F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	1
	ILLINOIS	CONTRACT NO. 61L86		

04-24-2026 LETTING ITEM 042

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAU ROUTE 165 (WEST SOLON RD)
OVER NORTH BRANCH NIPPERSINK CREEK
SECTION NO.: 19-00510-00-BR
PROJECT NO.: TNGJ (657)
BRIDGE REPLACEMENT
MCHENRY COUNTY

C-91-072-20

D-91-289-20

LOCATION OF SECTION INDICATED THUS: ▪

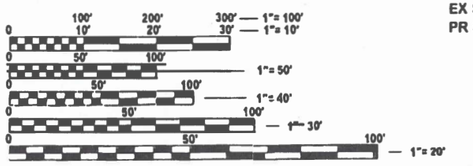
FOR INDEX OF SHEETS AND HIGHWAY STANDARDS, SEE SHEET NO. 2

ENGINEERING RESOURCE ASSOCIATES

TRAFFIC DATA: FAU 165 (W SOLON ROAD)

CURRENT ADT = 325 (2021)
FUTURE ADT = 1,360 (2050)
REGULATORY SPEED LIMIT = 55 MPH
DESIGN SPEED = 55 MPH

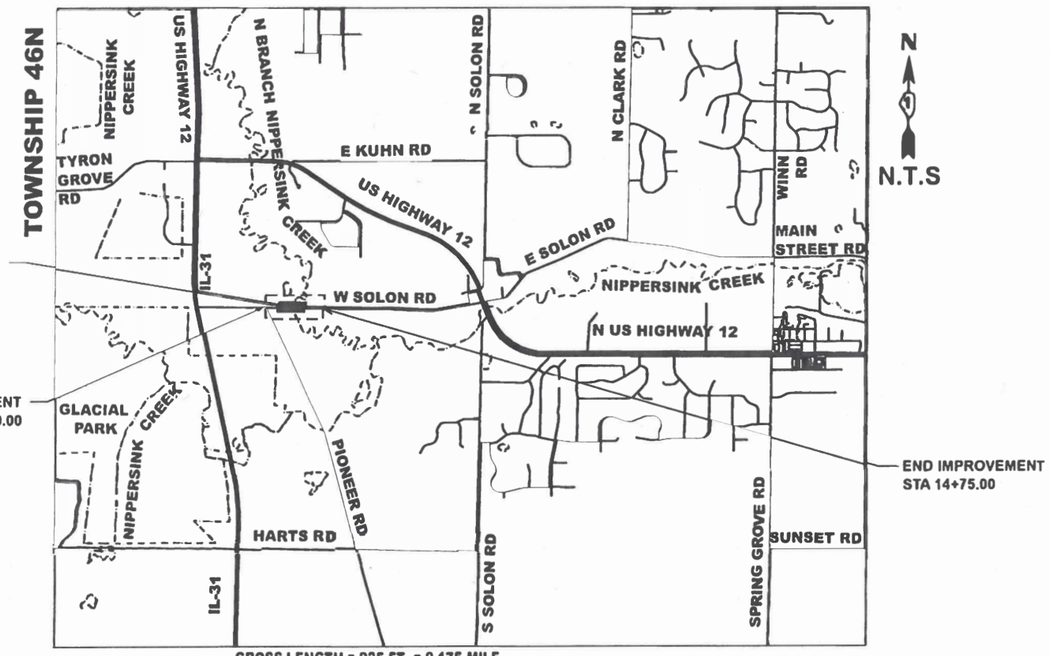
FUNCTIONAL CLASSIFICATION:
MINOR COLLECTOR



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

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

RANGE 8E



GROSS LENGTH = 925 FT. = 0.175 MILE
NET LENGTH = 925 FT. = 0.175 MILE

LICENSED PROFESSIONAL ENGINEER THOMAS STENSLIK 062-067665 OF ILLINOIS

JANUARY 12, 2026
THOMAS STENSLIK
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-067665
EXPIRATION DATE 11-30-2027
SHEET 1 TO 62 , SHEET 110 TO 136

STATE OF ILLINOIS MELISSA LANGE 081-006488 GLEN ELLYN, IL STRUCTURAL ENGINEER

JANUARY 12, 2026
MELISSA F. LANGE, S.E.
ILLINOIS REG. STRUCTURAL ENGINEER NO. 081-006488
EXPIRATION DATE 11-30-2026
SHEETS 63 TO 109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED JANUARY 9 20 26
Joseph R Korpalski Jr
COUNTY OF MCHENRY, COUNTY ENGINEER

PASSED February 23 20 26
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW Feb 23rd 20 26
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FEDERAL AID DESIGN PROGRAM ENGINEER: CARMEN E. RAMOS , P.E. SCHAUMBURG, IL

CONTRACT NO. 61L86

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3	GENERAL NOTES AND COMMITMENTS
4 TO 9	SUMMARY OF QUANTITIES
10 TO 12	TYPICAL SECTIONS
13 TO 21	SCHEDULE OF QUANTITIES
22	ALIGNMENT, TIES & BENCHMARKS
23	REMOVAL PLAN
24 TO 25	PLAN & PROFILE
26	DETOUR PLAN
27	DETOUR NOTES
28 TO 29	SOIL EROSION & SEDIMENT CONTROL NOTES
30 TO 32	SOIL EROSION & SEDIMENT CONTROL PLAN
33 TO 41	SOIL EROSIOIN & SEDIMENT CONTROL DETAILS
42 TO 43	DRAINGE PLAN AND PROFILE
44	SUB-SURFACE PIPE UNDERDRAIN PLAN
45 TO 50	PLAT OF HIGHWAYS
51 TO 53	DRIVEWAY DETAILS
54	SHORT RADIUS GUARDRAIL DETAIL
55	PAVEMENT MARKING AND SIGNAGE PLAN
56 TO 58	LANDSCAPING & GRADING PLAN
59	LANDSCAPING & ARMORING DETAILS
60 TO 62	ARMORING LAYOUT PLAN
63 TO 109	STRUCTURAL PLANS
110 TO 113	MCDOT STANDARD DETAILS
114 TO 116	DISTRICT 1 STANDARD DETAILS
117	CROSS SECTION SCHEMATIC
118 TO 133	MAINLINE CROSS SECTIONS
134 TO 136	CREEK CROSS SECTIONS

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
406201-01	MAILBOX TURNOUT
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542411	METAL FLARED END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
604001-05	FRAMES AND LIDS TYPE 1
604036-03	GRATE TYPE 8
630001-13	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
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 & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL HIGHWAYS

IDOT DISTRICT ONE STANDARDS

BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

MCHENRY COUNTY DETAILS

DRIVEWAY DETAIL
DRAIN TILE OUTFALL, SPECIAL
TELESCOPING STEEL SIGN SUPPORT (SPECIAL)
JOINT TIE DETAIL

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH "THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022 THEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2026; THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS; THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL; THE MCHENRY COUNTY CODE OF ORDINANCES; THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARD CONTAINED IN THESE PLANS.

2. ALL REFERENCES TO THE "COUNTY" OR "OWNER" SHALL BE INTERPRETED AS THE MCHENRY COUNTY DIVISION OF TRANSPORTATION. ALL REFERENCES TO THE "MCCD" SHALL BE INTERPRETED AS THE MCHENRY COUNTY CONSERVATION DISTRICT (MCCD). ALL REFERENCES TO THE "SWCD" SHALL BE INTERPRETED AS THE MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. DO NOT SCALE THE PLANS FOR CONSTRUCTION DIMENSIONS.

4. EXISTING MAILBOXES AFFECTED BY CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR AND ERECTED AT TEMPORARY LOCATIONS AS DIRECTED BY THE ENGINEER AND APPROVED BY THE LOCAL POSTMASTER. AS SOON AS CONSTRUCTION OPERATIONS PERMIT, THE CONTRACTOR SHALL SET THE MAILBOXES AT THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER AND APPROVED BY THE LOCAL POSTMASTER. THIS WORK SHALL BE PERFORMED AND COMPENSATED PER ART. 107.20 OF THE STANDARD SPECIFICATIONS.

5. THE CONTRACTOR SHALL ADHERE TO THE LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR. NO EQUIPMENT, MATERIAL YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON COUNTY, TOWNSHIP, MCCD OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.

6. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION, EXCEPT FOR BRIEF PERIODS OF INTERRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER NO LESS THAN 24 HOURS IN ADVANCE OF THE INTERRUPTION OF ACCESS AND/OR SERVICES. THE NOTIFICATION WILL INCLUDE THE TIME AND DURATION OF THE INTERRUPTION.

7. THE CONTRACTOR SHALL CONTACT THE ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 1 TRAFFIC CONTROL SUPERVISOR, KALPANNA KANNAN-HOSADURGA, AT KALPANNA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK (INSTALLATION OF ADVANCE WORK OR DETOUR SIGNS).

8. MAINTENANCE OF TRAFFIC - GENERAL: TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES OF THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.

9. TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.

10. THE CONTRACTOR SHALL TAKE EXTREME CAUTION DURING ALL PHASES OF CONSTRUCTION TO PREVENT THE DEPOSITION OF ANY MATERIAL INTO THE ENVIRONMENTALLY SENSITIVE AREAS. DEMOLITION AND CONSTRUCTION ACTLVITIES WITHIN THE FLOODPLAIN, FLOODWAY, WATERWAY, WETLANDS AND BUFFER SHALL BE LIMITED TO THE GRADING LIMITS SHOWN IN THE PLANS. ALL PROPOSED CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE CONDITIONS OF THE PROJECT'S REGULATORY PERMITS, INCLUDING:

    -USACE SECTION 404 NATIONWIDE PERMITS #14 & #27; TRACKING NO. 404-LRC-2021-00055
    -USACE SECTION 408 PERMIT; TRACKING NO. 408-LRC-2021-00055
    -IDNR-OWR FLOODWAY CONSTRUCTION PERMIT. NO. NE2025067
    -IEPA NPDES PERMIT NO. ILR10
    -MCHENRY COUNTY STORMWATER CERTIFICATION; REFERENCE NO. 25-1094; RECORD NO. SW-25-117
    -MCHENRY-LAKE SOIL AND WATER CONSERVATION REVIEW

    SEE THE SPECIAL PROVISIONS FOR PERMIT CONDITIONS.

11. GENERALLY, 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN ON THE PLANS.

12. RIGHT-OF-WAY MARKERS AND DRAINAGE MARKERS SHALL BE INSTALLED USING METHOD B OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARDS.

13. A QUANTITY OF 100 FOOT OF EXPLORATION TRENCH (SPECIAL) HAS BEEN INCLUDED IN THE CONTRACT FOR THE PURPOSE OF IDENTIFYING ANY BURIED OBSTACLES, LOCATING EXISTING TILE LINES, OR LOCATING OTHER UNDERGROUND FACILITIES WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. SEE SPECIAL PROVISION "EXPLORATION TRENCH, SPECIAL".

14. USE OF PIONEER ROAD BY CONSTRUCTION TRAFFIC WILL NOT BE ALLOWED. THE CONTRACTOR SHALL INSTALL THE R3-2 NO LEFT TURN SIGN AND CONSTRUCTION TRAFFIC PLAQUE AS SHOWN ON THE DETOUR PLANS IN ADVANCE OF BEGINNING WORK.

MCHENRY COUNTY STANDARD DRAIN TILE NOTES

1. DRAIN TILES DISTURBED DURING CONSTRUCTION SHALL BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE, UNLESS THE PLANS SPECIFY ABANDONMENT OF THE DRAIN TILES.

2. ALL ABANDONED DRAIN TILES WITHIN DISTURBED AREAS SHALL BE REMOVED IN THEIR ENTIRETY.

3. DRAIN TILES WITHIN THE DISTURBED AREA OF A CONSTRUCTION SITE SHALL BE REPLACED, BYPASSED AROUND THE SITE OR INTERCEPTED AND CONNECTED TO THE STORMWATER MANAGEMENT SYSTEM FOR THE SITE. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

LANDSCAPING

1. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

2. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME UNLESS WRITTEN PERMISSION HAS BEEN GRANTED BY THE PROPERTY OWNER AND THE ENGINEER.

3. TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES, SHRUBS, AND LANDSCAPED BEDS WITHIN THE LIMITS OF CONSTRUCTION DESIGNATED TO REMAIN TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

4. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS/BODIES OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

5. THE AREA TO BE PLANTED SHALL BE FURNISHED TO LINE AND GRADE BEFORE PLANTING OPERATIONS ARE BEGUN. THE CONTRACTOR SHALL FURNISH ALL MARKING FLAGS (OR OTHER MARKINGS APPROVED BY THE ENGINEER) FOR LOCATING SEED AREAS, PLANTING (I.E. SHRUBS, TREES) AND FIXED LANDSCAPED FEATURES, FLAGGING FOR PLANTINGS SHALL BE MARKED WITH THE COMMON NAME OF PLANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL LANDSCAPING AND THE OUTLINING OF EACH AREA FOR MASS OR INDIVIDUAL PLANTING. THE TREE LOCATIONS SHALL BE COORDINATED WITH THE FENCING LAYOUT. THE ENGINEER WILL APPROVE THE LAYOUT OF ALL LANDSCAPING. WHERE SEEDLINGS ARE TO BE PLANTED THE PLANTING AREAS SHALL BE MARKED BY STEEL POSTS AS DESCRIBED IN ARTICLE 1081.13.

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - KC	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
WEST SOLON RD OVER NB NIPPERSINK CREEK

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	2
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES (CONTINUED)

DRAINAGE

1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGH TH SITE THROUGHOUT THE DURATION OF THIS PROJECT.DURING CONSTRUCTION OPERATIONS, ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE CLEANED AS NECESSARY TO INSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT.

2. INVESTIGATION INDICATED NO DRAIN TILES ARE PRESENT WITHIN PROJECT LIMITS, HOWEVER, ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED, STAKED AND REPORTED TO THE ENGINEER. ANY DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT.

   THIS WORK SHALL BE IN ACCORDANCE WITH THE MCDOT DETAIL AND SPECIAL PROVISIONS FOR OUTFALL STRUCTURE.

   PRIOR TO MAKING THE CONNECTION, THE CONTRACTORS SHALL CLEAN THE ENDS OF THE TILE TO BE CONNECTED. IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS, THE EXISTING TILE SHALL BE REMOVED OR CRUSHED AND TRENCH BACKFILL MATERIAL SHALL BE PLACED IN THE TRENCH LEFT BY THE REMOVAL.

   ALL CONNECTION POINTS WHERE THE DRAIN TILE OR STORM SEWER ENTERS THE DRAINAGE STRUCTURE SHALL BE MORTARED ON THE INSIDE AND OUTSIDE OF THE DRAINAGE STRUCTURE. THE MORTAR MATERIAL SHALL BE PLACED AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. THE MORTAR MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 602.04.

   THE CONTRACTOR SHALL NOTIFY MCCD OF ANY FIELD TILES ENCOUNTERED AND ALLOW MCCD TO SUFFICIENT TIME TO RECORD THE LOCATION PRIOR TO PERFORMING OUTFALL MODIFICATIONS OR REPAIRS AND BURYING.

3. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07 (b,c) OF THE SSRBC WILL NOT BE ALLOWED.

EARTHWORK & ROADWAY

1. THE CONTRACTOR WILL NOT BE ALLOWED TO STOCK PILE MATERIAL(S) BEYOND THE PROJECT LIMITS. THE CONTRACTOR WILL NOT PLACE STOCK PILES IN LOCATIONS WHERE THEY WIll INTERFERE WITH DRAINAGE WAYS OR ON PAVEMENTS THAT ARE NOT SPECIFIED FOR REMOVAL. ANY DAMAGE CAUSED BY THE CONTRACTORS STOCK PILING OR CONSTRUCTION OPERATIONS WIll BE REPAIRED BY THE CONTRACTOR.

2. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT LOCATIONS WHERE SOILS TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH THE ABOVE ITEMS WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. LOCATIONS IDENTIFIED TO BE UNSTABLE AND/OR UNSUITABLE DURING THE DESIGN SUBSURFACE INVESTIGATION ARE SHOWN N THE CROSS SECTIONS AND IN TABLE 1 OF THE TYPICAL SECTIONS. SEE TYPICAL SECTIONS "REMOVAL AND REPLACEMENT OF UNSTABLE OR UNSUITABLE MATERAL AND SUBGRADE STABILITY" NOTES FOR ADDITIONAL INFORMATION.

3. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.

4. THE PAVEMENT ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

UTILITIES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES AND FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

2. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED ON ATLAS MAPS, FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXACT LOCATION, SIZE, DEPTH AND NATURE OF ALL EXISTING UTILTIIES THAT MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT THROUGH COORDINATION WITH THE UTILITY COMPANIES AND FIELD INSPECTION. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND REPAIRED IF DAMAGED BY THE CONTRACTOR'S OPERATIONS.

3. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES.

4. THE CONTRACTOR SHALL COOPERATE WITH THE COUNTY IF ANY UNDERGROUND IMPROVEMENTS ARE REQUIRED BY THE COUNTY OR STATE WITHIN THE DURATION OF THE CONTRACT.

COMPENSATORY STORAGE

1. THE CONTRACTOR SHALL PROVIDE THE FINISH GRADE DIGITAL TERRAIN MODEL (DTM) TO THE ENGINEER WITHIN TWO (2) WEEKS AFTER FINAL GRADING AND PRIOR TO FINAL LANDSCAPING TO VERIFY COMPENSATORY STORAGE HAS BEEN PROVIDED IN CONFORMANCE WITH THE MCHENRY COUNTY STORMWATER MANAGEMENT PERMIT AND TO VERIFY NEW WORK AS IT RELATES TO THE IDENTIFIABLE FEATURES OF THE FEDERAL PROJECT COVERED BY THE USACE SECTON 408 PERMIT. IF THE GRADING OR NEW WORK IS FOUND TO NOT BE IN CONFORMANCE, THE CONTRACTOR SHALL PROVIDE A REVISED DTM AFTER THE GRADING HAS BEEN RECITIFIED TO MEET PLAN AND PERMITTING REQUIREMENTS. SEE CONSTRUCTION LAYOUT SPECIAL PROVISION.

2. THE DIGITAL TERRAIN MODEL SHALL INCLUDE FULL WIDTH OF THE PROJECT LIMITS BETWEEN STATION 9+20.0 AND STATION 14+75.0 SHOULD USE ONE OF THE FOLLOWING FORMATS: (.xml), (.dtm) OR (.tin). THE CONTRACTOR SHALL ALSO PROVIDE THE .csv POINT FILE OR TEXT DATA FILE.

SURVEY DATUM

1. THE HORIZONTAL DATUM IS NAD83 AND THE VERTICAL DATUM IS NAVD88.

PUBLIC SERVICE CONTACT LIST

ILLINOIS DEPARTMENT OF TRANSPORTATION - DISTRICT 1 TRAFFIC
201 WEST CENTER COURT, SCHAUMBURG, ILLINOIS 60196
CONTACT: KALPANA KANNAN-HOSADURGA, TRAFFIC CONTROL SUPERVISOR
PH: (847) 705-4091

MCHENRY COUNTY DIVISION OF TRANSPORTATION
16111 NELSON ROAD, WOODSTOCK, IL 60098
CONTACT: JEREMY STULL, CONSTRUCTION MANAGER | PH: (815) 334-4964

MCHENRY COUNTY EMERGENCY TELEPHONE SYSTEM BOARD
E911, 2200 NORTH SEMINARY AVENUE, SUITE 167, WOODSTOCK, IL 60098
CONTACT: THERESA K. SCHULTE, DIRECTOR | PH: (815) 337-7911

MCHENRY COUNTY SHERIFF'S OFFICE
2200 NORTH SEMINARY AVENUE, WOODSTOCK, IL 60098
CONTACT: ROBB TADELMAN, SHERIFF | PH: (815) 338-2144

NIPPERSINK SCHOOL DISTRICT 2 & RICHMOND BURTON SCHOOL DISTRICT 157
4213 US HIGHWAY 12, RICHMOND, IL 60071
CONTACT: THOMAS LIND, SUPERINTENDENT | PH: (815) 678-4242

RICHMOND-BURTON HIGH SCHOOL
8311 IL ROUTE 31, RICHMOND, IL 60071
CONTACT: MICHAEL BAIRD, PRINCIPAL | PH: (815) 678-7580

RICHMOND POLICE DEPARTMENT
5600 HUNTER DRIVE, RICHMOND, IL 60071
CONTACT: CIRO CETRANGOLO, POLICE CHIEF | PH: (815) 338-2144

RICHMOND TOWNSHIP FIRE PROTECTION DISTRICT
5601 HUNTER DRIVE, RICHMOND, IL 60071
CONTACT: JIM PRICKETT, FIRE CHIEF | PH: (815) 678-3672

RICHMOND TOWNSHIP ROAD DISTRICT
7812 ROUTE 31, RICHMOND, IL 60071
CONTACT: CHRIS GUMM, HIGHWAY COMMISSIONER | PH: (815) 678-4144

SPRING GROVE FIRE PROTECTION DISTRICT
8214 RICHARDSON ROAD, SPRING GROVE, IL 60081
CONTACT: PAUL KLICKER, FIRE CHIEF | PH: (815) 675-2450

SPRING GROVE POLICE DEPARTMENT
7401 MEYER ROAD, SPRING GROVE, IL 60081
CONTACT: MICHAEL NIEDZWIECKI, POLICE CHIEF | PH: (815) 675-2596

UNITED STATES POSTAL SERVICE - RICHMOND OFFICE
5510 MILL STREET, RICHMOND, IL 60071
CONTACT: DANIEL VAZQUEZ, POSTMASTER GENERAL | PH: (815) 678-3951

UNITED STATES POSTAL SERVICE - SPRING GROVE OFFICE
2410 WESTWARD DRIVE, SPRING GROVE, IL 60081
CONTACT: KIMBERLY D. CARPENTER, POSTMASTER GENERAL | PH: (815) 675-2161

PERMIT CONTACT LIST

ILLINOIS DEPARTMENT OF NATURAL RESOURCES (IDNR)
ONE NATURAL RESOURCES WAY, SPRINGFIELD, IL 62702
CONTACT: WILLIAM BOYD, P.E. | PH: (217) 782-3863

MCHENRY COUNTY CONSERVATION DISTRICT (MCCD)
18410 US HIGHWAY 14, WOODSTOCK, IL 60098
CONTACT: GABRIEL POWERS & VAL SILER | PH: (815) 338-6223 & (331) 257-7049

MCHENRY COUNTY PLANNING AND DEVELOPMENT (MCP&D)
2200 N. SEMINARY AVENUE, WOODSTOCK, IL 60098
CONTACT: STOYAN KOLEV | PH: (815) 334-4520

MCHENRY LAKE SOIL AND WATER CONSERVATION DISTRICT (MLSWCD)
1648 S. EASTWOOD DRIVE, WOODSTOCK, IL 60098
CONTACT: AIDAN WOLTMAN | PH: (815) 338-0444 EXT 3

UNITED STATES ARMY CORPS OF ENGINEERS (USACOE) - CHICAGO DISTRICT - SECTION 404 & 408
231 SOUTH LASALLE STREET, SUITE 1500, CHICAGO, IL 60604
CONTACT: COLLIN SMALLEY | PH: (312) 846-5538

COMMITMENTS

1. THE PROJECT SPONSOR SHALL IMPLEMENT ONSITE MITIGATION AS INDICATED IN THE WETLAND COMPENSATION PLAN.
2. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH OCTOBER 11TH OF ANY GIVEN YEAR WHEN FEDERALLY THREATENED OR ENDANGERED BATS AND BEES ARE NOT LIKELY TO BE PRESENT.
3. AREAS OF MEDIUM AND HIGH QUALITY HABITAT WITHIN THE PROJECT CONSTRUCTION LIMITS WILL BE ROUTINELY MOWED (6-9 INCHES) AS NEEDED FROM MARCH 15 TO OCTOBER 14 OF ANY GIVEN YEAR OF CONSTRUCTION TO KEEP FLORAL RESOURCES FROM BLOOMING.
4. NO PARKING, STOCKPILING, CONSTRUCTION STAGING, STORAGE, OR REFUELING OF EQUIPMENT SHALL OCCUR WITHIN THE WETLAND AREAS OR AREAS IDENTIFIED AS HIGH-OR MEDIUM-QUALITY HABITAT FOR THE RUSTY PATCHED BUMBLE BEE.
5. ALL DISTURBED AREAS SHALL BE RE-SEEDED WITH A CLASS 4B OR 5B NATIVE SEED MIX IN ACCORDANCE WITH SECTION 250 OF IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE A CONFLICT EXISTS, THE APPROVED WETLAND COMPENSATION PLAN CONTROLS.
6. WILDLIFE FRIENDLY EROSION CONTROL SHALL BE USED IN ACCORDANCE WITH THE BDE SPECIAL PROVISION: EROSION CONTROL BLANKET.
7. NO EQUIPMENT SHALL ENTER THE STREAM TO REMOVE THE BRIDGE DECK OR ABUTMENTS, EXCEPT BUCKETS AND EQUIPMENT ARMS.
8. THE MINIMUM AMOUNT OF ADDITIONAL EXCAVATION SHALL OCCUR AT THE PIERS TO BE REMOVED.
9. DEBRIS AND EXCAVATED MATERIAL SHALL BE REMOVED FROM THE STREAMBED AS SOON AS PRACTICABLE.
10. WEATHER PERMITTING, IN-STREAM WORK SHALL OCCUR DURING DRY, LOW-FLOW CONDITIONS.
11. EQUIPMENT SHALL BE WASHED BEFORE ENTERING THE WORK SITE TO PREVENT THE TRANSFER OF NON-NATIVE AND INVASIVE SPECIES INTO THE WATERWAY.
12. STONE AND OTHER MATERIALS SHALL NOT BE STOCKPILED IN THE STREAM CHANNEL.
13. IF A CAUSEWAY IS REQUIRED, TEMPORARY CULVERTS SHALL BE PROPERLY SIZED TO MAINTAIN FLOW OF NORTH BRANCH NIPPERSINK CREEK.
14. AFTER CONSTRUCTION IS COMPLETED, ANY AND ALL COFFERDAMS AND CAUSEWAYS SHALL BE REMOVED AND THE STREAM BOTTOM RESTORED TO ITS ORIGINAL CONDITION AND FLOW PATTERNS.
15. AS PART OF THE NPDES PERMIT FOR THE PROJECT, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED WEEKLY AND AFTER HEAVY RAIN EVENTS TO ENSURE EFFECTIVENESS.
16. CONSTRUCTION STAFF ARE REQUIRED TO ATTEND AN MCCD SEMINAR DISCUSSING THE NECESSARY PRECAUTIONS AND REQUIRED MEASURES WHILE WORKING WITHIN THE GLACIAL PARK CONSERVATION AREA (GPCA).
17. PROVIDE THE MCCD WITH TWO (2) WEEKS NOTICE PRIOR TO THE COMMENCEMENT OF ON-SITE CONSTRUCTION ACTIVITIES. CONTACT CINDI JABLONSKI BY EMAIL AT CJABLONSKI@MCCDISTRICT.ORG OR BY PHONE AT (815) 338-6223.
18. PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRATOR SHALL OBTAIN A SPECIAL USE/ACCESS PERMIT FROM MCCD AND PROVIDE AN EXECUTED COPY PROVIDED TO THE ENGINEER AT NO ADDITIONAL COST TO THE COUNTY.

OWNER OF RECORD

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. FOR INFORMATION REGARDING THE EXISTING STRUCTURE, SEE RECORD PLANS ON SHEETS 88 TO 98.

THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR FULL HYDRAULIC REPORT SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

MCHENRY COUNTY DIVISION OF TRANSPORTATION
16111 NELSON ROAD
WOODSTOCK, ILLINOIS 60098
SAMANTHA DITTRICH, P.E., DESIGN ENGINEER IV
(815) 334-4645

OR SEE PROJECT WEBSITE:
HTTPS://WWW.MCHENRYCOUNTYIL.GOV/DEPARTMENTS/TRANSPORTATION/PROJECTS/WEST-SOLON

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					FEDERAL STATE	FEDERAL STATE	FEDERAL STATE	FEDERAL STATE
					ROADWAY	BRIDGE	RETAINING WALL	TRAINEES
					0004	0010	0044	0042
					URBAN	SN 056-9142	URBAN	URBAN
	20101000	TEMPORARY FENCE	FOOT	860	860			
X	20101200	TREE ROOT PRUNING	EACH	6	6			
X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6			
	20200100	EARTH EXCAVATION	CU YD	1,270	1,270			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6,625	6,625			
	20300100	CHANNEL EXCAVATION	CU YD	785		785		
	20400800	FURNISHED EXCAVATION	CU YD	2,320	2,320			
	20800150	TRENCH BACKFILL	CU YD	44	44			
	20900110	POROUS GRANULAR BACKFILL	CU YD	43.5			43.5	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	7,635	7,635			
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3,985	3985			
X	25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75			
X	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68	68			
X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68	68			
X	25100125	MULCH, METHOD 3	ACRE	13.50	13.50			
X	25100645	WILDLIFE FRIENDLY EROSION CONTROL BLANKET	SQ YD	7,561	7,561			
X	25200200	SUPPLEMENTAL WATERING	UNIT	294.0	294.0			
X	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	450	450			
	28000305	TEMPORARY DITCH CHECKS	FOOT	1,535	1,535			
	28000400	PERIMETER EROSION BARRIER	FOOT	1,109	1,109			
	28000500	INLET AND PIPE PROTECTION	EACH	3	3			
	28000510	INLET FILTERS	EACH	3	3			

MODEL: SOQ-1 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0260 Roadway\03_Sheet\03_Summary of Quantities\W23301-sht-SOQ.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
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PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	4
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					FEDERAL STATE	FEDERAL STATE	FEDERAL STATE	FEDERAL STATE
					ROADWAY	BRIDGE	RETAINING WALL	TRAINEES
					0004	0010	0044	0042
					URBAN	SN 056-9142	URBAN	URBAN
	28100205	STONE RIPRAP, CLASS A3	TON	12	12			
	28200200	FILTER FABRIC	SQ YD	924	924			
	28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	775	775			
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	687	687			
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3,008	3,008			
	35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	33	33			
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	240	240			
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6,735	6,735			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,265	1,265			
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	768	768			
	40701851	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/2"	SQ YD	1,821	1,821			
	42000060	WELDED WIRE REINFORCEMENT	SQ YD	49	49			
	42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	72	72			
	44000100	PAVEMENT REMOVAL	SQ YD	2,046	2,046			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	262	262			
	48203005	HOT-MIX ASPHALT SHOULDERS, 2"	SQ YD	180	180			
	48203031	HOT-MIX ASPHALT SHOULDERS, 8 1/2"	SQ YD	924	924			
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
	50105220	PIPE CULVERT REMOVAL	FOOT	195	195			
	50200100	STRUCTURE EXCAVATION	CU YD	70.0		70.0		
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	95.0		95.0		
	50300225	CONCRETE STRUCTURES	CU YD	98.0		74.0	24.0	

MODEL: SOQ-2 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\03_Summary of Quantities\W23301-sht-SOQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	5
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					FEDERAL STATE	FEDERAL STATE	FEDERAL STATE	FEDERAL STATE
					ROADWAY	BRIDGE	RETAINING WALL	TRAINEES
					0004	0010	0044	0042
					URBAN	SN 056-9142	URBAN	URBAN
	50300255	CONCRETE SUPERSTRUCTURES	CU YD	261.5		158.0	103.5	
	50300300	PROTECTIVE COAT	SQ YD	840	72	697	71	
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	98.0		98.0		
	50401315	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL36N	FOOT	583.5		583.5		
	50500505	STUD SHEAR CONNECTORS	EACH	1,119			1,119	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	95,930		76,970	18,960	
	51200961	FURNISHING METAL SHELL PILES 16" X 0.312"	FOOT	950		950		
	51202305	DRIVING PILES	FOOT	950		950		
	51203200	TEST PILE METAL SHELLS	EACH	2		2		
	51204650	PILE SHOES	EACH	19		19		
	51500100	NAME PLATES	EACH	1		1		
	52200015	PERMANENT SHEET PILING	SQ FT	6,205			6,205	
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1			
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1			
	54260715	SLOPED METAL END SECTION WITH GRATE, STANDARD 542411, 15", 1:6	EACH	4	4			
	54261315	CONCRETE END SECTION, STANDARD 542001, 15", 1:3	EACH	1	1			
	542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15"	FOOT	72	72			
	550A0120	STORM SEWERS, CLASS A, TYPE 1, 24"	FOOT	65	65			
	550A0360	STORM SEWERS, CLASS A, TYPE 2, 15"	FOOT	49	49			
	550A0410	STORM SEWERS, CLASS A, TYPE 2, 24"	FOOT	114	114			
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	107.5		107.5		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	202		76	126	

MODEL: SOQ-3 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0260 Roadway\03_Sheet\03_Summary of Quantities\W23301-sht-SOQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	6
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION CODE			
					FEDERAL STATE	FEDERAL STATE	FEDERAL STATE	FEDERAL STATE
SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE	RETAINING WALL	TRAINEES
					0004	0010	0044	0042
					URBAN	SN 056-9142	URBAN	URBAN
	60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	6	6			
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	83	83			
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,361	2,361			
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	380		139	241	
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2			
X	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	88	88			
X	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1			
X	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4			
X	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2			
X	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1			
X	63200310	GUARDRAIL REMOVAL	FOOT	81	81			
	63500105	DELINEATORS	EACH	1	1			
	66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	19	19			
	67100100	MOBILIZATION	L SUM	1	1			
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,254		1,254		
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3,760		3,760		
	72400205	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3			
X	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3			
X	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3,760	3,760			
X	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	11	11			
X	K1003660	MOWING CYCLES	EACH	35	35			

MODEL: SOQ-4 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\03_Summary of Quantities\W23301-sht-SOQ.dgn

ENGINEERING RESOURCE ASSOCIATES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	7
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					FEDERAL STATE	FEDERAL STATE	FEDERAL STATE	FEDERAL STATE
					ROADWAY	BRIDGE	RETAINING WALL	TRAINEES
					0004	0010	0044	0042
					URBAN	SN 056-9142	URBAN	URBAN
X	K1004572	PRAIRIE SEEDING (SPECIAL)	ACRE	0.50	0.50			
X	K1005418	TEMPORARY SEEDING	ACRE	9.00	9.00			
X	K1005421	SEEDING (SPECIAL)	ACRE	0.25	0.25			
X	K1005428	SEEDING, SEDGE MEADOW MIX	ACRE	0.25	0.25			
	X0320096	CONSTRUCTION VIBRATION MONITORING	EACH	2			2	
	X0322278	RODENT SHIELDS	EACH	6	6			
	X0326806	WASHOUT BASIN	L SUM	1	1			
	X0327301	RELOCATE EXISTING MAILBOX	EACH	4	4			
	X1800002	RIVER ROCK	TON	83.0	83			
X	X2010404	STUMP REMOVAL	EACH	12	12			
	X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	100	100			
	X2800400	PERIMETER EROSION BARRIER (SPECIAL)	FOOT	1,487			1,487	
	X2810206	STONE RIPRAP, CLASS A3 (SPECIAL)	TON	103	103			
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3	3			
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1			
	X4060280	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	240	240			
	X5021507	DEWATERING	L SUM	1	1			
	X5021510	COFFERDAMS (SPECIAL)	EACH	2		2		
	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	630	67	563		
	X5080530	BAR TERMINATORS	EACH	410		410		
X	X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	38	38			
	X6640104	FENCE REMOVAL	FOOT	34	34			

MODEL: SOQ-5 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\03_Summary of Quantities\W23301-sht-SOQ.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	8
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					FEDERAL STATE	FEDERAL STATE	FEDERAL STATE	FEDERAL STATE
					ROADWAY	BRIDGE	RETAINING WALL	TRAINEES
					0004	0010	0044	0042
					URBAN	SN 056-9142	URBAN	URBAN
	X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	13	13			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	55	55			
X	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	14	14			
	X7300107	REMOVE AND REINSTALL WOOD SIGN POST	EACH	1	1			
X	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1			
X	XX006570	TREES (SPECIAL)	EACH	2	2			
X	XX006622	EMERGENT / SHORELINE SEED MIX	ACRE	0.25	0.25			
X	XX006660	WETLAND PLANTS	EACH	4,200	4,200			
	XX007061	OUTFALL STRUCTURE	EACH	1	1			
X	XX007646	SEEDING, MESIC TO WET NATIVE GRASSES	ACRE	0.25	0.25			
	XX009434	BIOSWALE	SQ YD	78	78			
	XX009719	MATERIAL FOR STREAMBED ESTABLISHMENT, 24"	SQ YD	431	431			
X	Z0007124	STEEL RAILING (SPECIAL)	FOOT	401		220	181	
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	246	246			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0015500	DEBRIS REMOVAL	L SUM	1	1			
	Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	561	69	492		
	Z0054400	ROCK FILL	CU YD	1,530	1530			
	Z0076600	TRAINEES	HOUR	500				500
	Z0076604	TRAINEES TRAINING GRADUATE PROGRAM	HOUR	500				500

MODEL: SOQ-6 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0260_Roadway\03_Sheet\03_Summary of Quantities\W23301-sht-SOQ.dgn

ENGINEERING RESOURCE ASSOCIATES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

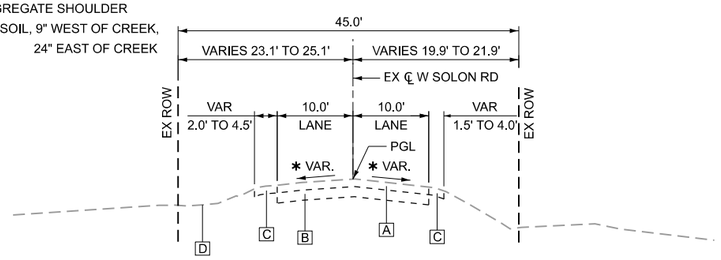
SUMMARY OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	9
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

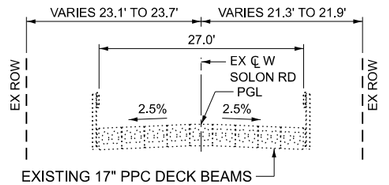
EXISTING LEGEND

A HOT-MIX ASPHALT PAVEMENT, VARIES 4" TO 9"
B GRANULAR BASE, VARIES 4" TO 8"
C AGGREGATE SHOULDER
D TOPSOIL, 9" WEST OF CREEK, 24" EAST OF CREEK



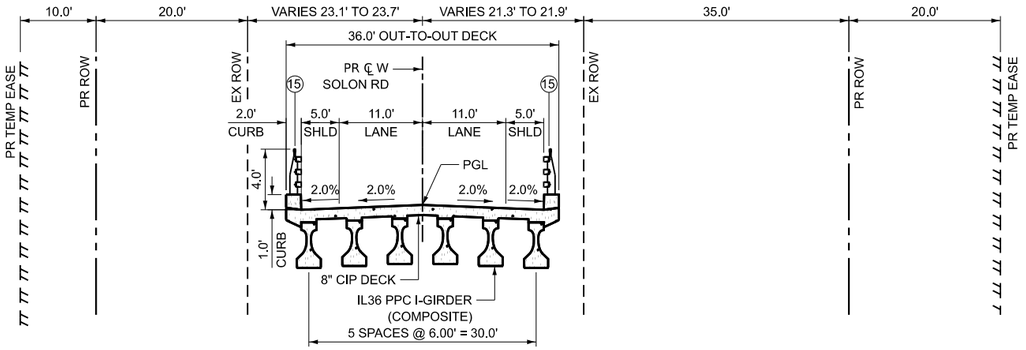
EXISTING TYPICAL SECTION

✱ EX CROSS SLOPE VARIES 3.0% TO 5.5%



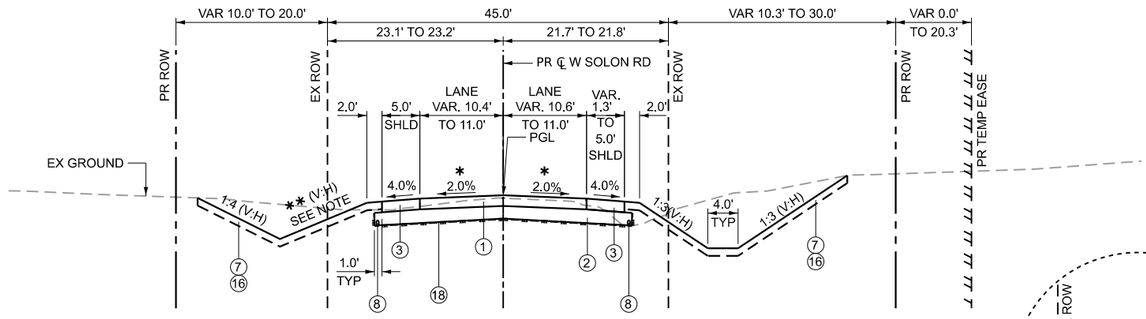
EXISTING BRIDGE TYPICAL SECTION

STA 9+57.32 TO STA 10+42.82



PROPOSED BRIDGE TYPICAL SECTION

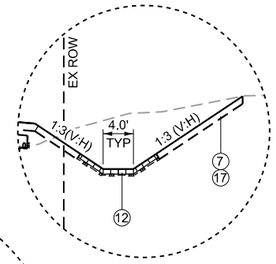
BRIDGE OMISSION: BACK TO BACK ABUTMENTS
STA. 9+49.31 TO STA. 10+49.22 (TAKEN AT ℄ WEST SOLON RD)



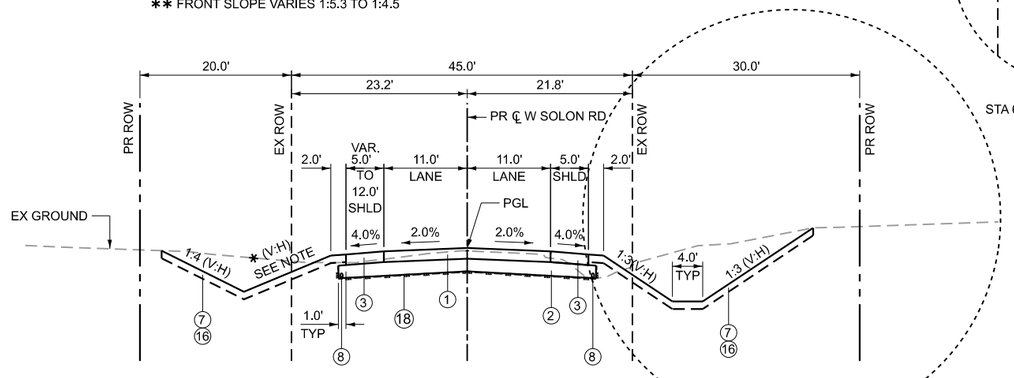
PROPOSED TYPICAL SECTION

STA 5+50 TO STA 6+10.00 (LT) STA 5+50 TO STA 6+10 (RT)

✱ LANE CROSS SLOPE TRANSITIONS FROM EXISTING TO 2.0% FROM STA. 5+50.00 TO STA. 6+10.00
✱✱ FRONT SLOPE VARIES 1:5.3 TO 1:4.5



STA 6+70.57 TO STA 7+69.18 (RT)



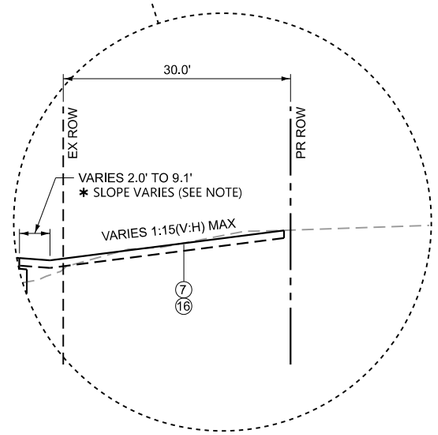
PROPOSED TYPICAL SECTION

STA 6+10.00 TO STA 8+73.83 (LT) STA 6+10.00 TO STA STA 7+82.13 (RT)
✱ FRONT SLOPE VARIES 1:4.5 TO 1:5

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes	QMP DESIGNATION
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8 1/2"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6 1/2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT SHOULDERS, 8 1/2"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6 1/2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT SHOULDERS, 2"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, N50, 3" (IN 2 LIFTS)	4% @ 50 Gyr.	LR1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" SHALL BE "PG 58-28", UNLESS MODIFIED BY RECLAIMED MATERIAL SPECIFICATIONS.
3. LONGITUDINAL JOINT SEALANT (LJS) SHALL BE APPLIED BEFORE AND AFTER THE TOP LIFT OF HMA BC IL 19.0 N50



STA 7+82.13 TO STA 8+29.00 (RT)
✱ FRONT SLOPE VARIES 4.0% TO 3.0%

PROPOSED LEGEND

1. HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8 1/2"
2. AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. HOT-MIX ASPHALT SHOULDER, 8 1/2"
4. HOT-MIX ASPHALT SHOULDER, 2"
5. STEEL PLATE BEAM GUARDRAIL, TYPE A, 9-FT POSTS OR TRAFFIC BARRIER TERMINAL AS SPECIFIED ON THE PLANS WITH GUARDRAIL REFLECTORS, TYPE A
6. AGGREGATE BASE COURSE, TYPE B, 6 1/2" (CU YD)
7. PERMANENT SEEDING, WILDLIFE FRIENDLY EROSION CONTROL BLANKET, MULCH & TEMPORARY COVER CROP (SEE SESC PLANS & LANDSCAPING PLANS FOR PERMANENT & TEMPORARY SEEDING PAY ITEMS)
8. PIPE UNDERDRAINS, TYPE 2, 4"
9. POROUS GRANULAR BACKFILL WITH GEOTECHNICAL FABRIC
10. TOPSOIL AMENDMENTS, 18" (FOR BIOSWALE)
11. ARTICULATED REVETMENT BLOCK (CLOSED CELL) WITH GEOTECHNICAL FABRIC
12. ARTICULATED REVETMENT BLOCK (OPEN CELL) WITH GEOTECHNICAL FABRIC
13. RETAINING WALL WITH MOMENT SLAB
14. STEEL RAILING (SPECIAL)
15. ROCK OUTLET PROTECTION W/ NATIVE PLANTINGS
16. TOPSOIL EXCAVATION AND PLACEMENT, 6"
17. TOPSOIL EXCAVATION AND PLACEMENT, 12"
18. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
19. EMBANKMENT (D1)
20. ROCK FILL (D1)

MODEL: Untitled [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\04_Typical Sections\W23301-sht-typ.dgn

ENGINEERING RESOURCE ASSOCIATES

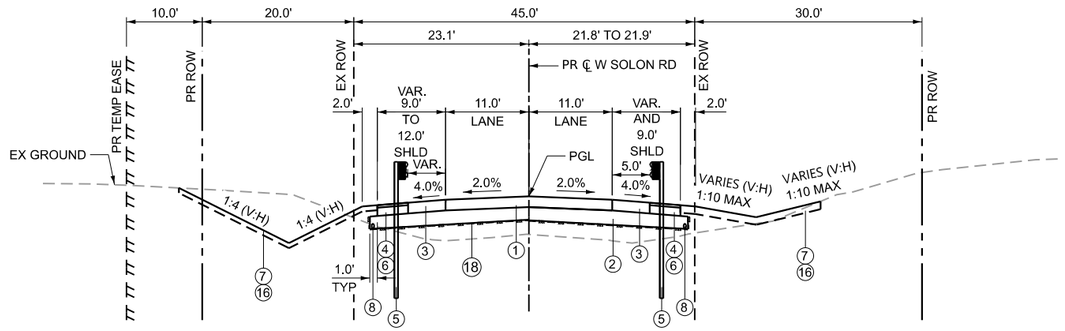
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE - 1/15/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
WEST SOLON RD OVER NB NIPPERSINK CREEK

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

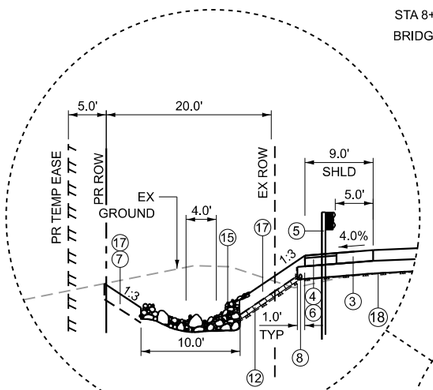
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	10
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



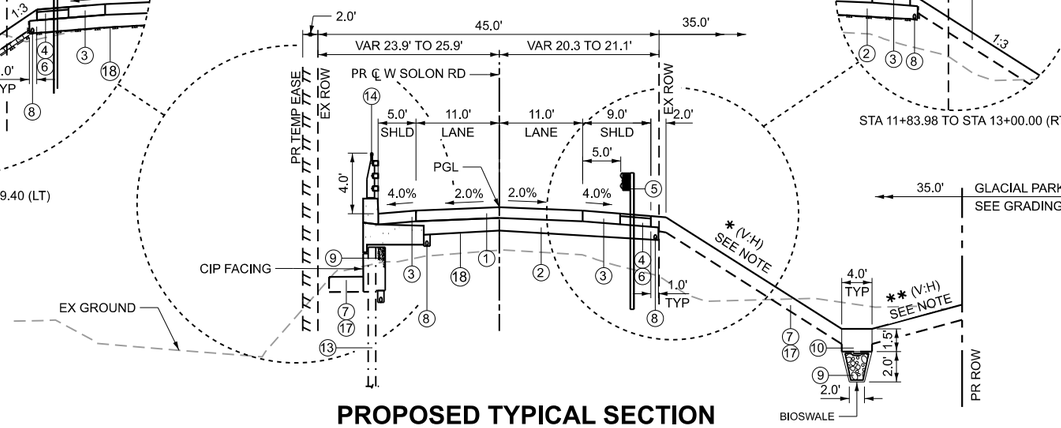
PROPOSED TYPICAL SECTION

STA 8+73.83 TO STA 9+20.31 (LT) STA 8+67.33 TO STA 9+20.31 (RT)

BRIDGE APPRAOCH CONNECTOR PAVEMENT (HMA) FROM STA. 9+10.31 TO STA. 9+20.31



STA 12+73.29 TO STA 13+29.40 (LT)



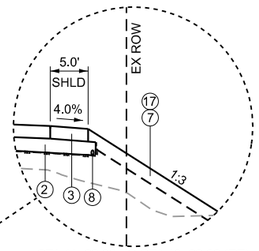
PROPOSED TYPICAL SECTION

STA 10+78.22 TO STA 12+73.29 (LT) STA 10+78.22 TO STA 12+65.64 (RT)

BRIDGE APPRAOCH CONNECTOR PAVEMENT (HMA) FROM STA. 10+78.22 TO STA. 10+88.22

* FRONT SLOPE VARIES FROM 1:2.2 TO 1:3

** BACK SLOPE VARIES FROM 1:3 TO 1:10



STA 11+83.98 TO STA 13+00.00 (RT)

PROPOSED LEGEND

1. HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8 1/2"
2. AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. HOT-MIX ASPHALT SHOULDER, 8 1/2"
4. HOT-MIX ASPHALT SHOULDER, 2"
5. STEEL PLATE BEAM GUARDRAIL, TYPE A, 9-FT POSTS OR TRAFFIC BARRIER TERMINAL AS SPECIFIED ON THE PLANS WITH GUARDRAIL REFLECTORS, TYPE A
6. AGGREGATE BASE COURSE, TYPE B, 6 1/2" (CU YD)
7. PERMANENT SEEDING, WILDLIFE FRIENDLY EROSION CONTROL BLANKET, MULCH & TEMPORARY COVER CROP (SEE SESC PLANS & LANDSCAPING PLANS FOR PERMANENT & TEMPORARY SEEDING PAY ITEMS)
8. PIPE UNDERDRAINS, TYPE 2, 4"
9. POROUS GRANULAR BACKFILL WITH GEOTECHNICAL FABRIC
10. TOPSOIL AMENDMENTS, 18" (FOR BIOSWALE)
11. ARTICULATED REVETMENT BLOCK (CLOSED CELL) WITH GEOTECHNICAL FABRIC
12. ARTICULATED REVETMENT BLOCK (OPEN CELL) WITH GEOTECHNICAL FABRIC
13. RETAINING WALL WITH MOMENT SLAB
14. STEEL RAILING (SPECIAL)
15. ROCK OUTLET PROTECTION W/ NATIVE PLANTINGS
16. TOPSOIL EXCAVATION AND PLACEMENT, 6"
17. TOPSOIL EXCAVATION AND PLACEMENT, 12"
18. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
19. EMBANKMENT (D1)
20. ROCK FILL (D1)

REMOVAL AND REPLACEMENT OF UNSTABLE OR UNSUITABLE MATERIAL AND SUBGRADE STABILITY

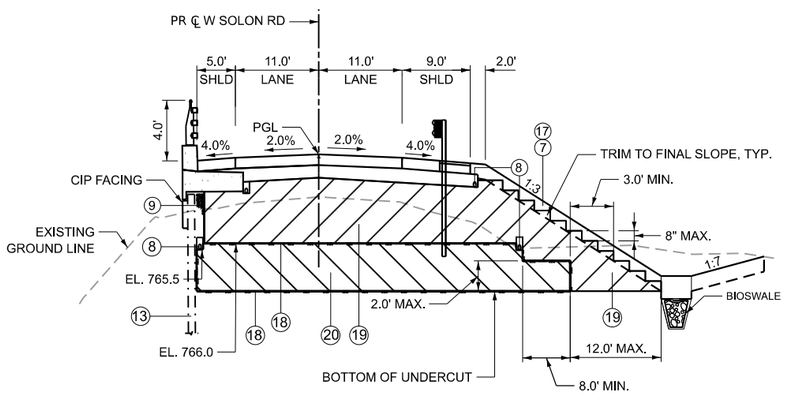
NOTES:

1. AN ALLOWANCE OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT LOCATIONS WHERE SOILS TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH THE ABOVE ITEMS WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER, AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED, AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
2. LOCATIONS IDENTIFIED TO BE UNSTABLE AND/OR UNSUITABLE DURING THE DESIGN SUBSURFACE INVESTIGATION ARE SHOWN IN THE CROSS SECTIONS AND IN TABLE 1 OF THE TYPICAL SECTIONS. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND ROCK FILL (CU YD) HAVE BEEN PROVIDED FOR USE AT THE IDENTIFIED LOCATIONS DUE TO THE PRESENCE OF HIGH GROUNDWATER. UNSTABLE AND/OR UNSUITABLE MATERIAL BELOW GROUNDWATER ELEVATION (APPROXIMATE ELEVATION 766.00) SHALL BE REMOVED, AND REPLACED WITH ROCK FILL BUT SHALL BE RESTRICTED TO THE INTERIOR OF ANY EMBANKMENT. THE ROCK FILL SHALL BE ENCAPSULATED BY GEOTECHNICAL FABRIC AND ALONG THE EMBANKMENT SHALL BE COVERED BY A MINIMUM OF 3 FT OF SOIL NOT CONSIDERED DETRIMENTAL IN TERMS OF EROSION POTENTIAL, AND FOR EXCESS VOLUME CHANGE PER THE "EMBANKMENT (D1)" SPECIAL PROVISION. THE EMBANKMENT MATERIAL SHALL BE KEYED INTO THE ROCK FILL BY STEPPING AND BENCHING AS SHOWN IN THE PROPOSED TYPICAL SECTION UNDERCUT AND BENCHING DETAIL.
3. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES, OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
4. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
5. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

TABLE 1

* LOCATIONS IDENTIFIED TO BE UNSTABLE AND/OR UNSUITABLE DURING THE DESIGN SUBSURFACE INVESTIGATION				
STATION TO STATION	TREATMENT WIDTH	TREATMENT TYPE	TREATMENT DEPTH (FT) BELOW 12 INCH AGG. SUBGRADE IMPROVEMENT	REFRENCE BORING, SUBGRADE CONCERNS
10+45 TO 11+90	ENTIRE EMBANKMENT WIDENING AREA AND ROADWAY	ROCK FILL (D1) EMBANKMENT (D1) GEOTECHINCAL FABRIC	5.0 (TO ELEV. 762.5 FT)	P1-SB-3 and RWB-02 Organic Clay and buried topsoil (Qu= <0.25 to 1 tsf, MC=35 to 88%, LL=73%)
11+90 TO 13+00	ENTIRE EMBANKMENT WIDENING AREA AND ROADWAY	ROCK FILL (D1) EMBANKMENT (D1) GEOTECHINCAL FABRIC	3.0 (TO ELEV. 764.0 FT)	P1-SB-4 and SGB-01 (Qu=< 0.25 and 0.49 tsf, MC=48%)
13+00 TO 14+05	ENTIRE ROADWAY	ROCK FILL (D1) EMBANKMENT (D1) GEOTECHINCAL FABRIC	3.5 (TO ELEV. 763.5 FT)	P1-C-2 and SGB-02 (Qu=0.5 tsf, MC=27 to 42%)

* ALL POTENTIAL UNSTABLE SOILS SHALL BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL



PROPOSED TYPICAL SECTION UNDERCUT AND BENCHING DETAIL

AT SHEET PILE RETAINING WALL AND REMOVAL OF UNSTABLE AND/OR UNSUITABLE MATERIAL

MODEL: Untitled-1 [Sheet]
FILE NAME: H:\McHenryCounty\W23301_00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\04_Typical Sections\W23301-sht-typ.dgn

ENGINEERING RESOURCE ASSOCIATES

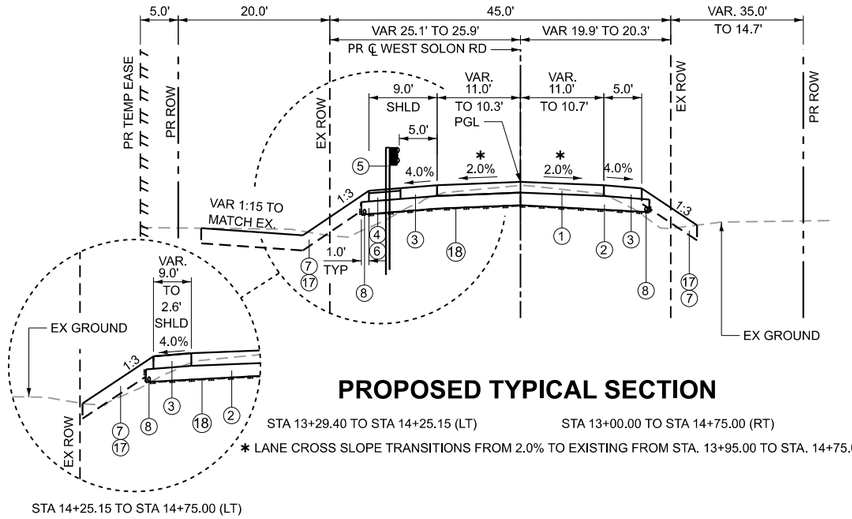
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	11
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION

STA 13+29.40 TO STA 14+25.15 (LT) STA 13+00.00 TO STA 14+75.00 (RT)

✱ LANE CROSS SLOPE TRANSITIONS FROM 2.0% TO EXISTING FROM STA. 13+95.00 TO STA. 14+75.00

STA 14+25.15 TO STA 14+75.00 (LT)

PROPOSED LEGEND

1. HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8 1/2"
2. AGGREGATE SUBGRADE IMPROVEMENT, 12"
3. HOT-MIX ASPHALT SHOULDER, 8 1/2"
4. HOT-MIX ASPHALT SHOULDER, 2"
5. STEEL PLATE BEAM GUARDRAIL, TYPE A, 9-FT POSTS OR TRAFFIC BARRIER TERMINAL AS SPECIFIED ON THE PLANS WITH GUARDRAIL REFLECTORS, TYPE A
6. AGGREGATE BASE COURSE, TYPE B, 6 1/2" (CU YD)
7. PERMANENT SEEDING, WILDLIFE FRIENDLY EROSION CONTROL BLANKET, MULCH & TEMPORARY COVER CROP (SEE SESC PLANS & LANDSCAPING PLANS FOR PERMANENT & TEMPORARY SEEDING PAY ITEMS)
8. PIPE UNDERDRAINS, TYPE 2, 4"
9. POROUS GRANULAR BACKFILL WITH GEOTECHNICAL FABRIC
10. TOPSOIL AMENDMENTS, 18" (FOR BIOSWALE)
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18. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
19. EMBANKMENT (D1)
20. ROCK FILL (D1)

ENGINEERING RESOURCE ASSOCIATES

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PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
WEST SOLON RD OVER NB NIPPERSINK CREEK

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	12
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE MAINLINE W SOLON ROAD

STATION	LENGTH	END AREAS						20200100			20400800	Z0054400	20201200	21101505		
		EARTH EXCAVATION	FILL	ROCK FILL (SEE TYPICAL SECTIONS TABLE 1 FOR LOCATIONS)	UNDERCUT (SEE TYPICAL SECTIONS TABLE 1 FOR LOCATIONS)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	EARTH EXCAVATION	EARTH EX SHRINKAGE ADJUSTED (25 %)	EMBANKMENT (D1)	FURNISHED EXCAVATION [BALANCE WASTE (+) SHORTAGE (-)]	ROCK FILL (D1)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT)	TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL TO BE PLACED	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
(XX+XX)	(FT)	(SF)	(SF)	(SF)	(SF)	(SF)	(SF)	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
4+80.00		0.0	0.0	0.0	0.0	0.0	0.0									
	20.00							0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5
5+00.00		0.0	0.0	0.0	0.0	9.4	0.0									
	39.38							3.1	2.3	0.0	2.3	0.0	0.0	21.1	0.0	21.1
5+39.38		4.3	0.0	0.0	0.0	19.6	0.0									
	10.62							7.2	5.4	0.6	4.8	0.0	0.0	12.6	1.5	11.1
5+50.00		32.2	2.9	0.0	0.0	44.6	7.5									
	50.00							73.6	55.2	8.4	46.8	0.0	0.0	87.4	21.8	65.6
6+00.00		47.3	6.2	0.0	0.0	49.8	16.0									
	50.00							118.2	88.7	10.2	78.5	0.0	0.0	94.8	36.3	58.5
6+50.00		80.4	4.8	0.0	0.0	52.6	23.2									
	50.00							200.4	150.3	7.9	142.4	0.0	0.0	76.6	34.1	42.5
7+00.00		136.0	3.7	0.0	0.0	30.1	13.6									
	2.50							12.7	9.5	0.3	9.2	0.0	0.0	2.8	1.3	1.5
7+02.50		137.3	3.7	0.0	0.0	30.1	13.6									
	47.50							195.6	146.7	10.2	136.5	0.0	0.0	72.9	35.6	37.3
7+50.00		85.1	7.9	0.0	0.0	52.8	26.9									
	50.00							89.6	67.2	48.6	18.6	0.0	0.0	97.8	48.2	49.6
8+00.00		11.7	44.6	0.0	0.0	52.8	25.2									
	44.64							68.0	51.0	57.4	-6.4	0.0	0.0	43.6	20.8	22.8
8+44.64		70.5	24.8	0.0	0.0	0.0	0.0									
	1.60							4.2	3.2	1.5	1.7	0.0	0.0	0.0	0.0	0.0
8+46.24		70.5	25.4	0.0	0.0	0.0	0.0									
	3.76							9.7	7.3	3.7	3.6	0.0	0.0	0.0	0.0	0.0
8+50.00		69.3	27.5	0.0	0.0	0.0	0.0									
	50.00							90.9	68.2	101.6	-33.4	0.0	0.0	53.9	20.5	33.4
9+00.00		28.9	82.2	0.0	0.0	58.2	22.1									
	49.31							169.6	127.2	141.2	-14.0	0.0	0.0	118.1	32.1	86.0
9+49.31		156.8	72.4	0.0	0.0	71.1	13.1									
BRIDGE LIMITS AND CREEK OMISSION: STA. 9+49,31 TO STA. 10+49,22 (SEE WB NIPPERSINK CREEK CROSS SECTIONS)																
10+49.22		10.3	498.1	153.3	383.7	149.9	0.0									
	50.8							17.6	13.2	645.9	-632.7	285.8	678.2	278.6	63.9	214.7
11+00.00		8.4	492.3	150.5	337.2	146.2	67.9									
	50.0							13.0	9.8	631.7	-621.9	283.0	599.2	468.1	213.8	254.3
11+50.00		5.6	495.6	155.1	309.9	359.3	163.0									
	50.0							48.8	36.6	510.9	-474.3	217.2	455.1	698.9	323.4	375.5
12+00.00		47.1	290.8	79.5	181.6	395.5	186.3									
	50.0							44.0	33.0	330.1	-297.1	140.2	317.3	558.4	234.5	323.9
12+50.00		0.4	217.1	71.9	161.1	207.6	67.0									
	39.79							22.0	16.5	207.6	-191.1	109.5	267.4	276.8	70.7	206.1
12+89.79		29.4	213.2	76.7	201.8	168.1	28.9									
	10.2							10.4	7.8	33.1	-25.3	32.3	69.5	61.9	13.7	48.2
13+00.00		25.6	133.1	94.3	166.3	159.8	43.5									
	50.0							28.6	21.5	78.1	-56.6	174.6	306.3	241.5	69.4	172.1
13+50.00		5.3	139.8	94.3	164.5	101.0	31.4									
	50.0							4.9	3.7	121.1	-117.4	174.6	299.4	208.2	56.1	152.1
14+00.00		0.0	179.6	94.3	158.8	123.9	29.2									
	50.0							22.9	17.2	114.6	-97.4	87.3	147.0	213.1	42.1	171.0
14+50.00		24.7	38.5	0.0	0.0	106.2	16.3									
	25.0							11.4	8.6	23.9	-15.3	0.0	0.0	79.0	11.7	67.3
14+75.00		0.0	13.1	0.0	0.0	64.5	9.0									
	3.4							0.0	0.0	0.8	-0.8	0.0	0.0	4.1	0.6	3.5
14+78.37		0.0	0.0	0.0	0.0	0.0	0.0									
	11.6							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14+89.99		0.0	0.0	0.0	0.0	0.0	0.0									
							TOTAL	1266.4	950.1	3089.4	-2139.3	1504.5	3139.4	3773.7	1352.1	2421.6
							ADJUSTED	1270	955	3090	2140	1505	3140	3775	1355	2425

EARTHWORK NOTES:

1. EARTH EXCAVATION, STOCKPILE (IF REQUIRED) AND SUBSEQUENT PLACEMENT (WHEN APPLICABLE) SHALL ONLY BE MEASURED AND PAID FOR ONCE, NOT EACH TRANSPORT. ALL STOCKPILES TO BE APPROVED OF BY ENGINEER. THE STOCKPILING INFORMATION IS TO BE INCLUDED IN THE CONTRACT DOCUMENTS.
2. EXISTING TOPSOIL EXCAVATION SHALL BE MEASURED IN PLACE AND PAID PER CUBIC YARD AS "TOPSOIL EXCAVATION AND PLACEMENT". EXISTING TOPSOIL IS ASSUMED TO BE SUITABLE FOR PROPOSED TOPSOIL. AN ESTIMATED EXISTING TOPSOIL DEPTH OF 9" WEST OF THE CREEK AND 24" EAST OF THE CREEK WAS DETERMINED DURING THE SUBSURFACE INVESTIGATION AND USED FOR EXCAVATION VOLUME CALCULATIONS. THE ACTUAL REMOVAL DEPTH AND THE QUANTITY OF TOPSOIL REMOVAL SHOULD BE VERIFIED IN THE FIELD.
3. TOPSOIL STRIPPED IN EXCESS OF THAT REQUIRED FOR THE CONTRACT, SHALL BE REMOVED PER ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN THE COST OF THE INITIAL "TOPSOIL EXCAVATION AND PLACEMENT".
4. THE SHRINKAGE FACTOR SHALL BE 25%
5. FOR REMOVAL AND REPLACEMENT OF UNSTABLE OR UNSUITABLE MATERIAL AND SUBGRADE STABILITY DETAILS AND NOTES SEE TYPICAL SECTIONS.

MODEL: Mainline Earthwork Schedule [Sheet]
FILE NAME: I:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleEarthwork.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF EARTHWORK MAINLINE
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	13
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK SCHEDULE NORTH BRANCH (WB) NIPPERSINK CREEK																
		END AREAS							20300100		20400800	Z0054400	20201200	21101505		
STATION	LENGTH	CHANNEL EXCAVATION	FILL	ROCK FILL (SEE TYPICAL SECTIONS TABLE 1 FOR LOCATIONS)	UNDERCUT (SEE TYPICAL SECTIONS TABLE 1 FOR LOCATIONS)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	MATERIAL FOR STREAMBANK ESTABLISHMENT	CHANNEL EXCAVATION	EMBANKMENT (D1)	FURNISHED EXCAVATION [BALANCE WASTE (+) SHORTAGE (-)]	ROCK FILL (D1)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT)	TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL TO BE PLACED	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
(XX+XX)	(FT)	(SF)	(SF)	(SF)	(SF)	(SF)	(SF)	(SF)	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
800+00.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0								
	23								43.6	0.0	0.0	0.0	0.0	10.6	6.2	4.4
800+22.97		102.4	0.0	0.0	0.0	24.8	14.5	0.0								
	20								126.3	11.8	-11.8	0.0	2.8	28.8	5.4	23.4
800+42.51		238.7	31.8	0.0	7.5	53.0	0.0	94.4								
	22								188.3	40.6	-40.6	5.6	36.3	51.9	0.0	51.9
800+65.00		223.4	81.7	13.7	81.7	74.5	0.0	75.0								
	15								137.7	37.8	-37.8	7.6	45.4	20.7	0.0	20.7
800+80.00		272.4	81.7	13.7	81.7	0.0	0.0	75.0								
	15								135.6	37.8	-37.8	7.6	45.4	18.8	0.0	18.8
800+95.00		215.6	81.7	13.7	81.7	67.8	0.0	75.0								
	16								110.2	37.0	-37.0	4.1	41.1	39.8	0.0	39.8
801+11.11		156.2	57.0	0.0	57.0	66.4	0.0	77.8								
	12								38.4	12.8	-12.8	0.0	12.7	27.8	3.0	24.8
801+23.04		16.5	0.8	0.0	0.0	58.7	13.4	0.0								
	7								2.1	0.1	-0.1	0.0	0.0	7.6	1.7	5.9
801+30.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0								
									0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								TOTAL		782,2	177,9	-177,9	24,9	183,7	206,0	16,3	189,7
								ADJUSTED		785	180	180	25	185	210	20	190

EARTHWORK NOTES;

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4. THE SHRINKAGE FACTOR SHALL BE 25%
5. FOR REMOVAL AND REPLACEMENT OF UNSTABLE OR UNSUITABLE MATERIAL AND SUBGRADE STABILITY DETAILS AND NOTES SEE TYPICAL SECTIONS.

	EARTHWORK SUMMARY	MAINLINE W SOLON ROAD	NIPPERSINK CREEK
LINE		(CU YD)	(CU YD)
1	PROPOSED TOPSOIL (6" WEST OF CREEK AND 12" EAST OF CREEK)	1355.0	20.0
2	TOPSOIL EXCAVATION AND PLACEMENT	3775.0	210.0
3	TOTAL TOPSOIL EXCAVATION AND PLACEMENT (TOTAL LINE 2)	3985.0	
4	POTENTIAL TOPSOIL SURPLUS (LINE 2 MINUS LINE 1)	2420.0	190.0
5	TOTAL POTENTIAL TOPSOIL SURPLUS	2610.0	
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL UNDERCUTS (PER GEOTECH REPORT)	3140.0	185.0
7	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL UNDERCUTS (ALLOWANCE TO BE DETERMINED IN THE FIELD)	687.0	0.0
8	TOTAL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL UNDERCUTS (TOTAL LINE 6 AND 7)	4012.0	
9	TOTAL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (ADJUSTED TOTAL OF LINES 5 AND 8)	6625.0	
10	AGGREGATE SUBGRADE IMPROVEMENT (CU YD) ALLOWANCE (TO BE DETERMINED IN THE FIELD)	687.0	0.0
11	EARTH EXCAVATION	1270.0	0.0
12	TOTAL EARTH EXCAVATION (TOTAL LINE 11)	1270.0	
13	CHANNEL EXCAVATION	0.0	785.0
14	TOTAL CHANNEL EXCAVATION (TOTAL LINE 13)	785.0	
15	FURNISHED EXCAVATION REQUIRED	2140.0	180.0
16	TOTAL FURNISHED EXCAVATION REQUIRED (TOTAL LINE 15)	2320.0	
17	ROCK FILL	1505.0	25.0
18	TOTAL ROCK FILL (TOTAL LINE 17)	1530.0	

MODEL: Creek Earthwork Schedule [Sheet]
FILE NAME: I:\McHenryCounty\W23301.00 West Sdon Phase III\CADD\CADD ORD 23-0?01_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleEarthwork.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF EARTHWORK CREEK AND EARTHWORK SUMMARY
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	14
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF TEMPORARY FENCE
20101000

START STATION	END STATION	LOCATION	QUANTITY (FOOT)
11+00.0	11+50.0	LT	19.0
11+50.0	12+00.0	LT	50.0
11+50.0	12+00.0	RT	31.0
12+00.0	12+50.0	LT	20.0
12+00.0	12+50.0	RT	148.0
12+50.0	13+00.0	RT	56.0
13+00.0	13+50.0	RT	60.0
13+50.0	14+00.0	RT	72.0
14+00.0	14+50.0	RT	51.0
14+50.0	15+00.0	LT	62.0
14+50.0	15+00.0	RT	39.0
15+00.0	15+40.0	LT	41.0
15+00.0	15+40.0	RT	42.0
STATION			
6+55.1		56.61' LT	19.0
6+88.9		59.62' RT	41.0
8+20.1		58.51' LT	62.0
9+48.5		65.27' LT	31.0
14+80.4		24.40' RT	8.0
14+82.3		22.62' RT	8.0
		TOTAL:	860.0
		ADJUSTED TOTAL:	860

SCHEDULE OF PERIMETER EROSION BARRIER (SPECIAL)
X2800400

START STATION	END STATION	LOCATION	QUANTITY FOOT
8+50.0	9+00.0	LT	68.0
8+50.0	9+00.0	RT	78.0
9+00.0	9+50.0	LT	34.0
9+00.0	9+50.0	RT	77.0
9+50.0	W CREEK LIMITS	RT	20.0
E CREEK LIMITS	10+50.0	LT	15.0
E CREEK LIMITS	10+50.0	RT	20.0
10+50.0	11+00.0	LT	78.0
10+50.0	11+00.0	RT	65.0
11+00.0	11+50.0	LT	51.0
11+00.0	11+50.0	RT	112.0
11+50.0	12+00.0	LT	50.0
11+50.0	12+00.0	RT	78.0
12+00.0	12+50.0	LT	73.0
12+00.0	12+50.0	RT	147.0
12+50.0	13+00.0	LT	50.0
12+50.0	13+00.0	RT	56.0
13+00.0	13+50.0	LT	50.0
13+00.0	13+50.0	RT	60.0
13+50.0	14+00.0	LT	50.0
13+50.0	14+00.0	RT	71.0
14+00.0	14+50.0	LT	50.0
14+00.0	14+50.0	RT	51.0
14+50.0	15+00.0	LT	73.0
14+50.0	15+00.0	RT	10.0
		TOTAL:	1487.0
		ADJUSTED TOTAL:	1487

SCHEDULE OF PERIMETER EROSION BARRIER
28000400

START STATION	END STATION	LOCATION	QUANTITY (FOOT)
4+80.0	5+00.0	RT	20.0
5+00.0	5+50.0	LT	17.0
5+00.0	5+50.0	RT	71.0
5+50.0	6+00.0	LT	50.0
5+50.0	6+00.0	RT	50.0
6+00.0	6+50.0	LT	45.0
6+00.0	6+50.0	RT	50.0
6+50.0	7+00.0	LT	72.0
6+50.0	7+00.0	RT	23.0
7+00.0	7+50.0	LT	82.0
7+00.0	7+50.0	RT	45.0
7+50.0	8+00.0	LT	50.0
7+50.0	8+00.0	RT	50.0
8+00.0	8+50.0	LT	7.0
8+00.0	8+50.0	RT	77.0
MATERIAL STOCKPILE			400.0
		TOTAL:	1109.0
		ADJUSTED TOTAL:	1109

SCHEDULE OF INLET FILTERS
28000510

STATION	LOCATION	QUANTITY (EACH)
7+68.1	29.00' RT	1
8+35.4	26.03' RT	1
9+05.8	28.21' RT	1
	TOTAL:	3

SCHEDULE OF INLET AND PIPE PROTECTION
28000510

STATION	LOCATION	QUANTITY (EACH)
7+68.1	29.00' RT	1
8+35.4	26.03' RT	1
9+05.8	28.21' RT	1
	TOTAL:	3

SCHEDULE OF MOWING CYCLES
K1003660

LOCATION	2026 DURATION *6/1/26 TO 10/14/26*	FREQUENCY	QUANTITY (EACH)
PROJECT LIMITS	20 WEEKS	1/ WEEK	20
	2027 DURATION *3/15/27 TO 6/28/27*		
PROJECT LIMITS	15 WEEKS	1/ WEEK	15
		TOTAL:	35

SCHEDULE OF WILDLIFE FRIENDLY EROSION CONTROL BLANKET
25100645

START STATION	END STATION	LOCATION	SQ YD
4+80.0	5+00.0	RT	24.8
5+00.0	5+50.0	LT	16.5
5+00.0	5+50.0	RT	101.6
5+50.0	6+00.0	LT	113.6
5+50.0	6+00.0	RT	204.3
6+00.0	6+50.0	LT	142.3
6+00.0	6+50.0	RT	198.7
6+50.0	7+00.0	LT	225.4
6+50.0	7+00.0	RT	198.8
7+00.0	7+50.0	LT	207.2
7+00.0	7+50.0	RT	199.0
7+50.0	8+00.0	LT	150.9
7+50.0	8+00.0	RT	199.1
8+00.0	8+50.0	LT	157.1
8+00.0	8+50.0	RT	213.2
8+50.0	9+00.0	LT	194.8
8+50.0	9+00.0	RT	199.2
9+00.0	9+50.0	LT	183.7
9+00.0	9+50.0	RT	214.2
9+50.0	W CREEK LIMITS	LT	115.9
9+50.0	W CREEK LIMITS	RT	123.0
E CREEK LIMITS	10+50.0	LT	81.7
E CREEK LIMITS	10+50.0	RT	60.3
10+50.0	11+00.0	LT	75.1
10+50.0	11+00.0	RT	236.7
11+00.0	11+50.0	LT	45.4
11+00.0	11+50.0	RT	552.8
11+50.0	12+00.0	LT	46.5
11+50.0	12+00.0	RT	1023.8
12+00.0	12+50.0	LT	47.4
12+00.0	12+50.0	RT	769.4
12+50.0	13+00.0	LT	91.0
12+50.0	13+00.0	RT	215.9
13+00.0	13+50.0	LT	103.2
13+00.0	13+50.0	RT	140.9
13+50.0	14+00.0	LT	167.1
13+50.0	14+00.0	RT	120.7
14+00.0	14+50.0	LT	170.4
14+00.0	14+50.0	RT	87.8
14+50.0	14+80.0	LT	96.8
14+50.0	14+90.0	RT	44.3
		TOTAL:	7560.5

SCHEDULE OF TEMPORARY DITCH CHECKS
28000305

START STATION	END STATION	LOCATION	QUANTITY (FOOT)
CHECK STRUCTURES			
5+70.0		RT	10.0
5+95.0		LT	10.0
6+09.0		RT	10.0
6+34.0		LT	10.0
6+43.0		RT	15.0
6+65.0		RT	15.0
6+66.0		LT	15.0
7+45.0		RT	15.0
7+77.0		LT	15.0
8+10.0		LT	15.0
9+02.0		LT	15.0
9+35.0		LT	15.0
10+96.0		RT	15.0
11+82.0		RT	15.0
13+35.0		LT	15.0
BATTER EROSION CONTROL			
9+52.0		RT	35.0
9+53.0		LT	20.0
9+59.0		RT	35.0
9+60.0		LT	15.0
9+64.0		LT	15.0
9+67.0		RT	35.0
9+70.0		LT	15.0
9+72.0		RT	30.0
9+75.0		LT	15.0
9+76.0		RT	30.0
9+80.0		LT	15.0
6+50.00	7+00.00	LT	20.0
6+50.00	7+00.00	RT	35.0
8+00.00	8+50.00	LT	65.0
10+50.00	11+00.00	RT	21.6
11+00.00	11+50.00	RT	150.6
11+50.00	12+00.00	RT	151.1
12+00.00	12+50.00	RT	150.5
12+50.00	13+00.00	RT	138.7
13+00.00	13+50.00	LT	20.8
13+00.00	13+50.00	RT	91.5
13+50.00	14+00.00	LT	50.0
14+00.00	14+50.00	LT	37.7
14+50.00	15+00.00	LT	20.2
14+50.00	15+00.00	RT	28.6
15+00.00	15+40.00	LT	44.2
15+00.00	15+40.00	RT	44.0
		TOTAL:	1534.5
		ADJUSTED TOTAL:	1535

SCHEDULE OF STUMP REMOVAL
X2010404

STATION	LOCATION	DESCRIPTION TYPE	DESCRIPTION SIZE (IN)	QUANTITY (EACH)
6+26.57	22.45' LT	STUMP (SYCAMORE)	25	1
9+30.76	39.34' RT	STUMP (SHAGBARK HICKORY)	6	1
9+31.55	24.36' RT	STUMP (SHAGBARK HICKORY)	6	1
9+47.10	31.61' RT	STUMP (BUR OAK)	30	1
9+57.32	74.60' RT	STUMP (BOXELDER SNAG)	10	1
9+65.17	37.17' LT	STUMP (WHITE OAK)	32	1
9+67.75	64.96' RT	STUMP (BUR OAK)	30	1
9+76.17	23.67' LT	STUMP (AMERICAN ELM)	28	1
13+00.63	40.70' LT	STUMP (BOXELDER)	26	1
13+75.15	32.95' LT	STUMP (UNKNOWN)	16	1
14+00.00	34.91' LT	STUMP (UNKNOWN)	3	1
14+63.93	34.33' LT	STUMP (BOXELDER)	20	1
			TOTAL:	12

SCHEDULE OF RIVER ROCK
X1800002

LOCATION	QUANTITY (TON)
W CREEK BANK	40.3
E CREEK BANK	42.7
TOTAL:	83.0
ADJUSTED TOTAL:	83

SCHEDULE OF STONE RIPRAP, CLASS A3
28100205

STATION	LOCATION	QUANTITY (TON)
6+82.0	LT	3.0
7+23.5	LT	3.0
8+26.6	LT	3.0
8+66.8	LT	3.0
	TOTAL:	12.0
	ADJUSTED TOTAL:	12

SCHEDULE OF STONE RIPRAP, CLASS A3 (SPECIAL)
X2810206

STATION	STATION	LOCATION	QUANTITY (TON)
12+00	13+50	LT	56.6
12+00	13+00	RT	46.3
		TOTAL:	102.9
		ADJUSTED TOTAL:	103

SCHEDULE OF TREE ROOT PRUNING
20101200

STATION	LOCATION	QUANTITY (EACH)
6+55.14	56.61' LT	1
6+88.90	59.62' RT	1
8+20.06	58.51' LT	1
9+47.85	65.01' LT	1
14+80.36	24.40' RT	1
14+82.27	22.62' RT	1
	TOTAL:	6

SCHEDULE OF TREE PRUNING (OVER 10 INCH DIAMETER)
20101350

STATION	LOCATION	QUANTITY (EACH)
6+55.14	56.61' LT	1
6+88.90	59.62' RT	1
8+20.06	58.51' LT	1
9+48.46	65.27' LT	1
14+80.36	24.40' RT	1
14+82.27	22.62' RT	1
	TOTAL:	6

MODEL: Rdwy Schedule [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleRdwy.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 3 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	15
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF AGGREGATE SUBGRADE IMPROVEMENT 12"			
30300112			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
5+39.4	5+50.0	LT	7.7
5+50.0	6+00.0	LT/RT	183.1
6+00.0	6+50.0	LT/RT	188.9
6+50.0	7+00.0	LT/RT	192.9
7+00.0	7+50.0	LT/RT	197.8
7+50.0	8+00.0	LT/RT	188.9
8+00.0	8+50.0	LT/RT	204.7
8+50.0	9+00.0	LT/RT	280.6
9+00.0	W BRIDGE LIMITS	LT/RT	107.1
E BRIDGE LIMITS	11+00.0	LT/RT	72.4
11+00.0	11+50.0	LT/RT	172.2
11+50.0	12+00.0	LT/RT	159.8
12+00.0	12+50.0	LT/RT	150.0
12+50.0	13+00.0	LT/RT	182.7
13+00.0	13+50.0	LT/RT	211.1
13+50.0	14+00.0	LT/RT	211.1
14+00.0	14+50.0	LT/RT	208.3
14+50.0	14+75.0	LT/RT	87.2
14+50.0	14+78.3	LT	1.2
		TOTAL:	3007.7
		ADJUSTED TOTAL:	3008

SCHEDULE OF LONGITUDINAL JOINT SEALANT			
40600370			
START STATION	END STATION	LOCATION	QUANTITY (FOOT)
5+50.00	6+00.00	CENTERLINE	50.0
6+00.00	6+50.00	CENTERLINE	50.0
6+50.00	7+00.00	CENTERLINE	50.0
7+00.00	7+50.00	CENTERLINE	50.0
7+50.00	8+00.00	CENTERLINE	50.0
8+00.00	8+50.00	CENTERLINE	50.0
8+50.00	9+00.00	CENTERLINE	50.0
9+00.00	W BRIDGE LIMITS	CENTERLINE	20.3
E BRIDGE LIMITS	11+00.00	CENTERLINE	21.8
11+00.00	11+50.00	CENTERLINE	50.0
11+50.00	12+00.00	CENTERLINE	50.0
12+00.00	12+50.00	CENTERLINE	50.0
12+50.00	13+00.00	CENTERLINE	50.0
13+00.00	13+50.00	CENTERLINE	50.0
13+50.00	14+00.00	CENTERLINE	50.0
14+00.00	14+50.00	CENTERLINE	50.0
14+50.00	14+75.00	CENTERLINE	25.0
		TOTAL (1 APPLICATION):	767.1
		ADJUSTED TOTAL:	768

SCHEDULE OF AGGREGATE BASE COURSE, TYPE B			
35101500			
START STATION	END STATION	LOCATION	QUANTITY (CU YD)
8+56.37	9+00.00	RT	5.4
8+73.83	9+00.00	LT	2.1
9+00.00	9+41.72	RT	2.9
9+00.00	9+49.31	LT	3.4
10+63.22	11+00.00	RT	2.6
11+00.00	11+50.00	RT	4.0
12+73.29	13+00.00	RT	2.1
13+00.00	13+50.00	LT	4.0
13+50.00	14+00.00	LT	4.0
14+00.00	14+22.62	LT	1.8
		TOTAL:	32.3
		ADJUSTED TOTAL:	33

SCHEDULE OF BITUMINOUS MATERIALS (PRIME COAT)						
40600275						
START STATION	END STATION	HMA PAVEMENT, 8 1/2" (SF)	HMA SHOULDERS 2" (SF)	HMA SHOULDERS, 8 1/2" (SF)	TOTAL AREA (SF)	QUANTITY (POUND)
5+38.2	5+50.0			65.6	65.6	16.4
5+50.0	6+00.0	1082.6		466.9	1549.5	387.4
6+00.0	6+50.0	1100.0		500.0	1600.0	400.0
6+50.0	7+00.0	1100.0		536.0	1636.0	409.0
7+00.0	7+50.0	1100.0		580.1	1680.1	420.0
7+50.0	8+00.0	1100.0		500.0	1600.0	400.0
8+00.0	8+50.0	1100.0		642.2	1742.2	435.6
8+50.0	9+00.0	1100.0	375.4	919.5	2394.9	598.7
9+00.0	9+50.0	446.6	337.0	109.5	893.1	223.3
10+50.0	11+00.0	479.6	135.2	118.0	732.8	183.2
11+00.0	11+50.0	1100.0	200.0	503.5	1803.5	450.9
11+50.0	12+00.0	1100.0		581.7	1681.7	420.4
12+00.0	12+50.0	1100.0		500.0	1600.0	400.0
12+50.0	13+00.0	1100.0	106.8	500.0	1706.8	426.7
13+00.0	13+50.0	1100.0	200.0	500.0	1800.0	450.0
13+50.0	14+00.0	1100.0	200.0	500.0	1800.0	450.0
14+00.0	14+50.0	1098.4	90.8	586.4	1775.6	443.9
14+50.0	15+00.0	669.5		207.9	877.4	219.4
					TOTAL:	6734.9
					ADJUSTED TOTAL:	6735

SCHEDULE OF BITUMINOUS MATERIALS (TACK COAT)					
40600290					
START STATION	END STATION	HMA PAVEMENT, 8 1/2" (SF)	HMA SHOULDERS, 8 1/2" (SF)	TOTAL AREA (SF)	QUANTITY (POUND)
5+38.2	5+50.0		65.6	65.6	3.3
5+50.0	6+00.0	1082.6	466.9	1549.5	77.5
6+00.0	6+50.0	1100.0	500.0	1600.0	80.0
6+50.0	7+00.0	1100.0	536.0	1636.0	81.8
7+00.0	7+50.0	1100.0	580.1	1680.1	84.0
7+50.0	8+00.0	1100.0	500.0	1600.0	80.0
8+00.0	8+50.0	1100.0	642.2	1742.2	87.1
8+50.0	9+00.0	1100.0	919.5	2019.5	101.0
9+00.0	9+50.0	446.6	109.5	556.1	27.8
10+50.0	11+00.0	479.6	118.0	597.6	29.9
11+00.0	11+50.0	1100.0	503.5	1603.5	80.2
11+50.0	12+00.0	1100.0	581.7	1681.7	84.1
12+00.0	12+50.0	1100.0	500.0	1600.0	80.0
12+50.0	13+00.0	1100.0	500.0	1600.0	80.0
13+00.0	13+50.0	1100.0	500.0	1600.0	80.0
13+50.0	14+00.0	1100.0	500.0	1600.0	80.0
14+00.0	14+50.0	1098.4	586.4	1684.8	84.2
14+50.0	15+00.0	669.5	207.9	877.4	43.9
				TOTAL:	1264.8
				ADJUSTED TOTAL:	1265

SCHEDULE OF AGGREGATE BASE COURSE, TYPE B 6"			
35101800			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
6+86.49	7+15.49	LT	80.6
8+29.00	8+53.18	RT	100.4
8+33.65	8+55.32	LT	58.6
		TOTAL:	239.6
		ADJUSTED TOTAL:	240

MODEL: Rdwy Schedule-1 [Sheet]
FILE NAME: I:\McHenryCounty\W223301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\05_Schedule of Quantities\W223301-sht-scheduleRdwy.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	16
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/2"			
40701851			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
5+50.00	6+00.00	LT/RT	119.5
6+00.00	6+50.00	LT/RT	122.2
6+50.00	7+00.00	LT/RT	122.2
7+00.00	7+50.00	LT/RT	122.2
7+50.00	8+00.00	LT/RT	122.2
8+00.00	8+50.00	LT/RT	122.2
8+50.00	9+00.00	LT/RT	122.2
9+00.00	W BRIDGE LIMITS	LT/RT	25.2
E BRIDGE LIMITS	11+00.00	LT/RT	28.8
11+00.00	11+50.00	LT/RT	122.2
11+50.00	12+00.00	LT/RT	122.2
12+00.00	12+50.00	LT/RT	122.2
12+50.00	13+00.00	LT/RT	122.2
13+00.00	13+50.00	LT/RT	122.2
13+50.00	14+00.00	LT/RT	122.2
14+00.00	14+50.00	LT/RT	121.6
14+50.00	14+75.00	LT/RT	59.3
		TOTAL:	1820.8
		ADJUSTED TOTAL:	1821

SCHEDULE OF HOT-MIX ASPHALT SHOULDERS, 8 1/2"			
48203031			
			QUANTITY
START STATION	END STATION	LOCATION	(SQ YD)
5+38.2	5+40.5	LT	0.7
5+40.5	5+50.0	LT	5.8
5+50.0	6+00.0	LT	29.3
6+00.0	6+50.0	LT	27.8
6+50.0	6+86.5	LT	20.3
6+86.5	6+89.5	LT	2.2
6+89.5	7+20.7	LT	27.7
7+20.7	7+32.7	LT	8.7
7+32.7	7+50.0	LT	9.6
7+50.0	8+00.0	LT	27.8
8+00.0	9+10.3	LT	102.1
BRIDGE OMISSION			
10+88.2	11+00.0	LT	6.5
11+00.0	11+50.0	LT	27.8
11+50.0	12+00.0	LT	27.8
12+00.0	12+50.0	LT	27.8
12+50.0	13+00.0	LT	27.7
13+00.0	13+50.0	LT	27.8
13+50.0	14+00.0	LT	27.8
14+00.0	14+78.4	LT	50.5
5+50.0	5+75.1	RT	8.7
5+75.1	6+00.0	RT	13.9
6+00.0	6+50.0	RT	27.8
6+50.0	7+00.0	RT	27.8
7+00.0	7+50.0	RT	27.8
7+50.0	8+00.0	RT	27.8
8+00.0	8+51.5	RT	28.6
8+51.5	9+00.0	RT	49.1
9+00.0	9+10.3	RT	5.7
BRIDGE OMISSION			
10+88.2	11+00.0	RT	6.5
11+00.0	11+50.0	RT	27.8
11+50.0	12+00.0	RT	37.6
12+00.0	12+50.0	RT	27.8
12+50.0	13+00.0	RT	27.8
13+00.0	13+50.0	RT	27.8
13+50.0	14+00.0	RT	27.8
14+00.0	14+50.0	RT	27.8
14+50.0	14+75.0	RT	9.7
		TOTAL:	923.5
		ADJUSTED TOTAL:	924

SCHEDULE OF PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB			
42000080			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
9+10.31	W BRIDGE APPROACH	LT/RT	35.6
E BRIDGE APPROACH	10+88.22	LT/RT	35.6
		TOTAL:	71.2
		ADJUSTED TOTAL:	72

SCHEDULE OF WELDED WIRE REINFORCEMENT			
42000060			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
9+10.31	W BRIDGE APPROACH	LT/RT	24.4
E BRIDGE APPROACH	10+88.22	LT/RT	24.4
		TOTAL:	48.8
		ADJUSTED TOTAL:	49

SCHEDULE OF PAVEMENT REMOVAL			
44000100			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
5+39.05	5+50.00	LT	1.6
5+50.00	5+56.15	LT/RT	14.9
5+56.15	5+58.66	LT/RT	6.0
5+58.66	6+00.00	LT/RT	96.3
6+00.00	6+50.00	LT/RT	115.7
6+50.00	6+87.72	LT/RT	87.7
6+87.72	7+00.00	LT/RT	33.0
7+00.00	7+12.93	LT/RT	37.4
7+12.93	7+23.61	LT/RT	30.2
7+23.61	7+48.07	LT/RT	62.8
7+48.07	8+00.00	LT/RT	118.1
8+00.00	8+21.06	LT/RT	50.4
8+21.06	8+31.81	LT/RT	29.0
8+31.81	9+00.00	LT/RT	188.4
9+00.00	9+58.00	LT/RT	145.9
10+41.86	11+00.00	LT/RT	147.5
11+00.00	11+50.00	LT/RT	116.6
11+50.00	12+00.00	LT/RT	116.4
12+00.00	12+50.00	LT/RT	116.9
12+50.00	13+00.00	LT/RT	116.8
13+00.00	13+34.57	LT/RT	81.1
13+34.57	13+53.94	LT/RT	48.4
13+53.94	14+00.00	LT/RT	107.0
14+00.00	14+50.00	LT/RT	119.4
14+50.00	14+75.00	LT/RT	58.3
		TOTAL:	2045.8
		ADJUSTED TOTAL:	2046

SCHEDULE FOR DRIVEWAY PAVEMENT REMOVAL		
44000200		
		QUANTITY
STATION	LOCATION	(SQ YD)
7+02.5	LT	72.3
8+44.6	RT	113.4
8+46.2	LT	76.3
	TOTAL:	262.0
	ADJUSTED TOTAL:	262

SCHEDULE OF HOT-MIX ASPHALT SHOULDERS, 2"			
48203005			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
8+56.4	9+00.0	RT	30.1
8+73.83	9+00.00	LT	11.6
9+00.00	9+41.72	RT	16.0
9+00.00	9+49.31	LT	19.0
10+63.22	11+00.00	RT	14.2
11+00.00	11+50.00	RT	22.2
12+73.29	13+00.00	RT	11.9
13+00.00	13+50.00	LT	22.2
13+50.00	14+00.00	LT	22.2
14+00.00	14+22.62	LT	10.1
		TOTAL:	179.5
		ADJUSTED TOTAL:	180

SCHEDULE OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION			
21001000			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
5+39.4	9+41.7	LT/RT	1648.2
14+05.0	14+78.3	LT/RT	291.9
		UNDERCUT AREA SUBTOTAL	5006.0
		25% CONTINGENCY FOR PAVEMENT AREA	687.0
		TOTAL:	7633
		ADJUSTED TOTAL:	7635

MODEL: Rdwy Schedule-2 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02101_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleRdwy.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	17
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT			
63000003			
START STATION	END STATION	LOCATION	QUANTITY (FOOT)
8+79.8	9+04.8	RT	25.0
13+10.2	13+72.7	LT	62.5
		TOTAL:	87.5
		ADJUSTED TOTAL:	88

SCHEDULE OF GUARDRAIL REMOVAL			
63200310			
START STATION	END STATION	LOCATION	QUANTITY (FOOT)
9+18.14	9+58.21	RT	40.1
10+42.05	10+82.69	LT	40.7
		TOTAL:	80.8
		ADJUSTED TOTAL:	81

SCHEDULE OF PIPE CULVERT REMOVAL				
50105220				
START STATION	END STATION	LOCATION	PIPE SIZE (IN)	QUANTITY (FOOT)
8+15.45	9+75.13	RT	24	159.7
13+30.00	13+65.00	LT	UNKNOWN	35.0
			TOTAL:	194.7
			ADJUSTED TOTAL:	195

SCHEDULE OF TRAFFIC BARRIER TERMINAL, TYPE 2			
63100045			
START STATION	END STATION	LOCATION	QUANTITY (EACH)
8+56.4	8+57.6	RT	1
		TOTAL:	1

SCHEDULE OF TERMINAL MARKER - DIRECT APPLIED		
72501000		
STATION	LOCATION	QUANTITY (EACH)
8+73.83	LT	1
11+50.00	RT	1
14+23.49	LT	1
	TOTAL:	3

SCHEDULE OF TRAFFIC BARRIER TERMINAL, TYPE 6			
63100085			
START STATION	END STATION	LOCATION	QUANTITY (EACH)
9+04.8	9+41.7	RT	1
9+13.4	9+50.3	LT	1
10+63.1	11+00.0	RT	1
12+73.3	13+10.2	LT	1
		TOTAL:	4

SCHEDULE OF REMOVE AND REINSTALL WOOD SIGN POST		
X7300107		
STATION	LOCATION	QUANTITY (EACH)
8+71.82	36.94' LT	1
	TOTAL:	1

SCHEDULE OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT			
63100167			
START STATION	END STATION	LOCATION	QUANTITY (EACH)
11+00.0	11+50.0	RT	1
13+72.7	14+22.7	LT	1
		TOTAL:	2

SCHEDULE OF REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A		
72400205		
STATION	LOCATION	QUANTITY (EACH)
9+62.93	22.14' LT	1
10+46.06	26.04' RT	1
11+12.95	20.24' LT	1
	TOTAL:	3

SCHEDULE OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED			
63100169			
START STATION	END STATION	LOCATION	QUANTITY (EACH)
8+73.8	9+13.3	LT	1
		TOTAL:	1

SCHEDULE OF TELESCOPING STEEL SIGN SUPPORT (SPECIAL)		
X7280105		
STATION	LOCATION	QUANTITY (EACH)
9+62.93	23' LT	14
	TOTAL:	14

MODEL: Rdwy Schedule-3 [Sheet]
FILE NAME: H:\McHenry\County\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleRdwy.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	18
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF MODIFIED URETHANE PAVEMENT MARKING - LINE 4"			
78009004			
START STATION	END STATION	LOCATION/TYPE)	QUANTITY (FOOT)
5+40.5	6+00.0	LT WHITE EDGE LINE	59.5
		DOUBLE YELLOW CTR	119.0
		RT WHITE EDGE LINE	59.5
6+00.0	6+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
6+50.0	7+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
7+00.0	7+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
7+50.0	8+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
8+00.0	8+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
8+50.0	9+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
9+00.0	9+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
9+50.0	10+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
10+00.0	10+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
10+50.0	11+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
11+00.0	11+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
11+50.0	12+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
12+00.0	12+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
12+50.0	13+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
13+00.0	13+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
13+50.0	14+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
14+00.0	14+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
14+50.0	14+80.0	LT WHITE EDGE LINE	30.0
		DOUBLE YELLOW CTR	60.0
		RT WHITE EDGE LINE	30.0
		TOTAL:	3758.0
		ADJUSTED TOTAL:	3760

SCHEDULE OF TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE			
70307120			
START STATION	END STATION	LOCATION/TYPE)	QUANTITY (FOOT)
5+40.5	6+00.0	LT WHITE EDGE LINE	59.5
		DOUBLE YELLOW CTR	119.0
		RT WHITE EDGE LINE	59.5
6+00.0	6+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
6+50.0	7+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
7+00.0	7+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
7+50.0	8+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
8+00.0	8+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
8+50.0	9+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
9+00.0	9+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
9+50.0	10+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
10+00.0	10+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
10+50.0	11+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
11+00.0	11+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
11+50.0	12+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
12+00.0	12+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
12+50.0	13+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
13+00.0	13+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
13+50.0	14+00.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
14+00.0	14+50.0	LT WHITE EDGE LINE	50.0
		DOUBLE YELLOW CTR	100.0
		RT WHITE EDGE LINE	50.0
14+50.0	14+80.0	LT WHITE EDGE LINE	30.0
		DOUBLE YELLOW CTR	60.0
		RT WHITE EDGE LINE	30.0
		TOTAL:	3758.0
		ADJUSTED TOTAL:	3760

SCHEDULE OF GUARDRAIL REFLECTORS, TYPE A		
78200005		
STATION	LOCATION	QUANTITY (EACH)
8+67.3	RT	1
9+12.7	LT	1
9+47.3	RT	1
9+72.7	LT	1
10+27.3	RT	1
10+52.7	LT	1
11+07.3	RT	1
11+32.7	LT	1
12+12.7	LT	1
12+92.7	LT	1
13+72.7	LT	1
	TOTAL:	11

SCHEDULE OF FURNISHING AND ERECTING RIGHT OF WAY MARKERS		
66600105		
STATION	OFFSET	QUANTITY (EACH)
5+45.00	23.27' LT	1
5+45.00	33.27' LT	1
6+39.03	43.23' LT	1
6+48.76	43.22' LT	1
8+01.15	43.14' LT	1
9+61.07	43.06' LT	1
4+79.00	23.31' LT	1
10+60.00	43.80' LT	1
10+60.00	23.80' LT	1
12+50.00	24.64' LT	1
12+50.00	44.64' LT	1
14+60.00	45.16' LT	1
14+60.00	25.16' LT	1
4+80.00	21.69' RT	1
6+85.00	51.80' RT	1
9+60.91	51.94' RT	1
9+60.90	56.94' RT	1
13+00.00	55.18' RT	1
14+90.00	19.87' RT	1
	TOTAL:	19

SCHEDULE OF SHORT TERM PAVEMENT MARKING REMOVAL		
70300150		
LOCATION	LENGTH (FOOT)	PAVEMENT MARKING REMOVAL (SQ FT)
TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	3760	1253.3
	TOTAL:	1253.3
	ADJUSTED TOTAL:	1254.0

MODEL: Rdwy Schedule-4 [Sheet]
FILE NAME: I:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleRdwy.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	19
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF SEEDING, CLASS 2A
25000210

START STATION	END STATION	LOCATION	QUANTITY (ACRE)
4+80.0	5+00.0	RT	0.005
5+00.0	5+50.0	LT	0.003
5+00.0	5+50.0	RT	0.021
5+50.0	6+00.0	LT	0.023
5+50.0	6+00.0	RT	0.042
6+00.0	6+50.0	LT	0.029
6+00.0	6+50.0	RT	0.041
6+50.0	7+00.0	LT	0.047
6+50.0	7+00.0	RT	0.041
7+00.0	7+50.0	LT	0.043
7+00.0	7+50.0	RT	0.041
7+50.0	8+00.0	LT	0.031
7+50.0	8+00.0	RT	0.041
8+00.0	8+50.0	LT	0.032
8+00.0	8+50.0	RT	0.044
8+50.0	9+00.0	LT	0.040
8+50.0	9+00.0	RT	0.041
9+00.0	9+50.0	LT	0.030
9+00.0	9+50.0	RT	0.039
10+50.0	11+00.0	RT	0.001
11+00.0	11+50.0	RT	0.008
11+50.0	12+00.0	RT	0.009
12+00.0	12+50.0	RT	0.010
12+50.0	13+00.0	RT	0.009
13+00.0	13+50.0	LT	0.004
13+00.0	13+50.0	RT	0.007
13+50.0	14+00.0	LT	0.009
13+50.0	14+00.0	RT	0.006
14+00.0	14+50.0	LT	0.008
14+00.0	14+50.0	RT	0.005
14+50.0	14+80.0	LT	0.005
14+50.0	14+90.0	RT	0.004
		TOTAL:	0.719
		ADJUSTED TOTAL:	0.75

SCHEDULE OF SEEDING, MESIC TO WET NATIVE GRASSES
XX007646

START STATION	END STATION	LOCATION	QUANTITY (ACRE)
9+50.0	W CREEK LIMITS	LT	0.004
9+50.0	W CREEK LIMITS	RT	0.006
E CREEK LIMITS	10+50.0	LT	0.012
E CREEK LIMITS	10+50.0	RT	0.007
10+50.0	11+00.0	LT	0.005
10+50.0	11+00.0	RT	0.001
11+00.0	11+50.0	RT	0.025
11+50.0	12+00.0	RT	0.026
12+00.0	12+50.0	RT	0.015
12+50.0	12+60.0	RT	0.001
		TOTAL:	0.102
		ADJUSTED TOTAL:	0.25

SCHEDULE OF MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
XX009719

START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
W CREEK LIMITS	E CREEK LIMITS	LT & RT	430.5
		TOTAL:	430.5
		ADJUSTED TOTAL:	431

SCHEDULE OF MULCH, METHOD 3
25100125

ITEM	# OF APPLICATIONS	AREA (ACRE) TOTAL	QUANTITY (ACRE)
SEEDNG, CLASS 2A	6	0.75	4.50
PRAIRIE SEEDING (SPECIAL)		0.50	3.00
SEEDING (SPECIAL)		0.25	1.50
SEEDING, SEDGE MEADOW MIX		0.25	1.50
EMERGENT / SHORELINE SEED MIX		0.25	1.50
SEEDING, MESIC TO WET NATIVE GRASSES		0.25	1.50
		TOTAL:	13.50
		ADJUSTED TOTAL:	13.50

SCHEDULE OF PRAIRIE SEEDING
K1004572

START STATION	END STATION	LOCATION	QUANTITY (ACRE)
9+00.0	9+50.0	LT	0.008
9+00.0	9+50.0	RT	0.006
9+50.0	W CREEK LIMITS	LT	0.020
9+50.0	W CREEK LIMITS	RT	0.020
E CREEK LIMITS	10+50.0	LT	0.005
E CREEK LIMITS	10+50.0	RT	0.003
10+50.0	11+00.0	LT	0.011
10+50.0	11+00.0	RT	0.019
11+00.0	11+50.0	LT	0.008
11+00.0	11+50.0	RT	0.013
11+50.0	12+00.0	LT	0.006
11+50.0	12+00.0	RT	0.012
12+00.0	12+50.0	LT	0.009
12+00.0	12+50.0	RT	0.007
12+50.0	13+00.0	LT	0.019
12+50.0	13+00.0	RT	0.003
13+00.0	13+50.0	LT	0.017
13+50.0	14+00.0	LT	0.025
13+50.0	14+00.0	RT	0.018
14+00.0	14+50.0	LT	0.027
14+00.0	14+50.0	RT	0.013
14+50.0	14+80.0	LT	0.015
14+50.0	14+90.0	RT	0.005
		TOTAL:	0.289
		ADJUSTED TOTAL:	0.50

SCHEDULE OF EMERGENT / SHORELINE SEED MIX
XX006622

START STATION	END STATION	LOCATION	QUANTITY (ACRE)
E CREEK LIMITS	10+50.00	RT	0.002
10+50.0	11+00.0	RT	0.005
11+00.0	11+50.0	RT	0.001
11+50.0	12+00.0	RT	0.076
12+00.0	12+50.0	RT	0.028
		TOTAL:	0.112
		ADJUSTED TOTAL:	0.25

SCHEDULE OF BIOSWALE
XX009434

START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
10+50.0	11+00.0	RT	3.0
11+00.0	11+50.0	RT	22.2
11+50.0	12+00.0	RT	22.4
12+00.0	12+50.0	RT	22.4
12+50.0	13+00.0	RT	7.1
		TOTAL:	77.1
		ADJUSTED TOTAL:	78

SCHEDULE OF TEMPORARY SEEDING
K1005418

ITEM	# OF APPLICATIONS	QUANTITY (ACRE)
PRAIRIE SEEDING (SPECIAL)	6	3.00
SEEDING (SPECIAL)		1.50
SEEDING, SEDGE MEADOW MIX		1.50
EMERGENT / SHORELINE SEED MIX		1.50
SEEDING, MESIC TO WET NATIVE GRASSES		1.50
	TOTAL:	9.00
	ADJUSTED TOTAL:	9.00

SCHEDULE OF TREES (SPECIAL)
XX006570

EXTRACTION		PLACEMENT		DESCRIPTION		QUANTITY
STATION	LOCATION	STATION	LOCATION	TYPE	SIZE (IN)	(EACH)
9+64.73	43..66' RT	11+65.00	159.0' RT	SHAGBARK HICKORY	18	1
9+67.13	26.07' LT	11+75.00	205.0' RT	BUR OAK	27	1
					TOTAL:	2

SCHEDULE OF SEEDING (SPECIAL)
K1005421

START STATION	END STATION	LOCATION	QUANTITY (ACRE)
10+50.0	11+00.0	RT	0.023
11+00.0	11+50.0	RT	0.035
11+50.0	12+00.0	RT	0.021
12+00.0	12+50.0	RT	0.016
12+50.0	13+00.0	RT	0.009
		TOTAL:	0.104
		ADJUSTED TOTAL:	0.25

SCHEDULE OF SEEDING, SEDGE MEADOW MIX
K1005428

START STATION	END STATION	LOCATION	QUANTITY (ACRE)
11+00.0	11+50.0	LT	0.001
11+00.0	11+50.0	RT	0.032
11+50.0	12+00.0	LT	0.004
11+50.0	12+00.0	RT	0.067
12+00.0	12+50.0	LT	0.000
12+00.0	12+50.0	RT	0.083
12+50.0	13+00.0	RT	0.022
13+00.0	13+50.0	RT	0.022
13+50.0	13+60.0	RT	0.001
		TOTAL:	0.232
		ADJUSTED TOTAL:	0.25

SCHEDULE OF WETLAND PLANTS
XX006660

START STATION	END STATION	LOCATION		RATE | SPACING TRIANGLE PATTERN	LENGTH (FT)	AREA (SF)	QUANTITY (EACH)
E CREEK LIMITS	10+50.00	RT	E/S SEED MIX	2 FT CTRS	-	94.5	24
10+50.00	11+00.00	RT	E/S SEED MIX		-	219.4	57
11+00.00	11+50.00	LT	SEEDING, SMM		-	57.2	15
11+00.00	11+50.00	RT	SEEDING, SMM		-	1402.6	374
			E/S SEED MIX		-	33.2	8
11+50.00	12+00.00	LT	SEEDING, SMM		-	158.6	42
11+50.00	12+00.00	RT	SEEDING, SMM		-	2917.1	779
			E/S SEED MIX		-	3331.8	871
12+00.00	12+50.00	LT	SEEDING, SMM		-	15.6	4
12+00.00	12+50.00	RT	SEEDING, SMM		-	3607.0	963
			E/S SEED MIX		-	1225.4	320
12+50.00	13+00.00	RT	SEEDING, SMM		-	955.2	255
13+00.00	13+50.00	RT	SEEDING, SMM		-	945.8	252
13+50.00	13+60.00	RT	SEEDING, SMM		-	46.4	12
STATION							
W CREEK BANK			RIVER ROCK	1 / FT	104.0	-	104
E CREEK BANK			RIVER ROCK		113.0	-	113
						TOTAL:	4193
						ADJUSTED TOTAL:	4200

ABBREVIATIONS:
SEEDING, SMM = SEEDING, SEDGE MEADOW MIX
E/S SEED MIX = EMERGENT/SHORELINE SEED MIX

SCHEDULE OF SUPPLEMENTAL WATERING
25200200

ITEM	DURATION *7/1/26 TO 11/30/26* *4/1/27 TO 6/28/27*	FREQUENCY	APPLICATION RATE	WETLAND PLANT QTY (EACH)	VOLUME (GAL)	QUANTITY (UNIT)
WETLAND PLANTS	35 WEEKS	1/ WEEK	2 GAL / PLANT	4,200	294000.0	294.0
					TOTAL:	294.0
1 UNIT = 1000 GAL					ADJUSTED TOTAL:	294.0

MODEL: Rdwy Schedule-5 [Sheet]
FILE NAME: =:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleRdwy.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 8 OF 9 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	20
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

####

SCHEDULE OF TEMPORARY EROSION CONTROL SEEDING					
28000250					
ITEM	APPLICATION RATE	# OF APPLICATIONS	AREA (ACRE)		QUANTITY
			TOTAL	APPLIED	(POUND)
SEEDNG, CLASS 2A	100 LB/AC	6	0.75	4.50	450.0
				TOTAL:	450.0
				ADJUSTED TOTAL:	450

SCHEDULE OF ARTICULATED BLOCK REVETMENT MAT				
28500400				
START STATION	END STATION	LOCATION	DESCRIPTION	QUANTITY (SQ YD)
9 + 00	- 10+00	LT	OPEN CELL REVETMENT MAT	109.6
9 + 00	- 10+00	RT	OPEN CELL REVETMENT MAT	69.4
9 + 00	- 10+00	RT	CLOSED CELL REVETMENT MAT	83.7
9 + 50	- 10+00	LT	CLOSED CELL REVETMENT MAT	49.2
9 + 50	- 10+00	RT	CLOSED CELL REVETMENT MAT	49.2
10 + 00	- 10+50	LT	CLOSED CELL REVETMENT MAT	44.0
10 + 00	- 10+50	RT	CLOSED CELL REVETMENT MAT	44.0
10 + 00	- 11+00	LT	OPEN CELL REVETMENT MAT	72.0
10 + 00	- 11+00	RT	OPEN CELL REVETMENT MAT	178.4
12 + 50	- 13+50	LT	OPEN CELL REVETMENT MAT	75.1
			TOTAL:	774.5
			ADJUSTED TOTAL:	775

SCHEDULE OF FILTER FABRIC			
28200200			
STATION	LOCATION	DESCRIPTION	QUANTITY (SQ YD)
6+81	LT	STONE RIPRAP, CLASS A3	6.7
7+25	LT	STONE RIPRAP, CLASS A3	6.7
8+32	LT	STONE RIPRAP, CLASS A3	6.7
8+66	LT	STONE RIPRAP, CLASS A3	6.7
9 + 00 - 10+00	LT	OPEN CELL REVETMENT MAT	109.6
9 + 00 - 10+00	RT	OPEN CELL REVETMENT MAT	69.4
9 + 00 - 10+00	RT	CLOSED CELL REVETMENT MAT	83.7
9 + 50 - 10+00	LT	CLOSED CELL REVETMENT MAT	49.2
9 + 50 - 10+00	RT	CLOSED CELL REVETMENT MAT	49.2
10 + 00 - 10+50	LT	CLOSED CELL REVETMENT MAT	44.0
10 + 00 - 10+50	RT	CLOSED CELL REVETMENT MAT	44.0
10 + 00 - 11+00	LT	OPEN CELL REVETMENT MAT	72.0
10 + 00 - 11+00	RT	OPEN CELL REVETMENT MAT	178.4
12 + 50 - 13+00	LT	OPEN CELL REVETMENT MAT	75.1
12+00 - 13+50	LT	STONE RIPRAP, CLASS A3 (SPECIAL)	67.1
12+00 - 13+50	RT	STONE RIPRAP, CLASS A3 (SPECIAL)	54.8
		TOTAL:	923.1
		ADJUSTED TOTAL:	924

SCHEDULE OF NITROGEN FERTILIZER NUTRIENT					
25000400					
ITEM	APPLICATION RATE	# OF APPLICATIONS	AREA (ACRE)		QUANTITY
			TOTAL	APPLIED	(POUND)
SEEDNG, CLASS 2A	90 LB/AC	1	0.75	0.75	67.5
				TOTAL:	67.5
				ADJUSTED TOTAL:	68

SCHEDULE OF POTASSIUM FERTILIZER NUTRIENT					
25000600					
ITEM	APPLICATION RATE	# OF APPLICATIONS	AREA		QUANTITY
			TOTAL (AC)	APPLIED (AC)	(POUND)
SEEDNG, CLASS 2A	90 LB/AC	1	0.75	0.75	67.5
				TOTAL:	67.5
				ADJUSTED TOTAL:	68

SCHEDULE OF RELOCATE EXISTING MAILBOX		
X0327301		
STATION	LOCATION	QUANTITY (EACH)
5+44.00	18.5' LT	1
7+22.50	19.5' LT	1
8+65.00	18.4' LT	2
	TOTAL:	4

SCHEDULE OF HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"			
X4060280			
START STATION	END STATION	LOCATION	QUANTITY (SQ YD)
6+86.49	7+15.49	LT	80.6
8+29.00	8+53.18	RT	100.4
8+33.65	8+55.32	LT	58.6
		TOTAL:	239.6
		ADJUSTED TOTAL:	240

SCHEDULE OF STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)			
X6330725			
START STATION	END STATION	LOCATION	QUANTITY (FOOT)
8+57.62	8+79.83	RT	37.5
		TOTAL:	37.5
		ADJUSTED TOTAL:	38

SCHEDULE OF STABILIZED CONTRUCTION ENTRANCE	
Z0013797	
LOCATION	QUANTITY (SQ YD)
EAST PROJECT LIMIT	123.0
WEST PROJECT LIMIT	123.0
TOTAL:	246.0
ADJUSTED TOTAL:	246

MODEL: Rdwy Schedule- 6 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0\201_Roadway\03_Sheet\05_Schedule of Quantities\W23301-sht-scheduleRdwy.dgn

ENGINEERING RESOURCE ASSOCIATES

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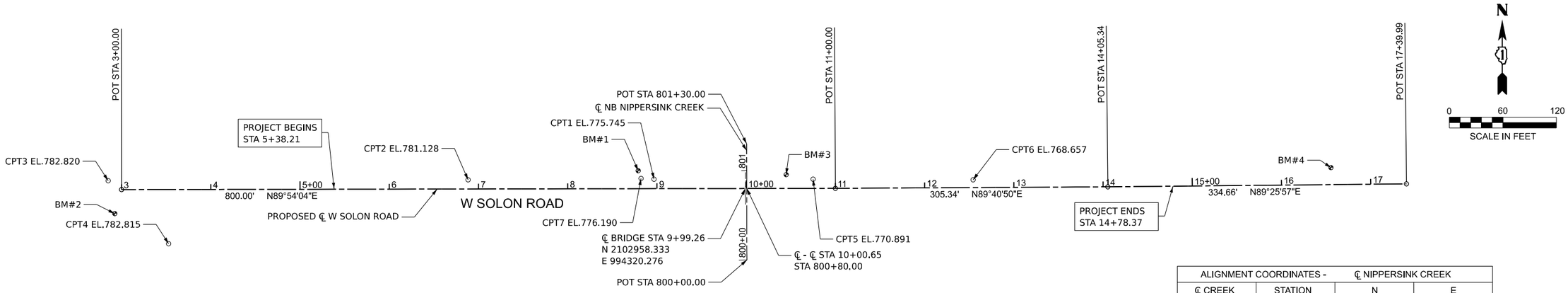
		DRAWN -		REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED - ML		REVISED -	
PLOT DATE = 2/20/2026		DATE -		REVISED -	

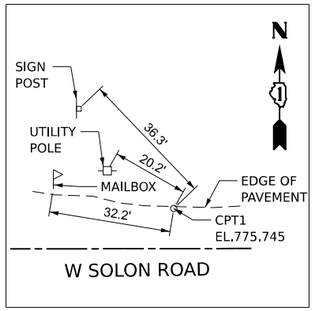
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEDULE OF QUANTITIES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 9 OF 9 SHEETS | STA. | TO STA.

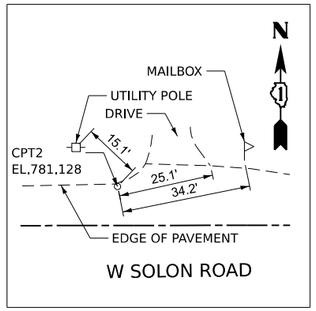
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	21
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		





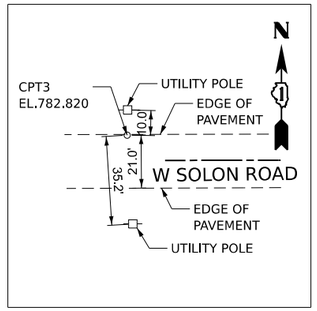
CONTROL POINT #1

SET MAG NAIL
STA. 8+96.80, 10.60' LT.
N 2102968.758
E 994217.790
ELEV. 775.745



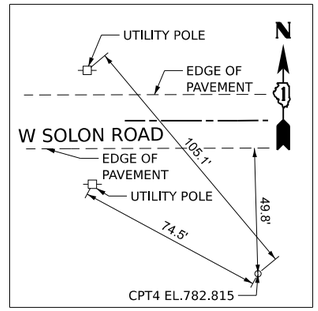
CONTROL POINT #2

SET MAG NAIL
STA. 6+88.44, 10.28' LT.
N 2102968.076
E 994009.433
ELEV. 781.128



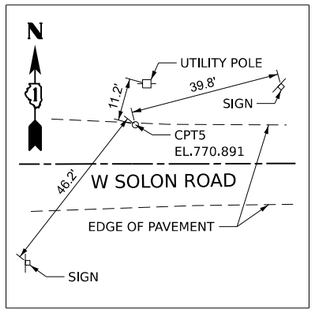
CONTROL POINT #3

SET MAG NAIL
STA. 2+85.00, 10.03' LT.
N 2102967.132
E 993605.997
ELEV. 782.820



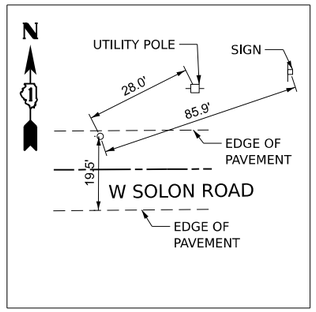
CONTROL POINT #4

SET MAG NAIL
STA. 3+52.66, 60.67' RT.
N 2102896.551
E 993673.781
ELEV. 782.815



CONTROL POINT #5

FOUND MAG NAIL
STA. 10+74.97, 10.34' LT.
N 2102968.799
E 994395.966
ELEV. 770.891



CONTROL POINT #6

FOUND MAG NAIL
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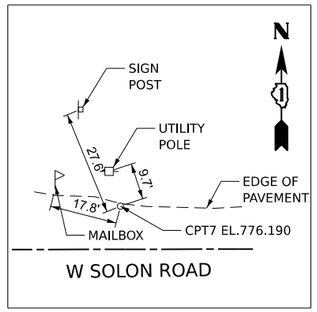
N 2102968.119
E 994575.312
ELEV. 768.657



CONTROL POINT #7

FOUND MAG NAIL
STA. 8+82.26, 11.40' LT.
N 2102969.536
E 994203.252
ELEV. 776.190

ALIGNMENT COORDINATES - ℄ NIPPERSINK CREEK			
℄ CREEK	STATION	N	E
POT	800+00.00	2102878.335	994321.795
℄ - ℄	800+80.00	2102958.335	994321.656
POT	801+30.00	2103008.335	994321.570

ALIGNMENT COORDINATES - W SOLON ROAD			
W SOLON ROAD	STATION	N	E
BEG	5+50.00	2102957.557	993871.012
℄ - ℄	10+00.65	2102958.335	994321.656
POT	11+00.00	2102958.507	994421.014
POT	14+05.34	2102960.209	994726.346
END	14+75.00	2102960.899	994796.005

BENCHMARK #1

ELEV. 779.10 NAVD88

SET SPIKE IN UTILITY POLE LOCATED ON THE NORTH SIDE OF W SOLON ROAD, EAST OF DRIVE AT #5104 W SOLON ROAD.

BENCHMARK #2

ELEV. 786.67 NAVD88

SET MAG NAIL ON NORTHEAST FACE OF UTILITY POLE/LIGHT POLE LOCATED ON THE SOUTH SIDE OF W SOLON ROAD, SIXTH UTILITY POLE WEST OF DRIVE AT #5105 W SOLON ROAD.

BENCHMARK #3

ELEV. 771.20 NAVD88

SET CUT SQUARE IN CONCRETE AT THE NORTHEAST CORNER OF BRIDGE LOCATED ON THE NORTH SIDE OF W SOLON ROAD.

BENCHMARK #4

ELEV. 772.64 NAVD88

SET MAG NAIL ON SOUTHWEST FACE OF UTILITY POLE LOCATED ON THE NORTH SIDE OF W SOLON ROAD, FIFTH UTILITY POLE EAST OF DRIVE AT #5104 W SOLON ROAD.

MODEL: ATB [Sheet]
FILE NAME: H:\McHenryCounty\W23301_00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\05_Alignment, Ties, & Benchmarks\W23301-sht-ATB.dgn

ENGINEERING RESOURCE ASSOCIATES

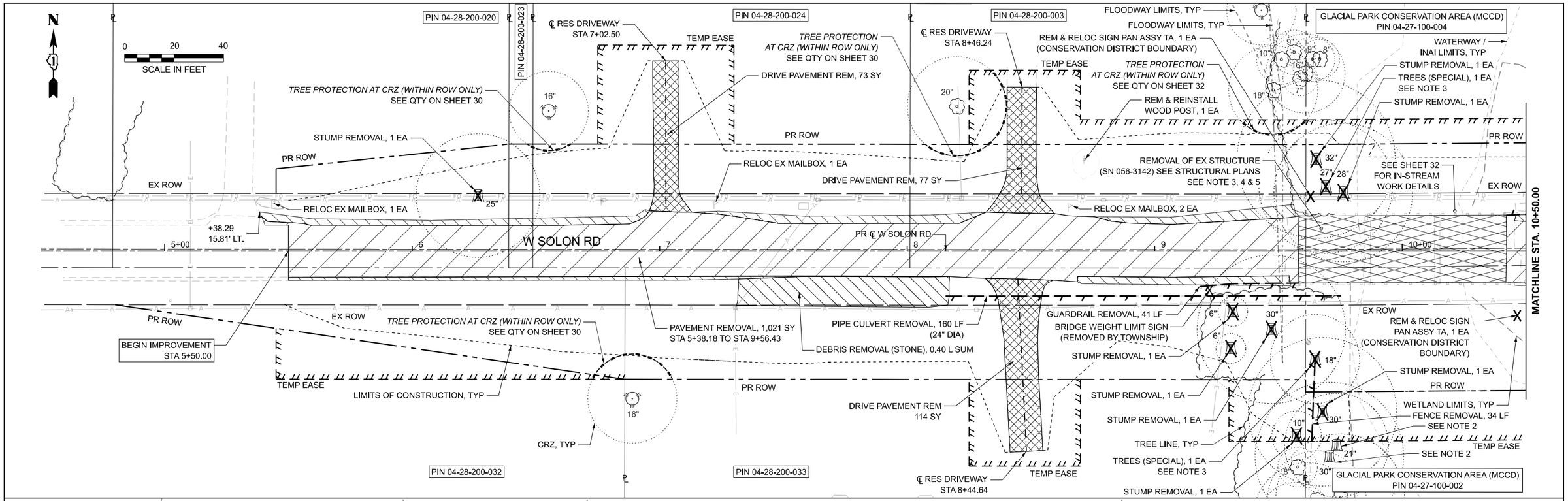
USER NAME = mlange	DESIGNED - TS	REVISED -		
	DRAWN - SDS	REVISED -		
PLOT SCALE = 0.16666633 ' / In.	CHECKED - TBM	REVISED -		
PLOT DATE = 2/20/2026	DATE - 1/15/2026	REVISED -		

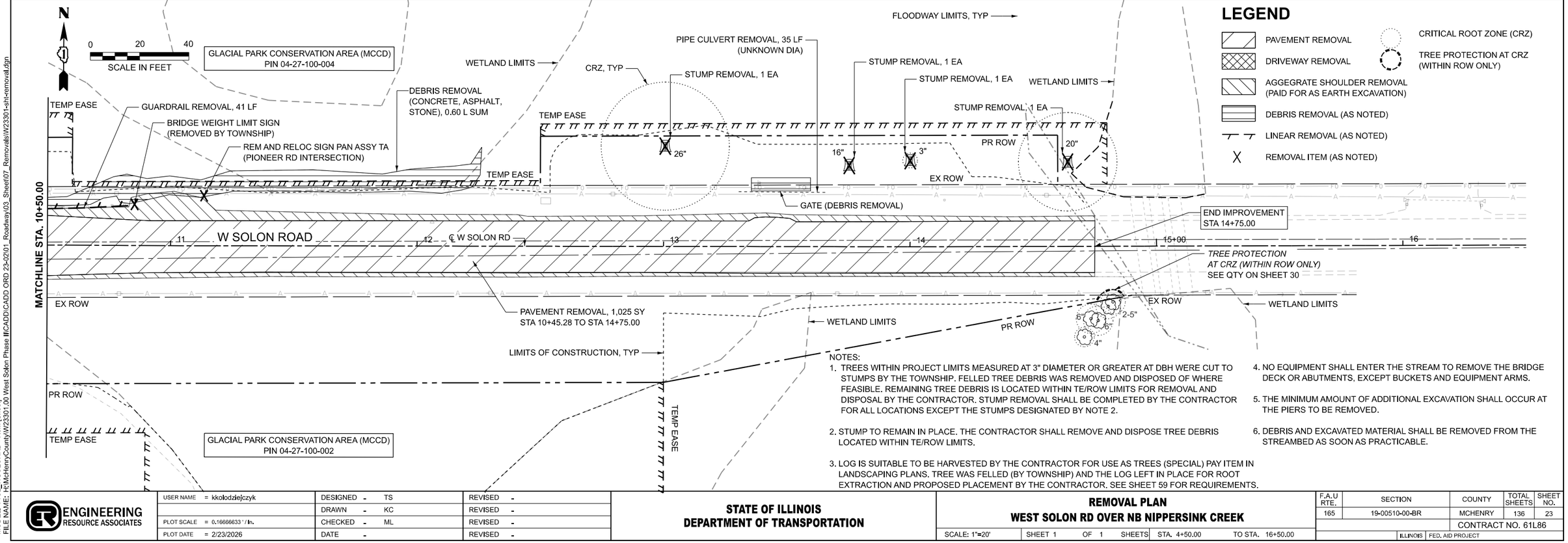
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=60' | SHEET 1 OF 1 SHEETS | STA. 3+00.00 | TO STA. 17+39.99

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	22
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		





LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY REMOVAL
- AGGREGRATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- DEBRIS REMOVAL (AS NOTED)
- LINEAR REMOVAL (AS NOTED)
- X REMOVAL ITEM (AS NOTED)
- CRITICAL ROOT ZONE (CRZ)
- TREE PROTECTION AT CRZ (WITHIN ROW ONLY)

NOTES:

1. TREES WITHIN PROJECT LIMITS MEASURED AT 3" DIAMETER OR GREATER AT DBH WERE CUT TO STUMPS BY THE TOWNSHIP. FELLED TREE DEBRIS WAS REMOVED AND DISPOSED OF WHERE FEASIBLE. REMAINING TREE DEBRIS IS LOCATED WITHIN TE/ROW LIMITS FOR REMOVAL AND DISPOSAL BY THE CONTRACTOR. STUMP REMOVAL SHALL BE COMPLETED BY THE CONTRACTOR FOR ALL LOCATIONS EXCEPT THE STUMPS DESIGNATED BY NOTE 2.
2. STUMP TO REMAIN IN PLACE. THE CONTRACTOR SHALL REMOVE AND DISPOSE TREE DEBRIS LOCATED WITHIN TE/ROW LIMITS.
3. LOG IS SUITABLE TO BE HARVESTED BY THE CONTRACTOR FOR USE AS TREES (SPECIAL) PAY ITEM IN LANDSCAPING PLANS. TREE WAS FELLED (BY TOWNSHIP) AND THE LOG LEFT IN PLACE FOR ROOT EXTRACTION AND PROPOSED PLACEMENT BY THE CONTRACTOR. SEE SHEET 59 FOR REQUIREMENTS.
4. NO EQUIPMENT SHALL ENTER THE STREAM TO REMOVE THE BRIDGE DECK OR ABUTMENTS, EXCEPT BUCKETS AND EQUIPMENT ARMS.
5. THE MINIMUM AMOUNT OF ADDITIONAL EXCAVATION SHALL OCCUR AT THE PIERS TO BE REMOVED.
6. DEBRIS AND EXCAVATED MATERIAL SHALL BE REMOVED FROM THE STREAMBED AS SOON AS PRACTICABLE.

ENGINEERING RESOURCE ASSOCIATES

USER NAME = kkolodziejczyk	DESIGNED - TS	REVISED -	
	DRAWN - KC	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 4+50.00 TO STA. 16+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	23
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

MODEL: PrCL_WSOLONRD - Rem [Sheet]
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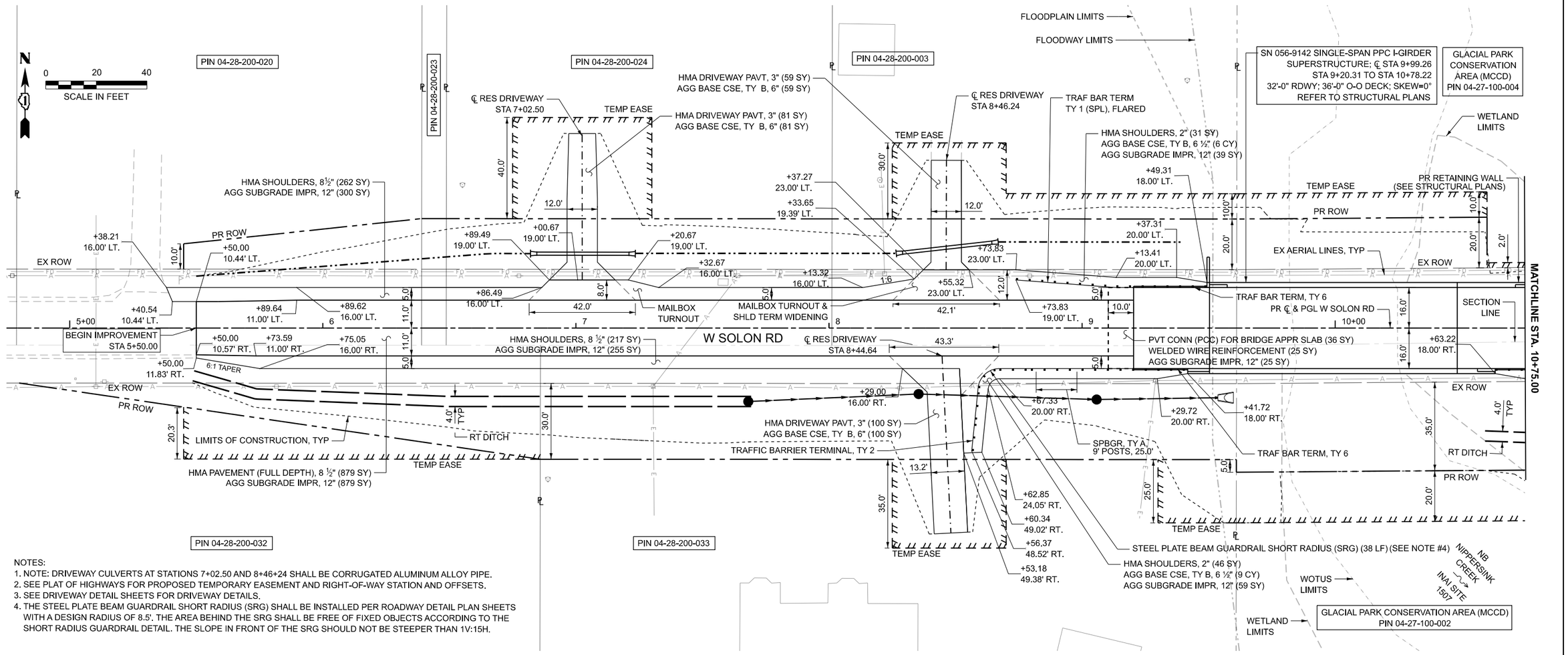
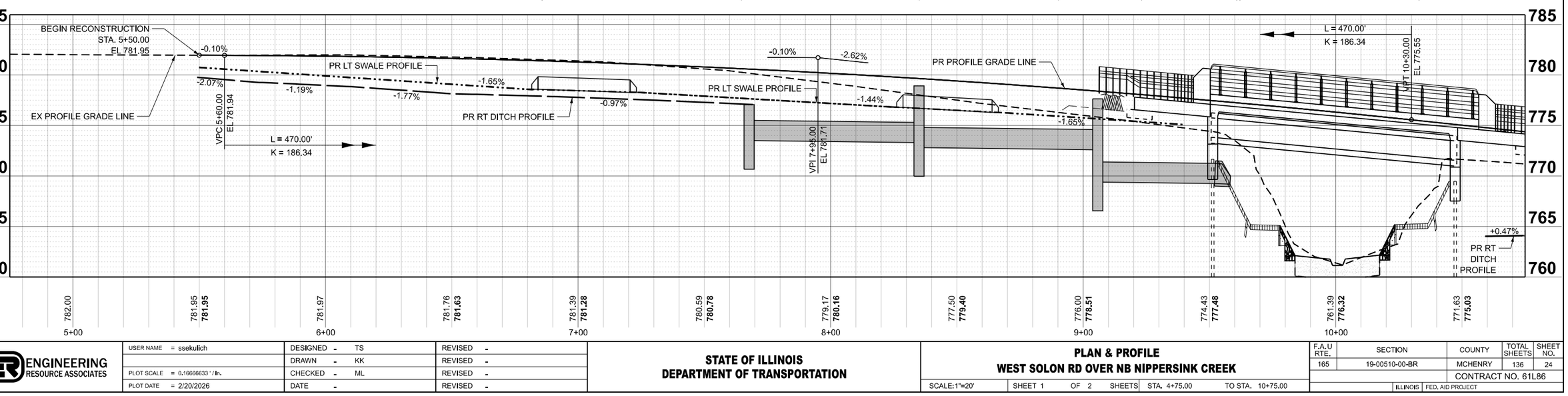


NOTES:
1. NOTE: DRIVEWAY CULVERTS AT STATIONS 7+02.50 AND 8+46+24 SHALL BE CORRUGATED ALUMINUM ALLOY PIPE.
2. SEE PLAT OF HIGHWAYS FOR PROPOSED TEMPORARY EASEMENT AND RIGHT-OF-WAY STATION AND OFFSETS.
3. SEE DRIVEWAY DETAIL SHEETS FOR DRIVEWAY DETAILS.
4. THE STEEL PLATE BEAM GUARDRAIL SHORT RADIUS (SRG) SHALL BE INSTALLED PER ROADWAY DETAIL PLAN SHEETS WITH A DESIGN RADIUS OF 8.5'. THE AREA BEHIND THE SRG SHALL BE FREE OF FIXED OBJECTS ACCORDING TO THE SHORT RADIUS GUARDRAIL DETAIL. THE SLOPE IN FRONT OF THE SRG SHOULD NOT BE STEEPER THAN 1V:15H.



ENGINEERING RESOURCE ASSOCIATES	USER NAME = ssekulich	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - KK	REVISED -	
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
	PLOT DATE = 2/20/2026	DATE -	REVISED -	

PLAN & PROFILE
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE:1"=20' | SHEET 1 OF 2 SHEETS | STA. 4+75.00 | TO STA. 10+75.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	24
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

MODEL: PrCL_WSOLONRD - Plan [Sheet]
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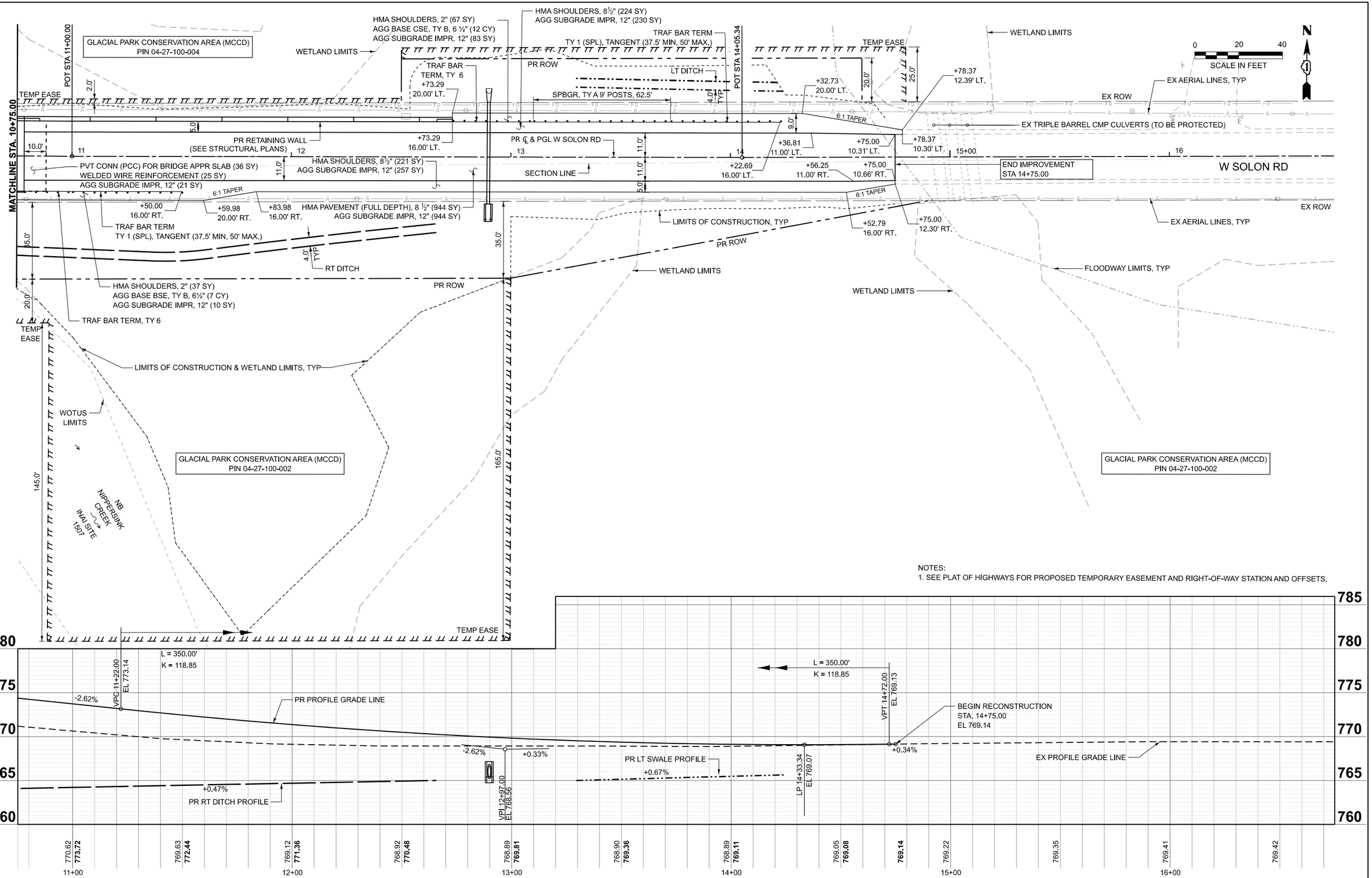

NOTES:
1. SEE PLAT OF HIGHWAYS FOR PROPOSED TEMPORARY EASEMENT AND RIGHT-OF-WAY STATION AND OFFSETS.

MODEL: PrCL_WSOLONRD - Plan-1 [Sheet]
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ENGINEERING RESOURCE ASSOCIATES

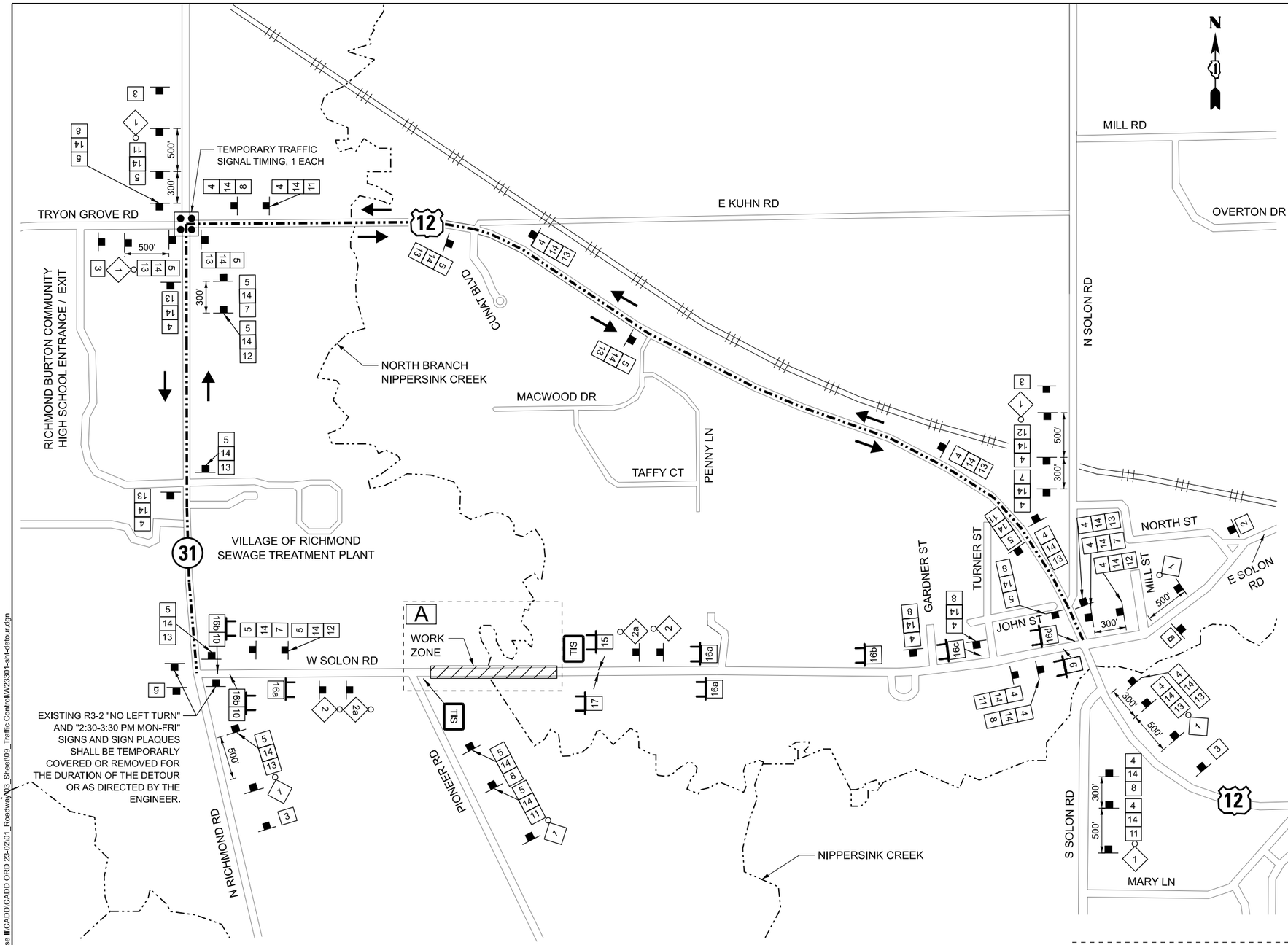
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE:1"=20' | SHEET 2 OF 2 SHEETS | STA. 10+75.00 | TO STA. 16+75.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	25
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		



SCHEDULE OF DETOUR SIGNS

SIGN NO.	SIGN	MUTCD CODE-SIZE
1	DETOUR AHEAD	W20-2-4848
2	ROAD CLOSED AHEAD	W20-3-4848
2a	ROAD CLOSED 500 FT	W20-3-4848
3	West Solon Rd CLOSED AT North Branch Nippersink Creek	SPECIAL-(O)-6036
4	WEST	M3-4P(O)-2412
5	EAST	M3-2P(O)-2412
6	END DETOUR	M4-8A-2418
7	DETOUR	M4-9 SERIES-3024
8	DETOUR	M4-9 SERIES-3024
9	DETOUR	M4-10L-4818
10	DETOUR	M4-10R-4818
11	DETOUR	M4-9 SERIES-3024
12	DETOUR	M4-9 SERIES-3024
13	DETOUR	M4-9 SERIES-3024
14**	West Solon Rd	D3-(O)6012
15	ROAD CLOSED	R11-2-4830
16a	BRIDGE OUT 1/4 MILE AHEAD LOCAL TRAFFIC ONLY	R11-3b-6030
16b	BRIDGE OUT 1/2 MILE AHEAD LOCAL TRAFFIC ONLY	R11-3b-6030
16c	BRIDGE OUT 3/4 MILE AHEAD LOCAL TRAFFIC ONLY	R11-3b-6030
16d	BRIDGE OUT 1 MILE AHEAD LOCAL TRAFFIC ONLY	R11-3b-6030
17	BRIDGE OUT	R11-2b-4830 (MODIFIED)
18	CONSTRUCTION TRAFFIC	R3-2-2424 (SEE NOTE 2)
19	ROAD CLOSED TO THRU TRAFFIC	R11-4-6030

NOTES:

1) NO CONSTRUCTION TRAFFIC IS ALLOWED ON PIONEER RD DUE TO LOAD POSTED STRUCTURE.

2) NO LEFT TURN FOR CONSTRUCTION TRAFFIC AT PIONEER RD.

3) COVER/BAG EXISTING SIGN AT IL-31/W SOLON RD INTERSECTION RESTRICTING LEFT TURN LANE MOVEMENTS (FROM 2:30PM - 3:30PM M-F) FROM IL-31 ONTO W SOLON RD.

4) ACCESS SHALL BE MAINTAINED TO ADJACENT PROPERTIES AT ALL TIMES, THIS WORK SHALL BE INCIDENTAL TO "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

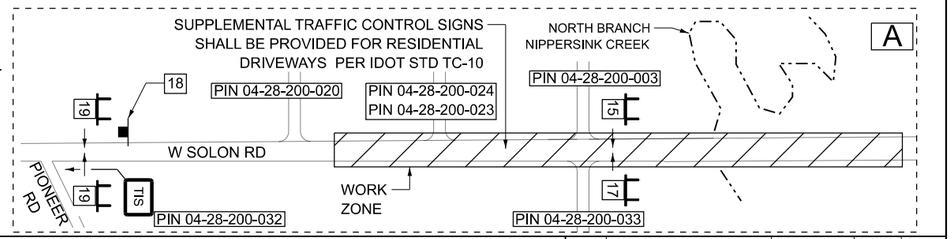
5) TYPE III BARRICADE - PLACEMENT SHALL FOLLOW IDOT HIGHWAY STANDARD 701901-10.

LEGEND

- TIS — TEMPORARY INFORMATION SIGN
- TYPE III BARRICADE W/ TYPE A FLASHER
- W20 SERIES SIGN W/ TYPE A FLASHER (NUMBER DENOTES TYPE)
- DETOUR ROUTE TRAFFIC FLOW
- DETOUR ROUTE
- SIGNALIZED INTERSECTION
- OTHER SIGN (NUMBER DENOTES TYPE)
- WORK ZONE
- SIGN POST
- DETOUR SIGN ASSEMBLY WITH STREET NAME & DIRECTION PLATES (NUMBER DENOTES TYPE)

* SIGN 3 SHALL HAVE A SPECIAL ROAD NAME SIGN WITH MINIMUM 6" BLACK UPPERCASE LETTERS ON ORANGE REFLECTIVE BACKGROUND. WHEN LOWERCASE LETTERS ARE BEING USED THEY SHALL BE 2/3 OF THE SIZE OF THE UPPERCASE LETTERS.

** SIGN 14 SHALL HAVE A SPECIAL SIGN WITH MINIMUM 6" BLACK UPPERCASE LETTERS ON AN ORANGE REFLECTIVE BACKGROUND.



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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
	DRAWN - KC	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	26
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES, AS SPECIFIED BY THE SPECIAL PROVISIONS, SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

2. DETOUR SIGNS SHALL BE NEW OR LIKE-NEW CONDITION. ALL SIGN COLORS SHALL BE ACCORDING TO THE LATEST EDITION OF THE MUTCD.

3. DETOUR SIGN SPACING IN A RESIDENTIAL AREA SHOULD BE MODIFIED SO THAT THE SIGN FALLS BETWEEN HOUSES AT THE NEAREST LOT LINE WHEN POSSIBLE. THE ENGINEER MAY REQUIRE THAT THE SIGN BE RELOCATED IF IT IS INSTALLED IN FRONT OF RESIDENCE. DETOUR SIGNS ARE TO BE INSTALLED RESPECTING THE LOCATION AND VISIBILITY OF THE EXISTING SIGNS. DETOUR SIGN OFFSETS SHALL BE ACCORDING TO MUTCD FIGURE 6F-1. DETOUR SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.

4. ALL DETOUR AND OTHER CONSTRUCTION SIGNS SHALL BE POST-MOUNTED PER APPLICABLE SIGN MOUNTING STANDARDS. DETOUR SIGNS SHALL NOT BE ATTACHED TO LIGHT POLES, UTILITY POLES OR OTHER APPURTENANCES. POST LOCTIONS SHALL BE MARKED BY J.U.L.I.E., AND ONCE SIGN IS INSTALLED ALL J.U.L.I.E. FLAGS SHALL BE REMOVED AND DISPOSED OF PROPERLY.

TEMPORARY DETOUR DURATION

1. THE CONTRACT DOCUMENTS WILL ALLOW THE ROADWAY CLOSURE AND TEMPORARY DETOUR DETAILED IN THESE PLANS TO REMAIN IN PLACE TO THE COMPLETION DATE IDENTIFIED IN THE SPECIAL PROVISION FOR "COMPLETION DATE PLUS WORKING DAYS". THE DETOUR AND ROAD CLOSURE DOES NOT APPLY TO THE ADDITIONAL WORKING DAYS.

2. THE CONTRACTOR WILL BE EXPECTED TO COMPLETE ALL PROPOSED WORK RELATED TO THE CONSTRUCTION OF THE PROPOSED BRIDGE AND ROADWAY DURING THIS CLOSURE. THE ROADWAY MUST HAVE HMA SURFACE COURSE PLACED AND THE GUARDRAIL INSTALLED BEFORE THE ROADWAY IS OPENED TO TRAFFIC.

TEMPORARY ACCESS

1. THE CONTRACTOR SHALL PROVIDE CONTINUOUS LOCAL ACCESS TO ALL AFFECTED DRIVEWAYS THROUGHOUT CONSTRUCTION. TEMPORARY ACCESS PAY ITEMS HAVE BEEN INCLUDED IN THE CONTRACT, AND SHALL BE CONSTRUCTED AND GRADED TO PROTECT ANY DROP-OFFS RESULTING FROM CONSTRUCTION ACCORDING TO IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21.

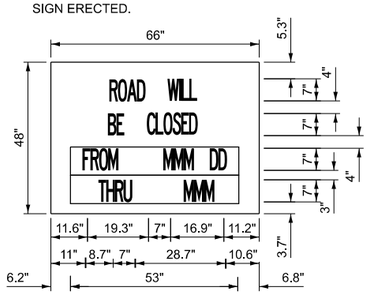
TEMPORARY INFORMATION SIGN

1. THE CONTRACTOR SHALL ERECT A TEMPORARY INFORMATION SIGN AT THE EAST AND WEST ENDS OF THE PROJECT (2 TOTAL) AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION AS DIRECTED BY THE ENGINEER TO INFORM THE PUBLIC OF THE CONSTRUCTION DURATION.

2. THE CONTRACTOR WILL COORDINATE WITH THE ENGINEER ON THE EXACT PLACEMENT OF THE SIGN. THE SIGN SHALL BE IN PLACE FOR THE ENTIRE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER. THE SIGN SHALL BE UPDATED IF THE COMPLETION DATE CHANGES.

3. THE TEMPORARY SIGN WILL BE AS DIMENSIONED AND DETAILED BELOW. BACKGROUND COLOR OF SIGN SHALL BE ORANGE.

4. THE SIGNING, WHICH INCLUDES POST AND MOUNTING, WILL BE PAID AS TEMPORARY INFORMATION SIGNING, PER SQ FT FOR EACH SIGN ERECTED.



DETAIL

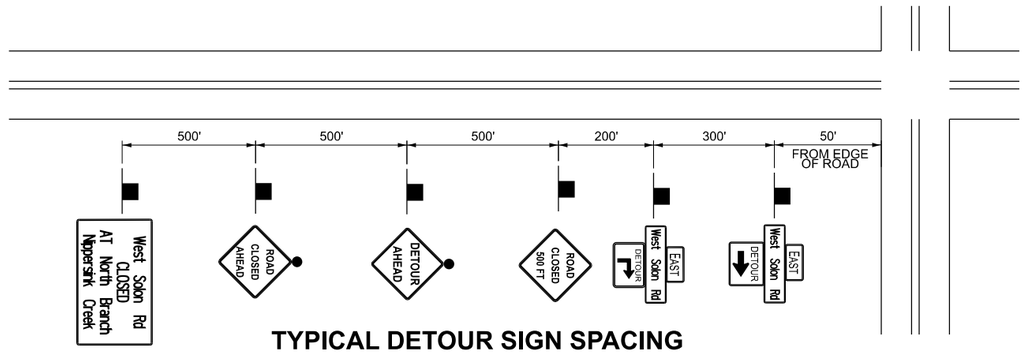
1. SIGN SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING. ONE SIGN ASSEMBLY EQUALS 27.3 SQ. FT. (INCLUDES SIGN PLUS OVERLAY PANELS).

2. OVERLAY PANELS SHALL BE "HIGHWAY C" FONT.

3. OVERLAY PANEL 1 TO CONTAIN STARTING MAY 25TH, 2026 DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION.

4. OVERLAY PANEL 2 TO CONTAIN ENDING MONTH OF FULL CLOSURE AND DETOUR. OMIT THE DATE ON PANEL; NOVEMBER 2026.

5. ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS 1 AND 2 IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.



TYPICAL DETOUR SIGN SPACING

REFER TO DISTRICT STANDARD TC-21 FOR SIGN SPACING DETAILS.

LIMITATIONS OF CONSTRUCTION

THE CONTRACTOR SHALL COORDINATE THE ITEMS OF WORK IN ORDER TO KEEP HAZARDS AND TRAFFIC INCONVENIENCES TO A MINIMUM, AS SPECIFIED BELOW:

1. IF CONSTRUCTION OPERATIONS ARE COMPLETED OUTSIDE THE DURATION OF THE ROADWAY CLOSURE TEMPORARY TRAFFIC CONTROL FOR THIS WORK MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND SHALL BE IN ACCORDANCE WITH APPLICABLE IDOT HIGHWAY STANDARDS. OPERATIONS SHALL BE CONDUCTED SO ONE (1) LANE OF TRAFFIC IN EACH DIRECTION ON WEST SOLON ROAD REMAINS OPEN AT ALL TIMES. THE USE OF FLAGGERS MAY BE REQUIRED AND SHALL BE PERFORMED TO MINIMIZE TRAFFIC IMPACTS AT THE DISCRETION OF THE ENGINEER.

2. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL THE NECESSARY SIGNS, BARRICADES, CONES, DRUMS, LIGHTS AND TRAFFIC CONTROL DEVICES FOR THE WARNING AND PROTECTION OF TRAFFIC AS REQUIRED BY SECTION 701 AND 1106 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND IN ACCORDANCE WITH ALL APPLICABLE HIGHWAY STANDARDS.

KEEPING ROADS OPEN TO TRAFFIC

1. THE CONTRACTOR SHALL SCHEDULE HIS OR HER SEQUENCE OF OPERATION TO PERMIT THE CONSTRUCTION OF THIS SECTION WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR'S SCHEDULE SHALL REFLECT THE FOLLOWING REQUIREMENTS AND SEQUENCE OF CONSTRUCTION. THESE REQUIREMENTS FOLLOW THE SUGGESTED TRAFFIC CONTROL PLAN INCLUDED IN THE DRAWINGS.

2. WEST SOLON ROAD WILL BE COMPLETELY CLOSED TO THRU TRAFFIC FOR THE DURATION SPECIFIED IN THE CONTRACT DOCUMENTS.

SEQUENCE OF CONSTRUCTION

1. COORDINATE UTILITY RELOCATES.
2. SET UP TEMPORARY INFORMATION SIGNS.
3. SET UP DETOUR AS DETAILED IN THE PLAN.
4. SET UP TEMPORARY EROSION CONTROL MEASURES.
5. REMOVE EXISTING PAVEMENTS, THREE-SPAN PPC DECK BEAM BRIDGE, PIERS & ABUTMENTS.
6. CONSTRUCT AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
7. CONSTRUCT PERMANENT SHEET PILE RETAINING WALL TO FACILITATE THE UNDERCUT.
8. REMOVE AND DISPOSAL OF UNSUITABLE MATERIALS PER PLANS.
9. INSTALL TEMPORARY COFFERDAM LOCATION #1 DRIVE PILES AND PROVIDE PIPE CASING ON E ABUTMENT PER PLANS.
10. REPEAT SEQUENCE NO. 11 THROUGH NO. 13 FOR COFFERDAM LOCATION #2 INSTALLATION AND REMOVAL.
11. REBUILD ROADWAY WITH ROCK FILL, EMBANKMENT AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
12. CONSTRUCT THE PROPOSED BRIDGE SUBSTRUCTURE, MOMENT SLABS, AND WINGWALLS.
13. INSTALL ARTICULATED BLOCK REVETMENT MAT AND RIPRAP AT BRIDGE PRIOR TO BRIDGE SUPERSTRUCTURE WORK.
14. CONSTRUCT BRIDGE SUPERSTRUCTURE.
15. PLACE REMAINING PERMANENT EROSION CONTROL MEASURES OUTSIDE OF THE BRIDGE LOCATION SUCH AS RIPRAP, ARTICULATED BLOCK REVETMENT MAT, AND RIVER ROCK.
16. CONSTRUCT SUBGRADE & AGGREGATE BASE COURSES.
17. CONSTRUCT SHOULDERS & PAVEMENTS (INCLUDING FINAL SURFACE).
18. PLACE GUARDRAILS & TRAFFIC BARRIER TERMINALS.
19. PLACE PERMANENT PAVEMENT MARKINGS.**
20. PLACE PERMANENT RESTORATION.
21. FINALIZE PUNCH LIST AND SITE CLEANUP.

** IF CONTRACTOR ELECTS TO COMPLETE PERMANENT PAVEMENT MARKING OUTSIDE OF THE CLOSURE PERIOD, THEN THE CONTRACTOR SHALL PLACE THE APPROPRIATE TEMPORARY PAVEMENT MARKINGS PRIOR TO OPENING THE ROADWAY TO TRAFFIC. A QUANTITY OF TEMPORARY PAVEMENT MARKING TAPE AND SHORT TERM PAVEMENT MARKING REMOVAL HAS BEEN INCLUDED IN THE CONTRACT FOR TEMPORARY USE OUTSIDE OF THE CLOSURE PERIOD.

CONTACTS & COORDINATION

1. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE MAINTENANCE OF TRAFFIC OPERATIONS WITH ALL SCHOOL DISTRICTS, MUNICIPALITIES, TOWNSHIP, COUNTIES AND ENTITIES LISTED ON THE GENERAL NOTES PLAN SHEETS.

2. THE CONTRACTOR SHALL CONTACT THE IDOT D1 TRAFFIC CONTROL SUPERVISOR, KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

TRAFFIC CONTROL - IDOT HIGHWAY STANDARDS

1. THE CONTRACTOR IS ENCOURAGED TO COMPLETE ALL WORK UNDER THE DETOUR CLOSURE. NO ADDITIONAL COMPENSATION FOR TRAFFIC CONTROL AND PROTECTION SHALL BE APPROVED IF THE CONTRACTOR IS NOT ABLE TO COMPLETE WORK WITHIN THE DETOUR TIME FRAME.

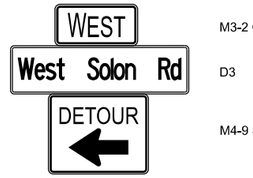
2. IN THE EVENT THE CONTRACTOR'S OPERATION REQUIRES WORK THAT WILL NOT BE COMPLETED UNDER THE DETOUR CLOSURE, THE CONTRACTOR WILL COMPLETE THE WORK UTILIZING ALL APPLICABLE IDOT HIGHWAY STANDARDS.

3. THE APPLICATION OF EACH STANDARD SHALL BE APPROVED BY THE ENGINEER. A LIST OF POTENTIAL STANDARD DRAWINGS HAS BEEN INCLUDED ON THE INDEX OF SHEETS AND GENERAL NOTES PLAN SHEET AS WELL AS IN THE SPECIAL PROVISION FOR "TRAFFIC CONTROL PLAN".

TEMPORARY TRAFFIC SIGNAL TIMING

1. THE ANTICIPATED IMPACTS ON STATE ROUTES AS A RESULT OF THE PROPOSED CONSTRUCTION INCLUDES ADDITIONAL TRAFFIC AT THE INTERSECTION OF IL ROUTE 31 AND US ROUTE 12 IN RICHMOND TOWNSHIP.

2. TO MINIMIZE TRAFFIC IMPACTS, THE CONTRACTOR WILL HIRE AN IDOT APPROVED CONSULTANT TO IMPLEMENT TEMPORARY TRAFFIC SIGNAL ADJUSTMENTS AT THE ABOVE INTERSECTIONS TO REDUCE QUEUE DELAYS ON THE DETOUR ROUTE. WORK SHALL BE PAID FOR UNDER THE PAY ITEM, "TEMPORARY TRAFFIC SIGNAL TIMING."



M3-2 OR M3-4

D3

M4-9 SERIES

TYPICAL DETOUR SIGN ASSEMBLIES

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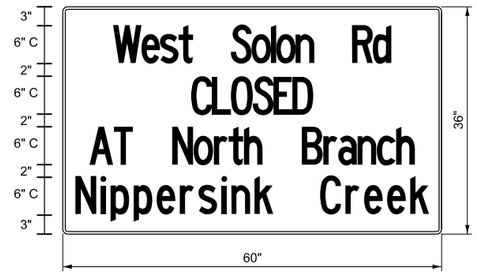

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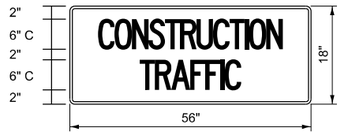

SIGN DESIGNS

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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -
	DRAWN - KC	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR NOTES
WEST SOLON RD OVER NB NIPPERSINK CREEK

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	27
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

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

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

CERTAIN SEDIMENT 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, OWNER OR MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT (MLSWCD) 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 IDOT STANDARD 280001.

ALL EROSION AND SEDIMENT CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PROJECT, 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.

SWPPP REFERENCED DOCUMENTS

1. THE SITE SOILS AND TERRAIN INFORMATION WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS UTILIZED FOR THE DEVELOPMENTOF THE PROPOSED TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS.

2. THE COUNTY STORMWATER MANAGEMENT ORDINANCE WAS UTILIZED FOR THE PROPOSED PLACEDMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS IN ADDITION TO SECTION 280 (TEMPORARY EROSION CONTROL) OF THE STANDARD SPECIFICATIONS AND IDOT HIGHWAY STANDARD 280001. PROJECT DOCUMENTS, INCLUDING PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS, INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED SYSTEMS.

RESPONSIBILITY & AGENGY REQUIREMENTS

MCHENRY COUNTY REQUIRES COMPLIANCE WITH THE GENERAL NPDES PERMIT NO. ILR10 FOR ALL SITES WITH GREATER THAN 1 ACRE OF GROUND DISTURBANCE. AS SUCH, ALL DEVELOPMENTS SHALL PROVIDE TO THE EXTENT POSSIBLE, CONSTRUCTION SITE RUNOFF CONTROL AND ILLICIT DISCHARGE PREVENTION AND ELIMINATION. RESPONSIBILITIES ARE AS DEFINED BELOW:

1. THE OWNER IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT (NOI) TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) AFTER THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE CONTRACTOR'S INFORMATION IS POSTMARKED FOR INLCUSION IN THE NOI AT LEAST 30 DAYS BEFORE THE COMMENCEMENT OF ANY WORK ON THE SITE.

2. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING, REMOVING AND PROPERLY DISPOSING OF ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING THE IN-STREAM WORK PLAN AND SUBMITTING THE PLAN TO THE ENGINEER FOR APPROVAL BY MLSWCD TO MEET THE TERMS OF THE CORPS PERMIT FOR THIS PROJECT.

3. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A COPY OF THE SWPPP ON SITE AT ALL TIMES AND UPDATING THE SWPPP TO REFLECT FIELD MODIFICATIONS. ADDITIONALLY, THE CONTRACTOR IS RESPONSIBLE FOR INFORMING 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 ELIMINATION SYSTEM (NPDES) PERMIT NO. ILR10 SET FORTH BY THE ILLINOIS EPA, THE U.S. ARMY CORPS OF ENGINEERS (CORPS) JOINT 404 PERMIT, THE MCHENRY COUNTY STORMWATER MANAGEMENT PERMIT AND ALL REQUIREMENTS SET FORTH BY THE MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT (MLSWCD), THE MCHENRY COUNTY STORMWATER MANAGMENT COMMISSION ENFORCEMENT OFFICER AND THE STATE OF ILLINOIS.

4. THE OWNER OR THE DESIGNATED REPRESENTATIVE SHALL PERFORM ALL SOIL EROSION AND SEDIMENT CONTROL INSPECTIONS.

5. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING AND SUBMITTING AN INCIDENT OF NON-COMPLIANCE (ION) TO THE OWNER AND THE IEPA IF, AT ANY TIME, AN EROSION OR SEDIMENT CONTROL DEVICE IS DEEMED NON-COMPLIANT.

6. THE OWNER IS RESPONSIBLE FOR COMPLETING AND SUBMITTING A NOTICE OF TERMINATION (NOT) IN COMPLIANCE WITH NPDES PHASE II REQUIREMENTS WHEN ALL PERMANENT EROSION CONTROL MEASURES ARE IN PLACE AND VEGETATION IS GROWING AND THRIVING. THE NOT SHALL BE SENT TO THE IEPA AND MCHENRY COUNTY PLANNING AND DEVELOPMENT.

7. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO CONTROL WASTE SUCH AS DISCARDED MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER AND SANITARY WASTE AT THE CONSTRUCTION SITE THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY.

MAINTENANCE AFTER CONSTRUCTION

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY THE PROJECT OWNER. MAINTENANCE UP TO THIS DATE WILL BE BY CONTRACTOR.

SITE AND CONSTRUCTION ACTIVITY DESCRIPTION

1. THE PROJECT IS LOCATED ON WEST SOLON ROAD IN RICHMOND TOWNSHIP, IL ~ 0.5 MILES EAST OF IL ROUTE 31. THE IMPROVEMENTS BEGIN WEST OF THE INTERSECTION WITH PIONEER ROAD AND EXTEND EASTWARD ALONG WEST SOLON ROAD OVER THE NORTH BRANCH NIPPERSINK CREEK TERMINATING PRIOR TO THE EXISTING, CMP TRIPLE BARREL CROSS ROAD CULVERTS.

2. THE PROJECT SHALL GENERALLY CONSIST OF THE FOLLOWING:

   A) PLACEMENT OF SEDIMENT AND EROSION CONTROL MEASURES

   B) REMOVAL OF THE EXISTING STRUCTURE AND PAVEMENT;

   C) CONSTRUCTION OF THE PROPOSED BRIDGE, RETAINING WALLS, AND INSTALLATION OF RIPRAP, ARTICULATED BLOCK REVETMENT MAT, RIVER ROCK AND BIOSWALE;

   D) CONSTRUCTION OF ROADWAY IMPROVEMENTS, INCLUDING ROADWAY AND SHOULDER RECONSTRUCTION, GRADING, BINDER, SURFACE AND PLACEMENT OF GUARDRAIL, TERMINALS AND PAVEMENT MARKINGS;

   E) SEEDING AND ALL OTHER COLLATERAL WORK SUCH AS SITE RESTORATION.

SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES

1. INSTALL SOIL EROSION AND SEDIMENT CONTROL SYSTEMS PRIOR TO EARTHWORK ACTIVITIES.
2. DEMOLISH EXISTING STRUCTURE WITHOUT IMPACT OR DEBRIS ENTERING THE EXISTING WATERWAY.
3. DRIVE SHEET PILES FOR PROPOSED RETAINING WALL. REMOVE AND DISPOSE OF UNSUITABLE MATERIALS PER PLANS.
4. INSTALL TEMPORARY COFFERDAM LOCATION #1, SUMP PIT AND FILTER DEVICE. DEWATER THE WORK AREA.STRIP AND STOCKPILE TOPSOIL AND BEGIN MASS GRADING.
5. TEMPORARY SEED AND MULCH AS REQUIRED. ALL AREAS, INCLUDING WETLAND CREATION AREA, SHALL NOT REMAIN UNSTABILIZED FOR MORE THAN SEVEN (7) DAYS.
6. DRIVE PILES FOR PROPOSED BRIDGE STRUCTURE AND PROVIDE PIPE CASING.
7. BUILD ROADWAY WITH ROCK FILL, EMBANKMENT AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
8. BUILD CONCRETE SUBSTRUCTURE.
9. INSTALL ARTICULATED BLOCK REVETMENT MAT AND RIVER ROCK AT BRIDGE PRIOR TO BRIDGE SUPERSTRUCTURE WORK.
10. REMOVE TEMPORARY COFFERDAM LOCATION # 1 AND INSTALL COFFERDAM LOCATION #2, SUMP PIT AND FILTER DEVICE. DEWATER THE WORK AREA. REPEAT SEQUENCE NO. 5 THROUGH NO. 9.
11. REMOVE TEMPORARY COFFERDAM LOCATION #2.
12. BUILD CONCRETE SUPERSTRUCTURE.
13. PLACE REMAINING PERMANENT EROSION CONTROL MEASURES OUTSIDE OF THE BRIDGE LOCATION SUCH AS RIPRAP, ARTICULATED BLOCK REVETMENT MAT AND RIVER ROCK.
14. COMPLETE ROADWAY RECONSTRUCTION THROUGH BINDER AND GRADING.
15. COMPLETE FINAL SURFACE AND PAVEMENT MARKINGS.
16. REMOVE ACCUMULATED SEDIMENT AND DEWATERING DEVICES.
17. COMPLETE FINAL SITE RESTORATION AND REMOVE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES.

POLLUTION PREVENTION DURING CONSTRUCTION

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, PARKING OF VEHICLES OF CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES.

2. 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.

   A) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER.

      i. PLACE TEMPORARY SEDIMENT CONTROL PRACTICES AT LOCATIONS SHOWN ON THE PLANS.

      ii. TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

   B) 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 SEVEN (7) DAYS.

   C) 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.

   D) INSPECTION OF TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEM SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE COMPLETED AFTER A STORM PRODUCING RAIN TOTALING ONE-HALF INCH (½") OR GREATER OR THE EQUIVALENT SNOWFALL.

   E) SEDIMENT COLLECTED DURING CONSTRUCTION FROM THE VARIOUS TEMPORARY SEDIMENT CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED EROSION CONTROL PRACTICE.

   F) THE TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER, AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING.

   G) EXCEPT AS PREVENTED BY INCLEMENT WEATHER CONDITIONS, ALL DISTURBED AREAS TO REMAIN INACTIVE FOR MORE THAN 7 DAYS SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES WITHIN 7 DAYS. PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN 14 DAYS AFTER FINAL GRADE IS ESTABLISHED.

   H) ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN 30 DAYS AFTER SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY REMOVED TO PREVENT FURTHER EROSION.

CONSTRUCTION SITE DISTURBANCE

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 3.02 ACRES TO BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

DRAINAGE TRIBUTARIES FROM THIS CONSTRUCTION SITE

THE SITE DRAINS INTO THE NORTH BRANCH NIPPERSINK CREEK AND EVENTUALLY INTO THE NIPPERSINK CREEK.

SESC PROJECT INSPECTOR CONTACT INFORMATION

JEREMY STULL | MCDOT CONSTRUCTION MANAGER | PH: 815-334-4967 | EMAIL: JRSTULL@MCHENRYCOUNTYIL.GOV

CERTIFICATIONS

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

DESIGNER: KENNETH ANDERSON, C.P.E.S.C. #00002092 — DATE: 1/9/2026

OWNER'S CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

OWNER: MCHENRY COUNTY DIVISION OF TRANSPORTATION

JOYCE J. DELONG, P.E.	Design Manager	1/9/2026
	TITLE	DATE

MODEL: SWPPP [Sheet]
FILE NAME: H:\McHenryCounty\W23301_00 West Sdon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SWPPP.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 1 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	28
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE RESIDENT ENGINEER MUST BE NOTIFIED ONE (1) WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE (1) WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE (1) WEEK PRIOR TO THE FINAL INSPECTION.

2. A COPY OF THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON SITE. THE CONTRACTOR SHALL NOTIFY SWCD OF AN CHANGES TO THE APPROVED SWPPP OR PLAN SET.

3. 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, THE COUNTY, THE MCHENRY COUNTY PLANNING & DEVELOPMENT ENFORCEMENT OFFICER OR THE MCHENRY LAKE SOIL AND WATER CONSERVATION DISTRIT (SWCD).

4. THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH ALL SUBCONTRACTORS, THE OWNER, THE SWCD AND OTHER INTERESTED REGULATORY AGENCIES AND OFFICIALS PRIOR TO CONSTRUCTION. ALL PARTIES, SPECIFICALLY ,THE SWCD, SHALL BE CONTACTED AT LEAST TEN (10) DAY DAYS IN ADVANCE.

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

6. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24-HRS AFTER A RAIN EVENT GREATER THAN ½".

7. THE SWCD IS RESPONSIBLE FOR CONDUCTING SITE VISITS ON BEHALF OF USACE VERIFYING THE PRACTICES ARE WORKING PROPERLY AND DETERMINING IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL EROSION AND SEDIMENT CONTROL. IF ADDITIONAL PRACTICES ARE DEEMED NECESSARY, THE CONTRACTOR SHAL COMPLY WITH SWCD'S WRITTEN AND VERBAL RECOMMEDANTIONS AND IMPLEMENT THE PRACTICE OR MAINTENANCE IN A TIMELY MANNER.

8. ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED WITH WILDLIFE FRIENDLY EROSION CONTROL BLANKET FOLLOWING COMPLETION OF SOIL DISTURBING ACTIVITIES. THE WILDLIFE FRIENDLY EROSION CONTROL BLANKET SHALL BE PLASTIC-FREE BLANKET USED AROUND WETLANDS AND ADJACENT TO NATURAL AREAS TO PREVENT ENTANGMLEMENT OF NATIVE WILDLIFE.

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

10. EQUIPMENT SHALL BE WASHED BFEORE ENTERING THE WORK SITE TO PREVENT THE TRANSFER OF NON-NATIVE AND INVASIVE SPECIES INTO THE WATREWAY.

11. CONCRETE WASHOUT(S) ARE ANTICIPATED FOR THIS PROJECT AND SHALL BE DRAWN ONTO THE PLANS AT THE TIME OF INSTALLATION. 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.

12. STABILIZED CONSTRUCTION ENTRANCES ARE ANTICIPATED FOR THIS PROJECT. A QUANTITY HAS BEEN INCLUDED IN THE PROJECT TO COMPLETE THIS WORK. IT IS ANTICIPATED THAT THE STABILIZED CONSTRUCTION ENTRANCES WILL BE PLACED EAST AND WEST OF THE PROJECT LIMITS. IF THE ENTRANCE LOCATIONS ARE TO BE REVISED, THE CONTRACTOR SHALL SUBMIT THE LOCATION AND DETAILS THROUGH THE ENGINEER FOR APPROVAL.

13. WHEN DIVERSION AND DEWATERING OF THE CONSTRUCTION AREA IS NECESSARY, THE CONTRATOR MUST FOLLOW PROCEDURES OUTLINED IN THE ILLINOIS URBAN MANUAL PRACTICE STANDARD CODE 8-3 FOR COFFERDAMS AND 813 FOR DEWATERING. ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL WATERS SHALL BE FILTERED AS OUTLINED IN ITEM 7 OF THE SWCD NOTES. ADDITIONALLY, ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

14. LUMBER TO BE USED FOR TEMPORARY CONSTRUCTION ACTIVITIES MUST BE FREE OF ALL CHEMICAL TREATMENT.

15. LOW GROUND-PRESSURE EQUIPMENT IS REQUIRED FOR WORK IN WETLANDS.

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

MCHENRY-LAKE SOIL & WATER CONSERVATION DISTRICT NOTES

1. AS PART OF THE TERMS OF THE CORPS PERMIT, AN IN-STREAM WORK PLAN SHALL BE APPROVED BY SWCD PRIOR TO COMMENCEMENT OF WORK. ALL IN-STREAM WORK PLANS MUST FOLLOW THE CORPS NATIONWIDE PERMIT 14 & 27 SPECIAL CONDITIONS AN THE SECTION 408 PERMIT SPECIAL CONDITIONS.

2. 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 WATER ELEVATION.

3. THE PLAN MUST BE DESIGNED TO ALLOW FOR THE CONVEYANCE OF THE 2-YEAR PEAK FLOW (809.00 CFS) PAST THE WORK AREA WITHOUT OVERTOPPING THE COFFERDAM. THE CORPS HAS THE DISCRETION TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.

4. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE LINER, ETC). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE. AFTER WORK IN THE WATERWAY IS COMPLETED, THE COFFERDAM SHALLBE REMOVED AND THE STREAM BOTTOM RESTORED TO ITS ORIGINAL CONDITION AND FLOW PATTERNS.

5. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERING, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.

6. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.

7. DURING DEWATERING OF THE COFFERED WORK AREA, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMER SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED IN THE PLAN. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.

8. THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED OR PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

9. THE CONTRACTOR SHALL COORDINATE WITH ANY UPSTREAM MUNICIPALITIES OR AGENIES THAT COULD ALTER THE EXPECTED VOLUME OF WATER THE WORK AREA RECEIVES. IF ANY SOURCES ARE IDENTIFIED, THE PROJECT IS TO COORDINATE THE TIMING OF BYPASS ACTIVITY WITH THE MUNICIPALITY OR AGENCY.

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

MCHENRY COUNTY SMO STANDARD SOIL EROSION & SEDIMENT CONTROL NOTES

1. CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE *ILLINOIS URBAN MANUAL* UNLESS STATED OTHERWISE.

2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL STABILIZATION IS ACHIEVED.

3. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

4. STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.

5. NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.

6. OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.

7. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.

8. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATION OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARILY CEASED ON ANY POTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW:

   A. WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE, AND

   B. IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.

9. DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKED IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR AN EQUIVALENT CONTROL MEASURE.

10. PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.

11. THE STORMWATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.

12. IF DEWATERING SERVICES ARE USED, DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP OR AN EQUIVALENT CONTROL MEASURE). THE ENFORCEMENT OFFICER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

13. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OF THE DEVELOPMENT SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.

14. NO PARKING, STOCKPILING, CONSTRUCTION STAGING, STORAGE OR REFUELING OREQUIPMENT SHALL OCCUR WITHIN THE WETLAND AREAS OR AREAS IDENTIFIED AS HIGH- OR MEDIUM-QUALITY HABITAT FOR THE RUSTY PATHCED BUMBLE BEE. MATERIALS SHALL NOT BE STOCKPILED IN THE STREAM CHANNEL. STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN ISOLATED WATERS OF MCHENRY COUNTY OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALNET CONTROL MEASURE.

15, EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:

   A. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER; AND

   B. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERAISL, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORWMATER.

16. ADEQUATE RECEPTABLES SHALL BE PROVIDED FOR DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE APPLICATION SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR ISOLATED WATERS OF MCHENRY COUNTY. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.

17. THE ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL OR ALTERNATIVE SOIL EROSION AND SEDIMENT CONTROL MEASURES, BASED ON DEVELOPMENT SITE SPECIFIC CONSIDERATIONS AND THE EFFECTIVENESS OF THE INSTALLED CONTROL MEASURES.

MAINTENANCE SCHEDULE

1. PERIMETER EROSION BARRIER - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL PERIMETER EROSION BARRIER WEEKLY OR AFTER EACH ONE-HALF INCHE (½") OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL. ANY REQUIRED REPAIRS OR REPLACEMENTS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE BARRIER FUNCTIONAL AS DESIGNED.

2. EROSION CONTROL BLANKET (SPECIAL) - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL EROSION BLANKET WEEKLY OR AFTER EACH ONE-HALF INCH (½") OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL. ANY REQUIRED REPAIRS OR REPLACEMENTS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE BLANKET FUNCTIONAL AS DESIGNED. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN SEDIMENT HAS REACHED NO GREATER THAN 50% THE HEIGHT OF THE SILT FENCE.

3. TEMPORARY & AGGREGATE DITCH CHECKS - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL DITCH CHECKS WEEKLY OR AFTER EACH ONE-HALF INCH (½") OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL. ANY REQUIRED REPAIRS OR REPLACEMENTS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE DITCH CHECKS FUNCTIONAL AS DESIGNED. INSPECTIONS SHALL CONFIRM THE CENTER OF THE DEVICE IS SIX INCHES (6") LOWER THAN THE AGGREGATE SIDES AND EIGHTTEEN INCHES (18") LOWER THAN THE TOP OF THE DITCH. SEDIMENT SHALL BE REMOVED FROM UPSTREAM SIDE OF DITCH CHECK WHEN SEDIMENT HAS REACHED 50% OF THE STRUCUTRE HEIGHT AT THE CENTER OF THE DITCH CHECK.

4. STABILIZED CONSTRUCTION ENTRANCE - AT A MINIMUM, AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL ENTRANCES WEEKLY OR AFTER EACH ONE-HALF INCH (½") OR GREATER RAINFALL EVENT OR EQUIVALENT SNOWFALL. ANY REQUIRED REPAIRS OR REPLACEMENTS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE ENTRANCES FUNCTIONAL AS DESIGNED. PERIODIC TOP DRESSING WITH ADDITIONAL AGREGATE MAY BE REQUIRED. ALL SEDIMENT SPILLED, DROPPED OR WASHED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

MODEL: SESC Notes [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESCnotes.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL NOTES
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 2 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	29
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

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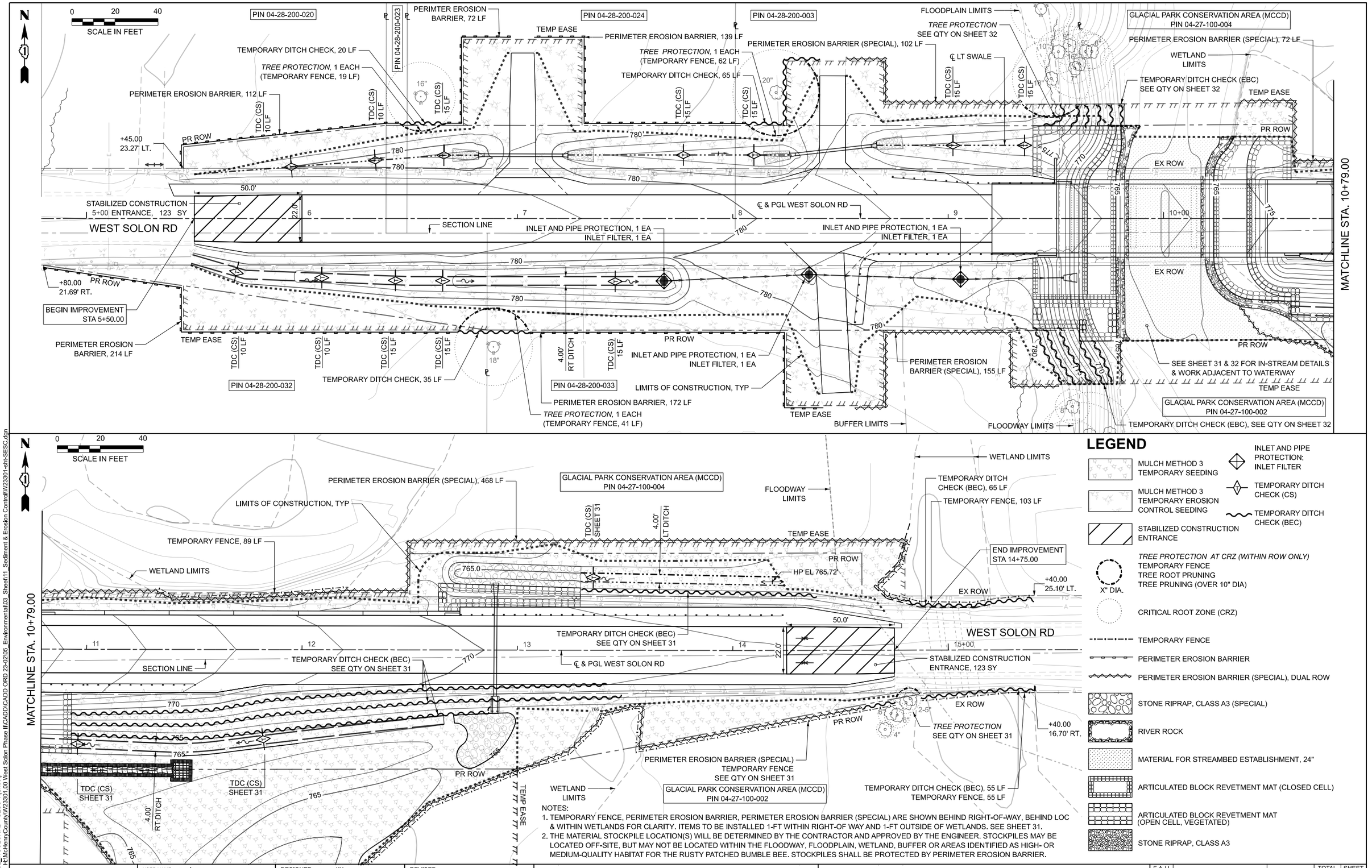

LEGEND

- MULCH METHOD 3 TEMPORARY SEEDING
- MULCH METHOD 3 TEMPORARY EROSION CONTROL SEEDING
- STABILIZED CONSTRUCTION ENTRANCE
- *TREE PROTECTION AT CRZ (WITHIN ROW ONLY)* TEMPORARY FENCE TREE ROOT PRUNING TREE PRUNING (OVER 10" DIA)
- X" DIA.
- CRITICAL ROOT ZONE (CRZ)
- TEMPORARY FENCE
- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER (SPECIAL), DUAL ROW
- STONE RIPRAP, CLASS A3 (SPECIAL)
- RIVER ROCK
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- ARTICULATED BLOCK REVETMENT MAT (CLOSED CELL)
- ARTICULATED BLOCK REVETMENT MAT (OPEN CELL, VEGETATED)
- STONE RIPRAP, CLASS A3
- INLET AND PIPE PROTECTION; INLET FILTER
- TEMPORARY DITCH CHECK (CS)
- TEMPORARY DITCH CHECK (BEC)

NOTES:
1. TEMPORARY FENCE, PERIMETER EROSION BARRIER, PERIMETER EROSION BARRIER (SPECIAL) ARE SHOWN BEHIND RIGHT-OF-WAY, BEHIND LOC & WITHIN WETLANDS FOR CLARITY. ITEMS TO BE INSTALLED 1-FT WITHIN RIGHT-OF WAY AND 1-FT OUTSIDE OF WETLANDS. SEE SHEET 31.
2. THE MATERIAL STOCKPILE LOCATION(S) WILL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. STOCKPILES MAY BE LOCATED OFF-SITE, BUT MAY NOT BE LOCATED WITHIN THE FLOODWAY, FLOODPLAIN, WETLAND, BUFFER OR AREAS IDENTIFIED AS HIGH- OR MEDIUM-QUALITY HABITAT FOR THE RUSTY PATCHED BUMBLE BEE. STOCKPILES SHALL BE PROTECTED BY PERIMETER EROSION BARRIER.

MODEL: PrCL_WSOLONRD - SESC 1 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESC.dgn

ENGINEERING RESOURCE ASSOCIATES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=20' | SHEET 3 OF 14 SHEETS | STA. 4+79.00 TO STA. 16+79.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	30
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

N

0 15 30

SCALE IN FEET

MATCHLINE STA. 10+79.00

WETLAND LIMITS

℄ FENCE 11+32.01 25.21' LT.

℄ FENCE 11+40.21 20.96' LT.

℄ FENCE 11+80.82 22.15' LT.

TEMPORARY FENCE SEE QTY ON SHEET 30

℄ FENCE 12+19.80 25.53' LT.

PERIMTER EROSION BARRIER (SPECIAL), SEE QTY ON SHEET 30

TDC (CS) 15 LF

4.00' LT DITCH

℄ FENCE 14+78.20 49.14' LT.

WETLAND LIMITS

TEMP EASE

℄ FENCE 14+80.03 20.71' LT.

TEMPORARY DITCH CHECK (BEC) TEMPORARY FENCE SEE QTY ON SHEET 30

END IMPROVEMENT STA 14+75.00

+40.00 25.10' LT.

EX ROW

℄ FENCE 14+75.58 40.88' LT.

PR ROW

℄ FENCE 14+64.15 29.59' LT.

HP EL 765.72'

765.0

TEMP EASE

℄ FENCE 14+70.99 23.07' LT.

TEMPORARY DITCH CHECK (BEC) SEE QTY ON SHEET 30

℄ & PGL WEST SOLON RD

15+00 WEST SOLON RD

+40.00 16.70' RT.

SECTION LINE

TEMPORARY DITCH CHECK (BEC), 250 LF

TEMPORARY DITCH CHECK (BEC), 255 LF

TEMPORARY DITCH CHECK (BEC), 195 LF

770

765

℄ FENCE 13+37.64 28.33' RT.

℄ FENCE 13+52.65 25.26' RT.

TREE PROTECTION, 2 EACH (TEMPORARY FENCE, 16 LF)

EX ROW

FLOODWAY LIMITS

PR ROW

℄ FENCE 13+35.73 32.35' RT.

℄ FENCE 13+42.65 27.56' RT.

℄ FENCE 13+60.36 24.74' RT.

WETLAND LIMITS

TEMPORARY DITCH CHECK (BEC), 15 LF

℄ FENCE 13+40.00 28.42' RT.

℄ FENCE 13+58.82 43.12' RT.

℄ FENCE 13+22.68 45.05' RT.

TEMPORARY DITCH CHECK (BEC) TEMPORARY FENCE SEE QTY ON SHEET 30

PR ROW

TDC (CS) 15 LF

4.00' RT DITCH

TDC (CS) 15 LF

℄ FENCE 12+58.23 69.92' RT.

LIMITS OF CONSTRUCTION, TYP

WETLAND LIMITS

765

764.0

℄ FENCE 12+26.36 99.34' RT.

PERIMETER EROSION BARRIER (SPECIAL), 585 LF

TEMPORARY FENCE, 444 LF

℄ FENCE 12+43.50 132.49' RT.

℄ FENCE 12+33.39 162.90' RT.

WATERWAY OF THE U.S. (WOTUS) / INAI LIMITS

WETLAND LIMITS

NB NIPPERSINK CREEK

℄ FENCE 11+77.56 217.23' RT.

GLACIAL PARK CONSERVATION AREA (MCCD) PIN 04-27-100-002

TEMP EASE

BUFFER LIMITS

LEGEND

- MULCH METHOD 3 TEMPORARY SEEDING
- MULCH METHOD 3 TEMPORARY EROSION CONTROL SEEDING
- STABILIZED CONSTRUCTION ENTRANCE
- *TREE PROTECTION AT CRZ (WITHIN ROW ONLY)* TEMPORARY FENCE; TREE ROOT PRUNING; TREE PRUNING (OVER 10" DIA); X" DIA.
- CRITICAL ROOT ZONE (CRZ)
- TEMPORARY FENCE
- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER (SPECIAL), DUAL ROW
- STONE RIPRAP, CLASS A3 (SPECIAL)
- RIVER ROCK
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- ARTICULATED BLOCK REVETMENT MAT (CLOSED CELL)
- ARTICULATED BLOCK REVETMENT MAT (OPEN CELL, VEGETATED)
- STONE RIPRAP, CLASS A3
- TEMPORARY DITCH CHECK (CS)
- TEMPOARY DITCH CHECK (BEC)
- INLET AND PIPE PROTECTION; INLET FILTER

NOTES:

1. TEMPORARY FENCE, PERIMETER EROSION BARRIER, PERIMETER EROSION BARRIER (SPECIAL) ARE SHOWN BEHIND RIGHT-OF-WAY, BEHIND LOC & WITHIN WETLANDS FOR CLARITY. ITEMS TO BE INSTALLED 1-FT WITHIN RIGHT-OF WAY OR 1-FT OUTSIDE OF WETLANDS. STAKING DETAILS ARE PROVIDED ON THE POH. ADDITIONAL STATION AND OFFSET CALLOUTS HAVE BEEN ADDED FOR ℄ FENCE LOCATED AT OR NEAR WETLANDS.
2. THE MATERIAL STOCKPILE LOCATION(S) WILL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. STOCKPILES MAY BE LOCATED OFF-SITE, BUT MAY NOT BE LOCATED WITHIN THE FLOODWAY, FLOODPLAIN, WETLAND, BUFFER OR AREAS IDENTIFIED AS HIGH- OR MEDIUM-QUALITY HABITAT FOR THE RUSTY PATHCED BUMBLE BEE. STOCKPILES SHALL BE PROTECTED BY PERIMETER EROSION BARRIER.

MODEL: SESC 3 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESC.dgn

ENGINEERING RESOURCE ASSOCIATES

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	DRAWN - KK	REVISED -	
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PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1" = 15' | SHEET 4 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	31
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

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NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF THE WATER DIVERSION SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND THE MCHENRY-LAKE SOIL AND WATER CONSERVATION DISTRICT.

2. NO MORE THAN ONE HALF (½) THE CREEK CAN BE DIVERTED AT A TIME FOR CONSTRUCTION ACTIVITIES. THE COFFERDAM SHALL BE ABLE TO CONVEY THE 2-YR STORM:
   - -FLOW = 809.00 CFS
   - -VELOCITY = 2.99 FPS
   - -HEADWATER ELEVATION = 766.95

SCALE IN FEET 0 10 20

N

LEGEND

- MULCH METHOD 3 TEMPORARY SEEDING
- MULCH METHOD 3 TEMPORARY EROSION CONTROL SEEDING
- STABILIZED CONSTRUCTION ENTRANCE
- *TREE PROTECTION AT CRZ (WITHIN ROW ONLY)* TEMPORARY FENCE, TREE ROOT PRUNING, TREE PRUNING (OVER 10" DIA) — X" DIA.
- CRITICAL ROOT ZONE (CRZ)
- TEMPORARY FENCE
- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER (SPECIAL), DUAL ROW
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- STONE RIPRAP, CLASS A3 (SPECIAL)
- COFFERDAMS (SPECIAL)
- INLET AND PIPE PROTECTION INLET FILTER
- TEMPORARY DITCH CHECK (CS)
- TEMPORARY DITCH CHECK (BEC)
- DEWATERING TRAIN
- ARTICULATED BLOCK REVETMENT MAT (CLOSED CELL)
- ARTICULATED BLOCK REVETMENT MAT (OPEN CELL, VEGETATED)
- RIVER ROCK
- STONE RIPRAP, CLASS A3

FLOODWAY LIMITS
FLOODPLAIN LIMITS
TREE PROTECTION, 1 EACH (TEMPORARY FENCE, 31 LF)
TEMP EASE
PERIMETER EROSION BARRIER (SPECIAL), SEE QTY ON SHEET 30
TDC (CS) SHEET 30
TEMPORARY DITCH CHECK (BEC)
COFFERDAMS (SPECIAL) LOCATION 2
COFFERDAMS (SPECIAL) LOCATION 1
WETLAND LIMITS
PERIMETER EROSION BARRIER (SPECIAL), SEE QTY ON SHEET 30
TEMP EASE
PR ROW
EX ROW
℄ LT SWALE
TEMP EASE
TEMPORARY FENCE SEE QTY ON SHEET 30
℄ & PGL WEST SOLON RD
9
10+00
11
WEST SOLON RD
SECTION LINE
TEMPORARY DITCH CHECK (BEC) SEE QTY ON SHEET 31
INLET AND PIPE PROTECTION INLET FILTER SEE QTY ON SHEET 30
EX ROW
35.52' ± CHANNEL WIDTH
COFFERDAMS (SPECIAL) LOCATION 1
PR ROW
LIMITS OF CONSTRUCTION, TYP
PERIMETER EROSION BARRIER (SPECIAL), SEE QTY ON SHT 30
TEMP EASE
COFFERDAMS (SPECIAL) LOCATION 2
PERIMTER EROSION BARRIER (SPECIAL), 85 LF
WATERWAY OF THE U.S. (WOTUS) / INAI LIMITS
WETLAND LIMITS
PERIMTER EROSION BARRIER (SPECIAL), 20 LF
TEMPORARY DITCH CHECK (BEC)
NB NIPPERSINK CREEK
WETLAND LIMITS
FLOODWAY LIMITS
BUFFER LIMITS
PR ROW
4.00' RT DITCH

MODEL: SESC 4 [Sheet]
FILE NAME: H:\McHenryCounty\W23301_00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESC.dgn

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - KK	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1" = 10" | SHEET 5 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	32
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		

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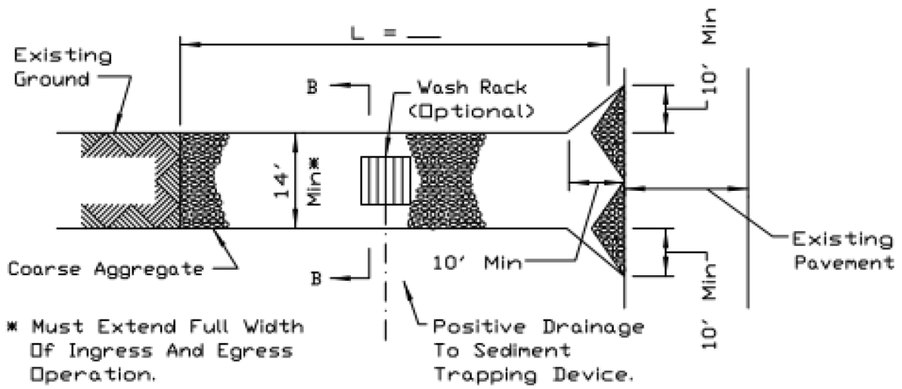
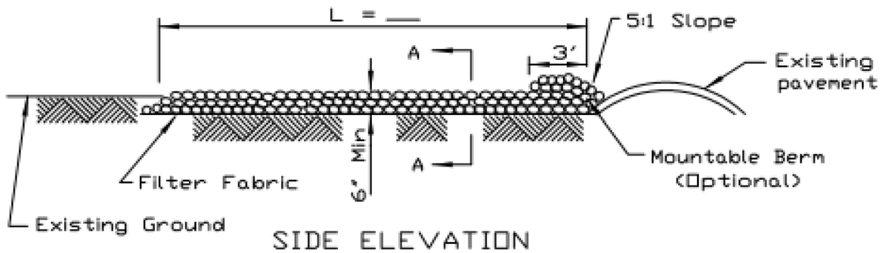
STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



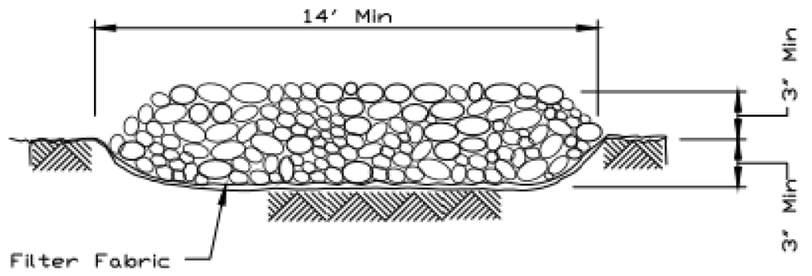
SIDE ELEVATION

NOTES:

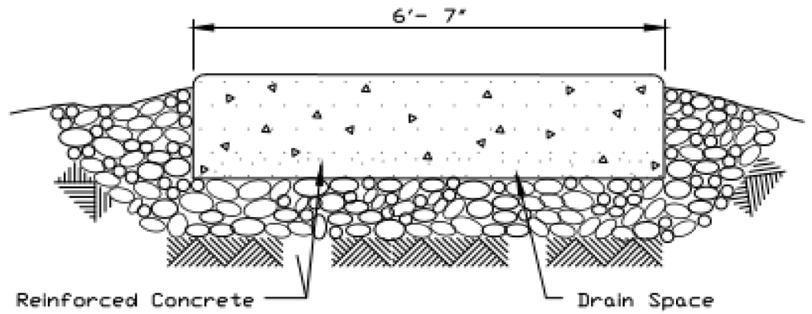
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE		STANDARD DWG. NO.
Project ___	NRCS Natural Resources Conservation Service	IL-630
Designed ___ Date ___		SHEET 1 OF 2
Checked ___ Date ___		DATE 8-18-94
Approved ___ Date ___		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE		STANDARD DWG. NO.
Project ___	NRCS Natural Resources Conservation Service	IL-630
Designed ___ Date ___		SHEET 2 OF 2
Checked ___ Date ___		DATE 8-18-94
Approved ___ Date ___		

DETAILS FOR "STABILIZED CONSTRUCTION ENTRANCE"

MODEL: SESC Detail 1 [Sheet]
FILE NAME: H:\McHenryCounty\W22301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\11_Sediment & Erosion Control\W22301-sht-SESCdetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

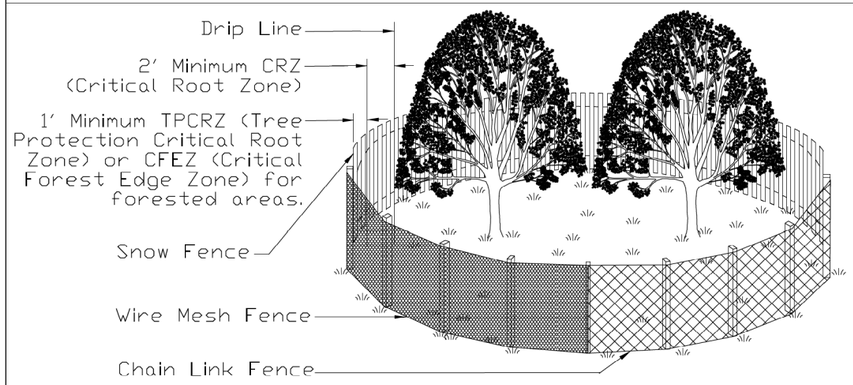
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

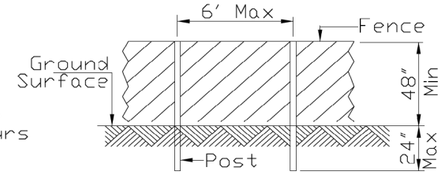
SCALE: N.T.S. | SHEET 6 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	33
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

TREE PROTECTION - FENCING
(Moderately Urbanized to Open Space Areas)



SIDE VIEW



POST AND FENCE DETAIL

NOTES:

1. Call J.U.L.I.E. (800-892-0123) for the location of existing utilities 48 hours prior to commencement of work.
2. The CRZ is located 2' from the farthest outreaching branch (drip edge) or the distance as determined by the ISA trunk diameter method or whichever is greater.
3. The fence shall be located 1' from the Critical Root Zone (CRZ) of the protected tree, thus creating the Tree Protection Critical Root Zone (TPCRZ) and the Critical Forest Edge Zone (CFEZ) for forested areas.
4. Fence Posts shall be either 6' steel posts @ 1.33Lbs./Ft. or 2" x 2" nominal wood posts.
5. For projects without highly significant or historical trees and that will last for less than 6 months duration, a non-treated wood lath snow fence or wire mesh fencing shall be used with appropriate posts that are securely anchored into the ground. For projects over 6 months in duration or trees considered significant or historical, a chain link fence with Construction Specification Chain Link Fence IUM 91 or better (as approved by the local Forester per local ordinances singularly or in tandem with the project Engineer) shall be used. Fencing shall be a minimum height of 4'. For chain link fencing, metal posts shall be placed 6' on center (OC) and the fencing securely anchored to the post.
6. Outside the TPCRZ or CFEZ, erosion and sediment control measures shall be installed to prevent sediment reaching the TPCRZ or the CFEZ. These measures shall extend out from the fence 10' and shall be continuous around the perimeter of the fence. These measures include, but are not limited to vegetative filter strip, rolled excelsior blankets and mulch with a 3" to 5" depth. Other measures may be used if approved by the Professional Forester, Certified Arborist or Horticulturalist. Installation shall cause no disturbance to soils.

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

STANDARD DWG. NO.
IUM-690-A
SHEET 1 OF 1
DATE 09 14 2017

DETAIL FOR "TEMPORARY FENCE" AT TREE PROTECTION

MODEL: SESC Detail 2 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02105_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESCdetail8.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

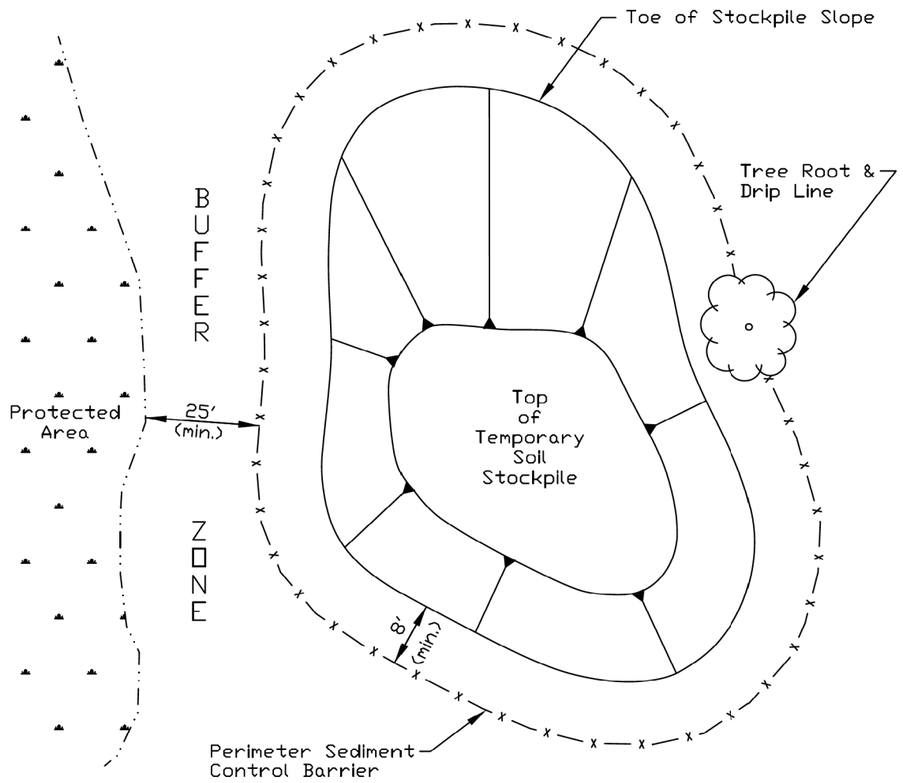
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: N.T.S. | SHEET 7 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	34
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY SOIL STOCKPILE DETAIL



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.

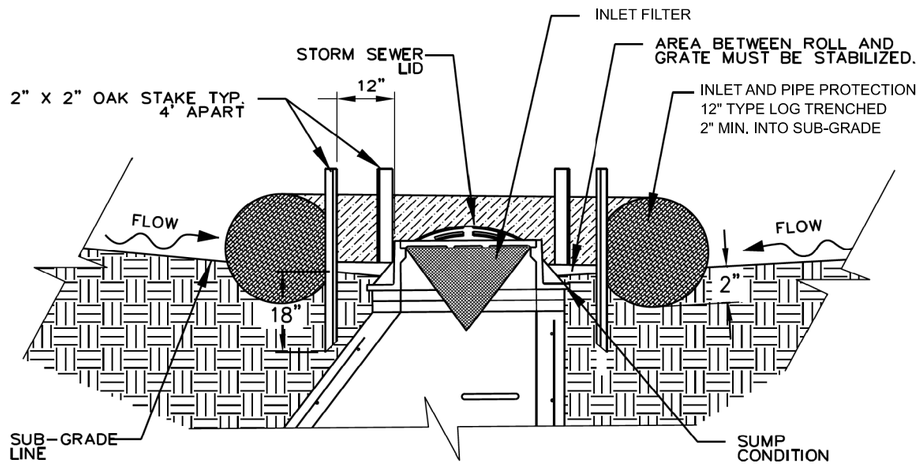
REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

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

DETAIL FOR MATERIAL STOCKPILES

INLET PROTECTION LOG TYPE

NOT TO SCALE



SECTION

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.

REFERENCE
Project
Designned _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

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

DETAIL FOR "INLET FILTERS" & "INLET AND PIPE PROTECTION"

MODEL: SESC Detail 3 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESCdetail8.dgn

ENGINEERING RESOURCE ASSOCIATES

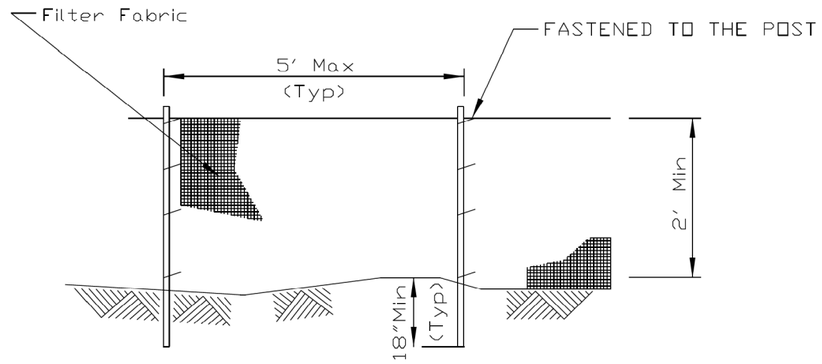
USER NAME = mlange	DESIGNED - KK	REVISED - KK	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

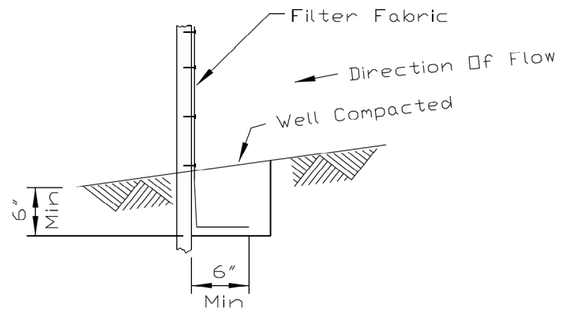
SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK
SCALE: N.T.S. | SHEET 8 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	35
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

SILT FENCE PLAN



ELEVATION



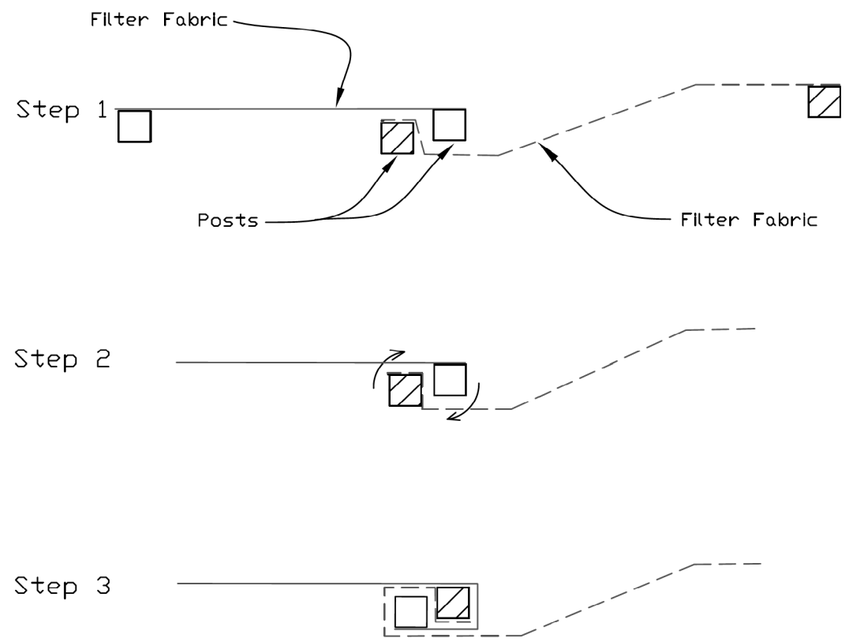
FABRIC ANCHOR DETAIL

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.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620A
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 04-15-2021
Approved ____ Date ____		

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.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620B(W)
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 3-16-2012
Approved ____ Date ____		

DETAILS FOR "PERIMETER EROSION BARRIER"

MODEL: SESC Detail 4 [Sheet]
FILE NAME: H:\McHenry\County\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESCdetails.dgn

ENGINEERING RESOURCE ASSOCIATES

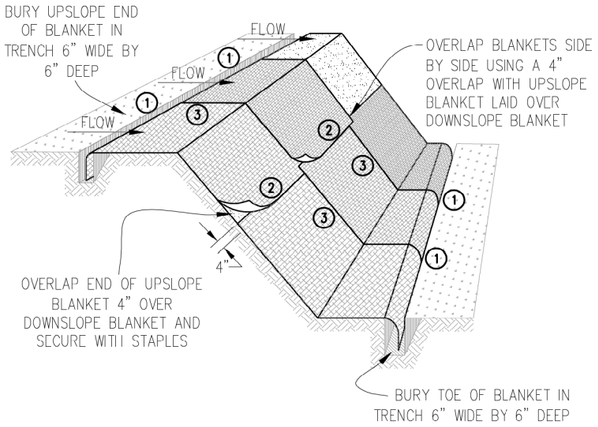
USER NAME = mlange		DESIGNED - KK		REVISED - KK	
		DRAWN - KK		REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED - EP		REVISED -	
PLOT DATE = 2/20/2026		DATE -		REVISED -	

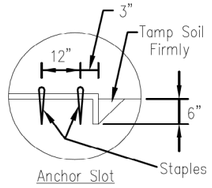
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

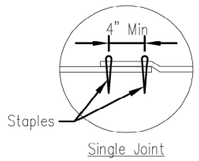
SCALE: N.T.S. | SHEET 9 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	36
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

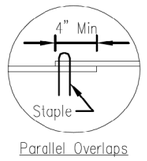




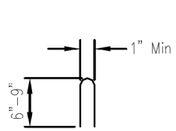
DETAIL 1



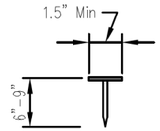
DETAIL 2



DETAIL 3



STAPLE DETAIL



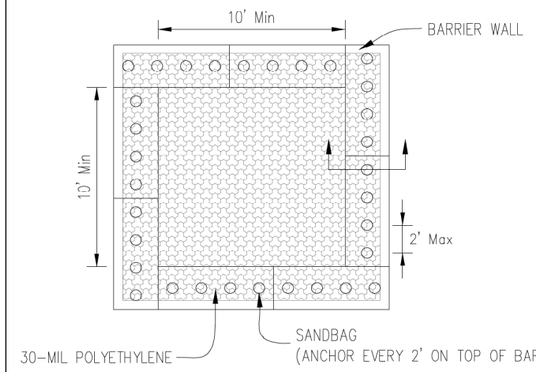
PUSH PIN DETAIL

NOTES:

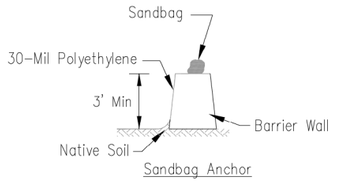
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1	Drawing No.	File No.	EROSION CONTROL BLANKET INSTALLATION DETAILS	Designed	Date
	WM-6.30			Drawn B. JOHNSON	11/08
				Checked	
				Approved	

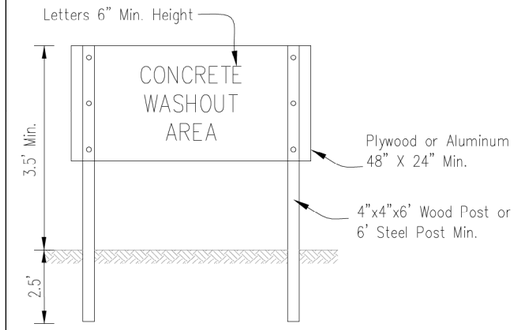
DETAIL FOR "WILDLIFE FRIENDLY EROSION CONTROL BLANKET"



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

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

Sheet 3 of 3	Drawing No.	File No.	TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL	Designed	Date
	WM-6.34CH			Drawn B. JOHNSON	6/08
				Checked	
				Approved	

DETAIL FOR "WASHOUT BASIN"

MODEL: SESC Detail 5 [Sheet]
FILE NAME: H:\McHenryCounty\W233301.00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\11_Sediment & Erosion Control\W233301-sht-SESCdetail5.dgn

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - KK	REVISED - KK
		DRAWN - KK	REVISED -
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -
	PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

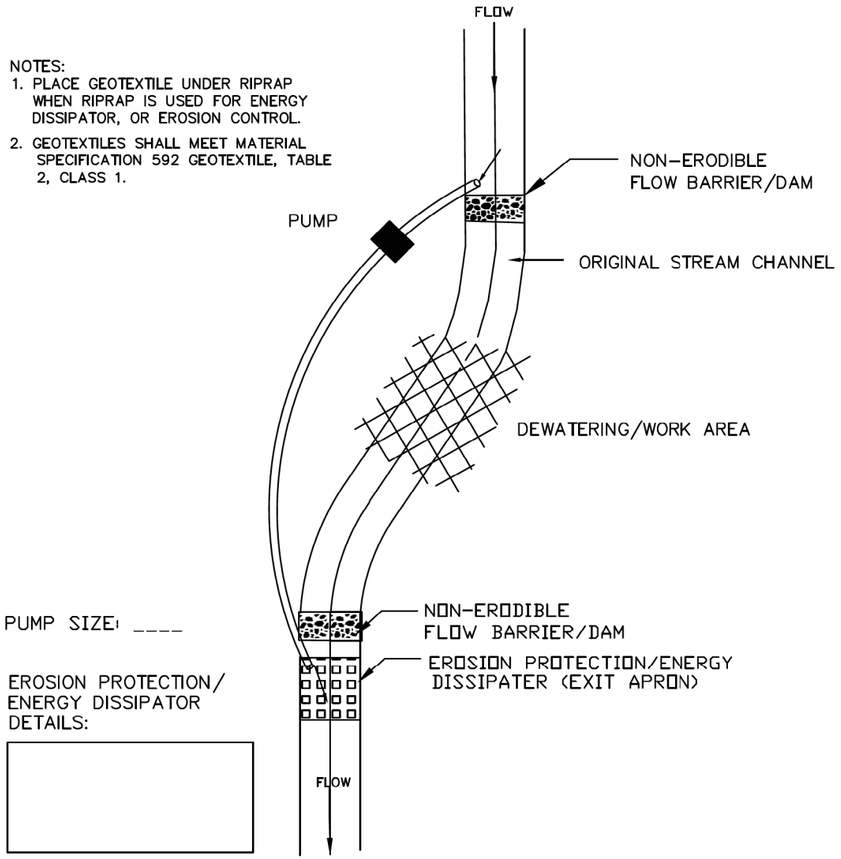
SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: N.T.S. | SHEET 10 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	37
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

TEMPORARY STREAM DIVERSION - BYPASS PUMP

NOTES:
1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL.
2. GEOTEXTILES SHALL MEET MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 2, CLASS 1.



PUMP SIZE: ____

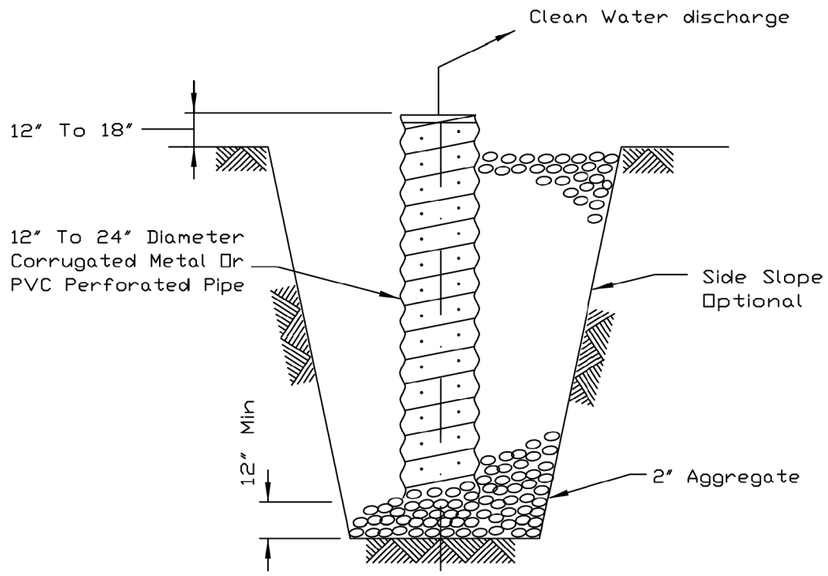
EROSION PROTECTION/ ENERGY DISSIPATOR DETAILS:

TYPICAL PUMPED DIVERSION PLAN

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

STANDARD DWG. NO.
IUM-676BP
SHEET 1 OF 1
DATE 7-29-2011

SUMP PIT PLAN



SECTION

NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

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

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO.
IL-650
SHEET 1 OF 1
DATE 8-11-94

DETAILS FOR "DEWATERING"

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

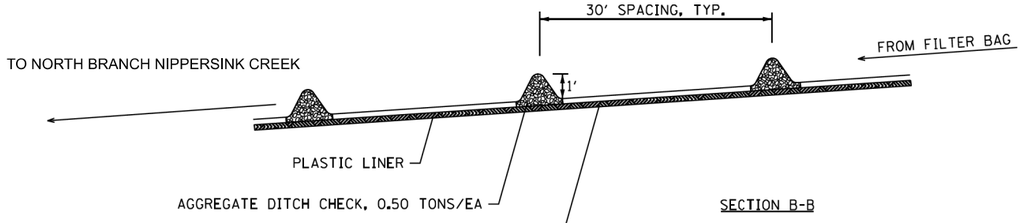
SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: N.T.S. | SHEET 11 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	38
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

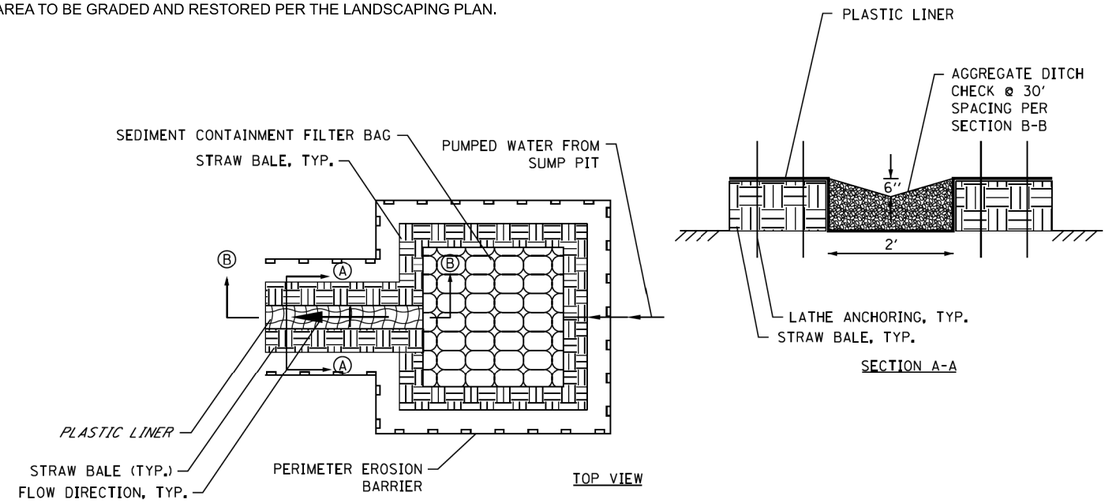
MODEL: SESC Detail 6 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02105_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESCdetail6.dgn

DEWATERING TRAIN



SECTION B-B

SLOPE GRADED AS NEEDED FOR ADEQUATE FLOW IN FIELD AS DETERMINED BY THE ENGINEER. UPON COMPLETION OF DEWATERING, AREA TO BE GRADED AND RESTORED PER THE LANDSCAPING PLAN.



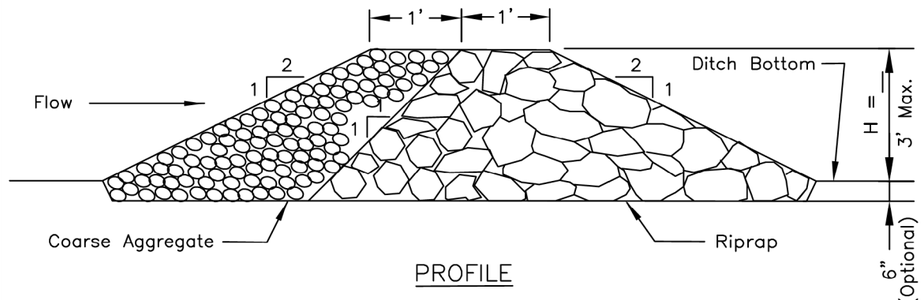
TOP VIEW

SECTION A-A

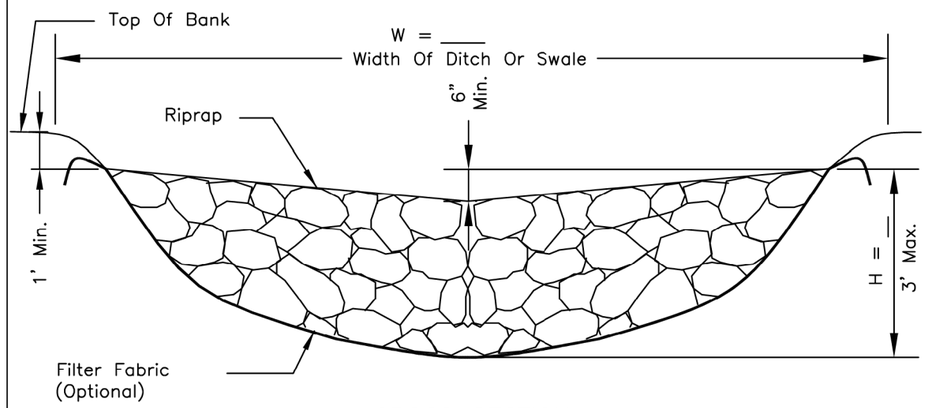
DEWATERING TRAIN NOTES:

1. IF DEWATERING IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED IN A SUMP PIT AT THE LOCATION SHOWN ON THE EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER, AND PUMPED INTO A DEWATERING SYSTEM PRIOR TO REJOINING THE FLOW OF THE RIVER.
2. REFER TO PROJECT SPECIFICATIONS FOR DEWATERING SUMP USE AND METHODOLOGY.
3. ALL ITEMS SHOWN ON THIS DETAIL TO BE INCLUDED IN THE COST OF "DEWATERING."

ROCK CHECK DAM - RIPRAP



PROFILE



CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

NOTES;
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
3. Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
5. For added stability, the base of the dam may be keyed 6 inches into the soil.
6. See plans for spacing of dams and H dimensions.
7. Maximum drainage area to each dam is 10 acres.
8. ROCK CHECK DAM-COARSE AGGREGATE IL-605CA may be used for drainage areas under 2 acres.

REFERENCE			
Project			
Designed		Date	
Checked		Date	
Approved		Date	

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO.
IL-605R
SHEET 1 OF 1
DATE 1-29-99

DETAILS FOR "DEWATERING"

MODEL: SESC Detail 7 [Sheet]
FILE NAME: =:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESCdetail7.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: N.T.S. | SHEET 12 OF 14 SHEETS | STA. | TO STA.

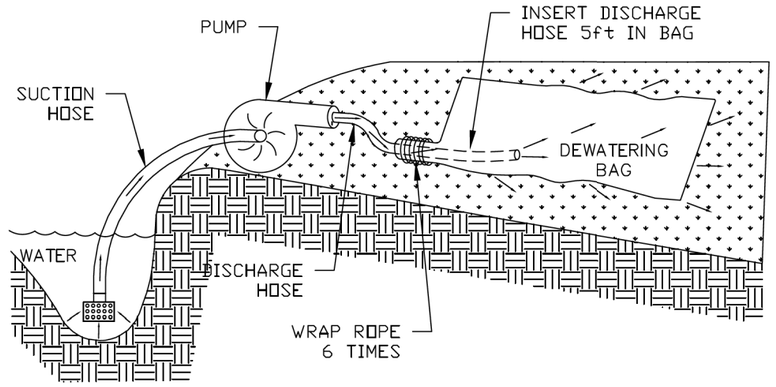
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	39
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

DEWATERING BAG STANDARD DRAWING

THE PURPOSE OF A DEWATERING BAG IS TO COLLECT SEDIMENT CONTAINED IN THE DISCHARGE WATER, TO PREVENT THE SCOUR AND EROSION FROM EXITING A PIPE AT HIGH VELOCITY, TO DEFUSE THE WATER OVER A WIDER AREA TO MINIMIZE EROSION AS THE WATER DRAINED AWAY, AND TO RETAIN OIL CONTAINED WITHIN EFFLUENT.

A DEWATERING BAG SHOULD BE USED ANYTIME WATER IS PUMPED ON THE SITE.

APPARENT OPENING SIZE
80 SIEVE = 0.18 MM



INSTALLATION AND USE:

1. PLACE DEWATERING BAG ON THE GROUND OR ON A TRAILER OVER A RELATIVELY LEVEL, STABILIZED AREA.
2. INSERT DISCHARGE PIPE A MINIMUM OF 5ft. INSIDE DEWATERING BAG AND SECURE WITH A ROPE WRAPPED 6 TIMES AROUND THE SNOUT OVER A 6 INCH WIDTH OF THE BAG.
3. REPLACE DEWATERING BAG WHEN HALF FULL OF SEDIMENT OR WHEN THE SEDIMENT HAS REDUCED THE FLOW RATE OF THE PUMP DISCHARGE TO AN IMPRACTICAL AMOUNT.

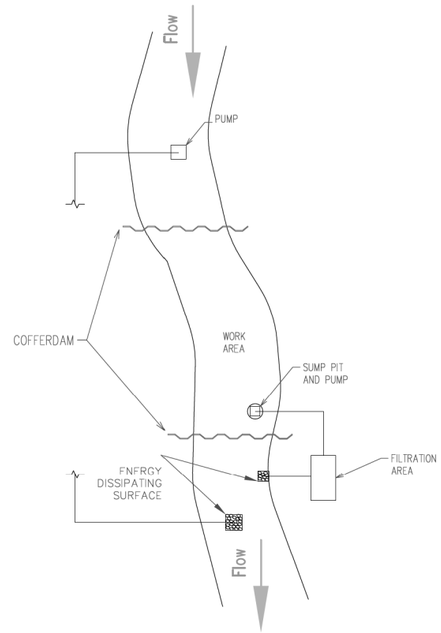
MAINTENANCE AND DISPOSAL:

1. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT AWAY FROM WATERWAYS OR ENVIRONMENTALLY SENSITIVE AREAS. SLIT OPEN SEDIMENT BAG AND REMOVE ACCUMULATED SEDIMENT. DISPOSE OF BAG AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY. OR; AS DIRECTED BY THE ENGINEER.

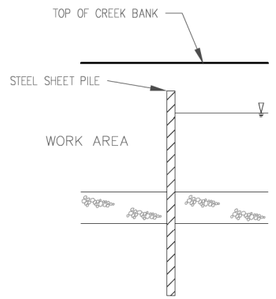
DEWATERING BAG DETAIL
NOT TO SCALE

DETAIL FOR "DEWATERING"

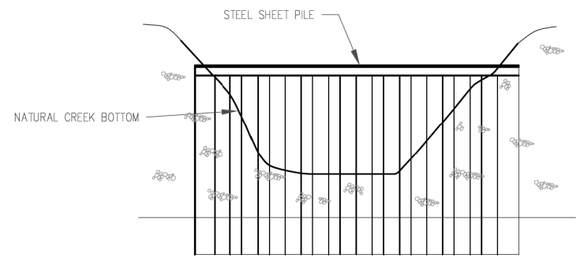
STEEL SHEET PILE COFFERDAM



PLAN VIEW



PROFILE



CROSS-SECTION

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

DETAIL FOR "COFFERDAMS (SPECIAL)"

MODEL: SESC Detail 8 [Sheet]
FILE NAME: H:\McHenryCounty\W233001.00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\11_Sediment & Erosion Control\W233001-sht-SESCdetail8.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

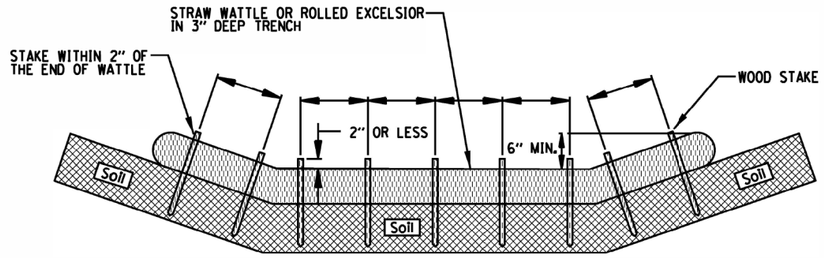
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK
SCALE: N.T.S. | SHEET 13 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	40
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

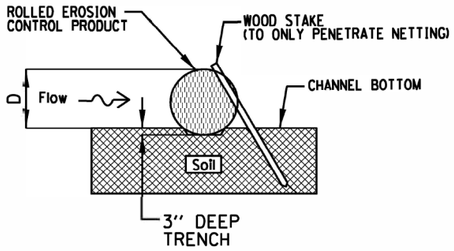
ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE



NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
2. 4' SPACING FOR WATTLES.
3. 2' SPACING FOR ROLLED EXCELSIOR.
4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

STAKE DETAIL



NOTES:
1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

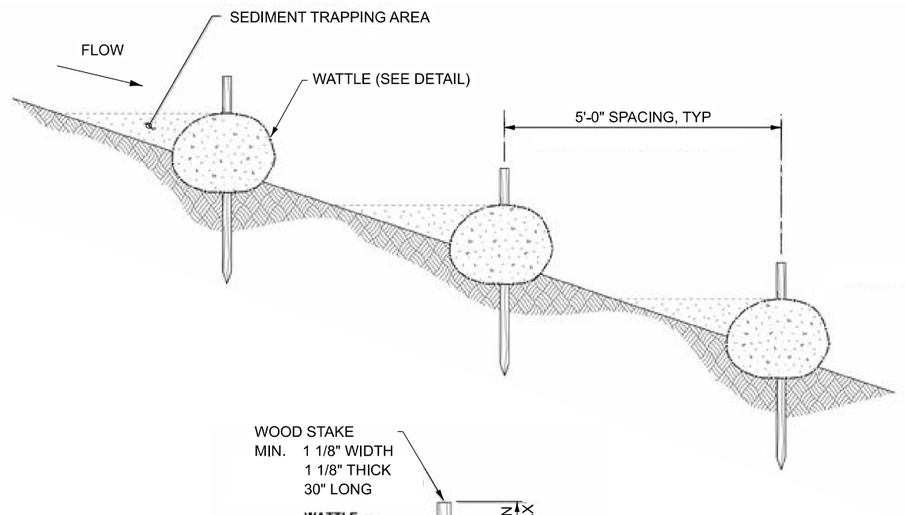
REFERENCE		STANDARD DWG. NO.
Project		IUM-514
Designed	Date	SHEET 1 OF 1
Checked	Date	DATE 08-2-2019
Approved	Date	

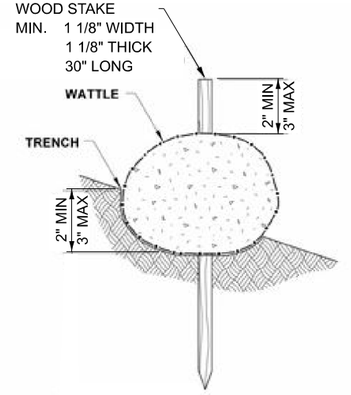
DETAIL FOR "TEMPORARY DITCH CHECK" FOR CHECK STRUCTURES (CS) & "PERIMETER EROSION BARRIER (SPECIAL)" *

*SEE SPECIAL PROVISION

ROLLED EROSION CONTROL PRODUCTS

INSTALLATION GUIDE





WATTLE DETAIL

NOTES:
1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTERS OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. STAKES SHALL EXTEND A MINIMUM OF 2" AND MAXIMUM OF 3" ABOVE THE WATTLE.
4. WATTLES SHALL BE SECURED TO THE GROUND BY STAKES SPACED APPROXIMATELY EVERY 4-FT. ALONG THE LENGTH OF THE WATTLE.
5. A STAKE SHALL BE PLACED WITHIN 6" OF THE END OF THE WATTLE. WHEN JOINING TWO WATTLES, TIGHTLY ABUT BOTH ENDS.

DETAIL FOR "TEMPORARY DITCH CHECK" FOR BATTER EROSION CONTROL (BEC)

MODEL: SESC Detail 9 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\11_Sediment & Erosion Control\W23301-sht-SESCdetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 '/ In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION & SEDIMENT CONTROL DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: N.T.S. | SHEET 14 OF 14 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	41
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

####

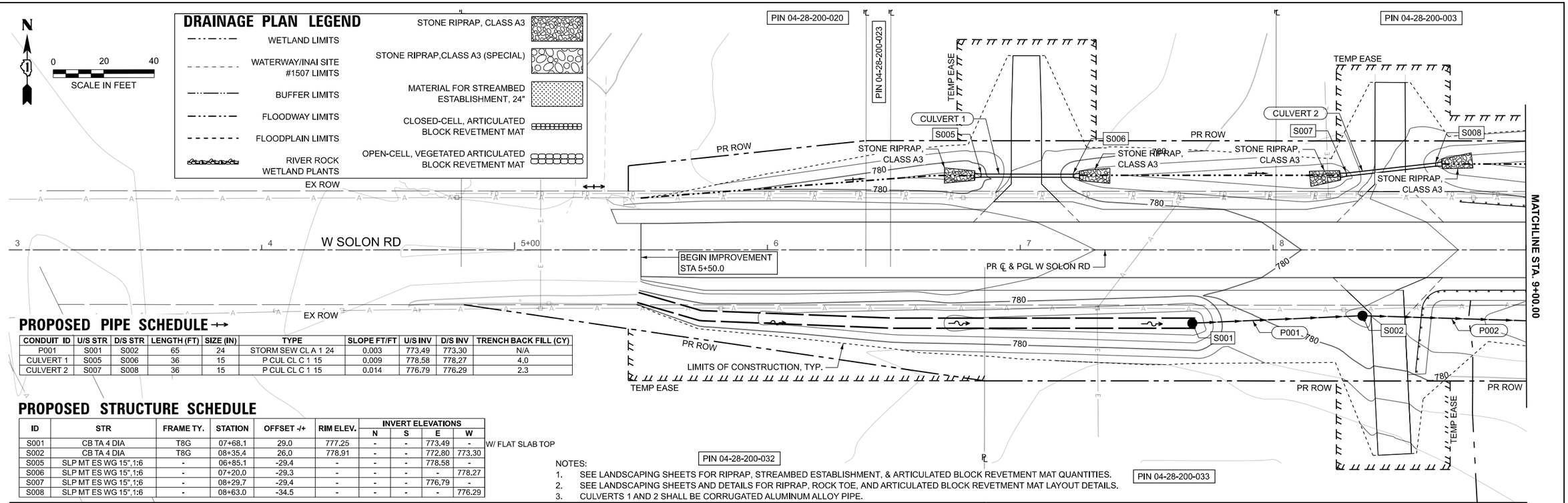
N

0 20 40

SCALE IN FEET

DRAINAGE PLAN LEGEND

- WETLAND LIMITS
- WATERWAY/INAI SITE #1507 LIMITS
- BUFFER LIMITS
- FLOODWAY LIMITS
- FLOODPLAIN LIMITS
- RIVER ROCK WETLAND PLANTS
- STONE RIPRAP, CLASS A3
- STONE RIPRAP,CLASS A3 (SPECIAL)
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- CLOSED-CELL, ARTICULATED BLOCK REVETMENT MAT
- OPEN-CELL, VEGETATED ARTICULATED BLOCK REVETMENT MAT



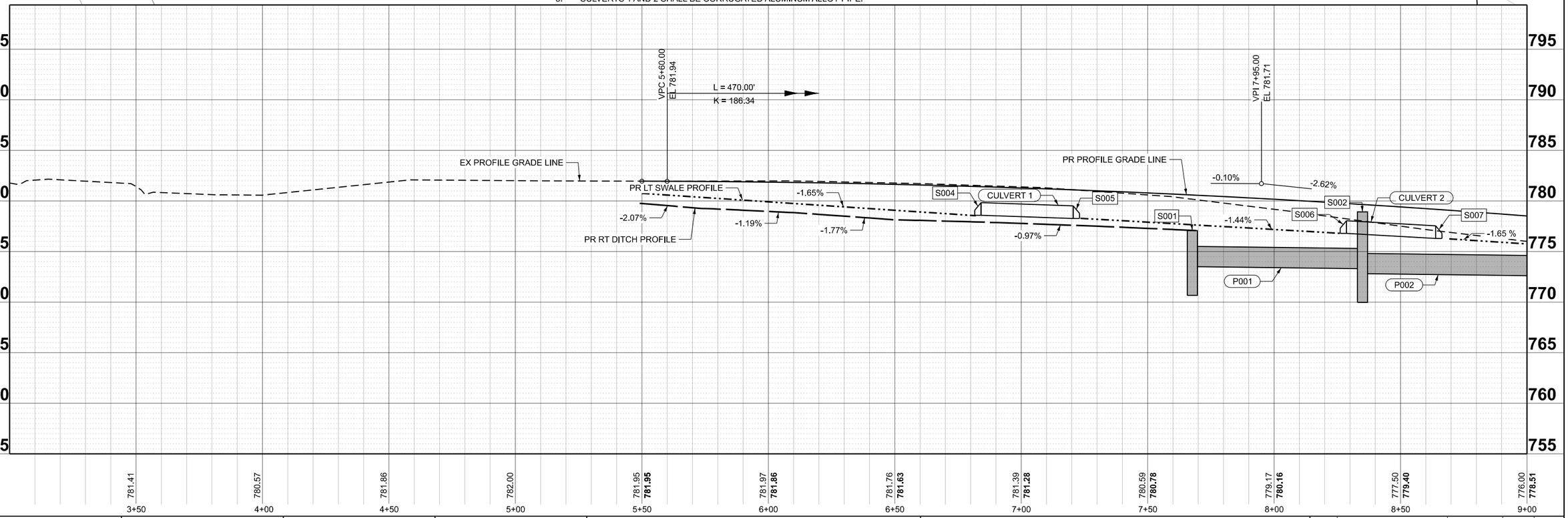
PROPOSED PIPE SCHEDULE

CONDUIT ID	U/S STR	D/S STR	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE FT/FT	U/S INV	D/S INV	TRENCH BACK FILL (CY)
P001	S001	S002	65	24	STORM SEW CL A 1 24	0.003	773.49	773.30	N/A
CULVERT 1	S005	S006	36	15	P CUL CL C 1 15	0.009	778.58	778.27	4.0
CULVERT 2	S007	S008	36	15	P CUL CL C 1 15	0.014	776.79	776.29	2.3

PROPOSED STRUCTURE SCHEDULE

ID	STR	FRAME TY.	STATION	OFFSET -/+	RIM ELEV.	INVERT ELEVATIONS				
						N	S	E	W	
S001	CB TA 4 DIA	T8G	07+68.1	29.0	777.25	-	-	773.49	-	W/ FLAT SLAB TOP
S002	CB TA 4 DIA	T8G	08+35.4	26.0	778.91	-	-	772.80	773.30	
S005	SLP MT ES WG 15",1:6	-	06+85.1	-29.4	-	-	-	778.58	-	
S006	SLP MT ES WG 15",1:6	-	07+20.0	-29.3	-	-	-	-	778.27	
S007	SLP MT ES WG 15",1:6	-	08+29.7	-29.4	-	-	-	776.79	-	
S008	SLP MT ES WG 15",1:6	-	08+63.0	-34.5	-	-	-	-	776.29	

NOTES:
1. SEE LANDSCAPING SHEETS FOR RIPRAP, STREAMBED ESTABLISHMENT, & ARTICULATED BLOCK REVETMENT MAT QUANTITIES.
2. SEE LANDSCAPING SHEETS AND DETAILS FOR RIPRAP, ROCK TOE, AND ARTICULATED BLOCK REVETMENT MAT LAYOUT DETAILS.
3. CULVERTS 1 AND 2 SHALL BE CORRUGATED ALUMINUM ALLOY PIPE.



MODEL: P:\CL_WSOLONRD - Plan [Sheet]
FILE NAME: I:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0202_Drainage\03_Sheet\12_Drainage & Utilities\W23301-sht-Drain&Utilities.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME	= nmikolajczyk	DESIGNED	- TS	REVISED	-
		DRAWN	- NM	REVISED	-
PLOT SCALE	= 0.16666633 ' / In.	CHECKED	- ML	REVISED	-
PLOT DATE	= 2/20/2026	DATE	- 2/20/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 03+00.00 | TO STA. 09+00.00

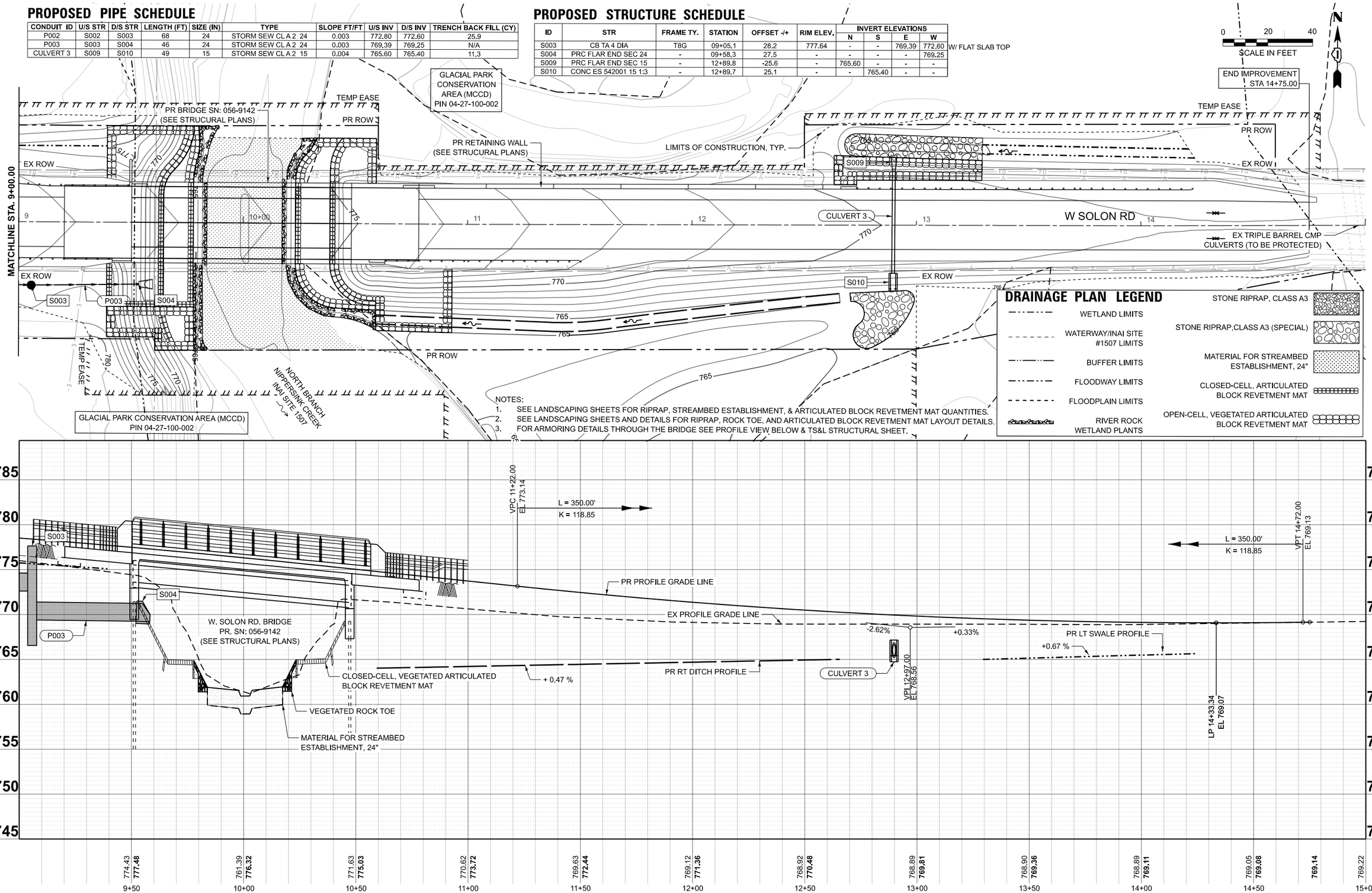
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	42
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

PROPOSED PIPE SCHEDULE

CONDUIT ID	U/S STR	D/S STR	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE FT/FT	U/S INV	D/S INV	TRENCH BACK FILL (CY)
P002	S002	S003	68	24	STORM SEW CL A 2 24	0.003	772.80	772.60	25.9
P003	S003	S004	46	24	STORM SEW CL A 2 24	0.003	769.39	769.25	N/A
CULVERT 3	S009	S010	49	15	STORM SEW CL A 2 15	0.004	765.60	765.40	11.3

PROPOSED STRUCTURE SCHEDULE

ID	STR	FRAME TY.	STATION	OFFSET -/+	RIM ELEV.	INVERT ELEVATIONS N	S	E	W
S003	CB TA 4 DIA	T8G	09+05.1	28.2	777.64	-	-	769.39	772.60 W/ FLAT SLAB TOP
S004	PRC FLAR END SEC 24	-	09+58.3	27.5	-	-	-	-	769.25
S009	PRC FLAR END SEC 15	-	12+89.8	-25.6	-	765.60	-	-	-
S010	CONC ES 542001 15 1:3	-	12+89.7	25.1	-	-	765.40	-	-



DRAINAGE PLAN LEGEND

- WETLAND LIMITS
- WATERWAY/INAI SITE #1507 LIMITS
- BUFFER LIMITS
- FLOODWAY LIMITS
- FLOODPLAIN LIMITS
- RIVER ROCK WETLAND PLANTS
- STONE RIPRAP, CLASS A3
- STONE RIPRAP,CLASS A3 (SPECIAL)
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- CLOSED-CELL, ARTICULATED BLOCK REVETMENT MAT
- OPEN-CELL, VEGETATED ARTICULATED BLOCK REVETMENT MAT

NOTES:
1. SEE LANDSCAPING SHEETS FOR RIPRAP, STREAMBED ESTABLISHMENT, & ARTICULATED BLOCK REVETMENT MAT QUANTITIES.
2. SEE LANDSCAPING SHEETS AND DETAILS FOR RIPRAP, ROCK TOE, AND ARTICULATED BLOCK REVETMENT MAT LAYOUT DETAILS.
3. FOR ARMORING DETAILS THROUGH THE BRIDGE SEE PROFILE VIEW BELOW & TS&L STRUCTURAL SHEET.

MODEL: P:\CL_WSOLONRD - Plan-1 [Sheet]
FILE NAME: H:\McHenry\County\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0202_Drainage\03_Sheet\12_Drainage & Utilities\W23301-sht-Drain&Utilities.dgn

ENGINEERING RESOURCE ASSOCIATES

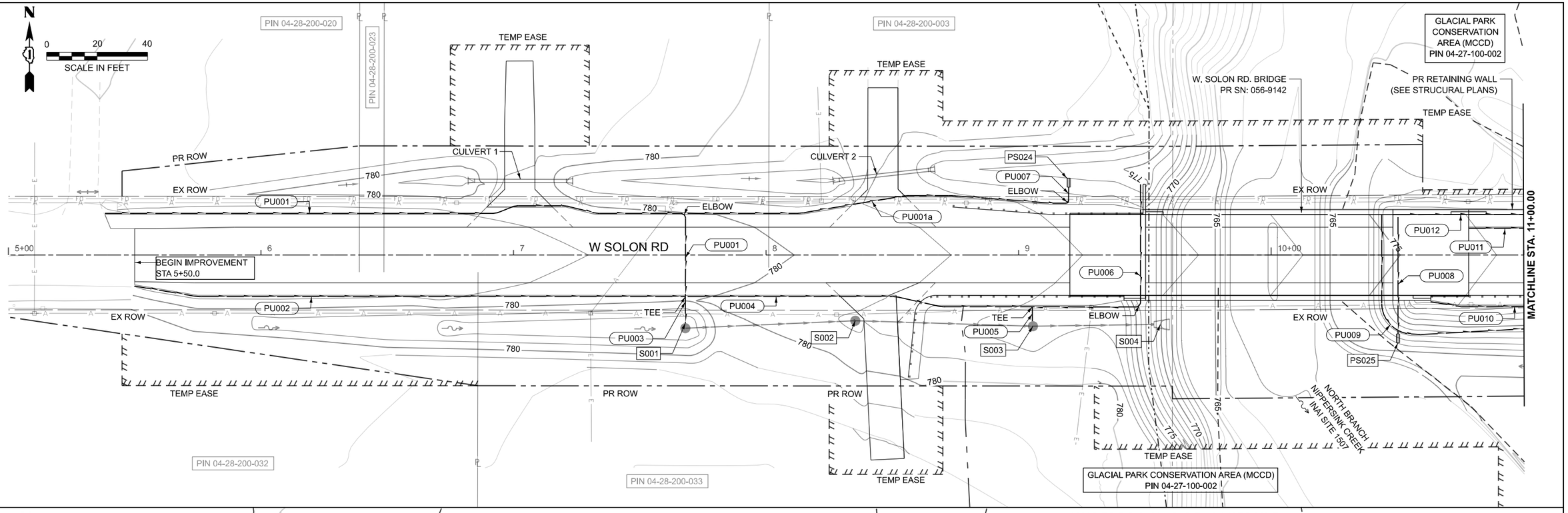
USER NAME = nmikolajczyk	DESIGNED - TS	REVISED -	
	DRAWN - NM	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE - 2/20/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 09+00.00 | TO STA. 15+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	43
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



UNDERDRAIN PIPE SCHEDULE

PIPE ID	START STA.	OUTLET STR.	OFFSET	TYPE	SIZE (IN)	LENGTH (FT)
PU001	05+38.18	S001	LT	2	4	262
PU001a	07+68.89	PS024	LT	2	4	152
PU002	05+50.00	S001	RT	2	4	218
PU003	CONNECTION TO S001		RT	SPECIAL	4	11
PU004	07+68.95	S003	RT	2	4	137
PU005	CONNECTION TO S003		RT	SPECIAL	4	6
PU006	09+48.27	S003	RT	FOR STRUCTURES	4	92
PU007	09+19.82	PS024	LT	SPECIAL	4	7
PU008	10+50.61	PS025	RT	FOR STRUCTURES	4	47
PU009	10+44.04	CULVERT 3	RT	2	4	293
PU010	10+63.28	PS026	RT	2	4	223
PU011	10+78.48	PS011a	LT	2	4	203
PU011a	CONNECTION TO PS011a		LT	SPECIAL	4	18
PU012	10+48.22	CULVERT 3	LT	2	4	241
PU013	14+02.98	CULVERT 3	LT	2	4	113
PU014	12+91.53	PS028	LT	2	4	142
PU015	CONNECTION TO PS026		RT	SPECIAL	4	13
PU016	CONNECTION TO PS027		RT	SPECIAL	4	12
PU017	12+91.15	PU028	RT	2	4	142
PU018	14+05.00	PS027	RT	2	4	110
PU019	14+33.09	PS028	RT	2	4	37
PU020	14+75.00	PS028	LT	2	4	45
PU021	CONNECTION TO PS028		LT	SPECIAL	4	5
PU022	CONNECTION TO PS028		LT	SPECIAL	4	3
PU023	14+74.00	PS028	RT	2	4	43

UNDERDRAIN STRUCTURE SCHEDULE

STR	STA.	OFFSET
PS011a	12+81.00	LT
PS024	09+20.00	LT
PS025	10+50.00	RT
PS026	12+86.00	RT
PS027	12+94.00	RT
PS028	14+34.00	LT

S.P.U.D. PLAN LEGEND

- PIPE UNDERDRAIN & CONCRETE HEADWALL FOR PIPE DRAINS (AS NOTED)
- WETLAND LIMITS
- WATERWAY/INAI SITE #1507 LIMITS
- BUFFER LIMITS
- FLOODWAY LIMITS
- FLOODPLAIN LIMITS

NOTE:
1. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM OF 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
2. PIPE UNDERDRAINS LABELED PU009 AND PU018 SHALL BE INSTALLED FOR UNDERCUT TO BE DETERMINED AND SHALL BE INSTALLED AT ELEVATION 765.5.
3. RODENT SHIELDS SHALL BE INSTALLED AT ALL PIPE UNDERDRAIN OUTLET HEADWALLS.

ENGINEERING RESOURCE ASSOCIATES

USER NAME = nmikolajczyk	DESIGNED - TS	REVISED -	
	DRAWN - NM	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE - 2/20/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUB-SURFACE PIPE UNDERDRAIN PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 5+00.00 TO STA. 17+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	44
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

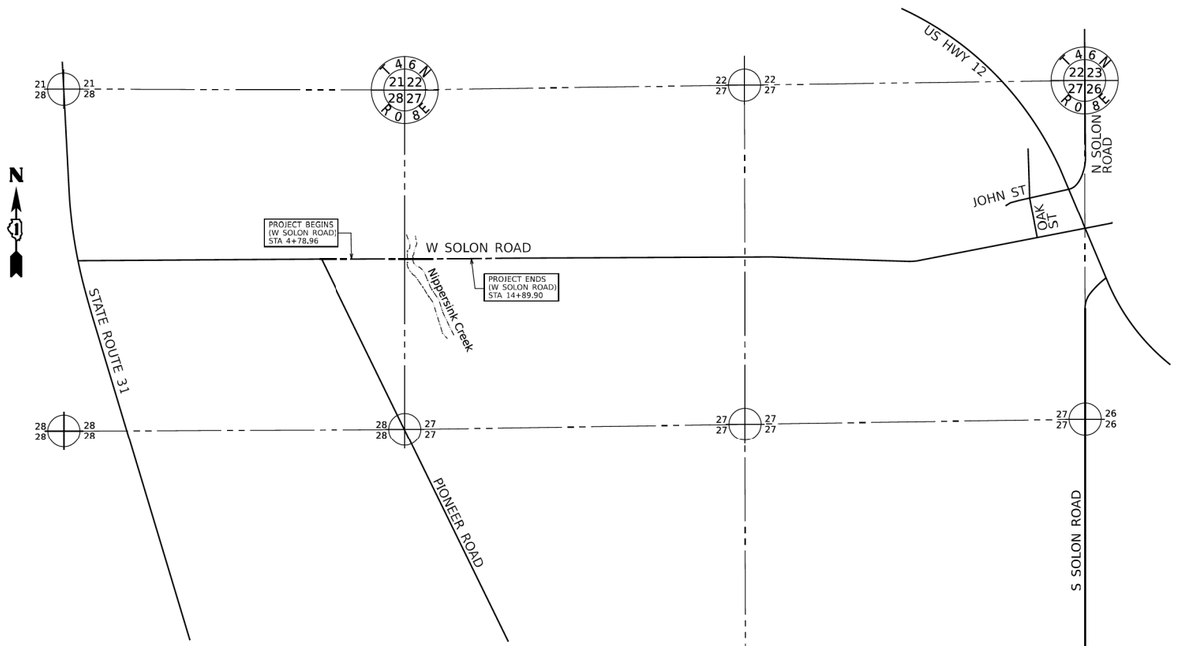
MODEL: PrCL_WSOLONRD - Plan 1 [Sheet]
FILE NAME: H:\McHenryCounty\W23301_00 West Solon Phase II\CADD\CADD ORD 23-02\02_Drainage\03_Sheet\12_Drainage & Utilities\W23301-sht-SubsurfacePipeUnderdrain.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: WEST SOLON ROAD
SECTION: 19–00510–00–BR
COUNTY: MCHENRY
LIMITS: AT NIPPERSINK CREEK
JOB NO.: R–55–001–97

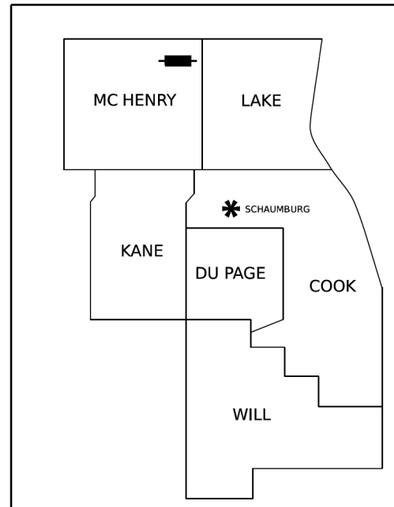
PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001	WILLIAM DAVID ETTEN AND KIMBERLY ANN ETTEN, IN JOINT TENANCY	2, 6	
0002 0002TE	PATRICK JOHN DALEY	2, 6	
0003 0003TE	LAWRENCE A. PEDLEY AND SHERRY A. PEDLEY, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	2	
0004 0004TE-A 0004TE-B 0004TE-C	McHENRY COUNTY CONSERVATION DISTRICT	3, 6	
0005 0005TE	JEREMY MEYER AND SUSAN MEYER, HUSBAND AND WIFE, AS TENANTS IN COMMON	4, 6	
0006 0006TE-A 0006TE-B	JENNIFER HASBROOK, DIVORCED AND NOT SINCE REMARRIED	4	
0007 0007TE	McHENRY COUNTY CONSERVATION DISTRICT	5, 6	



SHEET 1 COVER & INDEX SHEET
SHEET 2 W SOLON ROAD – STA. 4+78.96 TO 9+61.00
SHEET 3 W SOLON ROAD – STA. 9+61.00 TO 14+89.90
SHEET 4 W SOLON ROAD – STA. 4+78.96 TO 9+61.00
SHEET 5 W SOLON ROAD – STA. 9+61.00 TO 14+89.90
SHEET 6 W SOLON ROAD – STA. 4+78.96 TO 14+89.90

LOCATION MAP
NOT TO SCALE

PROJECT LENGTH = 1,010.94 FT. = 0.192 MILE (W SOLON ROAD)



DISTRICT HEADQUARTERS: –
LOCATION OF SECTION INDICATED THUS: –

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ENGINEERING RESOURCE ASSOCIATES
3S701 WEST AVENUE, SUITE 150
WARRENVILLE, IL 60555
630.393.3060 Info@eraconsultants.com

IDOT USE ONLY

MODEL: POH-1 [Sheet]
FILE NAME: H:\McHenry\County\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\12_Plat of Highways & ROW\W23301-sht-POH.dgn

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
	PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
WEST SOLON RD OVER NB NIPPERSINK CREEK

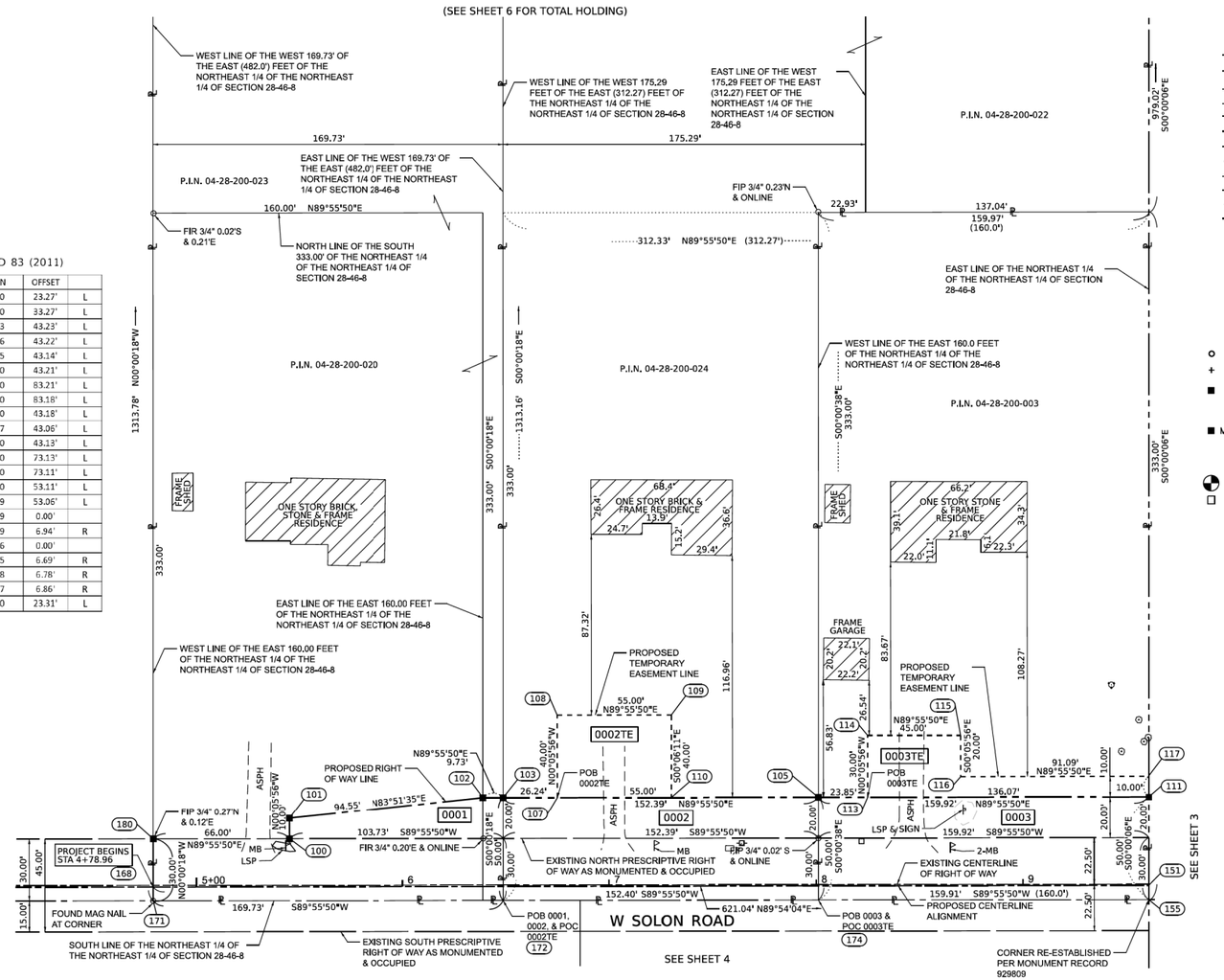
SCALE: N.T.S. | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	45
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

PART OF THE NORTHEAST QUARTER OF SECTION 28, TWP. 46 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
100	2,102,980.823	993,865.972	5+45.00	23.27'	L
101	2,102,990.823	993,865.955	5+45.00	33.27'	L
102	2,103,000.937	993,959.967	6+39.03	43.23'	L
103	2,103,000.949	993,969.697	6+48.76	43.22'	L
105	2,103,001.134	994,122.088	8+01.15	43.14'	L
107	2,103,000.981	993,995.937	6+75.00	43.21'	L
108	2,103,040.981	993,995.868	6+75.00	83.21'	L
109	2,103,041.047	994,050.868	7+30.00	83.18'	L
110	2,103,001.047	994,050.940	7+30.00	43.18'	L
111	2,103,001.328	994,282.010	9+61.07	43.06'	L
113	2,103,001.163	994,145.937	8+25.00	43.13'	L
114	2,103,031.163	994,145.886	8+25.00	73.13'	L
115	2,103,031.217	994,190.885	8+70.00	73.11'	L
116	2,103,011.217	994,190.920	8+70.00	53.11'	L
117	2,103,011.328	994,282.009	9+61.09	53.06'	L
151	2,102,958.267	994,282.003	9+60.99	0.00'	
155	2,102,951.328	994,282.011	9+60.99	6.94'	R
168	2,102,957.435	993,799.970	4+78.96	0.00'	
171	2,102,950.743	993,799.971	4+78.95	6.69'	R
172	2,102,950.949	993,969.701	6+48.68	6.78'	R
174	2,102,951.134	994,122.098	8+01.07	6.86'	R
180	2,102,980.743	993,799.968	4+79.00	23.31'	L



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING PRESCRIPTIVE R.O.W. ACRES	REMAINDER AREA ACRES	TEMPORARY EASEMENT AREA			PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	EASEMENT PURPOSE	
0001	5.118	0.154	0.117	4.964				04-28-200-020 04-28-200-023
0002	8.189	0.175	0.105	8.014				04-28-200-024 04-28-200-022
0002TE					0.051		DRIVEWAY RECONSTRUCTION	
0003	1.223	0.184	0.110	1.039				04-28-200-003
0003TE					0.052		DRIVEWAY RECONSTRUCTION & GRADING	

REVISION DATE: 02/28/2025 REVISION MADE BY: SDS
REVISION DATE: 03/26/2025 REVISION MADE BY: SDS

LEGEND

SECTION CORNER (T 41 N, R 8 E, 9 10 16 15) — QUARTER SECTION CORNER (16 15)

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 30

SCALE: 1"=30'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

- IRON PIPE OR ROD FOUND
- \+ CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/ 8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND", TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994340.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON 11-13-2024.

STATE OF ILLINOIS)
)SS
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, ENGINEERING RESOURCE ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001186, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 46 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WARRENVILLE, ILLINOIS THIS 3rd DAY OF OCTOBER, 2025 A.D.

TIMOTHY B. MARTINEK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003782
LICENSE EXPIRATION DATE: NOVEMBER 30, 2026

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ASPH ASPHALT
LSP LANDSCAPE PERIMETER
MB MAILBOX
POB POINT OF BEGINNING
POC POINT OF COMMENCEMENT
POT POINT OF TANGENCY

IDOT USE ONLY

ENGINEERING RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
WARRENVILLE, IL 60555
630.393.3060 info@eraconsultants.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST SOLON ROAD

LIMITS: AT NIPPERSINK CREEK — COUNTY: MCHENRY
SECTION: 19-00510-00-BR — JOB NO.: R-55-001-97
STA. 4+78.96 TO STA. 9+61.00
SCALE: 1" = 30' — SHEET 2 OF 6 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: POH-2 [Sheet]
FILE NAME: I:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02101_Roadway\03_Sheet\12_Plat of Highways & ROW\W23301-sht-POH.dgn

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS WEST SOLON RD OVER NB NIPPERSINK CREEK
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -		
	PLOT DATE = 2/20/2026	DATE -	REVISED -		SCALE: N.T.S. SHEET 2 OF 6 SHEETS STA. TO STA.

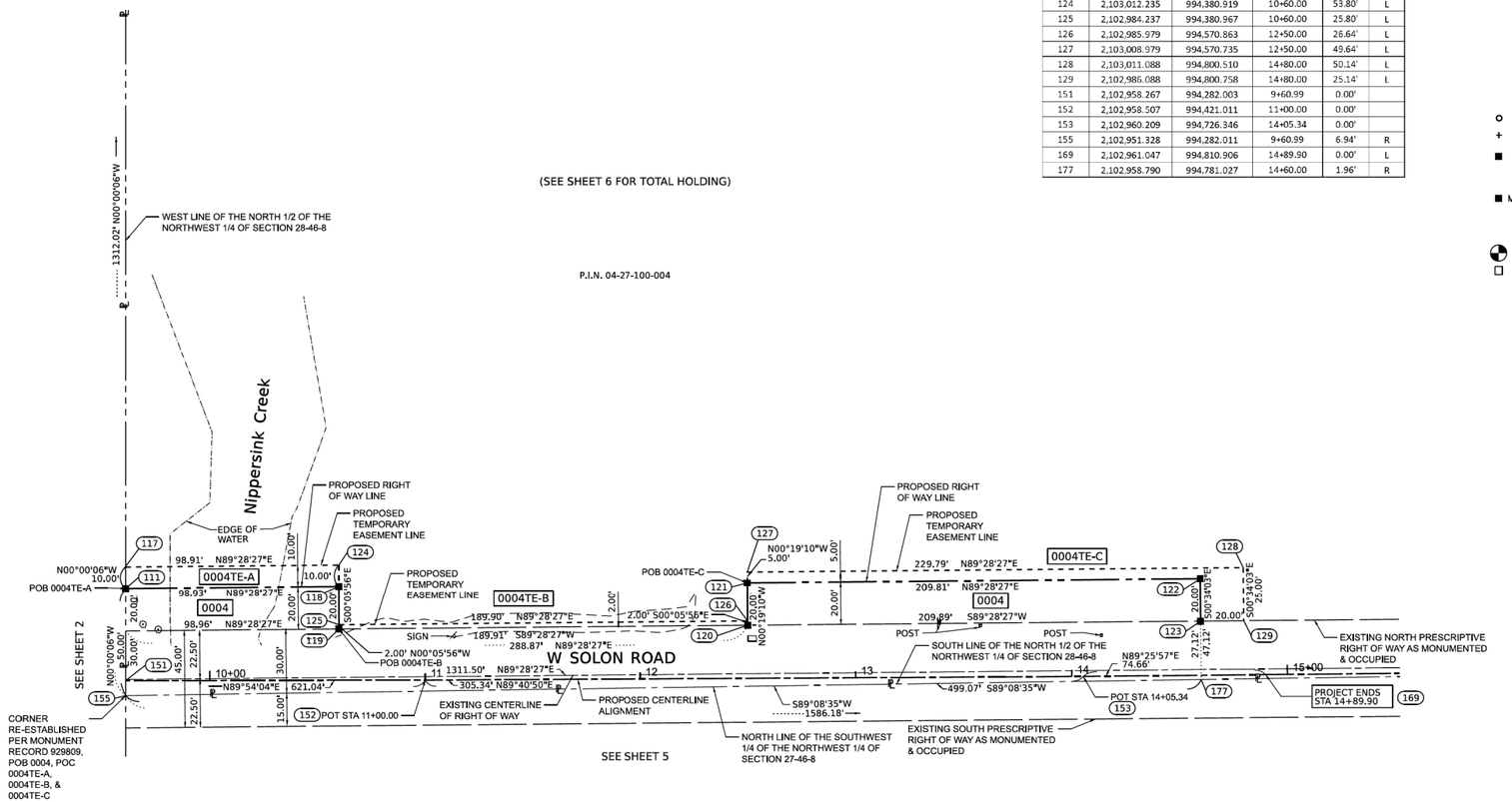
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	46
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

PART OF THE NORTHWEST QUARTER OF SECTION 27, TWP. 46 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING PRESCRIPTIVE R.O.W. ACRES	REMAINDER AREA ACRES	TEMPORARY EASEMENT AREA			PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	EASEMENT PURPOSE	
0004	59.173	0.469	0.327	58.704				04-27-100-004
0004TE-A					0.023		BRIDGE ACCESS & GRADING	
0004TE-B					0.009	380	RETAINING WALL & GRADING	
0004TE-C					0.036		IMPROVEMENT ACCESS & GRADING	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
111	2,103,001.328	994,282.010	9+61.07	43.06'	L
117	2,103,011.328	994,282.009	9+61.09	53.06'	L
118	2,103,002.236	994,380.936	10+60.00	43.80'	L
119	2,102,982.236	994,380.970	10+60.00	23.80'	L
120	2,102,983.979	994,570.874	12+50.00	24.64'	L
121	2,103,003.979	994,570.762	12+50.00	44.64'	L
122	2,103,005.904	994,780.560	14+60.00	45.16'	L
123	2,102,985.905	994,780.759	14+60.00	25.16'	L
124	2,103,012.235	994,380.919	10+60.00	53.80'	L
125	2,102,984.237	994,380.967	10+60.00	25.80'	L
126	2,102,985.979	994,570.863	12+50.00	26.64'	L
127	2,103,008.979	994,570.735	12+50.00	49.64'	L
128	2,103,011.088	994,800.510	14+80.00	50.14'	L
129	2,102,986.088	994,800.758	14+80.00	25.14'	L
151	2,102,958.267	994,282.003	9+60.99	0.00'	
152	2,102,958.507	994,421.011	11+00.00	0.00'	
153	2,102,960.209	994,726.346	14+05.34	0.00'	
155	2,102,951.328	994,282.011	9+60.99	6.94'	R
169	2,102,961.047	994,810.906	14+89.90	0.00'	L
177	2,102,958.790	994,781.027	14+60.00	1.96'	R



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

129.32'
129.32' (COMP)
(129.32')

N

GRAPHIC SCALE FEET
0 30
SCALE: 1"=30'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/ 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994340.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON 11-13-2024.

STATE OF ILLINOIS)
)SS
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, ENGINEERING RESOURCE ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001186, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 46 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WARRENVILLE, ILLINOIS THIS 3rd DAY OF OCTOBER, 2025 A.D.

TIMOTHY B. MARTINEK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003782
LICENSE EXPIRATION DATE: NOVEMBER 30, 2026

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ASPH	ASPHALT
LSP	LANDSCAPE PERIMETER
MB	MAILBOX
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT OF TANGENCY

IDOT USE ONLY

REVISION DATE: 02/28/2025 REVISION MADE BY: SDS
REVISION DATE: 03/13/2025 REVISION MADE BY: SDS
REVISION DATE: 03/26/2025 REVISION MADE BY: SDS

ENGINEERING RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
WARRENVILLE, IL 60555
630.393.3060 info@erconsultants.com

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST SOLON ROAD

LIMITS: AT NIPPERSINK CREEK — COUNTY: MCHENRY
SECTION: 19-00510-00-BR — JOB NO.: R-55-001-97
STA. 9+61.00 TO STA. 14+89.90
SCALE: 1" = 30' — SHEET 3 OF 6 SHEETS

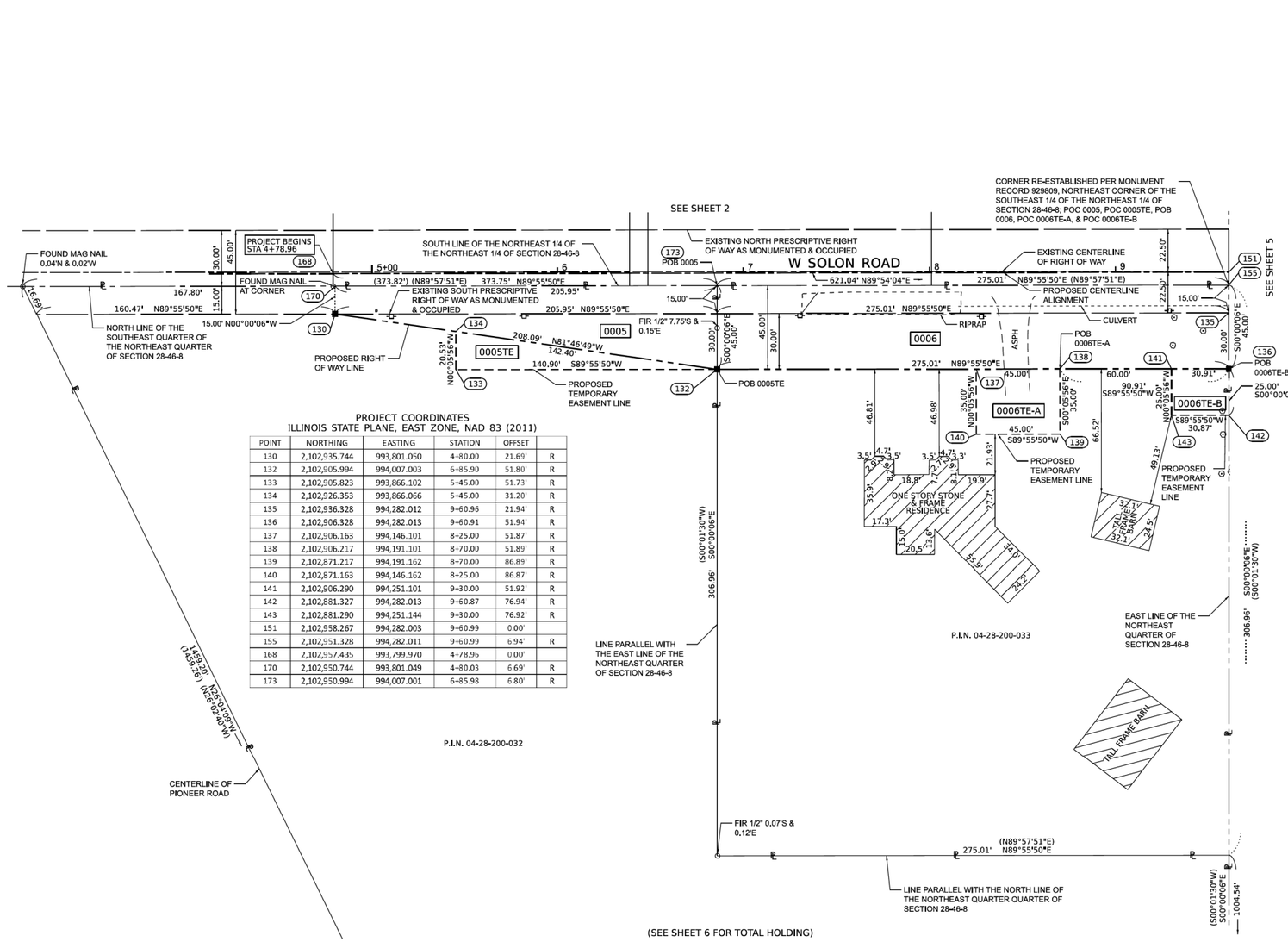
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: POH-3 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02101_Roadway\03_Sheet\12_Plat of Highways & ROW\W23301-shi-POH.dgn

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS WEST SOLON RD OVER NB NIPPERSINK CREEK			
		DRAWN -	REVISED -					
	PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET 3 OF 6 SHEETS	STA.	TO STA.
	PLOT DATE = 2/20/2026	DATE -	REVISED -					

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	47
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

PART OF THE NORTHEAST QUARTER OF SECTION 28, TWP. 46 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
130	2,102,935.744	993,801.050	4+80.00	21.69'	R
132	2,102,905.994	994,007.003	6+85.90	51.80'	R
133	2,102,905.823	993,866.102	5+45.00	51.73'	R
134	2,102,926.353	993,866.066	5+45.00	31.20'	R
135	2,102,936.328	994,282.012	9+60.96	21.94'	R
136	2,102,906.328	994,282.013	9+60.91	51.94'	R
137	2,102,906.163	994,146.101	8+25.00	51.87'	R
138	2,102,906.217	994,191.101	8+70.00	51.89'	R
139	2,102,871.217	994,191.162	8+70.00	86.89'	R
140	2,102,871.163	994,146.162	8+25.00	86.87'	R
141	2,102,906.290	994,251.101	9+30.00	51.92'	R
142	2,102,881.327	994,282.013	9+60.87	76.94'	R
143	2,102,881.290	994,251.144	9+30.00	76.92'	R
151	2,102,958.267	994,282.003	9+60.99	0.00'	
155	2,102,951.328	994,282.011	9+60.99	6.94'	R
168	2,102,957.435	993,799.970	4+78.96	0.00'	
170	2,102,950.744	993,801.049	4+80.03	6.69'	R
173	2,102,950.994	994,007.001	6+85.98	6.80'	R

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING PRESCRIPTIVE R.O.W. ACRES	REMAINDER AREA ACRES	TEMPORARY EASEMENT AREA			PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	EASEMENT PURPOSE	
0005	7.942	0.142	0.071	7.800				04-28-200-032
0005TE					0.033		GRADING ACCESS	
0006	1.938	0.284	0.095	1.654				04-28-200-033
0006TE-A					0.036		DRIVEWAY RECONSTRUCTION	
0006TE-B					0.018		GRADING ACCESS	

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 30
SCALE: 1"=30'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/ 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
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2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON 11-13-2024.

STATE OF ILLINOIS)
)SS
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, ENGINEERING RESOURCE ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001186, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 46 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WARRENVILLE, ILLINOIS THIS 3rd DAY OF OCTOBER, 2025 A.D.

TIMOTHY B. MARTINEK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003782
LICENSE EXPIRATION DATE: NOVEMBER 30, 2026

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ASPH ASPHALT
FIR FOUND IRON ROD
LSP LANDSCAPE PERIMETER
MB MAILBOX
POB POINT OF BEGINNING
POC POINT OF COMMENCEMENT
POT POINT OF TANGENCY

IDOT USE ONLY

REVISION DATE: 02/28/2025 REVISION MADE BY: SDS
REVISION DATE: 03/13/2025 REVISION MADE BY: SDS
REVISION DATE: 03/26/2025 REVISION MADE BY: SDS

ENGINEERING RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
WARRENVILLE, IL 60555
630.393.3060 Info@eraconsultants.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST SOLON ROAD

LIMITS: AT NIPPERSINK CREEK — COUNTY: MCHENRY
SECTION: 19-00510-00-BR — JOB NO.: R-55-001-97
STA. 4+78.96 TO STA. 9+61.00
SCALE: 1" = 30' — SHEET 4 OF 6 SHEETS

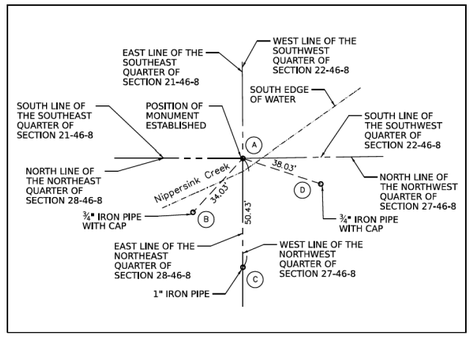
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: POH4 [Sheet]
FILE NAME: I:\McHenryCounty\W22301.00 West Solon Phase II\CADD\CADD ORD 23-02101_Roadway\03_Sheet\12_Plat of Highways & ROW\W22301-sht-POH.dgn

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS WEST SOLON RD OVER NB NIPPERSINK CREEK
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -		SCALE: N.T.S. SHEET 4 OF 6 SHEETS STA. TO STA.
	PLOT DATE = 2/20/2026	DATE -	REVISED -		

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	48
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		

PART OF THE NORTHWEST QUARTER OF SECTION 27, TWP. 46 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.

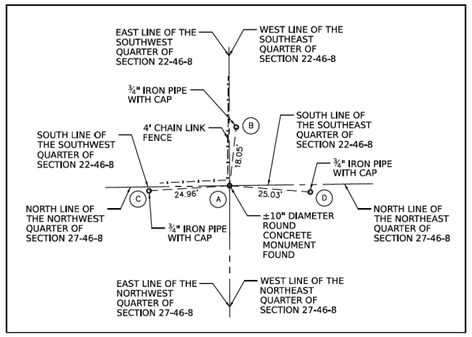


(NOT TO SCALE)

"M–1" MONUMENT RECORD

NORTHWEST CORNER OF SECTION 27-46-8
N:2104263.347 E:994281.970
RECORDED FEBRUARY 20, 2025
AS DOCUMENT 2025R0004231

POINT	NORTHING	EASTING
A	2,104,263.347	994,281.970
B	2,104,238.372	994,258.861
C	2,104,212.922	994,281.972
D	2,104,251.530	994,318.119



(NOT TO SCALE)

"M–2" MONUMENT RECORD

NORTH QUARTER CORNER OF SECTION 27-46-8
N:2104300.653 E:996902.764
RECORDED FEBRUARY 20, 2025
AS DOCUMENT 2025R0004232

POINT	NORTHING	EASTING
A	2,104,300.653	996,902.764
B	2,104,318.590	996,904.801
C	2,104,299.085	996,877.851
D	2,104,298.683	996,927.713

LEGEND

SECTION CORNER (9 10 16 15) — QUARTER SECTION CORNER (16 15)

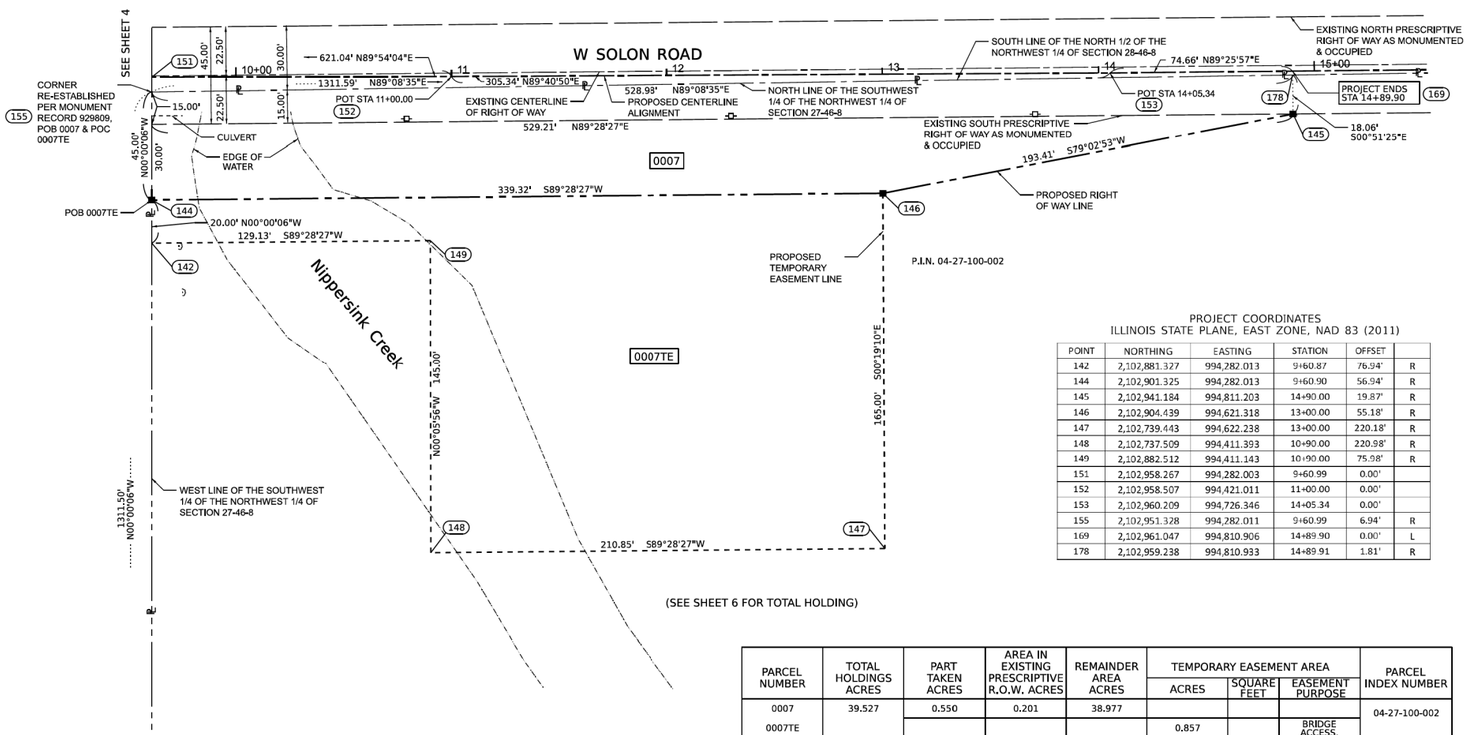
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET, 0, 30
SCALE: 1"=30'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/ 8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SEE SHEET 3



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET	
142	2,102,881.327	994,282.013	9+60.87	76.94'	R
144	2,102,901.325	994,282.013	9+60.90	56.94'	R
145	2,102,941.184	994,811.203	14+90.00	19.87'	R
146	2,102,904.439	994,621.318	13+00.00	55.18'	R
147	2,102,739.443	994,622.238	13+00.00	220.18'	R
148	2,102,737.509	994,411.393	10+90.00	220.98'	R
149	2,102,882.512	994,411.143	10+90.00	75.98'	R
151	2,102,958.267	994,282.003	9+60.99	0.00'	
152	2,102,958.507	994,421.011	11+00.00	0.00'	
153	2,102,960.209	994,726.346	14+05.34	0.00'	
155	2,102,951.328	994,282.011	9+60.99	6.94'	R
169	2,102,961.047	994,810.906	14+89.90	0.00'	L
178	2,102,959.238	994,810.933	14+89.91	1.81'	R

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING PRESCRIPTIVE R.O.W. ACRES	REMAINDER AREA ACRES	TEMPORARY EASEMENT AREA			PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	EASEMENT PURPOSE	
0007	39.527	0.550	0.201	38.977				04-27-100-002
0007TE					0.857		BRIDGE ACCESS, WETLAND & NATIVE HABITAT CREATION, & GRADING	

REVISION DATE: 02/28/2025 REVISION MADE BY: SDS
REVISION DATE: 03/26/2025 REVISION MADE BY: SDS

ASPH	ASPHALT
LSP	LANDSCAPE PERIMETER
MB	MAILBOX
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT OF TANGENCY

IDOT USE ONLY

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND", TO OBTAIN GROUND DISTANCES, DIVDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994340.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON 11-13-2024.

STATE OF ILLINOIS)
)SS
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, ENGINEERING RESOURCE ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001186, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 46 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WARRENVILLE, ILLINOIS THIS 3rd DAY OF OCTOBER, 2025 A.D.

TIMOTHY B. MARTINEK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003782
LICENSE EXPIRATION DATE: NOVEMBER 30, 2026

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ENGINEERING RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
WARRENVILLE, IL 60555
630.393.3060 info@eraconsultants.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST SOLON ROAD

LIMITS: AT NIPPERSINK CREEK — COUNTY: MCHENRY
SECTION: 19-00510-00-BR — JOB NO.: R-55-001-97
STA. 9+61.00 TO STA. 14+89.90
SCALE: 1" = 30' — SHEET 5 OF 6 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: POH-5 [Sheet]
FILE NAME: H:\McHenry\County\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02101_Roadway\03_Sheet\12_Plat of Highways & ROW\W23301-sht-POH.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

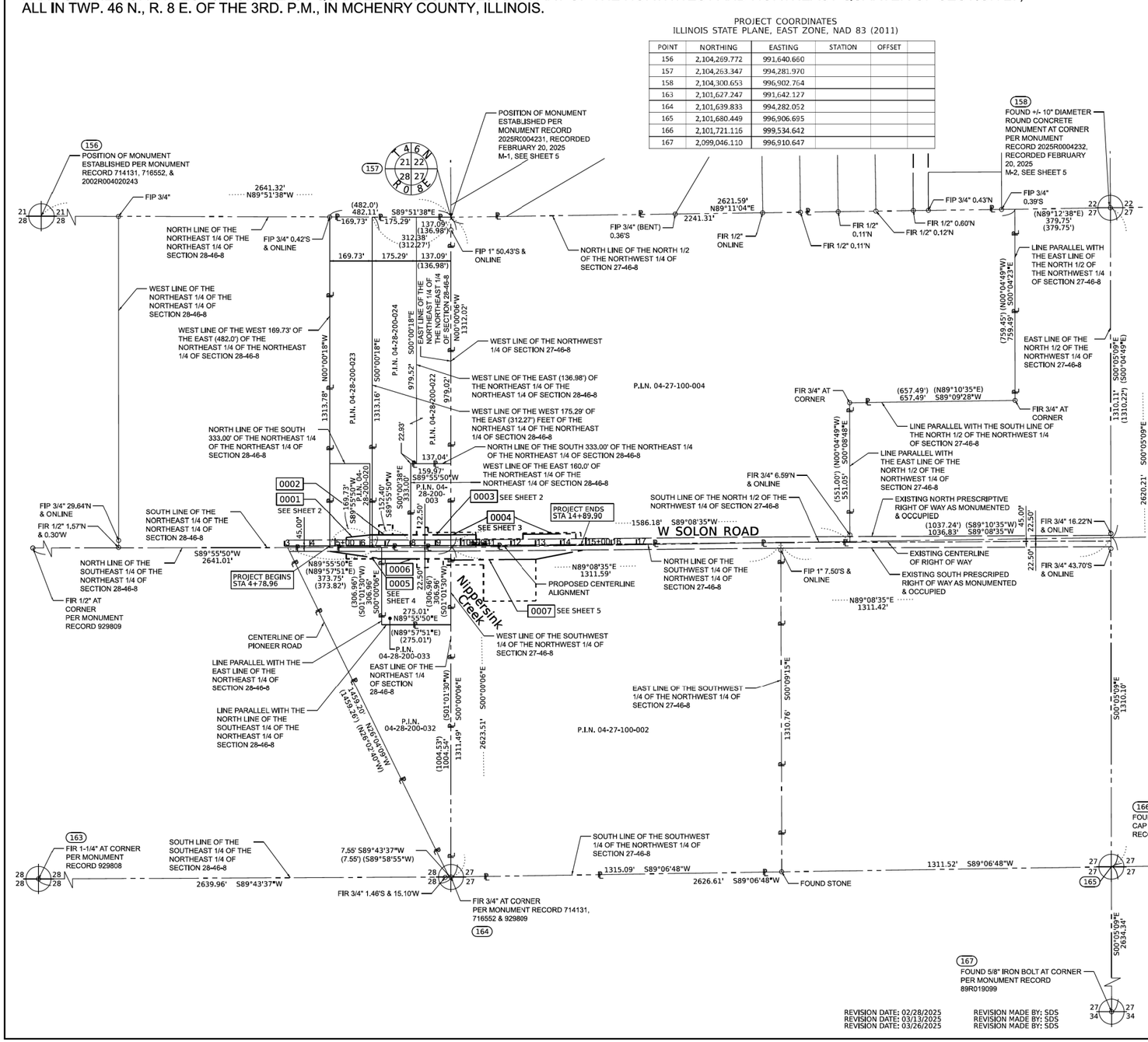
PLAT OF HIGHWAYS
WEST SOLON RD OVER NB NIPPERSINK CREEK
SCALE: N.T.S. — SHEET 5 OF 6 SHEETS — STA. — TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	49
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

PART OF THE NORTHWEST & NORTHEAST QUARTER OF SECTION 28 AND PART OF THE NORTHWEST AND NORTHEAST QUARTER OF SECTION 27, ALL IN TWP. 46 N., R. 8 E. OF THE 3RD. P.M., IN MCHENRY COUNTY, ILLINOIS.

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET
156	2,104,269.772	991,640.660		
157	2,104,263.347	994,281.970		
158	2,104,300.653	996,902.764		
163	2,101,627.247	991,642.127		
164	2,101,639.833	994,282.052		
165	2,101,680.449	996,906.695		
166	2,101,721.116	999,534.642		
167	2,099,046.110	996,910.647		



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 200
SCALE: 1"=200'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/ 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
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2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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5. FIELD SURVEY COMPLETED ON 11-13-2024.

STATE OF ILLINOIS)
)SS
COUNTY OF DUPAGE)

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DATED AT WARRENVILLE, ILLINOIS THIS 3rd DAY OF OCTOBER, 2025 A.D.

TIMOTHY B. MARTINEK
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ENGINEERING RESOURCE ASSOCIATES
35701 WEST AVENUE, SUITE 150
WARRENVILLE, IL 60555
630.393.3060 Info@erasconsultants.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST SOLON ROAD

LIMITS: AT NIPPERSINK CREEK — COUNTY: MCHENRY
SECTION: 19-00510-00-BR — JOB NO.: R-55-001-97
STA. 4+78.96 TO STA. 14+89.90
SCALE: 1" = 200' — SHEET 6 OF 6 SHEETS

FIP FOUND IRON PIPE
FIR FOUND IRON ROD

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 02/28/2025 REVISION MADE BY: SDS
REVISION DATE: 03/13/2025 REVISION MADE BY: SDS
REVISION DATE: 03/26/2025 REVISION MADE BY: SDS

MODEL: POH-6 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\12_Plat of Highways & ROW\W23301-sht-POH.dgn

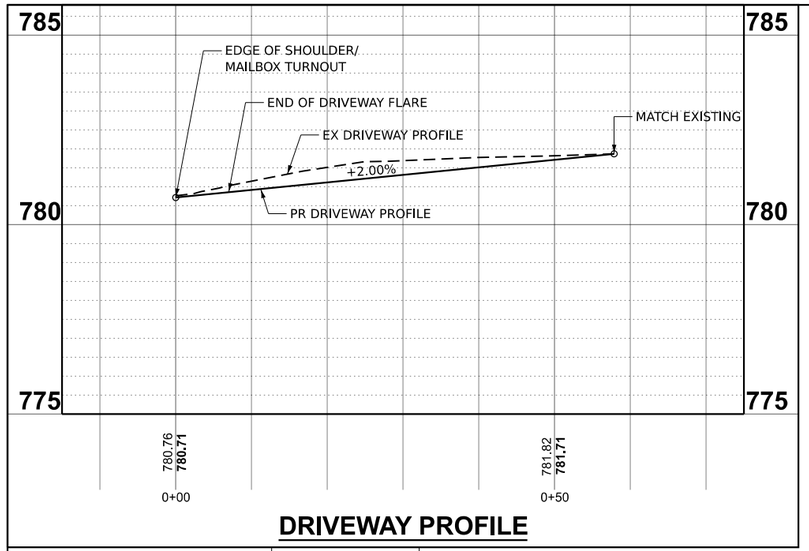
ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

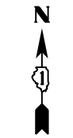
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
WEST SOLON RD OVER NB NIPPERSINK CREEK
SCALE: N.T.S. | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	50
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



DRIVEWAY PROFILE



LEGEND

HMA DRIVEWAY PAVEMENT, 3"
AGGREGATE BASE COURSE, TYPE B, 6"

MODEL: Untitled [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201 Roadway\03 Sheet\13 Intersection Details\W22140-sht-driveway Details.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAIL STA. 7+02.50
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	51
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

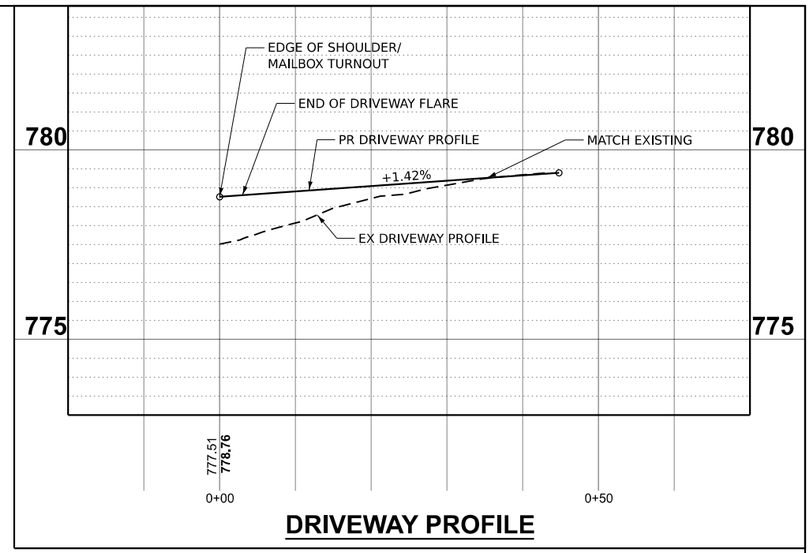
N

0 5 10
SCALE IN FEET

℄ RES DRIVEWAY W SOLON RD STA. 8+46.24

LEGEND

HMA DRIVEWAY PAVEMENT, 3"
AGGREGATE BASE COURSE, TYPE B, 6"



DRIVEWAY PROFILE

TEMP EASE

STA. 8+40.35
OFF. 66.28' LT.
ELEV. 779.40'

POT STA 0+43.27

STA. 8+52.25
OFF. 66.25' LT.
ELEV. 779.39

TEMP EASE

LIMITS OF CONSTRUCTION, TYP.

STA. 8+40.29
OFF. 46.12' LT.
ELEV. 779.21'

STA. 8+52.32
OFF. 45.62' LT.
ELEV. 779.03'

PR ROW

PR ROW

PROPOSED CULVERT
(SEE DRAINAGE PLANS)

℄ SWALE

℄ SWALE

STA. 8+40.24
OFF. 25.96' LT.
ELEV. 778.90'

STA. 8+52.31
OFF. 26.02' LT.
ELEV. 778.70'

EDGE OF SHOULDER/MAILBOX TURNOUT

HMA SHOULDERS, 2"
AGGREGATE BASE COURSE, 6½"
(TYPICAL, BEHIND FRONT FACE SPBGR)

EX ROW

POT STA 0+00.00

℄ DRIVEWAY

EX ROW

STA. 8+33.65
OFF. 19.39' LT.

STA. 8+37.27
OFF. 23.00' LT.
ELEV. 778.91'

STA. 8+55.32
OFF. 23.00' LT.
ELEV. 778.61'

STA. 8+73.83
OFF. 23.00' LT.

STA. 9+13.41
OFF. 20.00' LT.

STA. 9+37.31
OFF. 20.00' LT.

EDGE OF SHOULDER

TRAFFIC BARRIER TERMINAL, TY 1 (SPL), FLARED

TRAFFIC BARRIER TERMINAL, TY 6

STA. 8+73.83
OFF. 19.00' LT.

STA. 8+13.32
OFF. 16.00' LT.

EDGE OF PAVEMENT

HMA SHOULDERS, 8½"
AGG SUBGRADE IMPR, 12"

WEST SOLON RD

8

9

℄ W SOLON RD

MODEL: Untitled-1 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\13_Intersection Details\W22140-sht-drivewayDetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAIL STA. 8+46.24
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	52
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

8

℄ W SOLON RD

9

WEST SOLON RD

HMA SHOULDERS, 8½"
AGG SUBGRADE IMPR, 12"

POT STA 0+00.00

0+00

HMA SHOULDERS, 8½"
AGG SUBGRADE IMPR, 12"

EDGE OF PAVEMENT

R 8.50'

SRG (SEE NOTE #1)
12.50'

SPBGR, TY A, 9' POSTS, 25.00'

TRAFFIC BARRIER TERMINAL, TY 6

STA. 8+51.52
OFF. 16.00' RT.
ELEV. 778.95'

+67.33
16.00' RT.

EDGE OF SHOULDER

STA. 8+29.00
OFF. 16.00' RT.
ELEV. 779.31'

℄ DRIVEWAY

+58.87
23.65' RT.

SRG
SEE NOTE # 1
12.50'

EX ROW

STA. 8+38.73
OFF. 25.26' RT.
ELEV. 778.98'

+51.92
24.00' RT.
ELEV. 778.79'

STA. 8+67.33
OFF. 20.00' RT.
ELEV. 778.52'

STA. 9+29.72
OFF. 20.00' RT.

EX ROW

PROPOSED CATCH BASIN
(SEE DRAINAGE PLANS)

STA. 8+62.85
OFF. 24.05' RT.
ELEV. 778.41'

+52.35
32.69' RT.
ELEV. 779.01'

SRG (SEE NOTE #1)
12.50'

HMA SHOULDERS, 2"
AGGREGATE BASE COURSE, 6½"
(TYPICAL, BEHIND FRONT FACE SPBGR)

HMA SHOULDERS, 2"
AGGREAGTE BASE COURSE, 6½"
(TYPICAL, BEHIND FRONT FACE SPBGR)

STA. 8+39.07
OFF. 32.19' RT.
ELEV. 779.13'

+57.62
36.09' RT.

HMA SHOULDERS, 8½"
AGG SUBGRADE IMPR, 12"

TRAF BAR TERM, TY 2
12.50'

LIMITS OF CONSTRUCTION, TYP.

EDGE OF SHOULDER

STA. 8+39.78
OFF. 46.55' RT.
ELEV. 780.05'

+53.04
46.60' RT.
ELEV. 779.89'

STA. 8+60.34
OFF. 49.02' RT.
ELEV. 779.82'

PR ROW

STA. 8+53.18
OFF. 49.38' RT.
ELEV. 780.11'

PR ROW

STA. 8+41.05
OFF. 71.97' RT.
ELEV. 781.98'

STA. 8+54.22
OFF. 70.42' RT.
ELEV. 781.65'

POT STA 0+70.01

STA. 8+41.51
OFF. 81.25' RT.
ELEV. 782.56'

STA. 8+54.73
OFF. 80.59' RT.
ELEV. 782.17'

TEMP EASE

℄ RES DRIVEWAY W SOLON RD STA. 8+44.64

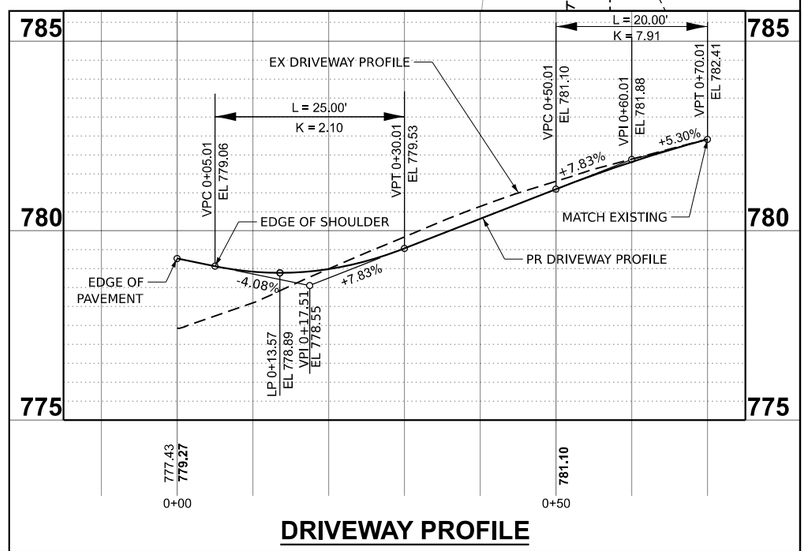
N

0 5 10
SCALE IN FEET

LEGEND

HMA DRIVEWAY PAVEMENT, 3"
AGGREGATE BASE COURSE, TYPE B, 6"

NOTE:
1. SEE SHORT-RADIUS GUARDRAIL DETAIL SHEET.



DRIVEWAY PROFILE

MODEL: Untitled-2 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\13_Intersection Details\W22140-sht-drivewayDetails.dgn

ENGINEERING RESOURCE ASSOCIATES

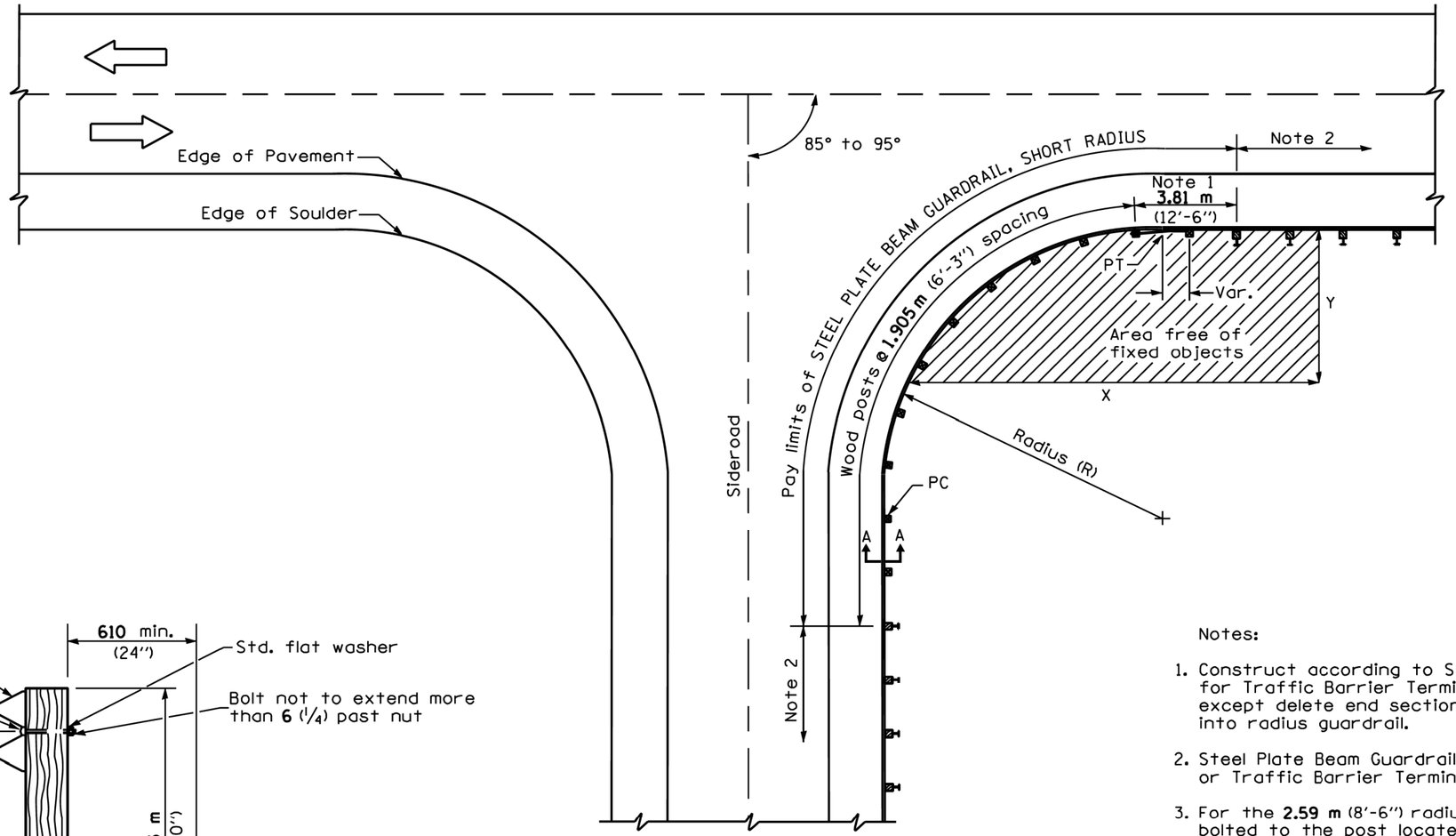
USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

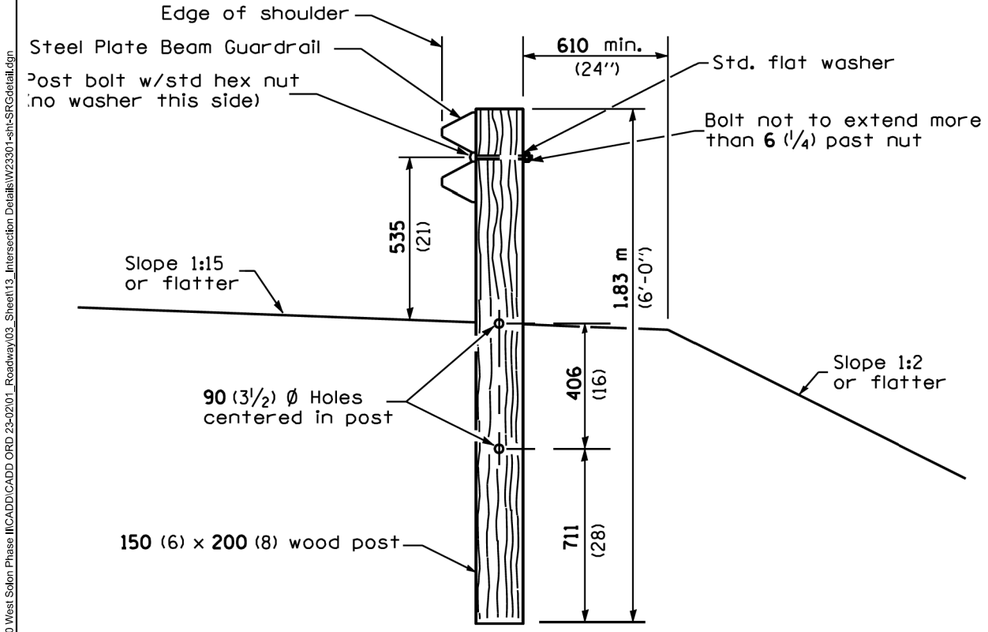
DRIVEWAY DETAIL STA. 8+44.64
WEST SOLON RD OVER NB NIPPERSINK CREEK

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	53
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



PLAN



SECTION A-A

INSTALLATION CHARACTERISTICS PER DESIGN RADIUS (R)			
R	NO. OF WOOD POSTS	X	Y
2.59 (8'-6")	5 (Note 3)	**7.6 m** (25')	**4.6** (15')
5.18 (17'-0")	6	**9.1 m** (30')	**4.6** (15')
7.77 (25'-6")	8	**12.2 m** (40')	**6.1** (20')
10.67 (35'-0")	11	**15.2 m** (50')	**6.1** (20')

Notes:

1. Construct according to Standard 631011 for Traffic Barrier Terminal Type 2, except delete end section and splice into radius guardrail.
2. Steel Plate Beam Guardrail Type A, Type B, or Traffic Barrier Terminal as specified.
3. For the **2.59 m** (8'-6") radius, the rail is not bolted to the post located at the midpoint of the curve.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

MODEL: SRGdetail [Sheet]
FILE NAME: I:\McHenryCounty\W233011.00 West Solon Phase II\CADD\CADD ORD 23-02101_Roadway\03_Sheet\13_Intersection Details\W233011-sht-SRGdetail.dgn

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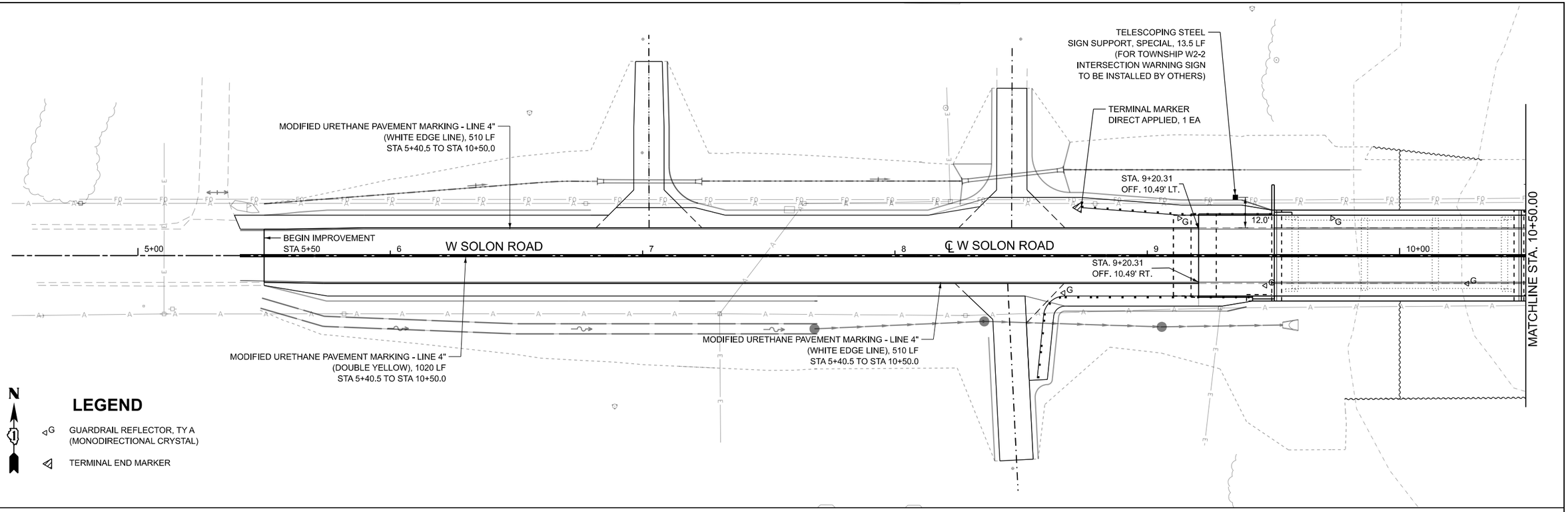
	DRAWN - IDOT BLRS MANUAL	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - TS	REVISED -	
PLOT DATE = 2/20/2026	DATE - 02/27/2025	REVISED -	

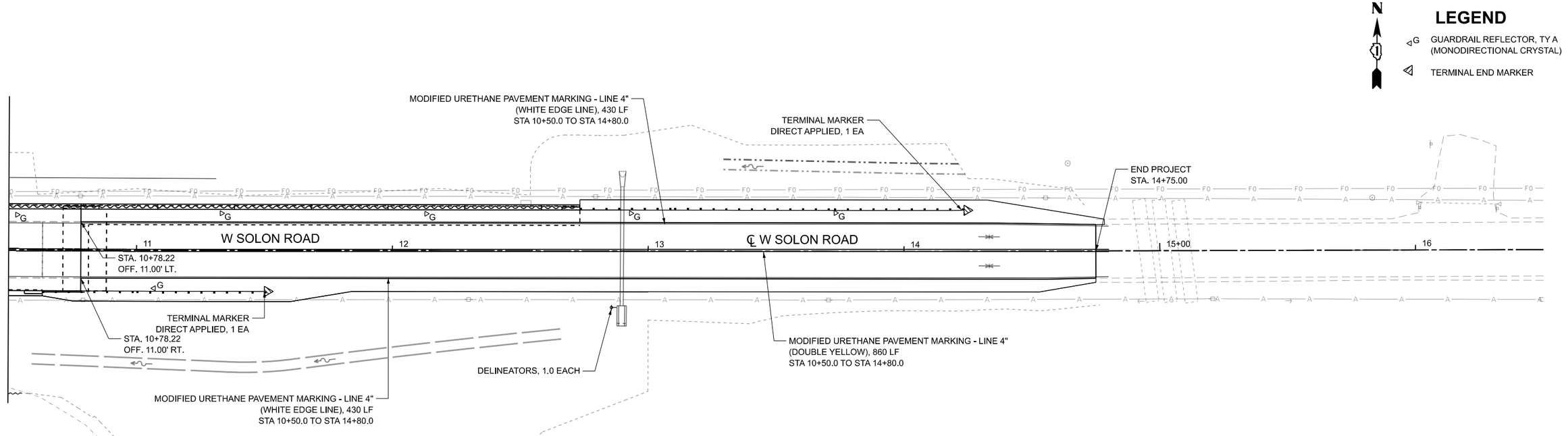
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT -RADIUS GURADRAIL DETAIL
WEST SOLON RD OVER NB NIPPERSINK CREEK

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	54
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			





MODEL: PrCL_WSOLONRD - Pmk [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\14_Pavement Marking & Signage\W23301-sht-pmk.dgn

ENGINEERING RESOURCE ASSOCIATES

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	DRAWN - KC	REVISED -	
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PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 4+50.00 | TO STA. 16+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	55
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		

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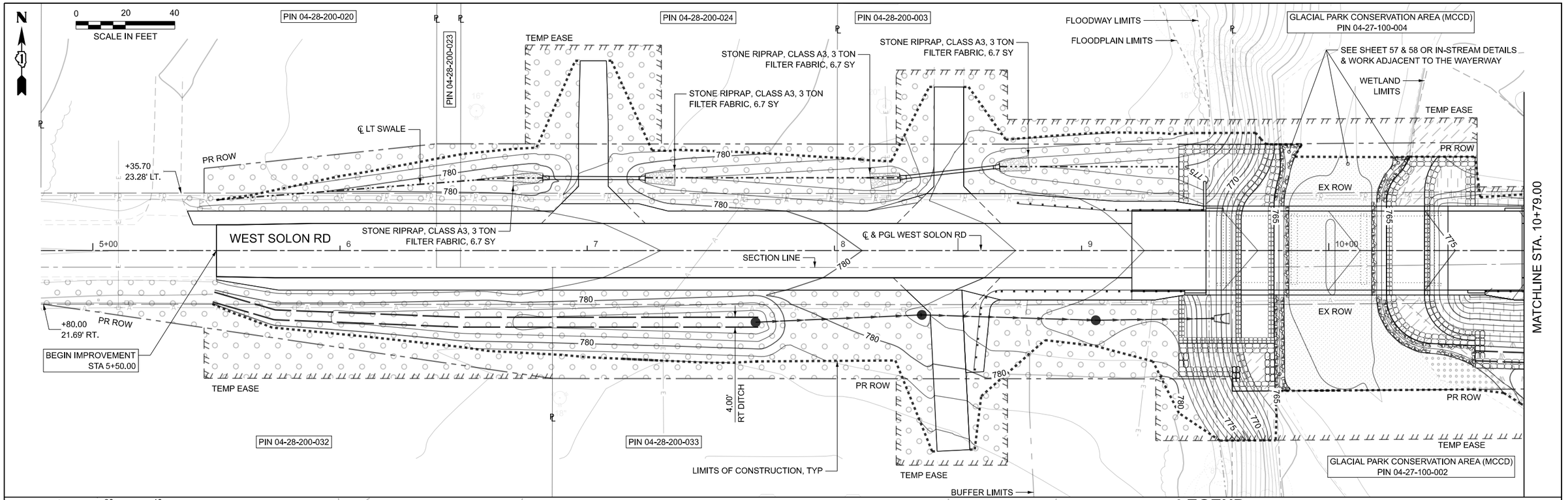

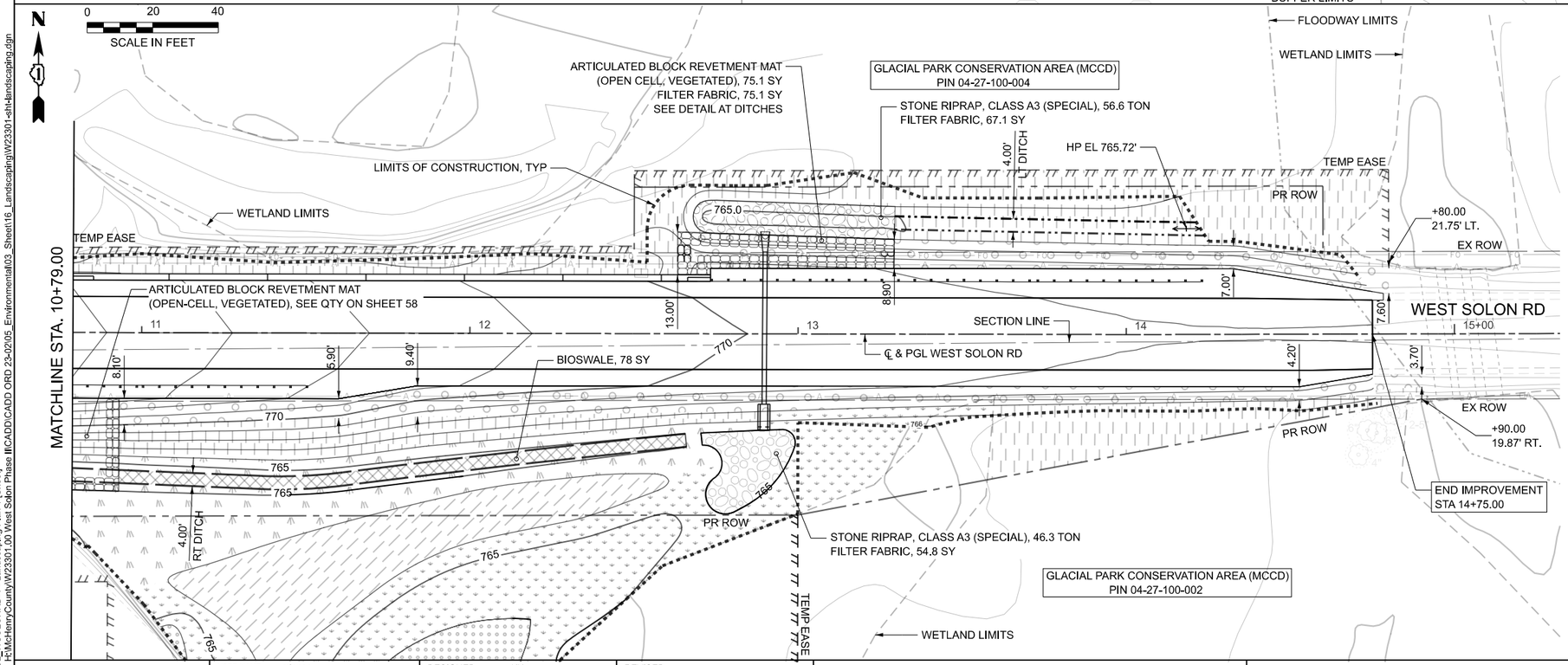

LEGEND

- SEEDING, CLASS 2A
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  NITROGEN & POTASSIUM FERTILIZER NUTRIENT
- PRAIRIE SEEDING (SPECIAL)
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING (SPECIAL), LOW-PROFILE SWALE
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING, MESIC TO WET NATIVE GRASSES
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING, SEDGE MEADOW MIX
  WETLAND PLANTS & SUPPLEMENTAL WATERING
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- EMERGENT/SHORELINE SEED MIX
  WETLAND PLANTS & SUPPLEMENTAL WATERING
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- TREES (SPECIAL)
- STONE RIPRAP, CLASS A3 (SPECIAL)
- RIVER ROCK
  WETLAND PLANTS
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- ARTICULATED BLOCK REVETMENT MAT (CLOSED CELL)
  NO MATERIAL SUBSTITUTIONS
- ARTICULATED BLOCK REVETMENT MAT (OPEN CELL, VEGETATED)
  NO MATERIAL SUBSTITUTIONS
- BIOSWALE
  SEEDING (SPECIAL), LOW PROFILE PRAIRIE
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- STONE RIPRAP, CLASS A3
  FILTER FABRIC

MODEL: PrCL_WSOLONRD-1 - Landscaping Plan 1 [Sheet]
FILE NAME: I:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\16_Landscaping\W23301-sht-landscaping.dgn

ENGINEERING RESOURCE ASSOCIATES

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PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING & GRADING PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=20' | SHEET 1 OF 7 SHEETS | STA. 4+79.00 | TO STA. 14+90.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	56
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

####

0 15 30
SCALE IN FEET

MATCHLINE STA. 10+79.00

STONE RIPRAP, CLASS A3 (SPECIAL)
FILTER FABRIC
SEE QTY ON SHEET 56

4.00'
LT DITCH

WETLAND LIMITS

TEMP EASE

PR ROW

765.0

HP EL 765.72'

+80.00
21.75' LT.

EX ROW

13.00'

7.00'

8.90'

7.60'

ARTICULATED BLOCK REVETMENT MAT
(OPEN CELL, VEGETATED), SEE QTY ON SHEET 56

SECTION LINE

℄ & PGL WEST SOLON RD

11 12 13 14 15+00

WEST SOLON RD

ARTICULATED BLOCK REVETMENT MAT
(OPEN CELL, VEGETATED), SEE QTY ON SHEET 58

BIOSWALE
SEE QTY ON SHEET 56

770

STONE RIPRAP, CLASS A3 (SPECIAL)
FILTER FABRIC
SEE QTY ON SHEET 56

8.10'

5.90'

9.40'

4.20'

3.70'

770

765

765

766

PR ROW

+90.00
19.87' RT.

FLOODWAY LIMITS

END IMPROVEMENT
STA. 14+75.00

4.00'
RT DITCH

765

WETLAND
LIMITS

WETLAND LIMITS

765

764.0

LIMITS OF
CONSTRUCTION, TYP

WATERWAY OF THE
U.S. (WOTUS) / INAI LIMITS

WETLAND LIMITS

TREES (SPECIAL), 1 EA
+65.00, 159.00' RT

NB NIPPERSINK
CREEK

TREES (SPECIAL), 1 EA
+75.00, 205.00' RT

GLACIAL PARK CONSERVATION AREA (MCCD)
PIN 04-27-100-002

TEMP EASE

BUFFER LIMITS

LEGEND

- SEEDING, CLASS 2A
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  NITROGEN & POTASSIUM FERTILIZER NUTRIENT
- PRAIRIE SEEDING (SPECIAL)
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING (SPECIAL), LOW-PROFILE SWALE
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING, MESIC TO WET NATIVE GRASSES
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  NITROGEN & POTASSIUM FERTILIZER NUTRIENT
- SEEDING, SEDGE MEADOW MIX
  WETLAND PLANTS & SUPPLEMENTAL WATERING
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- EMERGENT/SHORELINE SEED MIX
  WETLAND PLANTS & SUPPLEMENTAL WATERING
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- TREES (SPECIAL)
- STONE RIPRAP, CLASS A3 (SPECIAL)
- RIVER ROCK
  WETLAND PLANTS
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- ARTICULATED BLOCK REVETMENT MAT (CLOSED CELL)
  NO MATERIAL SUBSTITUTIONS
- ARTICULATED BLOCK REVETMENT MAT (OPEN CELL, VEGETATED)
  NO MATERIAL SUBSTITUTIONS
- BIOSWALE
  SEEDING (SPECIAL), LOW-PROFILE SWALE
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- STONE RIPRAP, CLASS A3
  FILTER FABRIC

MODEL: Landscaping Plan2 [Sheet]
FILE NAME: H:\McHenry\County\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\05_Environmental\03_Sheet\16_Landscaping\W23301-sht-landscaping.dgn

ENGINEERING RESOURCE ASSOCIATES

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PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING & GRADING PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"= 15' | SHEET 2 OF 7 SHEETS | STA. 10+79.00 | TO STA. 14+90.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	57
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

####

0 10 20
SCALE IN FEET

FLOODWAY LIMITS
FLOODPLAIN LIMITS

ARTICULATED BLOCK REVETMENT MAT
(OPEN CELL, VEGETATED), 72.0 SY
FILTER FABRIC, 72.0 SY
SEE DETAIL AT CREEK
RIVER ROCK, 42.7 TON

WETLAND LIMITS

MATERIAL FOR STREAMBED ESTABHLISHMENT 24", 431 SY

ARTICULATED BLOCK REVETMENT MAT
(OPEN CELL, VEGETATED), 109.6 SY
FILTER FARIC, 109.6 SY
SEE DETAIL AT CREEK

℄ LT SWALE

RIVER ROCK, 40.3 TON

TEMP EASE

PR ROW

TEMP EASE

EX ROW

℄ & PGL WEST SOLON RD

9

10+00

11

WEST SOLON RD

SECTION LINE

ARTICULATED BLOCK REVETMENT
MAT (CLOSED CELL), 184.5 SY
FILTER FABRIC, 98.4 SY
SEE DETAIL AT CREEK

ARTICULATED BLOCK REVETMENT
MAT (CLOSED CELL), 91.9 SY
FILTER FABRIC, 88.0 SY
SEE DETAIL AT CREEK

8.10'

SEE SHEET 2

EX ROW

ARTICULATED BLOCK REVETMENT
MAT (CLOSED CELL), 83.7 SY
FILTER FABRIC, 83.7 SY
SEE DETAIL AT CREEK

PR ROW

LIMITS OF CONSTRUCTION, TYP

4.00'
RT DITCH

PR ROW

ARTICULATED BLOCK REVETMENT MAT
(OPEN CELL, VEGETATED), 178.4 SY
FILTER FABRIC, 178.4 SY
SEE DETAIL AT CREEK

WATERWAY OF THE
U.S. (WOTUS) / INAI LIMITS

TEMP EASE

ARTICULATED BLOCK REVETMENT MAT
(OPEN CELL, VEGETATED), 69.4 SY
FILTER FABRIC, 69.4 SY
SEE DETAIL AT CREEK

NB NIPPERSINK CREEK

TEMP EASE

FLOODPLAIN LIMITS

BUFFER LIMITS

WETLAND LIMITS

LEGEND

- SEEDING, CLASS 2A
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  NITROGEN & POTASSIUM FERTILIZER NUTRIENT
- PRAIRIE SEEDING (SPECIAL)
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING (SPECIAL), LOW-PROFILE SWALE
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING, MESIC TO WET NATIVE GRASSES
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- SEEDING, SEDGE MEADOW MIX
  WETLAND PLANTS & SUPPLEMENTAL WATERING
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- EMERGENT/SHORELINE SEED MIX
  WETLAND PLANTS & SUPPLEMENTAL WATERING
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- ARTICULATED BLOCK REVETMENT MAT (CLOSED CELL)
  NO MATERIAL SUBSTITUTIONS
- ARTICULATED BLOCK REVETMENT
  MAT (OPEN CELL, VEGETATED)
  NO MATERIAL SUBSTITUTIONS
- STONE RIPRAP, CLASS A3 (SPECIAL)
- TREES (SPECIAL)
- RIVER ROCK
  WETLAND PLANTS
- BIOSWALE
  SEEDING (SPECIAL), LOW PROFILE PRAIRIE
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
- STONE RIPRAP, CLASS A3
  FILTER FABRIC

N

MODEL: Landscaping Plan 4 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\16_Landscaping\W23301-sht-landscaping.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - KK	REVISED -	
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PLOT SCALE = 0.16666633 ' / In.	CHECKED - EP	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING & GRADING PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1" = 10" | SHEET 3 OF 7 SHEETS | STA. 8+50.00 | TO STA. 11+65.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	58
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

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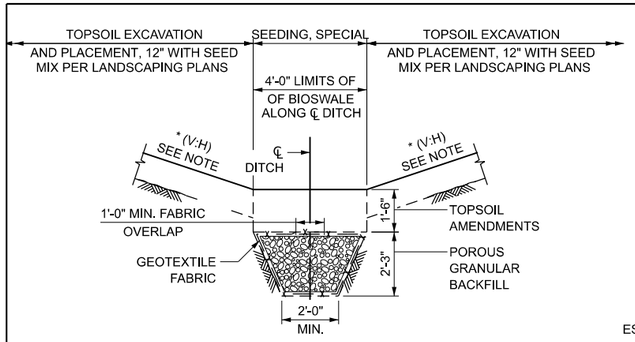
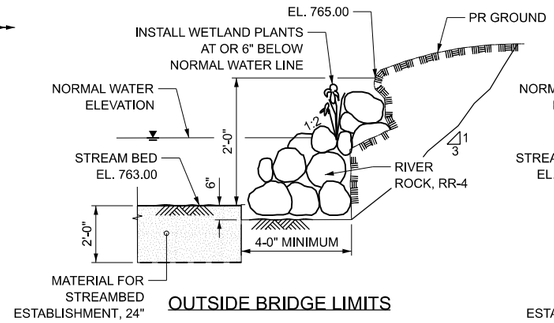
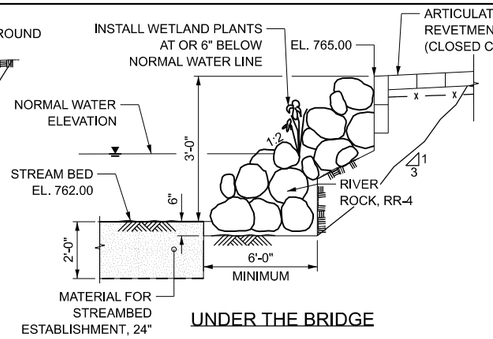


BIOSWALE DETAIL

N.T.S.
*FRONT SLOPE VARIES FROM 1:2.2 TO 1:3
**BACK SLOPE VARIES FROM 1:3 TO 1:10



OUTSIDE BRIDGE LIMITS



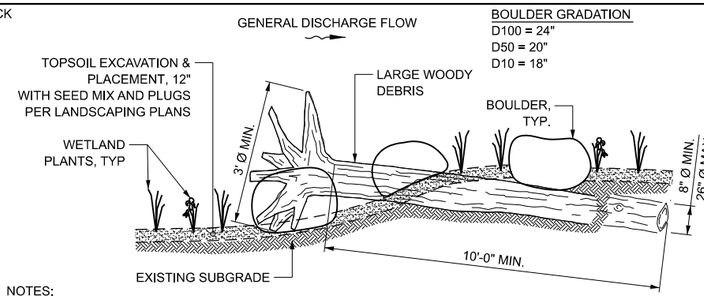
UNDER THE BRIDGE

NOTES:
1. ROCK SLOPE SHALL BE CONSTRUCTED ON STABLE BASE MATERIAL.
2. INSTALL ONE WETLAND PLANT PER LINEAR FOOT AT OR 6" BELOW THE NORMAL WATER LINE WITHIN LIMITS OF RIVER ROCK.
3. BUILD RIVER ROCK TOE ALONG EDGE OF CREEK AS SHOWN ON THE PLANS.
4. INSTALL S75BN ALONG DISTURBED AREAS BEYOND TOP OF BANK.

COBBLE GRADATION (RR4)
D100 = 14"
D50 = 9"
D10 = 5"

RIVER ROCK DETAIL

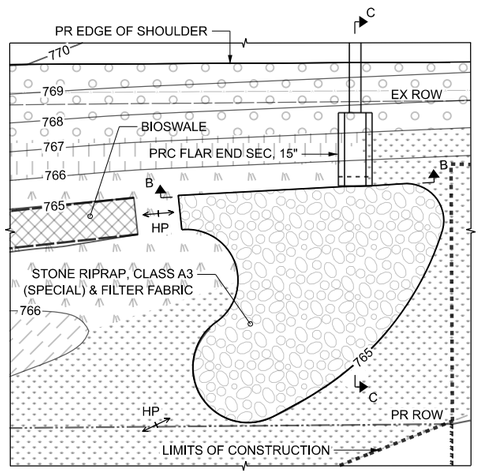
N.T.S.



NOTES:
1. LARGE WOODY DEBRIS WITH ROOT WAD IN TACT (QUANTITY = 2) WILL BE HARVESTED FROM SITE PER THE REMOVAL PLAN.
2. SUB GRADE SHALL BE EXCAVATED A MINIMUM OF 2'-0" TO RECEIVE THE TREE TRUNK.
3. FOR HORIZONTALLY PLACED WOODY DEBRIS, THE TRUNK SHALL BE ANCHORED WITH ONE BOULDER PLACED ON TOP OF THE BURIED END OF THE TRUNK, ONE BOULDER PLACED ON THE UPSTREAM EDGE THE ROOT WAD AND ONE BOULDER PLACED ON THE DOWNSTREAM EDGE OF THE ROOT WAD. OF TRUNK AND ONE BOULDER ON THE UPSTREAM AND DOWNSTREAM EDGE OF ROOT WAD.
4. TOPSOIL SHALL BE PLACED SURROUNDING WOODY DEBRIS TO ACHIEVE FINAL GRADE.
5. THE AREA SHALL THEN BE PLANTED WITH SPECIES PER THE LANDSCAPING PLAN.

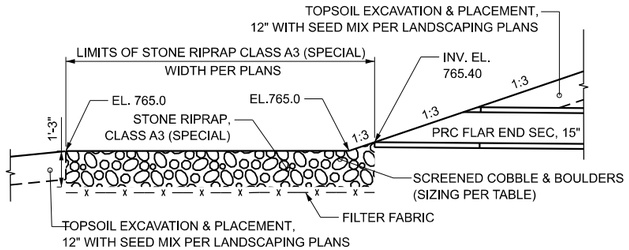
TREES (SPECIAL) DETAIL

N.T.S



PLAN

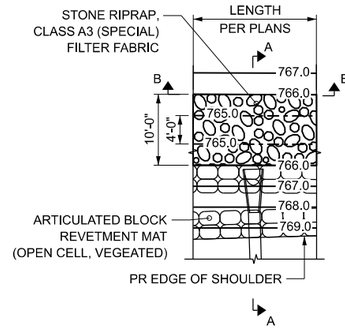
SECTION B-B
(ROCK OVERFLOW WEIR)



SECTION C-C

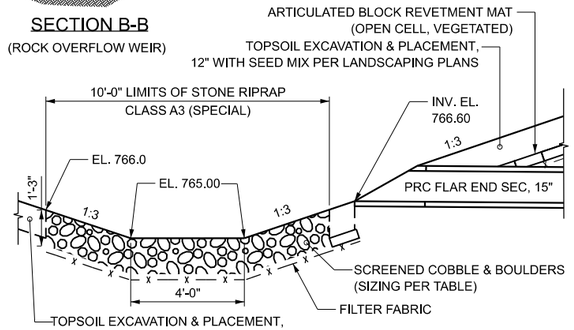
BOULDERS (RR5)	SCREENED COBBLE (RR3)
D100 = 18"	D100 = 9"
D50 = 15"	D50 = 5"
D10 = 12"	D10 = 3"

NOTES:
1. WHERE OUTLETS ARE TO BE LOCATED OR CUT BACK EXCAVATION WILL BE REQUIRED.
2. CONFIGURATION SHALL BE DETERMINED BY THE ENGINEER AND CONTRACTOR.



PLAN

SECTION B-B
(ROCK OVERFLOW WEIR)



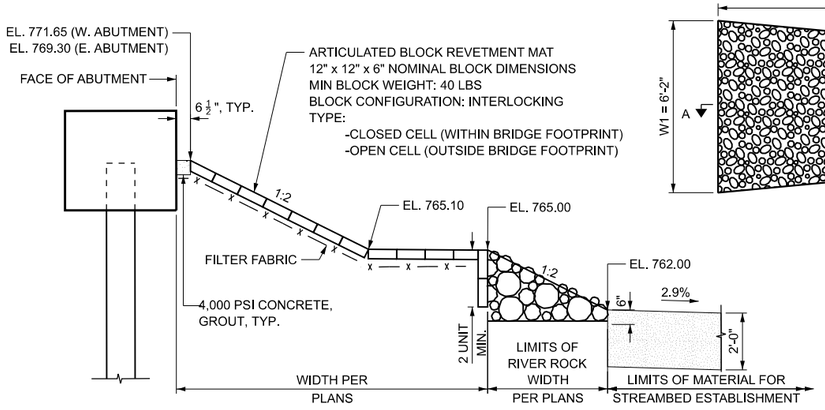
SECTION A-A

STA 12+70 TO STA 12+99 RT

STONE RIPRAP, CLASS A3 (SPECIAL) DETAIL

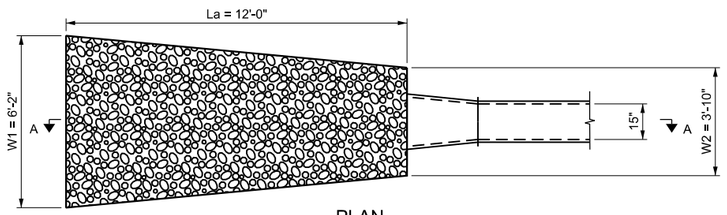
N.T.S.

STA 12+68 TO STA 13+29 LT



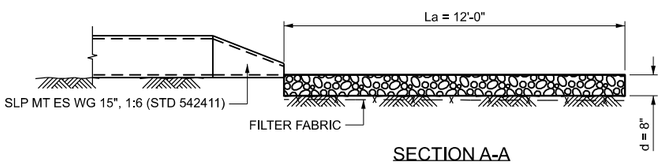
ARTICULATED BLOCK REVETMENT MAT DETAIL AT CREEK

N.T.S.



PLAN

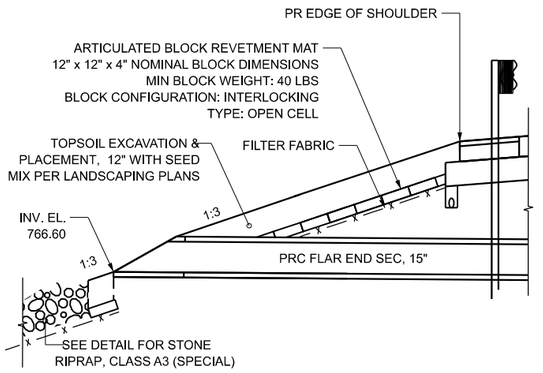
NOTES:
1. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS IN MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2 CLASS I, II, OR III.
2. THE ROCK RIPRAP SHALL MEET THE IDOT REQUIREMENTS FOR THE FOLLOWING GRADATION: RR = 3, QUALITY = B
3. THE RIPRAP SHALL BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 61 LOOSE ROCK RIPRAP. THE ROCK MAY BE EQUIPMENT PLACED.



SECTION A-A

STONE RIPRAP, CLASS A3 DETAIL

PIPE OUTLET TO FLAT AREA (NO DEFINED CHANNEL)
N.T.S.



STA 12+63 TO STA 13+29 LT

ARTICULATED BLOCK REVETMENT MAT DETAIL AT DITCH

N.T.S.

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - EP	REVISED -	
	DRAWN - KK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING & ARMORING DETAILS
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: N.T.S. | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	59
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

PIN 04-28-200-020

PIN 04-28-200-023

PIN 04-28-200-003

N

0 10 20

SCALE IN FEET

TEMP EASE

SEE LANDSCAPING & ARMORING DETAILS

LIMITS OF CONSTRUCTION, TYP

PR ROW

780

STA. 6+82.05
OFF. 29.41' LT.

STA. 7+23.45
OFF. 29.34' LT.

STA. 8+26.55
OFF. 29.50' LT.

STA. 8+66.79
OFF. 34.00' LT.

6 7 8

WEST SOLON RD

PR ℄ & PGL WEST SOLON RD

MATCHLINE STA. 9+00.00

TEMP EASE

LIMITS OF CONSTRUCTION, TYP

PR ROW

BUFFER LIMITS

PIN 04-28-200-032

FOR STORM SEWER AND DRAINAGE STRUCTURE DETAILS SEE THE DRAINAGE PLAN & PROFILE SHEETS.

ARMORING LAYOUT LEGEND

- WETLAND LIMITS
- WATERWAY/INAI SITE #1507 LIMITS
- BUFFER LIMITS
- FLOODWAY LIMITS
- FLOODPLAIN LIMITS
- VEGETATED ROCK TOE
- STONE RIPRAP, CLASS A3
- STONE RIPRAP,CLASS A3 (SPECIAL)
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- CLOSED-CELL, ARTICULATED BLOCK REVETMENT MAT
- OPEN-CELL, VEGETATED ARTICULATED BLOCK REVETMENT MAT

MODEL: Armoring Layout - 1
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\16_Landscaping\W23301-sht-armoringlayout.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - NM	REVISED -	
	DRAWN - KC	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE - 2/20/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMORING LAYOUT PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 5 OF 7 SHEETS | STA. 6+00.00 | TO STA. 9+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	60
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

FLOODWAY LIMITS
FLOODPLAIN LIMITS
WOTUS LIMITS
GLACIAL PARK CONSERVATION AREA (MCCD) PIN 04-27-100-002
WETLAND LIMITS
N
0 10 20
SCALE IN FEET
STA. 9+89.00 OFF. 43.03' LT.
STA. 9+80.40 OFF. 43.00' LT.
STA. 9+77.99 OFF. 43.00' LT.
STA. 9+39.31 OFF. 43.00' LT.
TEMP EASE
PR ROW
STA. 9+81.83 OFF. 18.00' LT.
STA. 9+83.92 OFF. 17.96' LT.
STA. 10+19.34 OFF. 18.00' LT.
STA. 10+17.34 OFF. 18.00' LT.
STA. 10+25.95 OFF. 37.85' LT.
STA. 10+32.62 OFF. 38.00' LT.
STA. 10+44.04 OFF. 38.00' LT.
STA. 10+59.22 OFF. 38.00' LT.
STA. 10+59.22 OFF. 18.00' LT.
LIMITS OF CONSTRUCTION, TYP.
TEMP EASE
STA. 9+39.31 OFF. 19.67' LT.
STA. 9+65.53 OFF. 18.00' LT.
STA. 9+77.83 OFF. 18.00' LT.
STA. 10+38.68 OFF. 18.00' LT.
STA. 10+23.30 OFF. 17.96' LT.
MATCHLINE STA. 9+00.00
9
10+00
11
MATCHLINE STA. 12+00.00
WEST SOLON RD
PR ℄ & PGL WEST SOLON RD
STA. 10+38.70 OFF. 18.00' RT.
STA. 9+39.31 OFF. 18.40' RT.
STA. 9+64.81 OFF. 37.52' RT.
STA. 9+39.31 OFF. 37.48' RT.
STA. 9+39.31 OFF. 51.00' RT.
STA. 9+83.81 OFF. 18.91' RT.
STA. 10+17.34 OFF. 18.32' RT.
STA. 10+19.34 OFF. 18.00' RT.
STA. 9+81.82 OFF. 17.96' RT.
STA. 9+78.02 OFF. 37.49' RT.
STA. 10+23.32 OFF. 18.00' RT.
STA. 10+59.22 OFF. 38.49' RT.
STA. 10+59.22 OFF. 47.56' RT.
STA. 10+93.22 OFF. 20.00' RT.
STA. 10+93.22 OFF. 48.33' RT.
770
765
765
PR ROW
PR ROW
WOTUS LIMITS
STA. 9+60.91 OFF. 51.00' RT.
STA. 9+60.90 OFF. 56.94' RT.
STA. 9+84.78 OFF. 56.76' RT.
STA. 9+78.22 OFF. 56.81' RT.
NORTH BRANCH NIPPERSINK CREEK INAI SITE 1507
TEMP EASE
FLOODWAY LIMITS
WETLAND LIMITS
GLACIAL PARK CONSERVATION AREA (MCCD) PIN 04-27-100-002
WOTUS LIMITS
765
FOR STORM SEWER AND DRAINAGE STRUCTURE DETAILS SEE THE DRAINAGE PLAN & PROFILE SHEETS.

ARMORING LAYOUT LEGEND

- WETLAND LIMITS
- WATERWAY/INAI SITE #1507 LIMITS
- BUFFER LIMITS
- FLOODWAY LIMITS
- FLOODPLAIN LIMITS
- VEGETATED ROCK TOE
- STONE RIPRAP, CLASS A3
- STONE RIPRAP,CLASS A3 (SPECIAL)
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- CLOSED-CELL, ARTICULATED BLOCK REVETMENT MAT
- OPEN-CELL, VEGETATED ARTICULATED BLOCK REVETMENT MAT

MODEL: Armoring Layout - 2
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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - NM	REVISED -	
	DRAWN - KC	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE - 2/20/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMORING LAYOUT PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 6 OF 7 SHEETS | STA. 9+00.00 TO STA. 12+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	61
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

N

0 10 20
SCALE IN FEET

WETLAND LIMITS

FLOODWAY LIMITS

STA. 12+72.99
OFF. 40.71' LT.

TEMP EASE

PR ROW

STA. 12+63.28
OFF. 31.00' LT.

LIMITS OF CONSTRUCTION, TYP.

STA. 13+29.45
OFF. 38.88' LT.

STA. 13+29.26
OFF. 28.89' LT.

WETLAND LIMITS

PR ROW

TEMP EASE

10.00'

68.0

10.00'

13.00'

9.00'

MATCHLINE STA. 12+00.00

12

13

14

WEST SOLON RD

PR ℄ & PGL WEST SOLON RD

770

STA. 12+70.64
OFF. 32.19' RT.

STA. 12+98.50
OFF. 30.89' RT.

LIMITS OF CONSTRUCTION, TYP.

PR ROW

766

STA. 12+76.43
OFF. 37.31' RT.

765

PR ROW

WETLAND LIMITS

STA. 12+73.29
OFF. 52.74' RT.

765

TEMP EASE

FOR STORM SEWER AND DRAINAGE STRUCTURE DETAILS
SEE THE DRAINAGE PLAN & PROFILE SHEETS.

ARMORING LAYOUT LEGEND

- WETLAND LIMITS
- WATERWAY/INAI SITE #1507 LIMITS
- BUFFER LIMITS
- FLOODWAY LIMITS
- FLOODPLAIN LIMITS
- VEGETATED ROCK TOE
- STONE RIPRAP, CLASS A3
- STONE RIPRAP,CLASS A3 (SPECIAL)
- MATERIAL FOR STREAMBED ESTABLISHMENT, 24"
- CLOSED-CELL, ARTICULATED BLOCK REVETMENT MAT
- OPEN-CELL, VEGETATED ARTICULATED BLOCK REVETMENT MAT

MODEL: Armoring Layout - 3
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0205_Environmental\03_Sheet\16_Landscaping\W23301-sht-armoringlayout.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - NM	REVISED -	
	DRAWN - KC	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - ML	REVISED -	
PLOT DATE = 2/20/2026	DATE - 2/20/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARMORING LAYOUT PLAN
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 7 OF 7 SHEETS | STA. 12+00.00 | TO STA. 15+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	62
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

Benchmark: Spike in utility pole located at Sta. 8+79.2652, 19.9876' LT. El. 779.098 (N 2102978.7160 E 994200.2520 NAVD88)

Existing Structure: SN 056-3142 is a three-span, precast prestressed deck beam bridge supported on concrete abutments and pier caps on concrete piles. The structure carrying West Solon Road (FAU 165) over North Branch Nippersink Creek was built in 1983 and rehabilitated via partial superstructure replacement in 2020 to operate with an 18-25-25 ton load posting. The structure length is 85'-6" back-to-back abutments and the out-to-out deck width is 27'-0" with no skew. The existing structure is to be removed and replaced.

Traffic Control: All traffic will be detoured during construction.

Salvage: None

DESIGN SCOUR ELEVATION TABLE

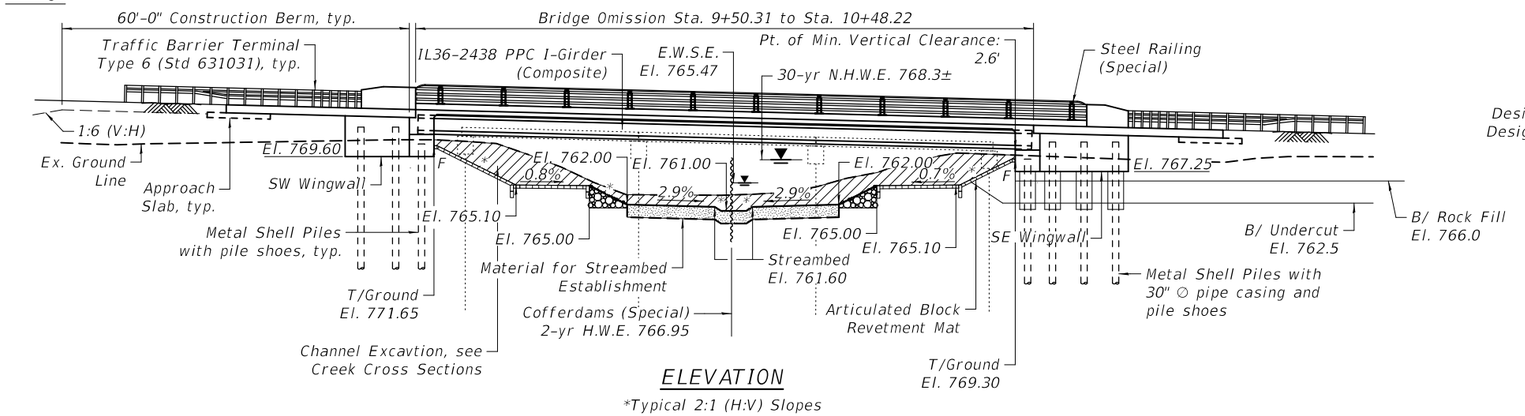
Event / Limit State	Design Scour Elevations (ft.)		
	W. Abut.	E. Abut.	Item 113
Q100	769.65	767.30	8
Q200	769.65	767.30	
Design	769.65	767.30	
Check	769.65	767.30	

WATERWAY INFORMATION

Drainage Area = 70.9 sq. mi. — Low Grade Elev. 768.6 @ Sta. 14+50

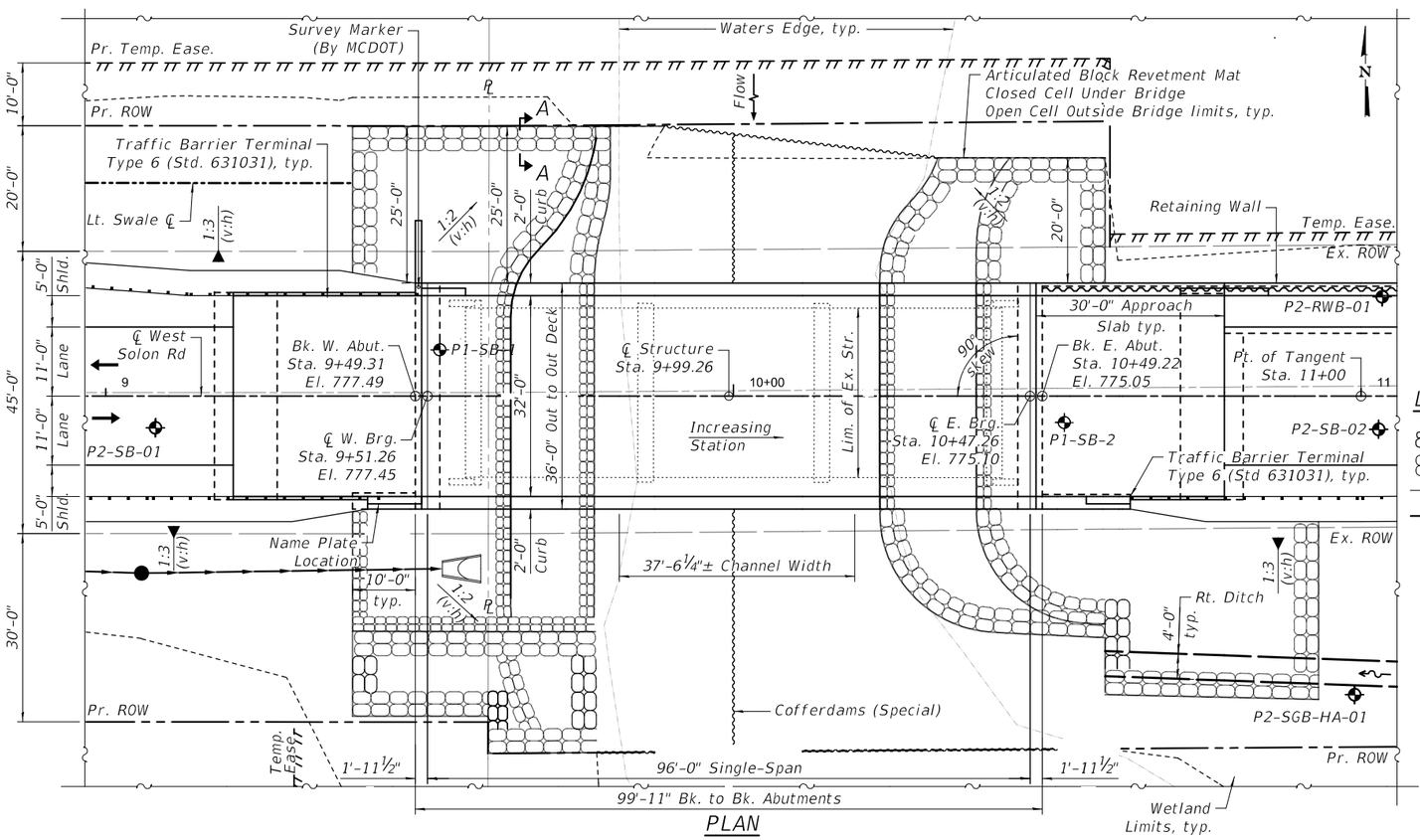
Flood	Freq. Yr.	Q C.F.S.	Opening Ft²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	1835	272	337	767.8	1.1	1.1	768.9	768.9
Design	30	2108	316	384	768.3	0.9	0.8	769.2	769.1
Base	100	2828	437	519	769.9	0.5	0.5	770.4	770.4
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. Calc.	500	3795	521	705	772.6	0.0	0.0	772.6	772.6

10-Yr Velocity through Existing structure = 6 ft/sec
10-Yr Velocity through Proposed Structure = 7 ft/sec



ELEVATION

*Typical 2:1 (H:V) Slopes



PLAN

SEISMIC DATA

Seismic Performance Zone (SPZ) = 0
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.11g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.195g
Soil Site Class = E

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

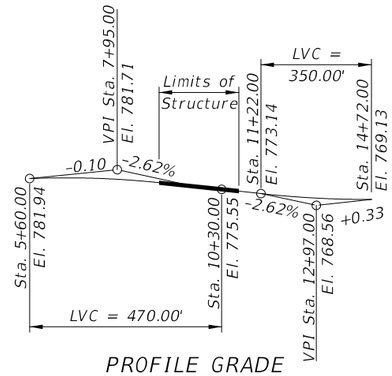
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi (Substructure)
f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 8,500 psi
f'ci = 6,500 psi
f's = 270,000 psi (0.6" low lax. strands)
fsi = 201,960 psi (0.6" low lax. strands)



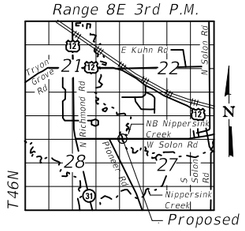
PROFILE GRADE

(along ℄ & PGL of West Solon Road)

Up to ¼" to be ground off the bridge deck and the bridge approach slabs. The Profile Grade shows the final grade after grinding

LEGEND

- Vegetated Rock Toe
- Articulated Block Revetment Mat
- A — Existing Aerial
- Proposed Storm Sewer
- Soil Boring (P1=Phase 1; P2=Phase 2)



LOCATION SKETCH

I certify 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 the structure and complies with the requirements of the 2020 AASHTO LRFD Bridge Design Specifications.

STATE OF ILLINOIS — MELISSA LANGE — 081-006488 — REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL ENGINEER

1-12-2026
MELISSA LANGE, S.E.
IL REG. STRUCTURAL ENG. NO. 081-006488
EXPIRATION DATE 11-30-2026
SHEETS S1 - S36

GENERAL PLAN & ELEVATION
WEST SOLON ROAD
OVER NORTH BRANCH NIPPERSINK CREEK
FAU 165 - SEC 19-00510-00-BR
MCHENRY COUNTY
STA 9+99.26
STRUCTURE NO. 056-9142

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -
	CHECKED - M. LANGE	REVISED -
PLOT SCALE = 24:0.0000 ':" / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 056-9142
SHEET S1 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	63
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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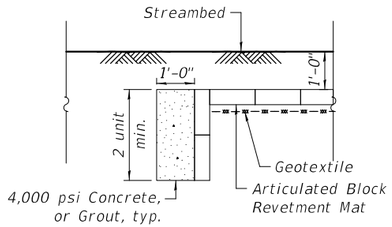
2/20/2026 11:25:05 AM

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Protective coat shall be applied to the top of deck and the top and inside faces of curbs.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The emabnkment configuration shown shall be the minimum that must be placed prior to construction of the abutments.
5. A film forming Concrete Sealer shall be applied to the designated areas of to the exposed abutment face and sides, as well as as the exposed faces of the wingwalls.
6. Granular Backfill behind the north and south sides of the west abutment shall be compacted according to Article 205.06 of the Standard Specifications.
7. Up to ¼ inch to be ground off the bridge deck and the bridge approach slabs. The Profile Grade shows the final grade after grinding.
8. MCDOT will provide the Contractor with a brass survey marker to be placed on bridge at time of pour and at the location as directed by the Engineer. This work is to be included Contract pay items and no additional compensation will be made.
9. A contingency has been for Removal and Disposal of Unsuitable Material for Structures.
10. Steel Railing (Special) shall be glavanized according to Article 509.05 of the Standard Specifications.



SECTION A-A

N. BR. NIPPERSINK CREEK
BUILT 202_ BY
MCHENRY COUNTY
SEC. 19-00510-00-BR
FAU 165 - STA. 9+99.26
STR. NO. 056-9142 - LOADING HL-93

NAME PLATE

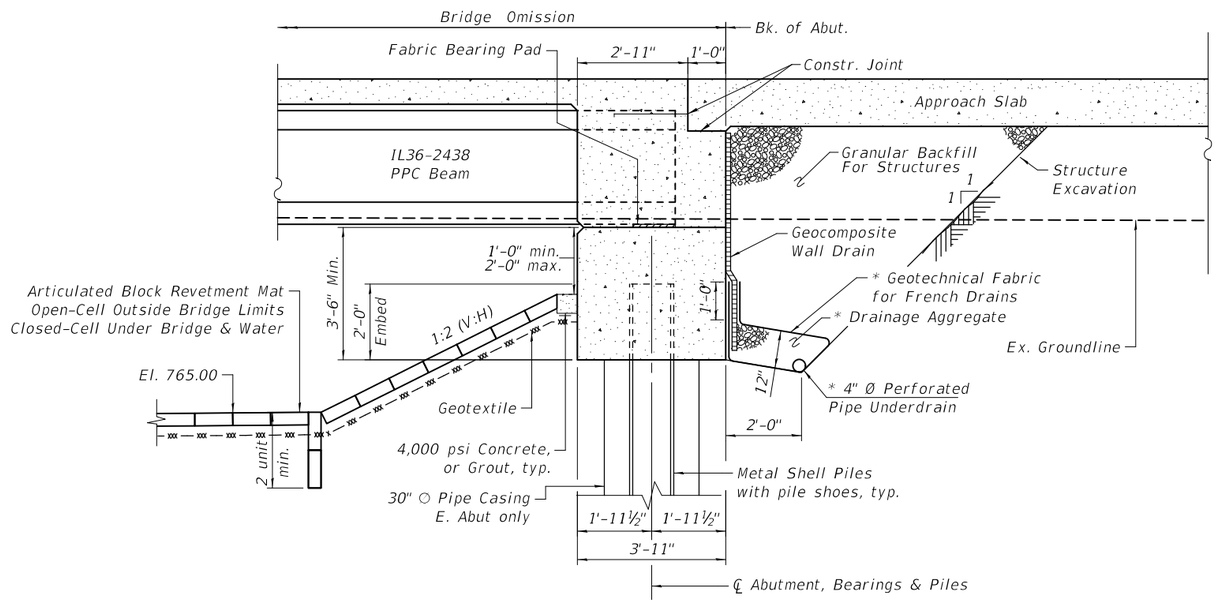
See Std. 515001.

INDEX OF SHEETS

S1	General Plan & Elevation
S2	General Data
S3	Top of Slab Elevations I
S4	Top of Slab Elevations II
S5	Top of Approach Slab Elevations
S6	Supestructure Plan
S7	Diaphragm Details
S8	Superstructure Details
S9-S11	Steel Railing Details
S12	Approach Slab Plan
S13	Approach Slab Details I
S14	Approach Slab Details II
S15	Framing Plan
S16	IL36N Beam
S17	IL36N Beam Details
S18	West Abutment Plan and Elevation
S19	East Abutment Plan and Elevation
S20	Abutment Details
S21	Metal Shell Pile Details
S23-S25	Soil Boring Logs
S26-S31	Existing Plans
S32-S36	Repair Plans

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.	-	785	785
Removal of Existing Structures	Each	0.5	0.5	1
Structure Excavation	Cu. Yd.	-	70.0	70.0
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	-	95.0	95.0
Concrete Structures	Cu. Yd.	-	74.0	74.0
Concrete Superstructures	Cu. Yd.	158.0	-	158.0
Protective Coat	Sq. Yd.	697	-	697
Concrete Superstructure (Approach Slab)	Cu. Yd.	98.0	-	98.0
Furnishing & Erecting Precast Prestressed Concrete Beams, IL36N	Foot	583.5	-	583.5
Reinforcement Bars, Epoxy Coated	Pound	65,220	11,750	76,970
Furnishing Metal Shell Piles 16" x 0.312"	Foot	-	950	950
Driving Piles	Foot	-	950	950
Test Pile Metal Shells	Each	-	2	2
Pile Shoes	Each	-	19	19
Name Plate	Each	1	-	1
Granular Backfill For Structures	Cu. Yd.	-	108	108
Geocomposite Wall Drain	Sq. Yd.	-	76	76
Pipe Underdrains For Structures 4"	Foot	-	139	139
Cofferdams (Special)	Each	-	2	2
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	563	-	563
Bar Terminators	Each	74	336	410
Steel Railing (Special)	Foot	220	-	220
Diamond Grinding (Bridge Section)	Sq. Yd.	492	-	492



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. <'s)
*Included in the cost of Pipe Underdrain for Structures, 4".

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

The outlet end of the pipe shall be protected by a permanent rodent shield, upon placement of the Pipe underdrain for Structures, 4".

The rodent shield shall have the configuration shown on the plans and shall be constructed of hot dip galvanized steel industrial wire cloth. The cloth size shall be 5 x 7 in. (125 x 175 mm) minimum before fabrication of shield for 4 in. (100 mm) pipe. Other submitted designs for a removable rodent shield may be used with the approval of the Engineer.

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 056-9142
	CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 2:0.0000 ':" / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -		SHEET S2 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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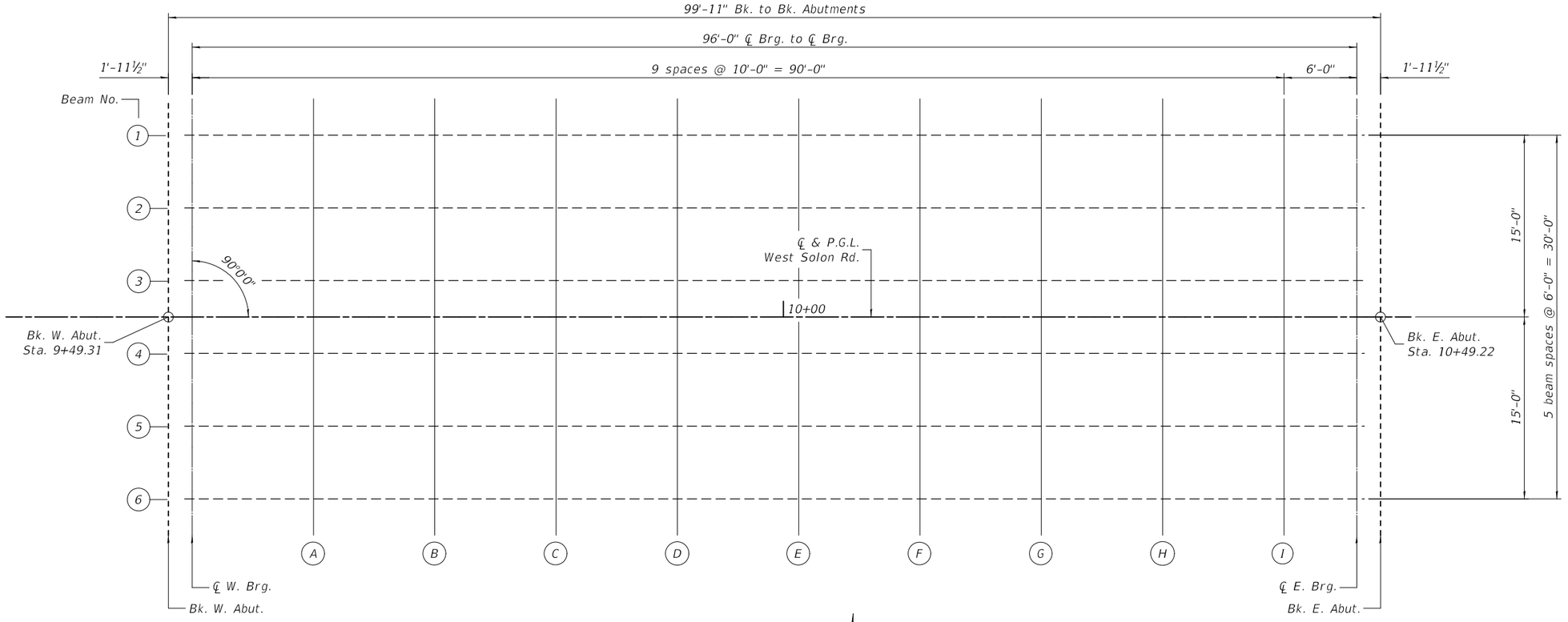
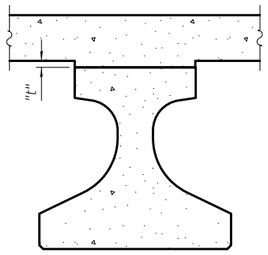
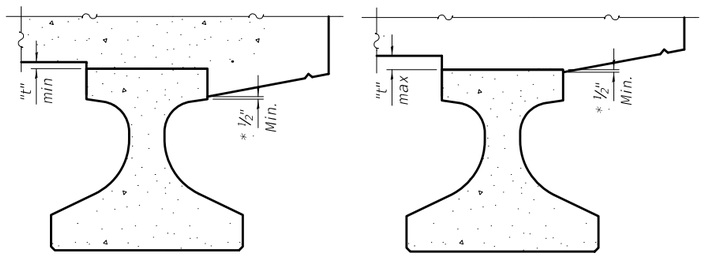
			CONTRACT NO. 61L86	
		ILLINOIS	FED. AID PROJECT	



PLAN



INTERIOR BEAMS



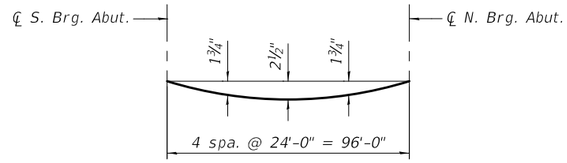
EXTERIOR BEAMS

*Variable (not less than 1/2")

METHOD OF DETERMING FILLET HEIGHTS "I"

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections and Grinding" shown below, minus the initial slab thickness prior to grinding, equals the fillet heights "t" above top flanges of beams.

The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown below. For grinding the deck, see special provisions.



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown below and on Sheet S4.

BEAM 1				
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjust for DL Deflection and Grinding
Bk. W. Abut.	9+49.31	-15.00	777.19	777.21
CL Brg. W. Abut.	9+51.26	-15.00	777.15	777.17
A	9+61.26	-15.00	776.93	777.02
B	9+71.26	-15.00	776.70	776.85
C	9+81.26	-15.00	776.47	776.67
D	9+91.26	-15.00	776.23	776.46
E	10+01.26	-15.00	775.98	776.22
F	10+11.26	-15.00	775.74	775.96
G	10+21.26	-15.00	775.48	775.66
H	10+31.26	-15.00	775.22	775.35
I	10+41.26	-15.00	774.96	775.02
CL Brg. E. Abut.	10+47.26	-15.00	774.80	774.82
Bk. E. Abut.	10+49.22	-15.00	774.75	774.77

CL PGL CROWN				
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjust for DL Deflection and Grinding
Bk. W. Abut.	9+49.31	0.00	777.49	777.51
CL Brg. W. Abut.	9+51.26	0.00	777.45	777.47
A	9+61.26	0.00	777.23	777.32
B	9+71.26	0.00	777.00	777.15
C	9+81.26	0.00	776.77	776.97
D	9+91.26	0.00	776.53	776.76
E	10+01.26	0.00	776.28	776.52
F	10+11.26	0.00	776.04	776.26
G	10+21.26	0.00	775.78	775.96
H	10+31.26	0.00	775.52	775.65
I	10+41.26	0.00	775.26	775.32
CL Brg. E. Abut.	10+47.26	0.00	775.10	775.12
Bk. E. Abut.	10+49.22	0.00	775.05	775.07

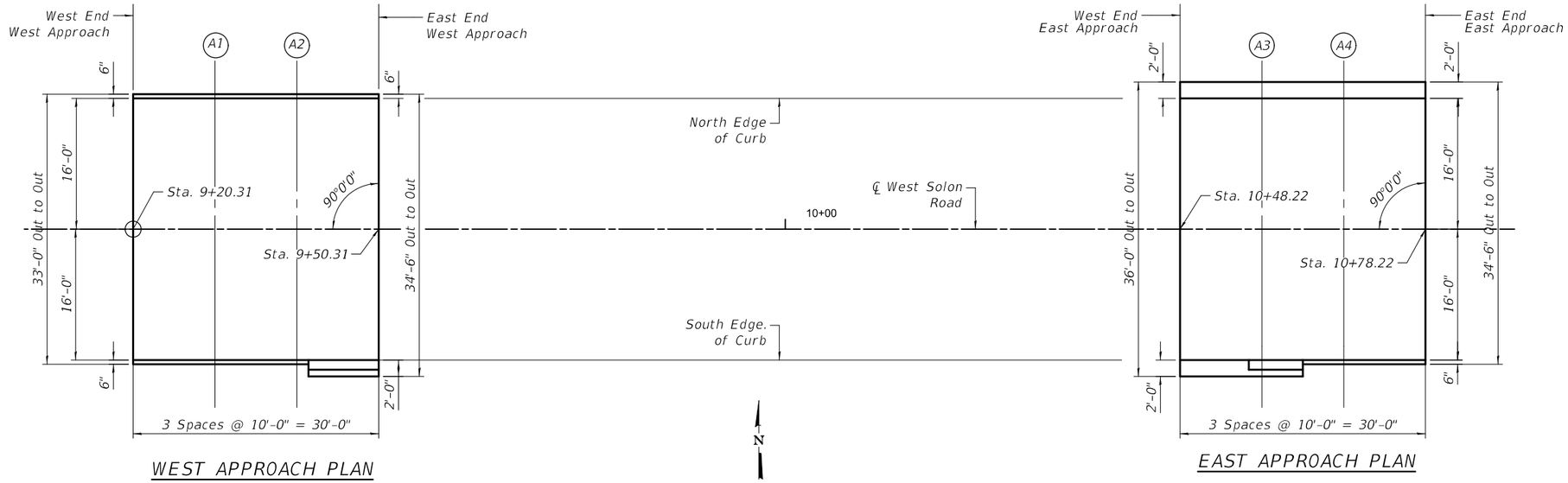
BEAM 6				
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjust for DL Deflection and Grinding
Bk. W. Abut.	9+49.31	15.00	777.19	777.21
CL Brg. W. Abut.	9+51.26	15.00	777.15	777.17
A	9+61.26	15.00	776.93	777.02
B	9+71.26	15.00	776.70	776.85
C	9+81.26	15.00	776.47	776.67
D	9+91.26	15.00	776.23	776.46
E	10+01.26	15.00	775.98	776.22
F	10+11.26	15.00	775.74	775.96
G	10+21.26	15.00	775.48	775.66
H	10+31.26	15.00	775.22	775.35
I	10+41.26	15.00	774.96	775.02
CL Brg. E. Abut.	10+47.26	15.00	774.80	774.82
Bk. E. Abut.	10+49.22	15.00	774.75	774.77

BEAM 2				
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjust for DL Deflection and Grinding
Bk. W. Abut.	9+49.31	-9.00	777.31	777.33
CL Brg. W. Abut.	9+51.26	-9.00	777.27	777.29
A	9+61.26	-9.00	777.05	777.14
B	9+71.26	-9.00	776.82	776.97
C	9+81.26	-9.00	776.59	776.79
D	9+91.26	-9.00	776.35	776.58
E	10+01.26	-9.00	776.10	776.34
F	10+11.26	-9.00	775.86	776.08
G	10+21.26	-9.00	775.60	775.78
H	10+31.26	-9.00	775.34	775.47
I	10+41.26	-9.00	775.08	775.14
CL Brg. E. Abut.	10+47.26	-9.00	774.92	774.94
Bk. E. Abut.	10+49.22	-9.00	774.87	774.89

BEAM 4				
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjust for DL Deflection and Grinding
Bk. W. Abut.	9+49.31	3.00	777.43	777.45
CL Brg. W. Abut.	9+51.26	3.00	777.39	777.41
A	9+61.26	3.00	777.17	777.26
B	9+71.26	3.00	776.94	777.09
C	9+81.26	3.00	776.71	776.91
D	9+91.26	3.00	776.47	776.70
E	10+01.26	3.00	776.22	776.46
F	10+11.26	3.00	775.98	776.20
G	10+21.26	3.00	775.72	775.90
H	10+31.26	3.00	775.46	775.59
I	10+41.26	3.00	775.20	775.26
CL Brg. E. Abut.	10+47.26	3.00	775.04	775.06
Bk. E. Abut.	10+49.22	3.00	774.99	775.01

BEAM 3				
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjust for DL Deflection and Grinding
Bk. W. Abut.	9+49.31	-3.00	777.43	777.45
CL Brg. W. Abut.	9+51.26	-3.00	777.39	777.41
A	9+61.26	-3.00	777.17	777.26
B	9+71.26	-3.00	776.94	777.09
C	9+81.26	-3.00	776.71	776.91
D	9+91.26	-3.00	776.47	776.70
E	10+01.26	-3.00	776.22	776.46
F	10+11.26	-3.00	775.98	776.20
G	10+21.26	-3.00	775.72	775.90
H	10+31.26	-3.00	775.46	775.59
I	10+41.26	-3.00	775.20	775.26
CL Brg. E. Abut.	10+47.26	-3.00	775.04	775.06
Bk. E. Abut.	10+49.22	-3.00	774.99	775.01

BEAM 5				
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjust for DL Deflection and Grinding
Bk. W. Abut.	9+49.31	9.00	777.31	777.33
CL Brg. W. Abut.	9+51.26	9.00	777.27	777.29
A	9+61.26	9.00	777.05	777.14
B	9+71.26	9.00	776.82	776.97
C	9+81.26	9.00	776.59	776.79
D	9+91.26	9.00	776.35	776.58
E	10+01.26	9.00	776.10	776.34
F	10+11.26	9.00	775.86	776.08
G	10+21.26	9.00	775.60	775.78
H	10+31.26	9.00	775.34	775.47
I	10+41.26	9.00	775.08	775.14
CL Brg. E. Abut.	10+47.26	9.00	774.92	774.94
Bk. E. Abut.	10+49.22	9.00	774.87	774.89



WEST APPROACH PLAN

EAST APPROACH PLAN

NORTH EDGE OF CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End West Approach	9 + 20.31	-16.00	777.78	777.81
A1	9 + 30.31	-16.00	777.58	777.60
A2	9 + 40.31	-16.00	777.37	777.39
E. End West Approach	9 + 50.31	-16.00	777.15	777.17

℄ WEST SOLON ROAD AND PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End West Approach	9 + 20.31	0.00	778.10	778.13
A1	9 + 30.31	0.00	777.90	777.92
A2	9 + 40.31	0.00	777.69	777.71
E. End West Approach	9 + 50.31	0.00	777.47	777.49

SOUTH EDGE OF CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End West Approach	9 + 20.31	16.00	777.78	777.81
A1	9 + 30.31	16.00	777.58	777.60
A2	9 + 40.31	16.00	777.37	777.39
E. End West Approach	9 + 20.51	16.00	777.78	777.80

NORTH EDGE OF CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End East Approach	10 + 48.22	-16.00	774.76	774.78
A3	10 + 58.22	-16.00	774.49	774.52
A4	10 + 68.22	-16.00	774.23	774.25
E. End East Approach	10 + 78.22	-16.00	773.97	773.99

℄ WEST SOLON ROAD AND PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End East Approach	10 + 48.22	0.00	775.08	775.10
A3	10 + 58.22	0.00	774.81	774.84
A4	10 + 68.22	0.00	774.55	774.57
E. End East Approach	10 + 78.22	0.00	774.29	774.31

SOUTH EDGE OF CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
W. End East Approach	10 + 48.22	16.00	774.76	774.78
A3	10 + 58.22	16.00	774.49	774.52
A4	10 + 68.22	16.00	774.23	774.25
E. End East Approach	10 + 78.22	16.00	773.97	773.99

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ENGINEERING RESOURCE ASSOCIATES

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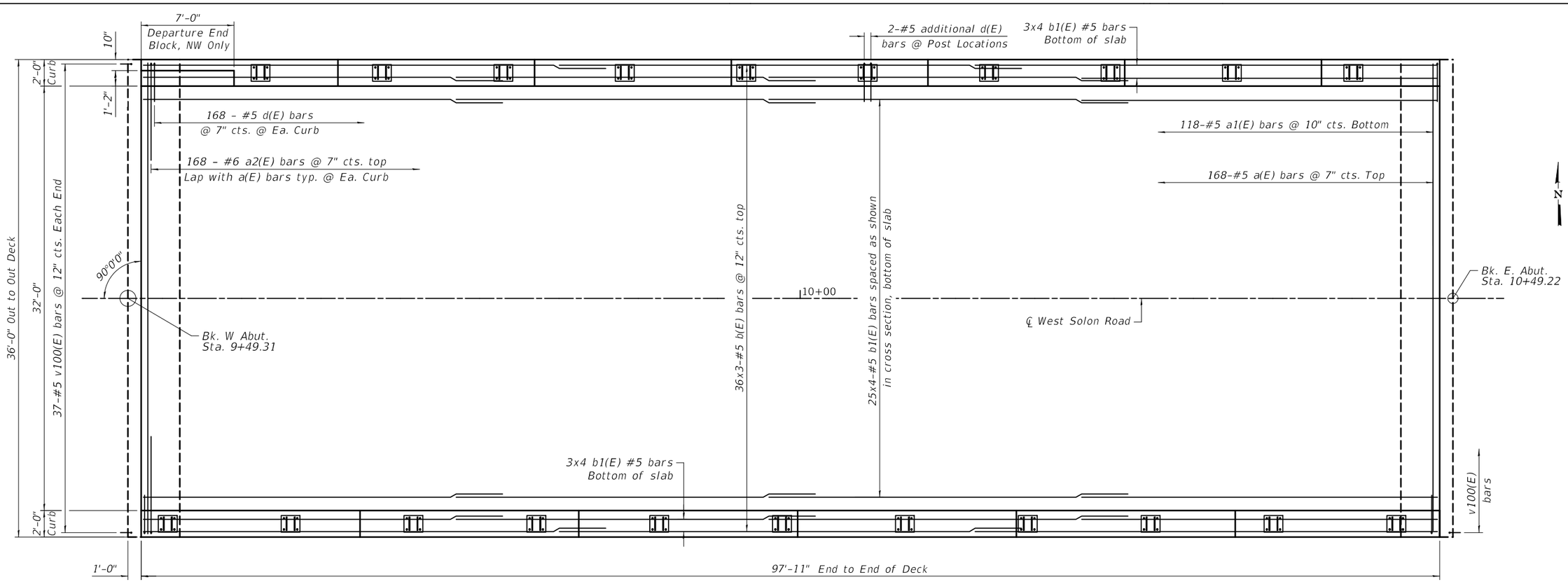
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

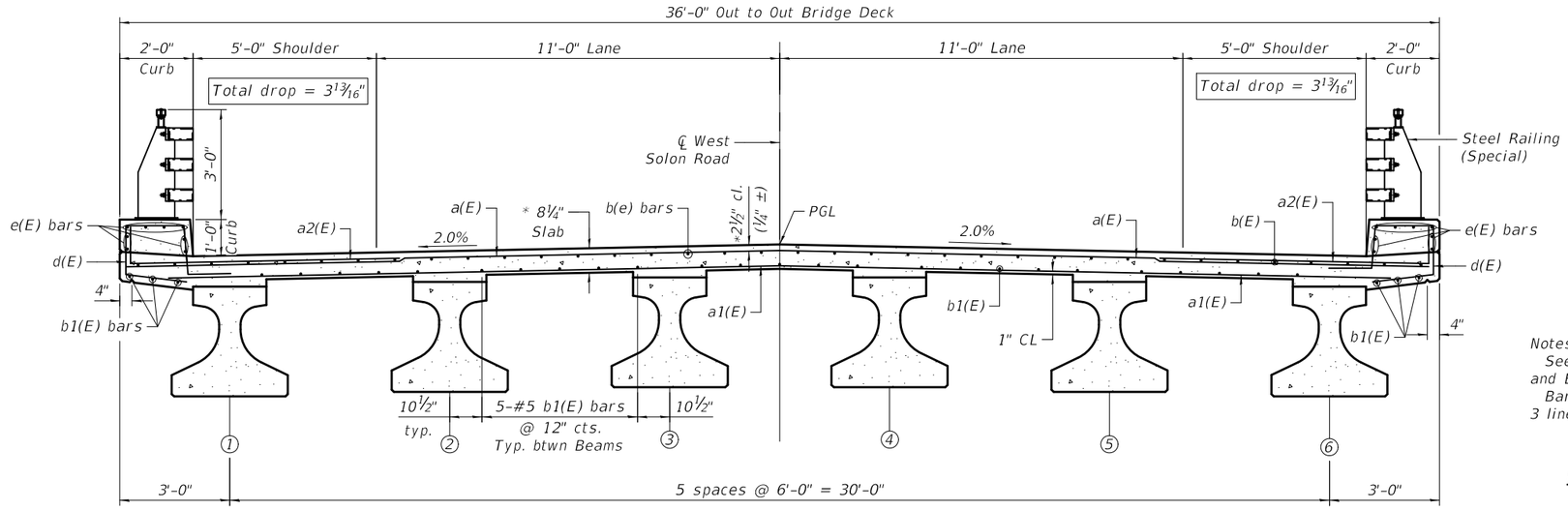
TOP OF APPROACH SLAB ELEVATIONS
STRUCTURE NO. 056-9142

SHEET S5 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	67
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



PLAN



CROSS SECTION

(Looking East)

* prior to grinding

Notes:

See Sheet S8 for superstructure details and Bill of Materials

Bars indicated thus 3x2-#5 etc. indicates 3 lines of bars with 2 lengths per line.

MINIMUM LAP LENGTH

(Deck)

#5 bar = 3'-6"

#6 bar = 4'-10"

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PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN
STRUCTURE NO. 056-9142
SHEET S6 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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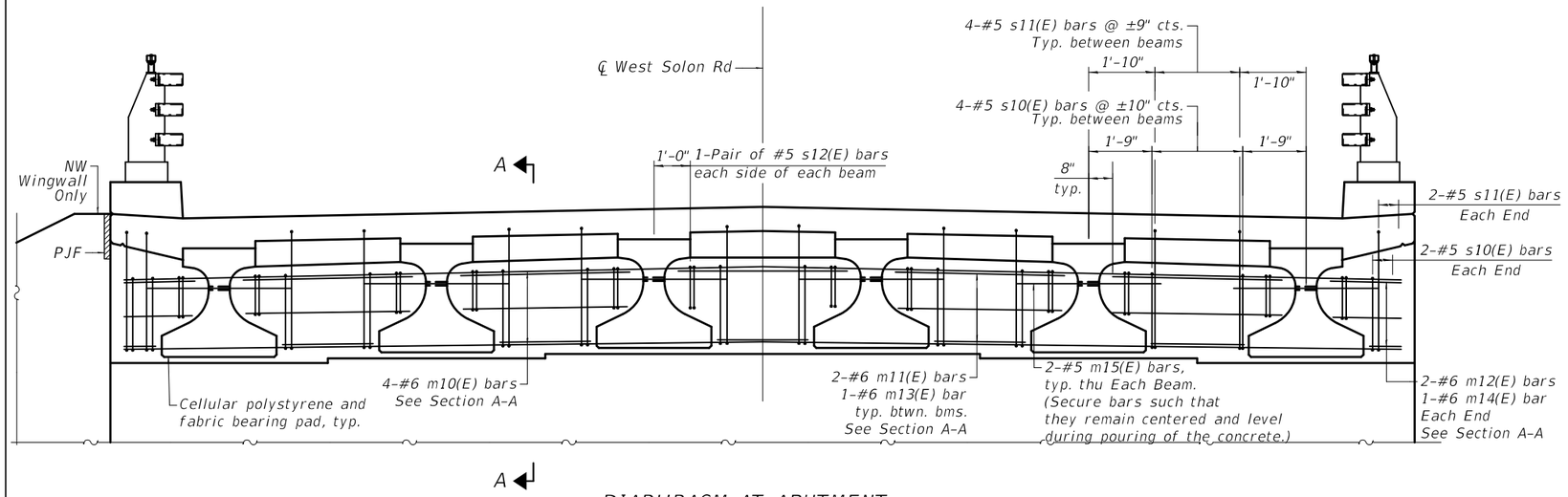
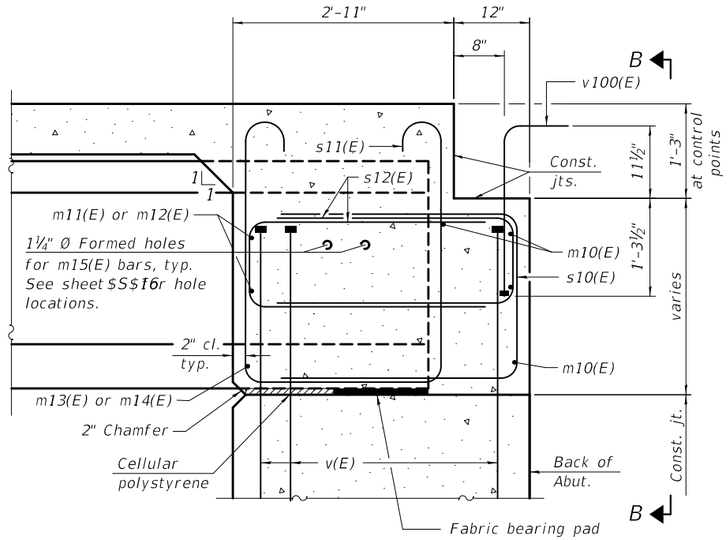
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

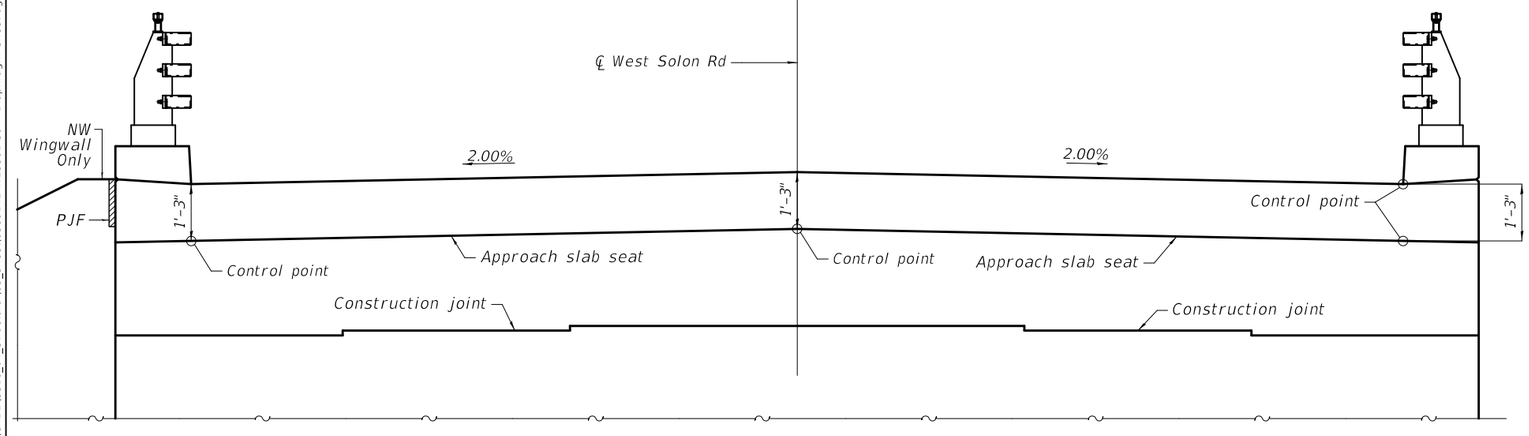


DIAPHRAGM AT ABUTMENT

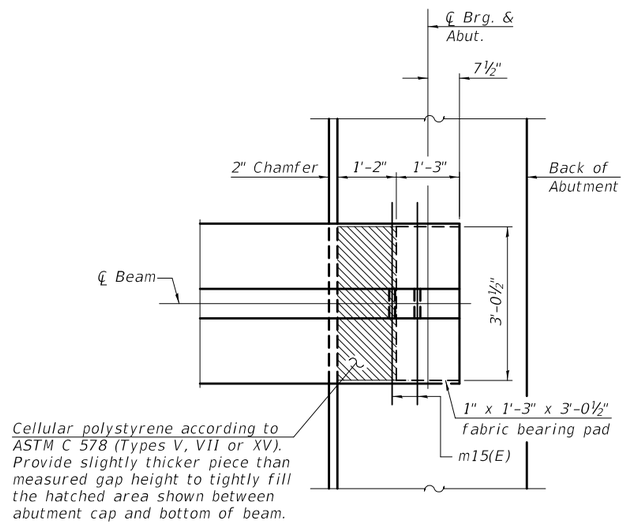
Notes:
See sheet S8 for superstructure details and Bill of Material.
See sheet S13 for PFJ details.
The approach slab seat shall have a constant slope determined from the control points shown.
Cost of cellular polystyrene is included with Concrete Superstructure.



SECTION A-A



VIEW B-B



PLAN AT ABUTMENT

(Showing bottom flange of beam)

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	PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO. 056-9142
SHEET S7 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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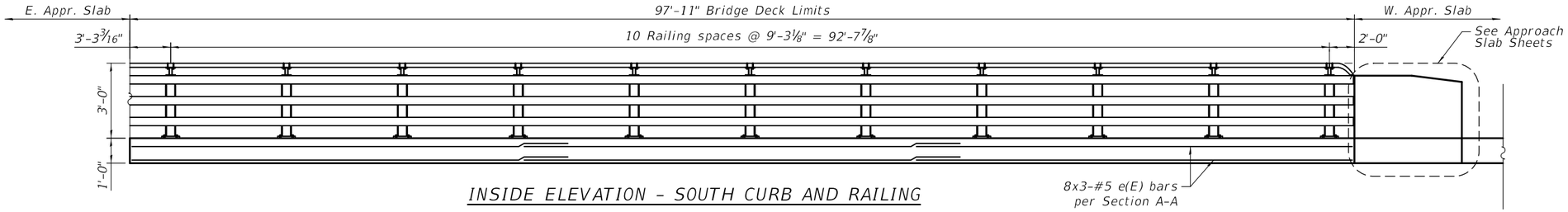
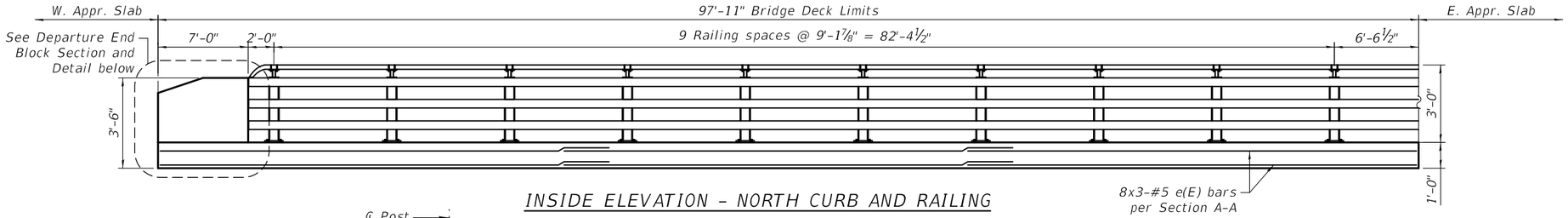
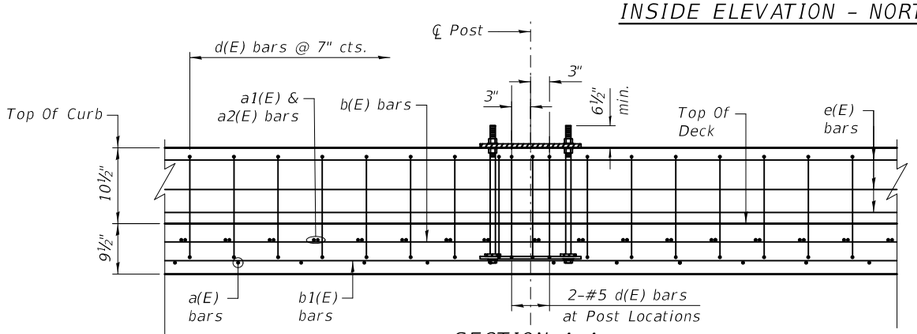
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



INSIDE ELEVATION - SOUTH CURB AND RAILING

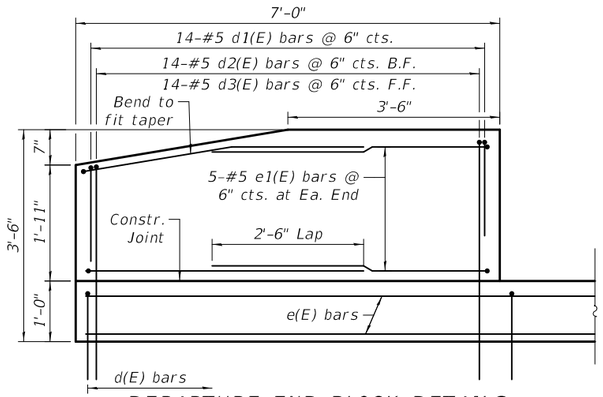


INSIDE ELEVATION - NORTH CURB AND RAILING

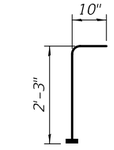


SECTION A-A

Post not shown for clarity



DEPARTURE END BLOCK DETAILS

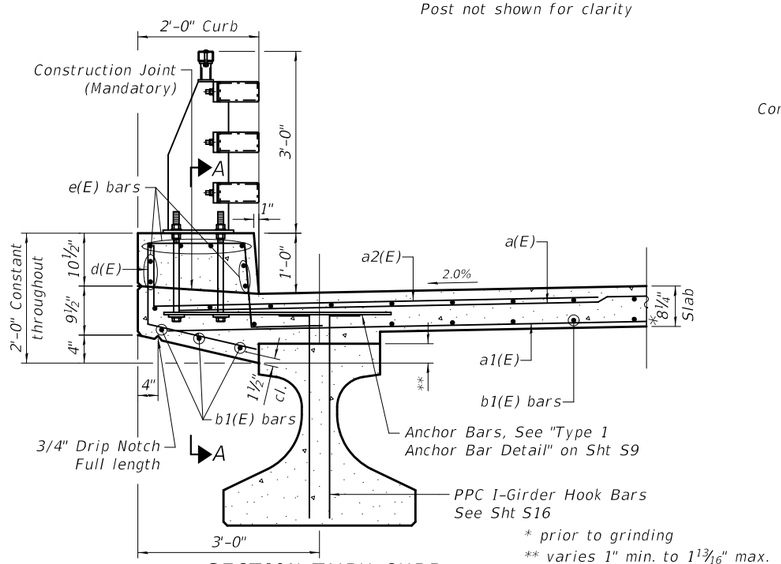


v100(E) bars

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	168	#5	35'-8"	
a1(E)	118	#5	33'-4"	
a2(E)	336	#6	8'-4"	
b(E)	108	#5	34'-11"	
b1(E)	124	#5	27'-1"	
d(E)	378	#5	7'-1"	
d1(E)	14	#5	3'-10"	
d2(E)	14	#5	3'-9"	
d3(E)	14	#5	4'-6"	
e(E)	48	#5	34'-11"	
e1(E)	10	#5	10'-0"	
m10(E)	8	#6	35'-8"	
m11(E)	20	#6	4'-7"	
m12(E)	8	#6	2'-2"	
m13(E)	10	#6	2'-6"	
m14(E)	4	#6	1'-0"	
m15(E)	24	#5	4'-0"	
s10(E)	48	#5	9'-0"	
s11(E)	48	#5	10'-1"	
s12(E)	48	#5	8'-0"	
v100(E)	74	#5	3'-1"	

Item	Unit	Total
Concrete Superstructures	Cu. Yd.	152.0
Protective Coat	Sq. Yd.	418
Reinforcement Bars, Epoxy Coated	Pound	29,150
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	349
Steel Railing (Special)	Foot	189
Diamond Grinding (Bridge Section)	Sq. Yd.	305
Bar Terminators	Each	74

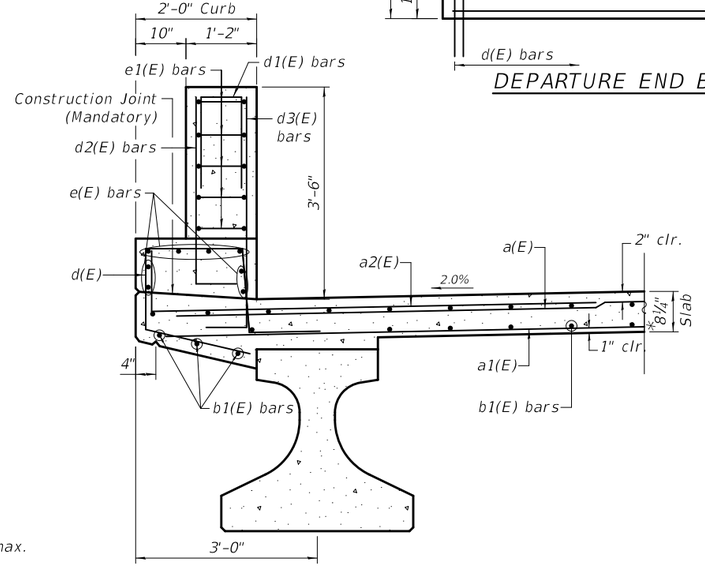


* prior to grinding

** varies 1" min. to 1 13/16" max.

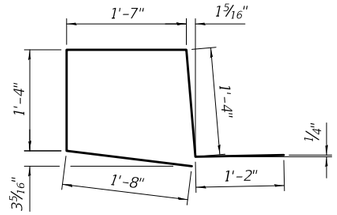
SECTION THRU CURB

(North Curb shown, South Curb similar and opposite)

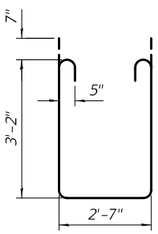


SECTION AT DEPARTURE END BLOCK

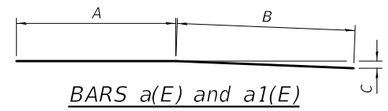
NW corner of deck



BAR d(E)

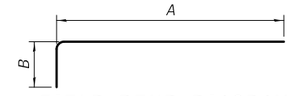


BAR s11(E)



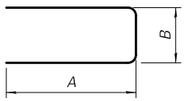
BARS a(E) and a1(E)

Bar	A	B	C
a(E)	17'-10"	17'-10"	8 9/16"
a1(E)	16'-8"	16'-8"	8"



FIELD BEND DIAGRAM

Bar	A	B
a2(E)	7'-4"	1'-0"
d2(E)	3'-1"	8"
d3(E)	3'-10"	8"



FIELD BEND DIAGRAM

Bar	A	B
d1(E)	1'-6"	10"
e1(E)	4'-7"	10"
s10(E)	3'-6"	2'-0"
s12(E)	3'-6"	1'-0"
s21(E)	3'-6"	1'-4"

The base plate and anchor bar may need to be shifted in the field depending on the extension of the hook bars from the PPC I-girders and actual fillet heights. Cost included in Steel Railing (Special).

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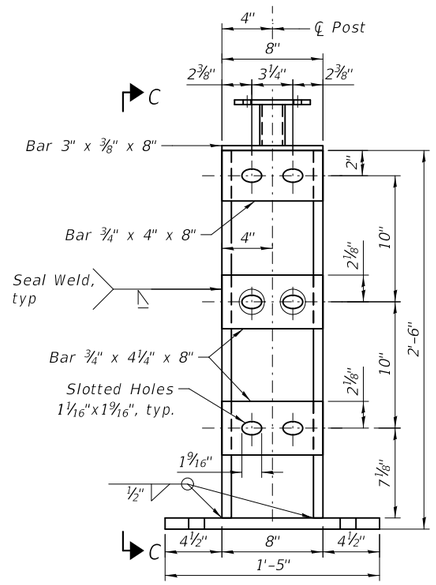
ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -		
		CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 20:0.0000 ':' / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

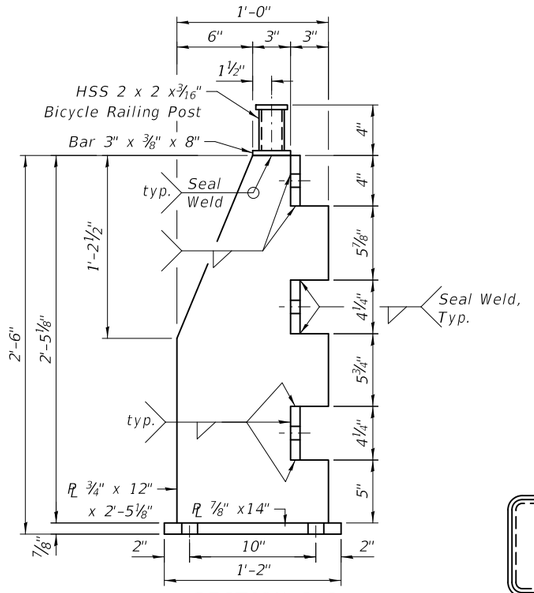
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 056-9142
SHEET S8 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	70
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



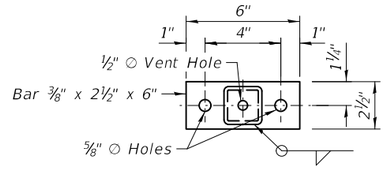
POST DETAIL

FRONT VIEW

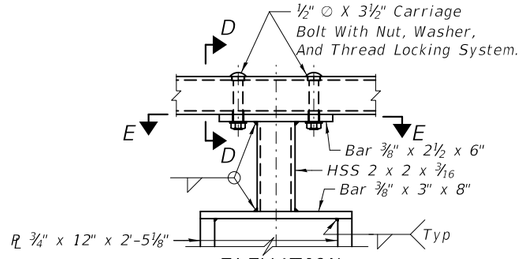


SECTION C-C

SIDE VIEW

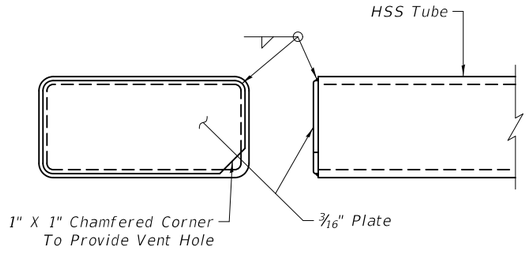


SECTION E-E



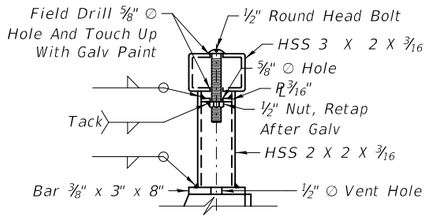
ELEVATION

Bar ¾" x 4" x 8" omitted for clarity

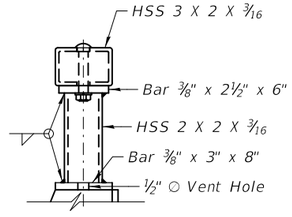


RAIL END CAP

For vehicular rail tubes and bicycle rail tubes

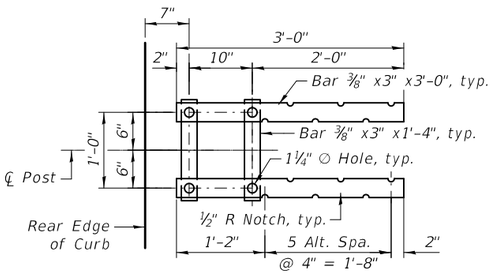


SECTION D-D - ALTERNATIVE



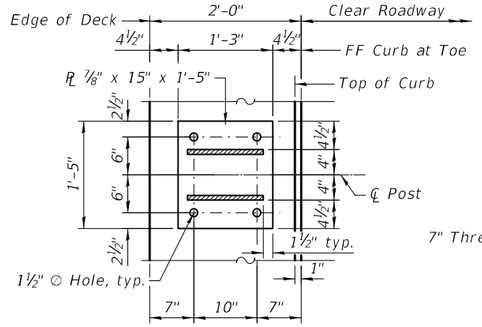
SECTION D-D

BICYCLE RAILING CONNECTION DETAILS



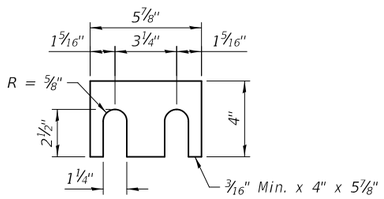
SECTION B-B - TYPE 1 ANCHOR BAR DETAIL

Anchor Bolts may be tack welded to anchorage



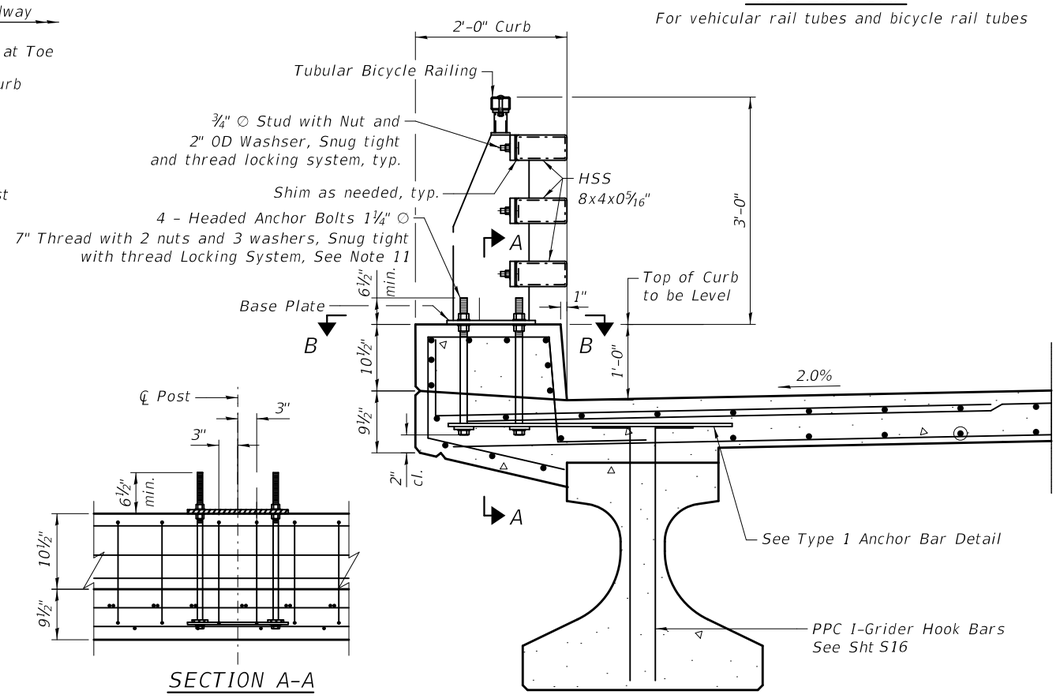
SECTION B-B

BASE PLATE



SHIM DETAILS

Shims as needed to get full bearing between posts and HSS ral tubes.



TYPICAL SECTION

SECTION A-A

Post not shown for clarity

See Superstructure Details for reinforcement Details

GENERAL NOTES

1. All railing components shall be galavnized. Type 1 anchor bar is not galvanized.
2. HS bolts with nut and washers, snug tightened, and thread locking system.
3. For rail splices use ½"∅ X 3⅝16 BOLTS (HSS 3 X 2 X 3/16) and use ¾"∅ X 5 5/16 BOLTS (HSS 8 X 4 X 5/16)
4. Each rail length must be continuous over a minimum of two posts.
5. The fabricator must check that the tubular sleeve splices conform to the dimensions indicated to assure proper clearance.
6. Not more than one splice permitted per same side of post.
7. All horizontal members are parallel to longitudinal profile grade.
8. Posts are normal to profile grade of structure.
9. Posts are vertical to the transverse cross section.
10. Anchor bolts may be tack welded to anchorage.
11. Use extra thick washers for anchor bolts, with a minimum thickness of 0.305" and a maximum thickness of 0.375"
12. All railing components shall be paid for as Steel Railing (Special).

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	
	CHECKED - M. LANGE	REVISED -	
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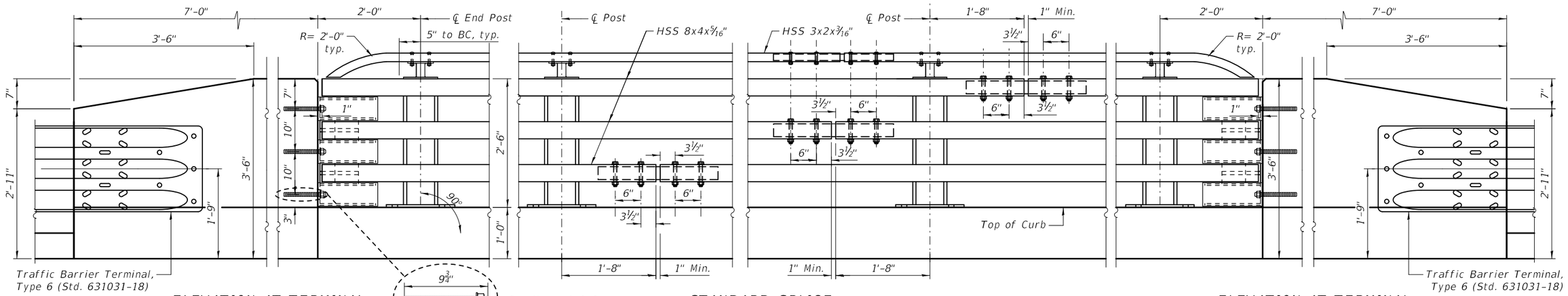
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING DETAILS
STRUCTURE NO. 056-9142

SHEET S9 OF S36 SHEETS

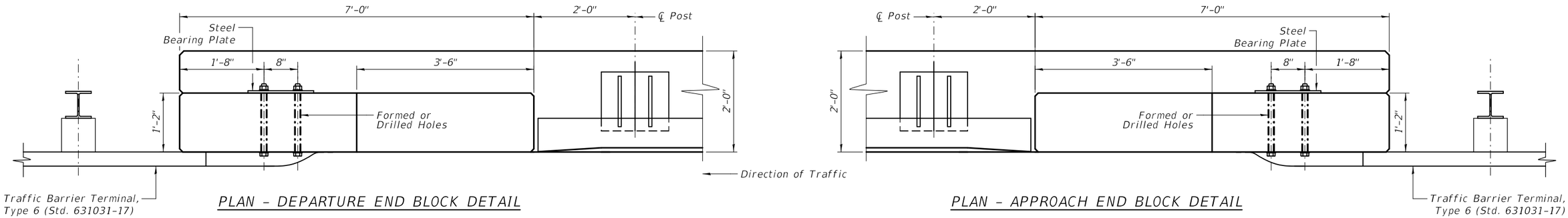
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	71
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



ELEVATION AT TERMINAL

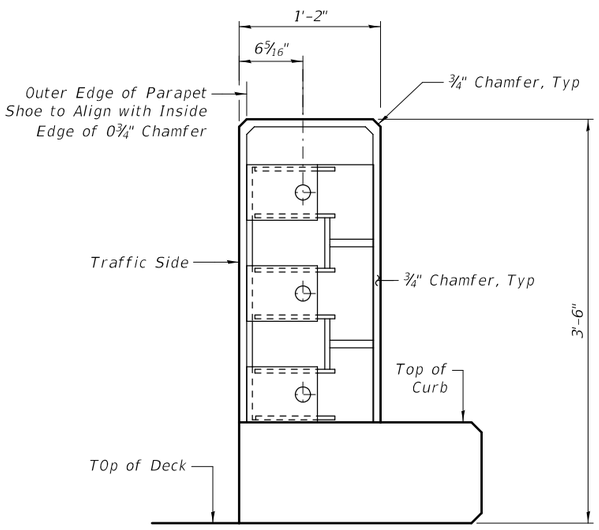
STANDARD SPLICE

ELEVATION AT TERMINAL



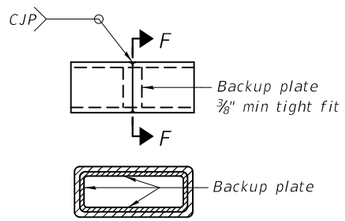
PLAN – DEPARTURE END BLOCK DETAIL

PLAN – APPROACH END BLOCK DETAIL



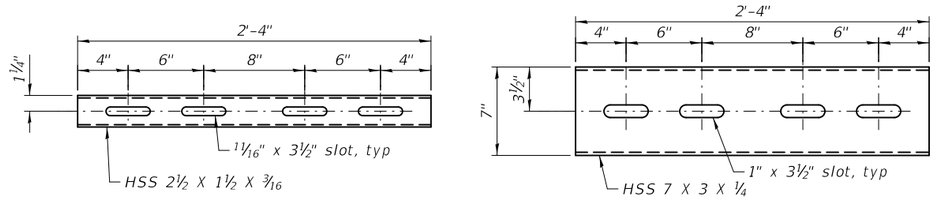
SECTION M-M

Bridge railing not shown for clarity.



SECTION F-F

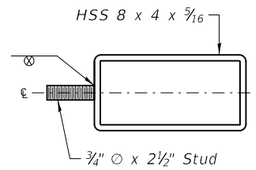
ALTERNATE TUBE
WELDED STANDARD SPLICE



STANDARD SLEEVES DETAILS

Notes.

1. Anchor bolts must be ⅞" Dia and ASTM F1554 Grade 105 fully threaded rods with heavy hex nut and one hardened washer (1¾" OD) each. Embed threaded rods 8" into concrete anchor block with Drill and Bond (Chemical Adhesive) anchorage system.
2. Drill and Bond (Chemical Adhesive) anchorages are subjected to approval of Engineer. Installation procedure must comply with manufacturer's instructions.



RAIL SECTION AT POST

BILL OF MATERIAL

Item	Unit	Total
Steel Railing (Special)	Foot	220

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ENGINEERING RESOURCE ASSOCIATES

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		CHECKED - M. LANGE		REVISED -	
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PLOT DATE = 2/20/2026		CHECKED - M. LANGE		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING DETAILS
STRUCTURE NO. 056-9142

SHEET S10 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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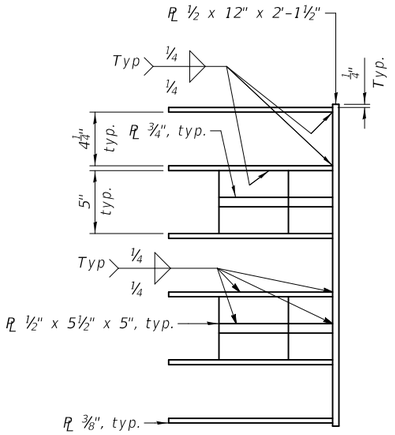
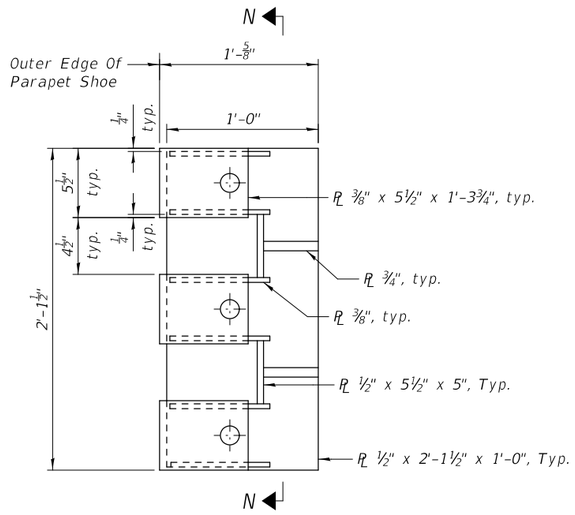
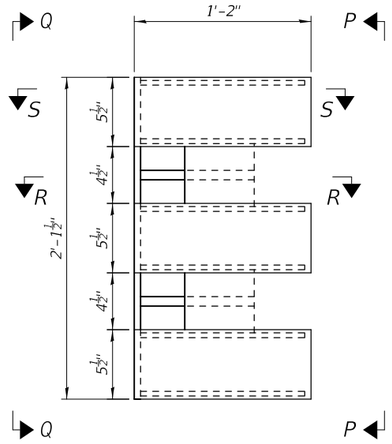
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



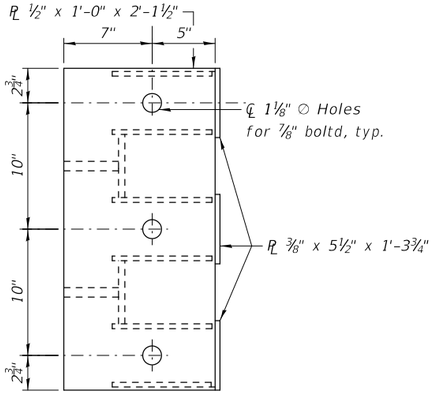
SECTION N-N



VIEW P-P



PARAPET SHOE ELEVATION



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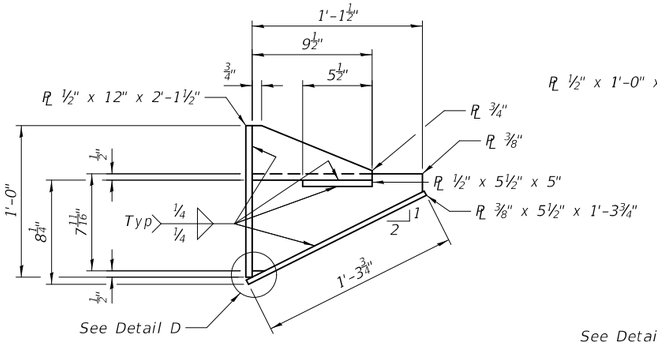
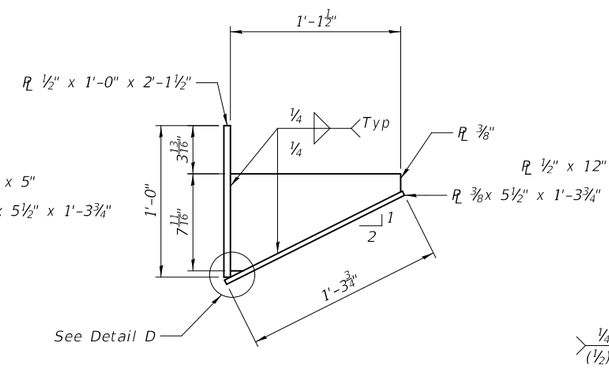


SECTION R-R



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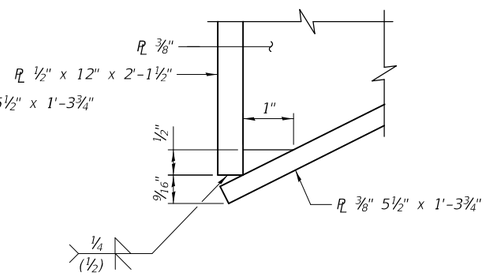
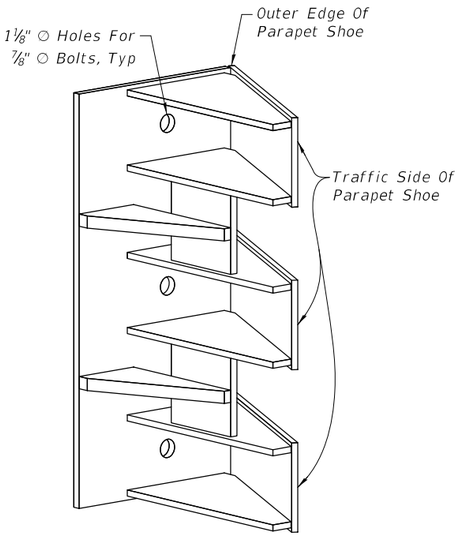


DETAIL D



ISOMETRIC VIEW

Isometric rear view
mirrored to show more details.

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	
	CHECKED - M. LANGE	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING DETAILS
STRUCTURE NO. 056-9142
SHEET S11 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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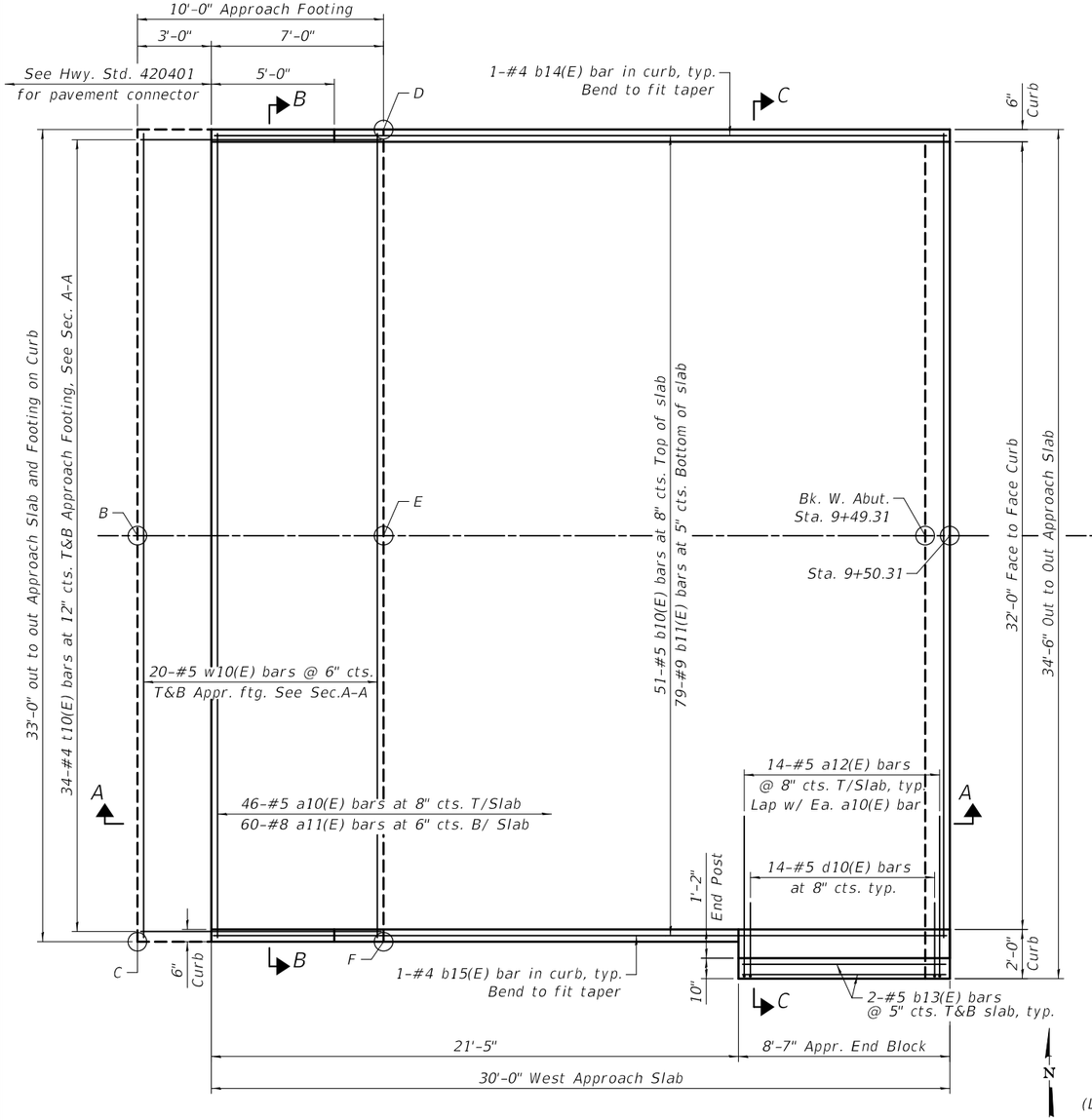
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



West Approach				
Point	Station	Offset	Top	Bottom
A	9+17.31	16.5' Lt.	776.59	775.75
B	9+17.31	0.00	776.92	776.08
C	9+17.31	16.5' Rt.	776.59	775.75
D	9+27.81	16.5' Lt.	776.38	775.55
E	9+27.81	0.00	776.71	775.88
F	9+27.81	16.5' Rt.	776.38	775.55

Note:
* Field cut as necessary for reduced footing at Moment Slab

East Approach				
Point	Station	Offset	Top	Bottom
A	10+71.22	16.3' Lt.	772.90	772.06
B	10+71.22	0.00	773.22	772.39
C	10+71.22	16.5' Rt.	772.89	772.06
D	10+78.22	16.3' Lt.	772.71	771.88
E	10+78.22	10.0' Lt.	772.84	772.01
F	10+81.22	10.0' Lt.	772.76	771.93
G	10+81.22	0.00	772.78	771.95
H	10+81.22	16.5' Rt.	772.45	771.62

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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	APPROACH SLAB PLAN STRUCTURE NO. 056-9142
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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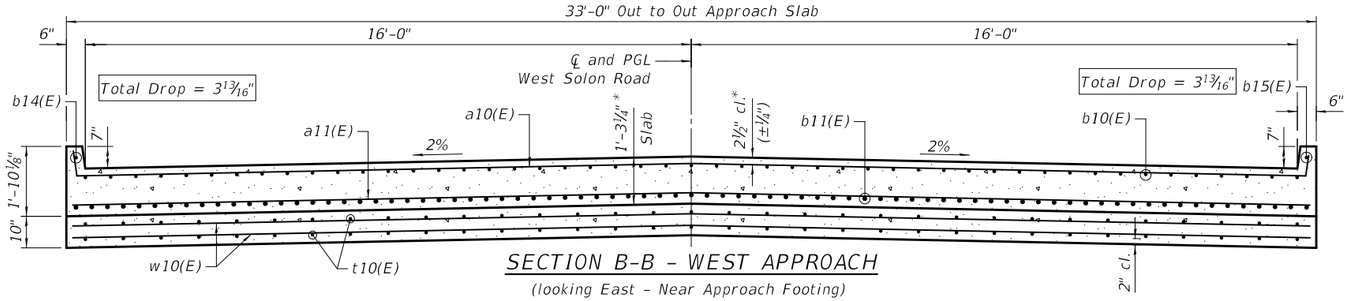
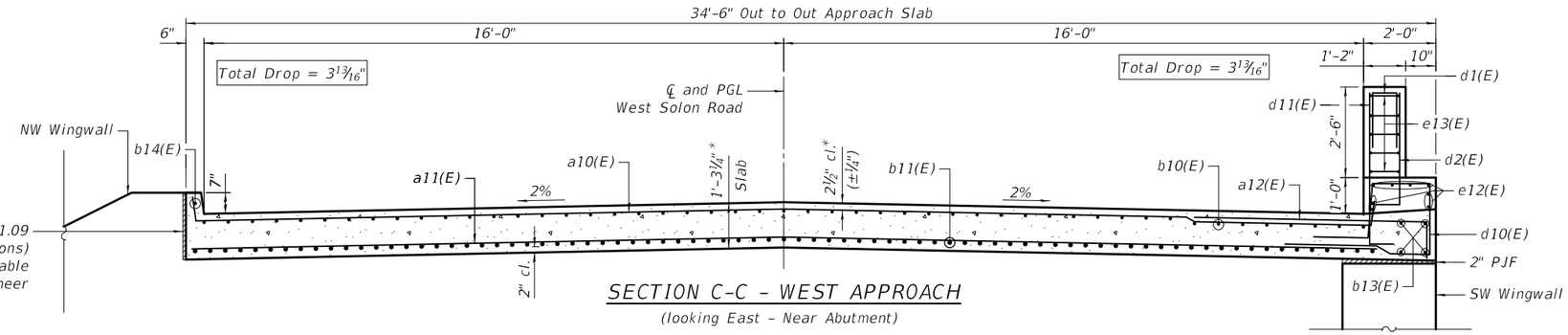
* prior to grading



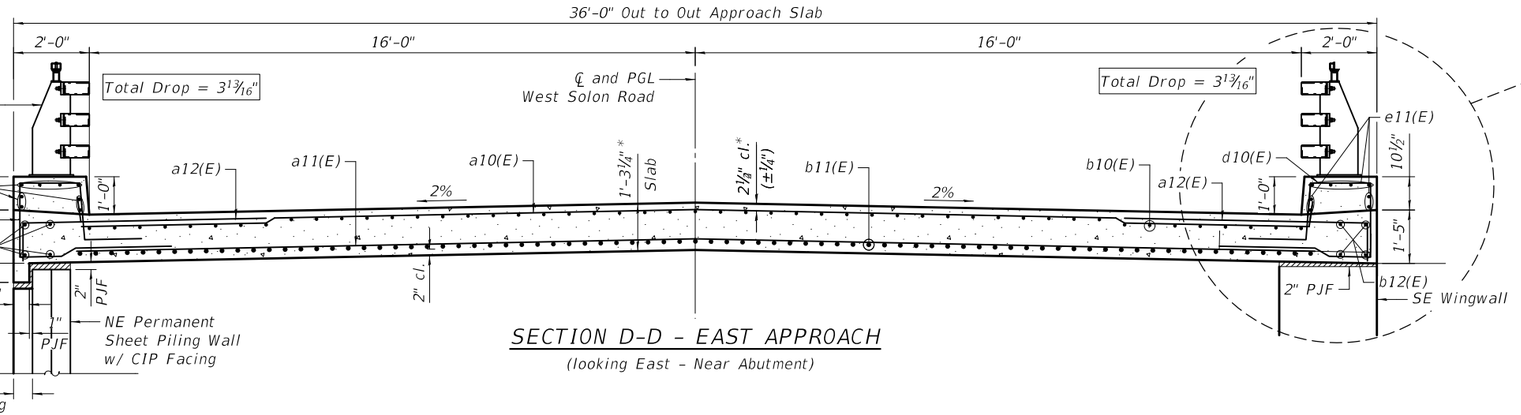
SECTION B-B - WEST APPROACH

(looking East - Near Approach Footing)



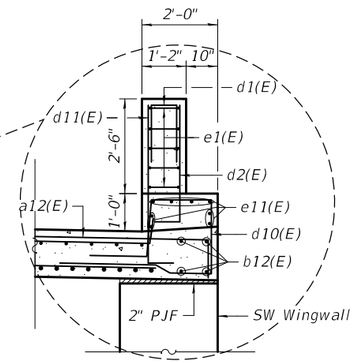
SECTION C-C - WEST APPROACH

(looking East - Near Abutment)

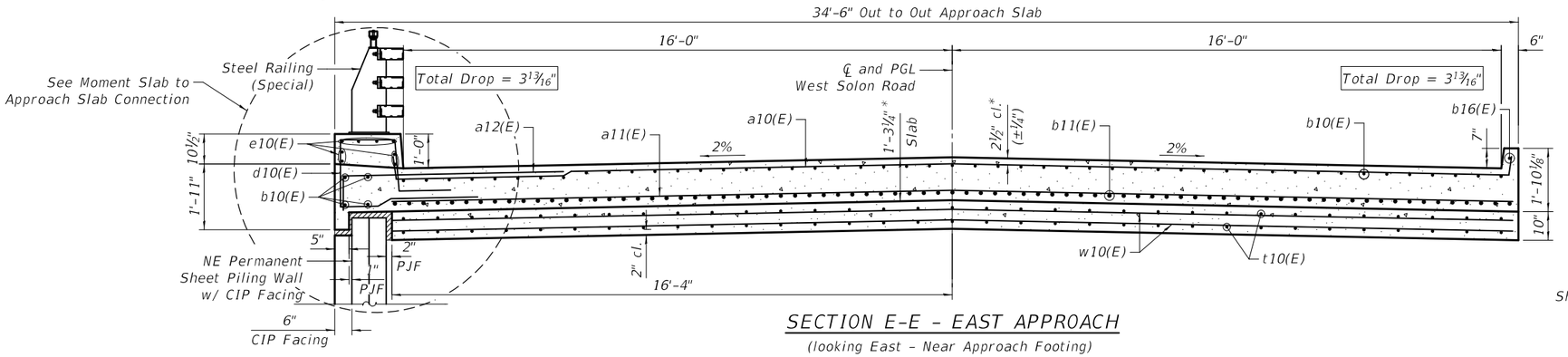


SECTION D-D - EAST APPROACH

(looking East - Near Abutment)

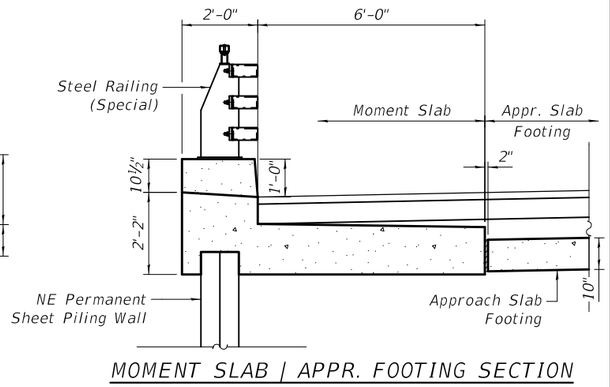


AT SE END POST



SECTION E-E - EAST APPROACH

(looking East - Near Approach Footing)



MOMENT SLAB | APPR. FOOTING SECTION

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2/20/2026 11:25:45 AM

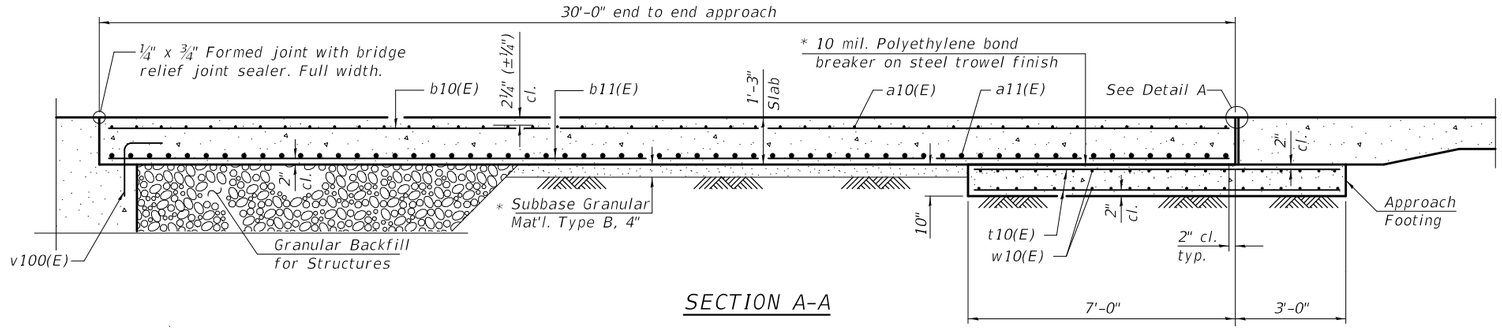
ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -		
		CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 8:0.0000 ':' / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		

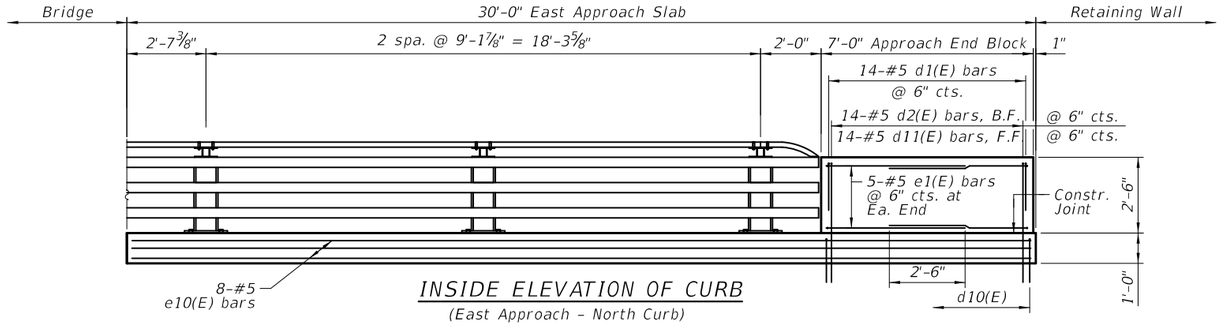
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS I
STRUCTURE NO. 056-9142
SHEET S13 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	75
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

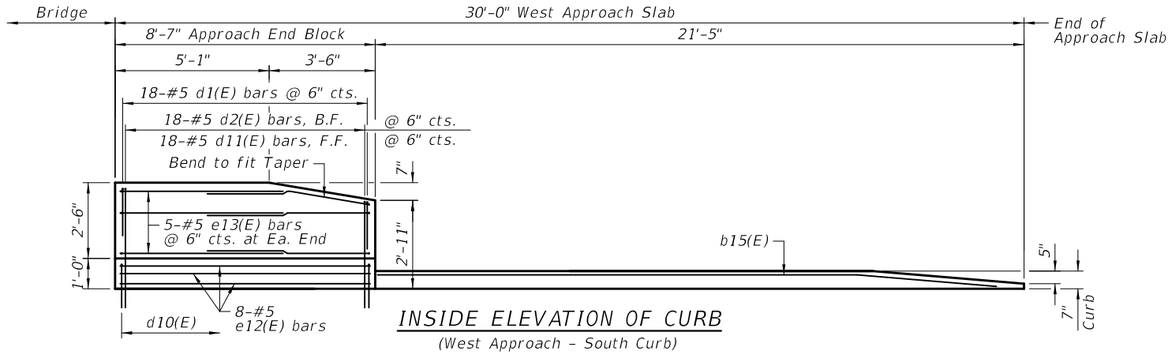


SECTION A-A



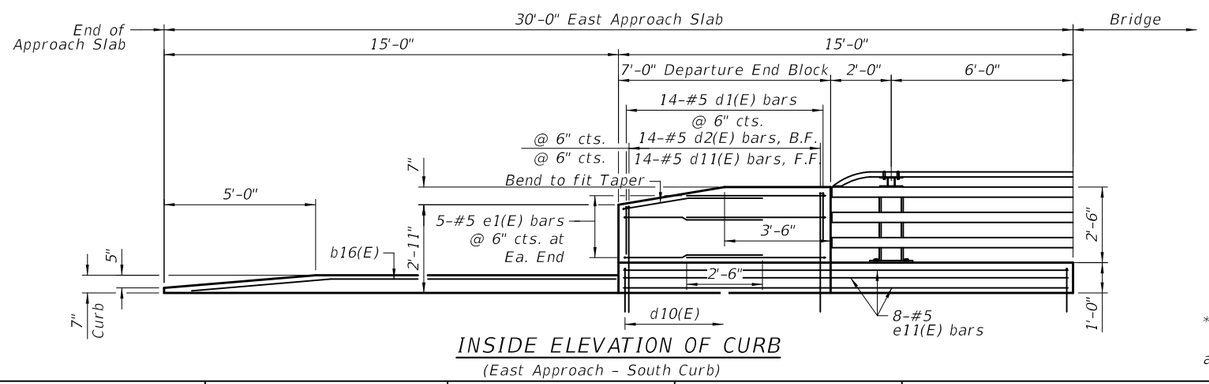
INSIDE ELEVATION OF CURB

(East Approach - North Curb)



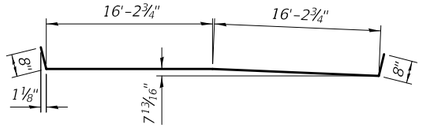
INSIDE ELEVATION OF CURB

(West Approach - South Curb)

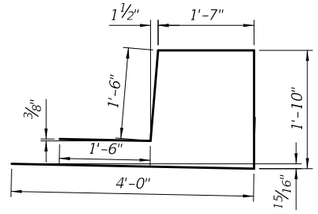


INSIDE ELEVATION OF CURB

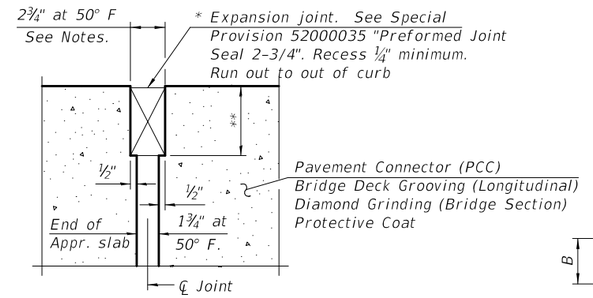
(East Approach - South Curb)



BAR a10(E)



BAR d10(E)



DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations
Connector pavement shall have the same treatment as the bridge and approach slab

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.

Curb concrete under railing shall be paid for as Concrete Superstructure.

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.

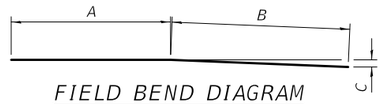
For Granular Backfill for Structures and drainage treatment details, see sheet S2 .

For railing details, see sheet of .

TWO APPROACHES
BILL OF MATERIAL

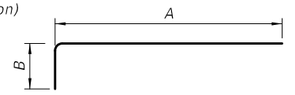
Bar	No.	Size	Length	Shape
a10(E)	92	#5	33'-10"	
a11(E)	120	#8	32'-8"	
a12(E)	83	#5	7'-6"	
b10(E)	106	#5	29'-8"	
b11(E)	158	#9	29'-8"	
b12(E)	4	#5	14'-8"	
b13(E)	4	#5	8'-3"	
b14(E)	1	#4	29'-8"	
b15(E)	1	#4	21'-1"	
b16(E)	1	#4	14'-8"	
d1(E)	46	#5	3'-10"	
d2(E)	46	#5	3'-9"	
d10(E)	91	#5	10'-5"	
d11(E)	46	#5	4'-10"	
e1(E)	20	#5	10'-0"	
e10(E)	8	#5	29'-8"	
e11(E)	8	#5	14'-8"	
e12(E)	8	#5	8'-3"	
e13(E)	10	#5	11'-8"	
t10(E)	136	#4	9'-8"	
w10(E)	80	#5	32'-8"	

Item	Unit	Quantity
Concrete Structures	Cu. Yd.	20.0
Concrete Superstructure	Cu. Yd.	6.0
Protective Coat	Sq. Yd.	255
Concrete Superstructure (Approach Slab)	Cu. Yd.	98.0
Reinforcement Bars, Epoxy Coated	Pound	39,680
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	214
Steel Railing (Special)	Foot	31
Diamond Grinding (Bridge Section)	Sq. Yd.	187



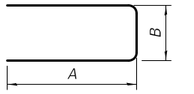
FIELD BEND DIAGRAM

Bar	A	B	C
a11(E)	16'-4"	16'-4"	7 13/16"
w10(E)	16'-4"	16'-4"	7 13/16"



FIELD BEND DIAGRAM

Bar	A	B
a12(E)	6'-6"	1'-0"
d2(E)	3'-1"	8"
d11(E)	4'-2"	8"



FIELD BEND DIAGRAM

Bar	A	B
d1(E)	1'-6"	10"
e1(E)	4'-7"	10"
e13(E)	5'-5"	10"

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ENGINEERING RESOURCE ASSOCIATES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS II
STRUCTURE NO. 056-9142
SHEET S14 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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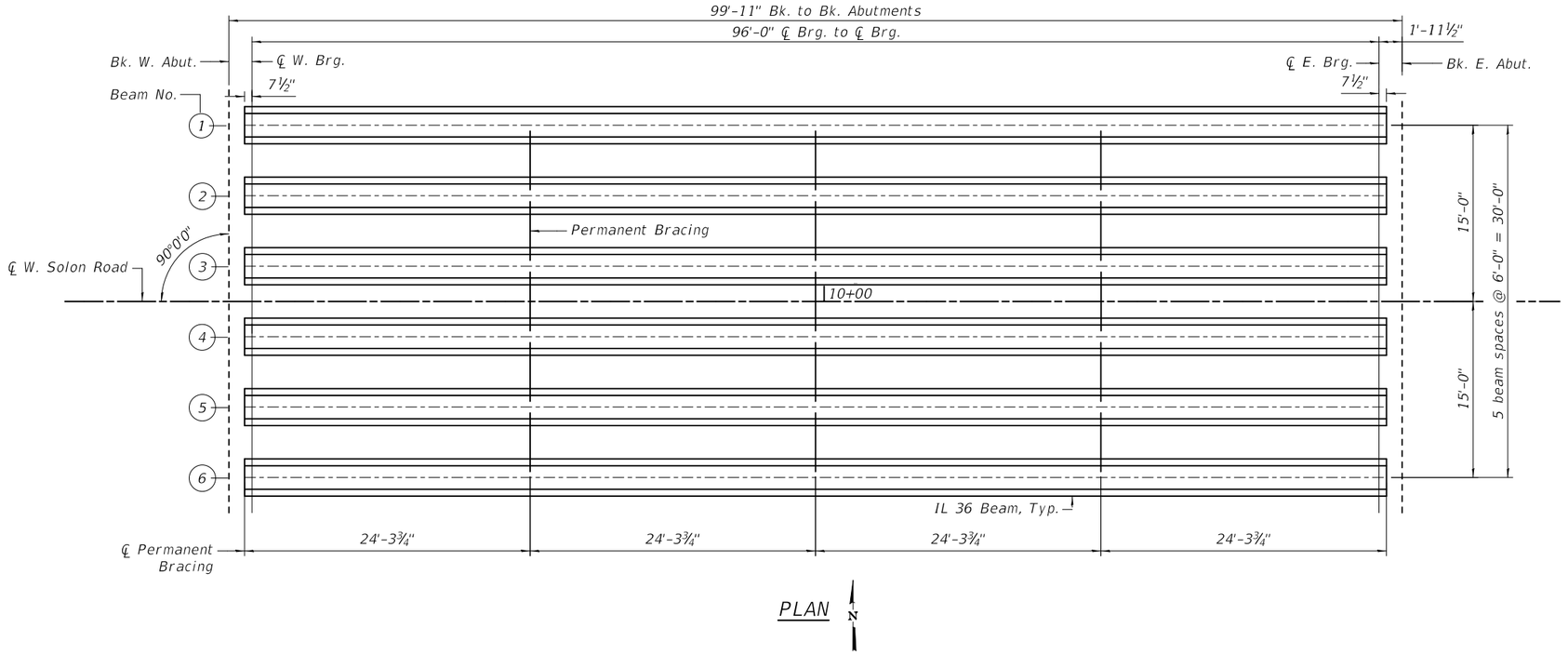
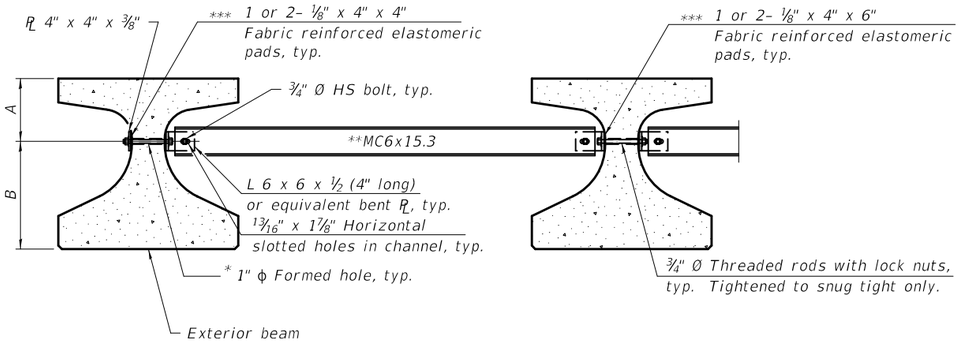
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



PLAN



Notes:

All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.

Two hardened washers are required for each set of oversized holes.

All holes shall be 15/16" Ø unless otherwise noted.

5/16" x 3" x 3" plate washers are required over all slotted holes.

All bolts, threaded rods, and hardware shall be galvanized according to AASHTO M232.

Threaded rods shall be ASTM F 1554 Grade 55.

Bracing shall be installed as beams are erected and tightened as soon as possible during erection.

Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Beams.

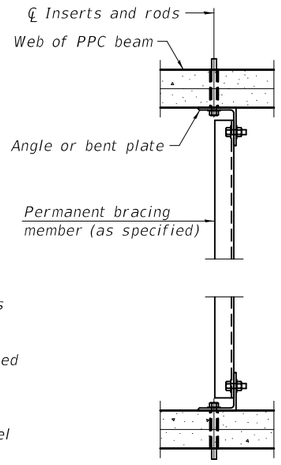
Beam	A	B
IL36	1'-1¼"	1'-10¾"

* Fabricator shall locate to miss strands within permissible tolerances.

** Alternate MC6x18 channels are permitted to facilitate material acquisition.

*** Place pads as necessary to provide a flat mounting surface between the steel and concrete.

PERMANENT BRACING DETAILS



PLAN

(When 90° bracing is specified)

INTERIOR BEAM MOMENT TABLE		
		0.5 Sp. 1
I	(in^4)	100,433
I'	(in^4)	275,303
S_b	(in^3)	6,832
S_b'	(in^3)	11,437
S_t	(in^3)	4,715
S_t'	(in^3)	23,077
$DC1$	(k/')	1.43
M_{DC1}	('k)	1,647.4
$DC2$	(k/')	0.14
M_{DC2}	('k)	161.3
DW	(k/')	0.30
M_{DW}	('k)	345.6
$LLDF$	('k)	0.550
M_{L+IM}	('k)	1,465.2

INTERIOR BEAM REACTION TABLE		
		Abutments
$LLDF$	(k)	0.671
OCF	(k)	1.00
R_{DC1}	(k)	69.1
R_{DC2}	(k)	6.5
R_{DW}	(k)	14.4
R_{L+IM}	(k)	78.6
R_{Total} (Strength I)(Impact)	(k)	253.6
R_{Total} (Strength I)(No Impact)	(k)	228.5

I: Non-composite moment of inertia of beam section ($in.^4$).
I': Composite moment of inertia of beam section ($in.^4$).
S_b: Non-composite section modulus for the bottom fiber of the prestressed beam ($in.^3$).
S_b': Composite section modulus for the bottom fiber of the prestressed beam ($in.^3$).
S_t: Non-composite section modulus for the top fiber of the prestressed beam ($in.^3$).
S_t': Composite section modulus for the top fiber of the prestressed beam ($in.^3$).
$DC1$: Un-factored non-composite dead load (kips/ft.).
M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
$DC2$: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft).
$LLDF$: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
OCF: Obtuse Correction Factor computed according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.
R_{DC1}: Un-factored reaction due to non-composite dead load (kip).
R_{DC2}: Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
R_{DW}: Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
R_L: Un-factored live load reaction (kip).
R_{IM}: Un-factored dynamic load allowance (impact) (kip).
R_{Total} (Strength I)(Impact): Total factored reaction including dynamic load allowance (impact) (kip).
R_{Total} (Strength I)(No Impact): Total factored reaction not including dynamic load allowance (impact) (kip).

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
STRUCTURE NO. 056-9142
SHEET S15 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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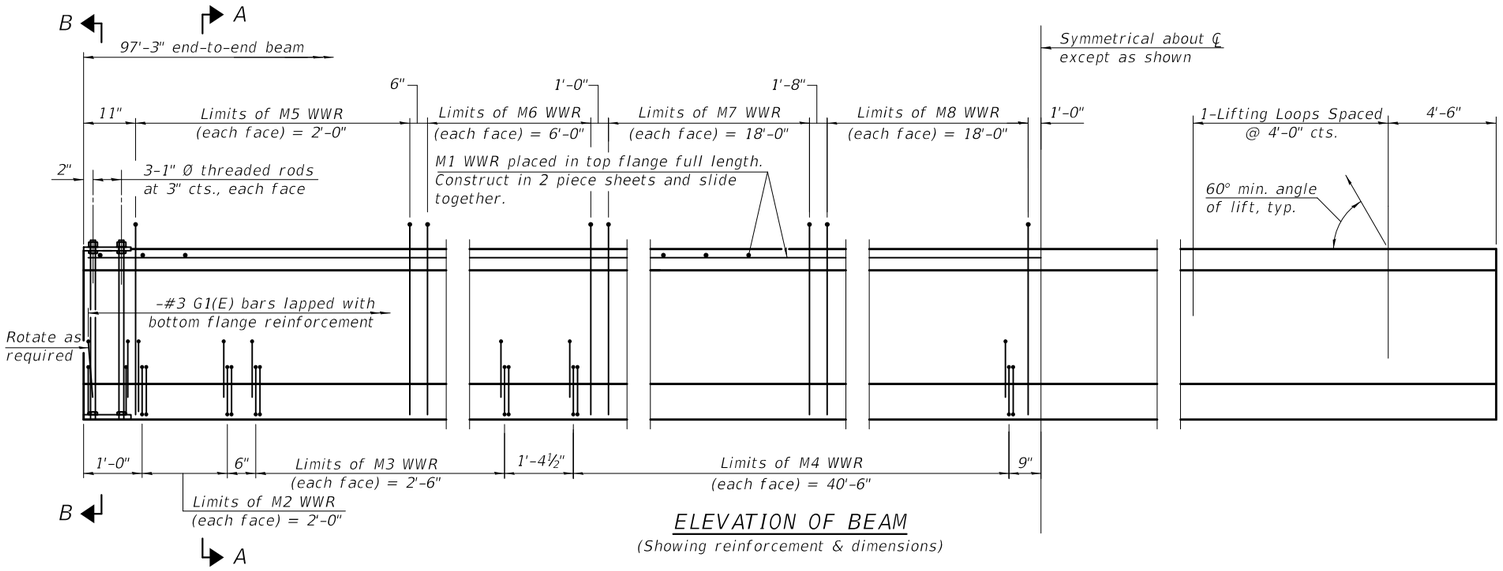
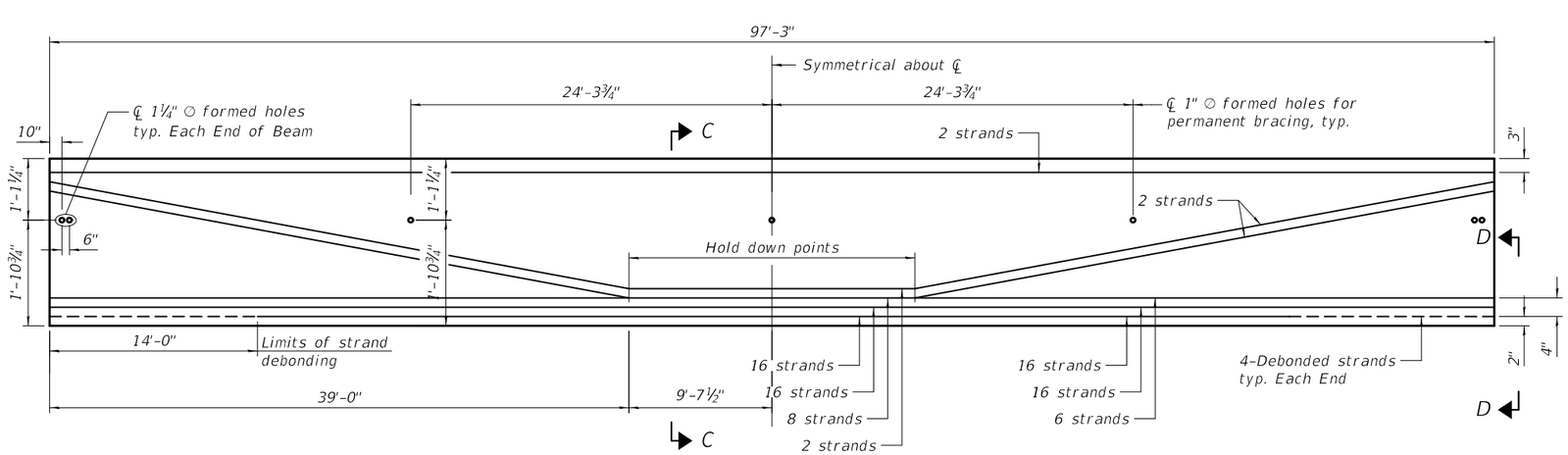
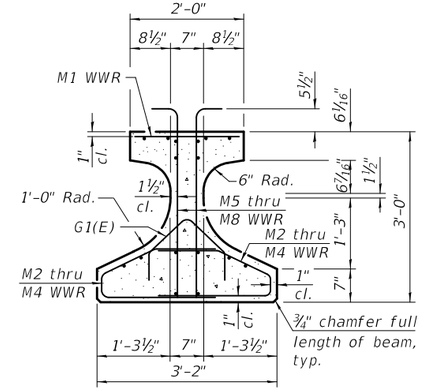
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



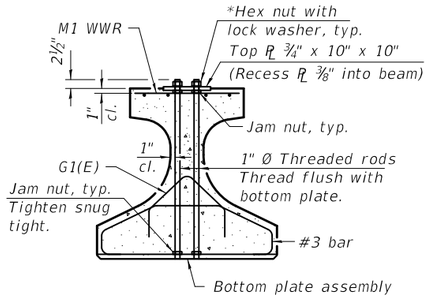
ELEVATION OF BEAM
(Showing reinforcement & dimensions)



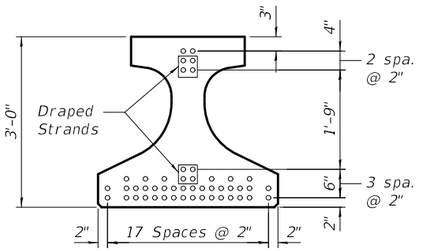
ELEVATION OF BEAM
(Showing prestressing steel)
IL36-2438-42B-2T-4db-4d



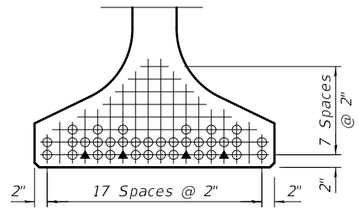
SECTION A-A



SECTION B-B
*Only tighten sufficiently to
compress lock washers



SECTION C-C
(44-0.6" Ø 270 ksi strands)
42B-2T-4db-4d



VIEW D-D

○ Fully bonded strand

▲ Partially debonded strand

IL36-2438 8-13-2021

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL36N BEAM STRUCTURE NO. 056-9142
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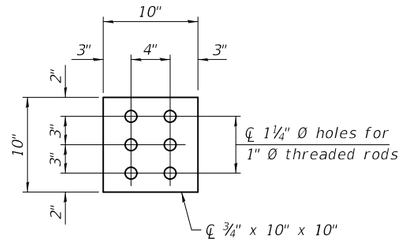
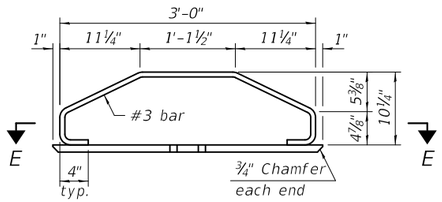
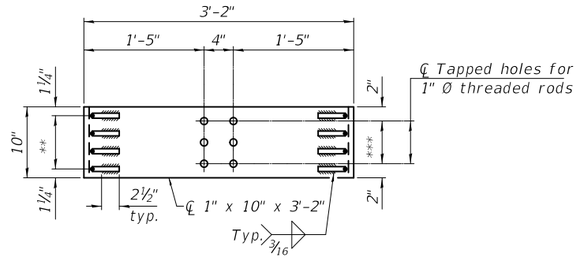


PLAN – TOP PLATE



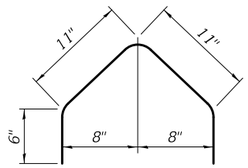
ELEVATION – BOTTOM PLATE ASSEMBLY



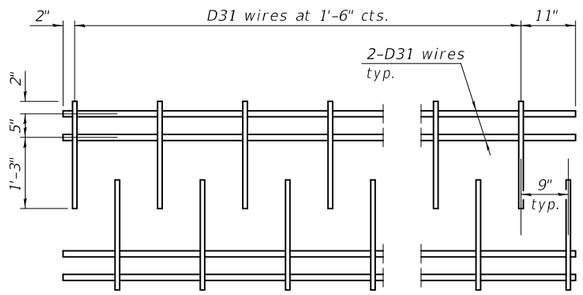
SECTION E-E

** 3 Spaces at 2½" = 7½"

*** 2 Spaces at 3" = 6"

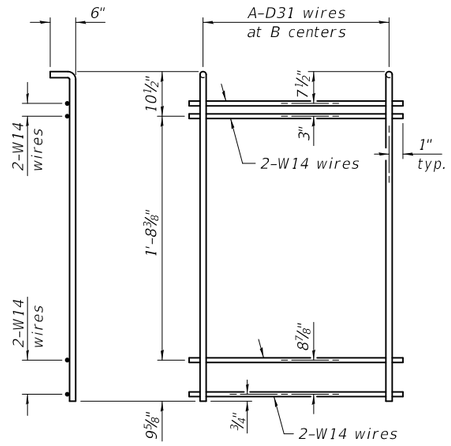


BAR G1(E)



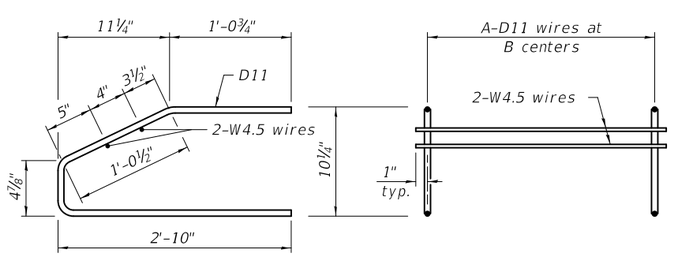
M1 WWR DETAIL

When multiple sheets of M1 WWR are required along the beam length, #5(E) bars (5'-0" long) shall be used to splice the longitudinal D31 wires together (Min. Lap 2'-4").



M5 THRU M8 WWR DETAIL

(See Table of Dimensions)



M2 THRU M4 WWR DETAIL

(See Table of Dimensions)

NOTES

Inserts for ¾" Ø threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter for beam strands shall be 0.6" and the nominal cross-sectional area shall be 0.217 sq. in. The minimum nominal diameter for lifting loops shall be ½" and the minimum nominal cross sectional area shall be 0.153 sq. in.

The beams shall have a final concrete compressive strength, f'c, of 8500 psi and a release concrete compressive strength, f'ci, of 6500 psi.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

Bend the extended strands inward on the fascia beams to maintain 1½" clearance inside the pier diaphragm.

The top and bottom plates shall be AASHTO M270 Grade 50.

The top plates and bottom plate assemblies shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.

Threaded rods shall be ASTM F 1554 Grade 55.

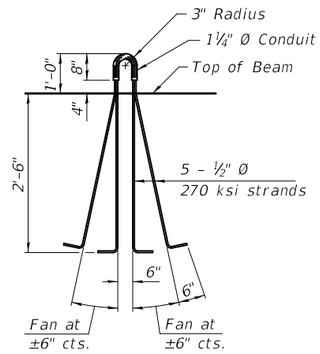
Welded Wire Reinforcement (WWR) shall conform to ASTM A884 with a Class A, Type 1 epoxy coating or ASTM A1060, Table 3 galvanized coating.

TABLE OF DIMENSIONS

(The WWR designs assume grade 60. If necessary, this permits the fabricator to directly substitute grade 60 rebar as detailed in the Manual for Fabrication of Precast Prestressed Concrete Products.)

SINGLE-SPAN

WWR	A	B
M2	9	3"
M3	6	6"
M4	28	1'-6"
M5	9	3"
M6	13	6"
M7	19	1'-0"
M8	10	2'-0"



LIFTING LOOP DETAIL

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Beams, IL36N	Ft.	583.5

IL36-2438D 07-11-2024

ENGINEERING RESOURCE ASSOCIATES

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PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -		SHEET S17 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	79
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

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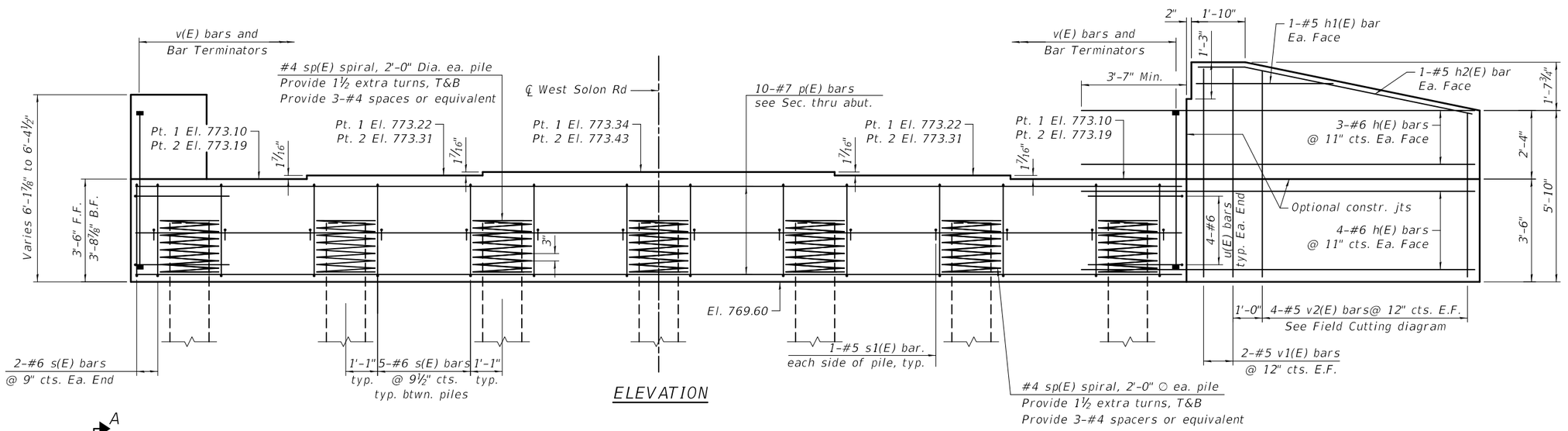
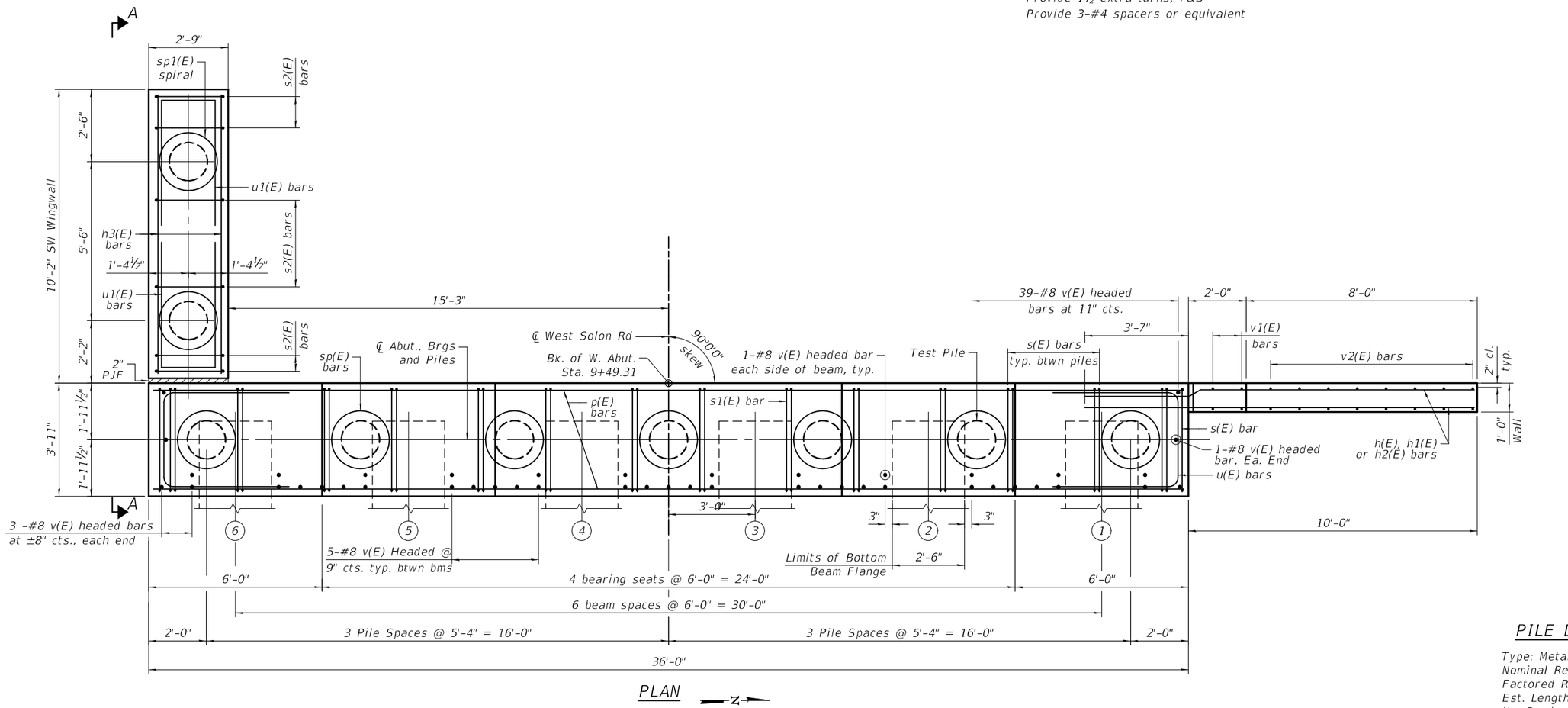


ELEVATION



PLAN

PILE DATA

Type: Metal Shell Pile 16" ∅ x 0.312"
Nominal Required Bearing: 465 k
Factored Resistance Available: 248 k
Est. Length: 55-ft (abut.), 58-ft (wingwall)
No. Production Piles: 6 (abut.), 2 (wingwall)
No. Test Piles: 1 (abut.)

MODEL: Default
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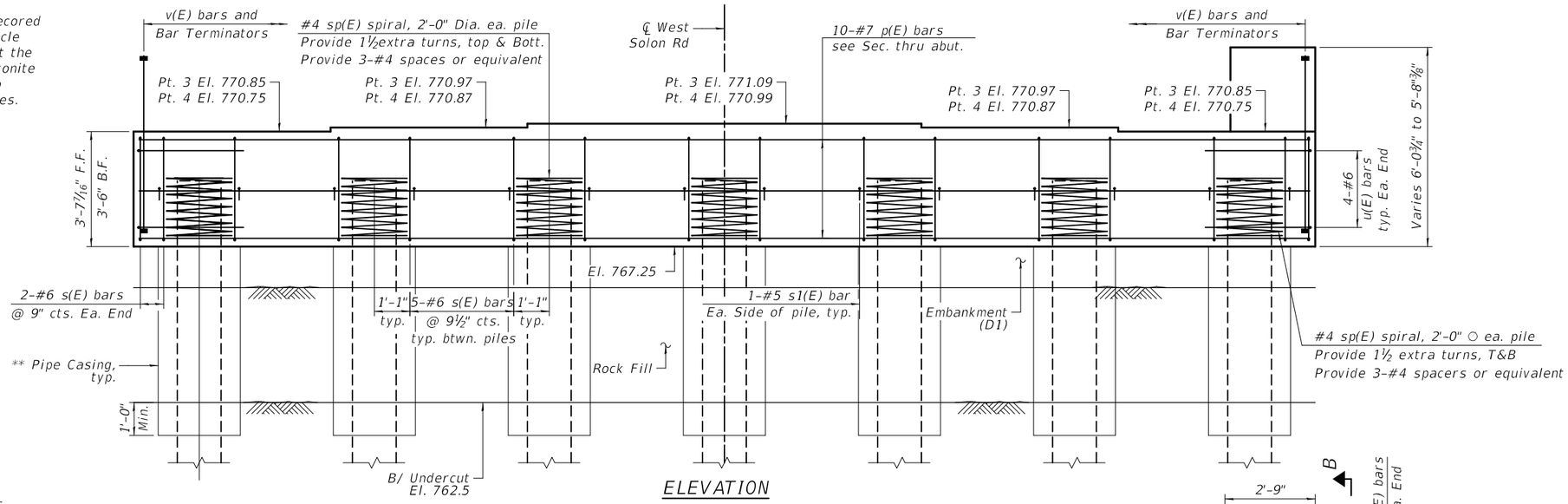
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

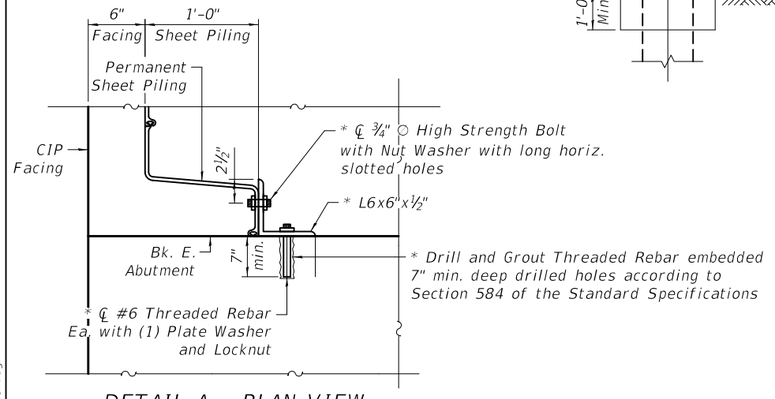
WEST ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 056-9142
SHEET S18 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	80
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

** Piles shall be driven through 30" diameter precored holes extending to elevation 761.5 according to Article 512.09(c) of the Standard Specifications except that the void space outside the pile shall be filled with bentonite according to the manufacturer's recommendations to achieve a Qu of 1.5 tsf. Cost included in driving piles.

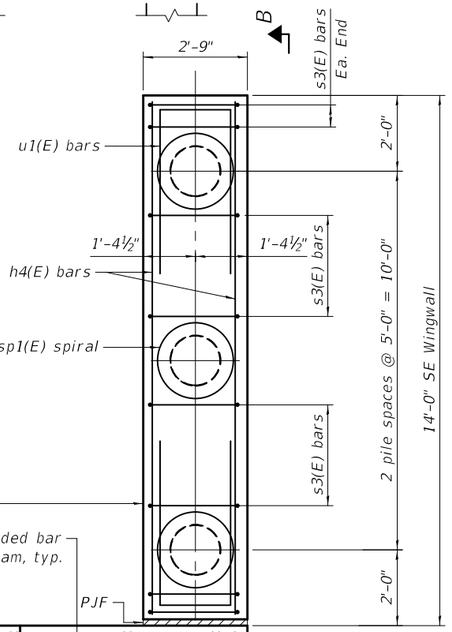


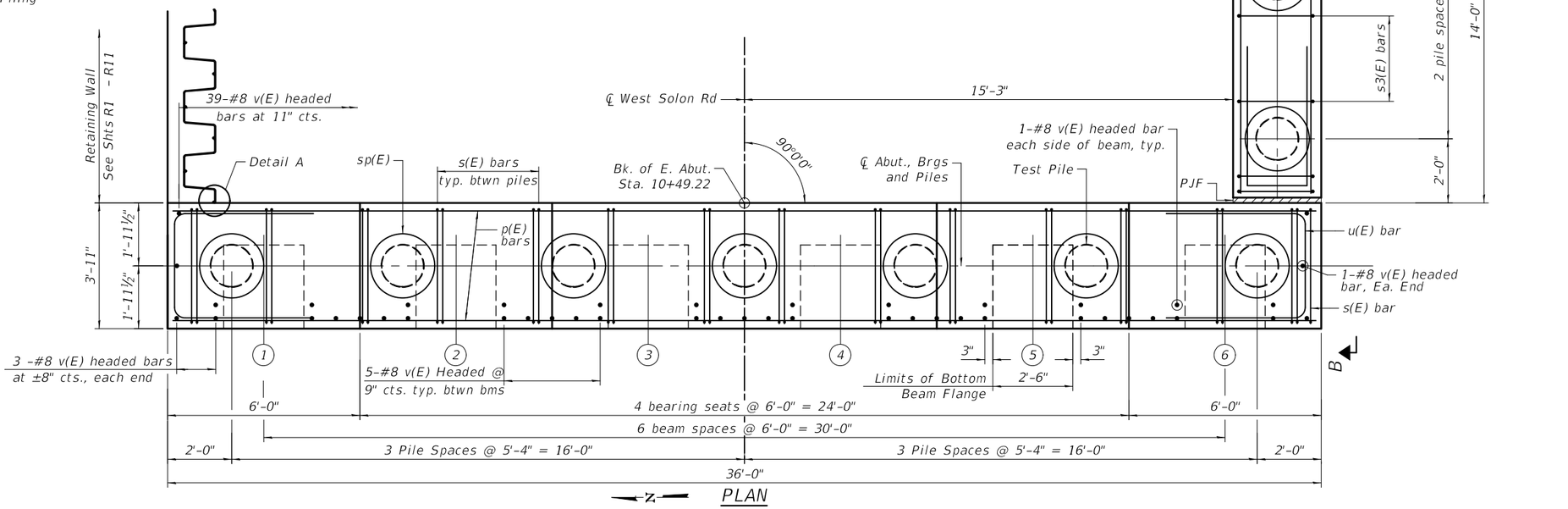
ELEVATION



DETAIL A - PLAN VIEW

* Included in the cost of Permanent Sheet Piling





PLAN

PILE DATA

Type: Metal Shell Pile 16" ∅ x 0.312"
Nominal Required Bearing: 465 k
Factored Resistance Available: 248 k
Est. Length: 55-ft (abut.), 58-ft (wingwall)
No. Production Piles: 6 (abut.), 3 (wingwall)
No. Test Piles: 1 (abut.)

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	
		CHECKED - M. LANGE	REVISED -	
	PLOT SCALE = 4:0.0000 ':" / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -	
	PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 056-9142

SHEET S19 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	81
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

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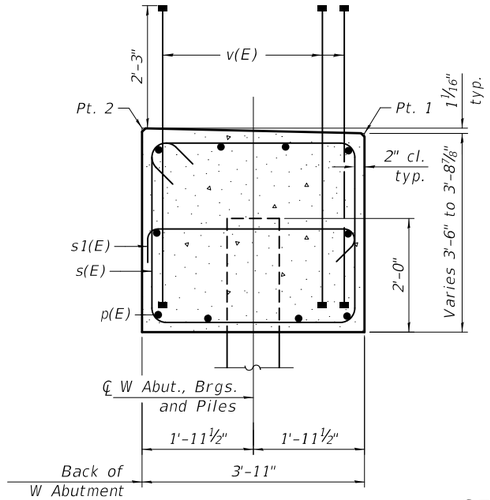
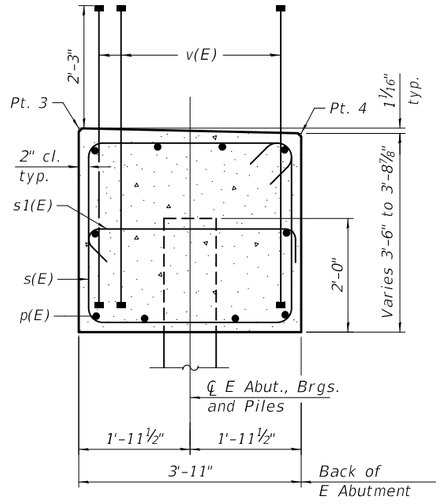
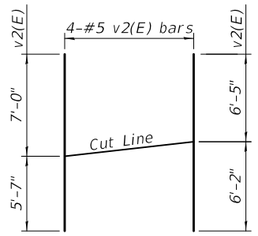
2/20/2026 11:25:50 AM



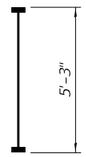


SEC. THRU ABUT.

(Looking North)

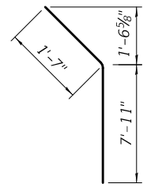


FIELD CUTTING DIAGRAM

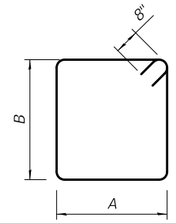


BAR v(E)

(Headed)

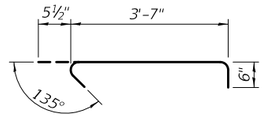


BAR h2(E)

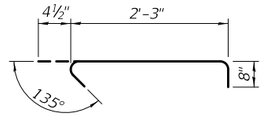


STIRRUP BARS

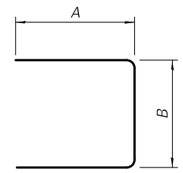
Bar	A	B
s(E)	3'-7"	3'-2"
s2(E)	2'-5"	5'-10"
s3(E)	2'-5"	5'-4"



BAR s1(E)



BAR s4(E)



U BARS

Bar	A	B
u(E)	4'-4"	3'-5"
u1(E)	4'-4"	2'-3"

BILL OF MATERIAL

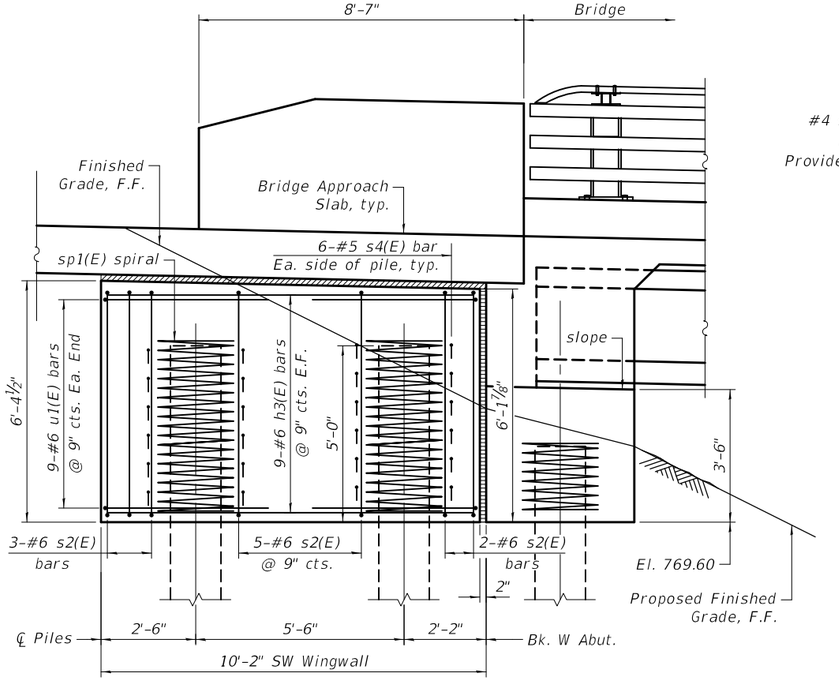
(2 abutments)

Bar	No.	Size	Length	Shape
h(E)	14	#6	13'-5"	
h1(E)	2	#5	4'-8"	
h2(E)	2	#5	9'-6"	
h3(E)	18	#6	9'-8"	
h4(E)	16	#6	13'-6"	
p(E)	20	#7	35'-8"	
s(E)	68	#6	14'-10"	
s1(E)	28	#5	4'-7"	
s2(E)	10	#6	17'-10"	
s3(E)	14	#6	16'-10"	
s4(E)	60	#4	3'-4"	
sp(E)	14	#4	2'-0"	
sp1(E)	5	#4	5'-0"	
u(E)	16	#6	12'-1"	
u1E)	34	#6	10'-11"	
v(E)	168	#8	5'-3"	
v1(E)	4	#5	7'-1"	
v2(E)	8	#5	12'-7"	

Item	Unit	Quantity
Structure Excavation	Cu. Yd.	70.0
Concrete Structures	Cu. Yd.	54.0
Protective Coat	Sq. Yd.	24
Reinforcement Bars, Epoxy Coated	Pound	8,140
Furnishing Metal Shell Piles, 16" x 0.312"	Foot	950
Driving Piles	Foot	950
Test Pile Metal Shells	Each	2
Pile Shoes	Each	19
Granular Backfill for Structures	Cu. Yd.	108
Geocomposite Wall Drain	Sq. Yd.	76
Pipe Underdrains for Structures, 4"	Foot	139
Bar Terminators	Each	336

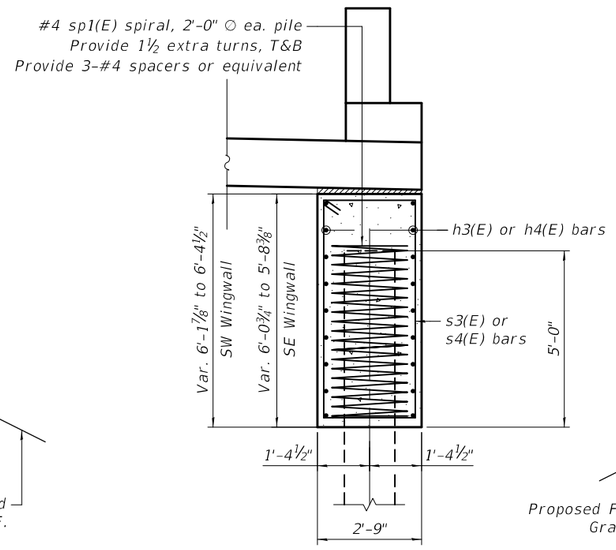
Notes:

1. Pour steps monolithically with cap.
2. For details of piles see sheet S21
3. Bar terminators are paid for separately
4. Headed bars shall conform to ASTM A970 with Threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706.

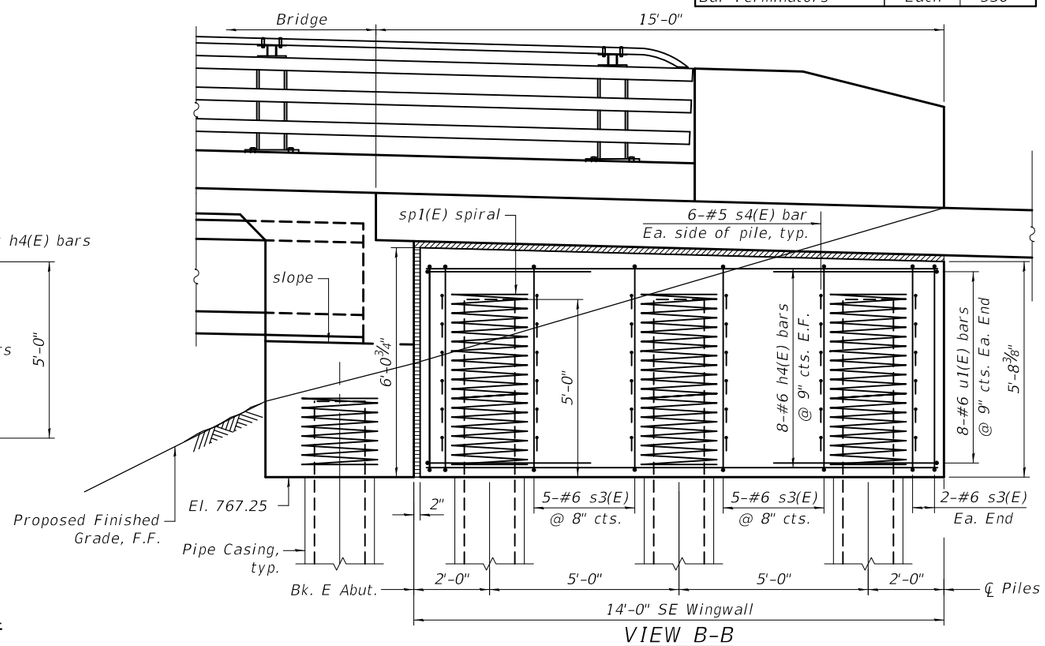


VIEW A-A

Southwest Wingwall



SECTION THRU WINGWALL



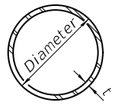
VIEW B-B

Southeast Wingwall

ENGINEERING RESOURCE ASSOCIATES

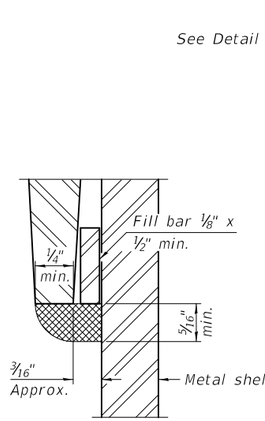
USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ABUTMENT DETAILS STRUCTURE NO. 056-9142
		CHECKED - M. LANGE	REVISED -		SHEET S20 OF S36 SHEETS
PLOT SCALE = 4:0.0000 ':" / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	82
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

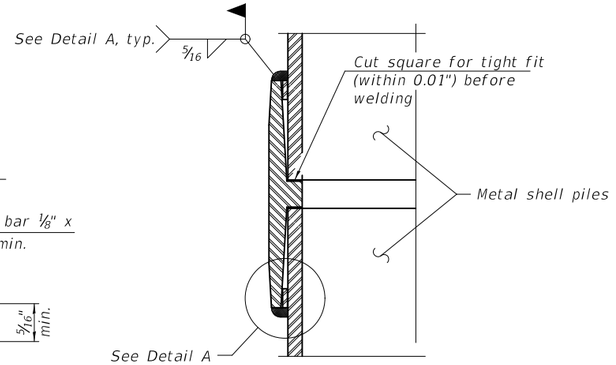


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470

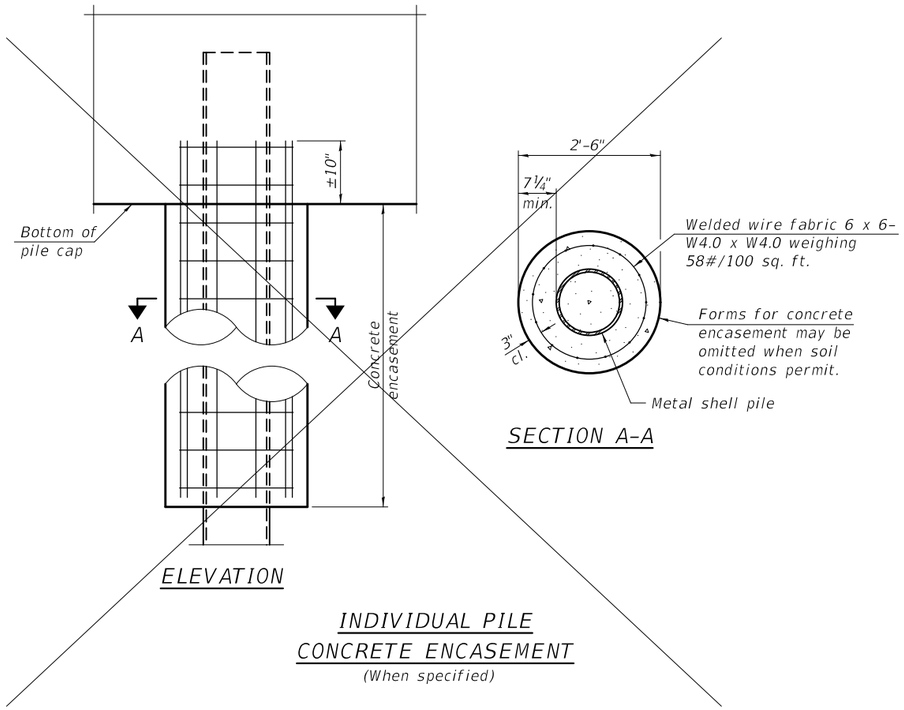


DETAIL A



WELDED COMMERCIAL SPLICE

Notes:
The ⅛" x ½" min. fill bar may be constructed of 2 bars with a ⅛" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

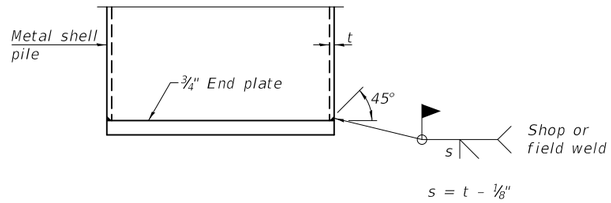


ELEVATION

SECTION A–A

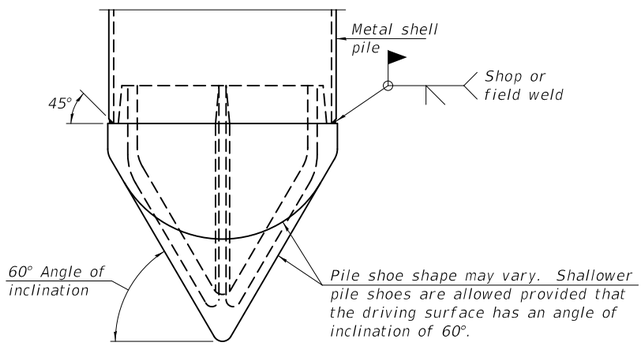
INDIVIDUAL PILE CONCRETE ENCASEMENT

(When specified)



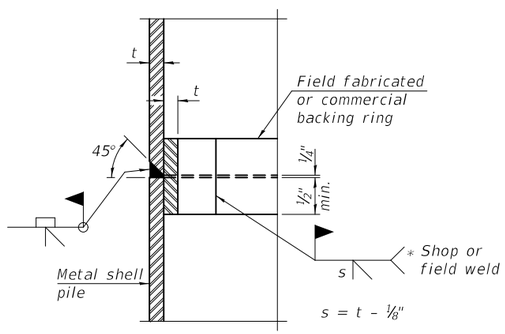
s = t – ⅛"

END PLATE ATTACHMENT



PILE SHOE ATTACHMENT

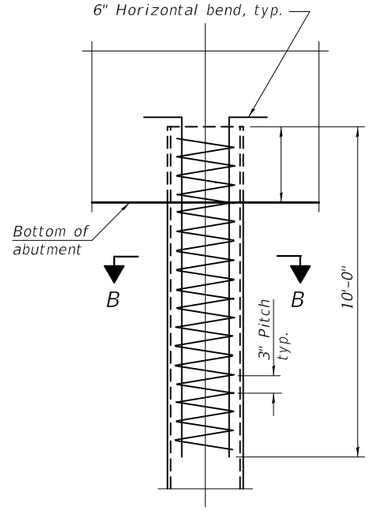
(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80–50 or AASHTO M 103 Grade 65–35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



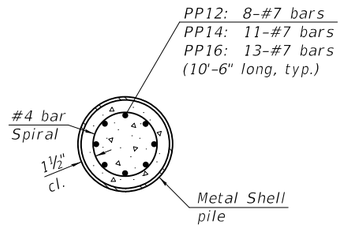
s = t – ⅛"

COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS

(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS 2-1-2023

MODEL: Default
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\SS10_04_Structural\03_Sheet\0569142-W23301-S21- Metal Shell Piles.dgn

2/20/2026 11:25:52 AM

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	
		CHECKED - M. LANGE	REVISED -	
	PLOT SCALE = 20:0.0000 ':' / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -	
	PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METAL SHELL PILE DETAILS
STRUCTURE NO. 056-9142
SHEET S21 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	83
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

P2-SB-01

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG SB-01

WEI Job No.: KE225178

Client: **Engineering Resource Associates, Inc.**
Project: **West Solon Road -Phase II**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 775.59 ft
North: 2102953.13 ft
East: 994228.94 ft
Station: 9+07.93
Offset: 5.05 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	774.9	8-inch thick ASPHALT --PAVEMENT--						
	774.6	4-inch thick, brown SANDY GRAVEL --FILL--				4		
		Hard, brown CLAY LOAM, trace gravel; moist --FILL--			1	4 7 7	> 4.50 P	11
	772.6	--RDR 2--						
		Stiff to very stiff, brown CLAY to SILTY CLAY, trace gravel; moist --RDR 2-- --Organic Content=3.2%-- --L_L(%)=39, P_L(%)=18-- --%Gravel=1.1-- --%Sand=3.0-- --%Silt=45.9-- --%Clay=50.0-- --A-6 (21)--	5		2	7 6 9	1.50 P	24
					3	3 4 6	2.46 B	25
	766.1	Medium dense, brown and grayish brown SILT, trace gravel; moist to wet --RDR 2--	10		4	3 7 6	2.13 B	23
					5	4 5 7	NP	21
	761.1	Loose to dense, brown SAND to	15		6	4 6 9	NP	21

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		SANDY LOAM, trace to some gravel; saturated --RDR 2--			7	3 4 8	NP	18
		--sand started heaving, flushed hole--	20		8	1 1 6	NP	26
					9	48 12 11	NP	6
		--clay seam--	25		10	22 10 9	NP	12
					11	11 17 16	NP	19
		--large gravel--			12	6 5 5	NP	25
	745.6	Boring terminated at 30.00 ft	30					

GENERAL NOTES

Begin Drilling: **03-01-2024** Complete Drilling: **03-01-2024**
Drilling Contractor: **Wang Testing Services** Drill Rig: **20D50T [80%]**
Driller: **RH&JD** Logger: **A. Scifers** Checked by: **C. Marin**
Drilling Method: **2.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **9.50 ft**
At Completion of Drilling: **18 wash**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE225178.GPJ WANGENG.GDT 5/9/24

MODEL: Default
FILE NAME: H:\McHenryCounty\W223301.00 West Solon Phase II\CADD\SS10_04_Structural\03_Sheet\0569142-W223301-S22 - Soil Borings 1.dgn

2/20/2026 11:25:53 AM

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - M. LANGE	REVISED -	
	PLOT SCALE = 20:0.0000 ':' / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -	
	PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

SOIL BORING LOGS
STRUCTURE NO. 056-9142
SHEET S22 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	84
			CONTRACT NO. 61L86	
		ILLINOIS	FED. AID PROJECT	

P2-SB-02

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG SB-02

WEI Job No.: KE225178

Client: Engineering Resource Associates, Inc.
Project: West Solon Road -Phase II
Location: McHenry County, Illinois

Datum: NAVD 88
Elevation: 770.40 ft
North: 2102953.22 ft
East: 994423.83 ft
Station: 11+2.80
Offset: 5.31 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	769.7	9-inch thick ASPHALT --PAVEMENT--						
		Stiff, brown Gravelly SANDY LOAM, little gravel; moist --AGGREGATE BASE-- --L_L(%)=27, P_L(%)=12-- --%Gravel=32.5-- --%Sand=41.8-- --%Silt=17.5-- --%Clay=8.0-- --A-2-6 (1)--			1	5 4 6	1.50 P	10
	767.4	Stiff, brown CLAY LOAM, little gravel; moist --FILL-- --RDR 2--	5		2	4 5 4	1.00 P	9
	764.2	Very loose, black SANDY LOAM, trace gravel; moist --Buried TOPSOIL-- --RDR 2-- --Organic Content=2.6%--			3	2 1 2	NP	26
	762.4	Medium dense, black to gray SAND SANDY LOAM, little gravel; saturated --RDR 2--	10		4	4 8 8	NP	24
		--gray--			5	3 4 7	NP	16
	758.5	Brown SILTY CLAY LOAM						
	757.4	Medium dense, brown, medium SAND, trace gravel; saturated --RDR 2--	15		6	6 10 11	NP	16
	754.2	Very stiff to hard, gray SILTY CLAY, trace gravel; moist --RDR 2--			7	4 7 11	4.67 B	21
		--sand seam--	20		8	5 15 20	3.00 P	17
	749.9	Brown, fine SAND, trace gravel; saturated						
	748.8	Gray and brown CLAY; moist			9	6 5 6	NP	12
	747.4	Gray SANDY GRAVEL; saturated --flushed hole--						
	746.2	Very soft to medium stiff, gray SILTY CLAY, trace gravel; moist --RDR 2--	25		10	13 16 11	NP	6
			30		11	3 3 4	0.57 B	18
					12	4 5 4	0.08 B	20

GENERAL NOTES

Begin Drilling: 03-01-2024 Complete Drilling: 03-01-2024
Drilling Contractor: Wang Testing Services Drill Rig: 20D50T [80%]
Driller: RH&JD Logger: A. Scifers Checked by: C. Marin
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: ▽ 8.00 ft
At Completion of Drilling: ▼ 23.5 wash
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE225178.GPJ WANGENG.GDT 5/9/24

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG SB-02

WEI Job No.: KE225178

Client: Engineering Resource Associates, Inc.
Project: West Solon Road -Phase II
Location: McHenry County, Illinois

Datum: NAVD 88
Elevation: 770.40 ft
North: 2102953.22 ft
East: 994423.83 ft
Station: 11+2.80
Offset: 5.31 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	738.9	Soft, gray SILTY LOAM, trace gravel; moist --RDR 2-- --L_L(%)=21, P_L(%)=14-- --%Gravel=2.2-- --%Sand=2.8-- --%Silt=76.7-- --%Clay=18.3-- --A-4 (4)--	35	PUSH	1		1.25 P	15
	735.4	Soft to stiff, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; moist --RDR 2-- --L_L(%)=22, P_L(%)=13-- --%Gravel=0.4-- --%Sand=0.7-- --%Silt=77.0-- --%Clay=21.8-- --A-4 (6)--		PUSH	2		0.35 B	20
			40		13	4 3 4	1.56 B	20
	726.2	--(0.25 B)-- Loose to medium dense, gray SILT, trace gravel; moist to wet	45		14	3 3 2	NP	24
	720.4	--RDR 2-- Boring terminated at 50.00 ft	50		15	4 5 6	NP	19
			55					
			60					

GENERAL NOTES

Begin Drilling: 03-01-2024 Complete Drilling: 03-01-2024
Drilling Contractor: Wang Testing Services Drill Rig: 20D50T [80%]
Driller: RH&JD Logger: A. Scifers Checked by: C. Marin
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: ▽ 8.00 ft
At Completion of Drilling: ▼ 23.5 wash
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE225178.GPJ WANGENG.GDT 5/9/24

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ENGINEERING RESOURCE ASSOCIATES

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	CHECKED - M. LANGE	REVISED -	
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PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 056-9142
SHEET S23 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	85
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

P2-SB-1

MSET PROJECT NO.: 21236 | **LOG OF BORING NO. SB-1** | Page 1 of 2

PROJECT: West Solon Road Bridge Replacement | SITE LOCATION: Richmond, Illinois

BORING LOCATION: Station 9+45 | CLIENT: ERA, Inc.

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/INTERVAL	SAMPLE NO.	SAMPLE N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
0		Pavement - Asphalt (4") over GBC (8")	774.0							
		Possible FILL: Brown CLAY, A-6, very stiff to stiff	773.0	SS	1	7	24	96	2.75	
				SS	2	7	21	103	1.51	
5		Brown Silty LOAM, A-4, moist, medium to slightly dense	768.5	SS	3	12	24			
		wet at 8.5'		SS	4	7	28			
10				SS	5	8	33			
		Brown SAND (f-m), A-3, wet, slightly dense	761.0	SS	6	5	24			
15		(f-c)		SS	7	9	21			
		Brown SAND (f-c) with Gravel, A-1-b, medium dense	756.0	SS	8	29	8			
20		Brown SAND (f-m), A-3, wet, medium dense	753.5	SS	9	18	25			
		Brown and Grey SAND (f-c) with Gravel, A-1-b, medium dense	751.0	SS	10	22	8			
25				SS	11	17	8			
		Grey CLAY, A-6, very soft to firm	746.5	SS	12	3	21	112	0.19	
30										
				SS	13	7	23		0.75 Qp	
35										

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: 8.5'
IMMEDIATELY AFTER DRILLING:
DELAYED READING AFTER

MSET

BORING STARTED: 3/11/21
BORING COMPLETED: 3/11/21
LOGGED BY: MHP
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 21236 | **LOG OF BORING NO. SB-1** | Page 2 of 2

PROJECT: West Solon Road Bridge Replacement | SITE LOCATION: Richmond, Illinois

BORING LOCATION: Station 9+45 | CLIENT: ERA, Inc.

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/INTERVAL	SAMPLE NO.	SAMPLE N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
40		Grey CLAY, A-6, very soft	735.0	SS	14	WOH	20	117	0.08	
		Grey Silty LOAM to Clay LOAM, A-4 to A 6, medium to slightly dense	734.0							
45				SS	15	11	21			
50				SS	16	6	11			
55				SS	17	46	8		3.45	
60				SS	18	36	10		3.5 Qp	
65				SS	19	82	11		2.87	
70		Grey Silty LOAM with Fractured Limestone, A-4, dense to very dense	707.5							
		extremely dense	705.0	SS	20	50/5"	12			
		End of Boring at 70'	704.0							

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: 8.5'
IMMEDIATELY AFTER DRILLING:
DELAYED READING AFTER

MSET

BORING STARTED: 3/11/21
BORING COMPLETED: 3/11/21
LOGGED BY: MHP
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

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ENGINEERING RESOURCE ASSOCIATES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 056-9142
SHEET S24 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	86
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

P2-SB-2

MSET PROJECT NO.: 21236 | **LOG OF BORING NO. SB-2** | **Page 1 of 2**

PROJECT: West Solon Road Bridge Replacement | SITE LOCATION: Richmond, Illinois

BORING LOCATION: Station 10+55 | CLIENT: ERA, Inc.

DEPTH (feet)	Material Description	Elevation	SAMPLE TYPE/INTERVAL	SAMPLE NO.	SAMPLE N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
0	Pavement - Asphalt (4") over GBC (8")	770.8							
	FILL - Brown SAND (f-c) with Gravel, A-1-b, medium dense	769.8	SS	1	12	5			
	FILL - Dark Brown Clay LOAM, A-6, stiff	767.8	SS	2	3	11		1.5 Qp	
5	Black Organic CLAY, A-8, firm	764.8	SS	3	2	49	61	0.58	
	Dark Grey Sandy LOAM, little Shells and Fibers, A-2-4, slightly dense	762.8	SS	4	7	47			
10	Brownish-Grey CLAY, A-6, stiff	760.3	SS	5	4	22		1.16	
	Brown SAND (f), A-3, wet, medium dense	757.8	SS	6	14	29			
15			SS	7					skipped sample
	Brown SAND (f-c) with Gravel, A-1-b, wet, medium dense	752.3	SS	8	21	13			
20			SS	9	29	12			
			SS	10	25	7			
25			SS	11	10				no recovery
	Grey CLAY, A-6, stiff to firm	742.8	SS	12	5	20		1.09	
30									
			SS	13	5	23		0.5 Qp	
35									

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: 8.5'
IMMEDIATELY AFTER DRILLING:
DELAYED READING AFTER

MSET

BORING STARTED: 3/12/21
BORING COMPLETED: 3/12/21
LOGGED BY: MHP
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 21236 | **LOG OF BORING NO. SB-2** | **Page 2 of 2**

PROJECT: West Solon Road Bridge Replacement | SITE LOCATION: Richmond, Illinois

BORING LOCATION: Station 10+55 | CLIENT: ERA, Inc.

DEPTH (feet)	Material Description	Elevation	SAMPLE TYPE/INTERVAL	SAMPLE NO.	SAMPLE N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
40	Grey CLAY, A-6, stiff	731.8	SS	14	8	19		1.67	
	Grey Silty LOAM, A-4, medium dense	729.3							
45			SS	15	10	19			
	Grey CLAY to Clay LOAM, A-6, very stiff to hard	723.8							
50			SS	16	26	10		3.5 Qp	
55			SS	17	41	9		4.5+ Qp	
60			SS	18	33	9		4.5+ Qp	
	Grey Silty LOAM, A-4, medium dense	709.3							
65			SS	19	26	9			
70	End of Boring at 70'	700.8	SS	20	40	9			

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: 8.5'
IMMEDIATELY AFTER DRILLING:
DELAYED READING AFTER

MSET

BORING STARTED: 3/12/21
BORING COMPLETED: 3/12/21
LOGGED BY: MHP
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

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ENGINEERING RESOURCE ASSOCIATES

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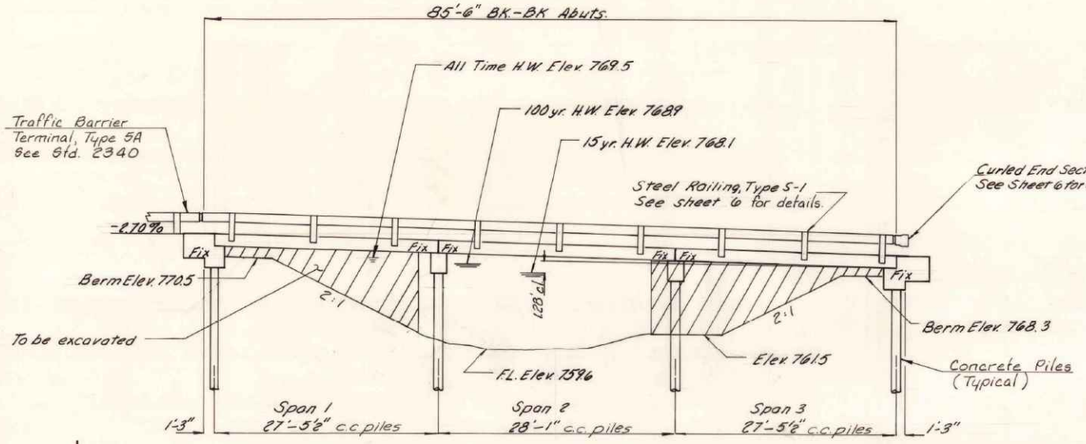
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 056-9142
SHEET S25 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	87
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR45		McHENRY	9	4
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



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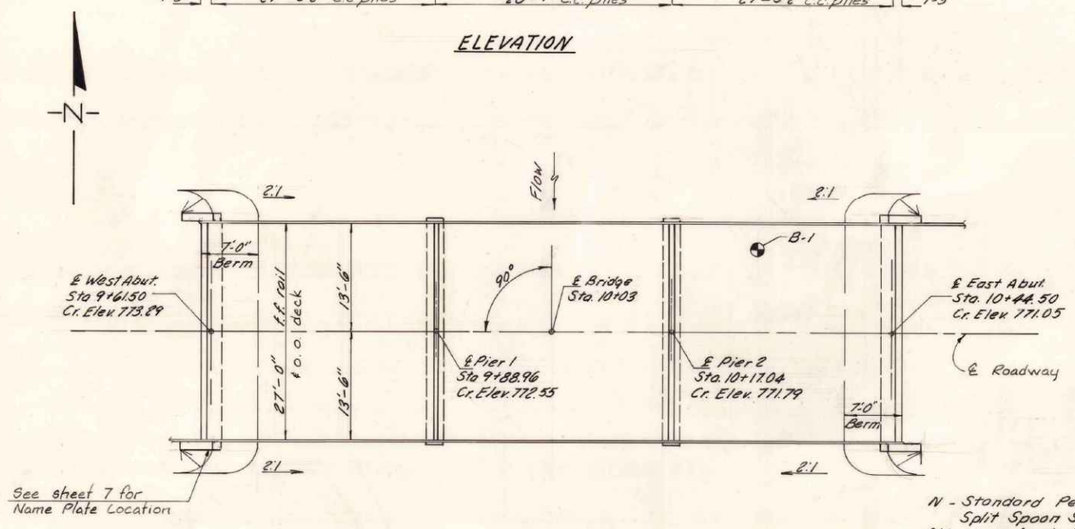
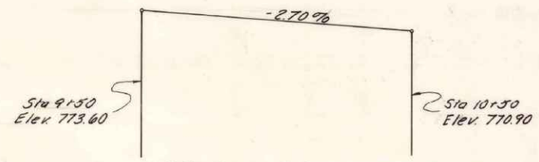


PLAN

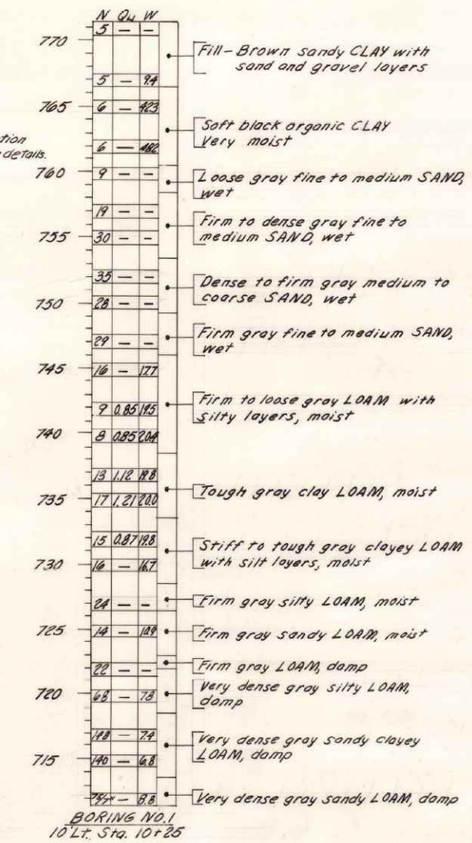


PROFILE GRADE

WATERWAY DATA

Drainage Area	68.1 Sq. Mi.
Existing Opening (15 yr.)	250 Sq. Ft.
Req'd Opening (15 yr.)	367 Sq. Ft.
Proposed Opening (15 yr.)	367 Sq. Ft.
East Approach	500± Sq. Ft.
Design Discharge (15 yr.)	1,610 C.F.S.
Created Head (15 yr.)	0.0 Ft. < 0.5'
Computed Discharge (100 yr.)	2,490 C.F.S.
Created Head (100 yr.)	0.0 Ft. < 1.0'

East approach to remain low water approach



BORING NO. 1
10 Lt. Sta. 10+25

BORING DATA

N - Standard Penetration Test — Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
QU- Unconfined Compressive Strength ~ Tons/sq. ft.
W - Water Content ~ percentage of oven dry weight — %.

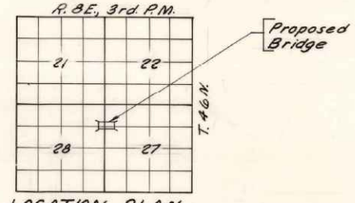
DESIGN STRESSES

f'c = 5,000 psi (Prestressed Beams)
f'ci = 4,000 psi (Prestressed Beams)
fc = 1,400 psi (Class X Concrete)
fsi = 189,000 (Prestressed Strands)
fs = 20,000 psi (Reinf. Bars -- Fields Units)
fy = 60,000 psi (Reinf. Bars -- Precast Units)
fs = 270,000 psi (Prestressed Strands)
n = 9 (Class X Concrete)
Loading HS 20-44
Design Specifications: 1977 AASHTO 1978, 1979 & 1980 Interims
25#/Sq. Ft. included in dead load for future wearing surface.

Fred J. Stone Jr.
ILLINOIS STRUCTURAL NO. 2934

GENERAL NOTES

The Contractor shall drive one concrete test pile in a permanent location at Pier 1 as directed by the Engineer before ordering the remainder of the piles.



LOCATION PLAN

STRUCTURE NO. 056-3142
NORTH BRANCH NIPPERSINK CREEK
WEST SOLON ROAD BUILT 198_
RICHMOND ROAD DISTRICT
McHENRY COUNTY
LOADING HS 20

LETTERING FOR NAME PLATE
See Std. 2113

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	2,268		2,268
Class X Concrete	Cu. Yd.		29.8	29.8
Reinforcement Bars	Pounds		4,010	4,010
Steel Railing, Type S-1	Lin. Ft.	170		170
Name Plates	Each		1	1
Concrete Piles	Lin. Ft.		445	445
Test Pile Concrete	Each		1	1

FRED J. STONE JR. REGISTERED 1934 ILLINOIS STRUCTURAL ENGINEER

GENERAL PLAN & ELEVATION
WEST SOLON ROAD
RICHMOND ROAD DISTRICT
McHENRY COUNTY
STATION 10+03

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED F.S. CHECKED T.S.
DRAWN W.R DATE 6-19-81 NO. 1516

FOR INFORMATION ONLY

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2/20/2026 11:25:57 AM

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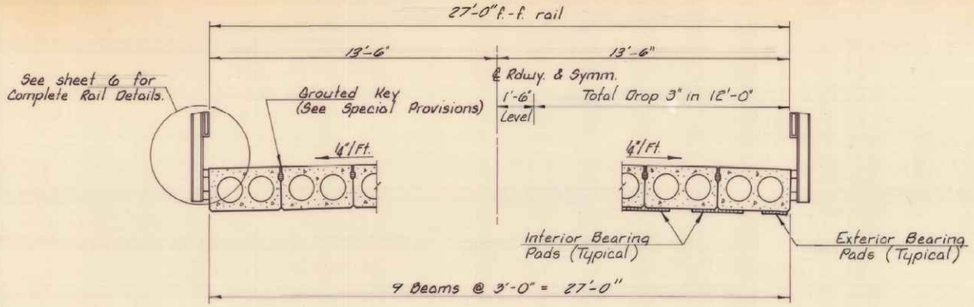
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

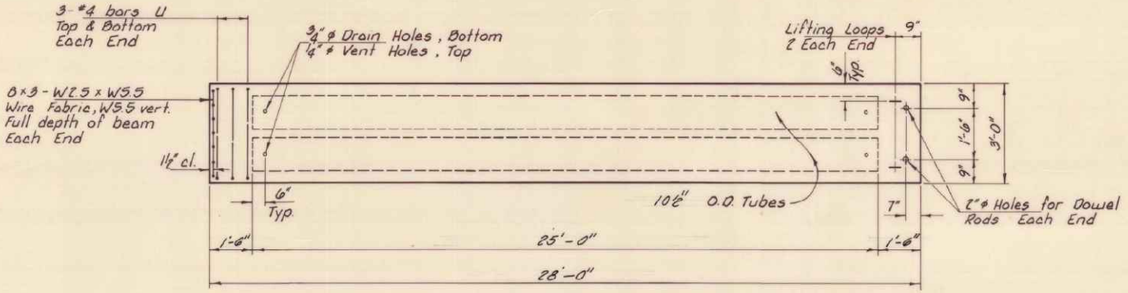
EXISTING PLANS
STRUCTURE NO. 056-9142
SHEET S26 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	88
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

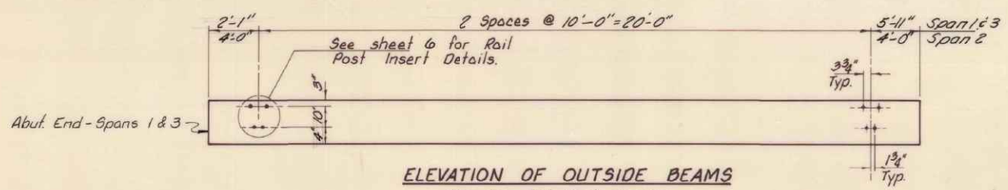
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I.R 45		MCHENRY	9	5
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



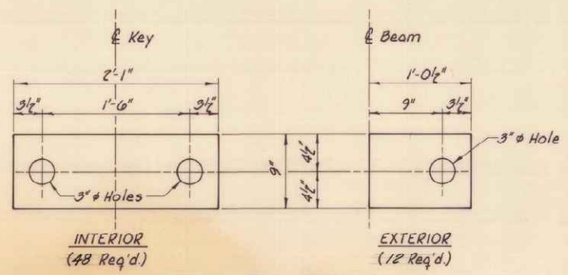
CROSS SECTION



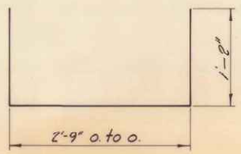
TYPICAL PLAN OF BEAMS



ELEVATION OF OUTSIDE BEAMS
Showing Rail Post Spacing

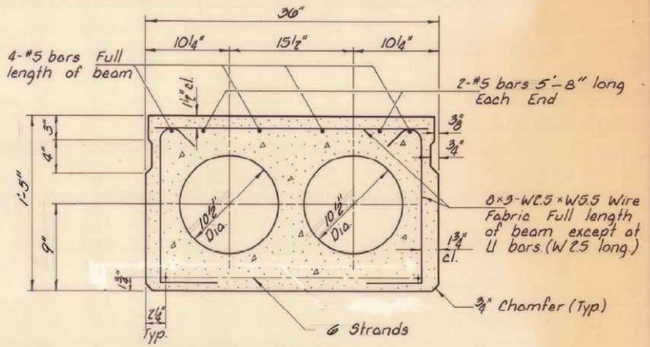


BEARING PAD DETAILS



BAR U

NOTE: Omit key on exterior face of outside beams.



TYPICAL SECTION THRU BEAM

6 - 1/2" ϕ Strands Stressed to 28,900 Lbs. Each
Place strands symmetrically about ℄ of beam.
Use Standard Grid Pattern.

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270.

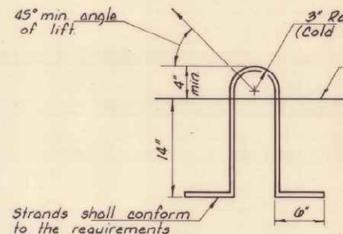
The nominal diameter shall be 1/2", and the nominal cross-sectional area shall be 0.153 sq.in.

Lifting loops shall be 7-wire stress-relieved, 2-1/2" ϕ - 270 ksi strands.

Reinforcement bars shall conform to AASHTO: M-31 or M-53, Grade 60.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

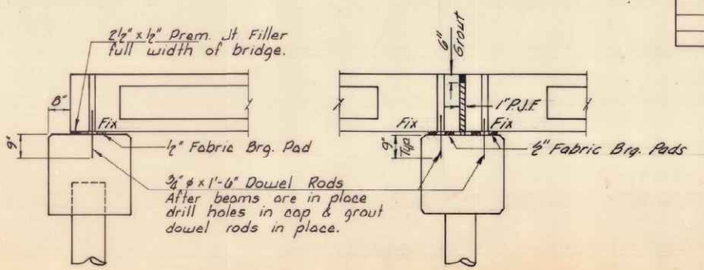


NOTE: The loop shall be formed in a manner such that all strands are engaged during lifting. Loops shall be burried off after beams have been erected.

LIFTING LOOP DETAIL
Approved alternate may be substituted for the above.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq.Ft.	2,268



SECTION AT ABUTMENTS

SECTION AT PIERS

SUPERSTRUCTURE
WEST SOLON ROAD
RICHMOND ROAD DISTRICT
McHENRY COUNTY
STATION 10+03

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED F.S. CHECKED T.S.
DRAWN W.R. DATE 6-19-81 NO. 1516

FOR INFORMATION ONLY

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -	
		CHECKED - M. LANGE	REVISED -	
PLOT SCALE = 20:0.0000 ':" / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -	
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 056-9142
SHEET S27 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	89
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

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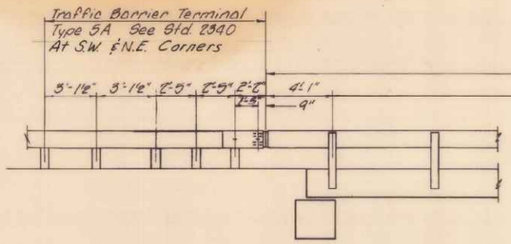
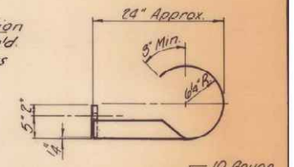
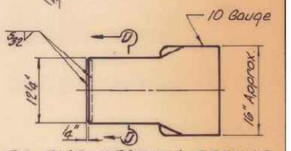
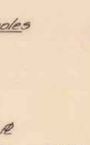
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR45		McHENRY	9	6
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		



ELEVATION

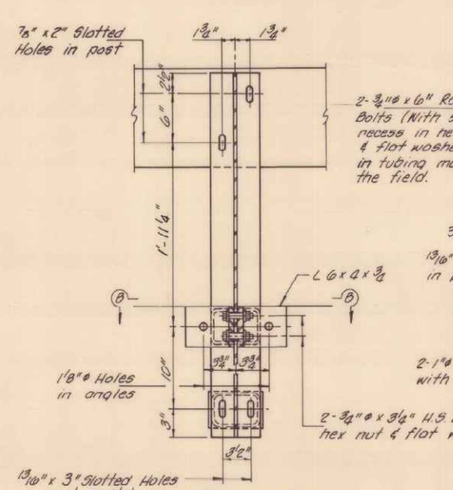




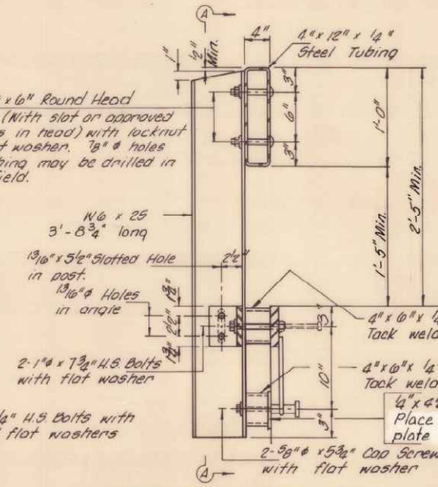


SECTION D-D

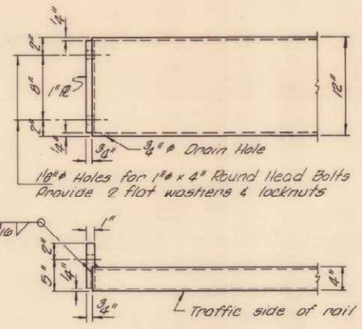
CURLED END SECTION DETAILS



SECTION A-A



SECTION AT RAIL POST



END OF RAIL DETAILS

NOTES

Hollow structural steel tubing shall conform to the requirements of A.S.T.M. designation A-500 Grade B Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of A.A.S.H.T.O. designation M-183 except posts and angles shall conform to A.A.S.H.T.O. M-223 Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of A.S.T.M. designation A-307 except for high strength bolts, nuts and washers noted which shall conform to A.A.S.H.T.O. designation M-164.

All bolts, nuts, cap screws, washers and lockwashers shall be galvanized in accordance with A.A.S.H.T.O. designation M-232.

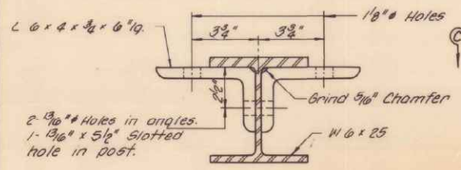
All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with A.S.T.M. A-385 and A.A.S.H.T.O. M-111. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for STEEL RAILING, TYPE S-1.

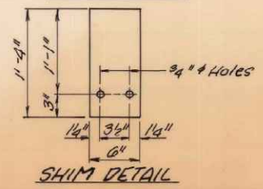
All field drilled holes shall be coated with an approved zinc rich paint before erection.

For multi-span bridges, sufficient ¼" x 6" x 1'-4" galvanized steel shims shall be provided to align rail between adjacent spans. Cost incidental to Steel Railing.

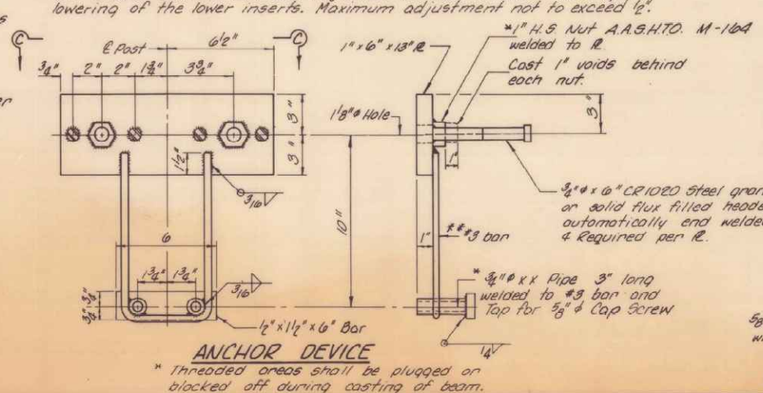
The ⅞" ϕ high strength bolts used to connect the 6 x 4 x ⅜ angles to the post shall be tightened in accordance with Art. 507.04 (g)(3) of the Standard Specifications. The 1" ϕ high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional ⅛ turn. The ⅝" ϕ cap screws in bottom of post shall be tightened to a snug fit only, after the ⅞" ϕ high strength bolts have been tightened in accordance with Article 507.04 (g)(3).



SECTION B-B

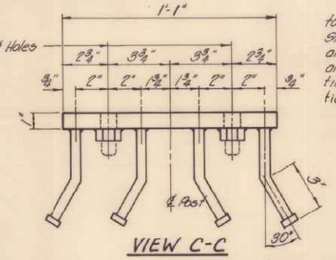


SHIM DETAIL

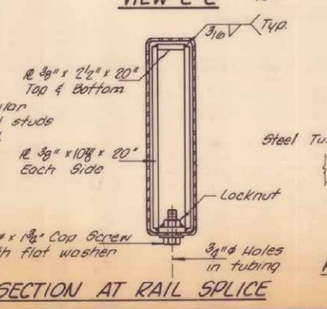


ANCHOR DEVICE

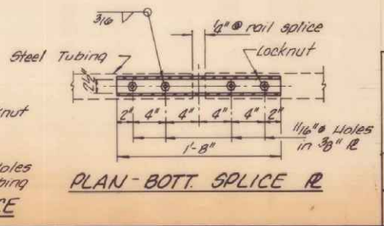
* Threaded areas shall be plugged or blocked off during casting of beam.



VIEW C-C



SECTION AT RAIL SPLICE



PLAN - BOTT. SPLICE PL

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Lin. Ft.	170

RAILING DETAILS

WEST SOLON ROAD
RICHMOND ROAD DISTRICT
McHENRY COUNTY
STATION 1003

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED F.S. CHECKED T.S.
DRAWN W.R. DATE 6-19-81 NO. 15116

FOR INFORMATION ONLY

MODEL: Default
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2/20/2026 11:26:00 AM

ENGINEERING RESOURCE ASSOCIATES

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	CHECKED - M. LANGE	REVISED -
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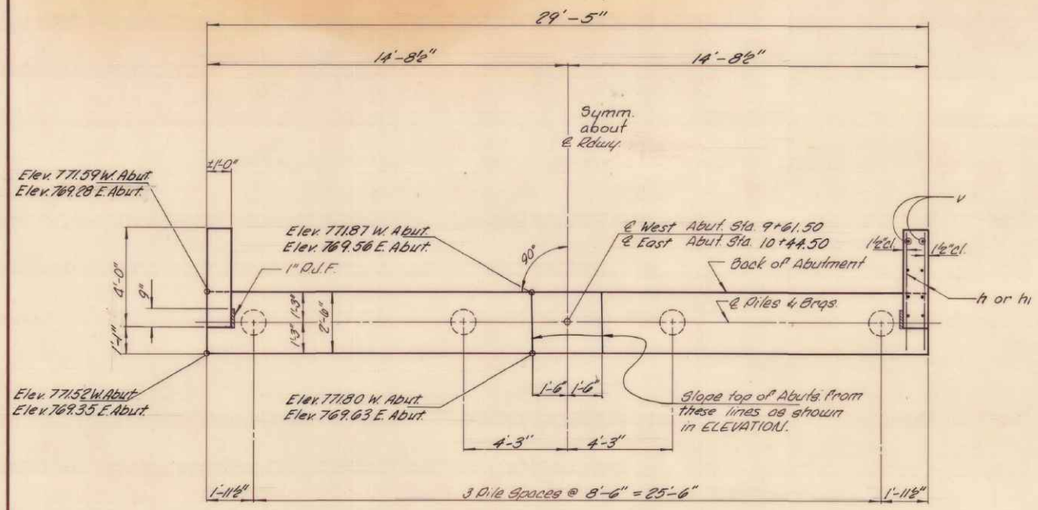
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 056-9142
SHEET S28 OF S36 SHEETS

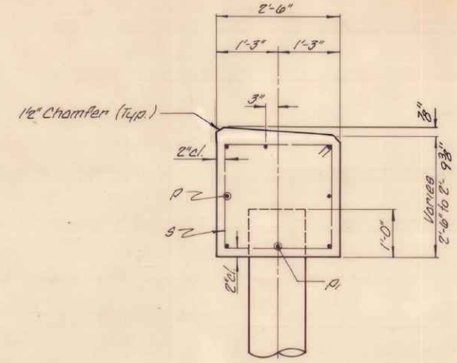
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	90
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R.45		McHENRY	9	7
FEDROAD DIST. NO 7	ILLINOIS	PROJECT		



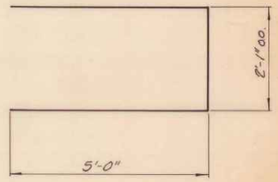
PLAN

Note: Elevations given in Plan are to top of cap.



SECTION A-A

ELEVATION - WING



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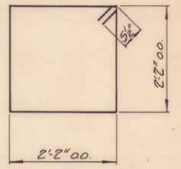

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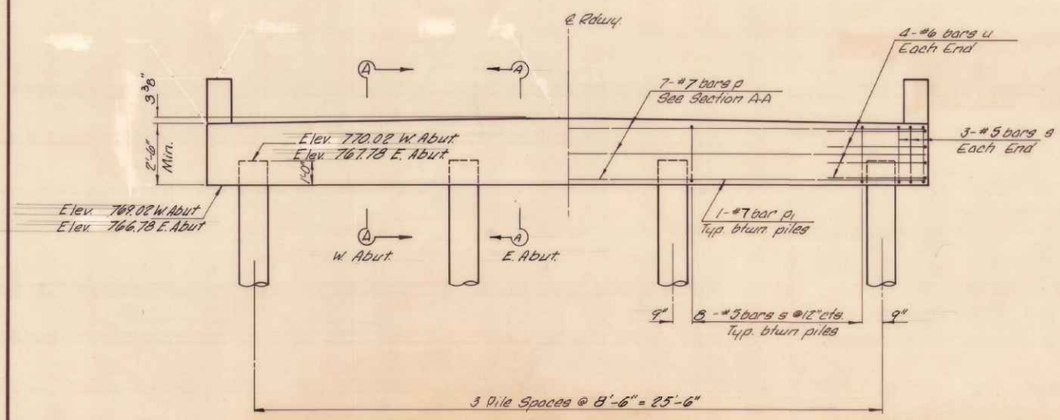

ELEVATION

PILE DATA

Type _____ Concrete
No. Req'd. (2 Abuts.) _____ 8
Capacity _____ 25 Tons / Pile
Est. Length _____ 25 Feet / Pile

BILL OF MATERIALS - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h	16	#4	7'-10"	
h1	16	#4	3'-9"	
p	14	#7	29'-1"	
p1	6	#7	7'-1"	
s	60	#5	9'-7"	
u	16	#6	12'-1"	
v	32	#4	2'-9"	
Class X Concrete			Cu. Yd.	15.9
Reinforcement Bars			Pound	1,960
Name Plates			Each	1
Concrete Piles			Lin. Ft.	200

See Sheet 9 for concrete pile alternates

ABUTMENTS
WEST SOLON ROAD
RICHMOND ROAD DISTRICT
McHENRY COUNTY
STATION 10+03

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED F.S. CHECKED T.S.
DRAWN W.R. DATE 6-19-81 NO. 1516

FOR INFORMATION ONLY

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	CHECKED - M. LANGE	REVISED -		
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PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -		SHEET S29 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	91
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

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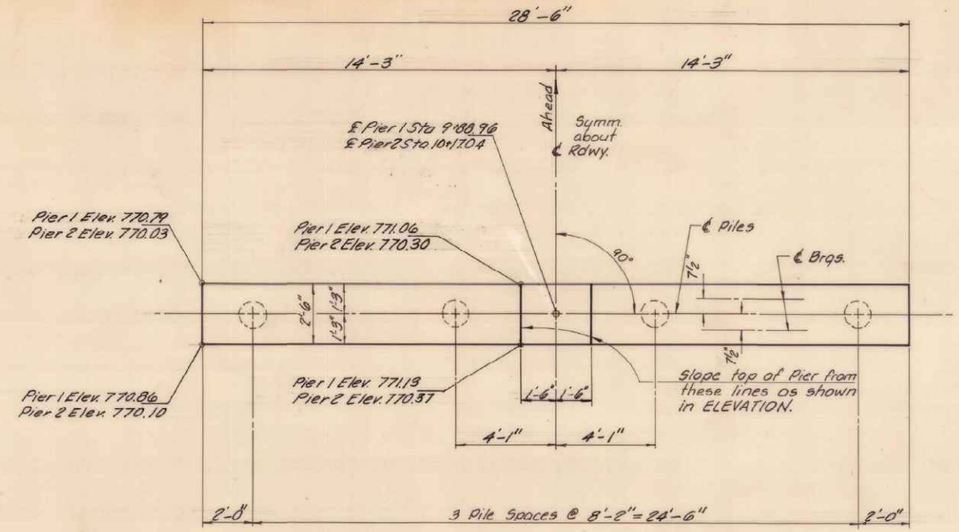
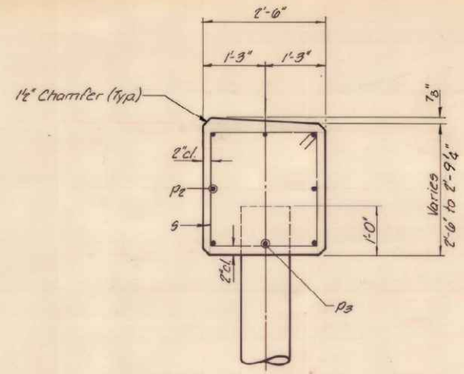
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 45		MCHENRY	9	8
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

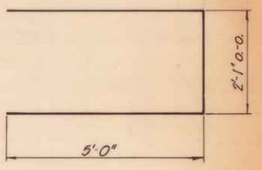


PLAN

Note: Elevations given in Plan are to top of cap.



SECTION A-A



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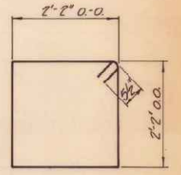

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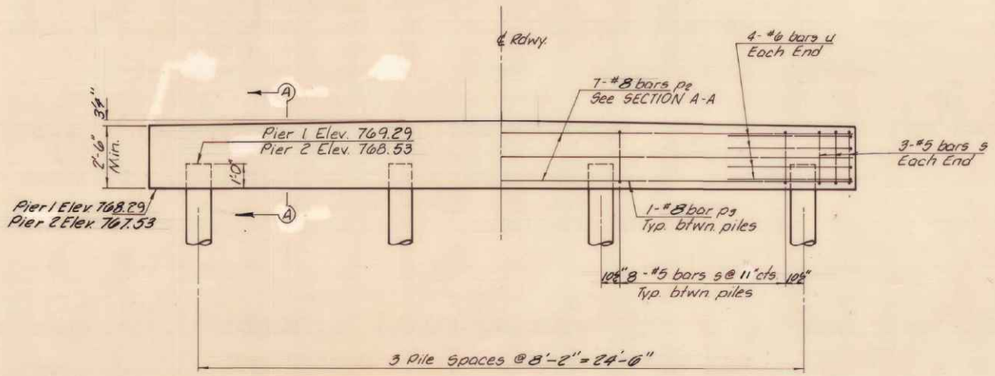

ELEVATION

Looking East

PILE DATA

Type _____ Concrete
No. Reqd (12 Piers) ___ 8*
Capacity _____ 35 Tons / Pile
Est. Length _____ 35 Feet / Pile
* Includes one test pile to be driven in a permanent location at Pier 1.

BILL OF MATERIAL - 2 PIERS

BAR	NO.	SIZE	LENGTH	SHAPE
p2	14	#8	28'-2"	——
p3	6	#8	6'-9"	——
s	60	#5	9'-7"	□
u	16	#6	12'-1"	▭
Class X Concrete			Cu. Yd.	13.9
Reinforcement Bars			Pound	2,050
Concrete Piles			Lin. Ft.	245
Test Pile Concrete			Each	1

See sheet 9 for pile alternates. Precast prestressed concrete piles will not be permitted at the piers.

PIERS
WEST SOLON ROAD
RICHMOND ROAD DISTRICT
MCHENRY COUNTY
STATION 10+03

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED F.S. CHECKED T.S.
DRAWN W.R. DATE 6-19-81 NO. 1516

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	CHECKED - M. LANGE	REVISED -		
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PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -		SHEET S30 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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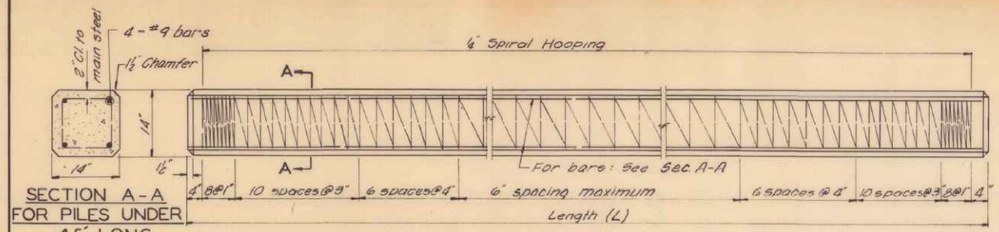
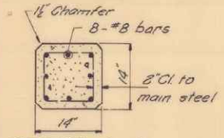
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



SECTION A-A
FOR PILES UNDER
45' LONG

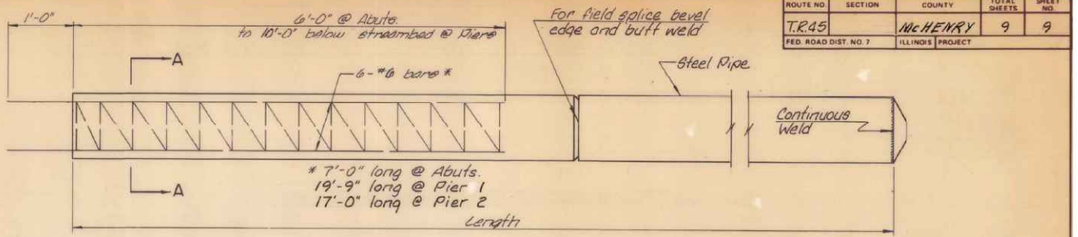


SECTION A-A
FOR PILES 45'
OR MORE

Handling:
For Pile Lengths up to 45 ft use two slings placed at a distance of 0.21L* from each end. For piles longer than 45 ft use three slings placed at a distance of 0.12L* from each end and at mid-point of pile.

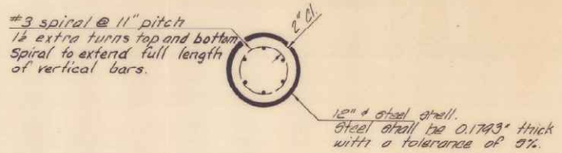
*L = Over all length of pile to be handled.

DETAIL OF PRECAST CONCRETE PILES



OPTIONAL FLAT END

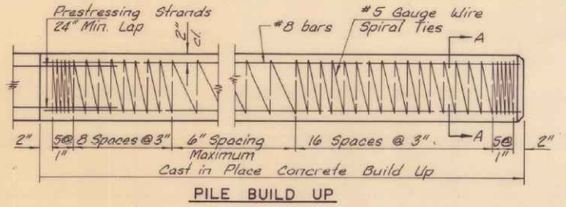
Note:
Metal shell piles used at piers shall receive one coat of red lead paint and two coats of aluminum paint in accordance with Section 509 of the Standard Specifications after the pier forms have been removed. The paint shall extend from the bottom of the concrete cap to streambed. Painting the metal shells is incidental to the cost of furnishing the piles.



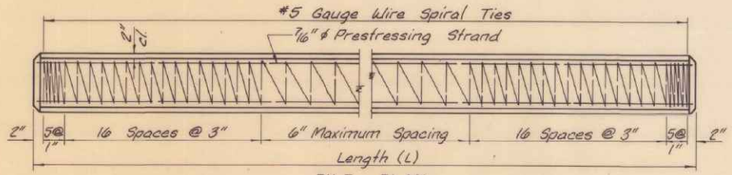
SECTION A-A

Note: Cost of reinforcement in piling is incidental to the cost of furnishing piles.

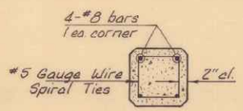
DETAIL OF CAST IN PLACE CONCRETE PILES



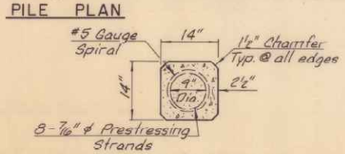
PILE BUILD UP



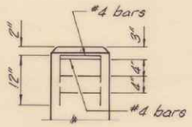
PILE PLAN



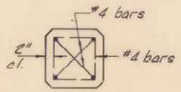
SECTION A-A



SECTION THRU PILE



ELEVATION
(End Reinforcement)



PLAN
(End Reinforcement)

DESIGN STRESSES

$f_c' = 5{,}000$ p.s.i.
$f_{ci}' = 4{,}000$ p.s.i.
$f_s' = 270{,}000$ p.s.i. (31,000 lbs.) — 7/16" ø
$f_{si} = 189{,}000$ p.s.i. (21,700 lbs.)
$f_s' = 270{,}000$ p.s.i. (41,300 lbs.) — ½" ø
$f_{si} = 189{,}000$ p.s.i. (28,900 lbs.)

NOTE

Precast prestressed concrete piles will not be permitted in pile bent piers.

NOTES

Prestressing steel shall be non-galvanized extra high strength stress-relieved 7-wire strand. The nominal diameter shall be 7/16" and the minimum nominal cross-sectional area shall be 0.115 sq. in. or the equivalent 6-½" ø strands with a cross-sectional area of 0.153 sq. in may be used.

For Pile lengths up to 65', use two slings placed at a distance of 0.21 L* from each end. For Piles longer than 65', use three slings place at a distance of 0.12 L* from each end and at midpoint of pile.

*L = Overall Length of Pile to be handled.

DETAIL OF PRECAST PRESTRESSED CONCRETE PILES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R.45		McHENRY	9	9
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

CONCRETE PILE DETAILS
WEST SOLON ROAD
RICHMOND ROAD DISTRICT
McHENRY COUNTY
STATION 10+03

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED F.S. CHECKED T.S.
DRAWN W.R. DATE 8-19-81 NO. 1516

FOR INFORMATION ONLY

MODEL: Default
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ENGINEERING RESOURCE ASSOCIATES

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	CHECKED - M. LANGE	REVISED -	
PLOT SCALE = 20:0.0000 ':" / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -	
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

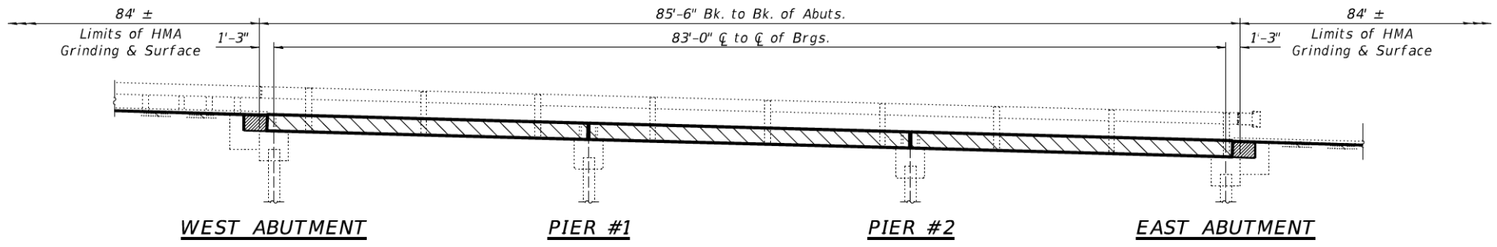
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 056-9142
SHEET S31 OF S36 SHEETS

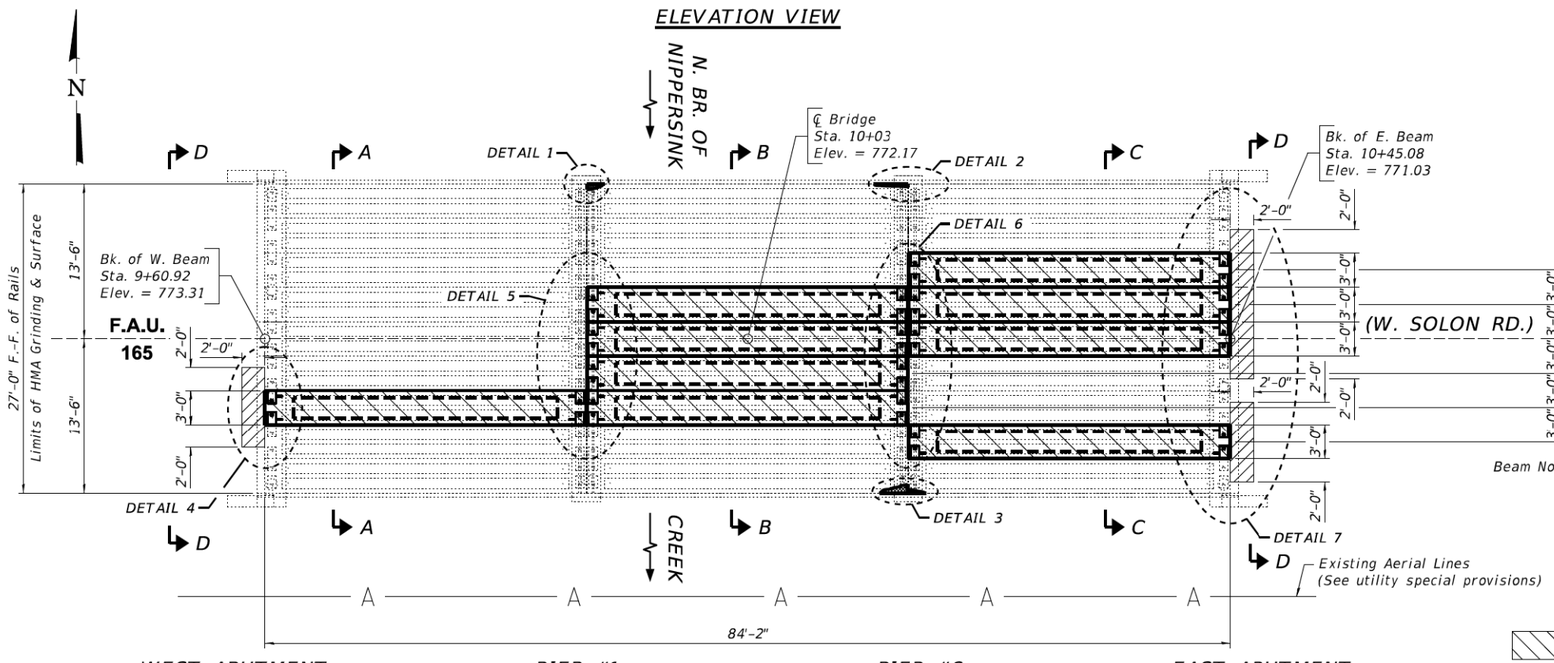
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	93
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

BENCHMARK: *See Structural Sheet 9 of 14, Elevations are provided for Information Only.*

EXISTING STRUCTURE: *S.N. 056-3142 was originally built as F.A.U. 165, in 1981. The existing structure is a three span (3 @ 28'-0") precast prestressed concrete deck beam bridge at Sta. 10+03. No Skew.*



ELEVATION VIEW



TOTAL BILL OF MATERIAL - ROADWAY & BRIDGE

	ITEM	UNIT	ROADWAY	SUPER	TOTAL
	Aggregate Subgrade Improvement	Cu. Yd.	10	——	10
*	Bituminous Materials (Tack Coat)	Pound	357	——	357
	Hot-Mix Asphalt Surface Removal - Butt Joint	Sq. Yd.	504	——	504
*	Hot-Mix Asphalt Surface Course, Mix "C", N50	Ton	57	——	57
	Removal of Existing Superstructure	Sq. Yd.	——	84	84
*	Precast Prestressed Concrete Deck Beams, (17" Depth)	Sq. Ft.	——	756	756
	Portland Cement Mortar Fairing Course	Foot	364	——	364
	Mobilization	L. Sum	——	1	1
	Structural Repair of Concrete (Depth greater than 5 inches)	Sq. Ft.	——	8	8
*	Joint Repair	Each	——	3	3
*	Structure Excavation, (Special)	Cu. Yd.	——	3.5	3.5

*See Special Provisions

GENERAL NOTES:

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The contractor is responsible for the protection of all underground and surface utilities as outlined in Article 107.39 of the Standard Specifications. This work shall be considered as included in the unit bid prices of the contract and no additional compensation will be allowed. Any utility property damaged during construction shall be repaired or replaced to the satisfaction of the owner at the contractor's expense.

The location and elevation of the underground utilities as shown on the plans are not to be taken as exact. The contractor shall use special care when conducting contruction operations near them to prevent damage.

Contractor shall contact J.U.L.I.E. 48 hours prior to construction to locate utilities.

The contractor shall notify the respective utilities to make necessary adjustments prior to this construction.

The contractor shall adhere to all posting signs for the structure.

LEGEND

- Beam Replacement
- Structure Excavation
- Hot-Mix Asphalt Surface Removal - Butt Joint

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications of Highway Bridges, 17th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 5,000 psi (Concrete)
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS (PROPOSED)

f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi (½" Ø Low Lax Strands)
f'si = 189,000 psi (½" Ø Low Lax Strands)

NOTES:

See Structural Sheet 2 of 14 for Section A-A, B-B, C-C, D-D, and Detail 1, 2, and 3.

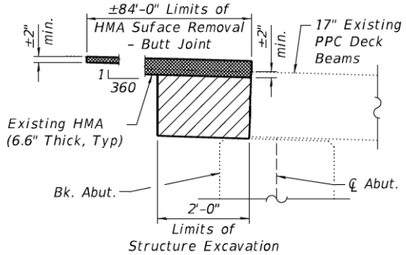
See Structural Sheet 3 of 14 for Detail 4, 5, 6, and 7.

STATE OF ILLINOIS — PETER L. PASCHA — 081-008079 — REGISTERED STRUCTURAL ENGINEER — DIXON, IL

DATE:_____
EXPIRES 11/30/20

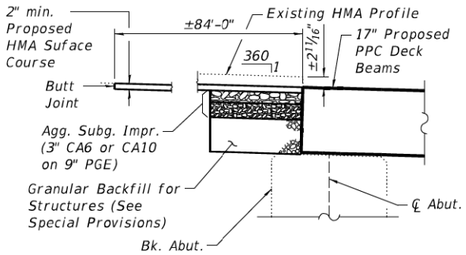
"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE REPAIR DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS, THE DESIGN IS AN ECONOMICAL ONE COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'."

PLAN VIEW



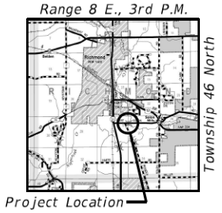
EXISTING SECTION THRU ABUT.

W. Abut. Shown, E. Abut. Similar;
Structure Ex. Required only behind Beams to be Removed;
1 in (V) : 30 ft (H) taper for Butt-Joint Grinding



PROPOSED SECTION THRU ABUT.

W. Abut. Shown, E. Abut. Similar;
Aggregate Subgrade Improvement (CA and PGE)
Required only behind Beams to be Removed



LOCATION SKETCH

GENERAL PLAN & ELEVATION
F.A.U. 165 (W. SOLON RD.) OVER N. BR. OF NIPPERSINK CREEK
SECTION 18-00485-00-BI
MCHENRY COUNTY
STATION 10+03
STRUCTURE NO. 056-3142

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0357
T: 815-284-3381 DESIGN FIRM: #184-000918

DESIGNED	- SM	REVISED	-
CHECKED	- PLP	REVISED	-
DRAWN	- RDA	REVISED	-
CHECKED	- PLP	REVISED	-

MCHENRY COUNTY DIVISION OF TRANSPORTATION
F.A.U. 165 (W. SOLON RD.) OVER N. BR. OF NIPPERSINK CK.
STATION 10+03

STRUCTURAL SHEET NO. 1 OF 14 SHEETS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	18-00485-00-BI	MCHENRY	15	2
		WHA# 1194D18		
	ILLINOIS			

FOR INFORMATION ONLY

ENGINEERING RESOURCE ASSOCIATES

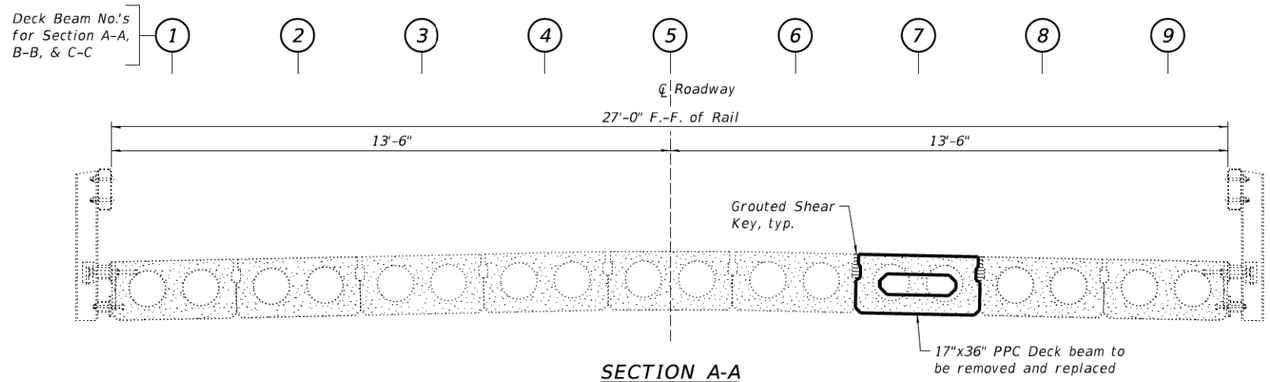
USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -		
		CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 20:0.0000 ':" / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

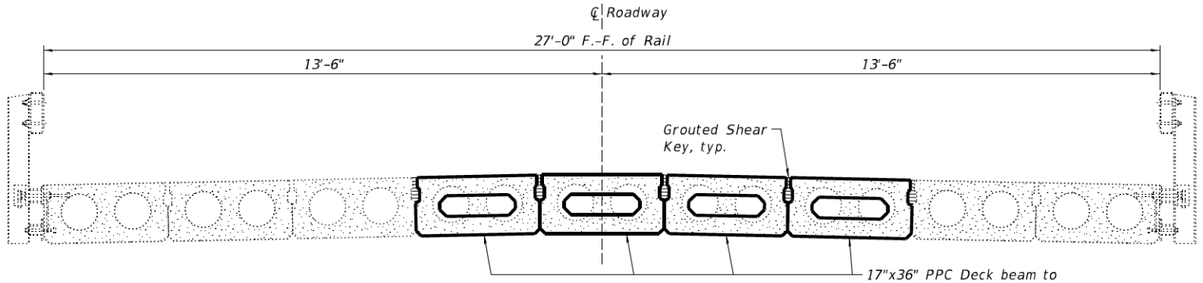
REPAIR PLANS
STRUCTURE NO. 056-9142

SHEET S32 OF S36 SHEETS

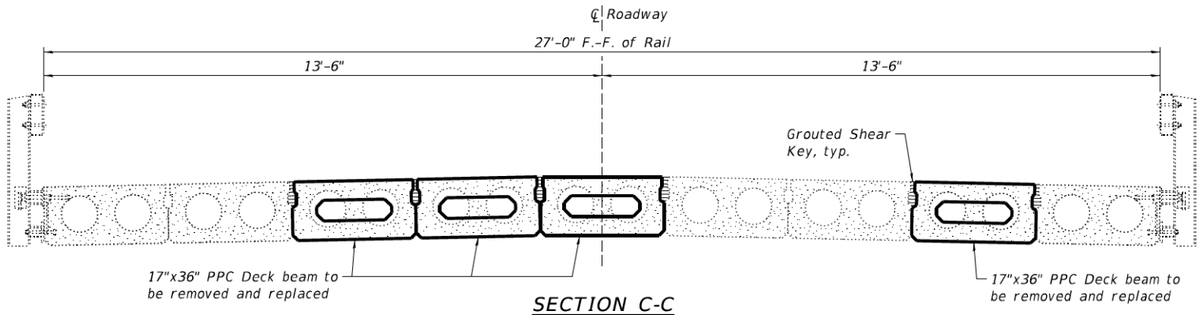
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	94
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



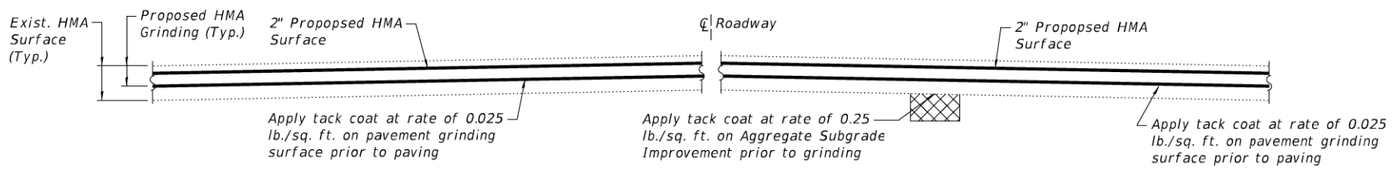
SECTION A-A



SECTION B-B



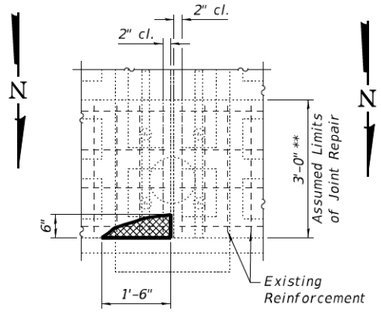
SECTION C-C



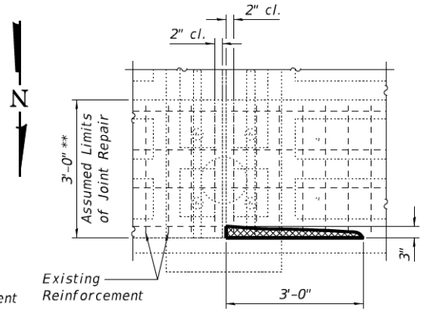
AREAS WITHOUT STRUCTURE EXCAVATION

AREAS WITH STRUCTURE EXCAVATION

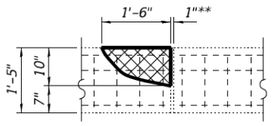
SECTION D-D



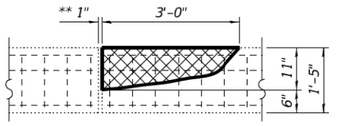
DETAIL 1
(Plan View)



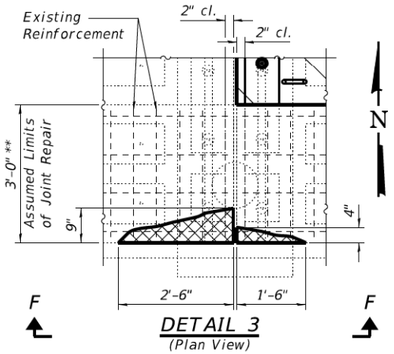
DETAIL 2
(Plan View)



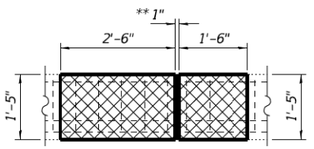
SECTION E-E
(Looking South)
(Elevation View)



SECTION D-D
(Looking South)
(Elevation View)



DETAIL 3
(Plan View)



SECTION F-F
(Looking North)
(Elevation View)

BILL OF MATERIAL

Item	Unit	Quantity
Structual Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	8
Joint Repair	Each	3

NOTE:

* Dimensions may vary in the field (See Special Provisions)

** Joint repair = 1" joint shall have existing grout removed and replaced with new non-shrink grout (See Special Provisions)

Hatched area indicates concrete removal and Structural Repair of Concrete. Work and labor for concrete removal included in unit price of Structural Repair of Concrete.

Existing reinforcement bars shall be sand blasted prior to pouring Repair Concrete.

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

DESIGNED - SM	REVISED -	
CHECKED - PLP	REVISED -	
DRAWN - RDA	REVISED -	
CHECKED - PLP	REVISED -	

MCHENRY COUNTY DIVISION OF TRANSPORTATION
F.A.U. 165 (W. SOLON RD.) OVER N. BR. OF NIPPERSINK CK.
STATION 10+03

BEAM REPAIRS
STRUCTURE NO. 056-3142
STRUCTURAL SHEET NO. 2 OF 14 SHEETS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	18-00485-00-BI	MCHENRY	15	3
		WHA* 1194D18		
	ILLINOIS			

FOR INFORMATION ONLY

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -		
		CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 20:0.0000 ':" / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR PLANS
STRUCTURE NO. 056-9142
SHEET S33 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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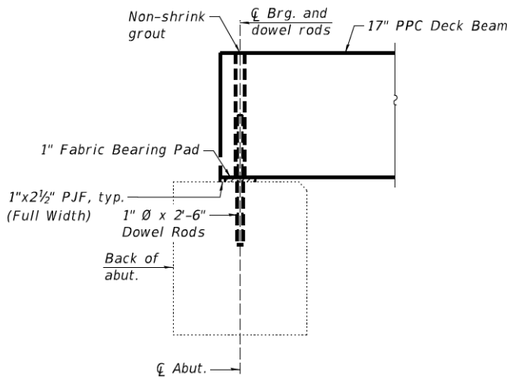
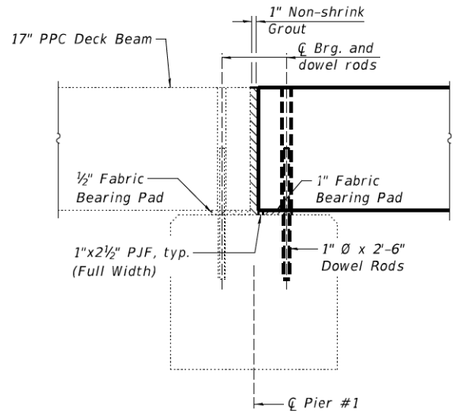
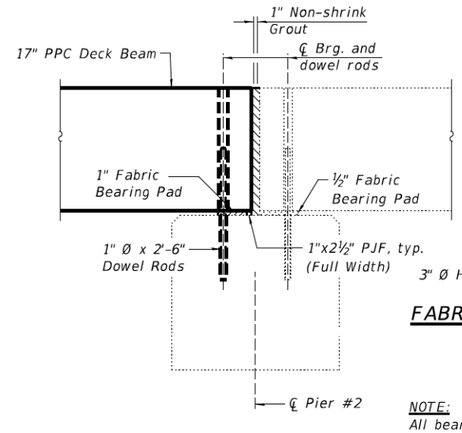
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



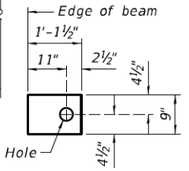
SECTION G-G



SECTION H-H



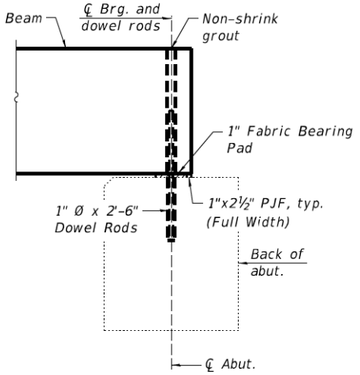
SECTION I-I



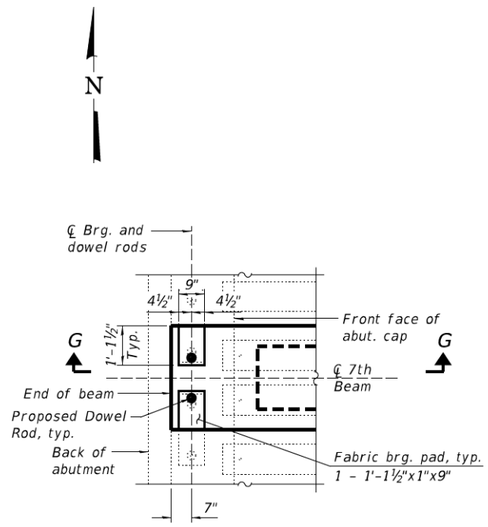
FABRIC BEARING PAD
(Typ.)
(36 required)

FIXED

NOTE:
All bearing pads shall be 1" thick.



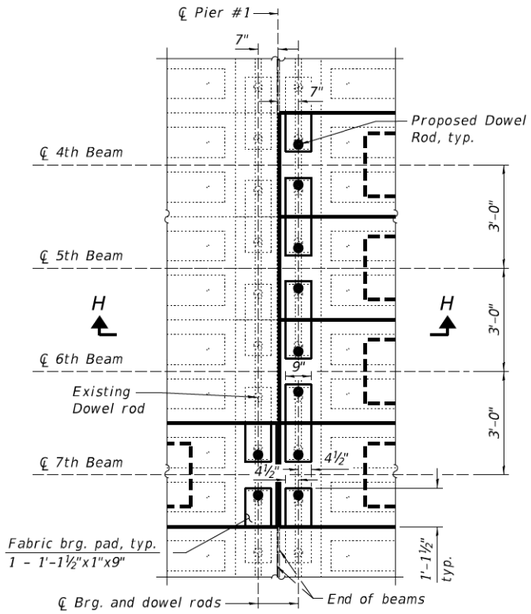
SECTION J-J



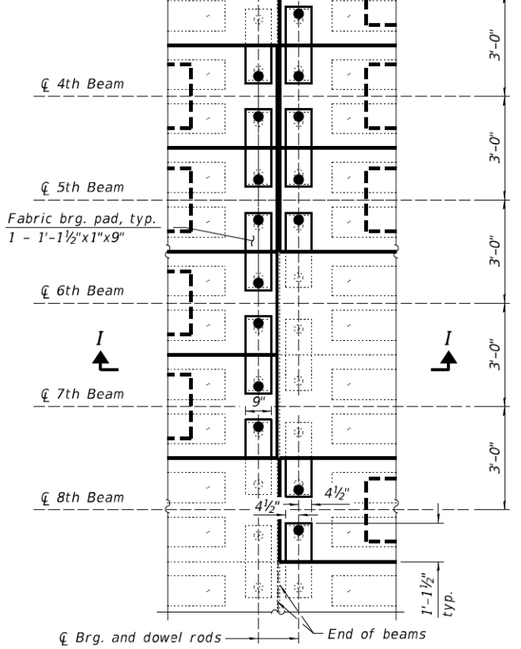
DETAIL 4

NOTE:
The bearing seat surfaces shall be adjusted by shimming the bearing to assure firm and even bearing prior to placement of grout. 2-⅛" fabric adjusting shims of the dimensions of the bearing pad shown shall be provided for each bearing.

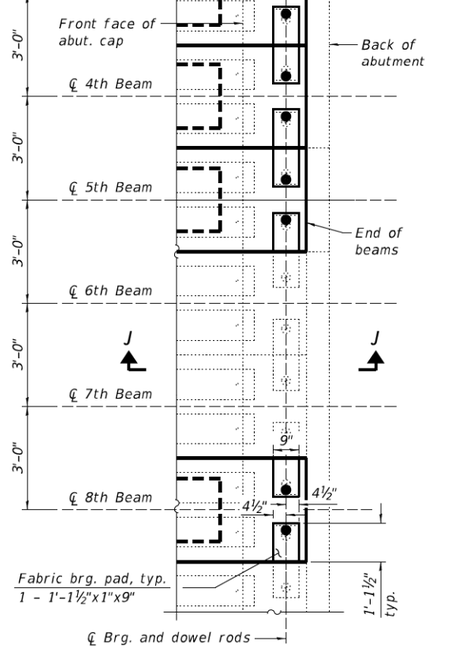
Contractor shall remove all existing joint grout at ends of proposed deck beams at pier locations and place new grout at same locations in accordance with Standard Specifications for Road & Bridge Construction. Cost for this work incidental to the square foot cost of Precast Prestressed Concrete Deck Beams (17" depth)



DETAIL 5



DETAIL 6



DETAIL 7

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0357
T: 815-284-3381 DESIGN FIRM: #184-000918

DESIGNED - SM	REVISED -	
CHECKED - PLP	REVISED -	
DRAWN - RDA	REVISED -	
CHECKED - PLP	REVISED -	

MCHENRY COUNTY DIVISION OF TRANSPORTATION
F.A.U. 165 (W. SOLON RD.) OVER N. BR. OF NIPPERSINK CK.
STATION 10+03

BEAM REPAIRS
STRUCTURE NO. 056-3142
STRUCTURAL SHEET NO. 3 OF 14 SHEETS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	18-00485-00-BI	MCHENRY	15	4
		WHA# 1194D1B		
	ILLINOIS			

FOR INFORMATION ONLY

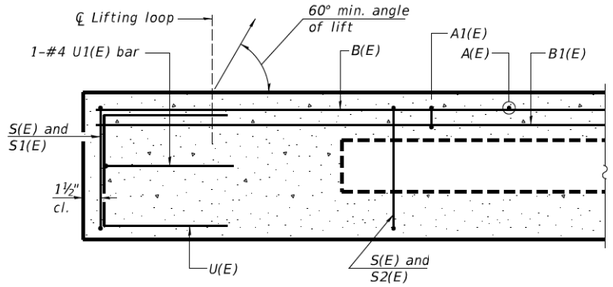
ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	
	CHECKED - M. LANGE	REVISED -	
PLOT SCALE = 20:0.0000 ':" / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -	
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

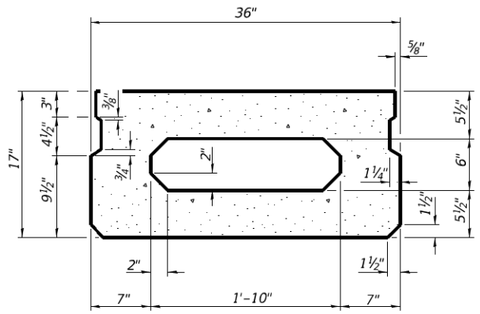
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR PLANS
STRUCTURE NO. 056-9142
SHEET S34 OF S36 SHEETS

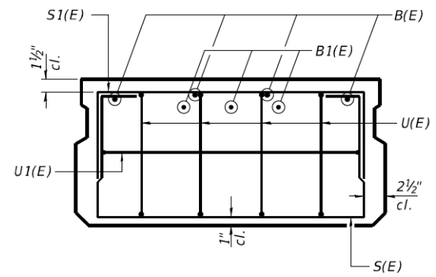
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	96
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



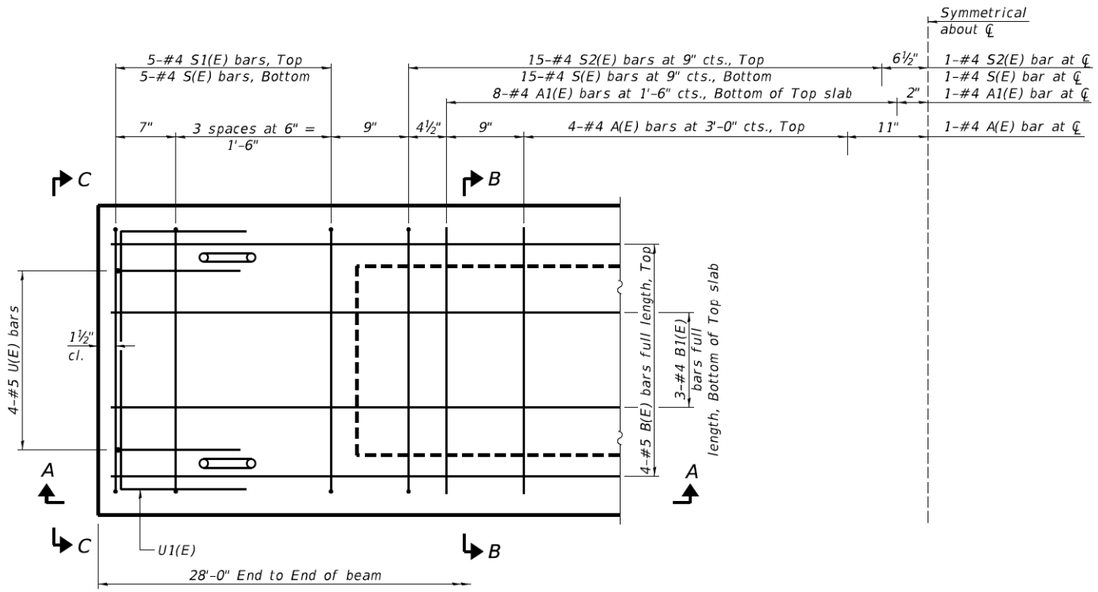
SECTION A-A



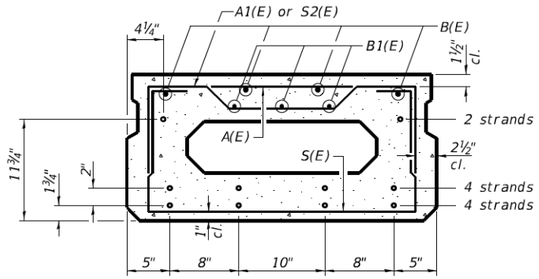
SECTION B-B
(Showing dimensions)



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.

MINIMUM BAR LAP
#4 bar = 1'-11"
#5 bar = 2'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	9	#4	2'-7"	—
A1(E)	17	#4	2'-10"	⌒
B(E)	4	#5	27'-10"	—
B1(E)	3	#4	27'-10"	—
S(E)	41	#4	5'-9"	⊔
S1(E)	10	#4	4'-3"	⊓
S2(E)	31	#4	4'-6"	⊓
U(E)	8	#5	3'-8"	⊏
U1(E)	2	#4	5'-0"	⊐

NOTE:
See Structural Sheet 5 of 14 for additional details and Bill of Material.

FILE = S:\PROJECTS\2018\1194D18.MCH\CAD\SHEETS\SN 056-3142\1194D18_3142-17in x 36in PPC Deck Beam.dgn

WILLETT HOFMANN & ASSOCIATES INC ENGINEERING ARCHITECTURE LAND SURVEYING 809 EAST 2ND STREET, DIXON, IL 61021-0367 TEL 815-284-3381 DESIGN FIRM: #184-000918	DESIGNED - SM CHECKED - PLP DRAWN - RDA CHECKED - PLP	REVISED - REVISED - REVISED - REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION F.A.U. 165 (W. SOLON RD.) OVER N. BR. OF NIPPERSINK CK. STATION 10+03

17" x 36" PPC DECK BEAM
STRUCTURE NO. 056-3142
STRUCTURAL SHEET NO. 4 OF 14 SHEETS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	18-00485-00-BI	MCHENRY	15	5
		WHA* 1194D18		
	ILLINOIS			

FOR INFORMATION ONLY

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange PLOT SCALE = 20:0.0000 ':" / in. PLOT DATE = 2/20/2026	DESIGNED - K. KOLODZIEJCZYK CHECKED - M. LANGE DRAWN - K. KOLODZIEJCZYK CHECKED - M. LANGE	REVISED - REVISED - REVISED - REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR PLANS
STRUCTURE NO. 056-9142
SHEET S35 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	97
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

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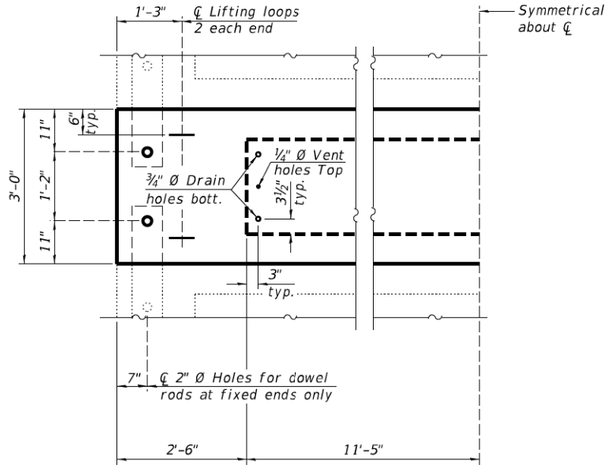
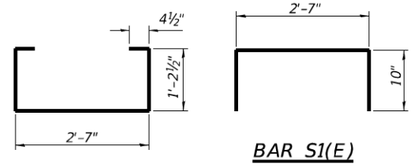
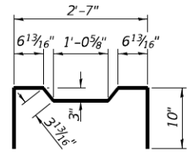


PLAN VIEW

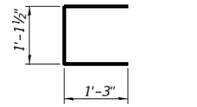


BAR S(E)

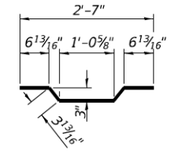
BAR S1(E)



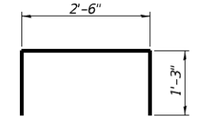
BAR S2(E)



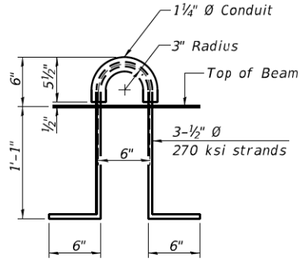
BAR U(E)



BAR A1(E)



BAR U1(E)



LIFTING LOOP DETAIL

NOTES:

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

A minimum 2½" 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.

BILL OF MATERIAL

Item	Unit	Quantity
Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	756

FILE = Sx\PROJECTS\2018\1194D18_MCH\CAD_SHEETS_SN 056-3142\1194D18_3142-17in x 36in PPC Deck Beam Details.dgn

WILLETT HOFMANN & ASSOCIATES INC ENGINEERING ARCHITECTURE LAND SURVEYING 809 EAST 2ND STREET, DIXON, IL 61021-0367 T: 815-284-3381 DESIGN FIRM: # 184-000918	DESIGNED - SM	REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION F.A.U. 165 (W. SOLON RD.) OVER N. BR. OF NIPPERSINK CK. STATION 10+03
	CHECKED - PLP	REVISED -	
	DRAWN - RDA	REVISED -	
	CHECKED - PLP	REVISED -	

17" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 056-3142
STRUCTURAL SHEET NO. 5 OF 14 STRUCTURAL SHEETS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	18-00485-00-BI	MCHENRY	15	6
		WHA* 1194D18		
	ILLINOIS			

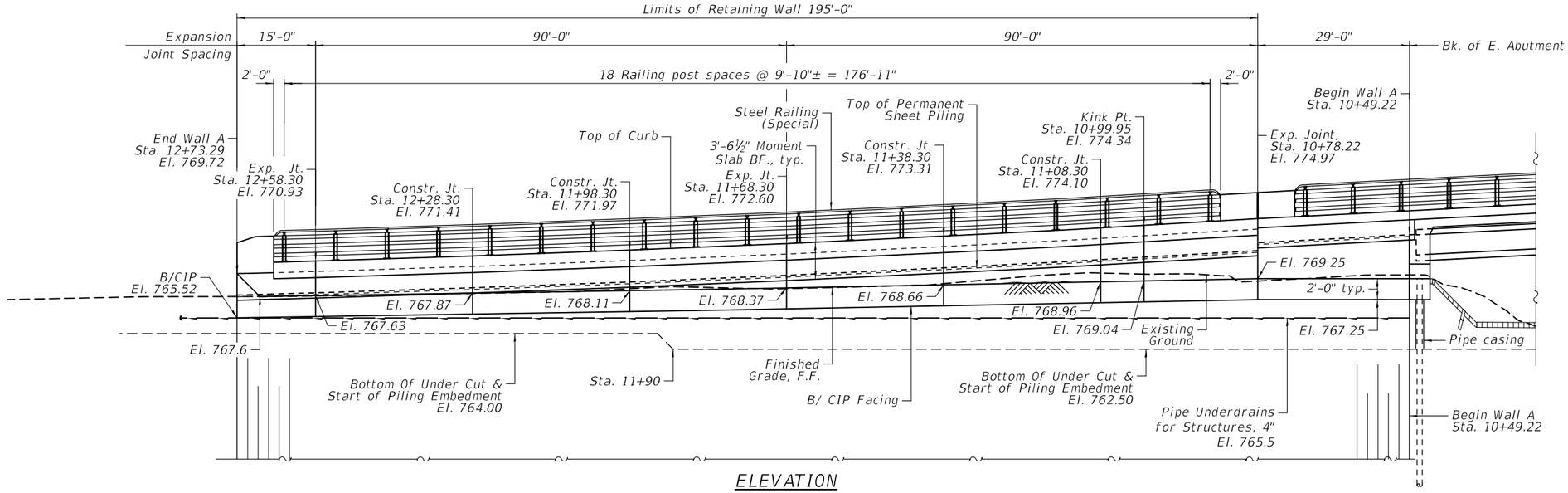
FOR INFORMATION ONLY

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -
		CHECKED - M. LANGE	REVISED -
	PLOT SCALE = 20:0.0000 ':' / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -
	PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR PLANS
STRUCTURE NO. 056-9142
SHEET S36 OF S36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	98
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



ELEVATION

(Unfolded Elevation – Opposite of plan)

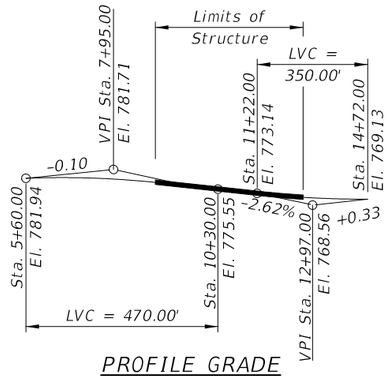
DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

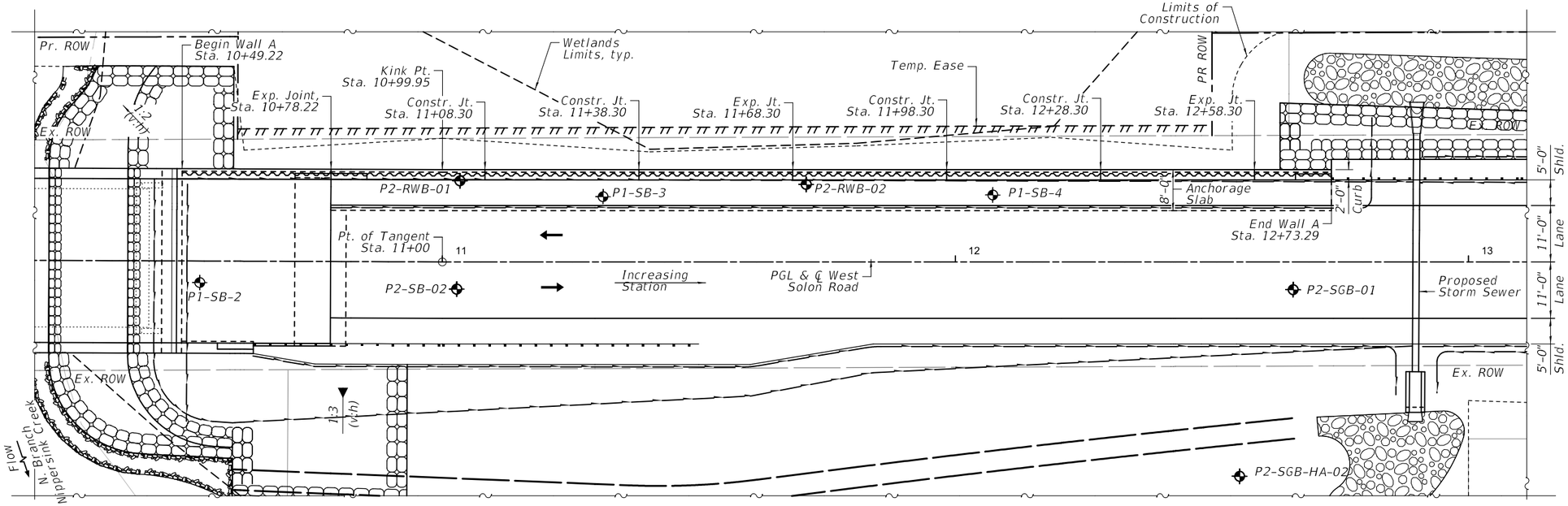
FIELD UNITS

f'c = 4,000 psi (Moment Slab)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)



PROFILE GRADE

(along PGL of West Solon Road)



PLAN

N

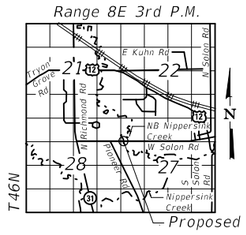
LEGEND

- River Rock
- Articulated Block Revetment Mat
- A — Existing Aerial Lines
- Proposed Pipe Underdrain
- Soil Boring (P1=Phase 1; P2= Phase 2)

STATE OF ILLINOIS
MELISSA LANGE
081-006488
LICENSED STRUCTURAL ENGINEER

01-12-2026
MELISSA LANGE, S.E.
IL REG. STR. ENG. NO. 081-006488
EXPIRATION DATE 11-30-2026
SHEETS R1 - R11

I certify to the best of my knowledge, information and belief, this Retaining Wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of the structure and complies with the requirements of the 2020 AASHTO LRFD Bridge Design Specifications.



LOCATION SKETCH

WALL A: GENERAL PLAN & ELEVATION
WEST SOLON ROAD
OVER NORTH BRANCH NIPPERSINK CREEK
FAU 165 – SEC 19-00510-00-BR
MCHENRY COUNTY
STA 10+49.22 TO STA 12+73.29

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -
		CHECKED - M. LANGE	REVISED -
	PLOT SCALE = 24:0.0000 ':' / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -
	PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALL A: GENERAL PLAN & ELEVATION
STRUCTURE NO. 056-9142
SHEET R1 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	99
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

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2/20/2026 11:26:19 AM

GENERAL NOTES

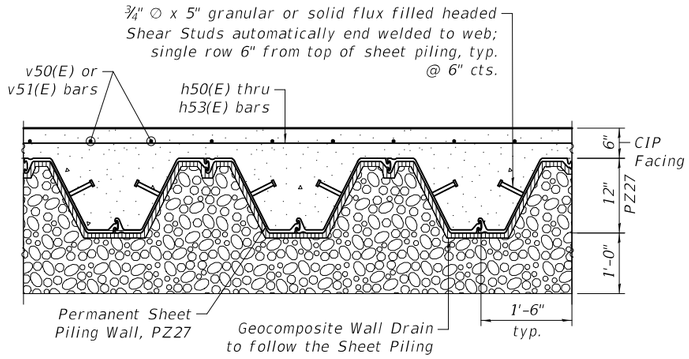
All hardware required for sheet pile cap shall be Hot-Dip Galvanized to Article 1006.08(b) of the Standard Specifications.

The cost of furnishing and installing the fabricated sheet pile cap, including all the hardware, shall be included in the cost of Permanent Sheet Piling.

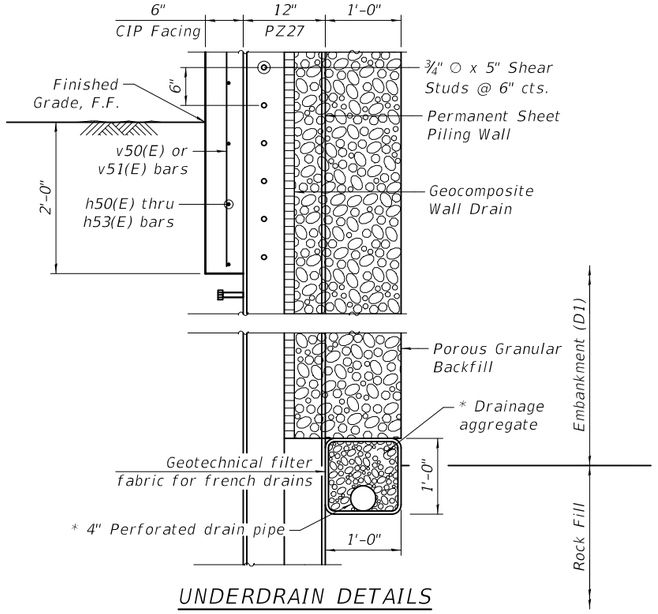
Reinforcement bars designated (E) shall be epoxy coated.

Construction Vibration Monitoring to occur at Parcel Index Number 04-28-200-003 and PIN 04-28-200-033 for driving Permanent Sheet Piling for the retaining wall

Sheet pile driving operations shall occur from the roadway. Do not enter the Wetlands.

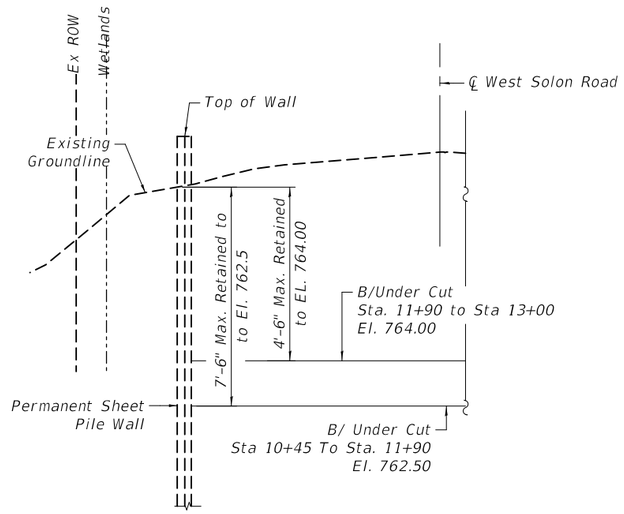


PLAN VIEW - GEOCOMPOSITE WALL DRAIN



UNDERDRAIN DETAILS FOR SHEET PILING WALL

* Included in the cost of Pipe Underdrains for Structures.

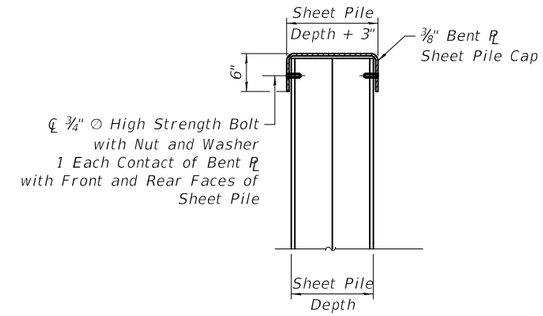


PERMANENT SHEET PILE RETAINING WALL

(Max. Retained Heights during Construction)

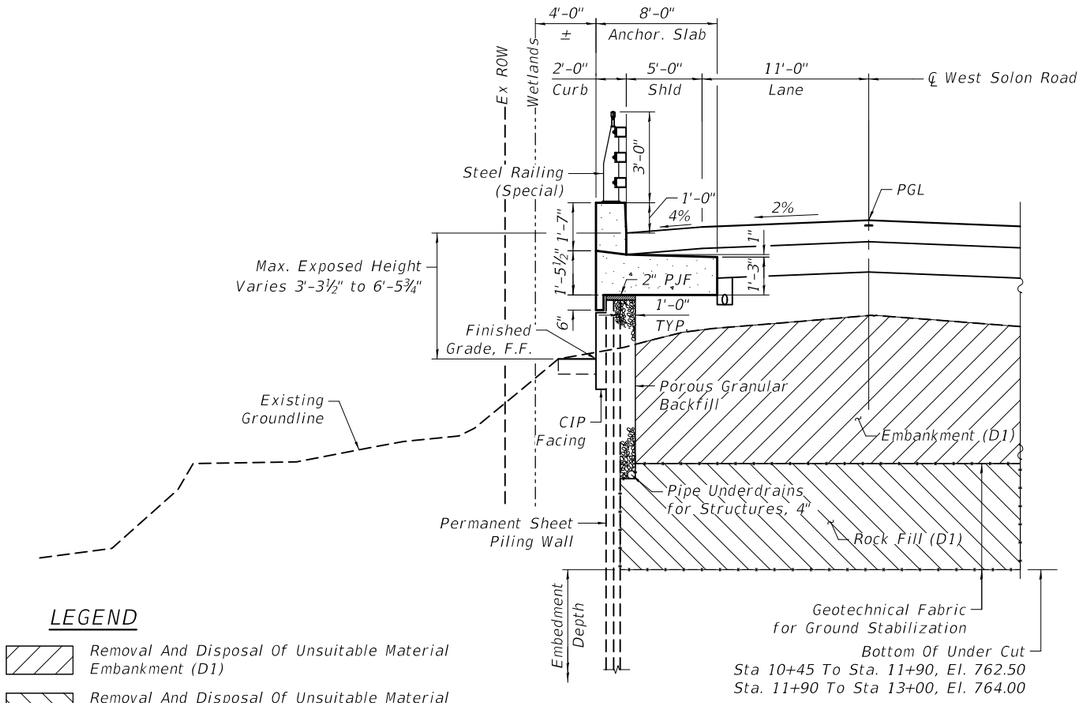
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Backfill	Cu. Yd.	44
Concrete Structures	Cu. Yd.	24.0
Concrete Superstructures	Cu. Yd.	103.5
Protective Coat	Sq. Yd.	71
Stud Shear Connectors	Each	1,119
Reinforcement Bars, Epoxy Coated	Pound	18,960
Permanent Sheet Piling	Sq. Ft.	6,250
Geocomposite Wall Drain	Sq. Yd.	126
Pipe Underdrains for Structures, 4"	Foot	241
Construction Vibration Monitoring	Each	2
Steel Railing (Special)	Foot	181



SECTION THRU CAP

Cap included in the Cost of Permanent Sheet Piling



LEGEND

Removal And Disposal Of Unsuitable Material Embankment (D1)

Removal And Disposal Of Unsuitable Material Rock Fill (D1) with Geotechnical Fabric for Ground Stabilization

PERMANENT SHEET PILE RETAINING WALL

MODEL: Default
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ENGINEERING RESOURCE ASSOCIATES

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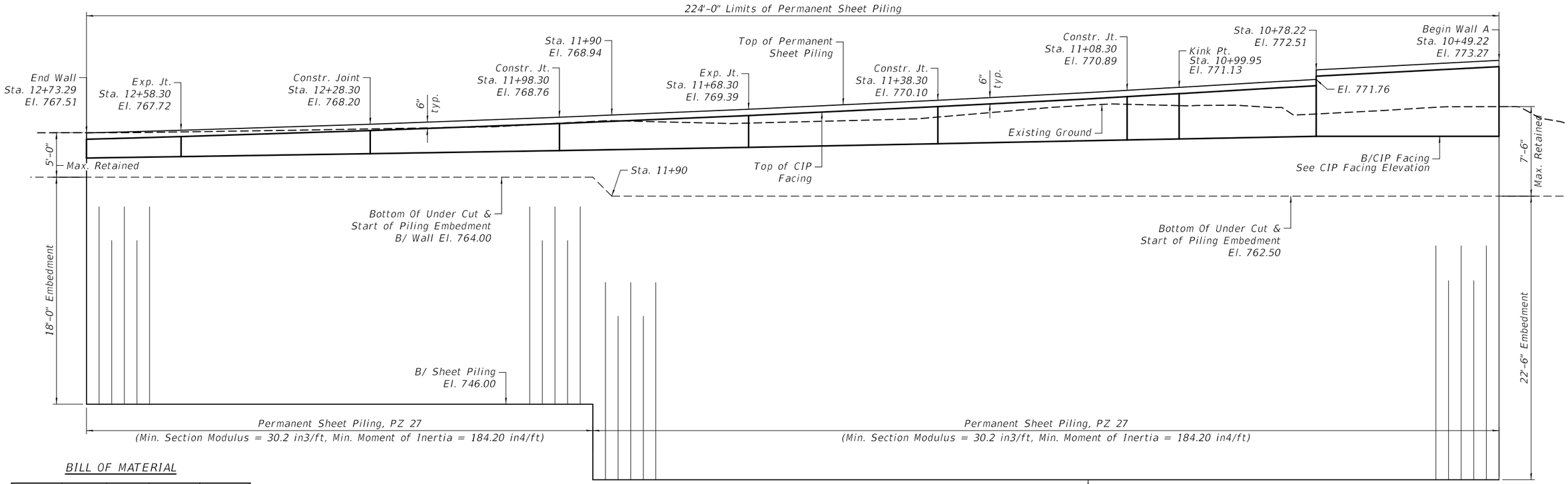
	CHECKED - M. LANGE	REVISED -
PLOT SCALE = 10:0.0000 ':' / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 056-9142

SHEET R2 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	100
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h50(E)	12	#5	33'-8"	——
h51(E)	7	#5	29'-8"	——
h52(E)	3	#5	14'-8"	——
h53(E)	7	#5	28'-8"	——
v50(E)	196	#5	3'-8"	——
v51(E)	30	#5	5'-2"	——

Item	Unit	Total
Porous Granular Backfill	Cu. Yd.	44
Concrete Structures	Cu. Yd.	24.0
Reinforcement Bars, Epoxy Coated	Pound	1,810
Stud Shear Connectors	Each	1,119
Permanent Sheet Piling	Sq. Ft.	6,205
Geocomposite Wall Drain	Sq. Yd.	126
Pipe Underdrains for Structures, 4"	Foot	241

Notes:
Bars indicated thus 3x2-#5 etc. indicates 3 lines of bars with 2 lengths per line.

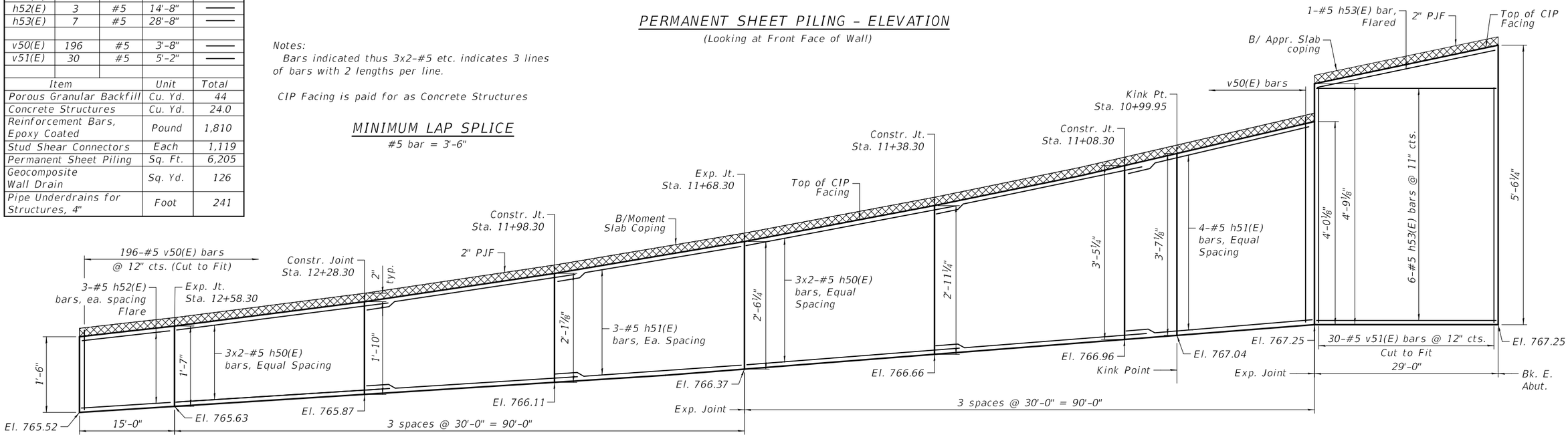
CIP Facing is paid for as Concrete Structures

MINIMUM LAP SPLICE

#5 bar = 3'-6"

PERMANENT SHEET PILING - ELEVATION

(Looking at Front Face of Wall)



CIP FACING ELEVATION

(Looking at Front Face of Wall)

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ENGINEERING RESOURCE ASSOCIATES

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		CHECKED - M. LANGE	REVISED -	
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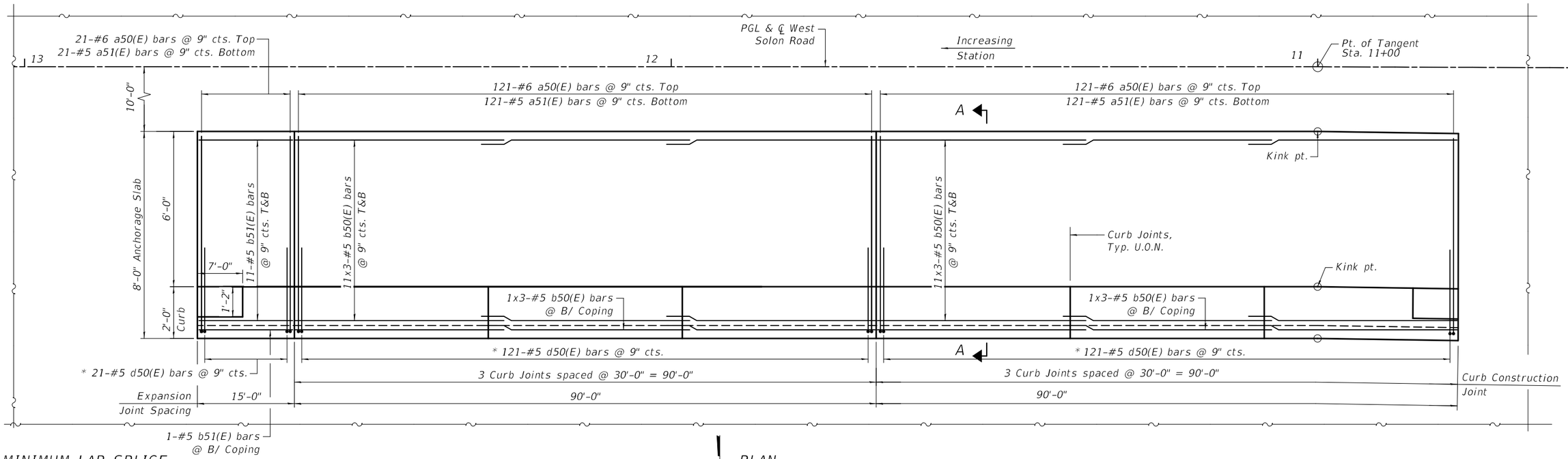
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT SHEET PILING
STRUCTURE NO. 056-9142
SHEET R3 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	101
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



MINIMUM LAP SPLICE

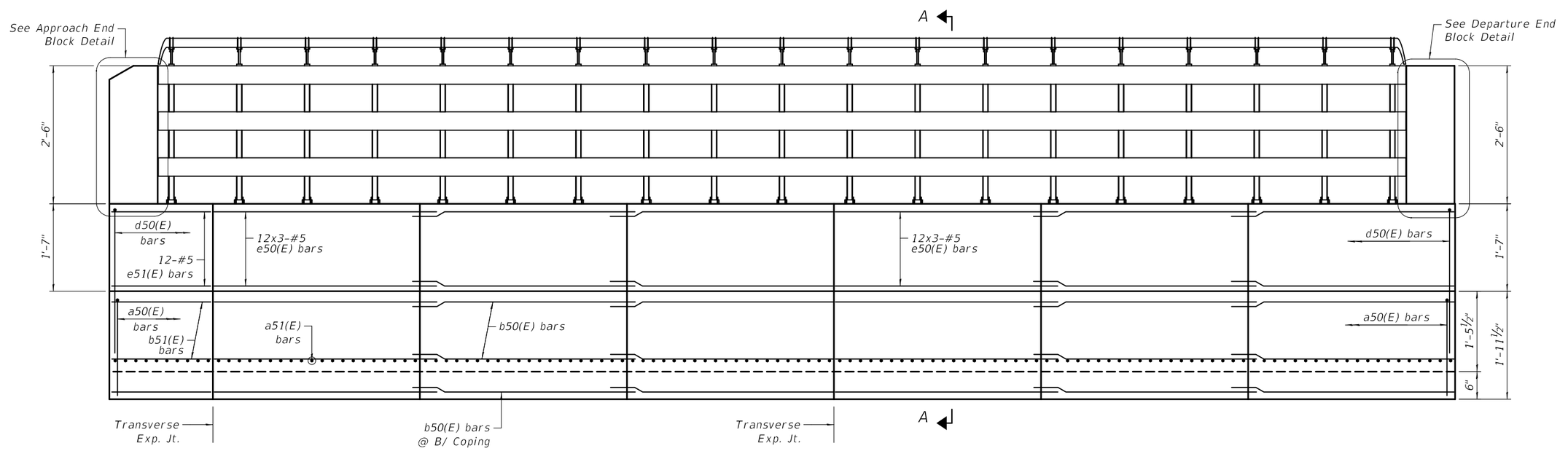
#5 = 3'-6" (Anchorage Slab)

Note:
Bars indicated thus 3x2-#5 etc. indicates 3 lines of bars with 2 lengths per line.

N

PLAN

* 2-#5 d50(E) bars additional @
Each post (19 posts, thus 38 additional)



ELEVATION

(Looking at Back Face of Moment Slab)

MODEL: Default
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2/20/2026 11:26:29 AM

ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - M. LANGE	REVISED -	
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	PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

ANCHORAGE SLAB
STRUCTURE NO. 056-9142
SHEET R4 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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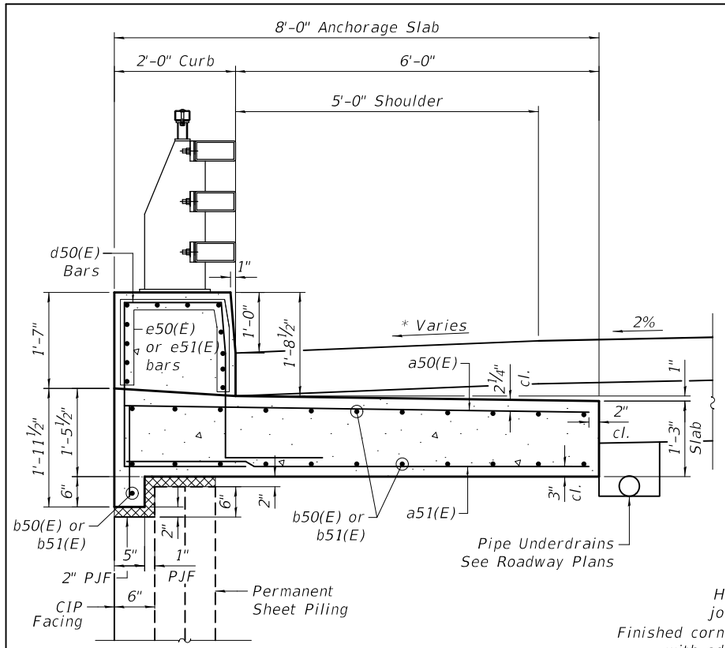
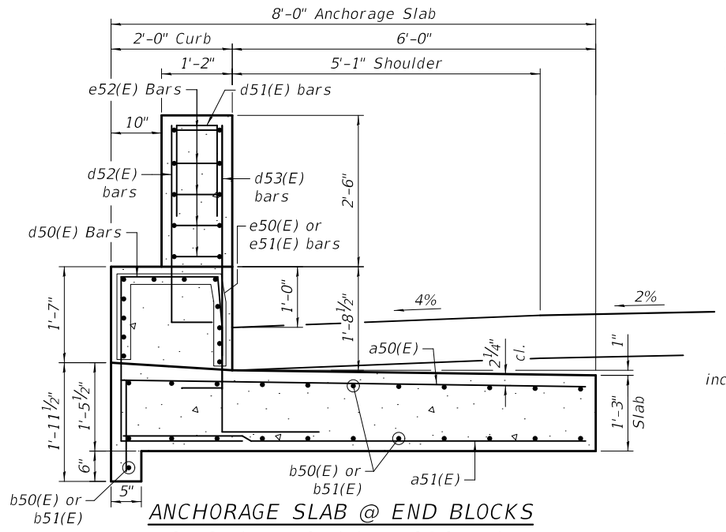
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



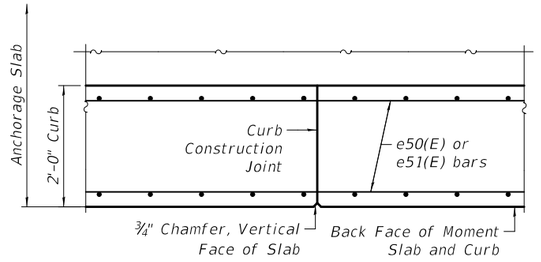
SECTION A-A – ANCHORAGE SLAB SECTION

* Shoulder Transition from 2% at approach slab to 4% at Sta. 11+15.22



ANCHORAGE SLAB @ END BLOCKS

See Section A-A for balance of Information

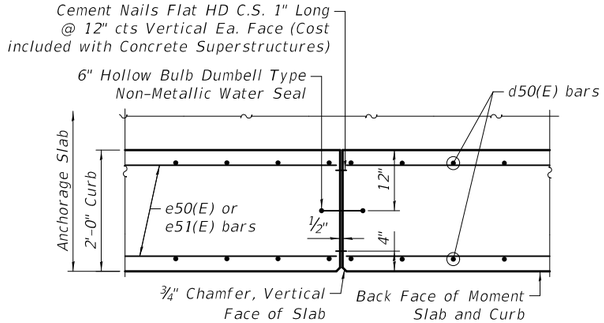


TRANSVERSE CONSTRUCTION JOINT – PLAN

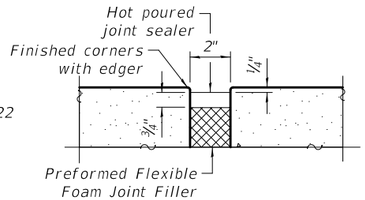
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a50(E)	263	#6	9'-2"	
a51(E)	263	#5	7'-8"	
b50(E)	138	#5	32'-3"	
b51(E)	23	#5	14'-8"	
d50(E)	301	#5	10'-4"	
d51(E)	28	#5	3'-10"	
d52(E)	28	#5	3'-11"	
d53(E)	28	#5	5'-0"	
e50(E)	72	#5	32'-3"	
e51(E)	12	#5	14'-8"	
e52(E)	20	#5	10'-0"	

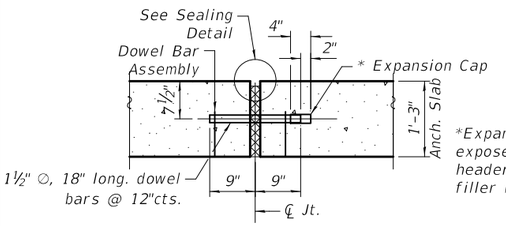
Item	Unit	Total
Concrete Superstructures	Cu. Yd.	103.5
Protective Coat	Sq. Ft.	71.0
Reinforcement Bars, Epoxy Coated	Pound	17,150
Steel Railing (Special)	Foot	181



TRANSVERSE EXPANSION JOINT – PLAN



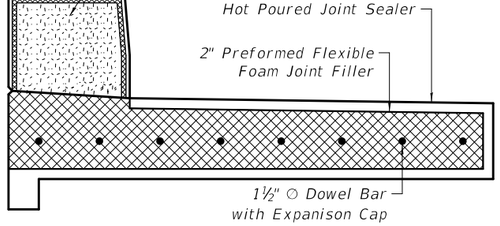
SEALING DETAIL



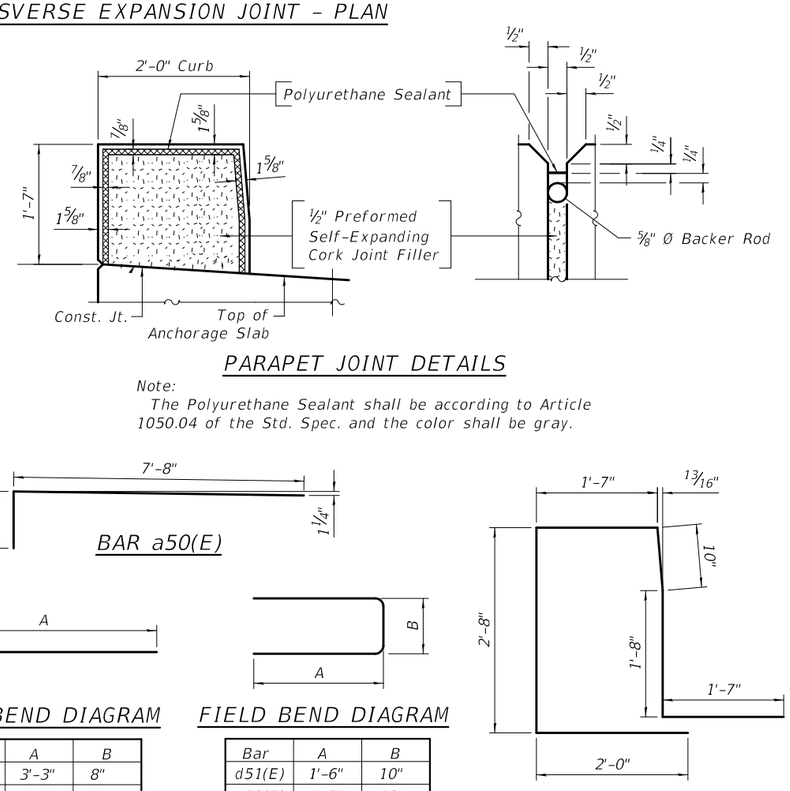
*Expansion caps shall be installed on the exposed end of each dowel bar once the header has been rewmoved and the joint filler material has been installed.

TRANSVERSE EXPANSION JOINT

Expansion Joint and Dowel Bars included in the cost of Concrete Superstructures

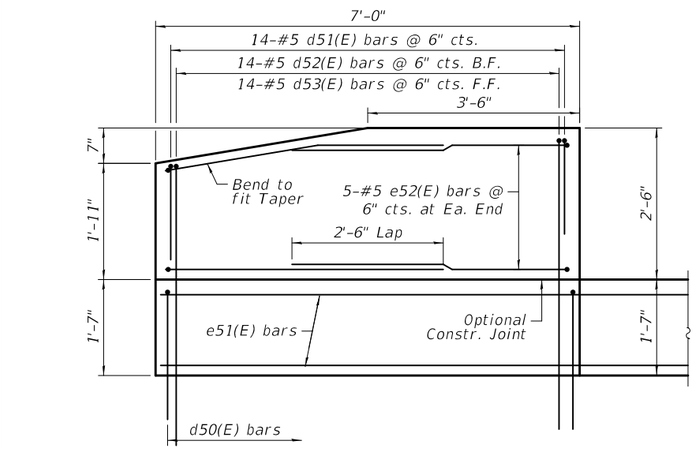


TRANSVERSE EXPANSION JOINT SECTION

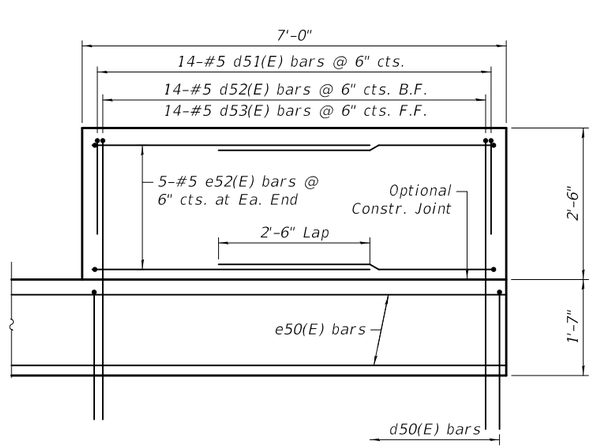


PARAPET JOINT DETAILS

Note:
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.



APPROACH END BLOCK DETAIL



DEPARTURE END BLOCK DETAIL

BAR a50(E)

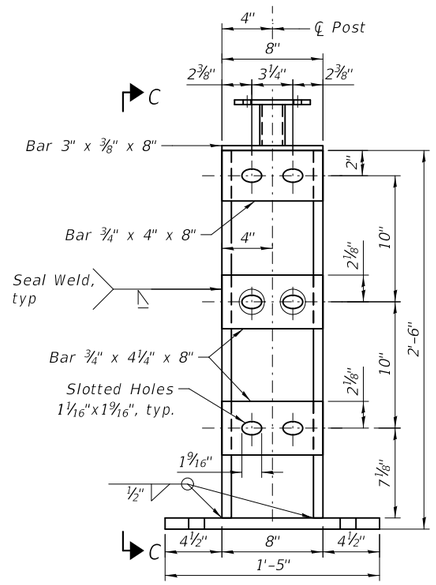
FIELD BEND DIAGRAM

Bar	A	B
d52(E)	3'-3"	8"
d53(E)	4'-4"	8"

FIELD BEND DIAGRAM

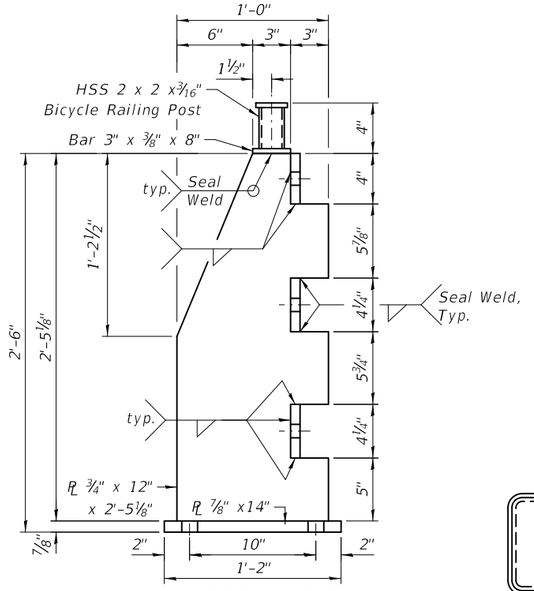
Bar	A	B
d51(E)	1'-6"	10"
e52(E)	4'-7"	10"

BAR d50(E)



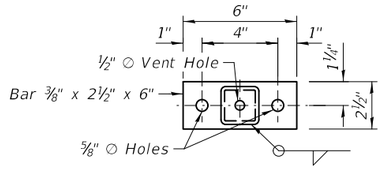
POST DETAIL

FRONT VIEW

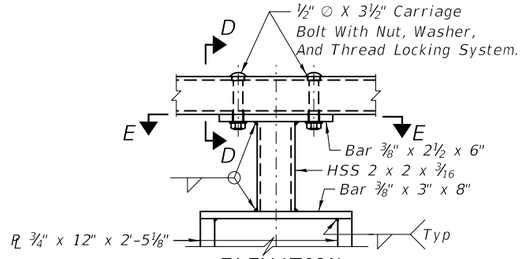


SECTION C-C

SIDE VIEW

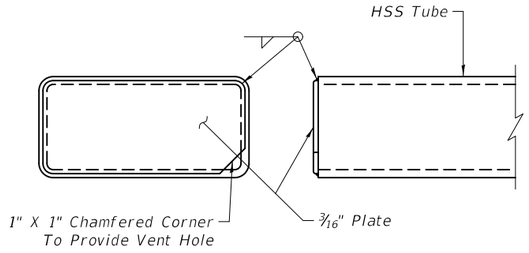


SECTION E-E



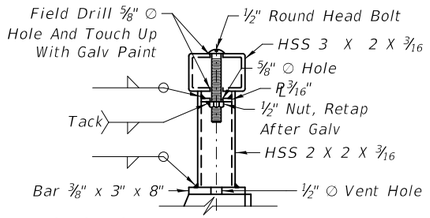
ELEVATION

Bar ¾" x 4" x 8" omitted for clarity

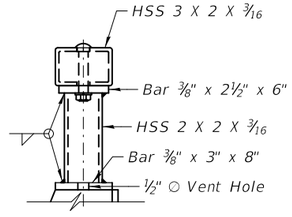


RAIL END CAP

For vehicular rail tubes and bicycle rail tubes

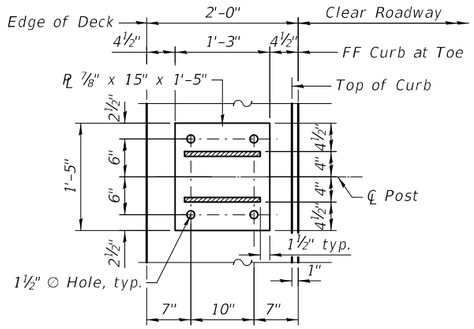


SECTION D-D – ALTERNATIVE



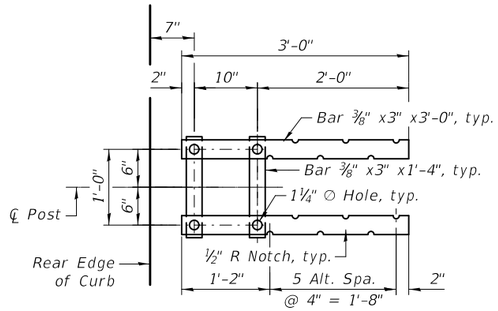
SECTION D-D

BICYCLE RAILING CONNECTION DETAILS



SECTION B-B

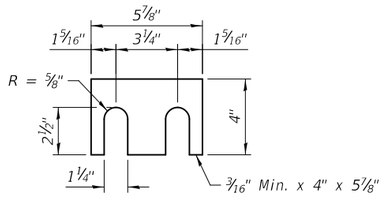
BASE PLATE



SECTION B-B

TYPE 1 ANCHOR BAR DETAIL

Note: Anchor Bolts may be tack welded to anchorage

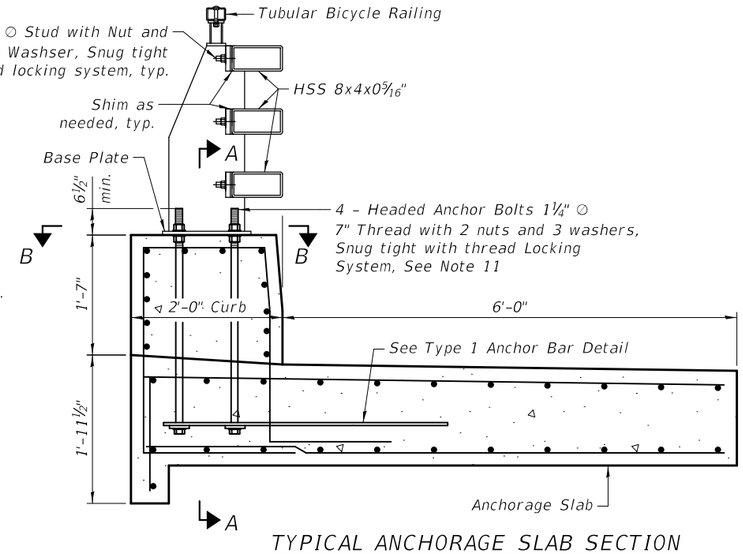


SHIM DETAILS

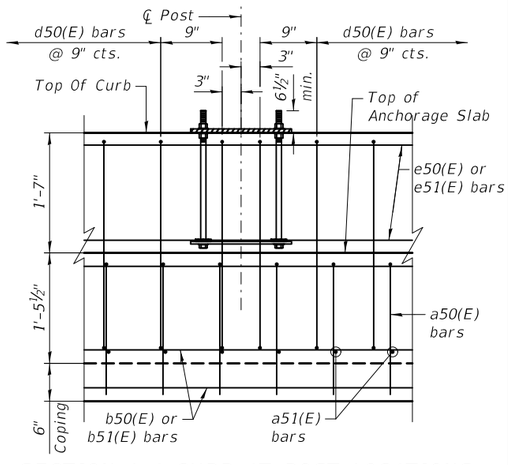
Shims as needed to get full bearing between posts and HSS ral tubes.

GENERAL NOTES

1. All railing components shall be galvnized. Type 1 anchor bar is not galvanized.
2. HS bolts with nut and washers, snug tightened, and thread locking system.
3. For rail splices use ½"∅ X 3 5/16 BOLTS (HSS 3 X 2 X 3/16) and use ¾"∅ X 5 5/16 BOLTS (HSS 8 X 4 X 5/16)
4. Each rail length must be continuous over a minimum of two posts.
5. The fabricator must check that the tubular sleeve splices conform to the dimensions indicated to assure proper clearance.
6. Not more than one splice permitted per same side of post.
7. All horizontal members are parallel to longitudinal profile grade.
8. Posts are normal to profile grade of structure.
9. Posts are vertical in the transverse cross section to the profile grade.
10. Anchor bolts may be tack welded to anchorage.
11. Use extra thick washers for anchor bolts, with a minimum thickness of 0.305" and a maximum thickness of 0.375"
12. All railing components shall be paid for as Steel Railing (Special).



TYPICAL ANCHORAGE SLAB SECTION



SECTION A-A CURB AT POST LOCATIONS

Post not shown for clarity

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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -		
		CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 2:0.0000 ':' / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING DETAILS
STRUCTURE NO. 056-9142
SHEET R6 OF 836 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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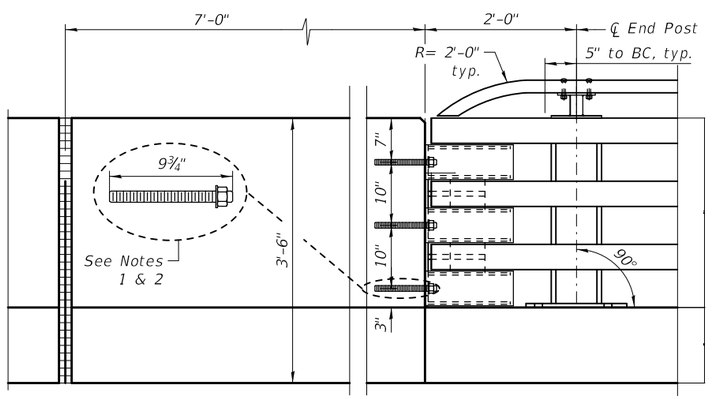
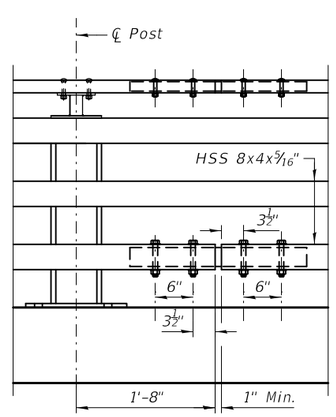
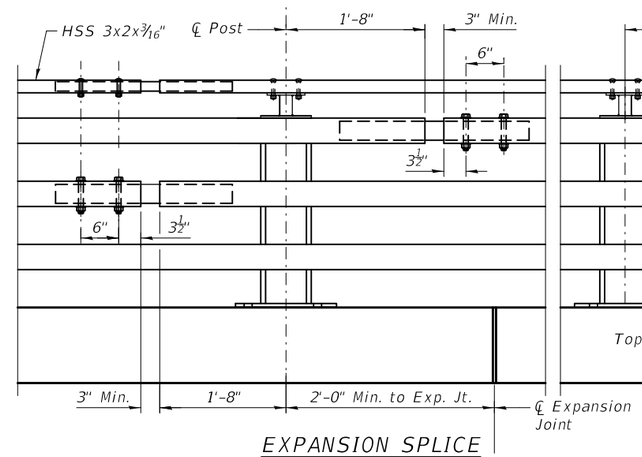
		ILLINOIS	FED. AID PROJECT	



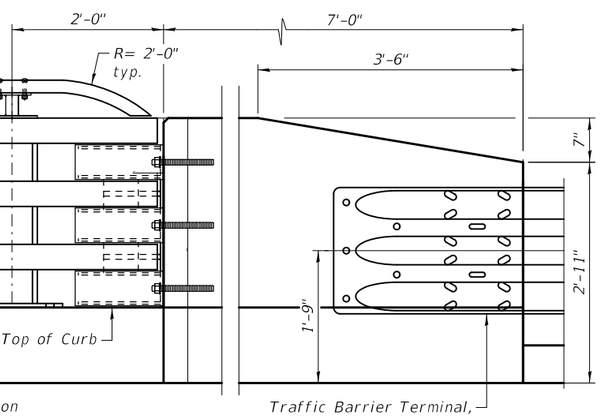
ELEVATION AT TERMINAL



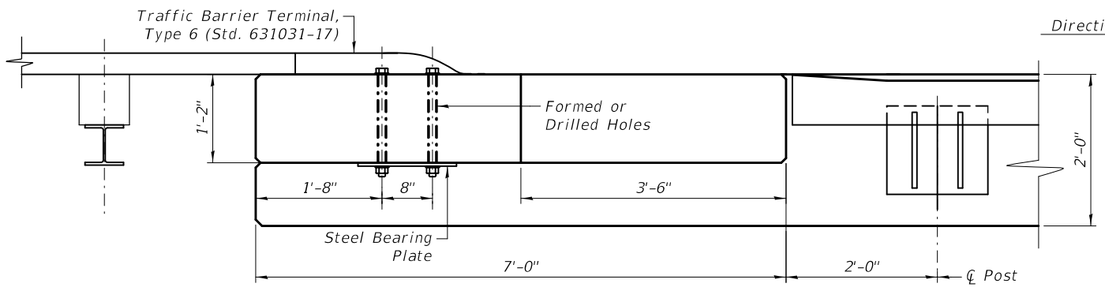
STANDARD SPLICE



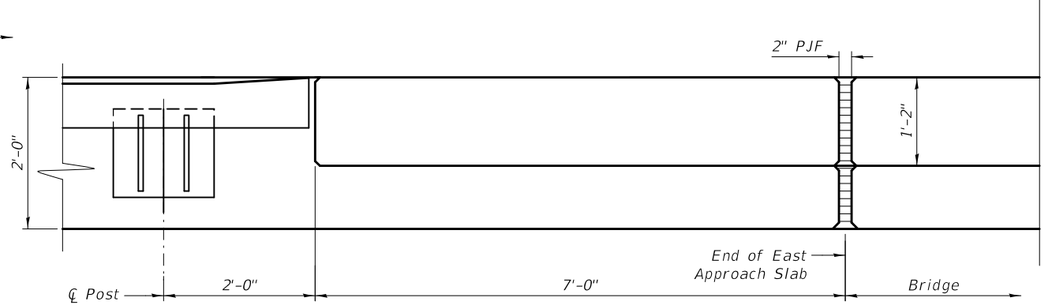
EXPANSION SPLICE



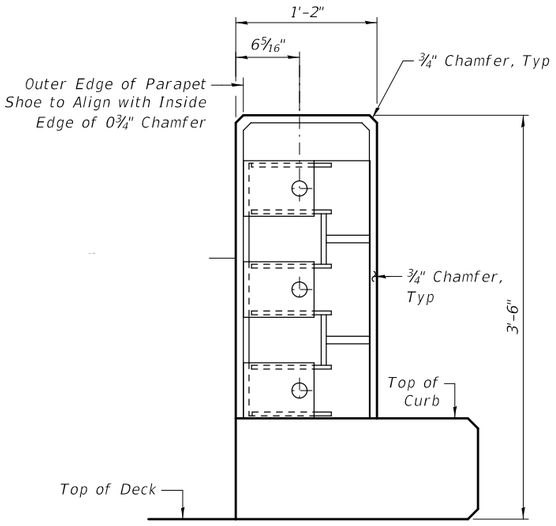
ELEVATION AT TERMINAL



PLAN – APPROACH END BLOCK DETAIL

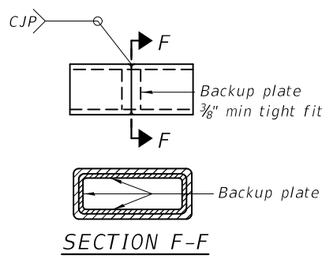


PLAN – DEPARTURE END BLOCK DETAIL



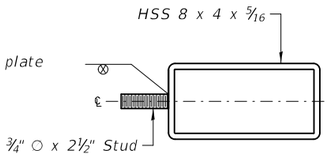
SECTION M-M

Bridge railing not shown for clarity.

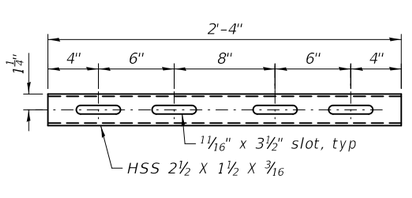


SECTION F-F

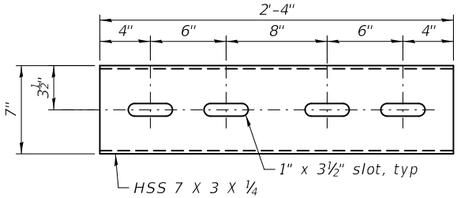
ALTERNATE TUBE WELDED STANDARD SPLICE



RAIL SECTION AT POST

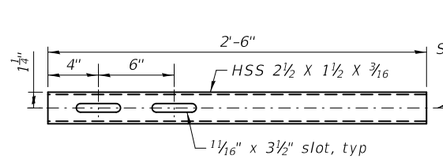


HSS 3 X 2 X 3/16" Rail

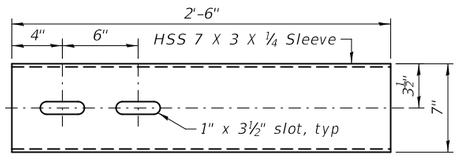


HSS 8 X 4 X 5/16 Rail

STANDARD SLEEVES DETAILS



HSS 3 X 2 X 3/16" Rail



HSS 8 X 4 X 5/16 Rail

EXPANSION SLEEVES DETAILS

Notes:

Anchor bolts must be ⅞" Dia and ASTM F1554 Grade 105 fully threaded rods with heavy hex nut and one hardened washer (1¾" OD) each. Embed threaded rods 8" into concrete anchor block with Drill and Bond (Chemical Adhesive) anchorage system.

Drill and Bond (Chemical Adhesive) anchorages are subjected to approval of Engineer. Installation procedure must comply with manufacturer's instructions.

BILL OF MATERIAL

Item	Unit	Total
Steel Railing (Special)	Foot	181

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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK		REVISED -	
		CHECKED - M. LANGE		REVISED -	
PLOT SCALE = 2:0.0000 ':' / in.		DRAWN - K. KOLODZIEJCZYK		REVISED -	
PLOT DATE = 2/20/2026		CHECKED - M. LANGE		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING
STRUCTURE NO. 056-9142
SHEET R7 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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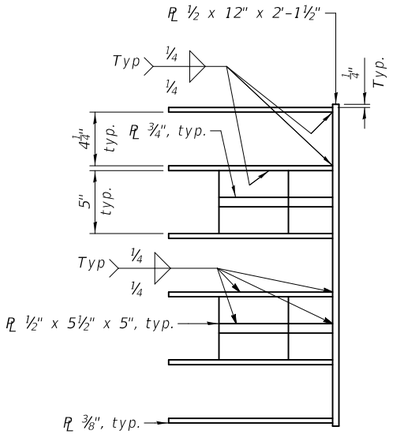
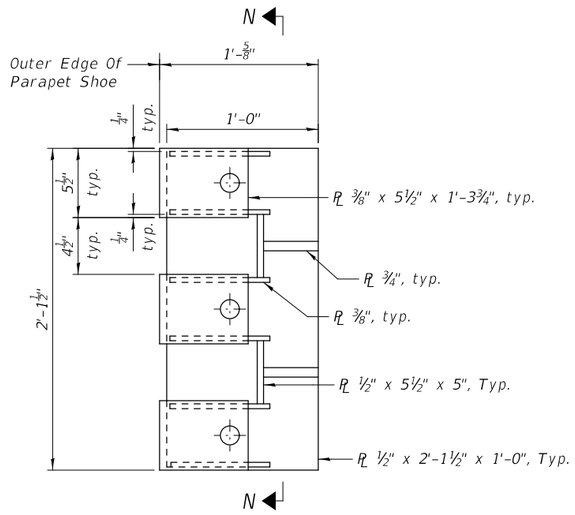
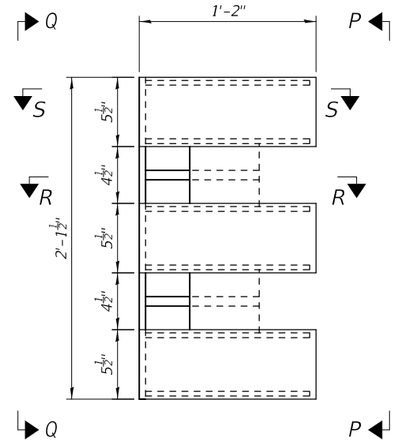
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



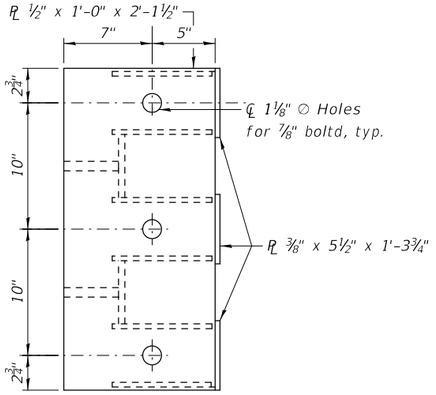
SECTION N-N



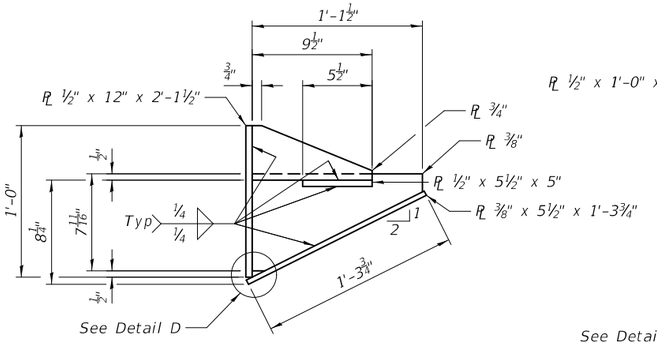
VIEW P-P



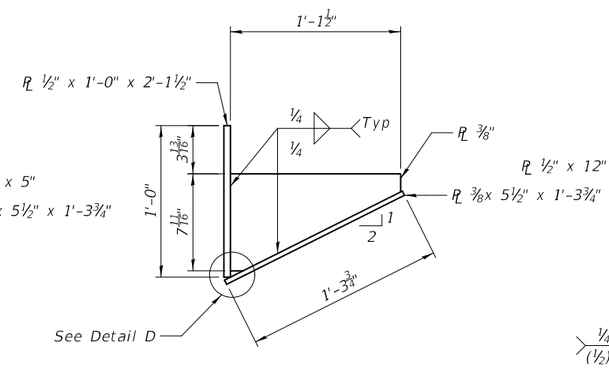
PARAPET SHOE ELEVATION



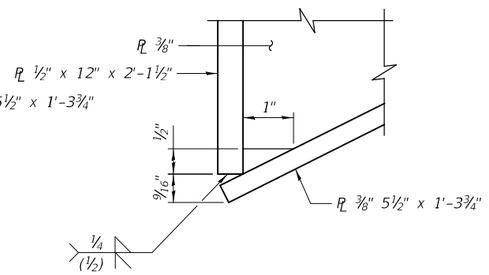
VIEW Q-Q



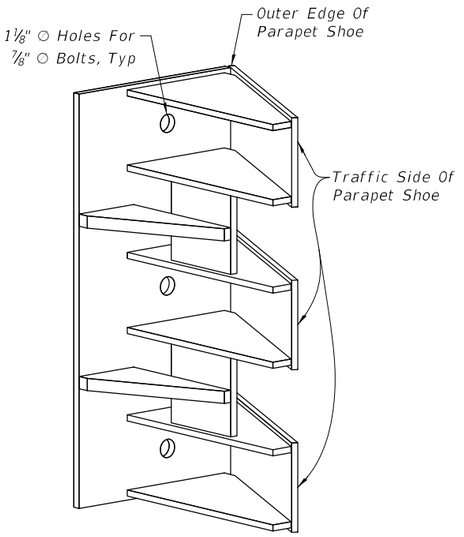
SECTION R-R



SECTION S-S



DETAIL D



ISOMETRIC VIEW

Isometric rear view
mirrored to show more details.

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2/20/2026 11:26:33 AM

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -
	CHECKED - M. LANGE	REVISED -
PLOT SCALE = 2:0.0000 ':" / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING DETAILS
STRUCTURE NO. 056-9142
SHEET R8 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	106
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG RWB-01

WEI Job No.: KE225178

Client: **Engineering Resource Associates, Inc.**
Project: **West Solon Road -Phase II**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 769.99 ft
North: 2102974.35 ft
East: 994424.36 ft
Station: 11+03.45
Offset: 15.82 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	769.3	Loose, dark brown to brown SAND, trace gravel; damp to moist --FILL--			1	7 4 4 5	NP	6
	768.0	Black SILTY CLAY LOAM --FILL--						
		Very loose to medium dense, black to dark brown SANDY LOAM to LOAM, trace to little gravel; moist --RDR 2--			2	5 4 4 5	NP	10
			5		3	7 3 3 4	NP	9
	763.7	Very loose, black SAND, trace gravel; moist --RDR 2--			4	3 1 2 2	NP	20
	762.0	Loose, gray SANDY GRAVEL to Gravelly SAND; saturated --RDR 2--				6 5 4 4		
	761.2	Loose to medium dense, gray, medium SAND, trace gravel; saturated --RDR 2--	10		5		NP	18
		--silty--			6	5 4 8	NP	19
			15		7	7 11 10	NP	15
	754.5	Medium dense, brown SAND, some gravel; saturated --clay seam-- --RDR 2--			8	13 10 5	NP	8
	753.1	Gray CLAY						
	752.0	Medium dense, SAND						
	751.2	Hard, gray SILTY CLAY, trace gravel; moist --RDR 2-3--			9	6 11 10	4.43 B	11
	750.5	Medium dense, SAND	20					
	749.5	Very stiff, gray SILTY CLAY, trace gravel; moist --sand seams-- --RDR 2--			10	4 7 5	2.54 B	21
	747.0	Medium dense, GRAVEL						
	746.2	Loose to medium dense, brown to gray SILT, trace gravel; moist to wet --RDR 2--	25		11	4 9 10	NP	18
		--clayey--			12	2 2 3	NP	19
		--clayey--	30		13	3 3 2	NP	19

GENERAL NOTES

Begin Drilling: **03-04-2024** Complete Drilling: **03-04-2024**
Drilling Contractor: **Wang Testing Services** Drill Rig: **20D50T [80%]**
Driller: **RH&JD** Logger: **A. Scifers** Checked by: **C. Marin**
Drilling Method: **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **8.00 ft**
At Completion of Drilling: **24.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE225178.GPJ WANGENG.GDT 5/9/24

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG RWB-01

WEI Job No.: KE225178

Client: **Engineering Resource Associates, Inc.**
Project: **West Solon Road -Phase II**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 769.99 ft
North: 2102974.35 ft
East: 994424.36 ft
Station: 11+03.45
Offset: 15.82 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
	738.2	Medium stiff, gray SILTY CLAY, trace gravel; moist --RDR 2--						
	735.0	Boring terminated at 35.00 ft	35		14	3 3 4	0.41 B	22
			40					
			45					

GENERAL NOTES

Begin Drilling: **03-04-2024** Complete Drilling: **03-04-2024**
Drilling Contractor: **Wang Testing Services** Drill Rig: **20D50T [80%]**
Driller: **RH&JD** Logger: **A. Scifers** Checked by: **C. Marin**
Drilling Method: **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **8.00 ft**
At Completion of Drilling: **24.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE225178.GPJ WANGENG.GDT 5/9/24

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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange		DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS STRUCTURE NO. 056-9142
		CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 20:0.0000 ':' / in.		DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026		CHECKED - M. LANGE	REVISED -		SHEET R9 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	107
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG RWB-02

WEI Job No.: KE225178

Client: **Engineering Resource Associates, Inc.**
Project: **West Solon Road -Phase II**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 768.59 ft
North: 2102974.02 ft
East: 994491.84 ft
Station: 11+70.93
Offset: 15.11 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
		Dark brown SANDY GRAVEL --FILL--						
	767.8	Medium stiff, dark brown CLAY LOAM to LOAM, little to some gravel; moist --FILL-- --RDR 2--			1	8 5 5	0.50 P	10
	765.1	Stiff, black SILTY CLAY LOAM, trace gravel and organic matter; moist --Buried TOPSOIL-- --RDR 2-- --Organic Content=7.4%-- --L_L(%)=73, P_L(%)=31-- --%Gravel=1.8-- --%Sand=17.2-- --%Silt=55.2-- --%Clay=25.8-- --A-7-5 (38)--	5	PUSH	2		1.00 P	35
	762.3	Loose, gray SAND, trace gravel; wet --RDR 2--			3	2 2 3	1.00 P	35
	760.6	Stiff, gray Gravelly SILTY CLAY LOAM; moist						
	759.8	Gray SILTY LOAM; moist						
	759.1	Gray SAND; moist to saturated	10	PUSH	4		NP	16
	757.8	Medium dense, gray Gravelly SAND; saturated --RDR 2--			5	9 8 8	NP	9
			15		6	7 8 10	NP	11
	753.1	Medium dense, brown SAND to SANDY LOAM, trace to little gravel; saturated --RDR 2--			7	3 4 10	NP	20
			20		8	4 10 10	NP	19
	745.6	Medium dense, gray SILT, trace gravel; saturated --RDR 2--			9	4 5 12	NP	17
			25		10	5 5 6	NP	23
	743.1	Soft to medium stiff, gray SILTY CLAY, trace gravel; moist --RDR 2--			11	1 2 1	0.25 B	20
			30		12	3 3 4	0.82 B	21

GENERAL NOTES

Begin Drilling: **03-04-2024** Complete Drilling: **03-04-2024**
Drilling Contractor: **Wang Testing Services** Drill Rig: **20D50T [80%]**
Driller: **RH&JD** Logger: **A. Scifers** Checked by: **C. Marin**
Drilling Method: **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **6.80 ft**
At Completion of Drilling: **20.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE225178.GPJ WANGENG.GDT 5/9/24

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG RWB-02

WEI Job No.: KE225178

Client: **Engineering Resource Associates, Inc.**
Project: **West Solon Road -Phase II**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 768.59 ft
North: 2102974.02 ft
East: 994491.84 ft
Station: 11+70.93
Offset: 15.11 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
		--silt seams--	35		13	1 1 2	0.74 B	21
	728.6	Boring terminated at 40.00 ft	40		14	0 1 4	0.82 B	22
			45					

GENERAL NOTES

Begin Drilling: **03-04-2024** Complete Drilling: **03-04-2024**
Drilling Contractor: **Wang Testing Services** Drill Rig: **20D50T [80%]**
Driller: **RH&JD** Logger: **A. Scifers** Checked by: **C. Marin**
Drilling Method: **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **6.80 ft**
At Completion of Drilling: **20.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC KE225178.GPJ WANGENG.GDT 5/9/24

MODEL: Default
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2/20/2026 11:26:35 AM

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS STRUCTURE NO. 056-9142
	CHECKED - M. LANGE	REVISED -		
PLOT SCALE = 20:0.0000 ':' / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -		
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -		SHEET R10 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	108
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

MSET PROJECT NO.: 21236

LOG OF BORING NO. SB-3

Page 1 of 1

PROJECT: West Solon Road Bridge Replacement

SITE LOCATION: Richmond, Illinois

BORING LOCATION: Station 11+30

CLIENT: ERA, Inc.

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/INTERVAL	SAMPLE NO.	N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
0		FILL - Recycled Asphalt Product (6"	774.0							
		Black to Dark Grey Organic CLAY, trace Fibers, A-7-6 to A-8, very soft to firm	773.5	SS	1	5	8			
				SS	2	4	47		0.5 Qp	
5				SS	3	WOH	37		<0.25 Qp	
				SS	4	2	88		<0.25 Qp	
10				SS	5A	5	83		<0.25 Qp	
		Brown SAND (f-c) with Gravel, A-1, wet, medium dense	762.0	SS	5B	12	8		--	
				SS	6	13	12			
15				SS	7	13	7			
		Grey SAND (f-c) with Gravel, A-1, wet, medium dense	756.0	SS	8	29	21			
20		Grey Clay LOAM, A-6, firm to very soft	753.5	SS	9	25	22		0.97	
				SS	10	4	21		0.85	
25				SS	11	3	21		0.19	
				SS	12	2	21		0.5 Qp	
30		End of Boring at 30'	744.0							

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: 12.0'
IMMEDIATELY AFTER DRILLING:
DELAYED READING AFTER

MSET

BORING STARTED: 3/15/21
BORING COMPLETED: 3/15/21
LOGGED BY: MF
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 21236

LOG OF BORING NO. SB-4

Page 1 of 1

PROJECT: West Solon Road Bridge Replacement

SITE LOCATION: Richmond, Illinois

BORING LOCATION: Station 12+10

CLIENT: ERA, Inc.

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/INTERVAL	SAMPLE NO.	N-VALUE Blows per ft.	TESTS Wc%	TESTS Dry Unit Weight, pcf	TESTS Unconfined Compressive Strength, tsf	REMARKS
0		FILL - Recycled Asphalt Product (6")	774.0							
		FILL - Dark Brown Sandy LOAM with Gravel, A-2-4, stiff	773.5	SS	1	7	9			
		Dark Grey CLAY, trace Fibers, A-7-6 to A-8, very soft	771.0	SS	2	1	48		<0.25 Qp	
5		Dark Grey Sandy LOAM, little Shells, A-2-4, wet, very loose	768.5	SS	3	1	29			
		Grey SAND (f-c) with Gravel, A-1, wet, medium dense	766.0	SS	4	12	12			
10				SS	5	19	10			
				SS	6	34	15			
15				SS	7	37	10			
				SS	8	20	8			
20				SS	9	15	4			
		Grey Clay LOAM, A-6, stiff to very soft	751.0	SS	10	17	23		1.0 Qp	
25				SS	11	4	20		<0.25 Qp	
				SS	12	7	21		0.35	
30		End of Boring at 30'	744.0							

WATER LEVEL OBSERVATIONS, ft.
DURING DRILLING: 5.5'
IMMEDIATELY AFTER DRILLING:
DELAYED READING AFTER

MSET

BORING STARTED: 3/15/21
BORING COMPLETED: 3/15/21
LOGGED BY: MF
BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

MODEL: Default
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2/20/2026 11:26:37 AM

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - K. KOLODZIEJCZYK	REVISED -	
	CHECKED - M. LANGE	REVISED -	
PLOT SCALE = 20:0.0000 ':' / in.	DRAWN - K. KOLODZIEJCZYK	REVISED -	
PLOT DATE = 2/20/2026	CHECKED - M. LANGE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
STRUCTURE NO. 056-9142
SHEET R11 OF R11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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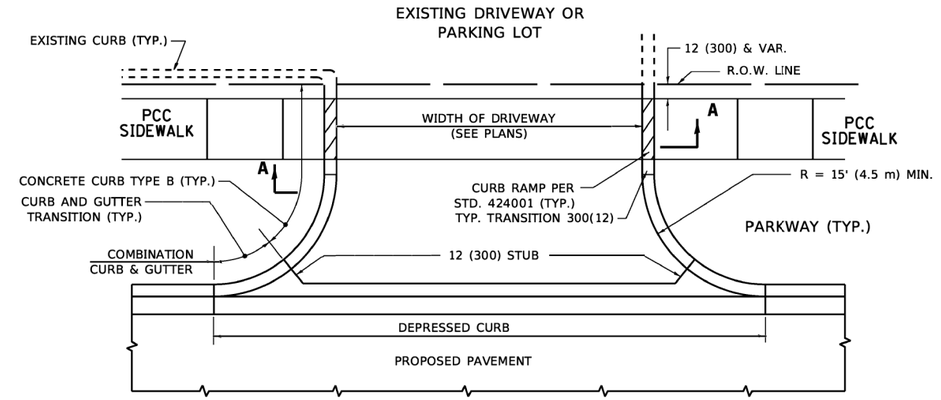
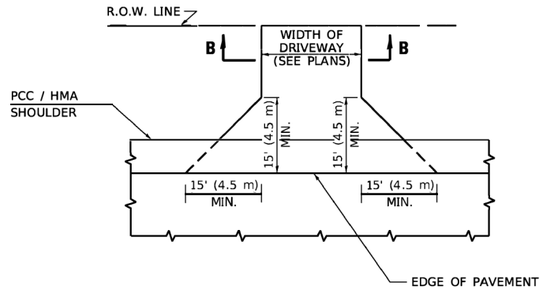
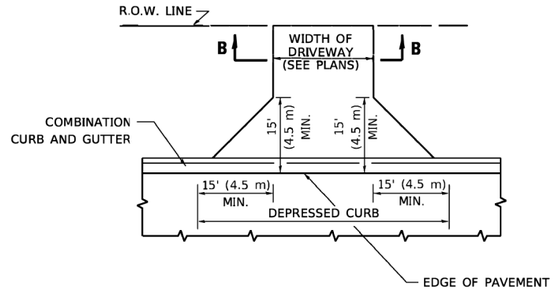
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



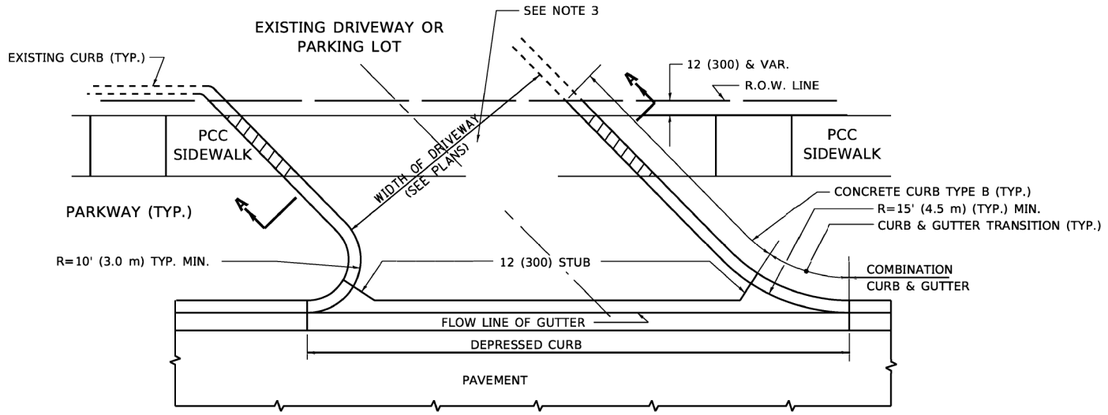
WITH CONCRETE CURB, TYPE B



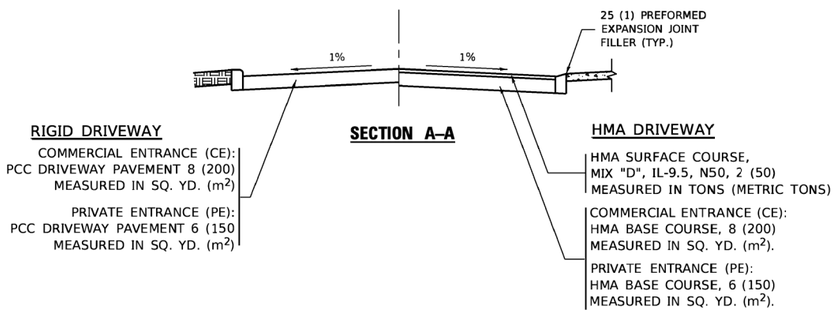
ADJACENT TO PCC /HMA SHOULDER

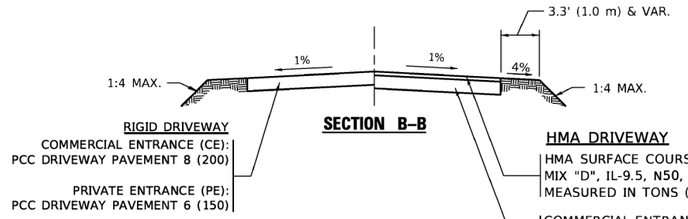


ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B





RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
PCC DRIVEWAY PAVEMENT 8 (200)

PRIVATE ENTRANCE (PE):
PCC DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY

HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 3 (75)
MEASURED IN TONS (METRIC TONS)

COMMERCIAL ENTRANCE (CE):
AGGREGATE BASE COURSE, TY B, 8 (200)
MEASURED IN SQ. YD. (m²).

PRIVATE ENTRANCE (PE):
AGGREGATE BASE COURSE, TY B, 6 (150)
MEASURED IN SQ. YD. (m²).

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", IL-95, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE COURSE, TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES

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

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

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

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - MCDOT
BD-01

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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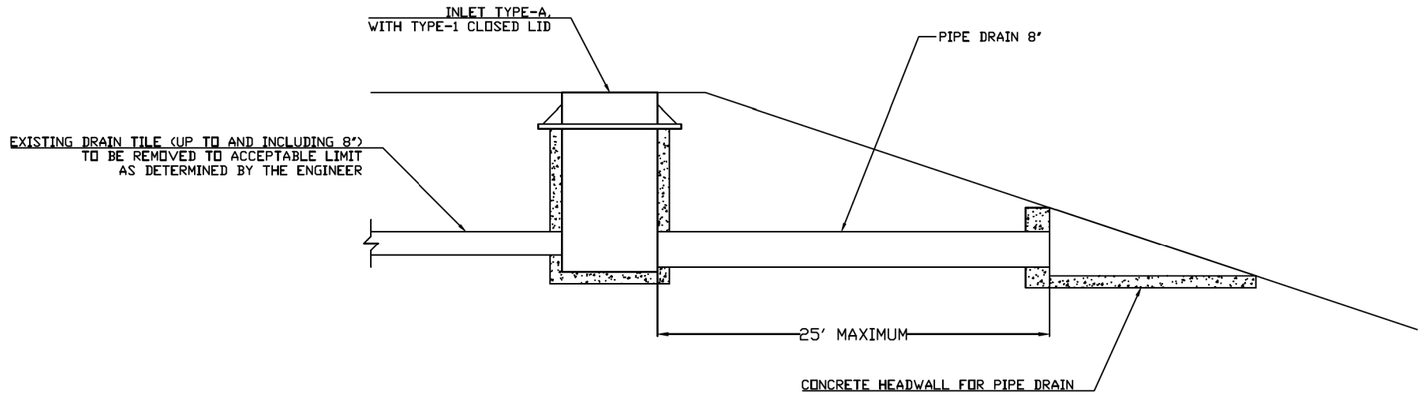
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



NOTES:
-CONTRACTOR TO EXERCISE CAUTION WHEN EXCAVATING AROUND THE EXISTING TILE TO PRESERVE THE INTEGRITY OF THE TILE
-REMOVAL OF EXISTING PIPE INCLUDED IN PAY ITEM
-IF TILE LARGER THAN 8" IS ENCOUNTERED STORM SEWER ITEMS SHALL BE USED

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR OUTFALL STRUCTURE.

MC6011

Pg ____ of ____

DRAIN TILE OUTFALL, SPECIAL

REVISIONS	DATE
ORIGINAL DRAWING	4/30/24

MODEL: Drain Tile Outfall [Sheet]
FILE NAME: H:\McHenryCounty\W23301_00 West Sdon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\21_District Details\W23301-sht-countydetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAIN TILE OUTFALL, SPECIAL - MCDOT
MC6011

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	111
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

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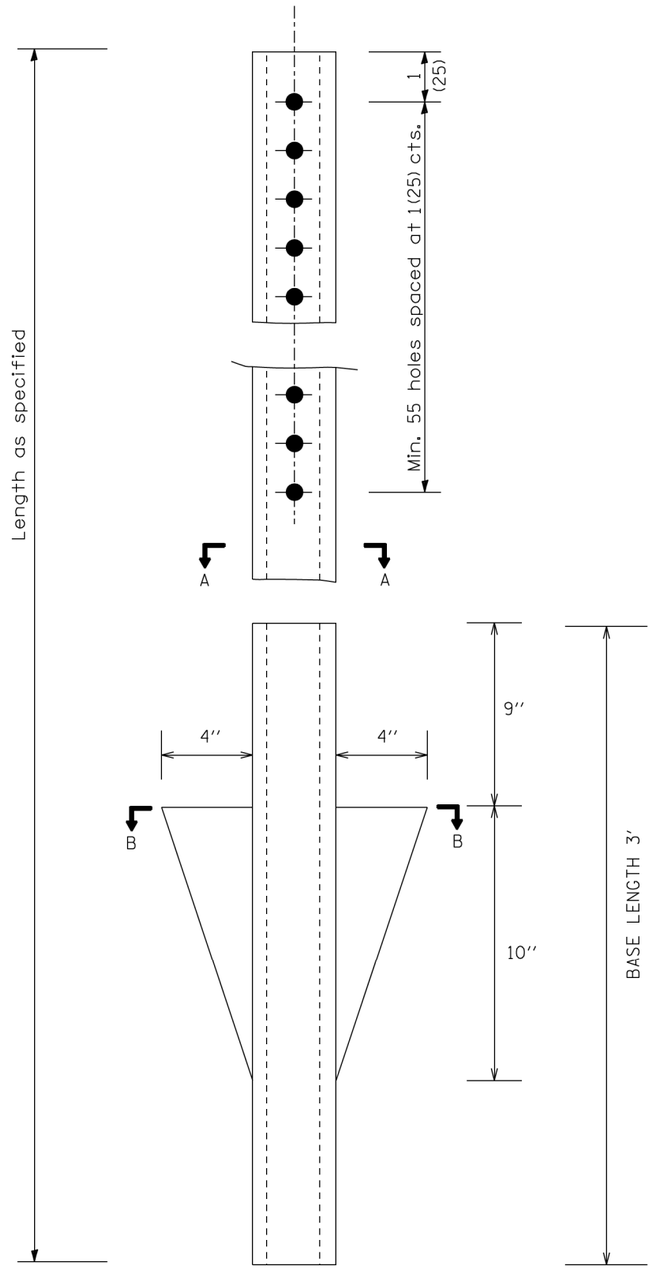
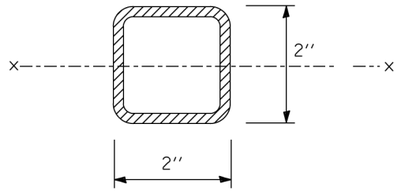
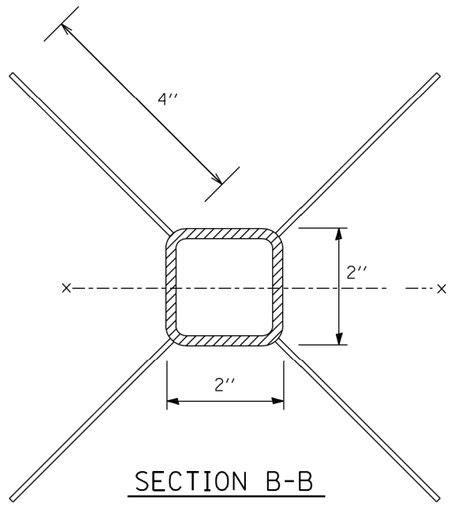




SECTION A-A



SECTION B-B

GENERAL NOTES

This work shall consist of furnishing and installing telescoping steel sign supports for ground-mounted signs utilizing a telescoping base section in accordance with applicable articles of Section 728 and as detailed in the plans and the following.

Posts as specified in article 1093.01 (c) shall be formed of 14 gage steel, except that the base shall be formed of 12 gage steel. Holes 7/16+or-1/64 inch diameter will be spaced one inch on centers on all sides for the entire length of the posts. Holes shall be on the centerline of each side in true alignment and opposite of each other to accept a 3/8 inch bolt through the post at any location. The post shall have a smooth galvanized finish applied either before of after forming.

The base shall be constructed with 12 gage steel winged anchors by using standard tubular steel and welding metal triangular fins on each corner of the tubular steel. The four triangular fins shall be 10 '' long by 4 '' wide mounted 9 '' from the top of the base pointing in a downward direction. The base shall be 3 feet in length. The base shall have a smooth galvanized finish applied either after fabrication.

TELESCOPING STEEL SIGN SUPPORT

MODEL: TeleSS Support [Sheet]
FILE NAME: I:\McHenryCounty\W22301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\21_Distrct Details\W22301-sht-countydetails.dgn

ENGINEERING RESOURCE ASSOCIATES

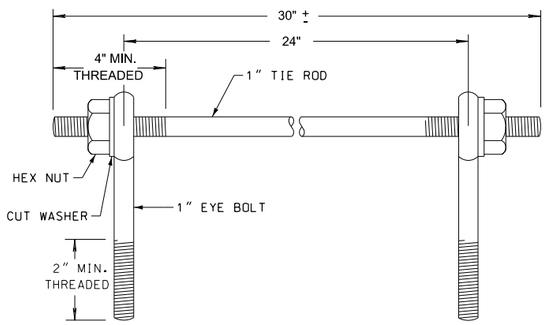
USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

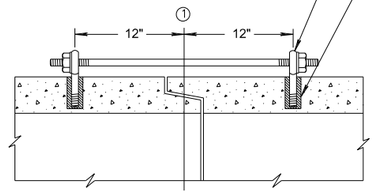
TELESCOPING STEEL SIGN SUPPORT (SPECIAL)

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

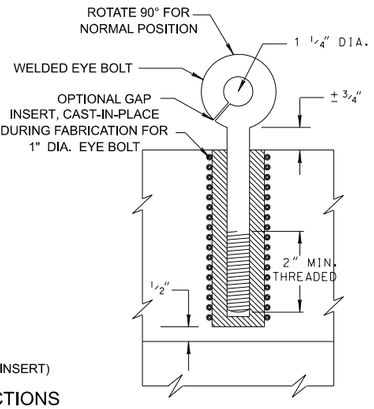
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	112
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)



LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS. JOINT TIES AND HARDWARE SHALL BE GALVANIZED STEEL.

CONCRETE CULVERT PIPE AND SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT THE LAST THREE JOINTS BEFORE A FLARED END SECTION

THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR CONCRETE PIPE.

UNLESS OTHERWISE STATED IN THE CONTRACT THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE CULVERT PIPE AS INDICTED ON THE PLANS AND BY THIS DETAIL WILL BE CONSIDERED INCLUDED IN THE COST OF PIPE CULVERTS OR STORM SEWERS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR GALVANIZED STEEL JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

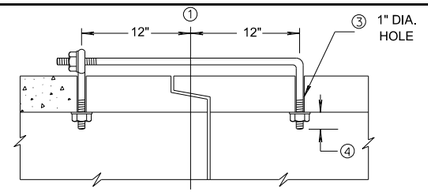
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12" FROM ℄ OF TONGUE AND GROOVE.

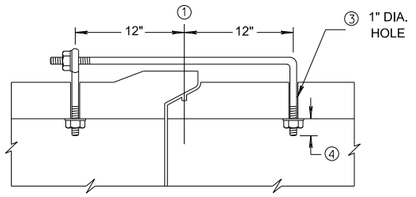
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2".

⑤ OPENING TO BE ROD DIAMETER + 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

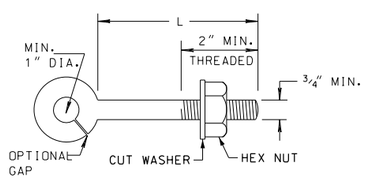


(MODIFIED BELL PIPE)

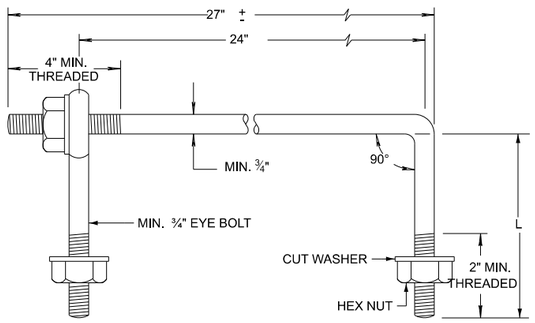
LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4½"	6¼"
30"	5"	7"
36"	5½"	7"
42"	6"	
48"	6½"	
60"	7½"	
66"	8"	



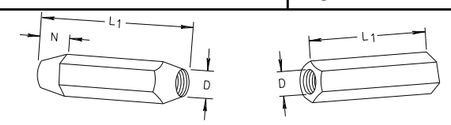
EYE BOLT



EYE BOLT AND TIE ROD

(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

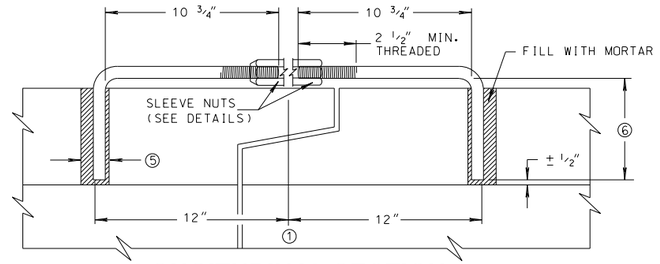
EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)



TAPERED PLAIN

RIGHT AND LEFT THREADS

SLEEVE NUTS



LONGITUDINAL SECTION

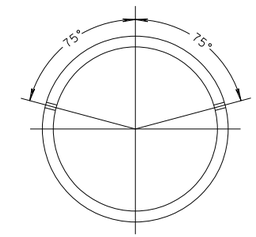
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)

ADJUSTABLE TIE ROD TABLE

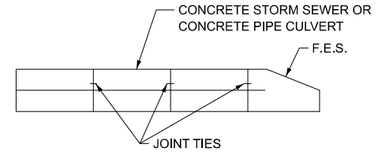
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60			5	½"
66-84			5	½"
90-108	1	1	7	1 7/16"

DIMENSIONS SHOWN ARE IN INCHES



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



TYPICAL JOINT TIE LOCATIONS

MODEL: Joint Ties [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02001_Roadway\03_Sheet\21_District Details\W23301-sht-countydetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MCDOT JOINT TIE DETAIL
####

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	113
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

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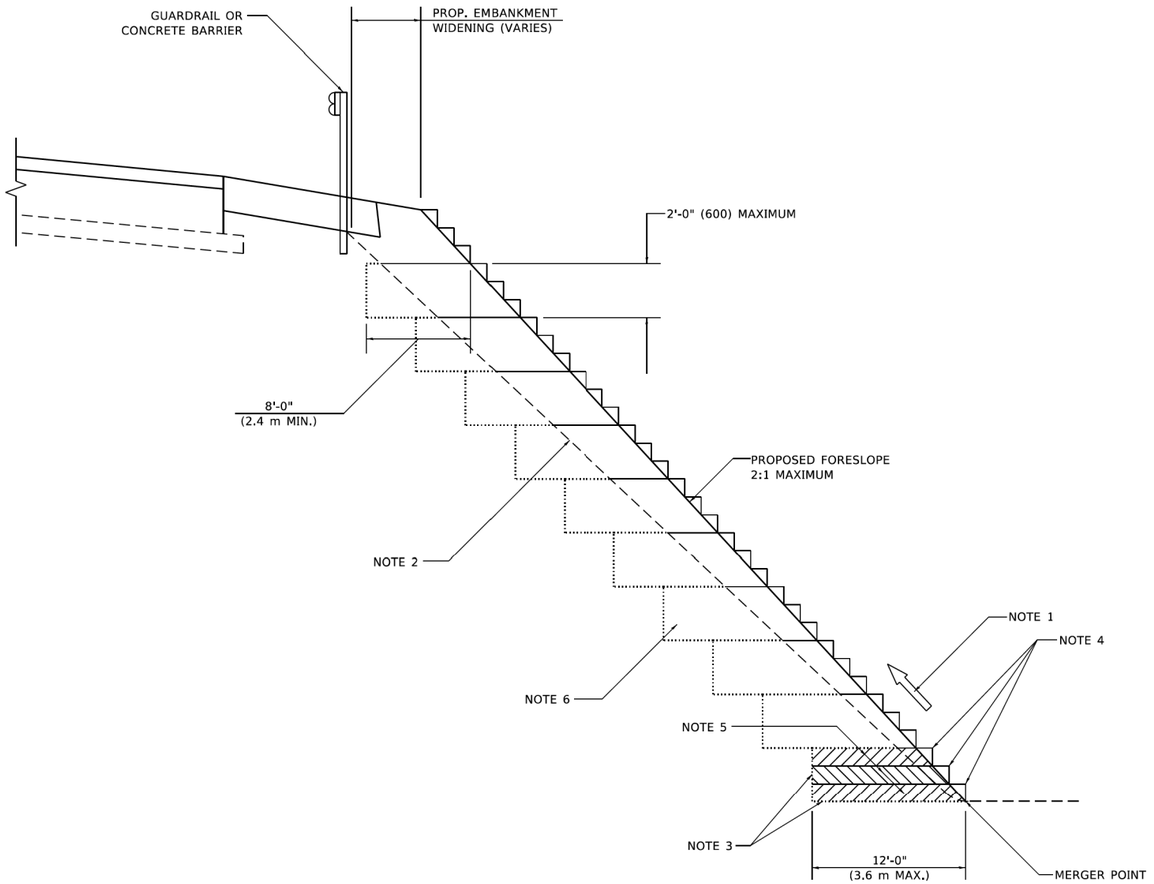

TYPICAL BENCHING DETAIL FOR EMBANKMENT

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

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FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\District1Std223x1\CADData\CADSheets\bd51.dgn

USER NAME = Lawrence.DeManche	DESIGNED -		REVISED - K. SMITH 11-18-22	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BENCHING DETAIL FOR EMBANKMENT WIDENING
	DRAWN - CADD		REVISED -		
PLOT SCALE = 100.0000 ' / In.	CHECKED - S.E.B.		REVISED -		
PLOT DATE = 11/18/2022	DATE - 06-16-04		REVISED -		

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD-51	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: BD-51 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02101_Roadway\03_Sheet\21_District Details\W23301-sht-districtdetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

BENCHING DETAIL
FOR EMBANKMENT WIDENING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	114
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

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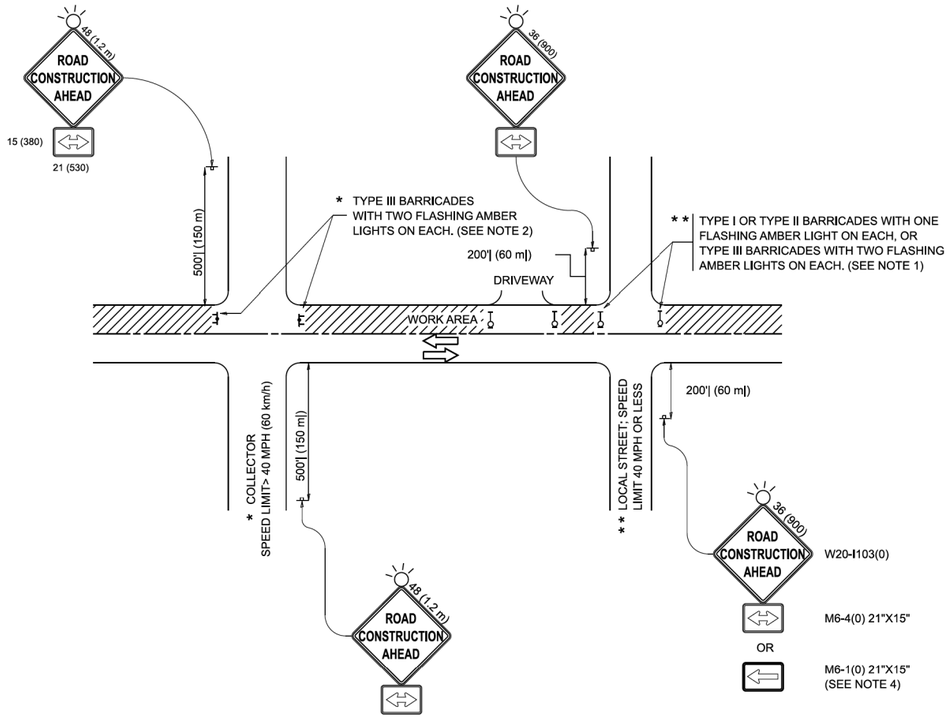

NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: TC-10 [Sheet]
FILE NAME: c:\pw_work\pwdot\lawrence.demanche@illinois.gov\d0951415\TC-10.dgn

USER NAME = lawrence.demanche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 0.08333317 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06	
PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				0003
TC-10		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

MODEL: TC-10, [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\21_District Details\W23301-sht-distrfctdetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	115
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

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ROUTE MARKERS

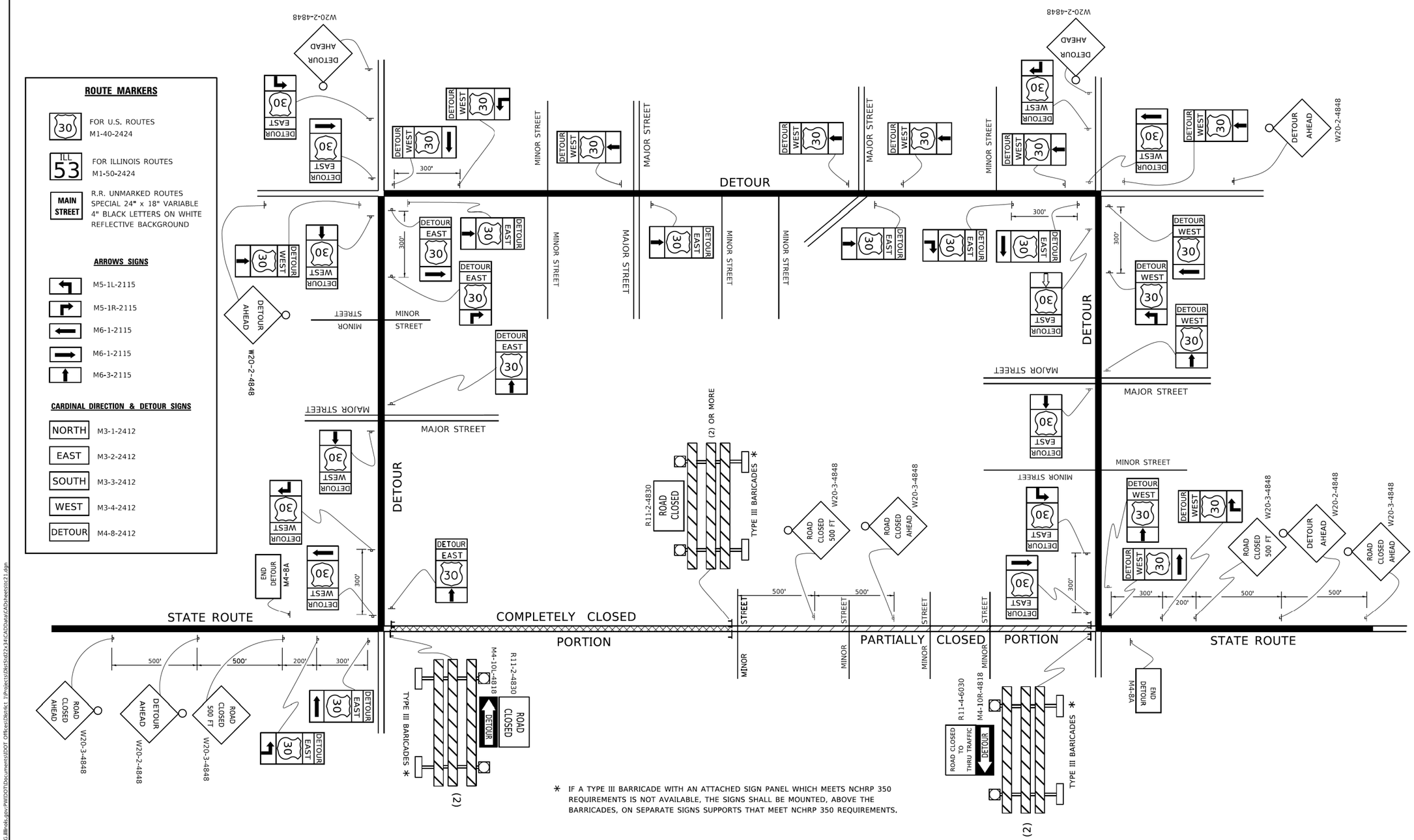
- 30 — FOR U.S. ROUTES — M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES — M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- NORTH — M3-1-2412
- EAST — M3-2-2412
- SOUTH — M3-3-2412
- WEST — M3-4-2412
- DETOUR — M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

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PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-21	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: TC-21 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\21_Distrct Details\W23301-sht-districtdetails.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	116
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

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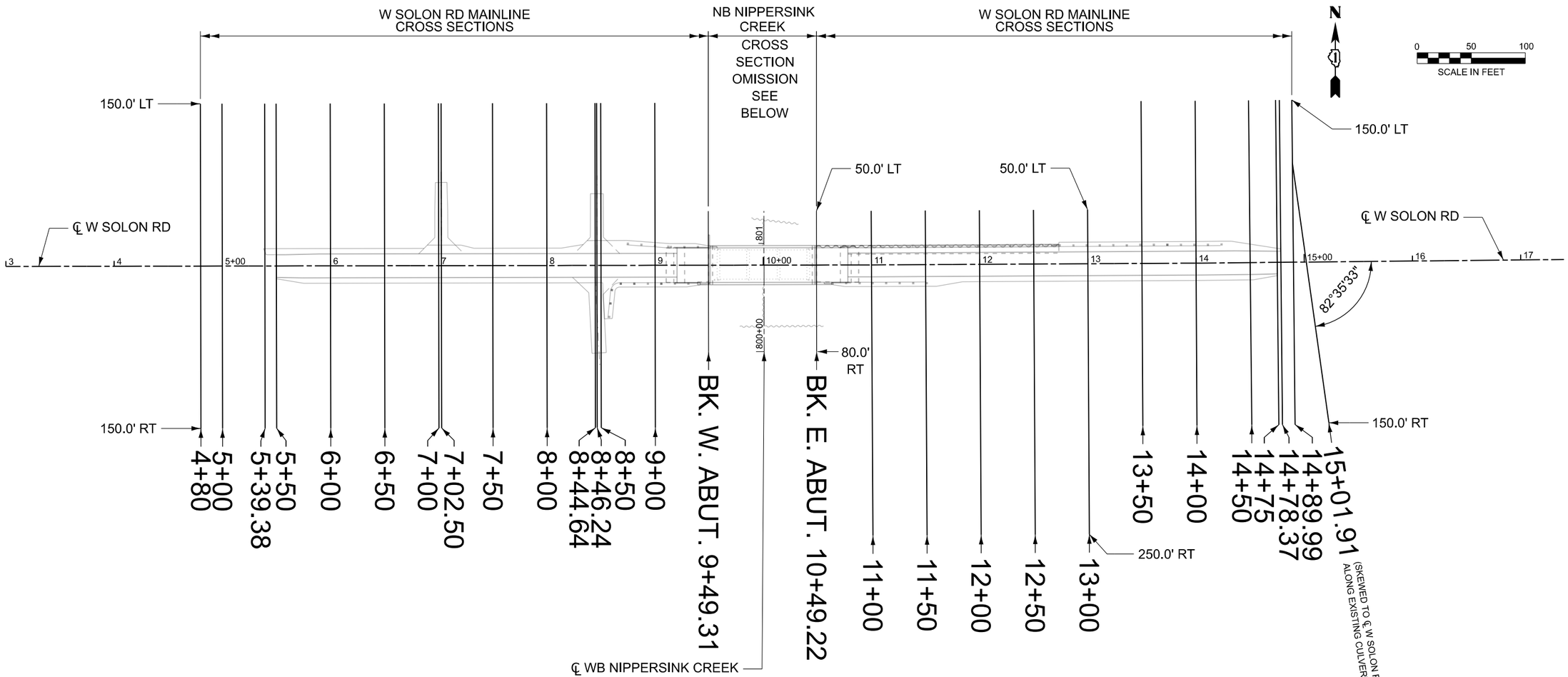
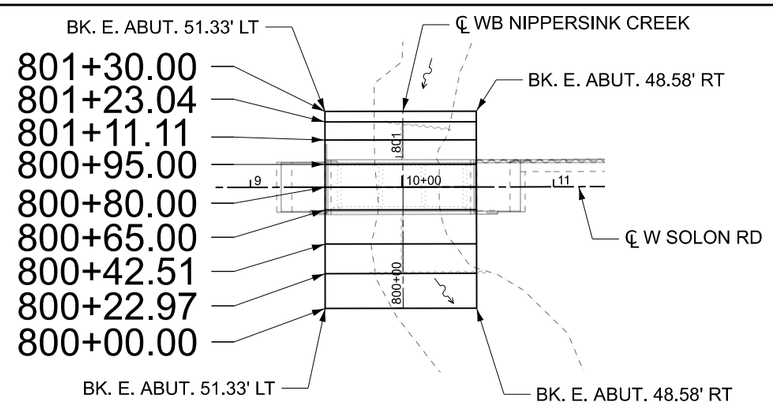
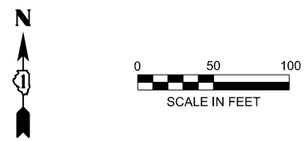


MAINLINE W. SOLON ROAD CROSS SECTION SCHEMATIC





NORTH BRANCH NIPPERSINK CREEK CROSS SECTION SCHEMATIC

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ENGINEERING RESOURCE ASSOCIATES

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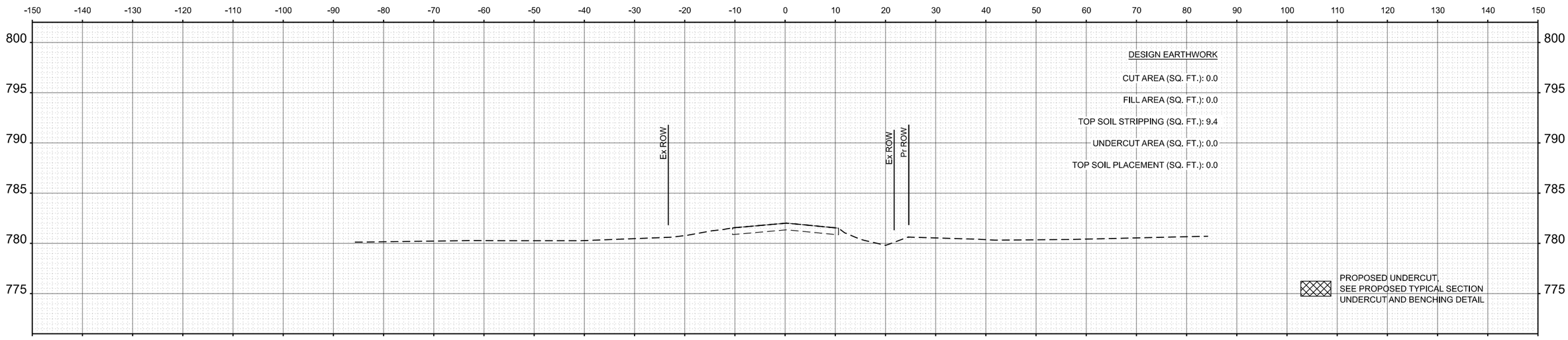
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

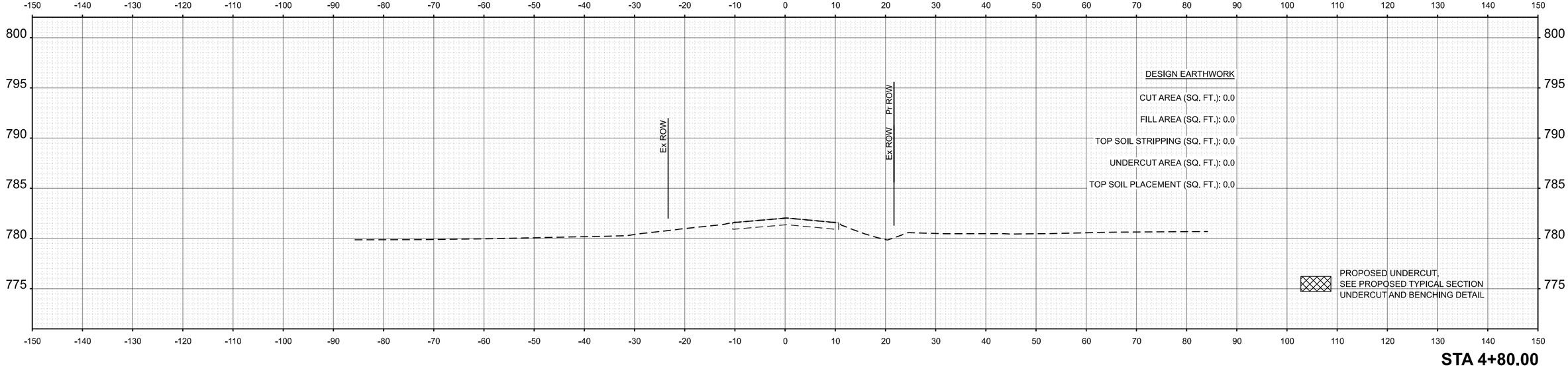
CROSS SECTION SCHEMATIC
WEST SOLON RD OVER NB NIPPERSINK CREEK

SCALE: | SHEET 1 OF 20 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	117
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



STA 5+00.00



STA 4+80.00

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

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

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ENGINEERING RESOURCE ASSOCIATES

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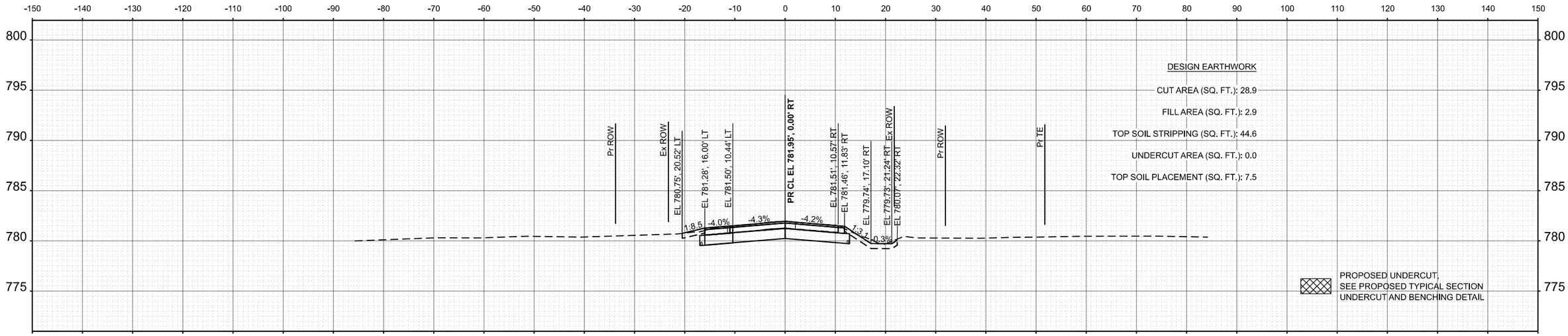
		DRAWN - TS		REVISED -	
PLOT SCALE = 0.16666633 ' / In.		CHECKED -		REVISED -	
PLOT DATE = 2/20/2026		DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

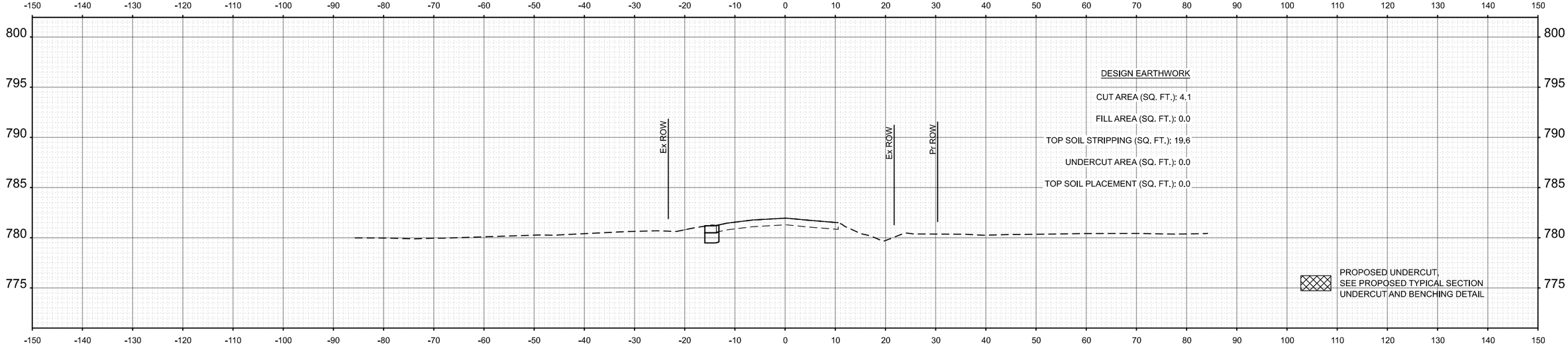
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 2 OF 20 SHEETS | STA. 4+80.00 | TO STA. 5+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	118
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



STA 5+50.00



STA 5+39.38

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

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

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ENGINEERING RESOURCE ASSOCIATES

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	DRAWN - TS	REVISED -			
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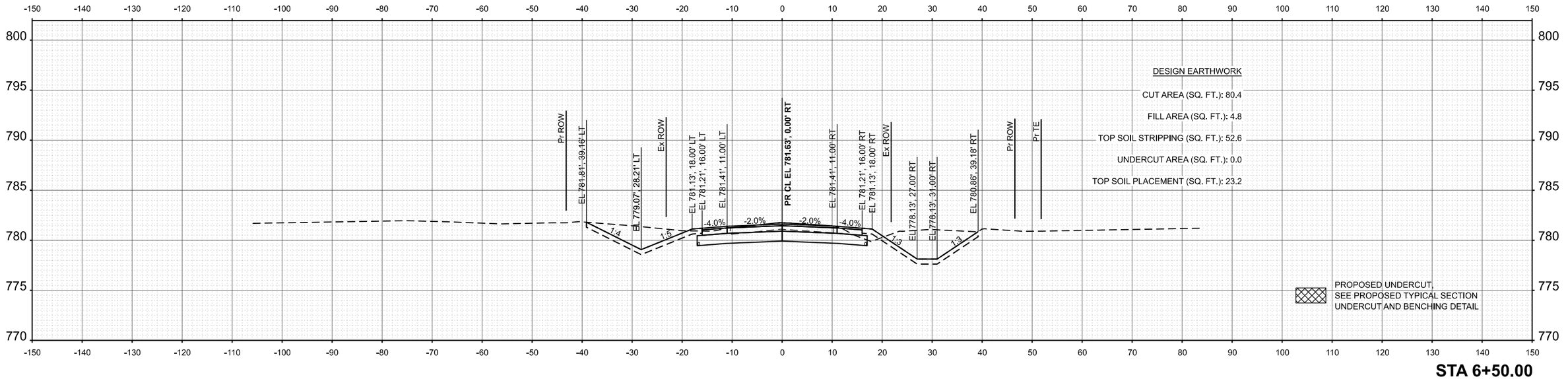
PLOT DATE = 2/20/2026	DATE -	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

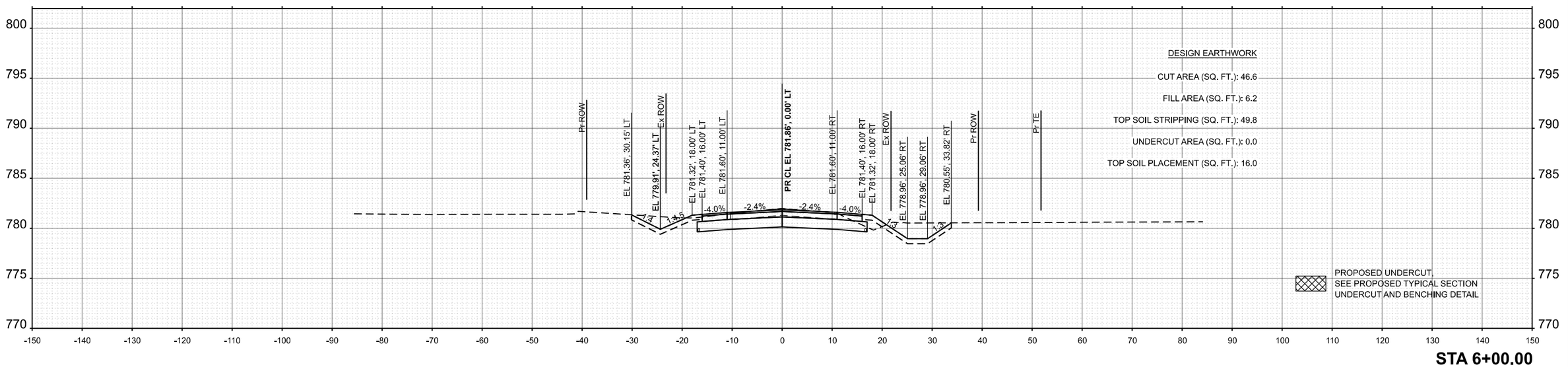
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 3 OF 20 SHEETS | STA. 5+39.38 | TO STA. 5+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	119
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



STA 6+50.00



STA 6+00.00

FINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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ENGINEERING RESOURCE ASSOCIATES			
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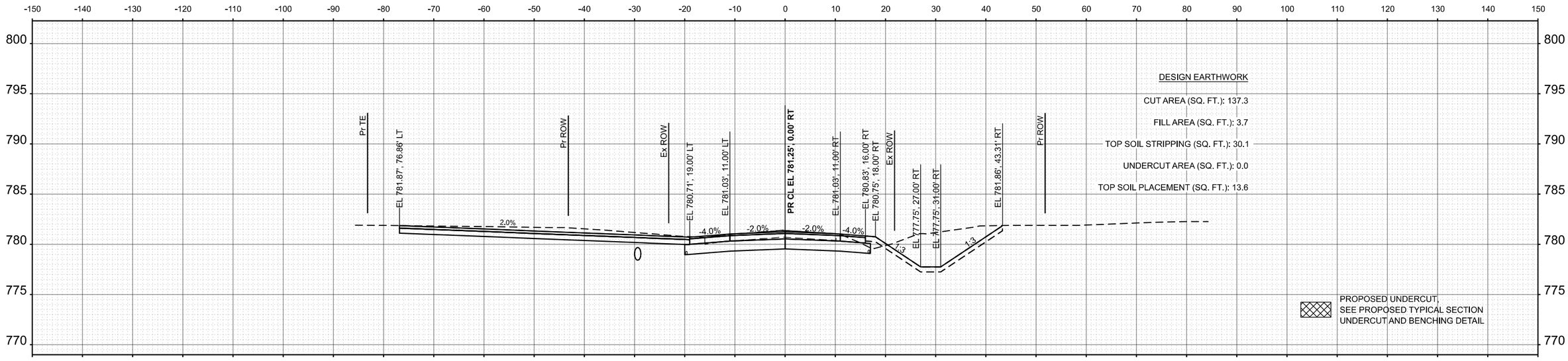
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

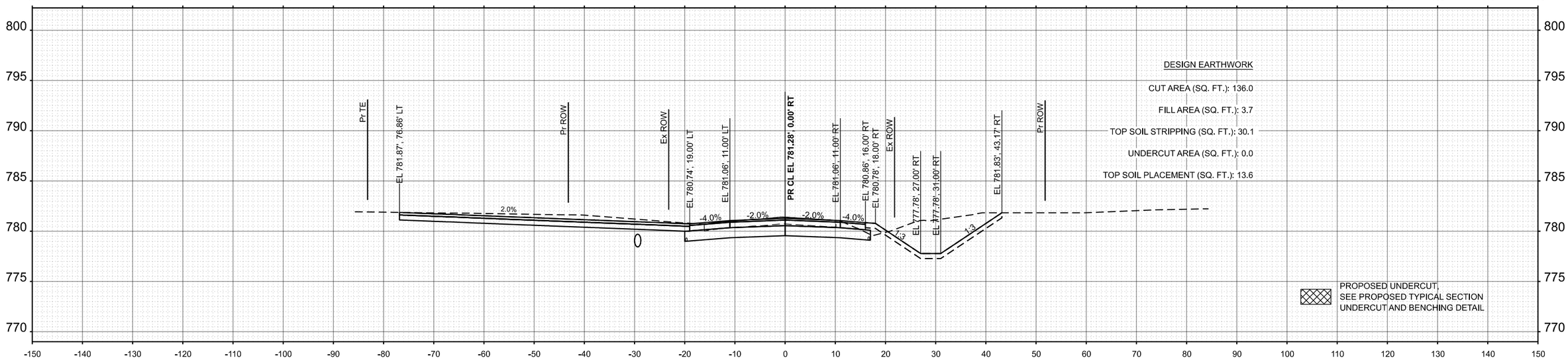
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 4 OF 20 SHEETS | STA. 6+00.00 | TO STA. 6+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	120
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		



STA 7+02.50



STA 7+00.00

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

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

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ENGINEERING RESOURCE ASSOCIATES

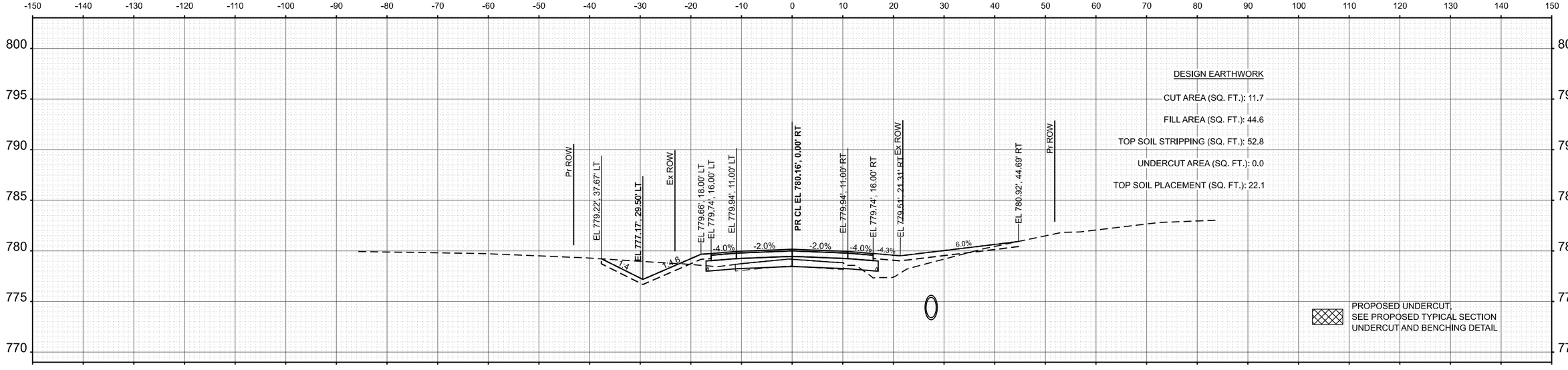
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

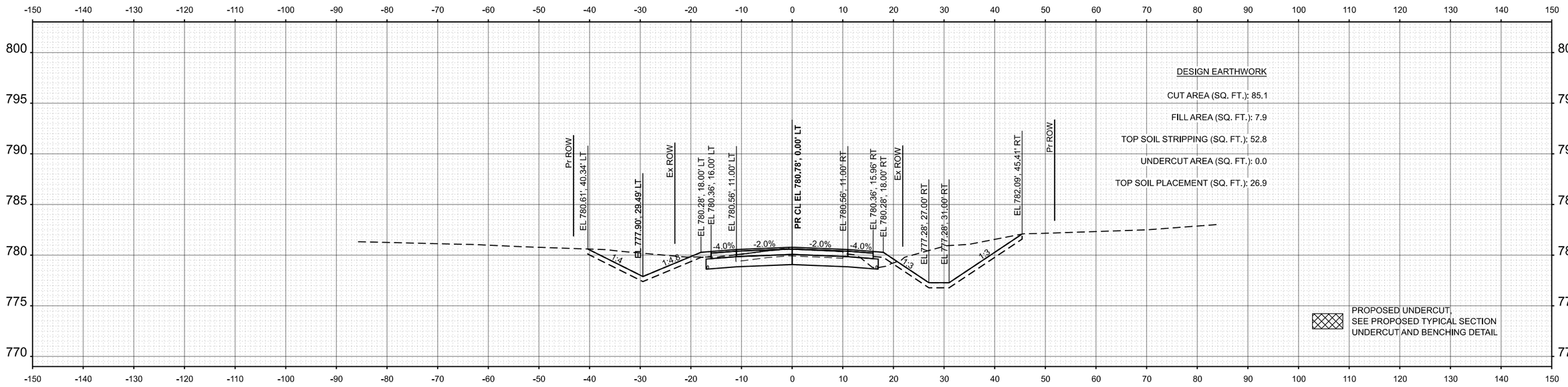
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 5 OF 20 SHEETS | STA. 7+00.00 | TO STA. 7+02.50

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	121
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



STA 8+00.00



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

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

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ENGINEERING RESOURCE ASSOCIATES

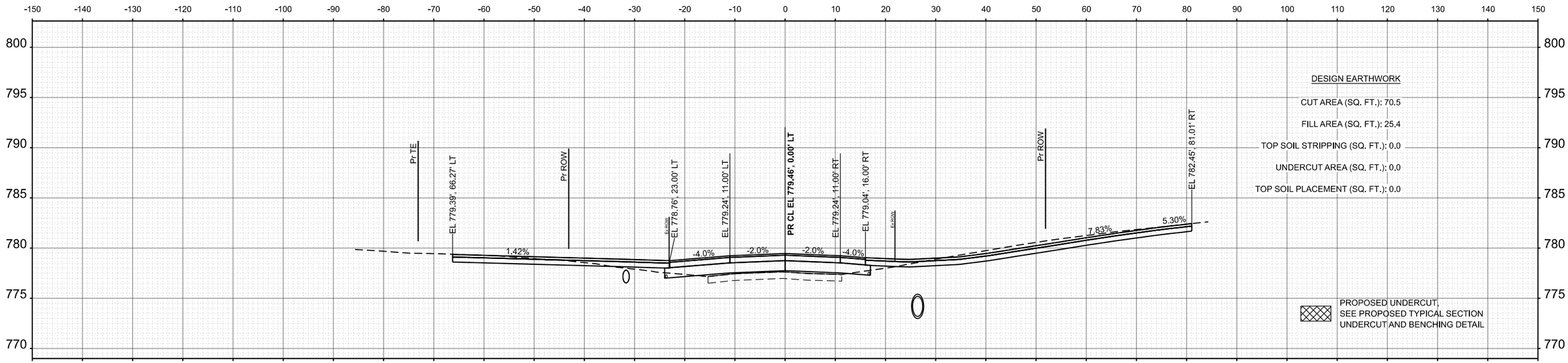
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

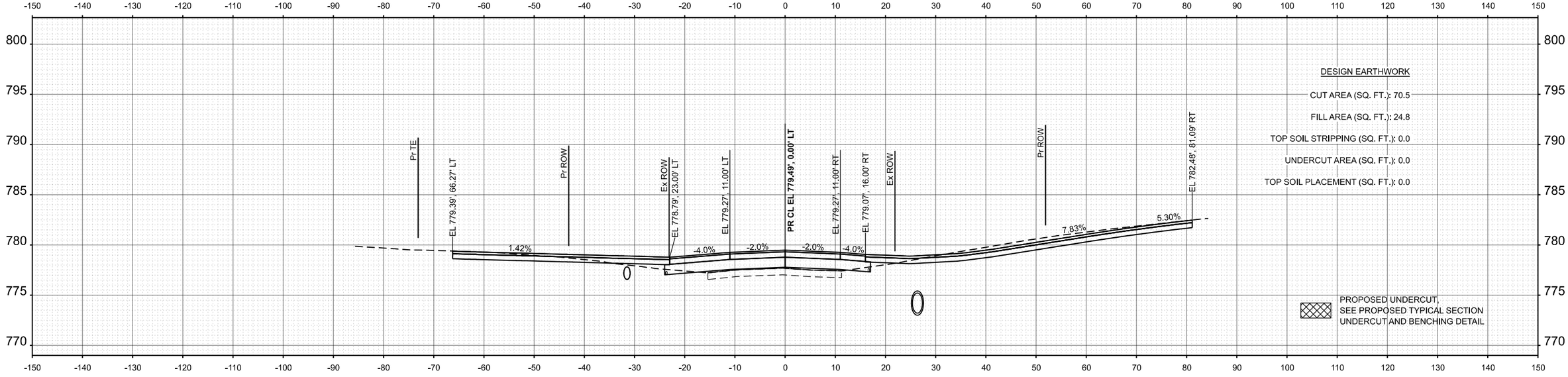
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 6 OF 20 SHEETS | STA. 7+50.00 | TO STA. 8+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	122
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



STA 8+46.24



STA 8+44.64

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

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

MODEL: PrCL_WSOLONRD - 8+44.64 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

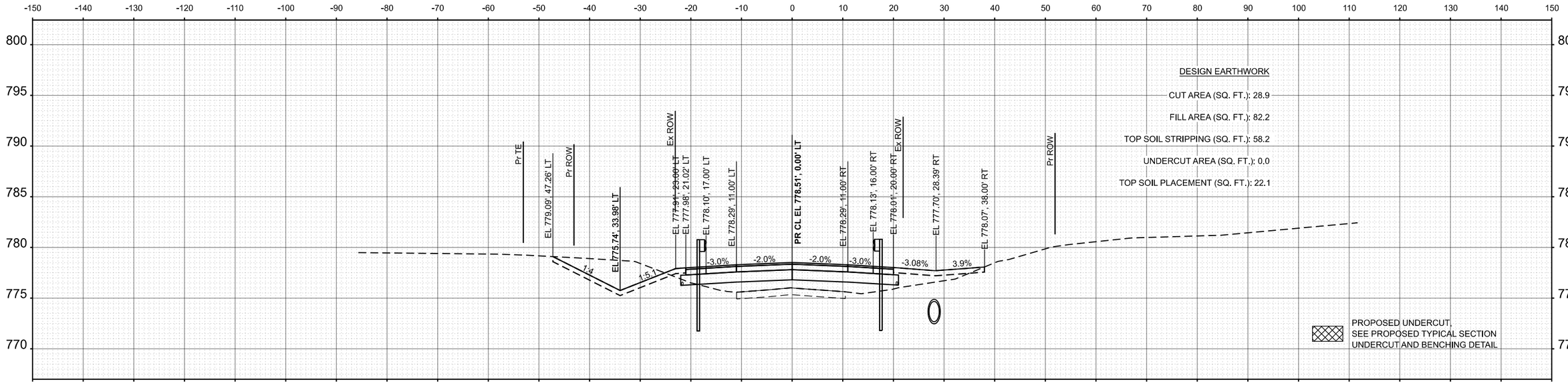
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

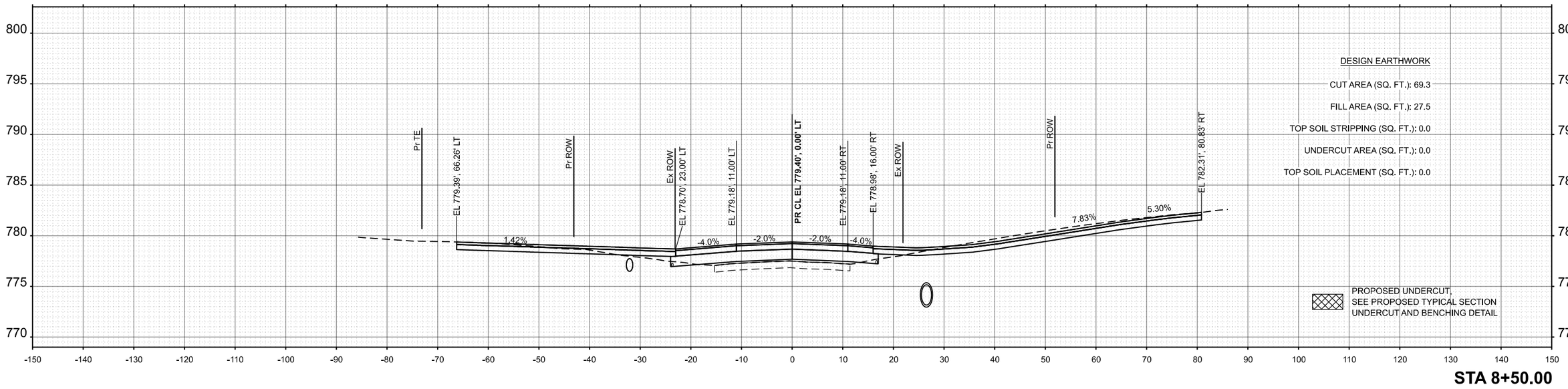
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 7 OF 20 SHEETS | STA. 8+44.64 | TO STA. 8+46.24

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	123
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



STA 9+00.00



STA 8+50.00

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

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

MODEL: PrCL_WSOLONRD - 8+50.00 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

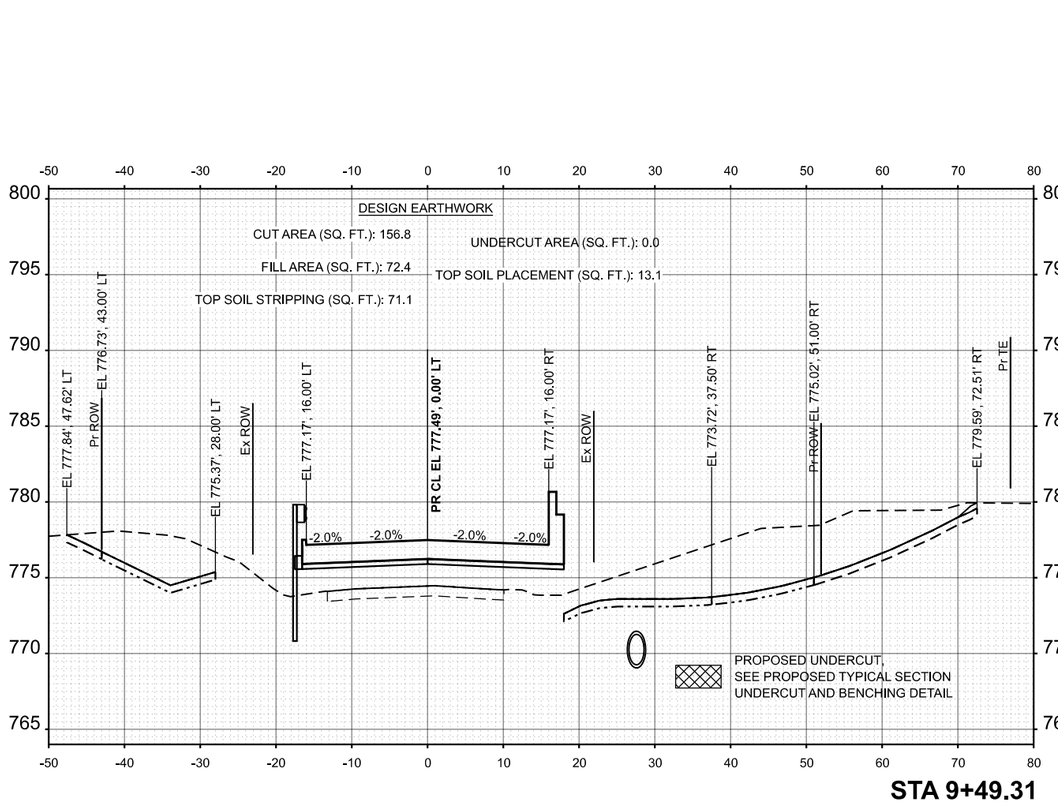
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

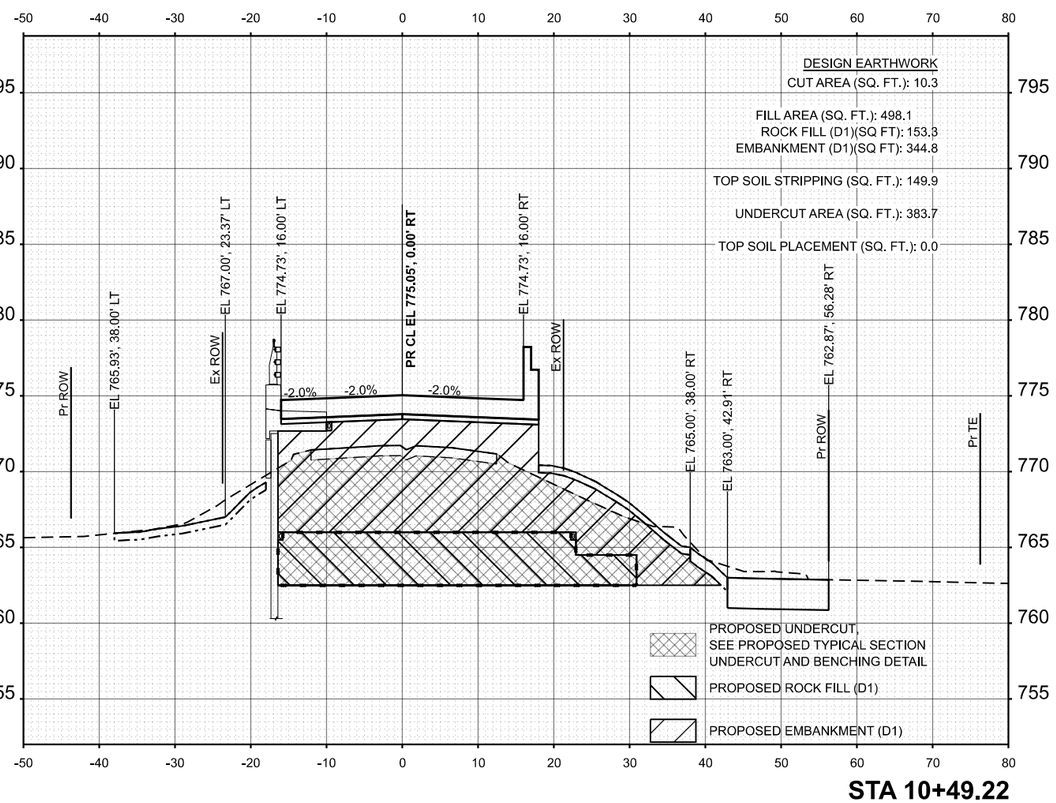
SCALE: 1"=10' | SHEET 8 OF 20 SHEETS | STA. 8+50.00 | TO STA. 9+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	124
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		

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



STA 9+49.31



STA 10+49.22

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

MODEL: PrCL_WSOLONRD - 9+49.31 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

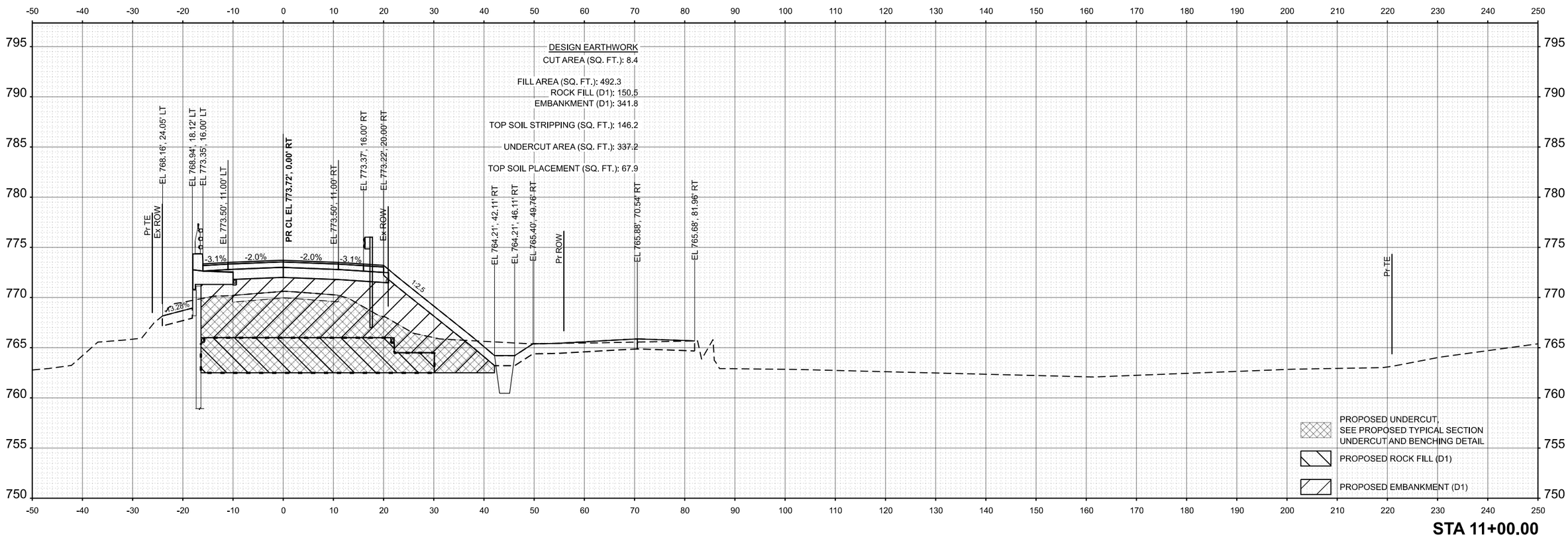
USER NAME = mlange	DESIGNED - TS		REVISED -
	DRAWN - TS		REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -		REVISED -
PLOT DATE = 2/20/2026	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 9 OF 20 SHEETS | STA. 9+49.31 | TO STA. 10+49.22

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	125
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



STA 11+00.00

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

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

MODEL: PrCL_WSOLONRD - 11+00.00 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xsht.dgn

ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

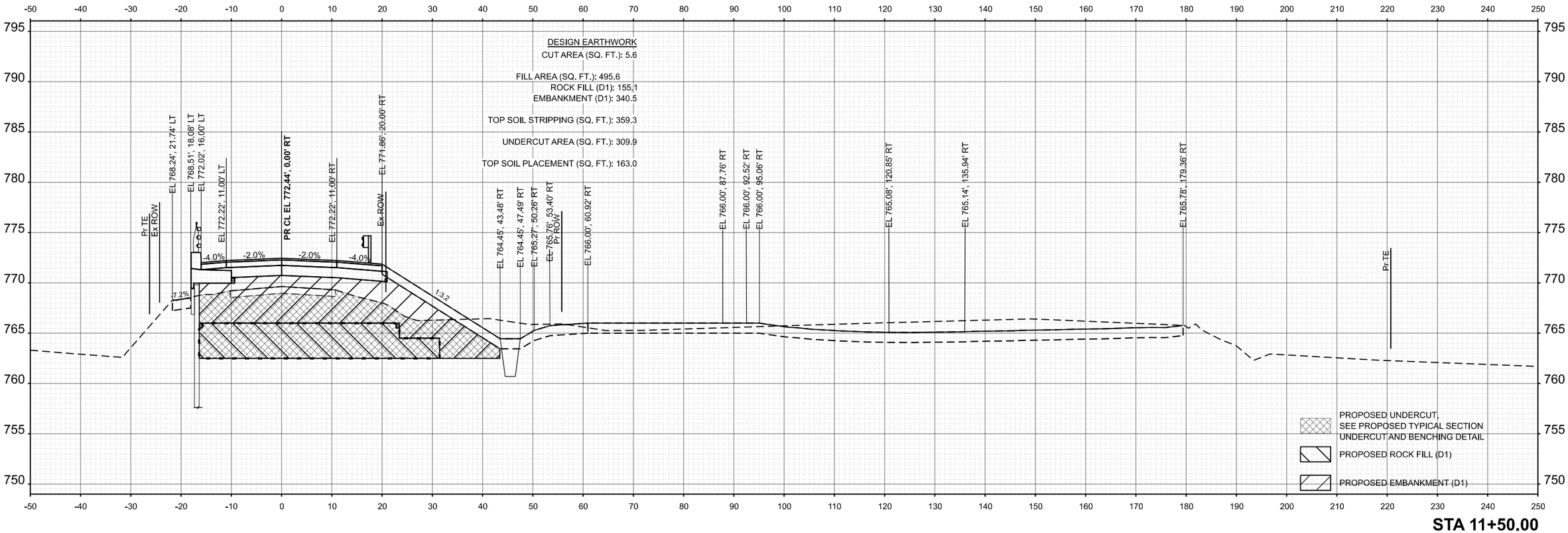
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 10 OF 20 SHEETS | STA. 11+00.00 | TO STA. 11+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	126
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			

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

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



STA 11+50.00

MODEL: PrCL_WSOLONRD - 11+50.00 [Sheet]
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ENGINEERING RESOURCE ASSOCIATES	USER NAME = mlange	DESIGNED - TS	REVISED -
		DRAWN - TS	REVISED -
	PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
	PLOT DATE = 2/20/2026	DATE -	REVISED -

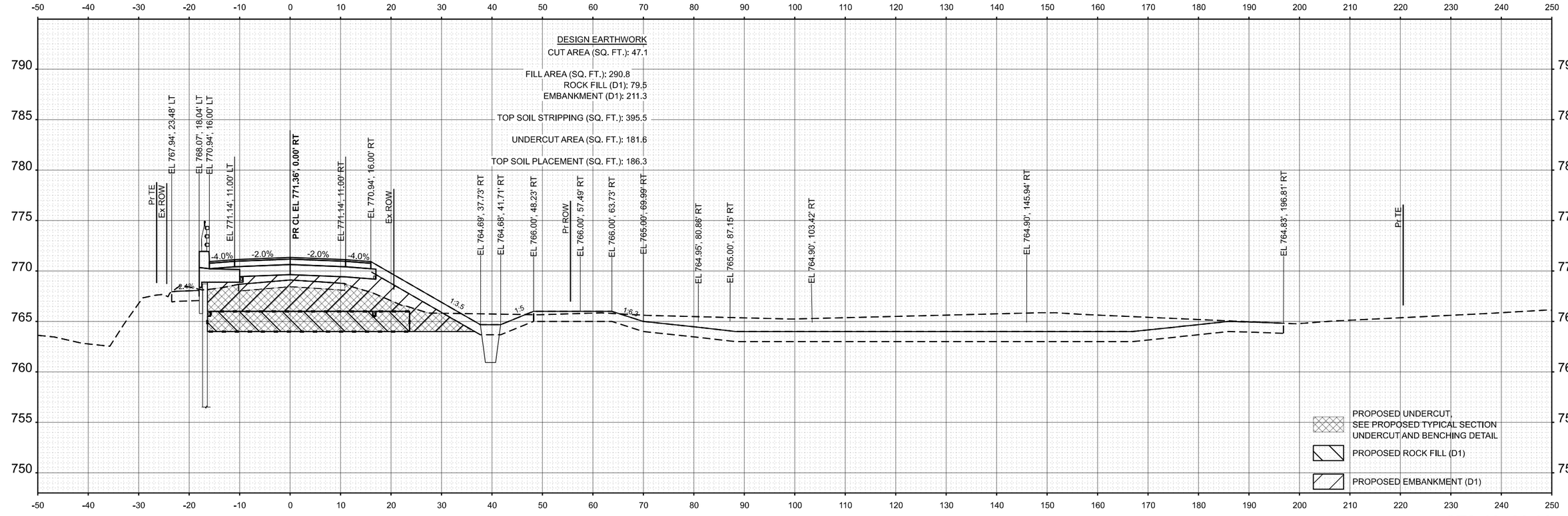
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 11 OF 20 SHEETS | STA. 11+50.00 | TO STA. 11+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	127
		CONTRACT NO. 61L86		
		ILLINOIS FED. AID PROJECT		

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



STA 12+00.00

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

MODEL: PrCL_WSOLONRD - 12+00.00 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

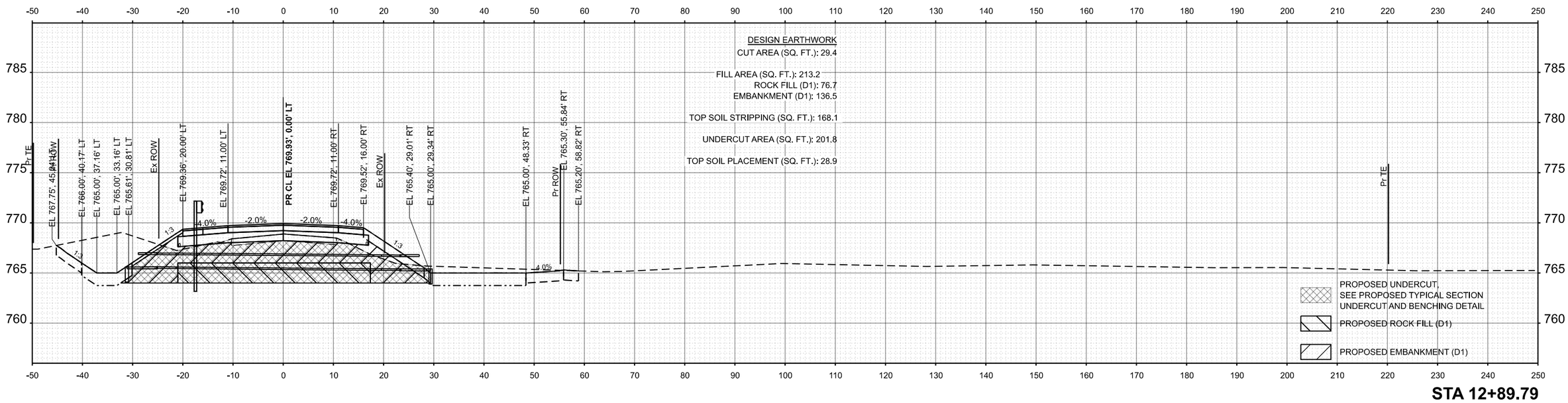
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

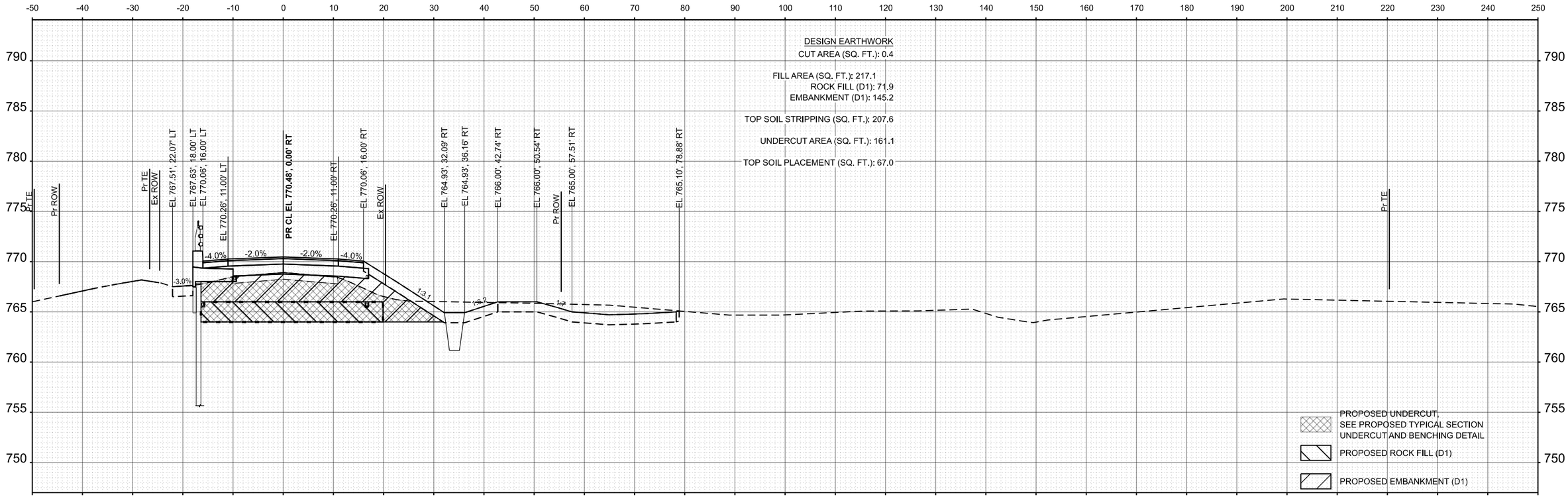
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 12 OF 20 SHEETS | STA. 12+00.00 | TO STA. 12+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	128
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



STA 12+89.79



STA 12+50.00

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

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

MODEL: Pr:CL_WSOLONRD - 12+50.00 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xsht.dgn

ENGINEERING RESOURCE ASSOCIATES

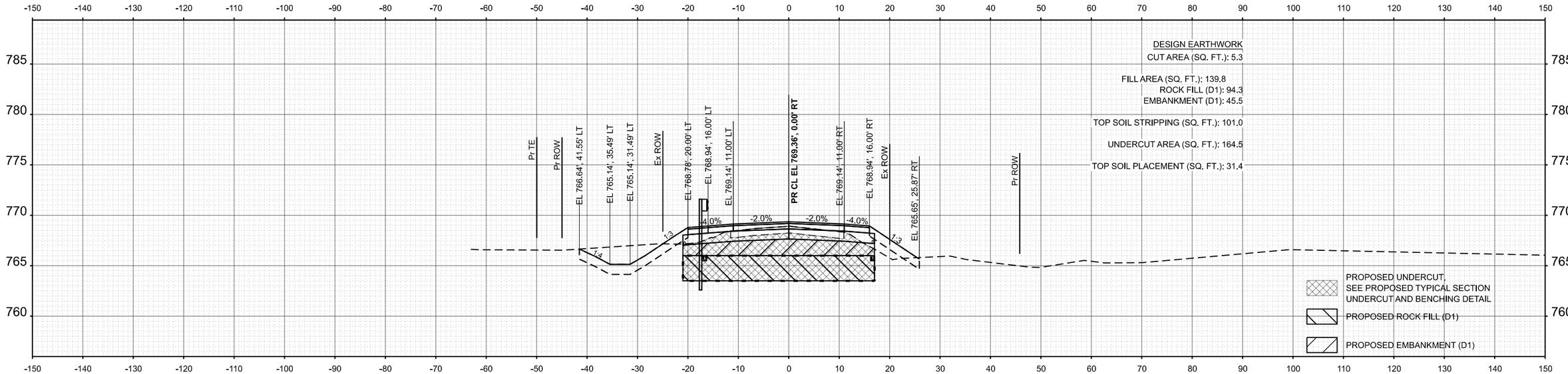
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

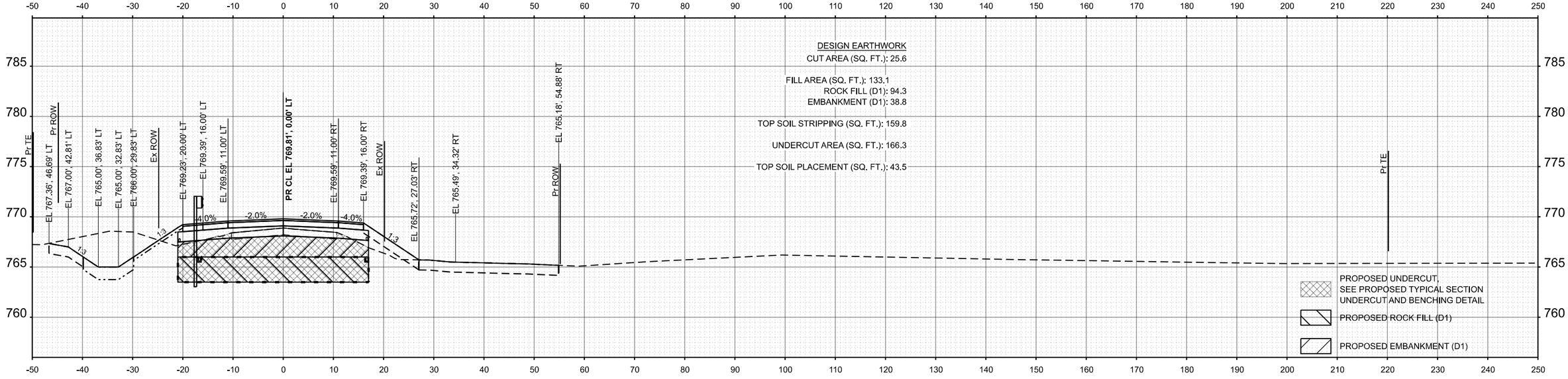
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 13 OF 20 SHEETS | STA. 12+50.00 | TO STA. 12+89.79

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	129
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



STA 13+50.00



STA 13+00.00

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

MODEL: PrCL_WSOLONRD - 13+00.00 [Sheet]
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

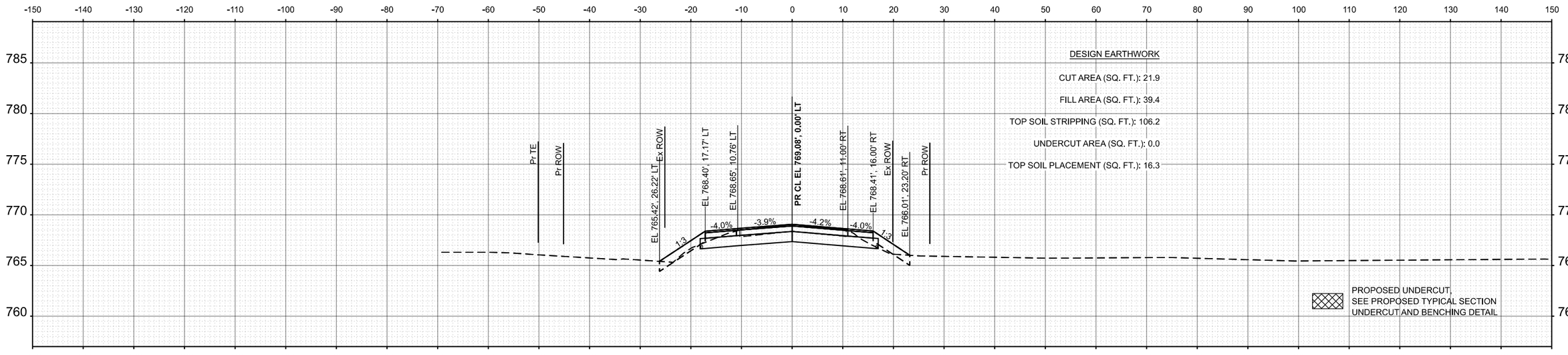
USER NAME = mlange	DESIGNED - TS	REVISED -
	DRAWN - TS	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

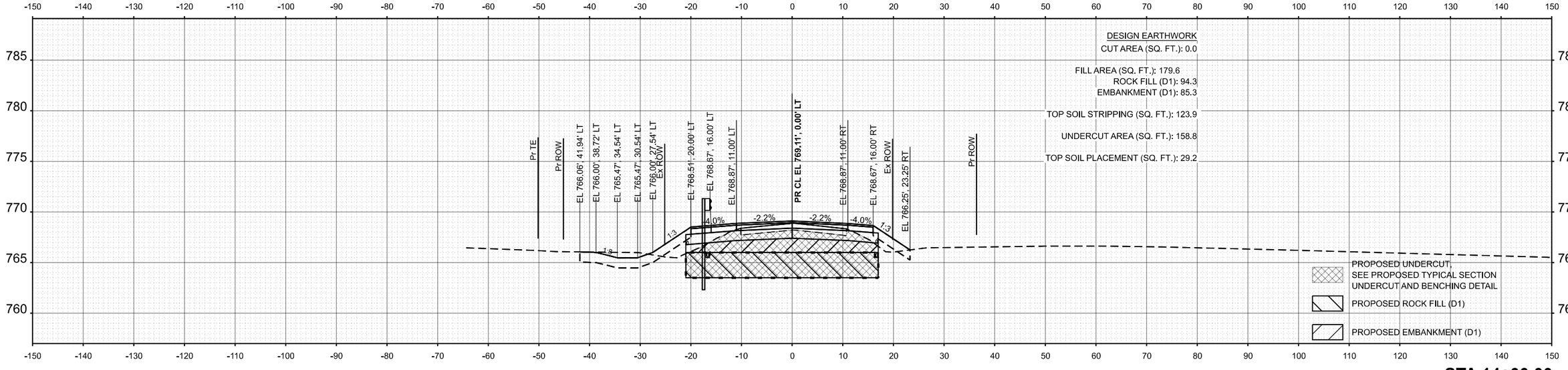
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 14 OF 20 SHEETS | STA. 13+00.00 | TO STA. 13+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	130
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



STA 14+50.00



STA 14+00.00

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

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

MODEL: PrCL_WSOLONRD - 14+00.00 [Sheet]
FILE NAME: I:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-0201_Roadway\03_Sheet\22_Cross Sections\W23301-sht-xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

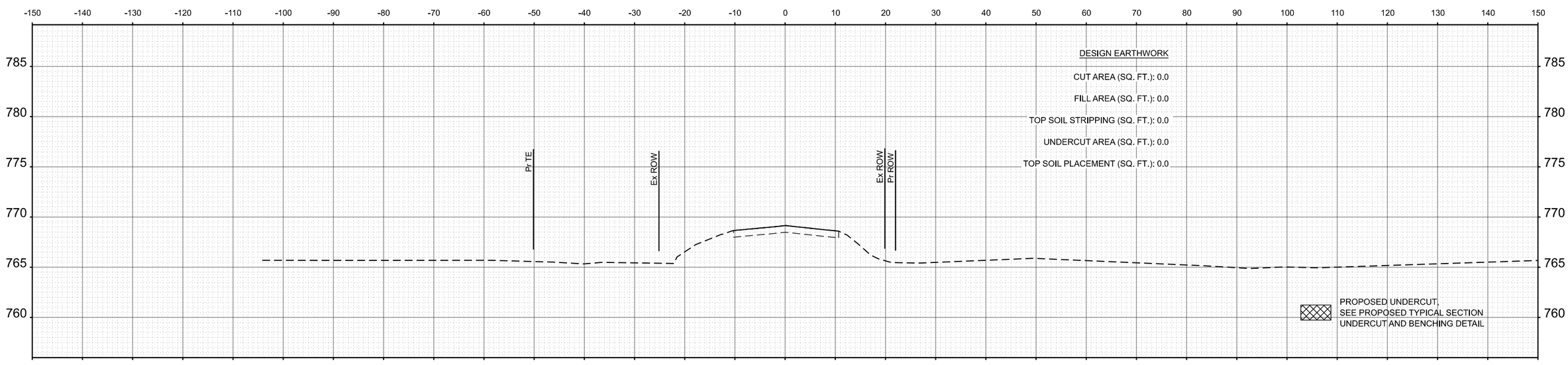
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

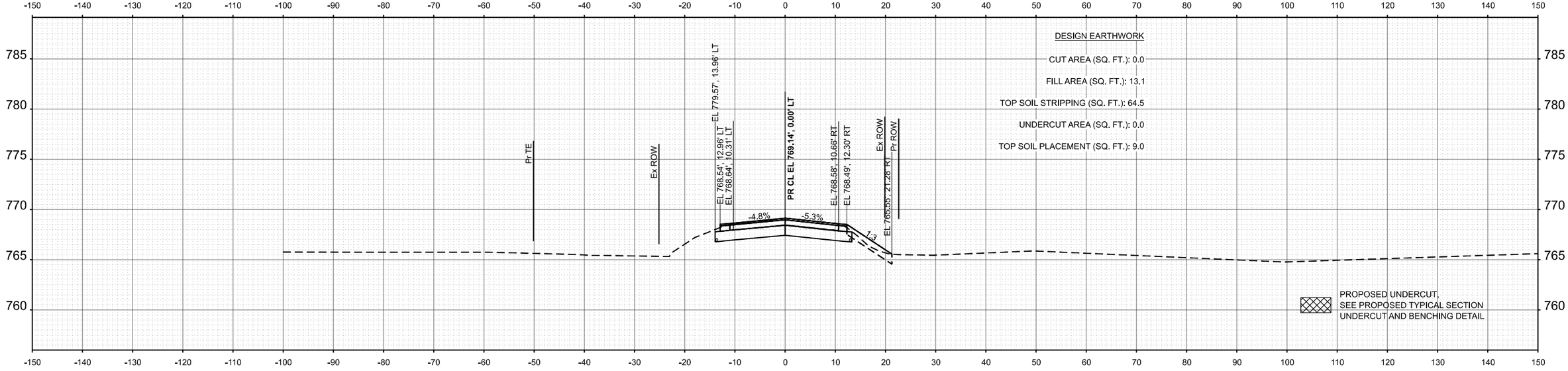
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 15 OF 20 SHEETS | STA. 14+00.00 | TO STA. 14+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	131
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



STA 14+78.37



STA 14+75.00

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

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

MODEL: PrCL_WSOLONRD - 14+75.00 [Sheet]
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ENGINEERING RESOURCE ASSOCIATES

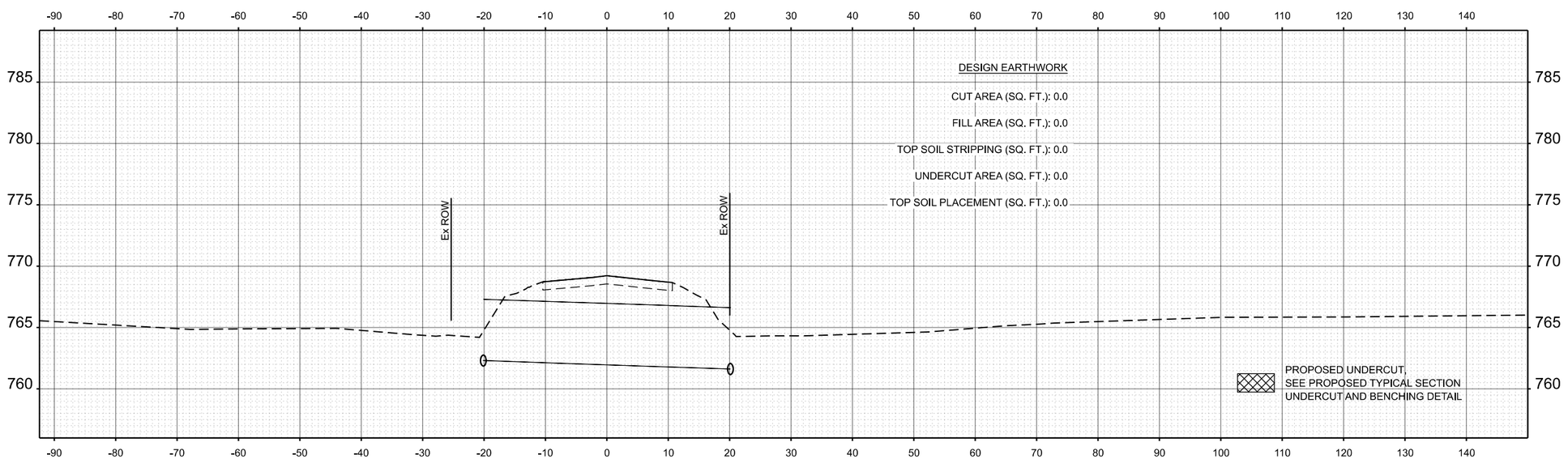
USER NAME = mlange	DESIGNED - TS		REVISED -
	DRAWN - TS		REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -		REVISED -
PLOT DATE = 2/20/2026	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

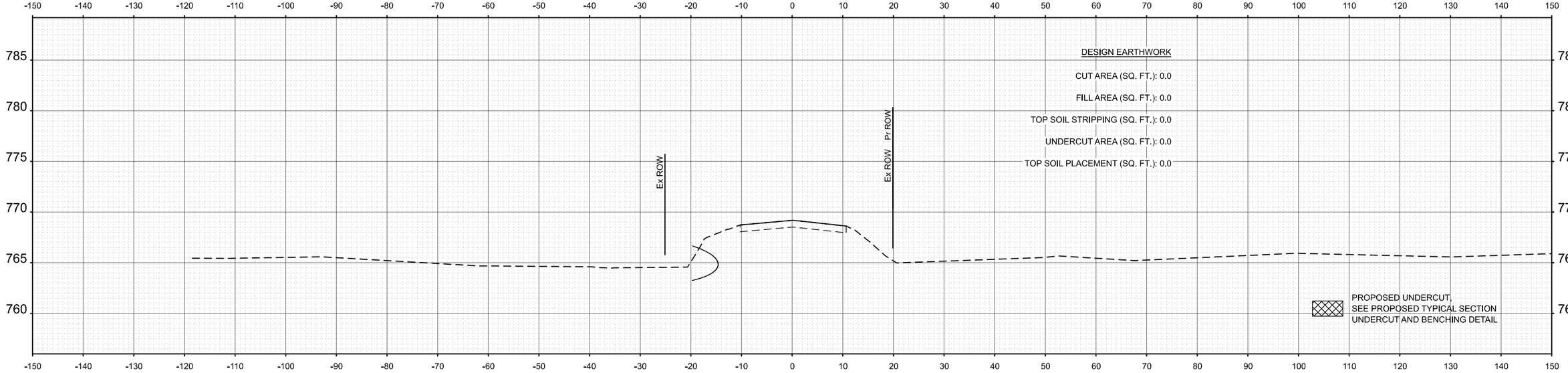
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 16 OF 20 SHEETS | STA. 14+75.00 | TO STA. 14+78.37

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	132
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



STA 15+01.91



STA 14+89.99

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

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

MODEL: PrCL_WSOLONRD - 14+89.99 |Sheet|
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ENGINEERING RESOURCE ASSOCIATES

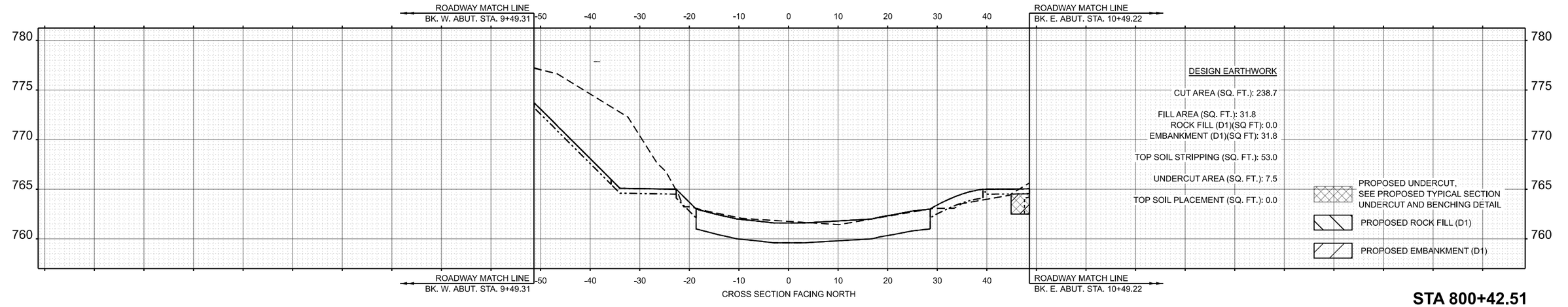
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - TS	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

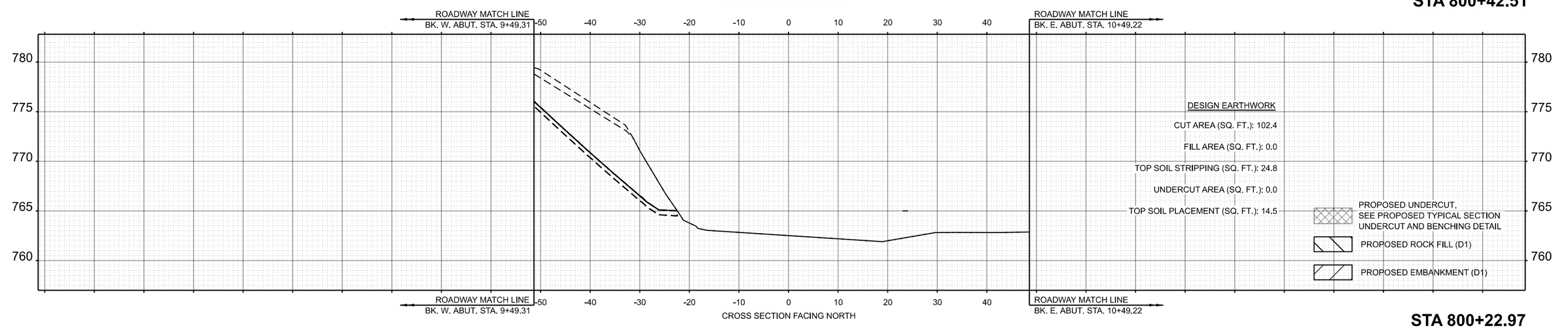
CROSS SECTIONS - MAINLINE
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 17 OF 20 SHEETS | STA. 14+89.99 | TO STA. 15+01.91

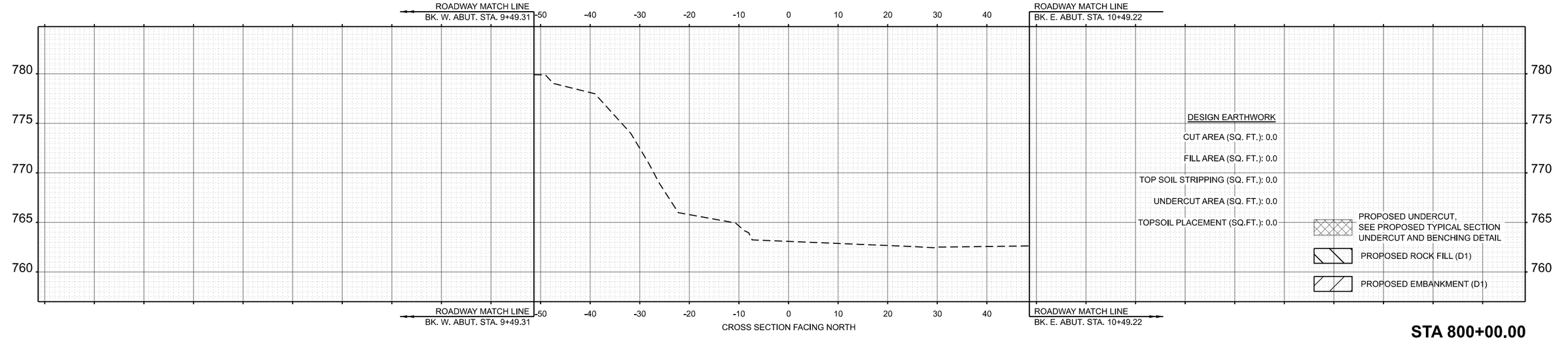
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	133
		CONTRACT NO. 61L86		
	ILLINOIS	FED. AID PROJECT		



STA 800+42.51



STA 800+22.97



STA 800+00.00

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

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

MODEL: ExCL_NB_Nippersink_Creek - 800+00.00Sheet1
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-slh-creek_xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

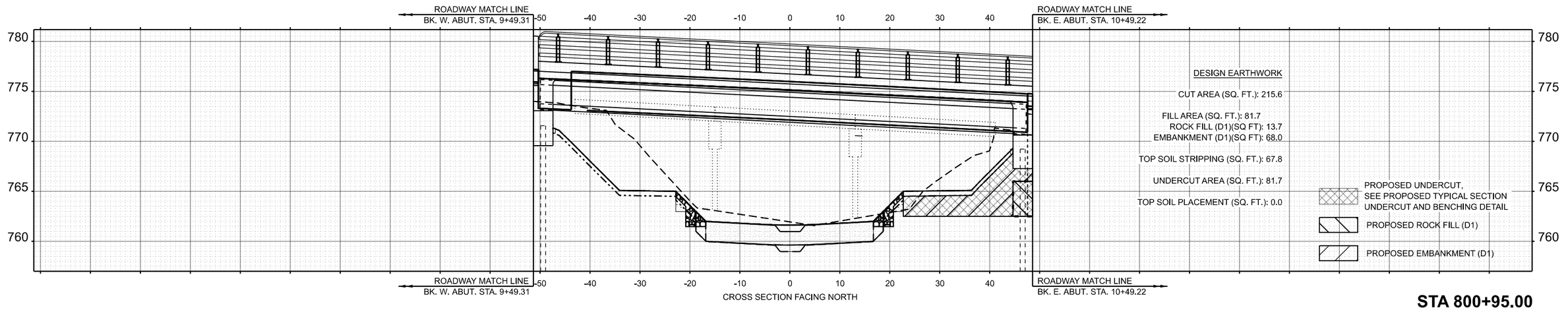
USER NAME = mlange		DESIGNED - TS		REVISED -	
		DRAWN - NM		REVISED -	i
PLOT SCALE = 0.16666633 ' / In.		CHECKED - M		REVISED -	
PLOT DATE = 2/20/2026		DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

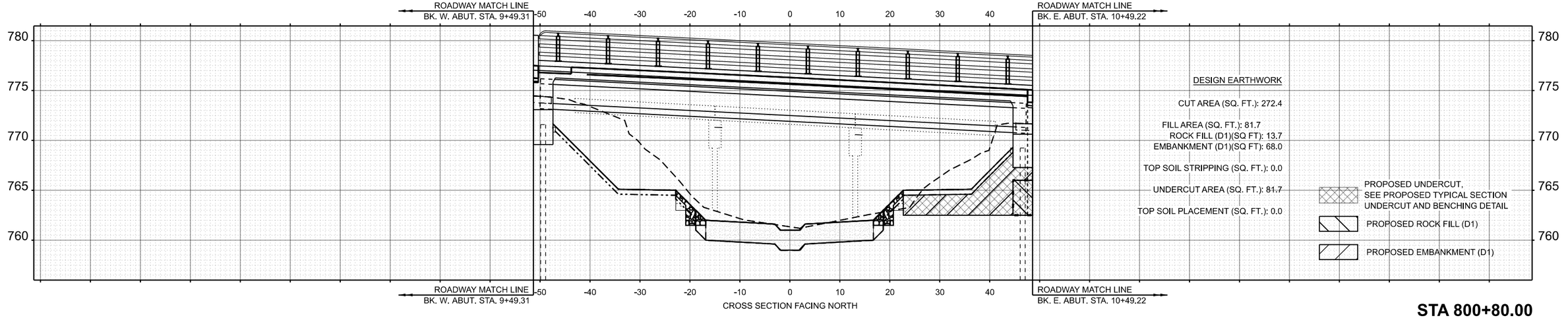
CROSS SECTIONS - CREEK
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 18 OF 20 SHEETS | STA. 800+00.00 | TO STA. 800+42.51

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	134
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			



STA 800+95.00



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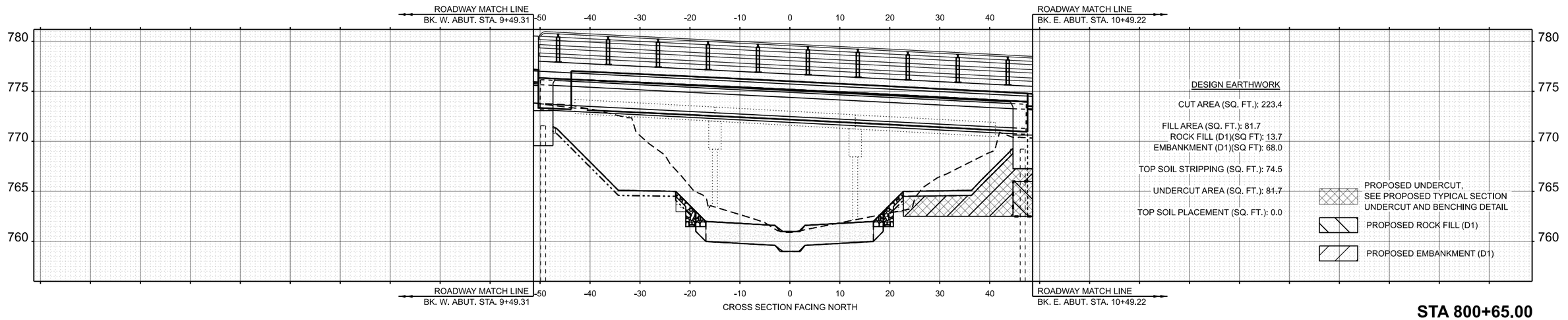


STA 800+65.00

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

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

MODEL: ExCL_NB_Nippersink_Creek - 800+65.00_Sheet1
FILE NAME: H:\McHenryCounty\W23301.00 West Solon Phase II\CADD\CADD ORD 23-02\01_Roadway\03_Sheet\22_Cross Sections\W23301-slh-creek_xssht.dgn

ENGINEERING RESOURCE ASSOCIATES

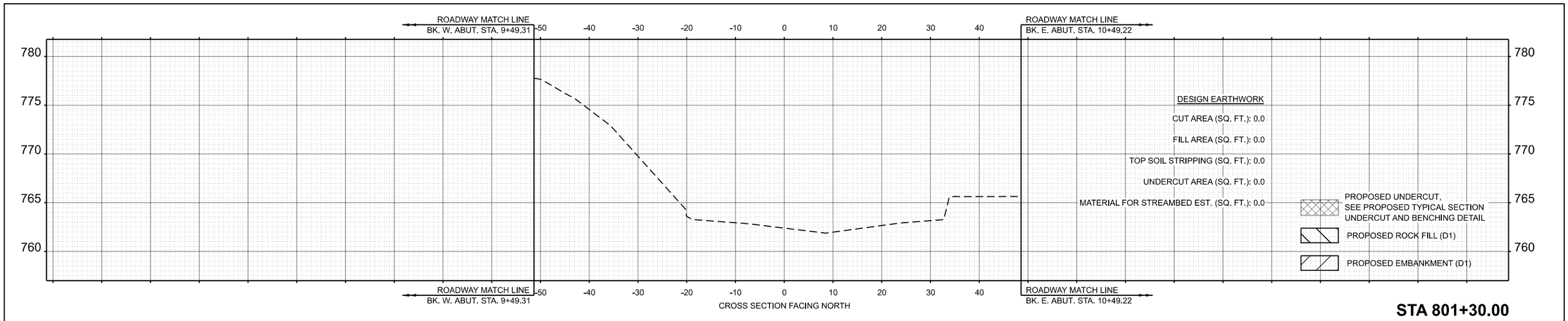
USER NAME = mlange	DESIGNED - TS	REVISED -	
	DRAWN - NM	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 2/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

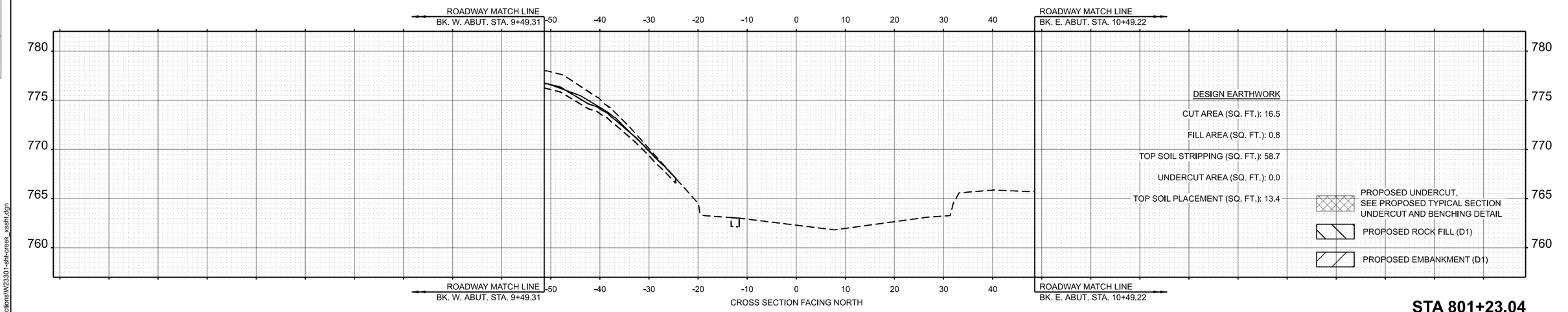
CROSS SECTIONS - CREEK
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=5' | SHEET 19 OF 20 SHEETS | STA. 800+65.00 | TO STA. 800+95.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	135
		CONTRACT NO. 61L86		
		ILLINOIS	FED. AID PROJECT	



STA 801+30.00



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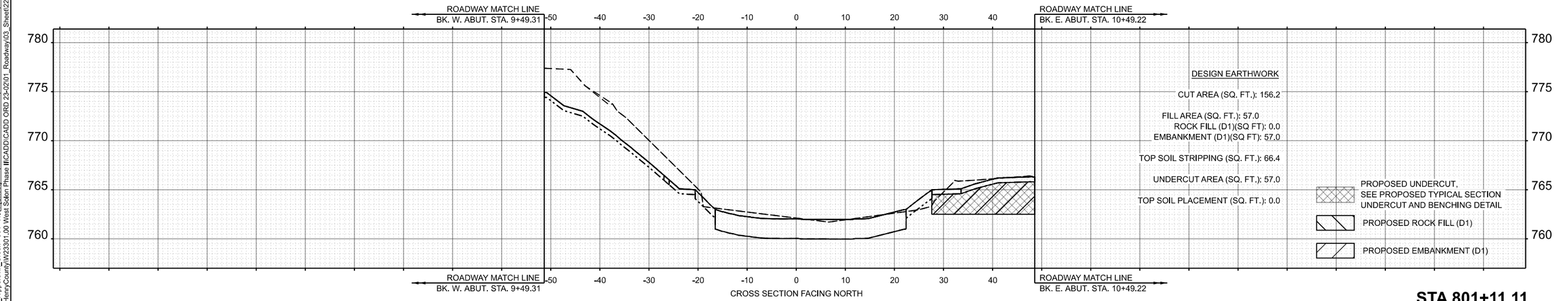

STA 801+11.11

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

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

MODEL: ExCL_NB_NippersInk_Creek - 801+11.11Sheet1
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ENGINEERING RESOURCE ASSOCIATES

USER NAME = mlange	DESIGNED - TS	REVISED -
	DRAWN - NM	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 2/20/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - CREEK
W SOLON RD OVER NB NIPPERSINK CREEK

SCALE: 1"=10' | SHEET 20 OF 20 SHEETS | STA. 801+11.11 | TO STA. 801+30.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	19-00510-00-BR	MCHENRY	136	136
		CONTRACT NO. 61L86		
	ILLINOIS FED. AID PROJECT			