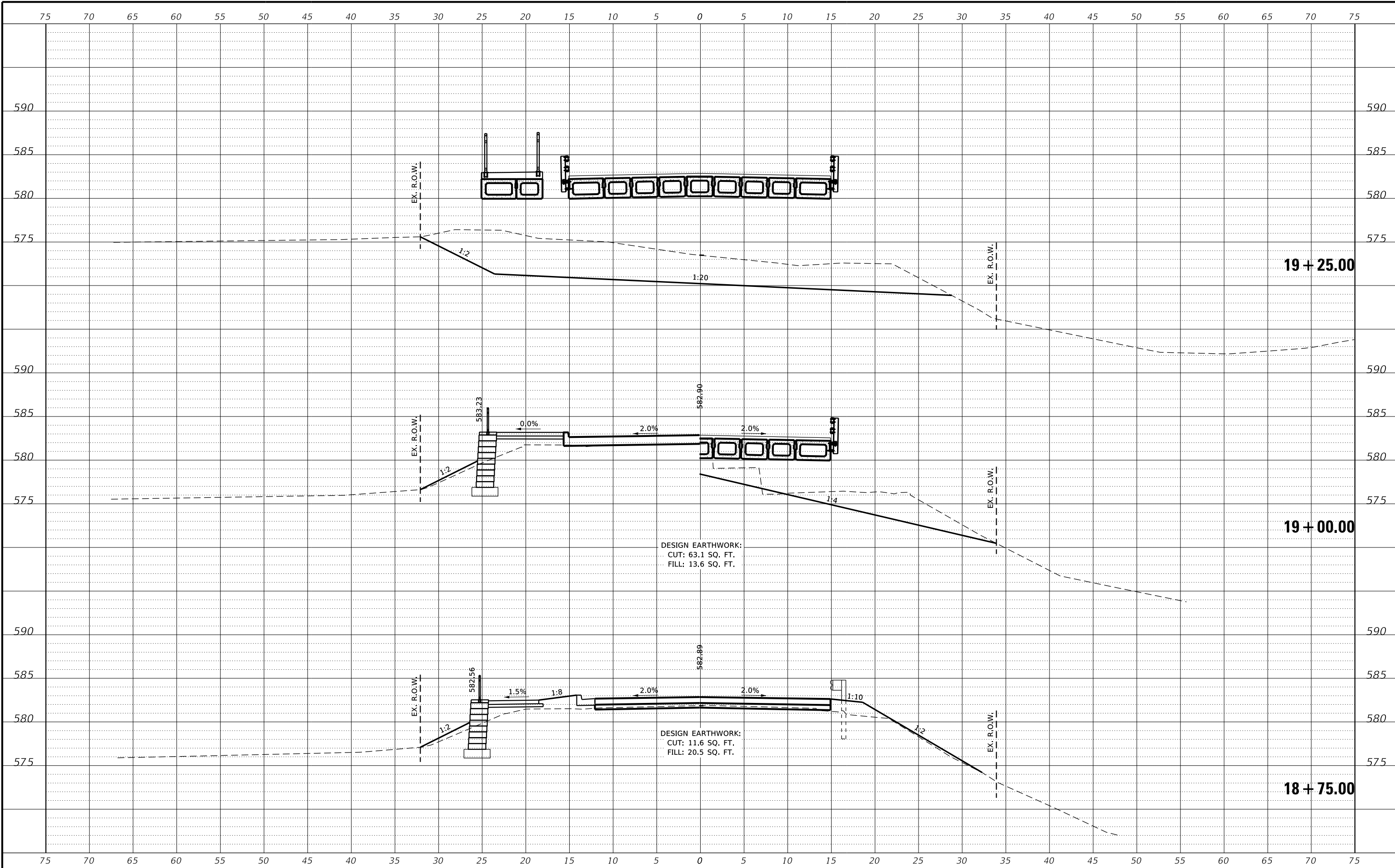


CROSS SECTIONS
STA. 18+00.00 - 18+50.00
SHEET 4 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 83 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |

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| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026

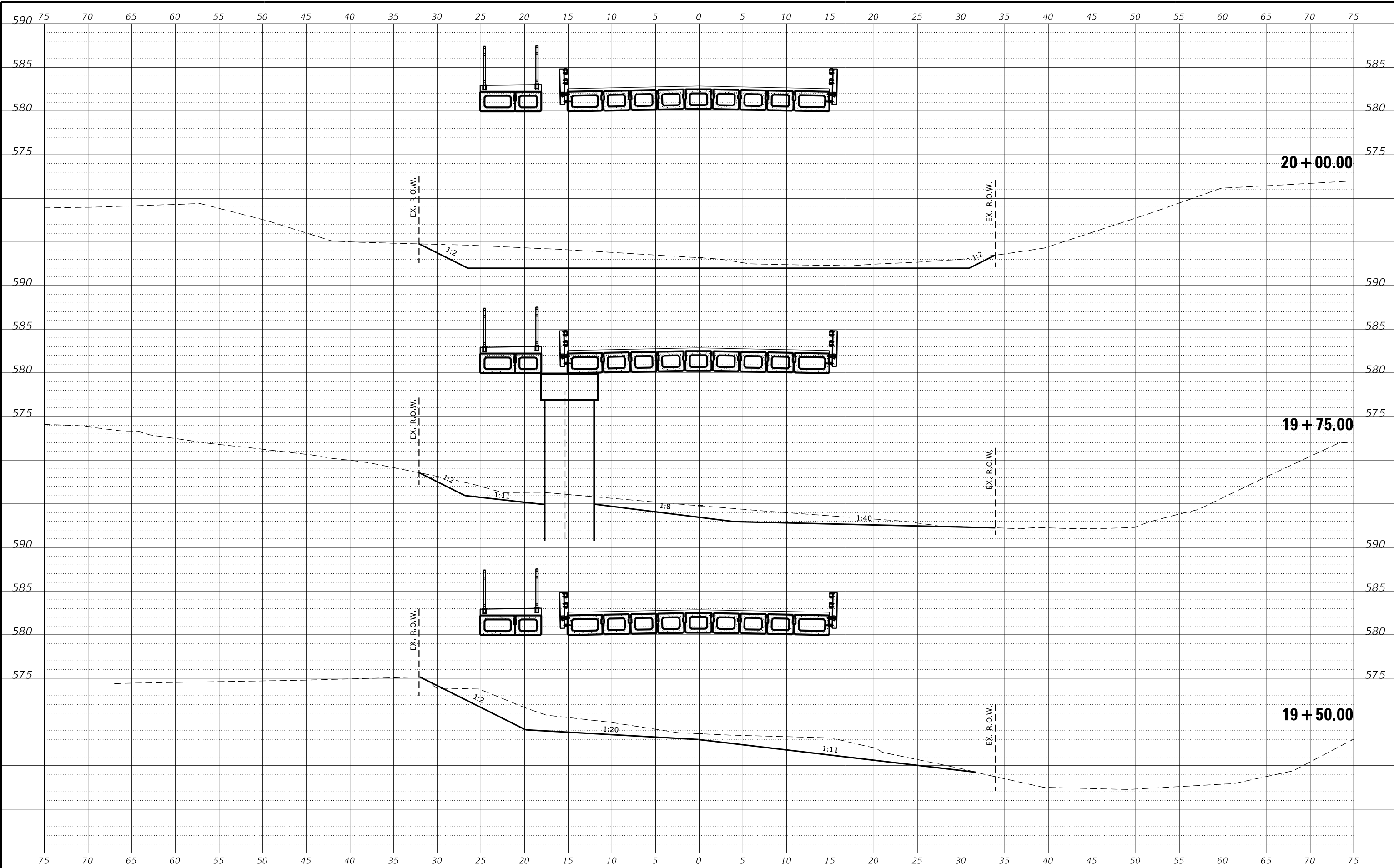


CROSS SECTIONS
STA. 18+75.00 - 19+25.00

SHEET 5 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 84 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |

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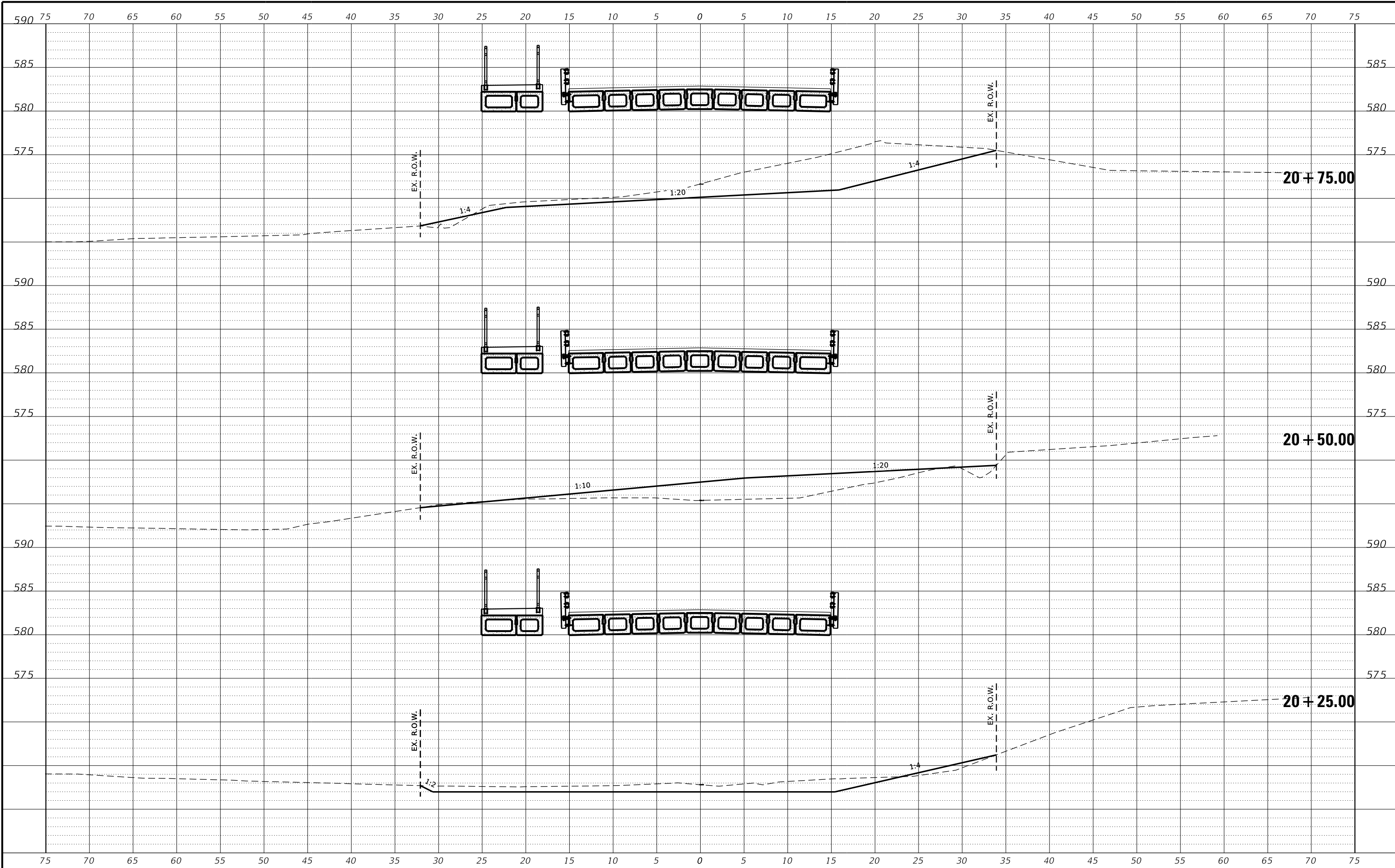
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 19+50.00 - 20+00.00
SHEET 6 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 85 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



| REVISION | DATE | BY | REMARKS |
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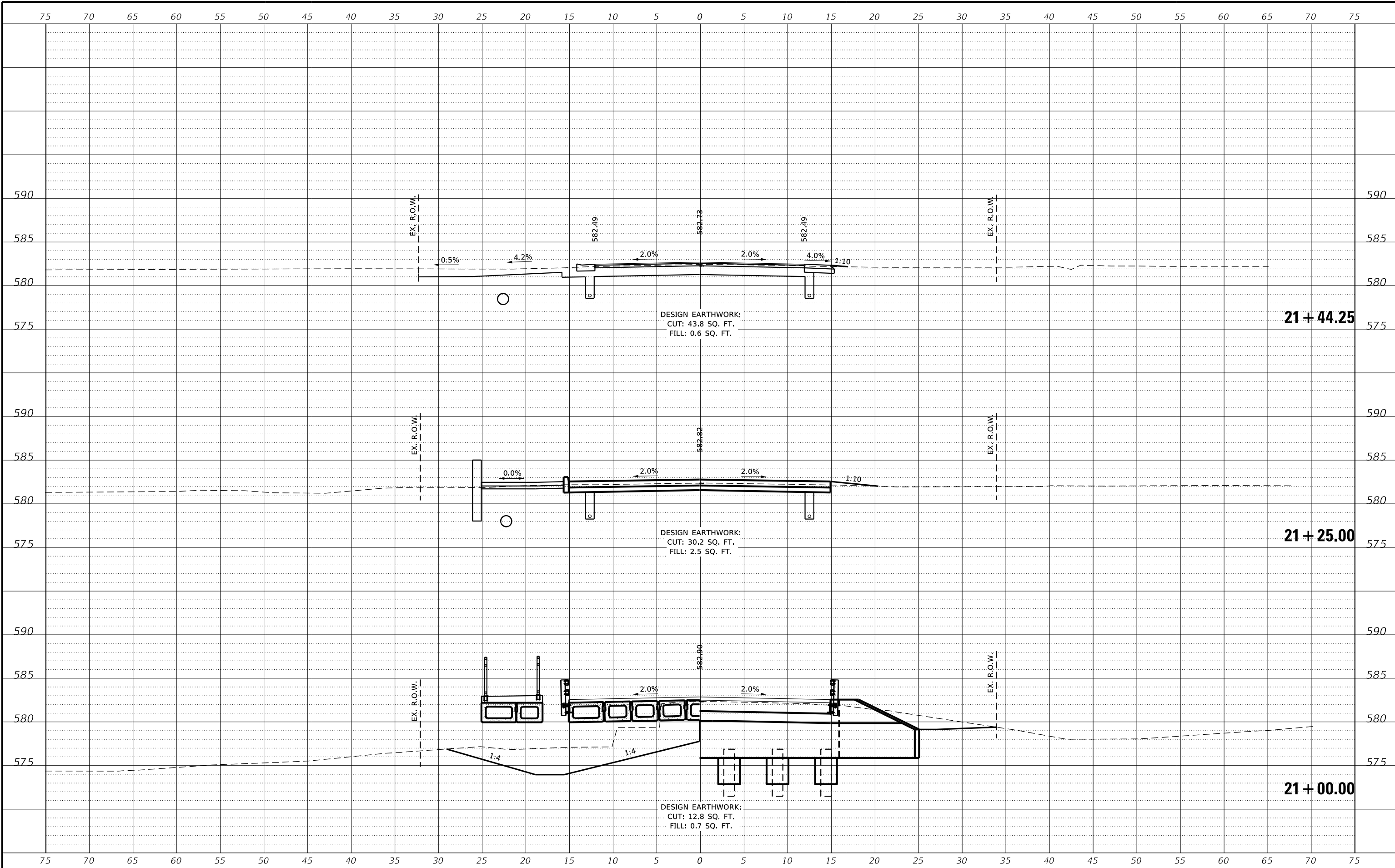
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| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 20+25.00 - 20+75.00
SHEET 7 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 86 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



| REVISION | DATE | BY | REMARKS |
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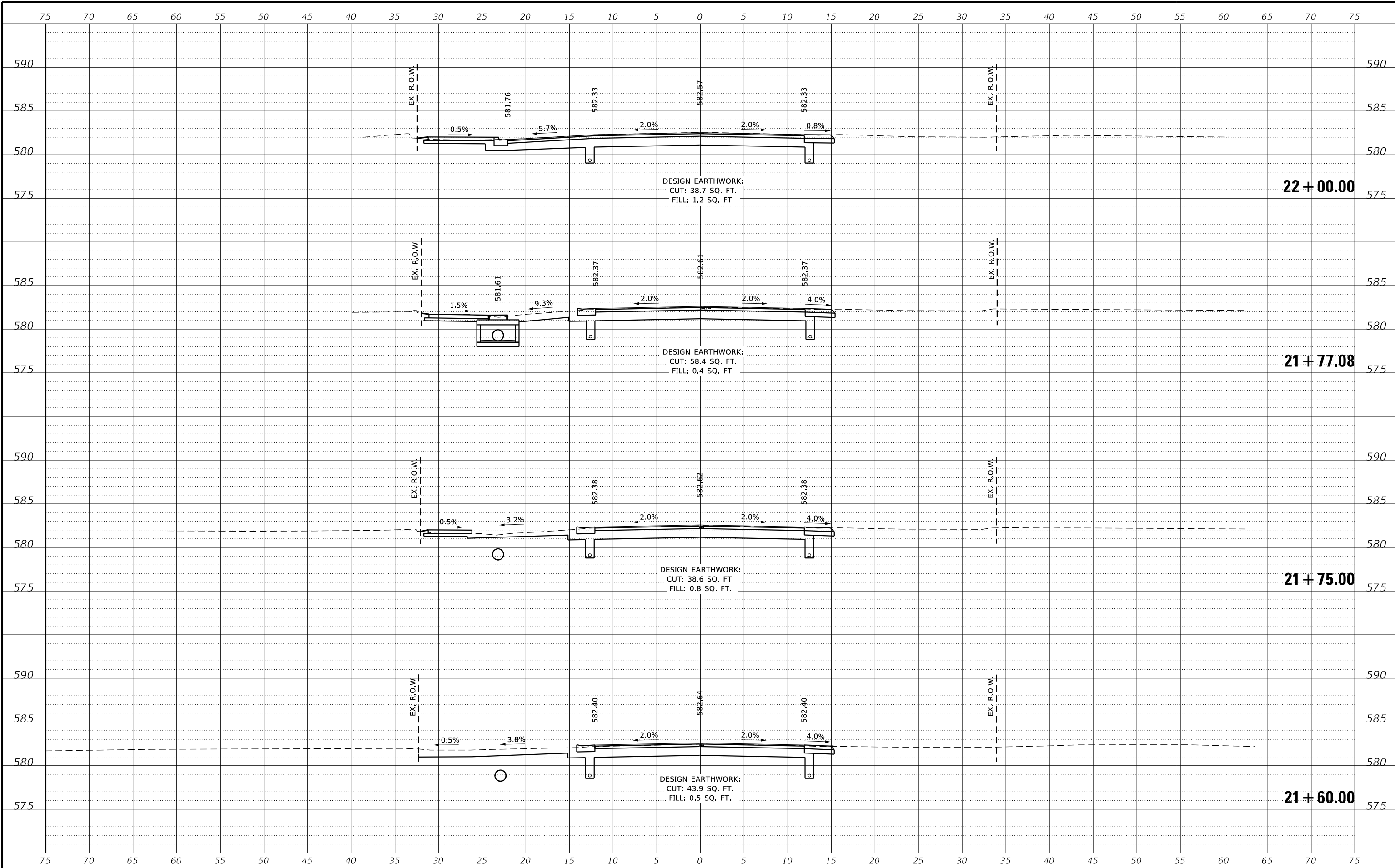
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 21+00.00 - 21+44.25

SHEET 8 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 87 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
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| REVIEWED | XXX |
| APPROVED | XXX |

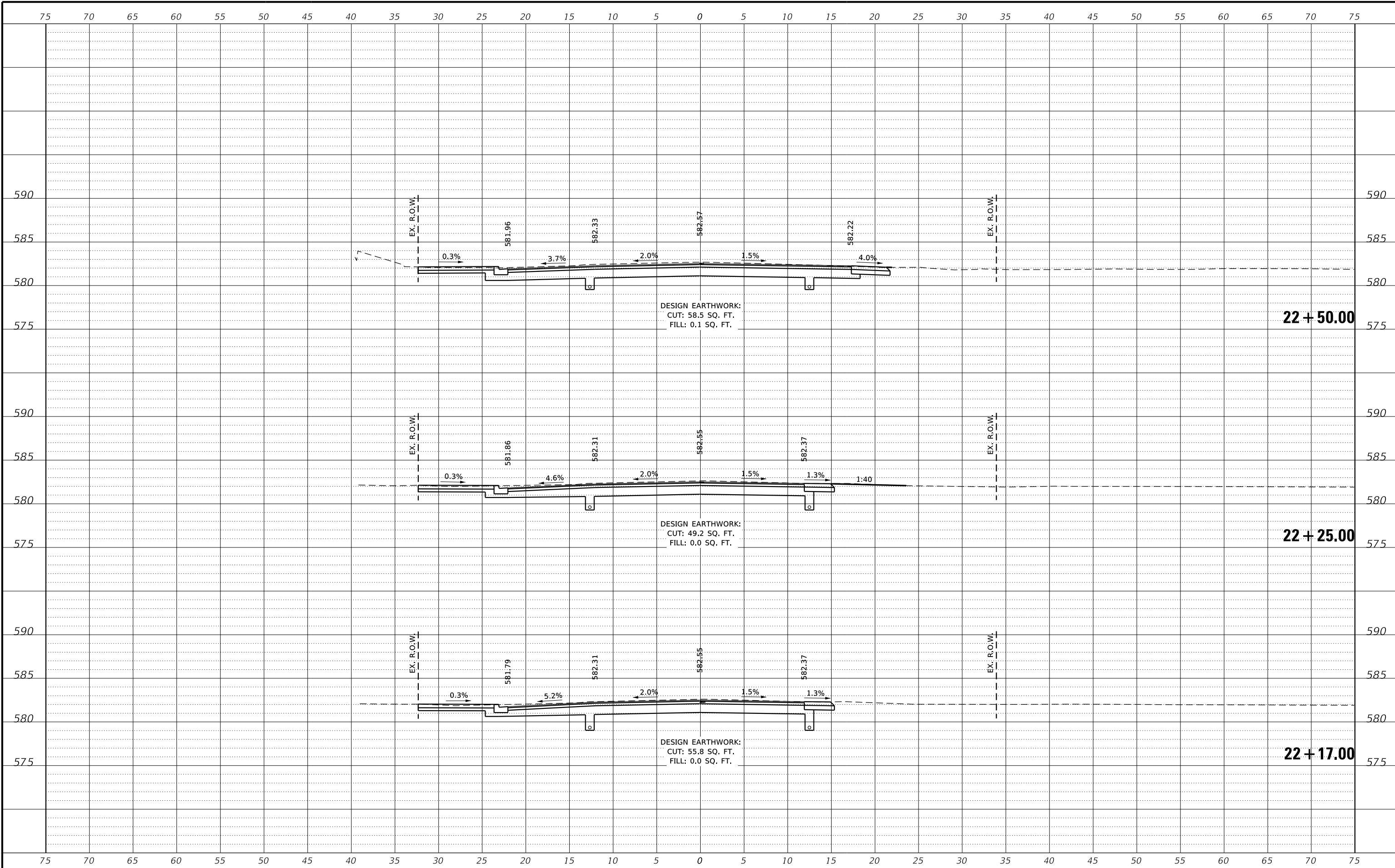
GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 21+60.00 - 22+00.00

SHEET 9 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 88 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |



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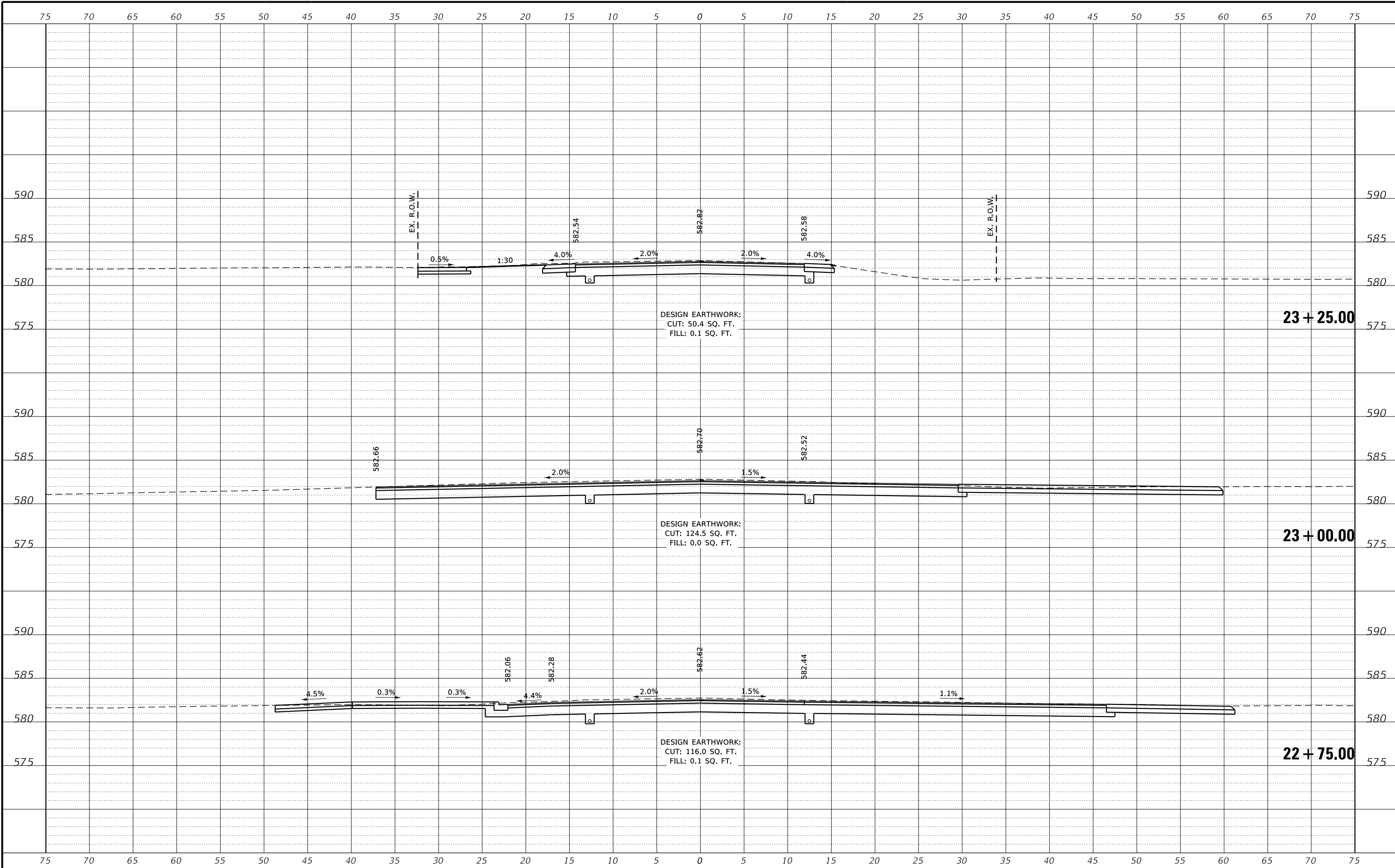
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 22+17.00 - 22+50.00
SHEET 10 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 89 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



| REVISION | DATE | BY | REMARKS |
|----------|------|----|---------|
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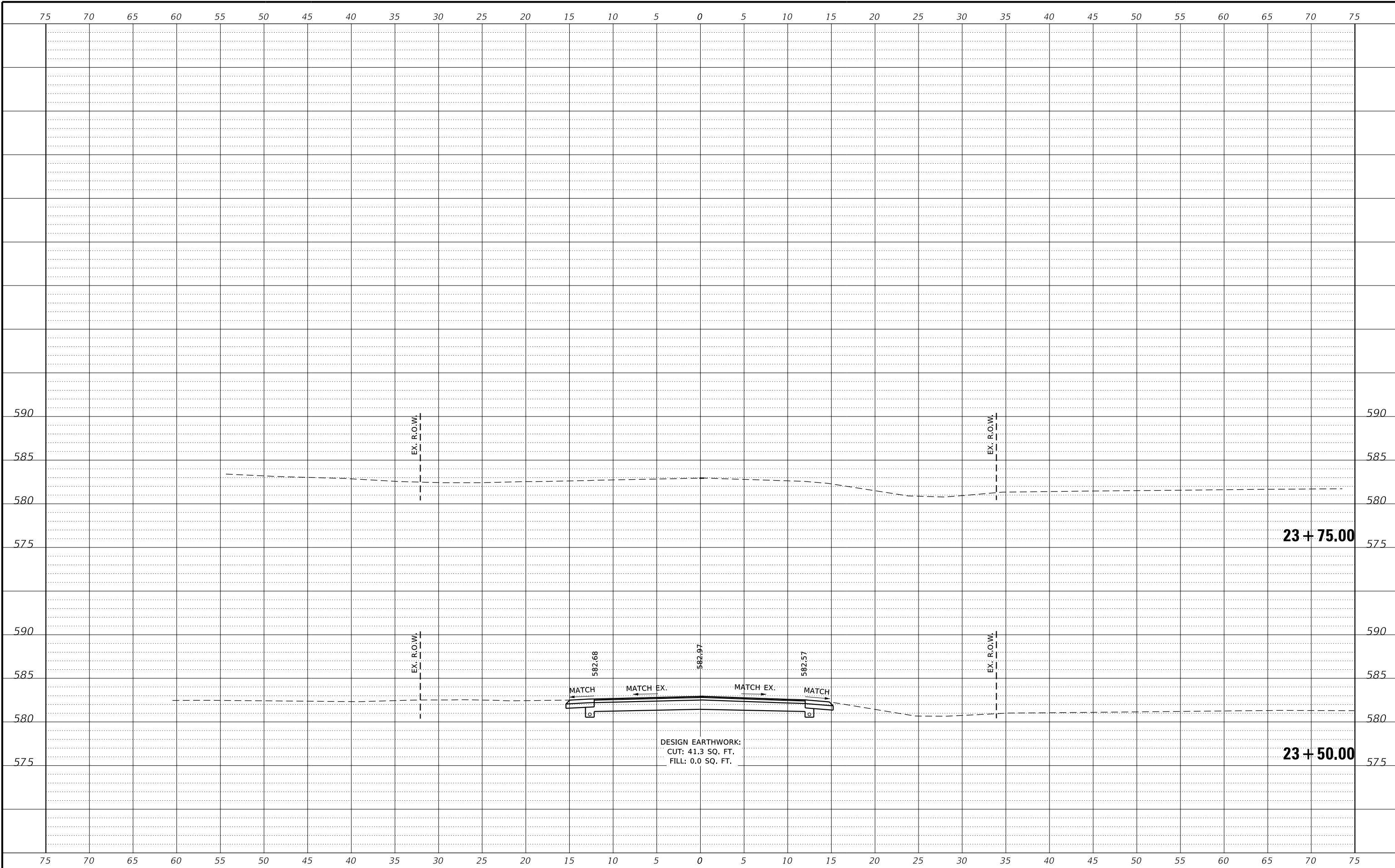
| | |
|----------|-----|
| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 22+75.00 - 23+25.00
SHEET 11 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 90 |
| CONTRACT# 87893 | | WHA* 1464D24 | | |
| ILLINOIS | | | | |



| REVISION | DATE | BY | REMARKS |
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| DESIGNED | CJI |
| DRAWN | CJI |
| REVIEWED | XXX |
| APPROVED | XXX |

GRUNDY COUNTY HIGHWAY DEPARTMENT
F.A.S. 293 (RICE RD.) OVER E. FORK MAZON RIVER
2026



CROSS SECTIONS
STA. 23+50.00 - 23+75.00

SHEET 12 OF 12

| | | | | |
|-----------------|----------------|--------------|--------------|-----------|
| F.A.S. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 293 | 24-00202-00-BR | GRUNDY | 91 | 91 |
| CONTRACT# 87893 | | WHA* 1464024 | | |
| ILLINOIS | | | | |