

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	1
		ILLINOIS CONTRACT NO. 61L82		

11/07/2025 LETTING ITEM 110
 FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED
 HIGHWAY PLANS

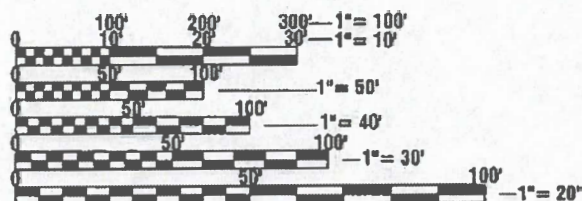
MUN ROUTE 4070 (21ST STREET) OVER ADDISON CREEK
 SECTION: 22-00086-00-BR
 STRUCTURE #: 016-6650 REPLACEMENT
 PROJECT NO: S3ID(047)
 VILLAGE OF BROADVIEW
 COOK COUNTY

TRAFFIC DATA (W 21ST STREET):
 LOCAL ROAD
 CURRENT ADT (2022) = 900 VPD
 DESIGN SPEED LIMIT = 30 MPH



CiorbaGroup
 CONSULTING ENGINEERS

DESIGN FIRM REGISTRATION NUMBER: 184-001016
 8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

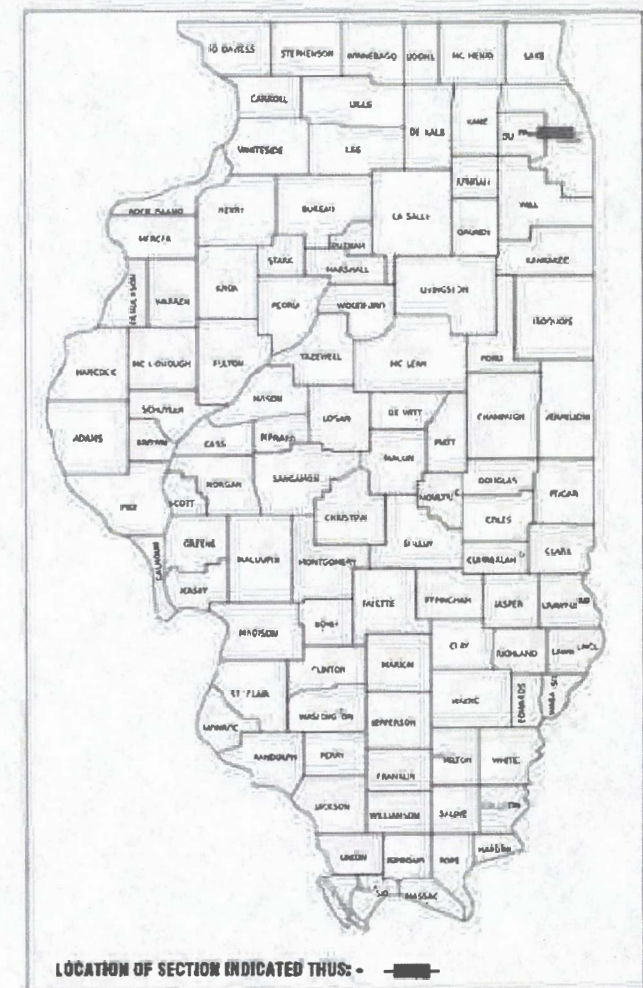
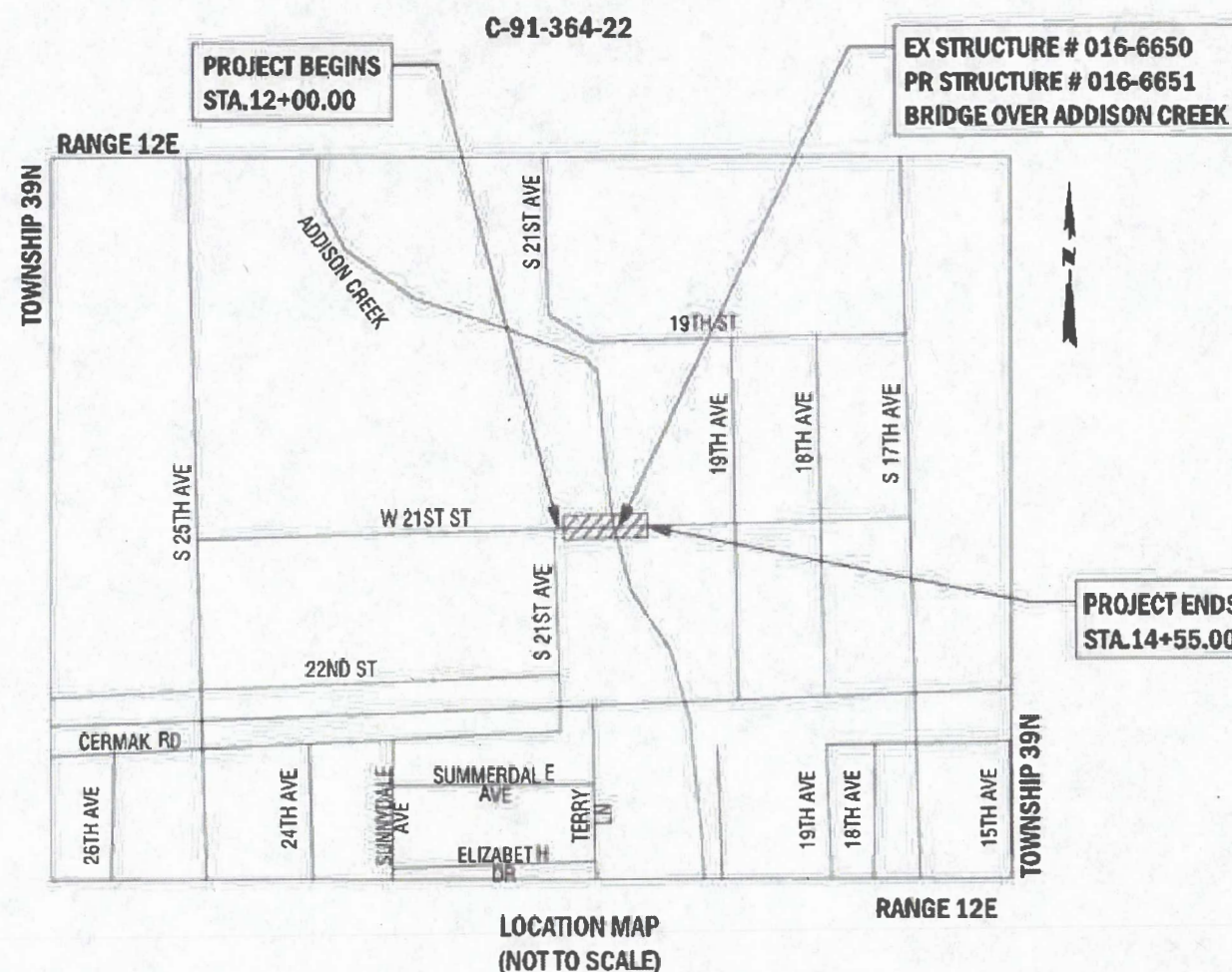


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
 ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
 CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
 ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: IYAD DAAS

CONTRACT NO. 61L82



ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	7/23/25
BROADVIEW PUBLIC WORKS DIRECTOR	
PASSED	SEPT. 3, 2025
DISTRICT ENGINEER OF LOCAL ROADS & STREETS	
RELEASING FOR BID BASED ON LIMITED REVIEW	SEPT 3 25
REGIONAL ENGINEER	

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 OF THE STATE OF ILLINOIS

MODEL: sMODELNAME5
FILE NAME: pwr/ciorba-pw-bentley.com:ctiorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/MiscSheets/0021488.02-Index-General_Notes.dgn
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DISTRICT ONE DETAILS

BE-300	LIGHT POLE FOUNDATION, 30' TO 35' M.H., 11 1/2" BOLT CIRCLE
BE-403	ALUMINUM LIGHT POLE, 30'-0" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS, SHEET A
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
515001-04	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 36" (900 mm) DIA. SKEWED WITH ROADWAY
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATION, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15'(4.5 m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULT-LN, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PREFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS): THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2025; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS": THESE PLANS; AND THE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS.
- ANY REFERENCE TO A STANDARD THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS FOR ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS, IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOURS NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE, AND WITH LOCAL EMERGENCY SERVICES.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MEASUREMENTS NEEDED BEFORE THE ORDERING OF MATERIALS. ANY VARIATIONS FROM THE PLANS ARE NOT THE RESPONSIBILITY OF THE DEPARTMENT AND NO ADDITIONAL COMPENSATION WILL BE AWARDED.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.
- ALL ELEVATIONS ARE ON THE U.S.G.S. DATUM NAVD 88.
- ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, BACKS OF CURB, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF IMPROVEMENT . ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED.
- ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE CLEANED, LAYERED WITH TOPSOIL, AND SEEDED OR SODDED AS SHOWN ON THE PLANS.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER 9 INCHES SHALL BE CS 1 OR RR 1.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM 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 ACCORDINACE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS 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.

GENERAL NOTES (CONT.)

- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT Kalpana.Kannan-Hosadurga@Illinois.gov A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 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 52 - 54 NOTE THAT THE RECORD PLANS ARE INCOMPLETE AND CONTAIN ONLY WHAT THE VILLAGE HAS ON FILE FOR THIS STRUCTURE.
- THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:
MATT AMES
PUBLIC WORKS DIRECTOR, BROADVIEW
(708) 681-3602
- THOSE SEEKING THE FULL HYDRAULIC REPORT SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:
MATT AMES
PUBLIC WORKS DIRECTOR, BROADVIEW
(708) 681-3602

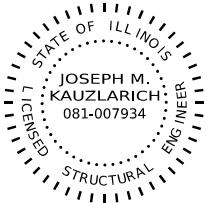
COMMITMENTS

- BUSINESSES SHALL BE INFORMED OF PARKING RESTRICTIONS 48 HOURS PRIOR TO TAKING AFFECT.
- TREES 3 (THREE) INCHES OR GREATER IN DIAMETER SHALL NOT BE CLEARED OR REMOVED BETWEEN APRIL 1 AND SEPTEMBER 30. DIAMETER SHALL BE MEASURED PER ARTICLE 201.10 (B) (1). TREE TRIMMING AND OTHER CLEARING CAN OCCUR AT ANY TIME.
- TEMPORARY FILLS MUST BE REMOVED IN THEIR ENTIRETY AND THE AFFECTED AREAS RETURNED TO PRE-CONSTRUCTION ELEVATIONS. THE AREAS AFFECTED BY TEMPORARY FILLS MUST BE REJUVENTATED, AS APPROPRIATE, WITH A CLASS 4 AND 5A OR 5B SEED MIXTURE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- TEMPORARY LIGHTING SHALL BE DIRECTED AWAY FROM SUITABLE BAT HABITAT DURING THE ACTIVE SEASON. UTILIZING THE BUG SYSTEM, BE AS CLOSE TO 0 FOR ALL THREE RATINGS WITH A PRIORITY FOR "UPLIGHT" OF 0 AND BACKLIGHT AS LOW AS PRACTICAL.



DATE: 8/20/2025
SEAL EXPIRES: 11/30/2025
SHEETS: 1 - 16; 20 - 26; 55 - 60

Matthew J. Lohan



DATE: 8/20/2025
SEAL EXPIRES: 11/30/2026
SHEETS: 27 - 54

Joe Kauzlarich



DATE: 8/20/2025
SEAL EXPIRES: 11/30/2025
SHEETS: 13 - 14; 17 - 19

M. Anthony Wolfe



8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - EPS	REVISED -
PLOT SCALE =	DRAWN - AMS	REVISED -
PLOT DATE =	DATE - 7/28/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK
INDEX, HIGHWAY STANDARDS, AND GENERAL NOTES

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	2
		CONTRACT NO.		61L82
		ILLINOIS FED. AID PROJECT		

MODEL: sMODEL\NAMES
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<div><div>A. REFERENCED SPECIFICATIONS</div><div>1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS: * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION; * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION; * VILLAGE OF BROADVIEW MUNICIPAL CODE; * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL; * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.</div><div>B. NOTIFICATIONS</div><div>1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG). 2. THE VILLAGE OF BROADVIEW ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE. 3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.</div><div>C. GENERAL NOTES</div><div>1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). 2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS. 3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT. 4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS. 5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS. 6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. 7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER. 8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES. 9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION. 10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.</div><div>D. SANITARY SEWER</div><div>1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS. 2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED. 3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD. 4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION). 5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM. 6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM. 7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:</div></div> <td><div><div>PIPE MATERIAL</div><div>VITRIFIED CLAY PIPE REINFORCED CONCRETE SEWER PIPE CAST IRON SOIL PIPE DUCTILE IRON PIPE POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46 HIGH DENSITY POLYETHYLENE (HDPE) WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH</div><div>PIPE SPECIFICATIONS</div><div>ASTM C-700 ASTM C-76 ASTM A-74 ANSI A21.51 ASTM D-3034 ASTM F-679 ASTM D-3350 ASTM D-3035 ASTM D-2241 AWWA C900 AWWA C905</div><div>JOINT SPECIFICATIONS</div><div>ASTM C-425 ASTM C-443 ASTM C-564 ANSI A21.11 ASTM D-3212 ASTM D-3212 ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED) ASTM D-3139 ASTM D-3139 ASTM D-3139</div></div><div><div>THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.</div><div><div>PIPE MATERIAL</div><div>POLYPROPYLENE (PP) PIPE 12-INCH TO 24-INCH DOUBLE WALL 30-INCH TO 60-INCH TRIPLE WALL</div><div>PIPE SPECIFICATIONS</div><div>ASTM F-2736 ASTM F-2764</div><div>JOINT SPECIFICATIONS</div><div>D-3212, F-477 D3212, F-477</div></div><div><div>8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC. 9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS. 10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID. 11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED: a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE. b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION. c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING COUPLINGS TO HOLD IT FIRMLY IN PLACE. 12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED. 13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED. 14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE. 15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS. 16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG. 17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS. 18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.</div></div></div></td> <td><div><div>E. EROSION AND SEDIMENT CONTROL</div><div>1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. 2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE. 3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL. 4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. 5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM: a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE. b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION. 6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES. 7. 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DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS. 12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT). 13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. 14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS. 15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET. 16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES. 17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES. 18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES. 19. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM. 20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES. 21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED. 22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION. 23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.</div></div></td> <td><div><div>F. MISC. CONSTRUCTION NOTES</div><div>1. THE CONTRACTOR SHALL CONTACT THE MWRD FIELD OFFICE AT 708-588-4055 TO COORDINATE WITH THE MAINTENANCE AND OPERATIONS DEPARTMENT BEFORE CONSTRUCTION WITH ANY QUESTIONS REGARDING ACCESS TO OR FIELD LOCATION OF MWRD STRUCTURES/SEWERS/FACILITIES. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING MWRD FACILITIES FROM ALL CONSTRUCTION OPERATIONS, VIBRATIONS, AND HEAVY EQUIPMENT. 3. DURING CONSTRUCTION, CONTRACTOR SHALL EXERCISE EXTRA CAUTION FOR THE SAFETY AND INTEGRITY OF THE MWRD FACILITIES. 4. ALL MWRD UTILITY ACCESS POINTS SUCH AS MANHOLES, ACCESS HATCHES, ETC. WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED. 5. NO DEBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITIES. 6. MWRD PERSONNEL SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/FACILITIES. 7. IT IS REQUESTED THAT MWRD MANHOLES BE LOCATED, PROTECTED, AND/OR ADJUSTED TO GRADE, IF NECESSARY. COORDINATE WITH THE MWRD FIELD OFFICE AND MWRD MAINTENANCE AND OPERATIONS DEPARTMENT.</div></div></td>	<div><div>PIPE MATERIAL</div><div>VITRIFIED CLAY PIPE REINFORCED CONCRETE SEWER PIPE CAST IRON SOIL PIPE DUCTILE IRON PIPE POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46 HIGH DENSITY POLYETHYLENE (HDPE) WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH</div><div>PIPE SPECIFICATIONS</div><div>ASTM C-700 ASTM C-76 ASTM A-74 ANSI A21.51 ASTM D-3034 ASTM F-679 ASTM D-3350 ASTM D-3035 ASTM D-2241 AWWA C900 AWWA C905</div><div>JOINT SPECIFICATIONS</div><div>ASTM C-425 ASTM C-443 ASTM C-564 ANSI A21.11 ASTM D-3212 ASTM D-3212 ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED) ASTM D-3139 ASTM D-3139 ASTM D-3139</div></div> <div><div>THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.</div><div><div>PIPE MATERIAL</div><div>POLYPROPYLENE (PP) PIPE 12-INCH TO 24-INCH DOUBLE WALL 30-INCH TO 60-INCH TRIPLE WALL</div><div>PIPE SPECIFICATIONS</div><div>ASTM F-2736 ASTM F-2764</div><div>JOINT SPECIFICATIONS</div><div>D-3212, F-477 D3212, F-477</div></div><div><div>8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC. 9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS. 10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID. 11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED: a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE. b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION. c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING COUPLINGS TO HOLD IT FIRMLY IN PLACE. 12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED. 13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED. 14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE. 15. 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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK
MWRD GENERAL NOTES

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	3
		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

MODEL: \$MODELNAME\$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/MiscSheets/0021488.02-50Q.dgn



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USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - EPS	REVISED -
PLOT SCALE =	DRAWN - AMS	REVISED -
PLOT DATE =	DATE - 7/28/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK SUMMARY OF QUANTITIES			
SCALE:	SHEET 1	OF 6 SHEETS	STA. TO STA.

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	4
		CONTRACT NO. 61L82		
		ILLINOIS	FED. AID PROJECT	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA ROADWAY 0004	80% FED / 20% LPA BRIDGE 0010 016-6651	100% LOCAL ROADWAY 0004
	20200100	EARTH EXCAVATION	CU YD	295	215		80
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	40	15		25
	20300100	CHANNEL EXCAVATION	CU YD	315	315		
	20800150	TRENCH BACKFILL	CU YD	24	24		
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	82	11		71
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	135	135		
	25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25		
	25000310	SEEDING, CLASS 4	ACRE	0.25	0.25		
	25000324	SEEDING, CLASS 5B	ACRE	0.25	0.25		
	25100645	WILDLIFE FRIENDLY EROSION CONTROL BLANKET	SQ YD	135	135		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	3	3		
	28000400	PERIMETER EROSION BARRIER	FOOT	108	108		
	28000510	INLET FILTERS	EACH	3	3		
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	135	135		
	28100107	STONE RIPRAP, CLASS A4	SQ YD	557		557	
	28200200	FILTER FABRIC	SQ YD	557		557	

MODEL: sMODELNAME5
FILE NAME: pwr/ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/MiscSheets/0021488.02-50Q.dgn

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	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	81	57		24
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	283			283
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	154	81		73
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	110	66		44
	35501287	HOT-MIX ASPHALT BASE COURSE, 2 1/4"	SQ YD	246			246
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	16	2		14
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	69	23		46
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	21			21
	42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	148	148		
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	33	29		4
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,022	393		629
	44000100	PAVEMENT REMOVAL	SQ YD	654	408		246
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	190	131		59
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	345	215		130
	44000600	SIDEWALK REMOVAL	SQ FT	1,314	842		472
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK SUMMARY OF QUANTITIES			
SCALE:	SHEET 2	OF 6 SHEETS	STA. TO STA.

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	5
		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

MODEL: sMODELNAME\$
FILE NAME: pwr://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/MiscSheets/0021488.02-50Q.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK SUMMARY OF QUANTITIES			
SCALE:	SHEET 3	OF 6	SHEETS
STA.	TO STA.		

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	6
		CONTRACT NO. 61L82		
		ILLINOIS	FED. AID PROJECT	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA ROADWAY 0004	80% FED / 20% LPA BRIDGE 0010 016-6651	100% LOCAL ROADWAY 0004
	50200100	STRUCTURE EXCAVATION	CU YD	185		185	
	50200300	COFFERDAM EXCAVATION	CU YD	142		142	
	50300225	CONCRETE STRUCTURES	CU YD	182.7		182.7	
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	301.3		301.3	
	50300260	BRIDGE DECK GROOVING	SQ YD	572		572	
	50300300	PROTECTIVE COAT	SQ YD	851		851	
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	145.1		145.1	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	169,810		169,810	
X	50900105	ALUMINUM RAILING, TYPE L	FOOT	182		182	
	51201610	FURNISHING STEEL PILES HP12X63	FOOT	1,288		1,288	
	51202305	DRIVING PILES	FOOT	1,250		1,250	
	51203610	TEST PILE STEEL HP12X63	EACH	4		4	
	51204650	PILE SHOES	EACH	30		30	
	51500100	NAME PLATES	EACH	1		1	
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	460		460	
	54215430	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 30"	EACH	1	1		

MODEL: \$MODELNAME\$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/MiscSheets/0021488.02-50Q.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK SUMMARY OF QUANTITIES			
SCALE:	SHEET 4	OF 6 SHEETS	STA. TO STA.

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	7
		CONTRACT NO. 61L82		
		ILLINOIS FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA ROADWAY 0004	80% FED / 20% LPA BRIDGE 0010 016-6651	100% LOCAL ROADWAY 0004
	54261248	CONCRETE END SECTION, STANDARD 542001, 48", 1:2	EACH	1	1		
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	14	14		
	550A0780	STORM SEWERS, CLASS A, TYPE 3 48"	FOOT	13	13		
	55101400	STORM SEWER REMOVAL 30"	FOOT	16	16		
	55101900	STORM SEWER REMOVAL 48"	FOOT	23	23		
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	90		90	
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	54		54	
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2		
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	138		138	
	60146305	PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4"	FOOT	20	20		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	209	79		130
X	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	955	900		55
X	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
X	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
X	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
X	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10		

MODEL: \$MODELNAME\$
FILE NAME: pw://ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/MiscSheets/0021488.02-50Q.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK SUMMARY OF QUANTITIES			
SCALE:	SHEET 5	OF 6	SHEETS
STA.	TO STA.		

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	8
		CONTRACT NO. 61L82		
		ILLINOIS FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA ROADWAY 0004	80% FED / 20% LPA BRIDGE 0010 016-6651	100% LOCAL ROADWAY 0004
	67100100	MOBILIZATION	L SUM	1	1		
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	10	10		
X	81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	43	43		
X	81100420	CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	83	83		
X	81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2	2		
X	81603051	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	216	216		
X	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	150	150		
X	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	450	450		
X	82110003	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION C	EACH	2	2		
X	83006500	LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. MAST ARM	EACH	2	2		
X	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	18	18		
X	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2	2		
X	84200804	REMOVAL OF POLE FOUNDATION	EACH	2	2		
X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,560	1,560		
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	300	300		
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		

MODEL: \$MODELNAME\$
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA ROADWAY 0004	80% FED / 20% LPA BRIDGE 0010 016-6651	100% LOCAL ROADWAY 0004
X	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2	2		
X	Z0036200	PAINT CURB	FOOT	192	79		113
#	Z0076600	TRAINEES	HOUR	500			
#	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			
	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	2	2		
	X0326806	WASHOUT BASIN	L SUM	1	1		
X	X0326836	REMOVE AND REINSTALL VIDEO CAMERA AND EQUIPMENT	EACH	1	1		
	X2810844	REMOVE EXISTING RIPRAP	SQ YD	89	89		
	X5010523	REMOVE CONCRETE END SECTION	EACH	2	2		
	X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2		2	
X	X6640525	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	FOOT	6		6	
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6		
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	43	43		
X	X8400102	MAINTENANCE OF LIGHTING SYSTEM	EACH	1	1		

0042



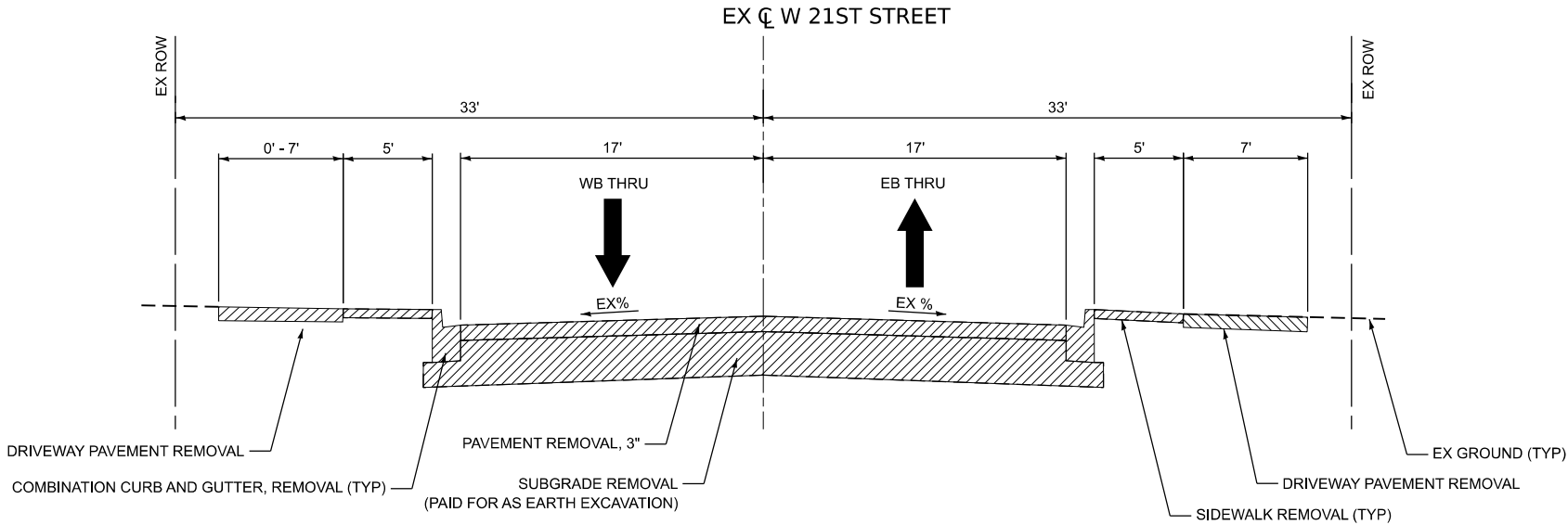
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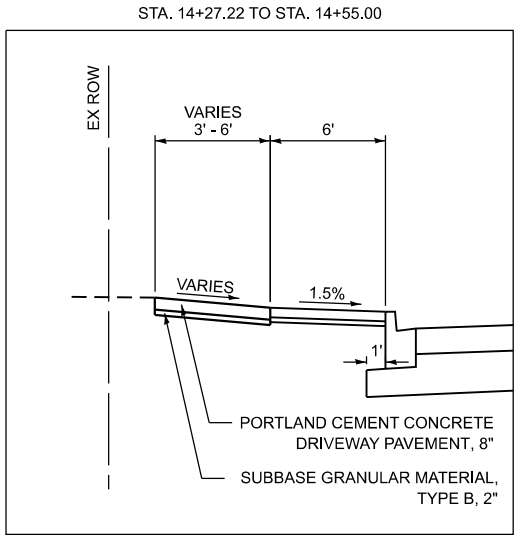
21ST STREET OVER ADDISON CREEK SUMMARY OF QUANTITIES			
SCALE:	SHEET 6	OF 6	SHEETS
STA.	TO STA.		

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	9
		CONTRACT NO. 61L82		
		ILLINOIS	FED. AID PROJECT	

MODEL: sMODELNAME\$
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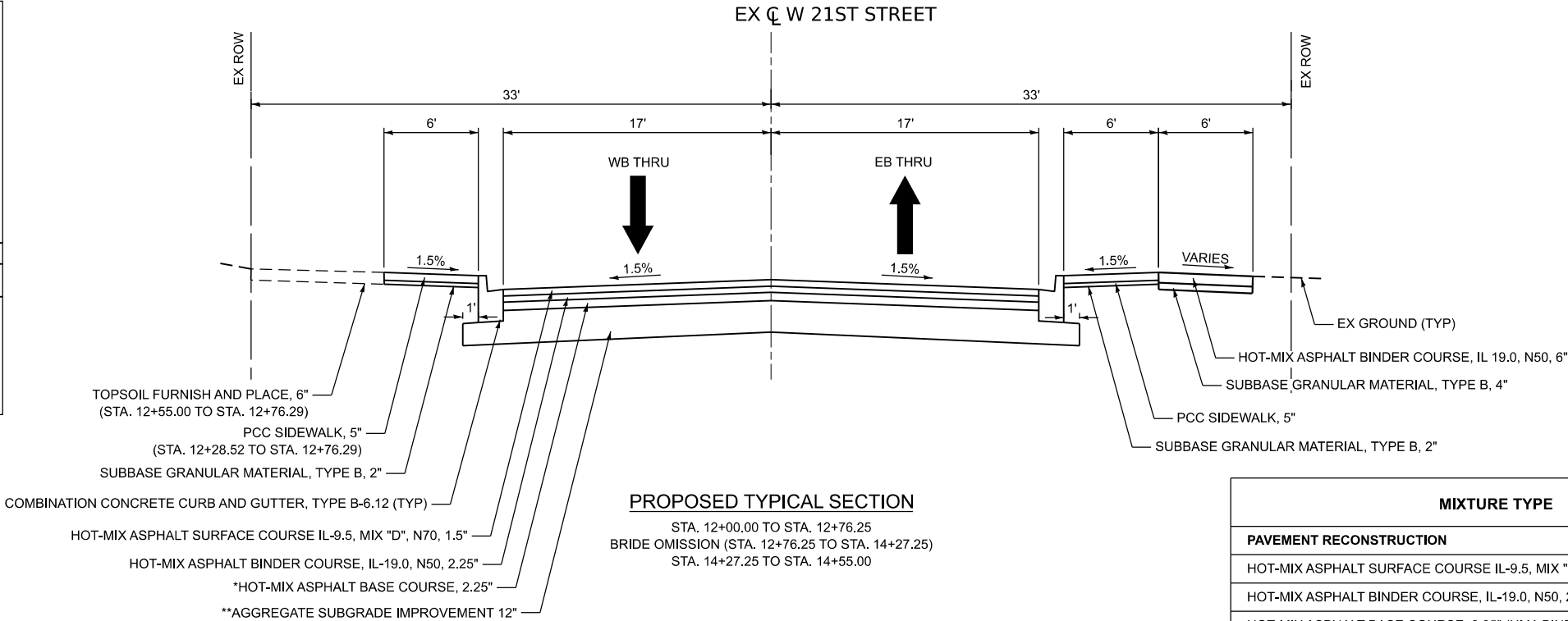


EXISTING TYPICAL SECTION
STA. 12+00.00 TO STA. 13+10.52
BRIDGE OMISSION (STA. 13+10.52 TO STA. 13+93.15)
STA. 13+93.15 TO STA. 14+55.00



*PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
FROM STA. 12+56.73 TO STA. 12+76.25 AND
FROM STA. 14+27.25 TO STA. 14+46.77
HOT-MIX ASPHALT BASE COURSE DEPTH VARIES FROM 2.25"-11.25"

**AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
FROM STA. 12+56.73 TO STA. 12+76.25 AND
FROM STA. 14+27.25 TO STA. 14+46.77
DEPTH VARIES FROM 6"-12" UNDER PAVEMENT CONNECTOR



PROPOSED TYPICAL SECTION
STA. 12+00.00 TO STA. 12+76.25
BRIDGE OMISSION (STA. 12+76.25 TO STA. 14+27.25)
STA. 14+27.25 TO STA. 14+55.00

MIXTURE TYPE	PERCENT AIR VOIDS	QMP
PAVEMENT RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "D", N70, 1.5"	4% @ 70 GYR	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"	4% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT BASE COURSE, 2.25" (HMA BINDER IL-19.0)	4% @ 50 GYR	LR 1030-2
PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB		
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "D", N70, 1.5"	4% @ 70 GYR	LR 1030-2
HOT-MIX ASPHALT BASE COURSE, 2.25"-11.25" (HMA BINDER IL-19.0)	4% @ 50 GYR	LR 1030-2
PAVEMENT BEHIND SIDEWALK		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6.0"	4% @ 50 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2.		

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



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EARTHWORK TABLE (80/20 SPLIT)								
STATION	LENGTH	CHANNEL EXCAVATION	EARTH EXCAVATION	NON-SPECIAL WASTE	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) [1]	EMBANKMENT	UNSUITABLE MATERIAL	EARTHWORK BALANCE WASTE () OR SHORTAGE (-) [1]
	(FT)	(CU YD)	A (CU YD)	B (CU YD)	C=(A-B)*(1-%) (CU YD)	D (CU YD)	E (CU YD)	F=C-D (CU YD)
21ST STREET								
12+57								
12+76	19.6		37.3	18.7	15.9	0.1	2.0	15.8
13+06	30.0		61.3	31.9	25.0	0.1	6.1	24.9
BRIDGE OMISSION								
13+97								
14+27	30.0		70.7	0.0	60.1	0.0	3.1	60.1
14+47	19.6		42.0	0.0	35.7	0.0	0.0	35.7
CHANNEL EXCAVATION		315.0		315.0				
STRUCTURAL EXCAVATION				400.0				
STORM SEWER EXCAVATION				130.0				
ROAD TOTAL		315.0	215.0	900.0	140.0	5.0	15.0	140.0

EARTHWORK TABLE (VILLAGE)								
STATION	LENGTH	CHANNEL EXCAVATION	EARTH EXCAVATION	NON-SPECIAL WASTE	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) [1]	EMBANKMENT	UNSUITABLE MATERIAL	EARTHWORK BALANCE WASTE () OR SHORTAGE (-) [1]
	(FT)	(CU YD)	A (CU YD)	B (CU YD)	C=(A-B)*(1-%) (CU YD)	D (CU YD)	E (CU YD)	F=C-D (CU YD)
21ST STREET								
12+00								
12+50	49.9		46.5	46.2	0.3	0.5	16.6	-0.2
12+57	6.7		12.3	6.2	5.2	0.1	2.2	5.1
BRIDGE OMISSION								
14+47								
14+55	8.1		16.2	0.0	13.8	0.1	2.7	13.7
ROAD TOTAL		0.0	80.0	55.0	20.0	5.0	25.0	20.0

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (100% VILLAGE)			
LOCATION			TON
STATION	STATION	L/R	
12+00.00	12+56.73	CL	18.0
14+46.77	14+55.00	CL	2.6
TOTAL			21

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (100% VILLAGE)			
LOCATION			TON
STATION	STATION	L/R	
12+00.00	12+56.73	RT	12.7
12+00.00	12+56.73	CL	27.0
14+05.40	14+55.00	RT	1.8
14+46.77	14+55.00	LT	3.9
TOTAL			46

HOT- MIX ASPHALT BASE COURSE, 2.25" (100% VILLAGE)			
LOCATION			SY YD
STATION	STATION	L/R	
12+00.00	12+56.73	RT	214.3
14+46.77	14+55.00	RT	31.1
TOTAL			246

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (100% VILLAGE)			
LOCATION			FOOT
STATION	STATION	L/R	
12+00.00	12+56.71	LT	56.7
12+00.00	12+56.70	RT	56.7
14+46.80	14+55.00	LT	8.2
14+46.80	14+55.00	RT	8.2
TOTAL			130

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (100% VILLAGE)			
LOCATION			SQ FT
STATION	STATION	L/R	
12+25.10	12+56.73	LT	189.8
12+00.00	12+56.73	RT	340.4
14+46.77	14+55.00	LT	49.4
14+46.77	14+55.00	RT	49.4
TOTAL			629

AGGREGATE SUBGRADE IMPROVEMENT 12" (100% VILLAGE)			
LOCATION			SQ YD
STATION	STATION	L/R	
12+00.00	12+56.73	CL	247.1
14+46.77	14+55.00	CL	35.8
TOTAL			283

SUBBASE GRANULAR MATERIAL, TYPE B, 2.0" (100% VILLAGE)			
LOCATION			SQ YD
STATION	STATION	L/R	
12+00.00	12+56.73	RT	37.8
12+25.10	12+56.73	LT	21.1
14+46.77	14+55.00	LT	5.5
14+46.77	14+55.00	RT	5.5
14+46.77	14+55.00	RT	3.0
TOTAL			73

SUBBASE GRANULAR MATERIAL, TYPE B, 4.0" (100% VILLAGE)			
LOCATION			SQ YD
STATION	STATION	L/R	
12+00.00	12+56.73	RT	37.8
14+46.77	14+55.00	RT	5.5
TOTAL			44

PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB (80/20 SPLIT)			
LOCATION			SY YD
STATION	STATION	L/R	
12+56.73	12+76.29	CL	73.9
14+27.22	14+46.77	CL	73.9
TOTAL			148

AGGREGATE SUBGRADE IMPROVEMENT (80/20 SPLIT)			
LOCATION			CU YD
STATION	STATION	L/R	
12+56.73	12+76.29	CL	21.3
14+27.22	14+46.77	CL	21.3
25% PAVEMENT AREA			14.2
TOTAL			57

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (80/20 SPLIT)			
LOCATION		L/R	TON
STATION	STATION		
12+56.73	12+82.61	RT	6.4
12+82.61	13+08.20	RT	6.3
14+05.40	14+46.77	RT	10.2
TOTAL			23

PAINT CURB (80/20 SPLIT)			
LOCATION		L/R	FOOT
STATION	STATION		
12+56.73	12+71.31	LT	14.6
12+56.73	12+81.27	RT	24.5
14+22.24	14+46.77	LT	24.5
14+32.20	14+46.77	RT	14.6
TOTAL			79

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (80/20 SPLIT)			
LOCATION		L/R	SQ YD
STATION	STATION		
13+89.90	14+08.70	LT	12.5
14+08.70	14+20.90	LT	5.4
14+20.90	14+46.77	LT	10.1
TOTAL			29

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (80/20 SPLIT)			
LOCATION			FOOT
STATION	STATION	L/R	
12+56.73	12+71.31	LT	14.6
12+56.73	12+81.27	RT	24.5
14+22.24	14+46.77	LT	24.5
14+32.20	14+46.77	RT	14.6
TOTAL			79

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (80/20 SPLIT)			
LOCATION			SQ FT
STATION	STATION	L/R	
12+56.73	12+70.67	LT	71.1
12+56.73	12+81.97	RT	126.2
14+21.66	14+46.77	LT	125.5
14+32.77	14+46.77	RT	70.0
TOTAL			393

SUBBASE GRANULAR MATERIAL, TYPE B, 2.0" (80/20 SPLIT)			
LOCATION			SQ YD
STATION	STATION	L/R	
12+56.73	12+70.67	LT	9.3
14+21.66	14+46.77	LT	16.7
12+56.73	12+81.97	RT	16.8
14+32.77	14+46.77	RT	9.3
13+89.90	14+08.70	LT	12.5
14+08.70	14+46.77	LT	16.1
TOTAL			81

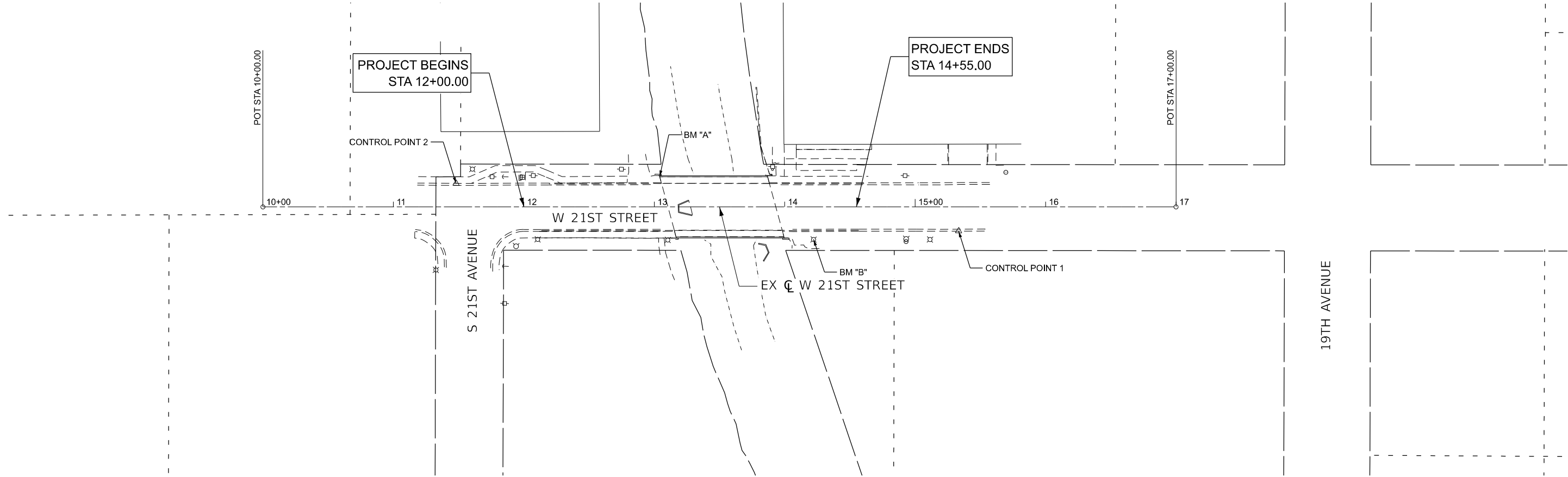
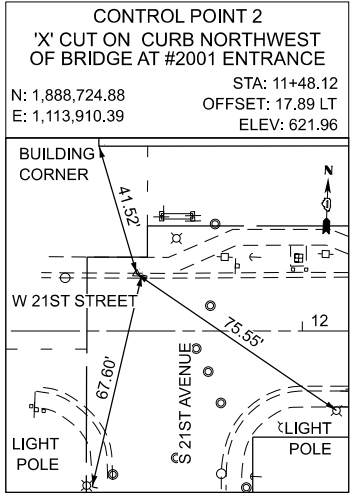
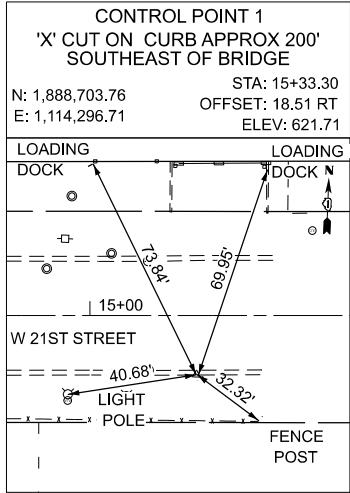
SUBBASE GRANULAR MATERIAL, TYPE B, 4.0" (80/20 SPLIT)			
LOCATION			SQ YD
STATION	STATION	L/R	
12+56.73	12+82.61	RT	18.1
12+82.61	13+08.20	RT	18.2
14+05.40	14+46.77	RT	29.0
TOTAL			66



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK SCHEDULE OF QUANTITIES				M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				4070	22-00086-00-BR	COOK	60	11
								CONTRACT NO. 61L82
								ILLINOIS FED. AID PROJECT



PROJECT COORDINATES

W 21ST STREET			
DESCRIPTION	STATION	NORTHING	EASTING
P.O.T	10+00.00	1,888,701.15	1,113,763.09
P.O.T	17+00.00	1,888,728.86	1,114,462.55

PROJECT BENCHMARKS

W 21ST STREET				
PT #	STATION	OFFSET	ELEV	DESCRIPTION
BM "A"	13+04.14	23.38 LT	624.10	A 'X' ON THE NORTHWEST CORNER OF THE BRIDGE PARAPET.
BM "B"	14+22.01	24.59 RT	622.92	A 'X' ON THE BASE OF THE 1ST LAMP POST EAST OF THE BRIDGE ON THE SOUTH SIDE OF 21st ST.

NOTES:

- ALL COORDINATES SHOWN ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, MAP COORDINATES REFLECT NAD 83 (2011 ADJUSTMENT)
- ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS.
- ELEVATIONS REFLECT THE NAVD 88 (GEOID12A ADJUSTMENT).
- SOME OR ALL OF THE CONTROL POINTS AND BENCHMARKS MAY BE DESTROYED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND RELOCATE THESE OUTSIDE OF THE CONSTRUCTION LIMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.



MODEL: sMODELNAME\$
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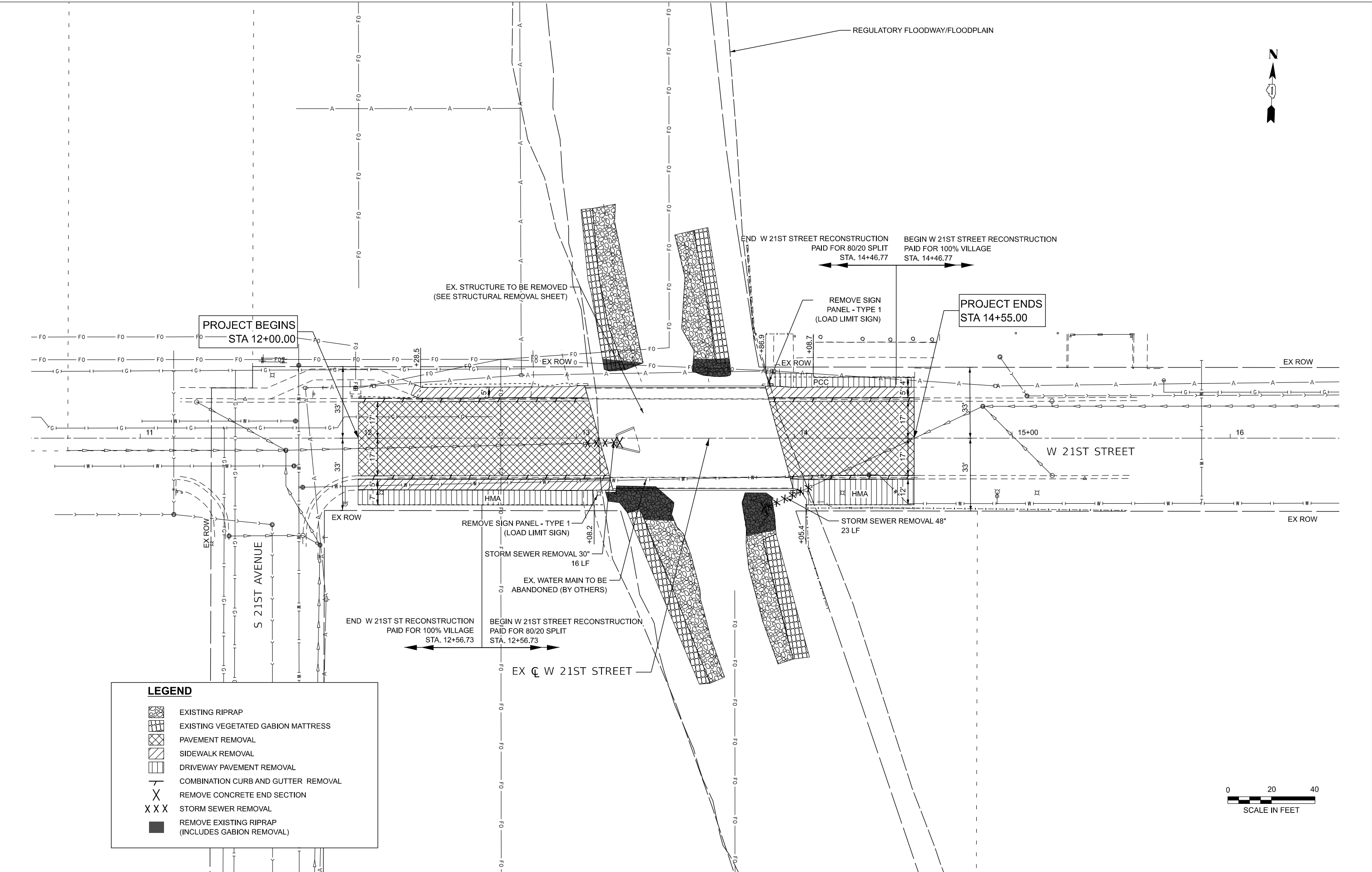
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	CHECKED - EPS	REVISED -
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PLOT DATE =	DATE - 7/28/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION










21ST STREET OVER ADDISON CREEK ALIGNMENT, TIES, AND BENCHMARKS			
SCALE: 1"=40'	SHEET 1 OF 1 SHEETS	STA. 10+00.00	TO STA. 17+00.00

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	12
			CONTRACT NO.	61L82
		ILLINOIS	FED. AID PROJECT	

MODEL: sMODELNAME\$
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LEGEND

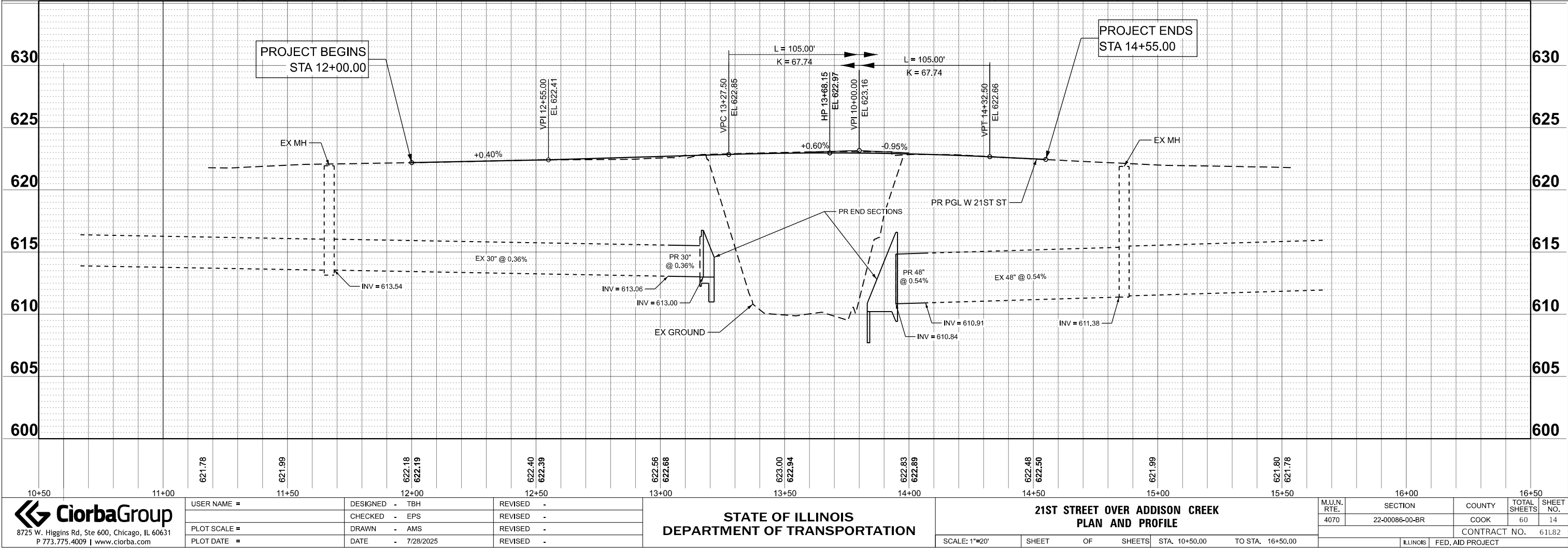
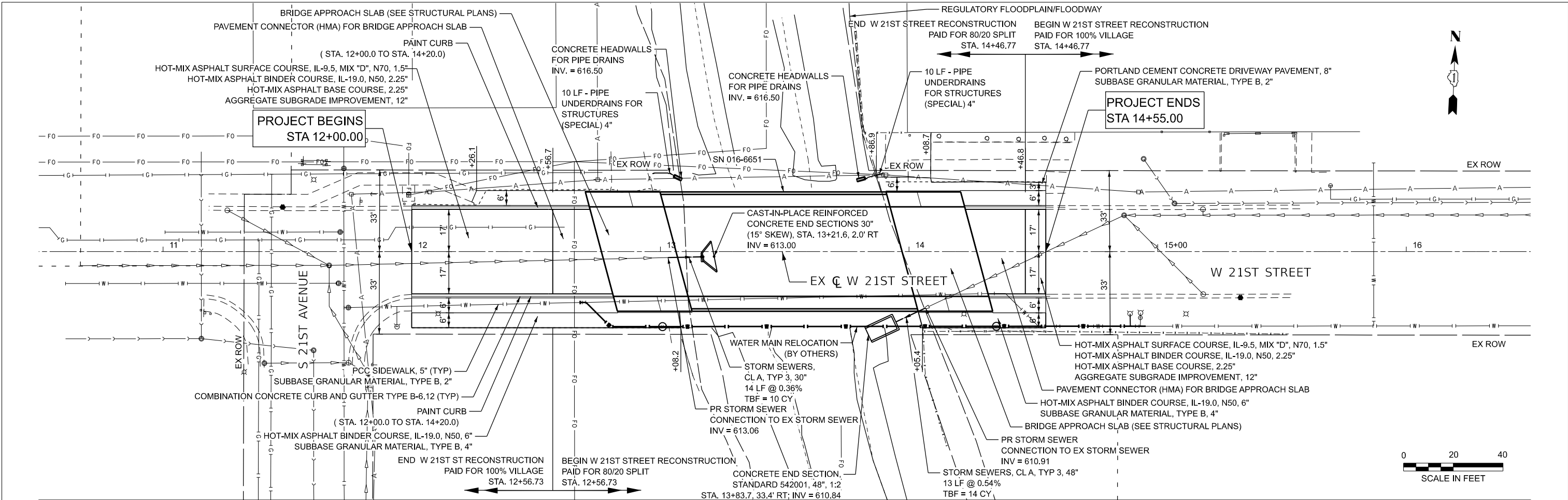
-  EXISTING RIPRAP
-  EXISTING VEGETATED GABION MATTRESS
-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  REMOVE CONCRETE END SECTION
-  STORM SEWER REMOVAL
-  REMOVE EXISTING RIPRAP (INCLUDES GABION REMOVAL)



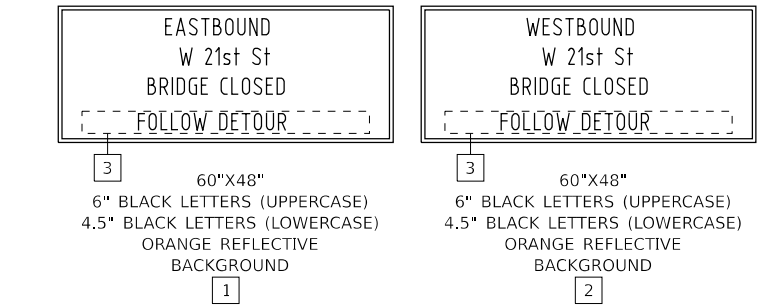
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PLOT DATE =	DATE - 7/28/2025	REVISED -

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	13
		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

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Begins MM/DD/YYYY

3



W20-2-4848

4

W 21st St

SPECIAL 24"x18"
6" BLACK LETTERS (UPPERCASE)
4.5" BLACK LETTERS (LOWERCASE)
ON ORANGE REFLECTIVE
BACKGROUND

5



M3-1-2412

CUSTOM

M4-9-3024

6



M3-1-2412

CUSTOM

M4-9L-3024

7L



M3-1-2412

CUSTOM

M4-9R-3024

7R



M3-1-2412

CUSTOM

M4-9L-3024

8L



M3-1-2412

CUSTOM

M4-9R-3024

8R



M3-3-2412

CUSTOM

M4-9-3024

9



M3-3-2412

CUSTOM

M4-9L-3024

10L



M3-3-2412

CUSTOM

M4-9R-3024

10R



M3-3-2412

CUSTOM

M4-9L-3024

11L



M3-3-2412

CUSTOM

M4-9R-3024

11R



M4-8a
24"x18"

12



R11-2
48"x30"

13



R11-4-6030
M4-10R-4818

14L



R11-4-6030
60"x30"

15



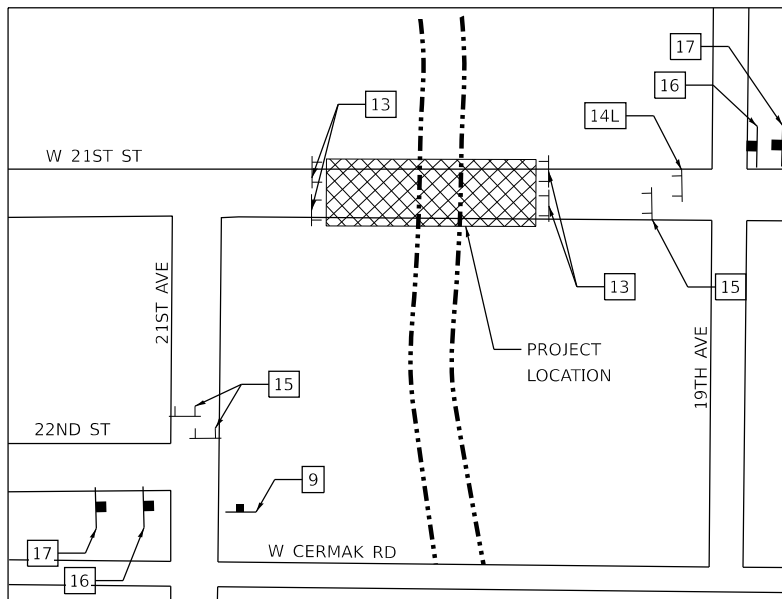
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16

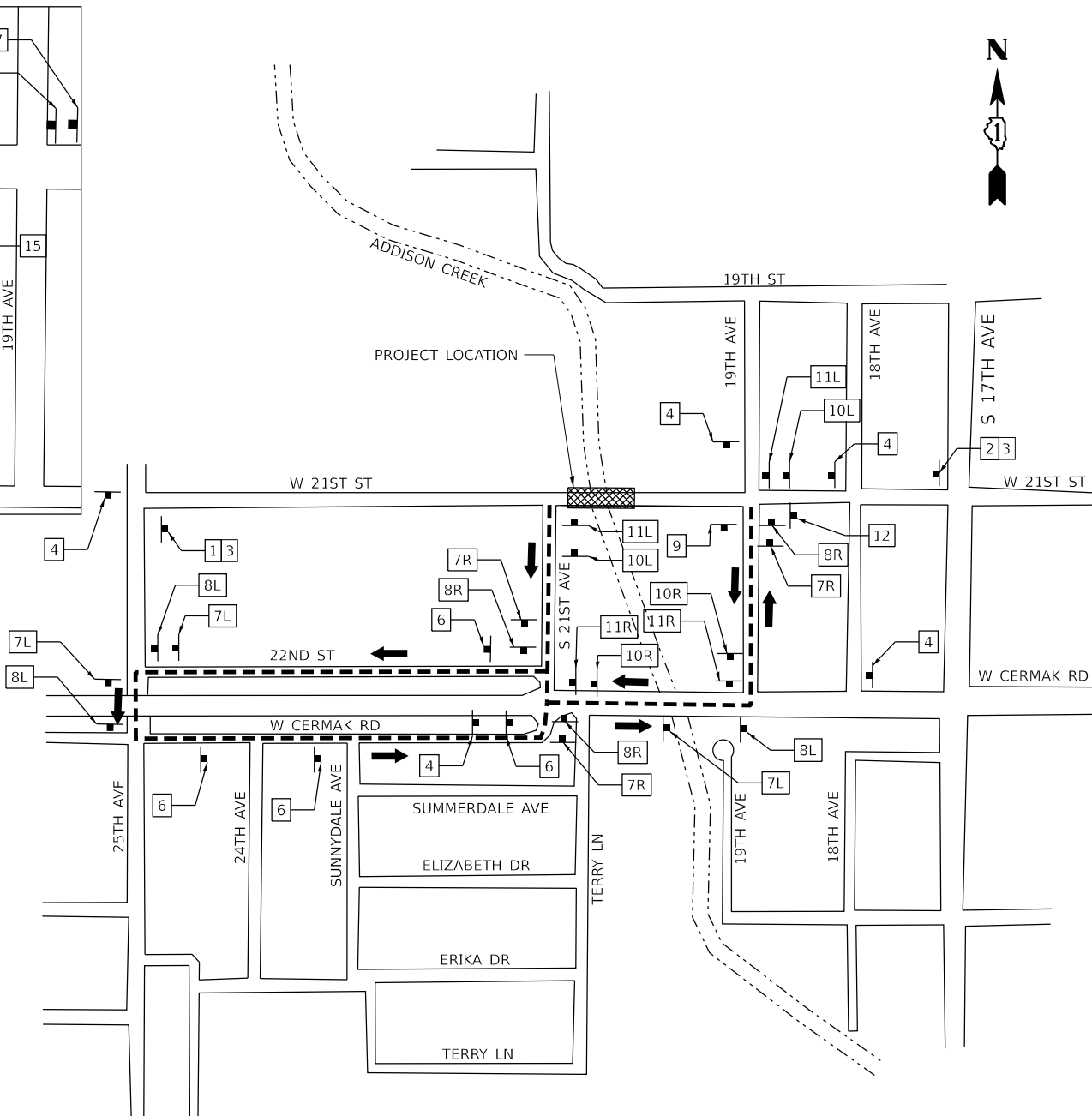


W20-3-4848

17



PROJECT LOCATION DETAIL



- PROPOSED VEHICLE DETOUR ROUTE
- DETOUR SIGN POST-MOUNTED PER ARTICLE 701.14 AND HIGHWAY STANDARD 701901

- TYPE III BARRICADE WITH FLASHERS
- PROJECT LOCATION

NOTES


- SIGN 1 AND 2 COVERING SHALL BE PLACED ONE (1) WEEK PRIOR TO CLOSURE. REMOVE SIGN 3 ONCE DETOUR BEGINS.
- THE CONTRACTOR SHALL CALL J.U.L.I.E. BEFORE INSTALLING SIGNS.
- ROAD CLOSURE SIGNAGE SHALL NOT BE INSTALLED ON ANY STREET LIGHT POLES OR SIGNAL POLES.
- ROAD CLOSURE SIGNAGE SHALL NOT BLOCK ANY EXISTING SIGNS AND CANNOT USE THE EXISTING SIGN POSTS.
- TYPE III BARRICADE PLACEMENT SHALL FOLLOW HIGHWAY STANDARD 701901.
- SIGN SPACING SHALL FOLLOW DISTRICT 1 DETAIL TC-21 UNLESS NOTED ON PLAN.
- PLAN NOT TO SCALE.
- THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.

MODEL: sMODELNAME\$
FILE NAME: pw:/ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/MOT/0021488.02-sht-Detours.dgn




8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

A




M4-9b
30"x24"

B




M4-9b
30"x24"

C





R11-I101
24"x18"





W/ DETECTABLE PEDESTRIAN
CHANNELIZING BARRICADE

The map illustrates the project location at the intersection of W 21st St and S 21st Ave. A hatched area indicates the project location. A dashed line shows the proposed pedestrian detour route, which branches off from W 21st St, crosses S 21st Ave, and then follows a path through the area bounded by W 21st St, W Cermak Rd, and S 21st Ave. Various street names are labeled, including Addison Creek, 19th St, 18th Ave, 17th Ave, W 21st St, W Cermak Rd, Summerdale Ave, Elizabeth Dr, Erika Dr, Terry Ln, 25th Ave, and 24th Ave. The map also shows the locations of the detour signs (A, B, C) and the barricades (C) along the detour route.

 PROPOSED PEDESTRIAN DETOUR ROUTE

 DETOUR SIGN POST-MOUNTED PER ARTICLE 701.14 AND HIGHWAY STANDARD 701901

 TYPE II BARRICADE WITH FLASHERS

 PROJECT LOCATION

NOTES

1. CONTRACTOR SHALL MAINTAIN ADA ACCESSIBLE ROUTES TO BUILDING ENTRANCES AT ALL TIMES. THIS SHOULD BE PAID FOR AT THE DIRECTION OF THE ENGINEER AS SIDEWALK REMOVAL AND PCC SIDEWALK, 5".

USER NAME =	DESIGNED - TBH	REVISED -
	CHECKED - EPS	REVISED -
PLOT SCALE =	DRAWN - AMS	REVISED -
PLOT DATE =	DATE - 7/28/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

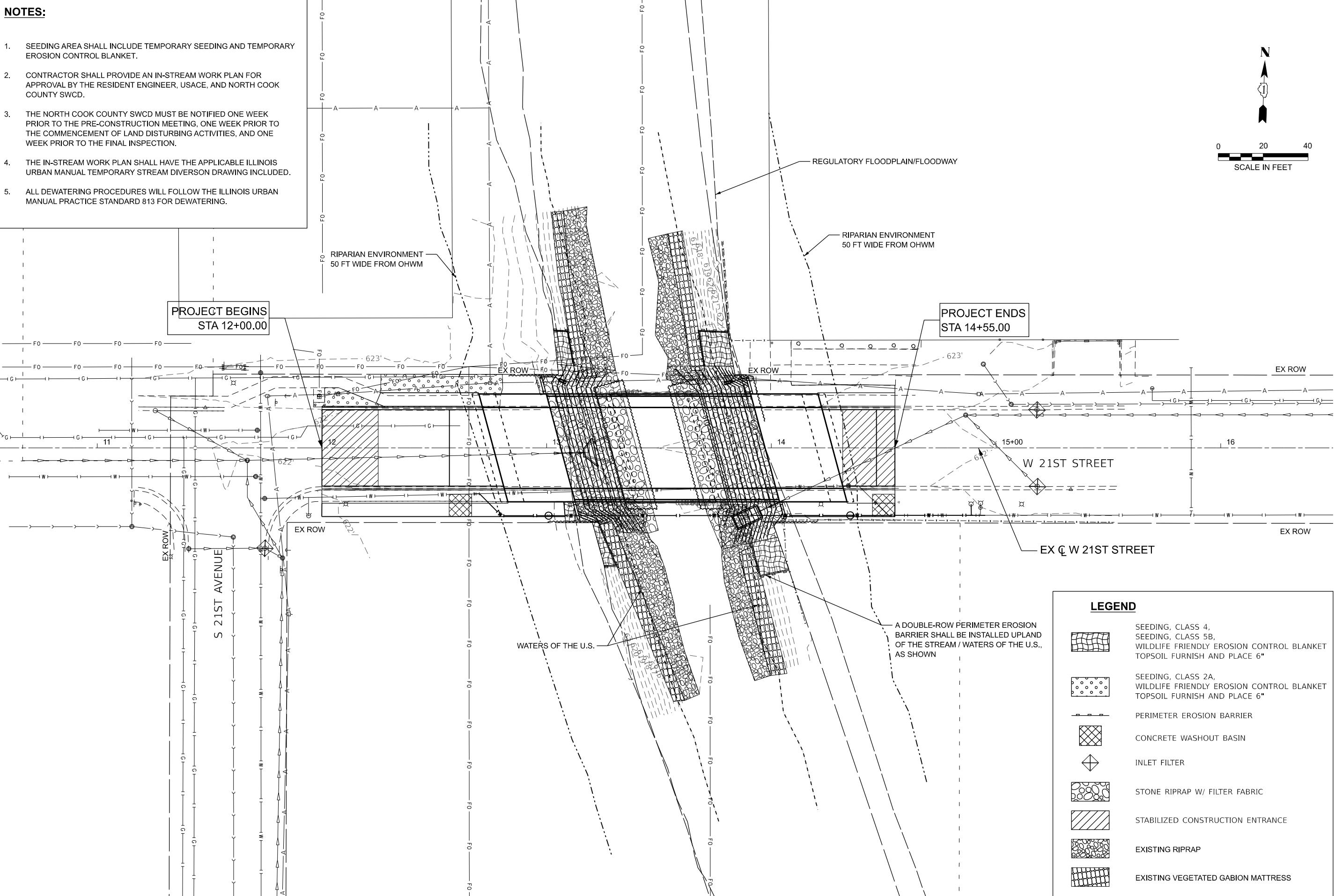
21ST STREET OVER ADDISON CREEK PEDESTRIAN DETOUR PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	16
CONTRACT NO.			61L82	
ILLINOIS		FED. AID PROJECT		

8/20/2025 7:59:05 PM

NOTES:

- SEEDING AREA SHALL INCLUDE TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET.
- CONTRACTOR SHALL PROVIDE AN IN-STREAM WORK PLAN FOR APPROVAL BY THE RESIDENT ENGINEER, USACE, AND NORTH COOK COUNTY SWCD.
- THE NORTH COOK COUNTY SWCD MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- THE IN-STREAM WORK PLAN SHALL HAVE THE APPLICABLE ILLINOIS URBAN MANUAL TEMPORARY STREAM DIVERSION DRAWING INCLUDED.
- ALL DEWATERING PROCEDURES WILL FOLLOW THE ILLINOIS URBAN MANUAL PRACTICE STANDARD 813 FOR DEWATERING.



LEGEND



SEEDING, CLASS 4,
SEEDING, CLASS 5B,
WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE 6"



SEEDING, CLASS 2A,
WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE 6"



PERIMETER EROSION BARRIER



CONCRETE WASHOUT BASIN



INLET FILTER



STONE RIPRAP W/ FILTER FABRIC



STABILIZED CONSTRUCTION ENTRANCE



EXISTING RIPRAP



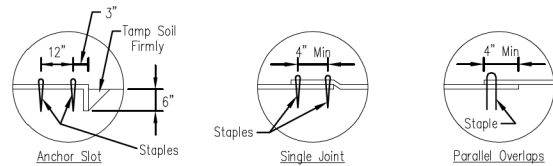
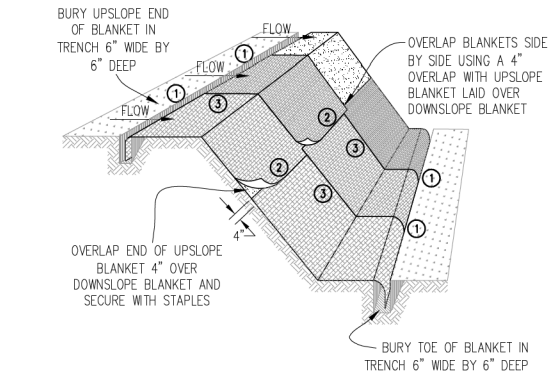
EXISTING VEGETATED GABION MATTRESS

USER NAME =	DESIGNED - JG	REVISED -
	CHECKED - TW	REVISED -
PLOT SCALE =	DRAWN - DDG	REVISED -
PLOT DATE =	DATE - 7/28/2025	REVISED -

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	17
		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

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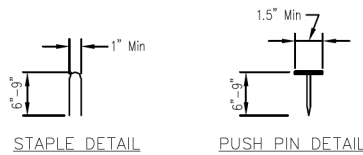
AUTOCAD2006



DETAIL 1

DETAIL 2

DETAIL 3



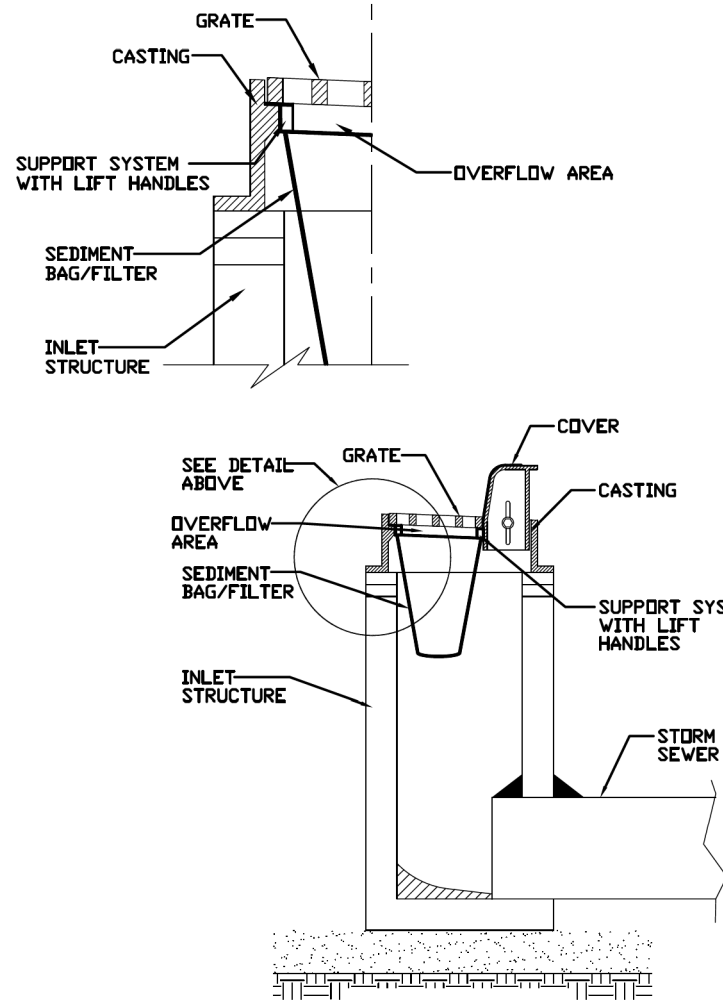
NOTES:

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 staples 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.

EROSION CONTROL
BLANKET INSTALLATION DETAILS

Designed	Date
Drawn S. JOHNSON	11/08
Checked	
Approved	

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION

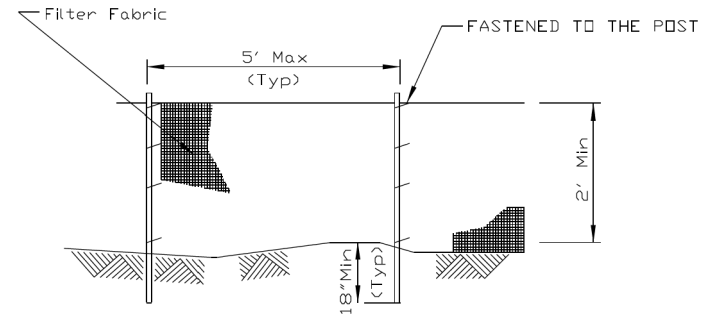


REFERENCE	Project	Date
Designed		
Checked		
Approved		

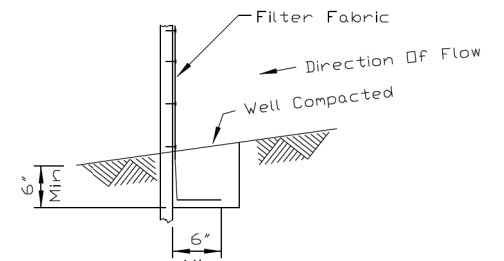


STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

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	Project	Date
Designed		
Checked		
Approved		

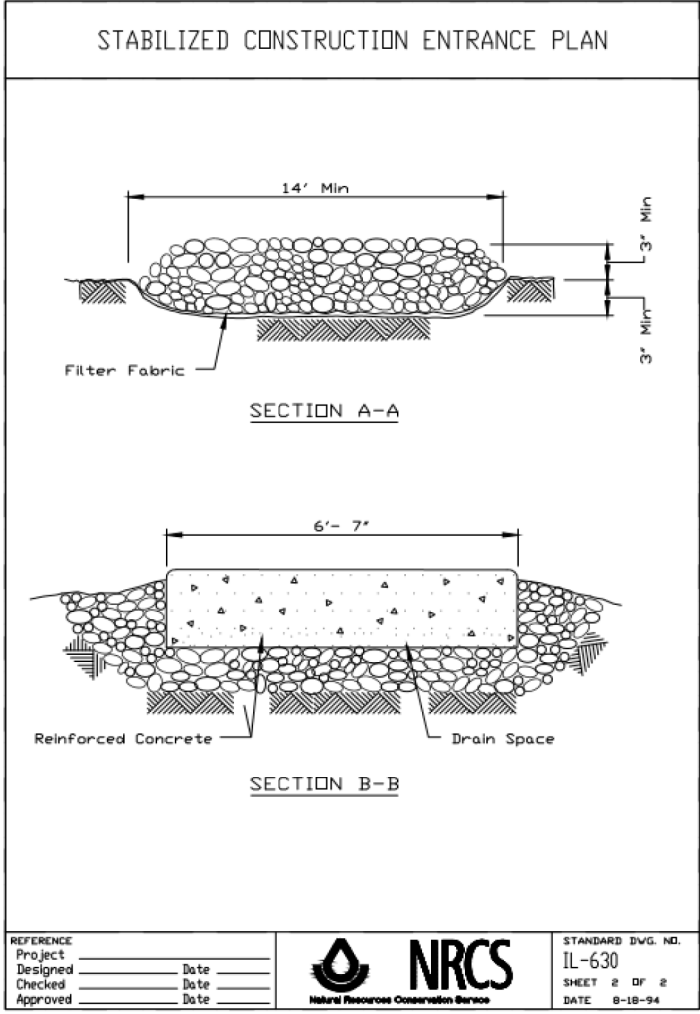
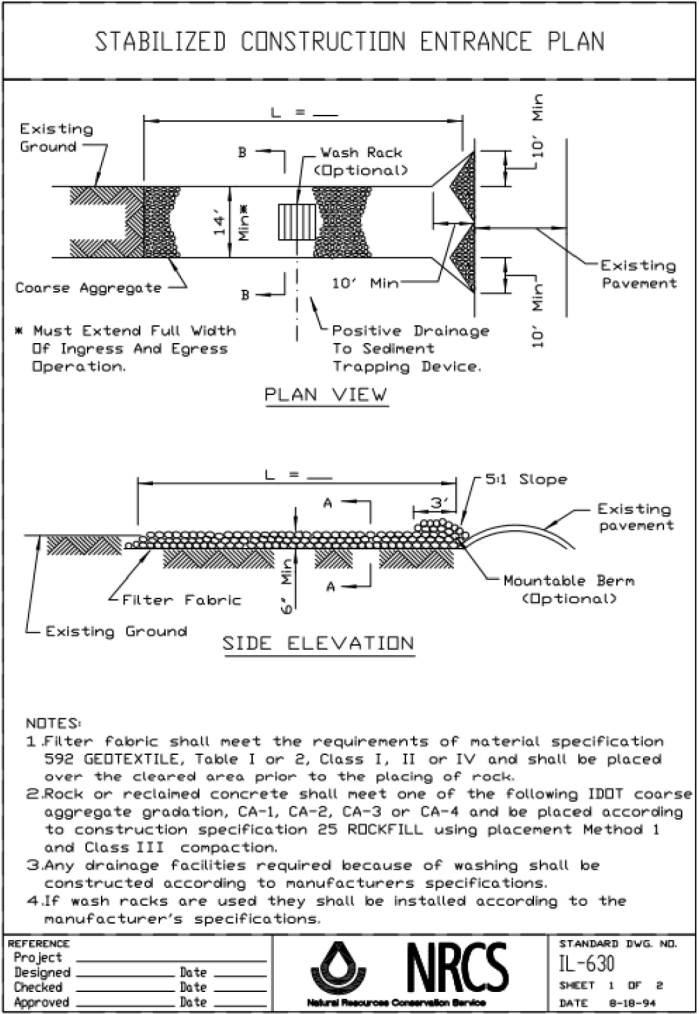
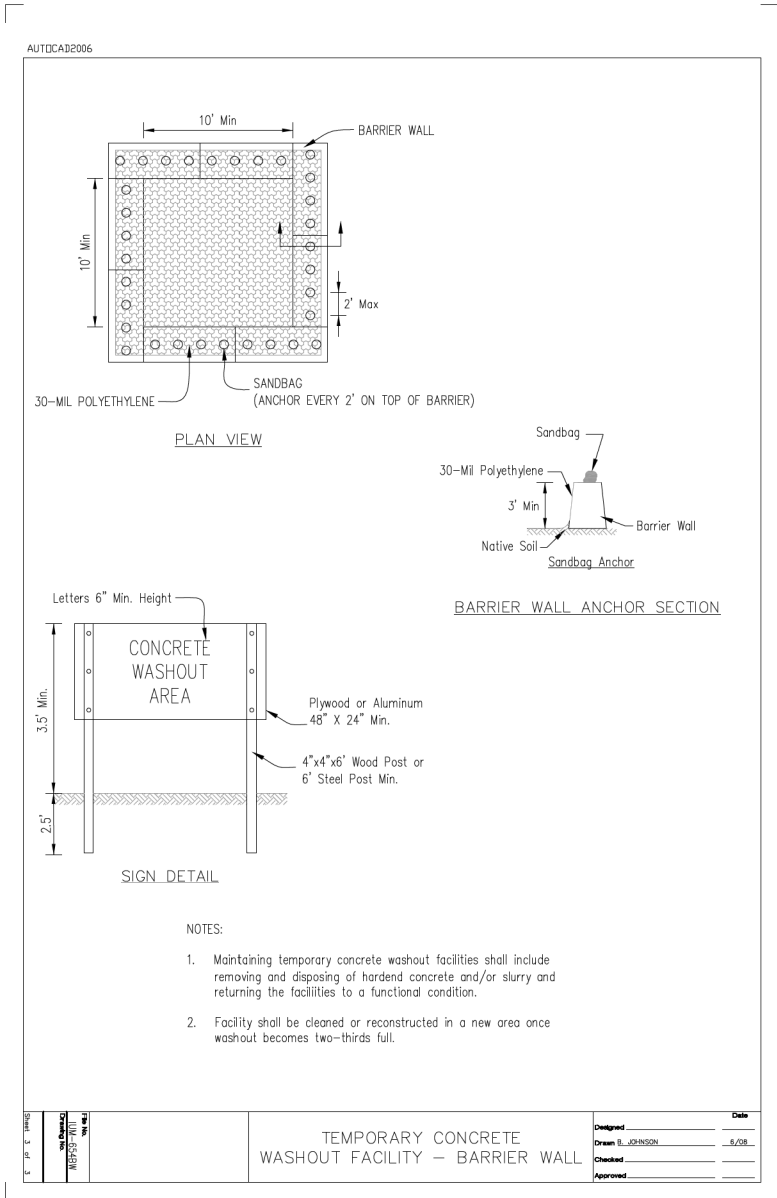


STANDARD DWG. NO.
IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

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	CHECKED - TW	REVISED -
PLOT SCALE =	DRAWN - DDG	REVISED -
PLOT DATE =	DATE - 7/28/2025	REVISED -

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	18
CONTRACT NO. 61L82				
ILLINOIS FED. AID PROJECT				

MODEL: sMODELNAME\$
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LIGHTING GENERAL NOTES

1.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
2.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER.
3.

THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS FOR ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER.
4.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
5.

NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
6.

WHEN SPLICING TO EXITING POLE, ANY AND ALL WORK REQUIRED TO RUN THE PROPOSED UNIT DUCT INTO EXISTING FOUNDATION SLEEVE AND SPLICING IN EXISTING POLE SHALL BE COVERED AND INCLUDED IN THE PAY ITEM FOR THE UNIT DUCT.
7.

THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ANY LIGHT STANDARD IS ERECTED.
8.

THE INSTALLATION OF BURIED WARNING TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER.
9.


NO UNDERGROUND SPLICING ALLOWED.
10.


ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB, OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST AND REPLACEMENT SHALL MEET THE APPROVAL OF THE ENGINEER.


SUMMARY OF QUANTITIES


DESCRIPITON	UNIT	TOTAL
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	43
CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	83
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2
UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	216
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	150
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	450
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION C	EACH	2
LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. MAST ARM	EACH	2
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	18
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
REMOVAL OF POLE FOUNDATION	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,560
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2
REMOVE AND REINSTALL VIDEO CAMERA AND EQUIPMENT	EACH	1
MAINTENANCE OF LIGHTING SYSTEM	EACH	1


LEGEND

- 

EXISTING LIGHTING UNIT TO REMAIN
- 

REMOVAL OF LIGHTING UNIT, SALVAGE AND REMOVAL OF POLE FOUNDATION
- 

LIGHTING POLE FOUNDATION, 24" DIAMETER WITH LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. MAST ARM, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION C, AND LUMINAIRE SAFETY CABLE ASSEMBLY
- 

EXISTING UNDERGROUND LIGHTING CABLES
- 

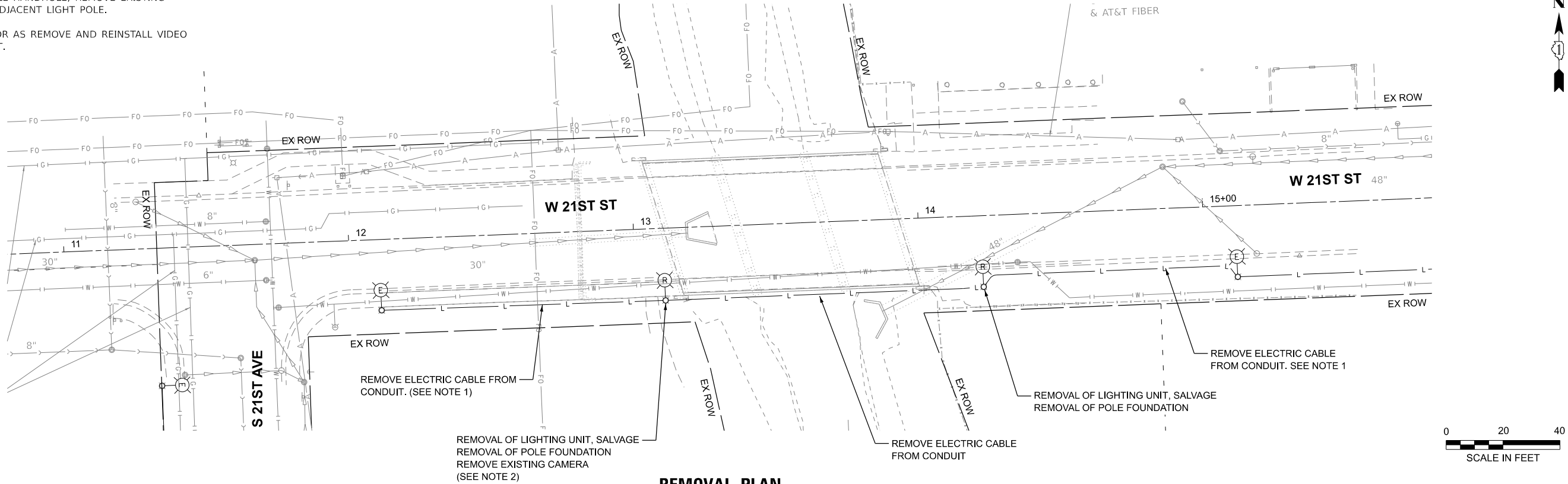
PROPOSED UNIT DUCT (AS SPECIFIED IN PLANS)

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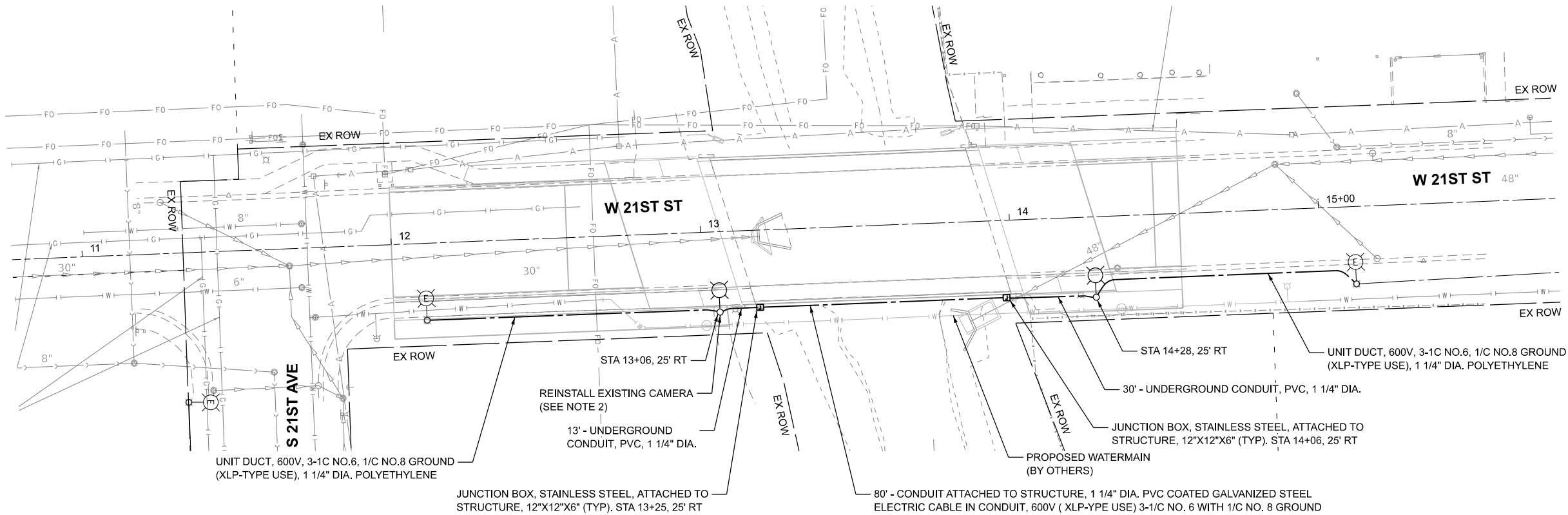
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NOTES

1. DISCONNECT IN POLE HANDHOLE, REMOVE EXISTING CONDUCTORS TO ADJACENT LIGHT POLE.
2. THIS WORK PAID FOR AS REMOVE AND REINSTALL VIDEO CAMERA EQUIPMENT.



REMOVAL PLAN



PROPOSED PLAN

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FILE NAME: pw:/ciorba-pw.bentley.com:ctiorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/Lighting/0021488.02-sht-LTG101.dgn
7/28/2025 10:14:21 AM



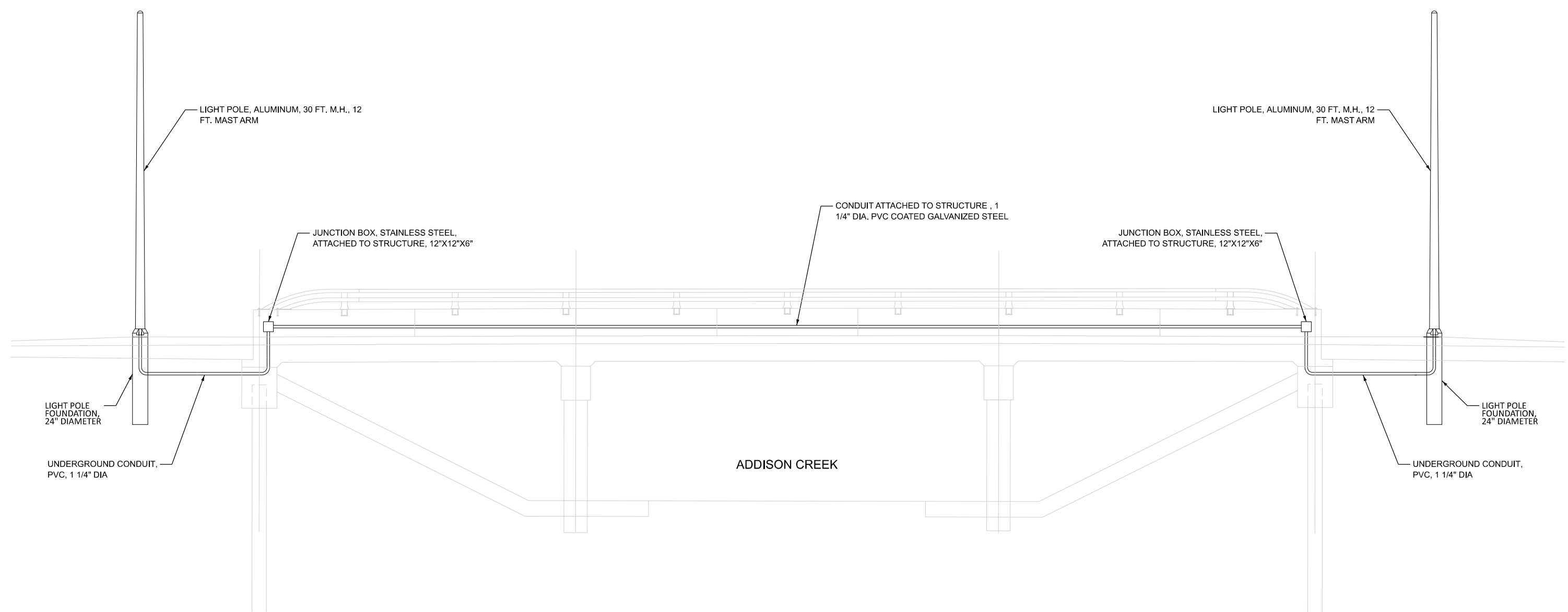
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PLOT SCALE =	DRAWN - AM	REVISED -
PLOT DATE =	DATE - 7/28/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK LIGHTING REMOVAL AND PROPOSED LIGHTING PLAN			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	21
CONTRACT NO. 61L82				
ILLINOIS		FED. AID PROJECT		

MODEL: sMODELNAME\$
FILE NAME: pwr/ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD Data/Sht/Lighting/0021488.02-sht-LTG400.dgn
7/28/2025 10:14:31 AM



CONDUIT BRIDGE CROSSING AND TRANSITION DETAIL
(SOUTH SIDE OF THE BRIDGE, LOOKING NORTH)
(NOT TO SCALE)



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USER NAME =	DESIGNED - DTJ	REVISED -
	CHECKED - JMV	REVISED -
PLOT SCALE =	DRAWN - AM	REVISED -
PLOT DATE =	DATE - 7/28/2025	REVISED -

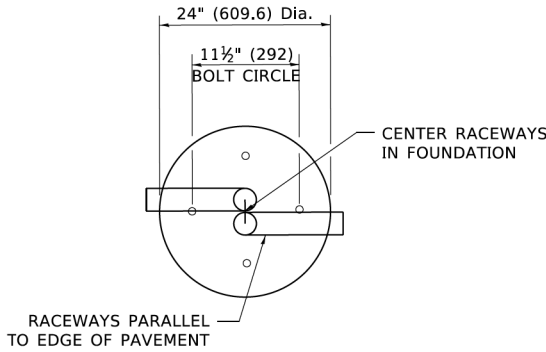
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK LIGHTING DETAILS			
SCALE: n.t.s	SHEET	OF SHEETS	STA. TO STA.

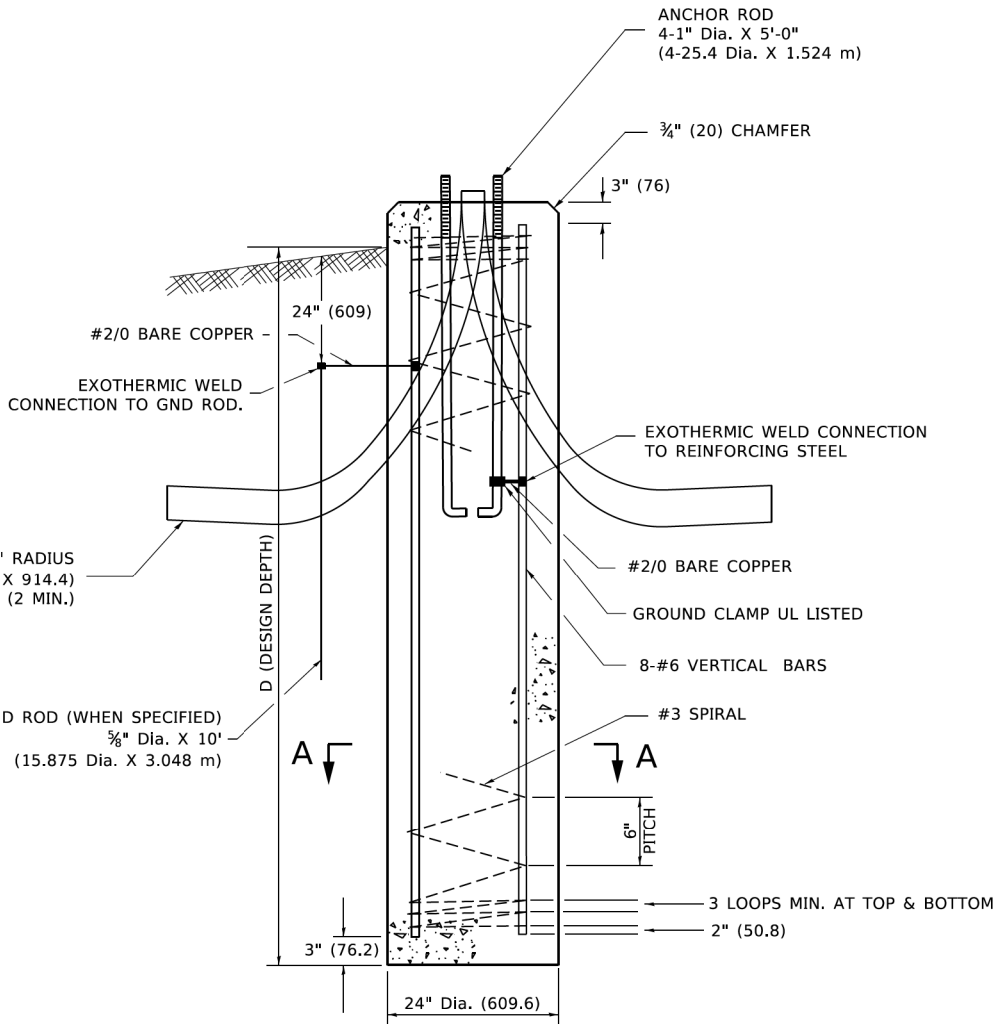
M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	22
CONTRACT NO.				61L82
		ILLINOIS	FED. AID PROJECT	

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



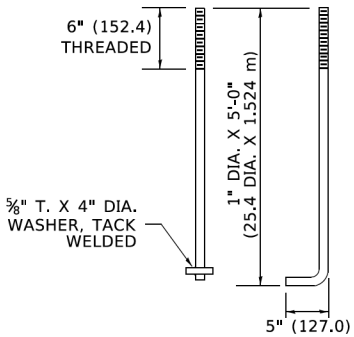
TOP VIEW



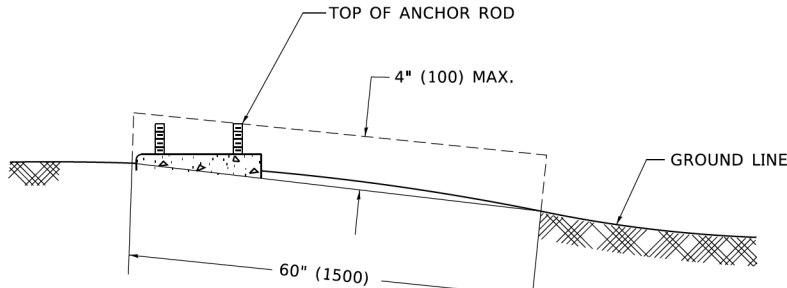
FOUNDATION DETAIL

NOTES

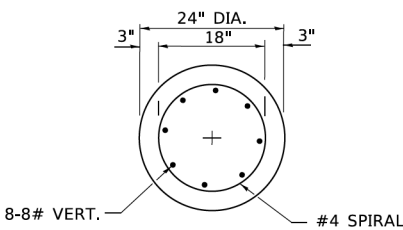
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

USER NAME = footem]	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

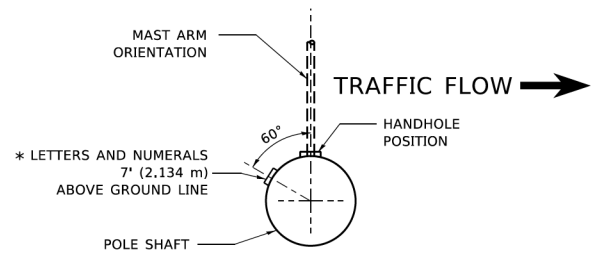
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

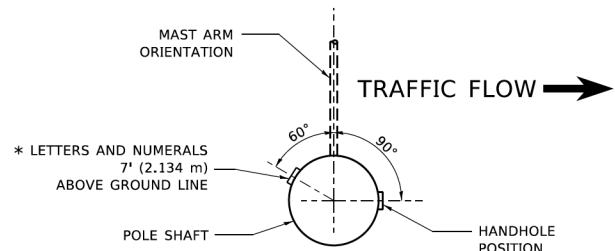
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BE-300		CONTRACT	61L82	
ILLINOIS		FED. AID PROJECT		

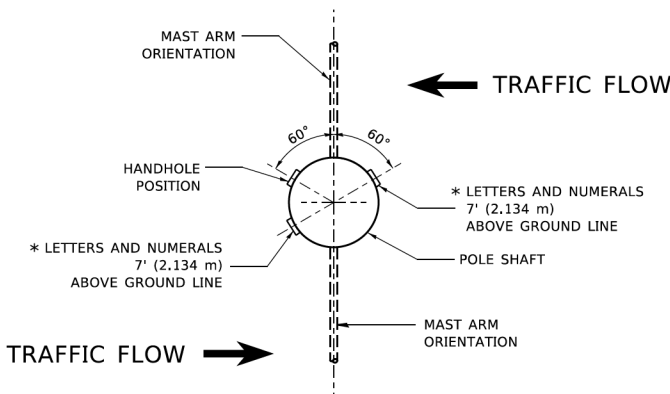
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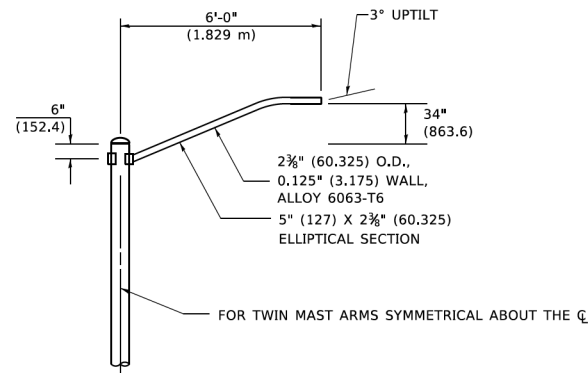
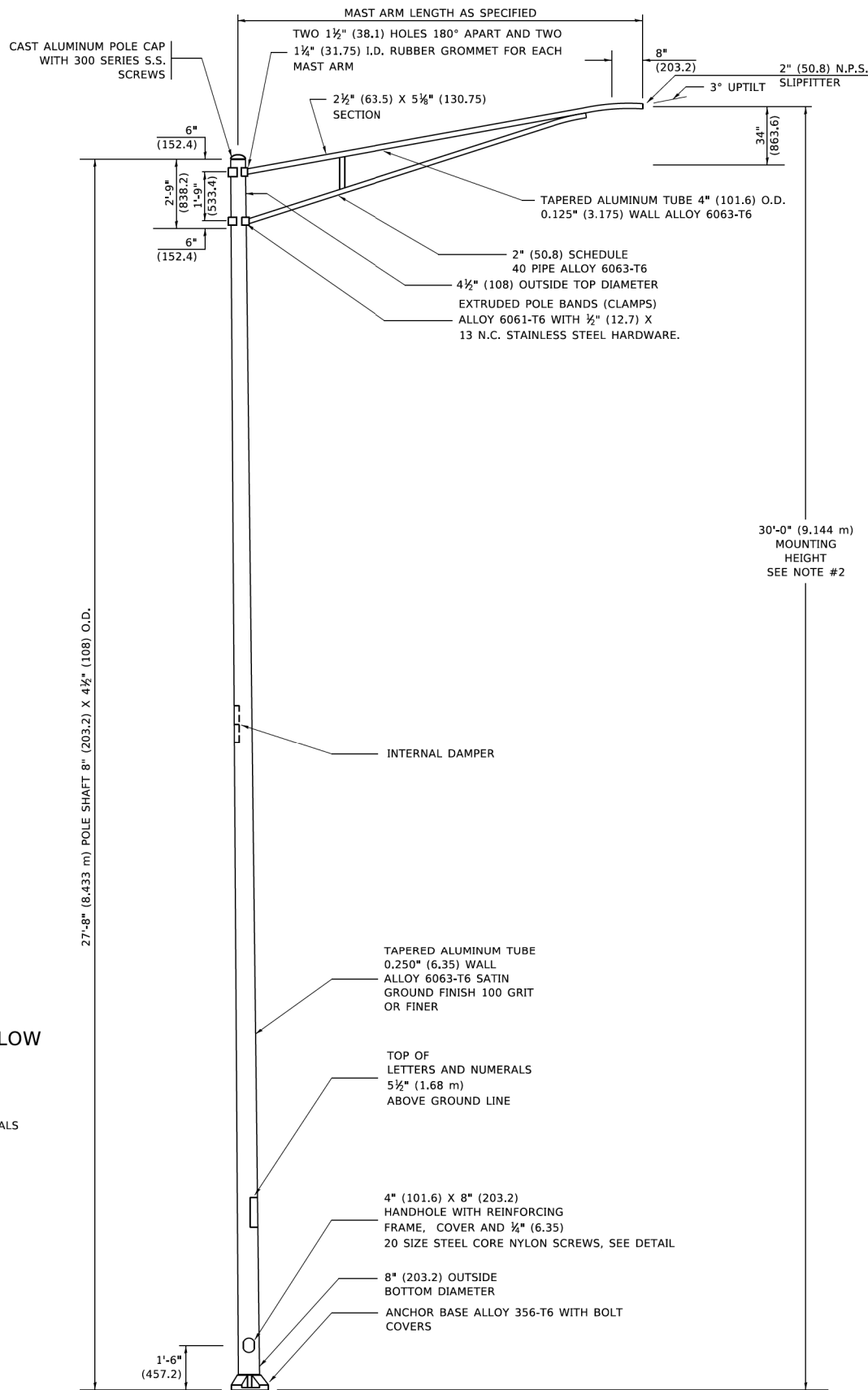
**POSITION OF HANDHOLE AND
POLE NUMBER FOR SINGLE
MAST ARM POLES MOUNTED
ON BRIDGE PARAPET OR
BARRIER WALL**



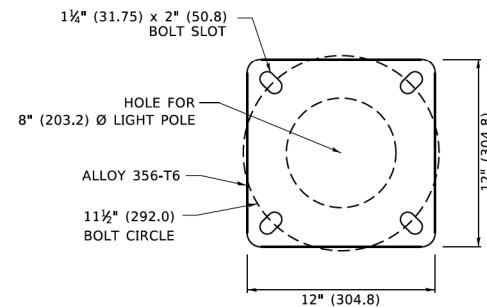
**POSITION OF HANDHOLE AND
POLE NUMBER FOR SINGLE
MAST ARM POLES**



**POSITION OF HANDHOLE AND
POLE NUMBER FOR TWIN
MAST ARM POLES**

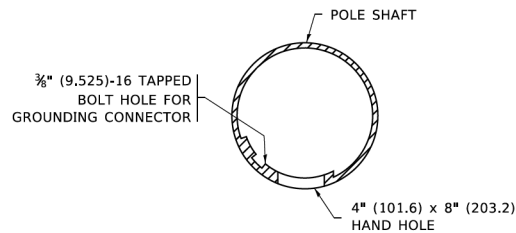


**6' (1.8 m) SINGLE MEMBER MAST ARM
(N.T.S.)**



LIGHT POLE BASE PLATE DETAIL

11 1/2" (292.0) BOLT CIRCLE



**HANDHOLE DETAIL
(N.T.S.)**

NOTES

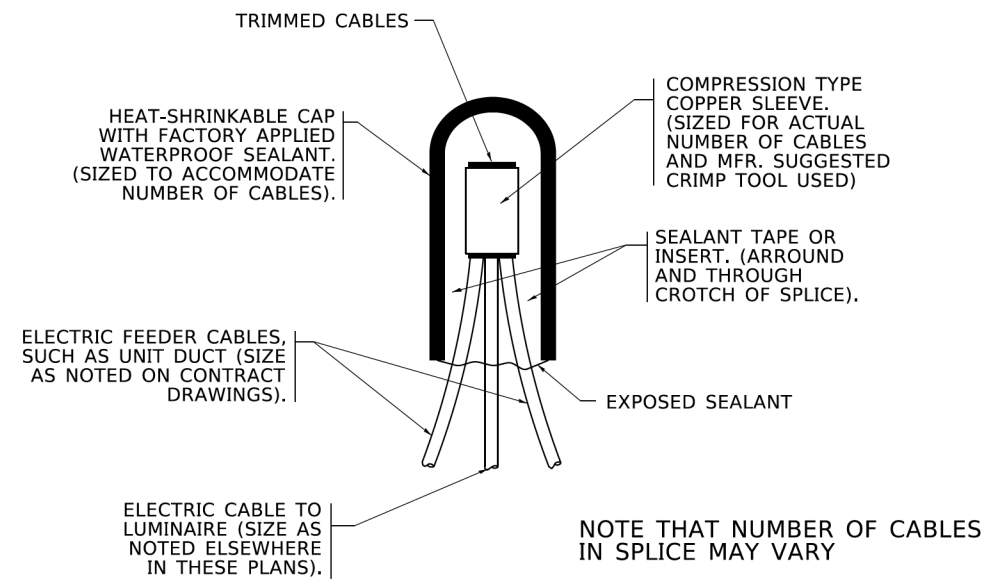
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

USER NAME = footem]	DESIGNED -	REVISED - R. TOMSONS 09-02-03
	DRAWN -	REVISED - R. TOMSONS 01-18-13
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PLOT DATE = 4/19/2019	DATE -	REVISED -

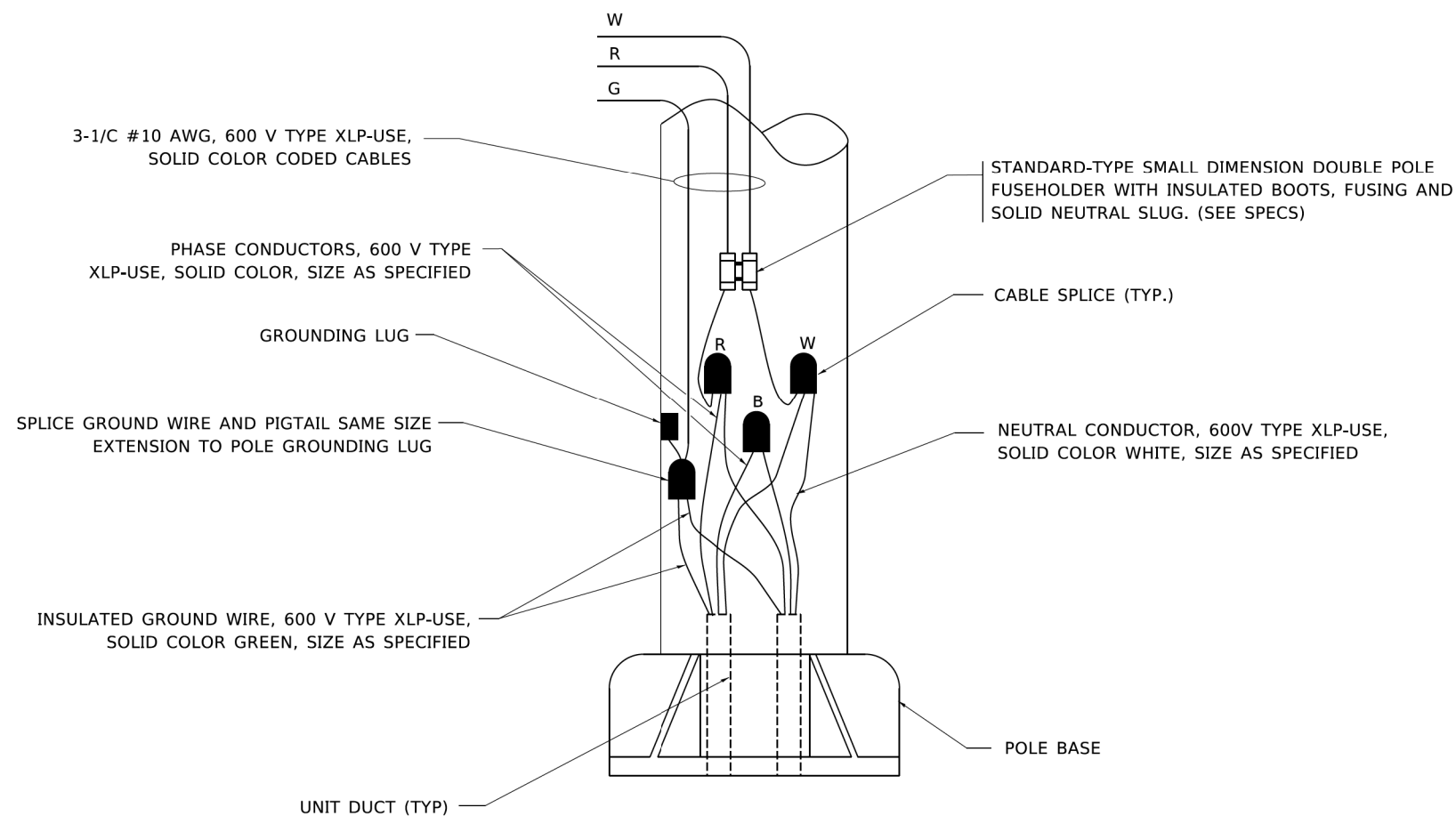
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALUMINUM LIGHT POLE 30'-0" (9.144 m) MOUNTING HEIGHT			
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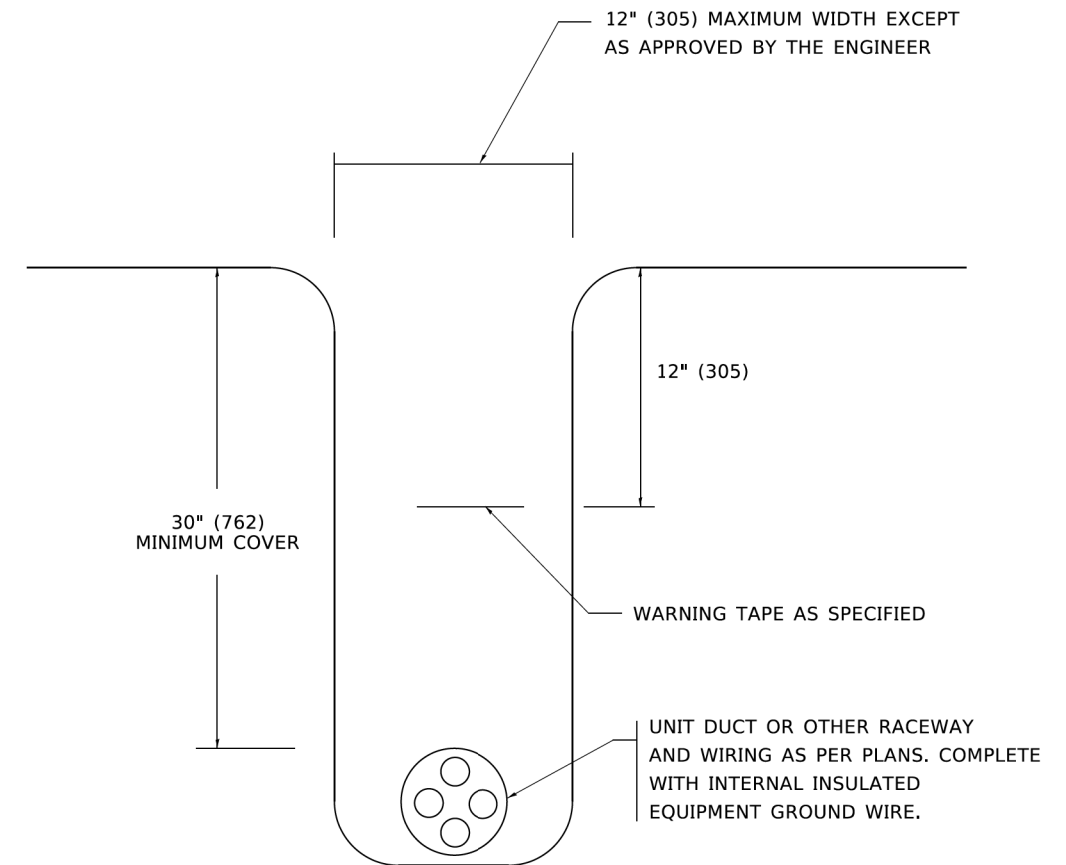
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4070	22-00086-00-BR	COOK	60	24
BE-403		CONTRACT NO. 6IL82		
ILLINOIS		FED. AID PROJECT		



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

USER NAME = leysa	DESIGNED -	REVISED - 02/04/2020
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	26
BE-702		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

Benchmark: CP #1 - Chisled "X" on top of south side of 21st St. Approx. 200' east of bridge, Elev. 621.711 CP #2 - Chisled "X" on top of curb north side of 21st St. at the entrance of #2001, Elev. 621.958

Existing: S.N. 016-6650 originally constructed in 1974 is a three-span precast prestressed concrete deck beam bridge. Back-to-Back abutment length is 82'-0" and out-to-out width of deck is 47'-10". The bridge is to be fully replaced with slab bridge with out-to-out deck of 48'-0" supported on integral abutments with back-to-back abutment length of 93'-0".

Structure closed to traffic during construction.

No Salvage.

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

DESIGN STRESSES
 $f_c = 4,000$ psi (Superstructure)
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

LOADING HL 93
Allow 50 #/ sq. ft. for future wearing surface.

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.071g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.113g
Soil Site Class = C

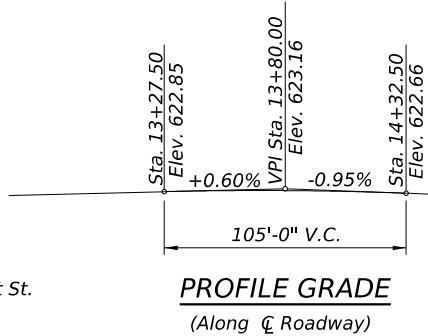
NOTE:
1. For Sections A-A and B-B, see Sheet S-02.



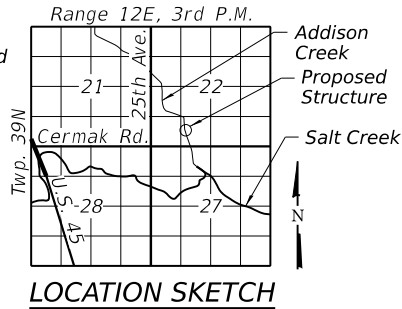
DATE: 7/23/2025
SEAL EXPIRES: 11/30/2026

Joe Kauzlarich

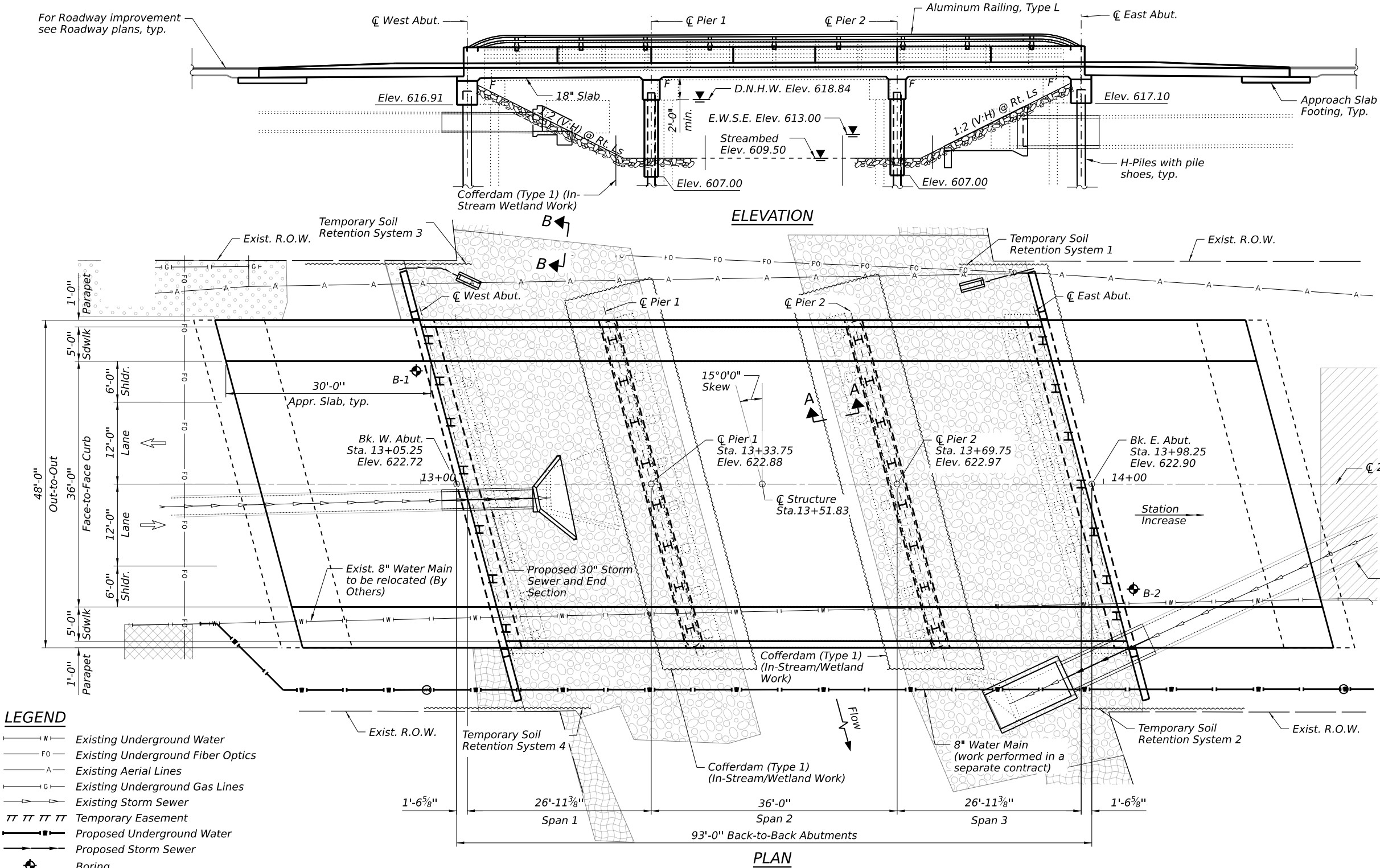
I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of "2020 AASHTO LRFD Bridge Design Specifications, 9th Edition"



PROFILE GRADE
(Along \varnothing Roadway)



GENERAL PLAN & ELEVATION
21ST STREET OVER ADDISON CREEK
MS 4070 SEC. 22-00086-00-BR
COOK COUNTY
STATION 13+51.83
STRUCTURE NO. 016-6651



- LEGEND**
- W — Existing Underground Water
 - FO — Existing Underground Fiber Optics
 - A — Existing Aerial Lines
 - G — Existing Underground Gas Lines
 - S — Existing Storm Sewer
 - TT TT TT TT Temporary Easement
 - P — Proposed Underground Water
 - S — Proposed Storm Sewer
 - ⊕ Boring



USER NAME =	DESIGNED - SIK	REVISED -
PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - EMK	REVISED -
	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 016-6651

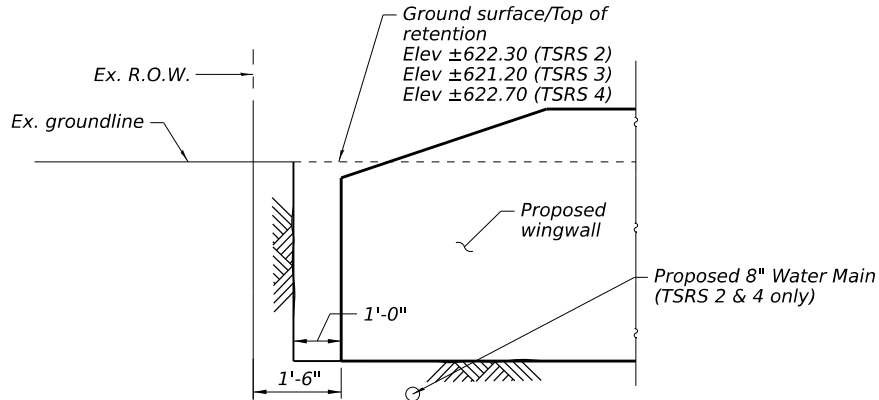
SHEET S-01 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO.	61L82
			ILLINOIS FED. AID PROJECT	

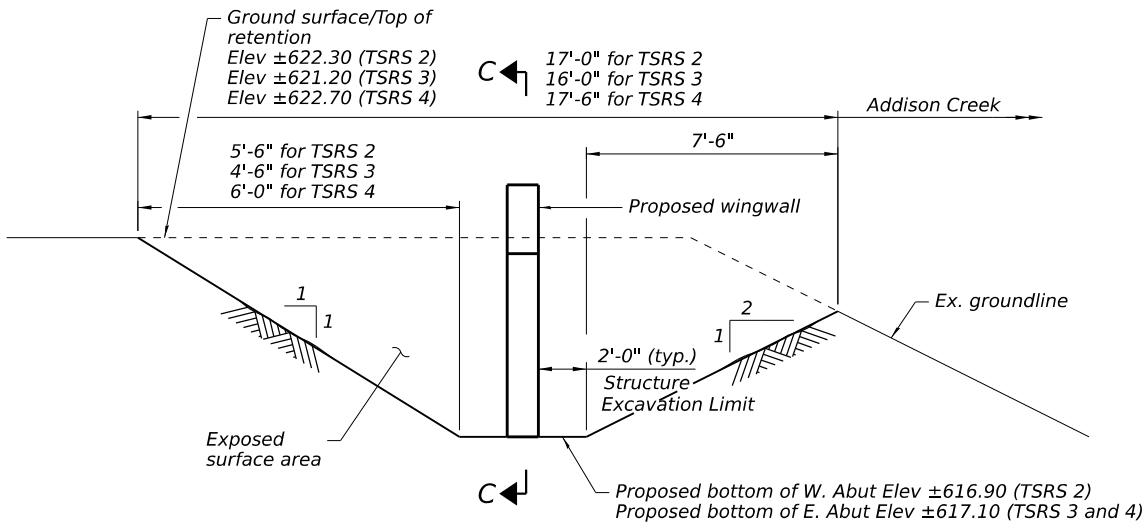
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GENERAL NOTES

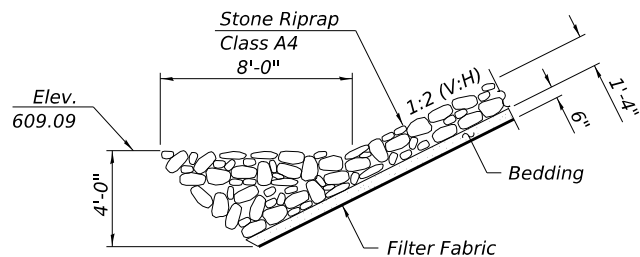
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Reinforcement bars shall conform to the requirements ASTM A 706 Gr. 60.
3. The Contractor shall make allowance for the deflection of forms, shrinkage, and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
4. Protective Coat shall be applied to the top surface of the concrete deck, and the front and top of the sidewalks.
5. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
6. 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 S-26 to S-28. Note that the record plans are incomplete and contain only what the village has on file for this structure.



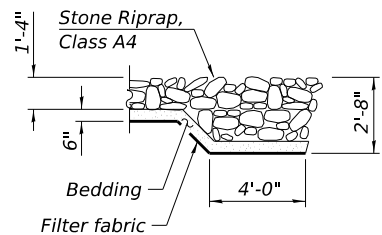
TEMPORARY SOIL RETENTION SYSTEMS 2, 3, & 4 - SECTION C-C



TEMPORARY SOIL RETENTION SYSTEMS 2, 3, & 4



SECTION A-A



SECTION B-B

INDEX OF SHEETS

- S-01 General Plan & Elevation
- S-02 General Notes, Index of Sheets, & Total Bill of Material
- S-03 Foundation Layout
- S-04 Removal Plan
- S-05 Top of Slab Elevations
- S-06 Top of West Approach Slab Elevations
- S-07 Top of East Approach Slab Elevations
- S-08 Superstructure Plan & Cross Section
- S-09 Sidewalk Plan & Parapet Elevation
- S-10 Superstructure Details
- S-11 West Approach Slab Plan & Cross Section
- S-12 East Approach Slab Plan & Cross Section
- S-13 Approach Slab Details
- S-14 Aluminum Railing, Type L
- S-15 Chain Link Fence, 4' Attached to Structure
- S-16 West Abutment
- S-17 West Abutment Details and BOM
- S-18 East Abutment
- S-19 East Abutment Details and BOM
- S-20 Piers 1 & 2
- S-21 Piers 1 & 2 Details and BOM
- S-22 HP Pile Details
- S-23 Boring Logs 1
- S-24 Boring Logs 2
- S-25 Boring Logs 3
- S-26 Existing Structure Plans 1
- S-27 Existing Structure Plans 2
- S-28 Existing Structure Plans 3

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Stone Riprap, Class A4	Sq Yd		557		557
Filter Fabric	Sq Yd		557		557
Removal Of Existing Structures	Each		1		1
Structure Excavation	Cu Yd		185		185
Cofferdam Excavation	Cu Yd		142		142
Concrete Structures	Cu Yd		182.7		182.7
Concrete Superstructure	Cu Yd			301.3	301.3
Bridge Deck Grooving	Sq Yd			572	572
Protective Coat	Sq Yd			851	851
Concrete Superstructure (Approach Slab)	Cu Yd			145.1	145.1
Reinforcement Bars, Epoxy Coated	Pound		18,920	150,890	169,810
Aluminum Railing, Type L	Foot			182	182
Furnishing Steel Piles Hp12X63	Foot		1,288		1,288
Driving Piles	Foot		1,250		1,250
Test Pile Steel Hp12X63	Each		4		4
Pile Shoes	Each		30		30
Name Plates	Each			1	1
Temporary Soil Retention System	Sq Ft		460		460
Granular Backfill For Structures	Cu Yd		90		90
Geocomposite Wall Drain	Sq Yd		54		54
Pipe Underdrains For Structures 4"	Foot		138		138
Cofferdam (Type 1) (In-Stream/Wetland Work)	Each	*	2		2
Chain Link Fence, 4' Attached To Structure	Foot	*	6		6

* Special Provision

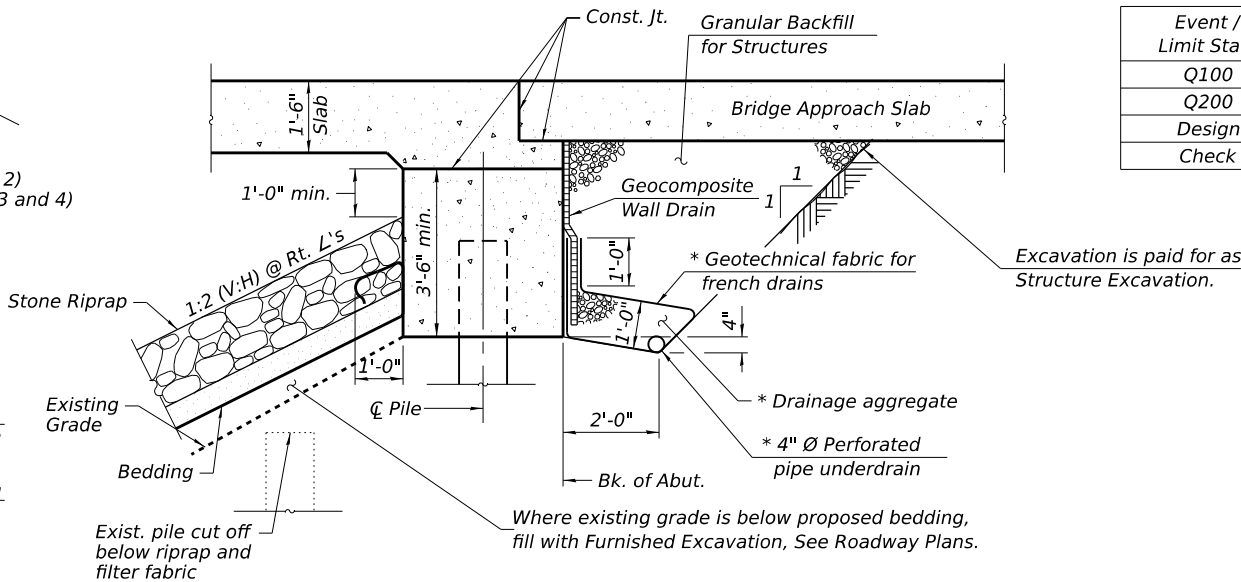
WATERWAY INFORMATION TABLE

Drainage Area = 21.7 sq. mi.				Exist. Overtopping Elev. = 622.56 at Sta. 13+00 Prop. Overtopping Elev. = 622.65 at Sta. 13+00					
Flood Event	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
10-YR	10	1,727	413	466	618.0	0.3	0.3	618.3	618.3
Design	30	2,105	466	526	618.8	0.3	0.3	619.1	619.1
Base	100	2,530	520	586	619.6	0.3	0.3	619.9	619.9
Scour Check	200	2,775	550	620	620.0	0.3	0.3	620.3	620.3
Max. Calc.	500	3,070	604	655	620.5	0.8	0.3	621.3	620.8

10-Yr velocity through existing structure = 4.2 ft/s
10-Yr velocity through proposed structure = 3.7 ft/s
2-Yr Flow Rate = 1,127 cfs

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)			Item 113
	W. Abut.	Pier 1	E. Abut.	
Q100	616.91	605.49	617.10	8
Q200	616.91	605.47	617.10	
Design	616.91	605.49	617.10	
Check	616.91	605.47	617.10	



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. at Rt. L's)

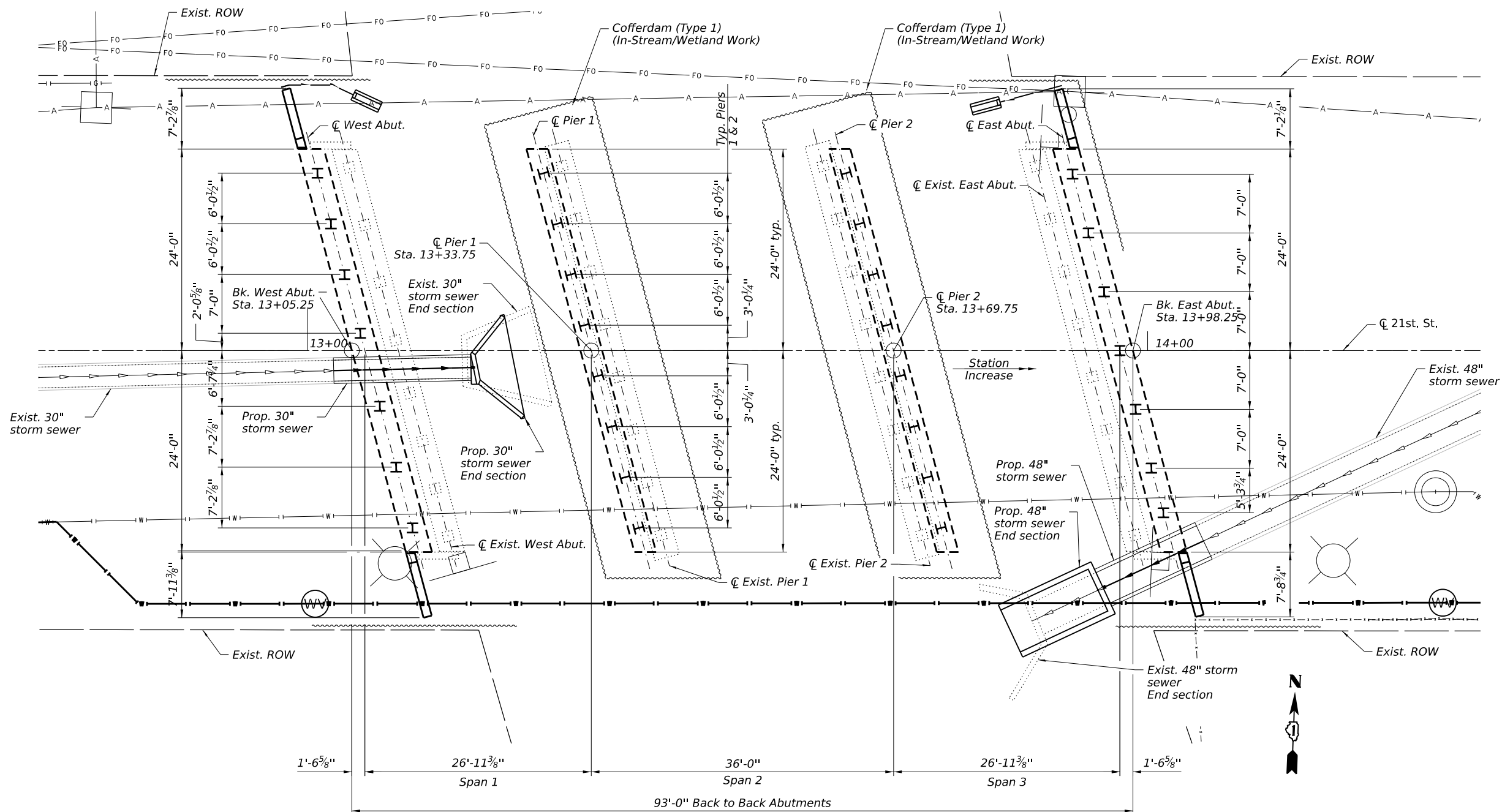
* Included in the cost of Pipe Underdrains for Structures.

ADDISON CREEK
BUILT 2026 BY
VILLAGE OF BROADVIEW
SEC. 22-00086-00-BR
M.U.N. RTE. 4070 STA 13+51.83
LOADING HL-93
STRUCTURE NO. 016-6651

NAME PLATE

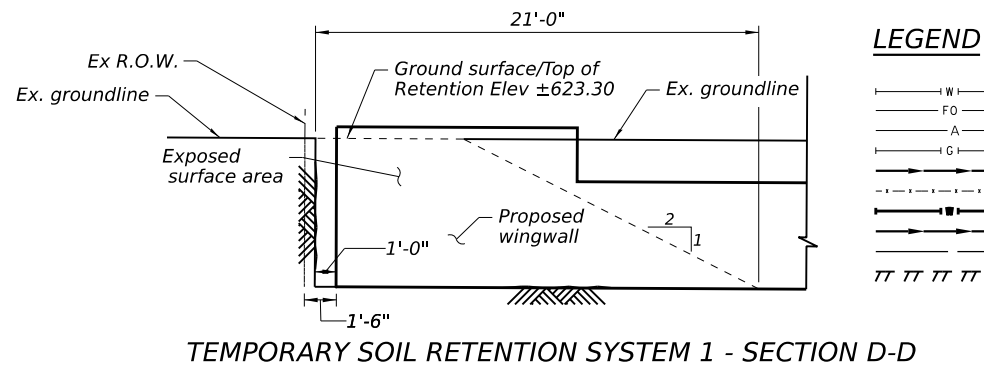
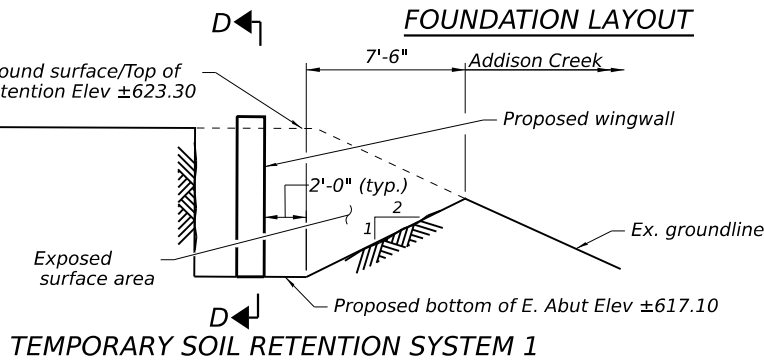
See Std. 515001

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7/23/2025 1:25:02 PM



NOTES:

1. For Removal of Existing Structure, see Sheet S-04.
2. The maximum allowable excavation slope is 1:2 (V:H) unless noted otherwise.
3. The Contractor shall field verify locations of existing underground utilities. The Contractor shall take precautions to protect existing utilities during construction of the bridge. Any damage to the existing utilities shall be responsibility of the Contractor. The existing utilities in conflict with the bridge construction shall be abandoned or relocated according to directions given on Roadway plans.



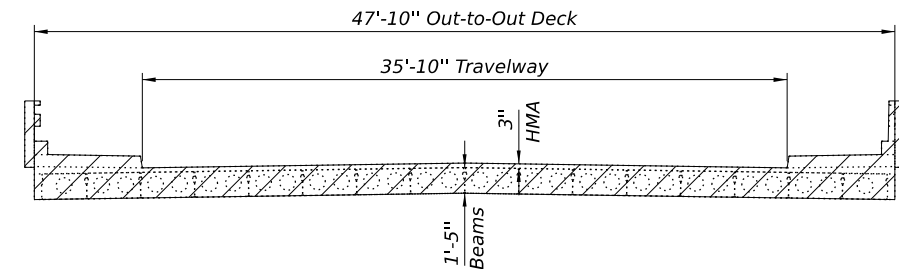
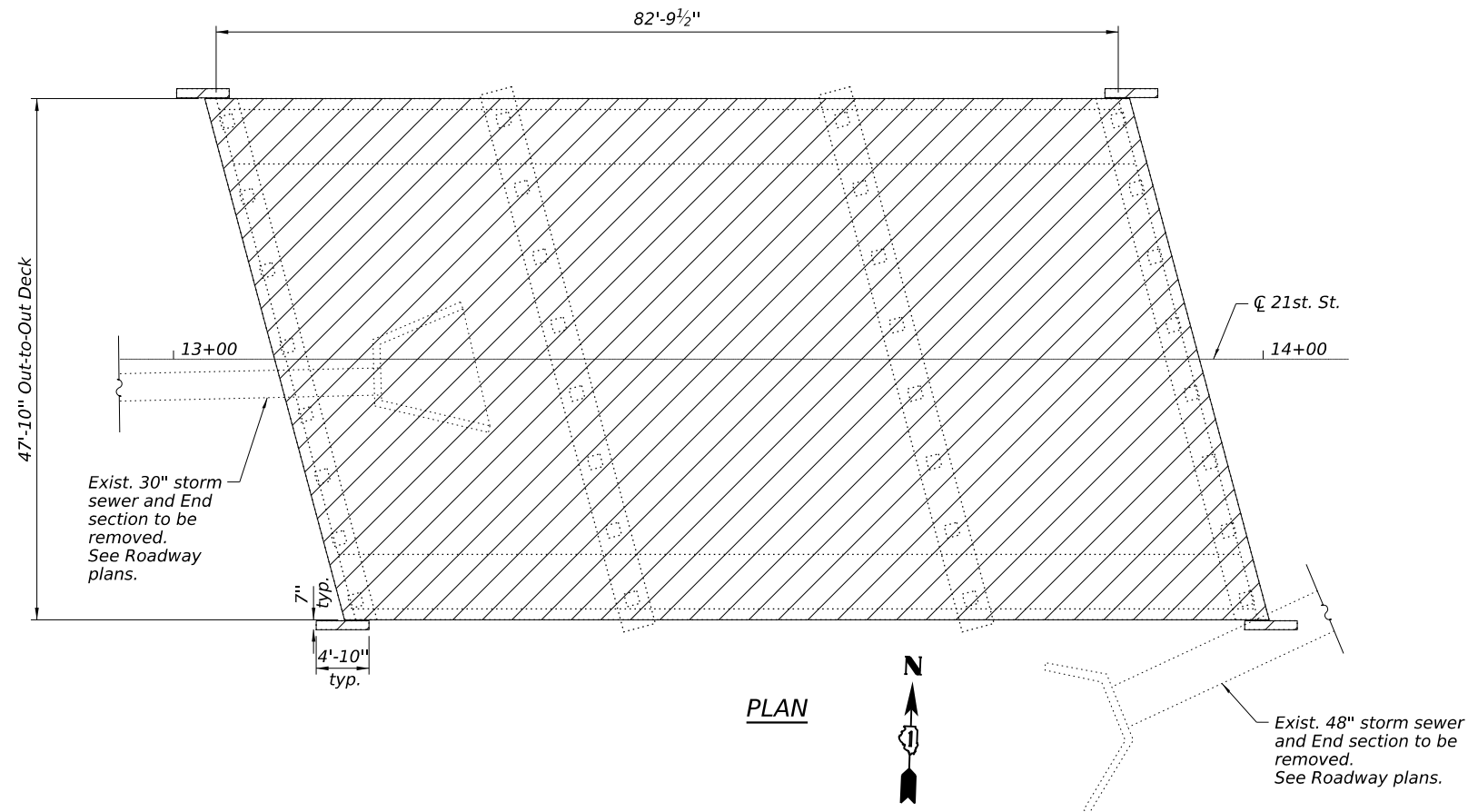
LEGEND

- Existing Underground Water
- Existing Fiber Optic
- Existing Aerial Lines
- Existing Underground Gas Lines
- Existing Storm Sewer
- Existing Fence
- Proposed Underground Water
- Proposed Storm Sewer
- Proposed ROW
- Proposed Easement

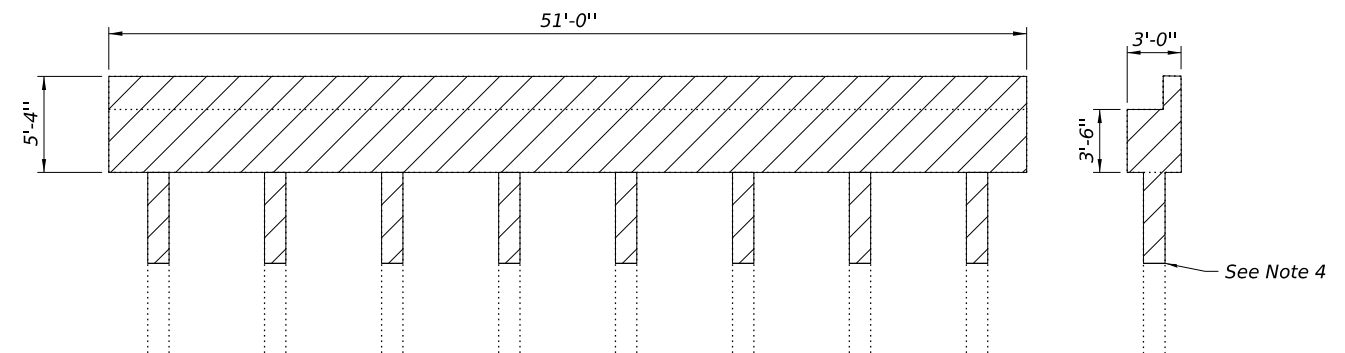
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NOTES:

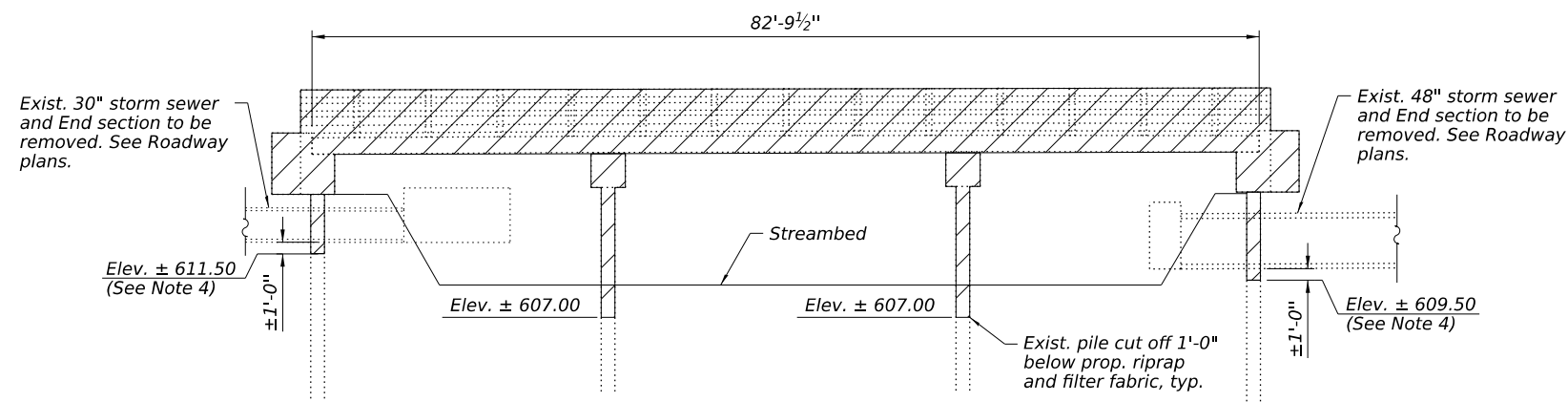
- Existing beam dimensions are taken from the available record plans. Other dimensions are estimated and included for information only.
- Removal of existing railing is included with Removal of Existing Structures.
- The Contractor is advised that the existing PPC deck beam condition is deteriorated and the existing bridge is currently load posted for 5 tons.
- Elevation shown is for removal of piles adjacent to existing storm sewers. For all other piles, see Section Thru Integral Abutment on Sheet S-02.



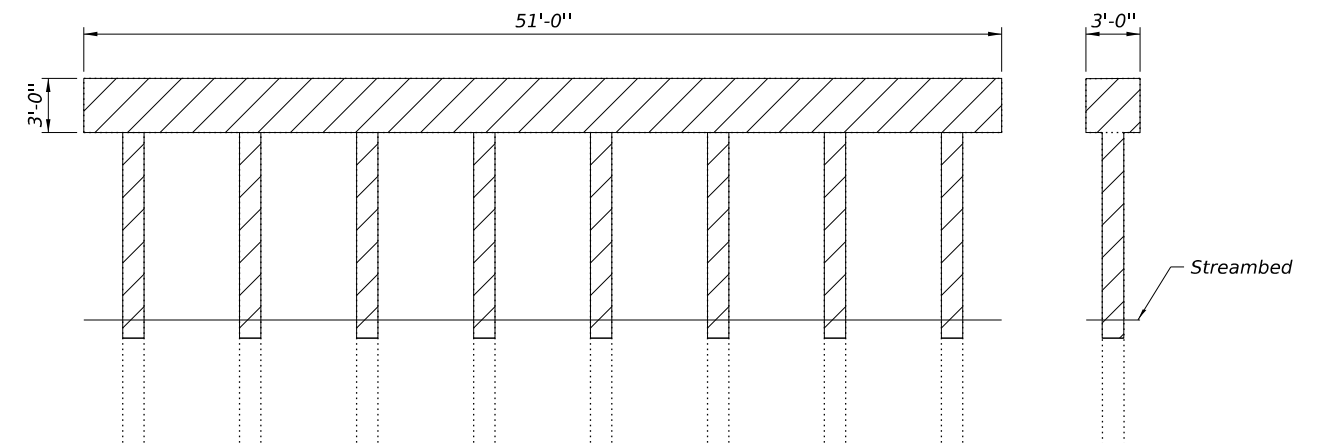
EXISTING DECK CROSS SECTION



TYPICAL ABUTMENT ELEVATION



EXISTING ELEVATION

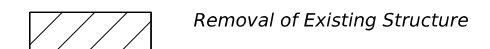


TYPICAL PIER ELEVATION

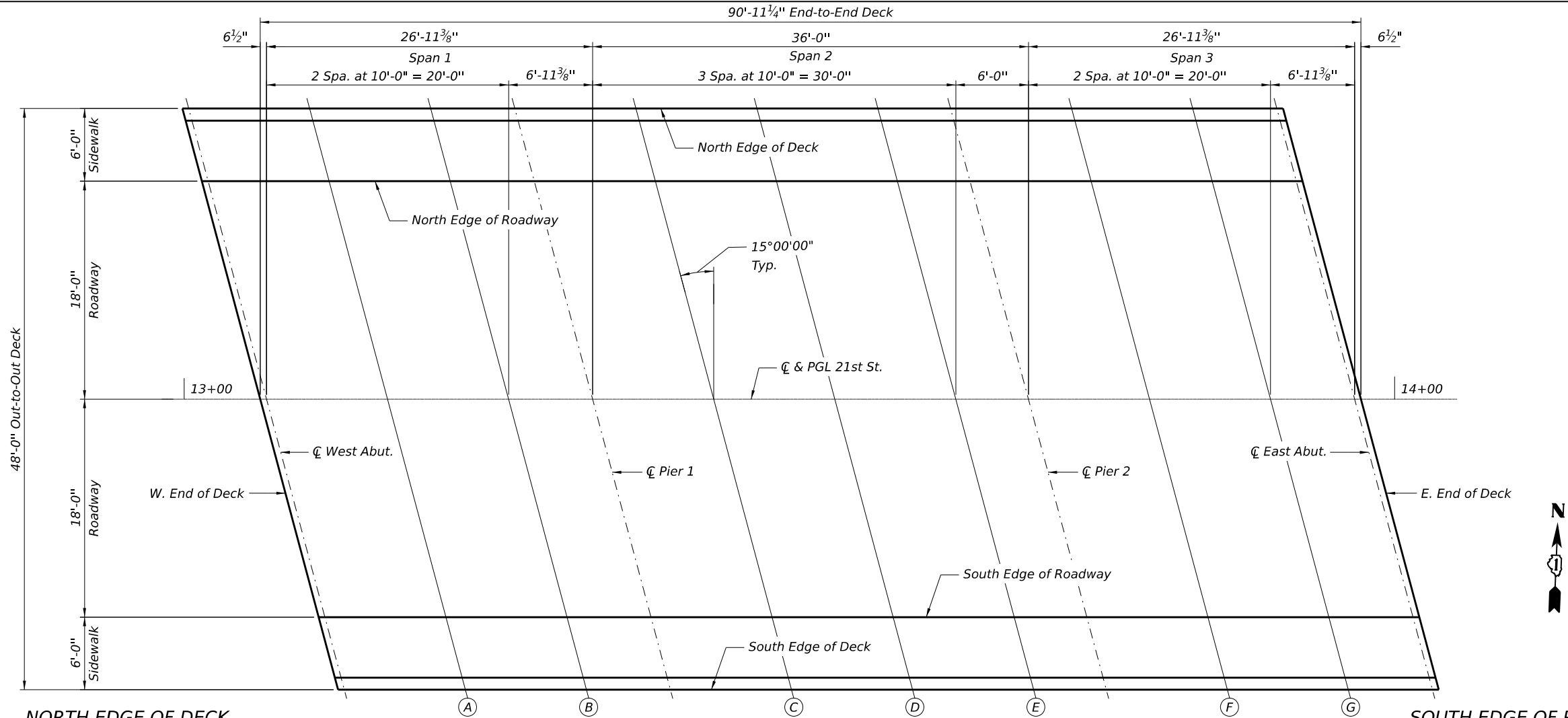
BILL OF MATERIAL

Item	Unit	Quantity
Removal of Existing Structure	Each	1

LEGEND



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NORTH EDGE OF DECK

PLAN

SOUTH EDGE OF ROADWAY

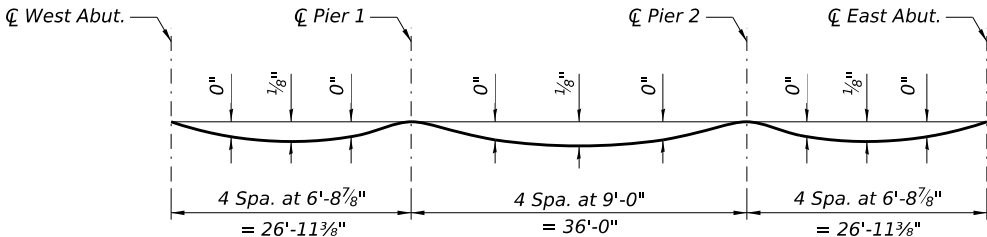
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West End of Deck	12+99.86	-24.00	622.50	622.50
C.L. West Abutment	13+00.37	-24.00	622.51	622.51
A	13+10.37	-24.00	622.57	622.57
B	13+20.37	-24.00	622.63	622.63
C.L. Pier 1	13+27.32	-24.00	622.67	622.67
C	13+37.32	-24.00	622.72	622.73
D	13+47.32	-24.00	622.76	622.77
E	13+57.32	-24.00	622.78	622.79
C.L. Pier 2	13+63.32	-24.00	622.79	622.79
F	13+73.32	-24.00	622.79	622.79
G	13+73.32	-24.00	622.79	622.80
C.L. East Abutment	13+90.27	-24.00	622.75	622.75
East End of Deck	13+90.79	-24.00	622.75	622.75

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West End of Deck	13+01.46	-18.00	622.42	622.42
C.L. West Abutment	13+01.98	-18.00	622.43	622.43
A	13+11.98	-18.00	622.49	622.49
B	13+21.98	-18.00	622.55	622.55
C.L. Pier 1	13+28.93	-18.00	622.59	622.59
C	13+38.93	-18.00	622.64	622.64
D	13+48.93	-18.00	622.67	622.68
E	13+58.93	-18.00	622.70	622.70
C.L. Pier 2	13+64.93	-18.00	622.70	622.70
F	13+74.93	-18.00	622.70	622.70
G	13+84.93	-18.00	622.67	622.68
C.L. East Abutment	13+91.88	-18.00	622.65	622.66
East End of Deck	13+92.39	-18.00	622.65	622.65

CL 21ST STREET/PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West End of Deck	13+06.29	0.00	622.72	622.72
C.L. West Abutment	13+06.80	0.00	622.73	622.73
A	13+16.80	0.00	622.79	622.79
B	13+26.80	0.00	622.85	622.85
C.L. Pier 1	13+33.75	0.00	622.88	622.88
C	13+43.75	0.00	622.93	622.93
D	13+53.75	0.00	622.96	622.97
E	13+63.75	0.00	622.97	622.97
C.L. Pier 2	13+69.75	0.00	622.97	622.97
F	13+79.75	0.00	622.96	622.97
G	13+89.75	0.00	622.93	622.94
C.L. East Abutment	13+96.70	0.00	622.91	622.91
East End of Deck	13+97.22	0.00	622.90	622.90



Note:
The above deflections are not be used in field if the Engineer is working from the grade elevations adjusted for dead load deflections.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West End of Deck	13+11.11	18.00	622.48	622.48
C.L. West Abutment	13+11.63	18.00	622.48	622.49
A	13+21.63	18.00	622.54	622.55
B	13+31.63	18.00	622.60	622.61
C.L. Pier 1	13+38.58	18.00	622.64	622.64
C	13+48.58	18.00	622.67	622.68
D	13+58.58	18.00	622.70	622.70
E	13+68.58	18.00	622.70	622.71
C.L. Pier 2	13+74.58	18.00	622.70	622.70
F	13+84.58	18.00	622.68	622.68
G	13+94.58	18.00	622.64	622.65
C.L. East Abutment	14+01.52	18.00	622.61	622.62
East End of Deck	14+02.04	18.00	622.61	622.61

SOUTH EDGE OF DECK

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West End of Deck	13+12.72	24.00	622.58	622.58
C.L. West Abutment	13+13.24	24.00	622.58	622.58
A	13+23.24	24.00	622.64	622.65
B	13+33.24	24.00	622.70	622.71
C.L. Pier 1	13+40.18	24.00	622.73	622.73
C	13+50.18	24.00	622.77	622.77
D	13+60.18	24.00	622.79	622.80
E	13+70.18	24.00	622.79	622.80
C.L. Pier 2	13+76.18	24.00	622.79	622.79
F	13+86.18	24.00	622.76	622.77
G	13+96.18	24.00	622.73	622.73
C.L. East Abutment	14+03.13	24.00	622.70	622.70
East End of Deck	14+03.65	24.00	622.69	622.69



USER NAME =	DESIGNED - CP	REVISED -
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PLOT DATE =	CHECKED - JMK	REVISED -

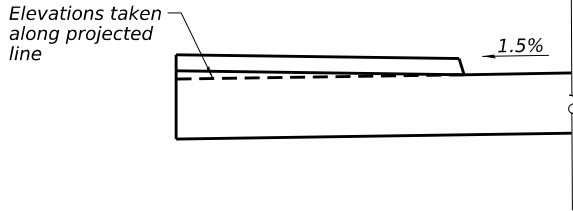
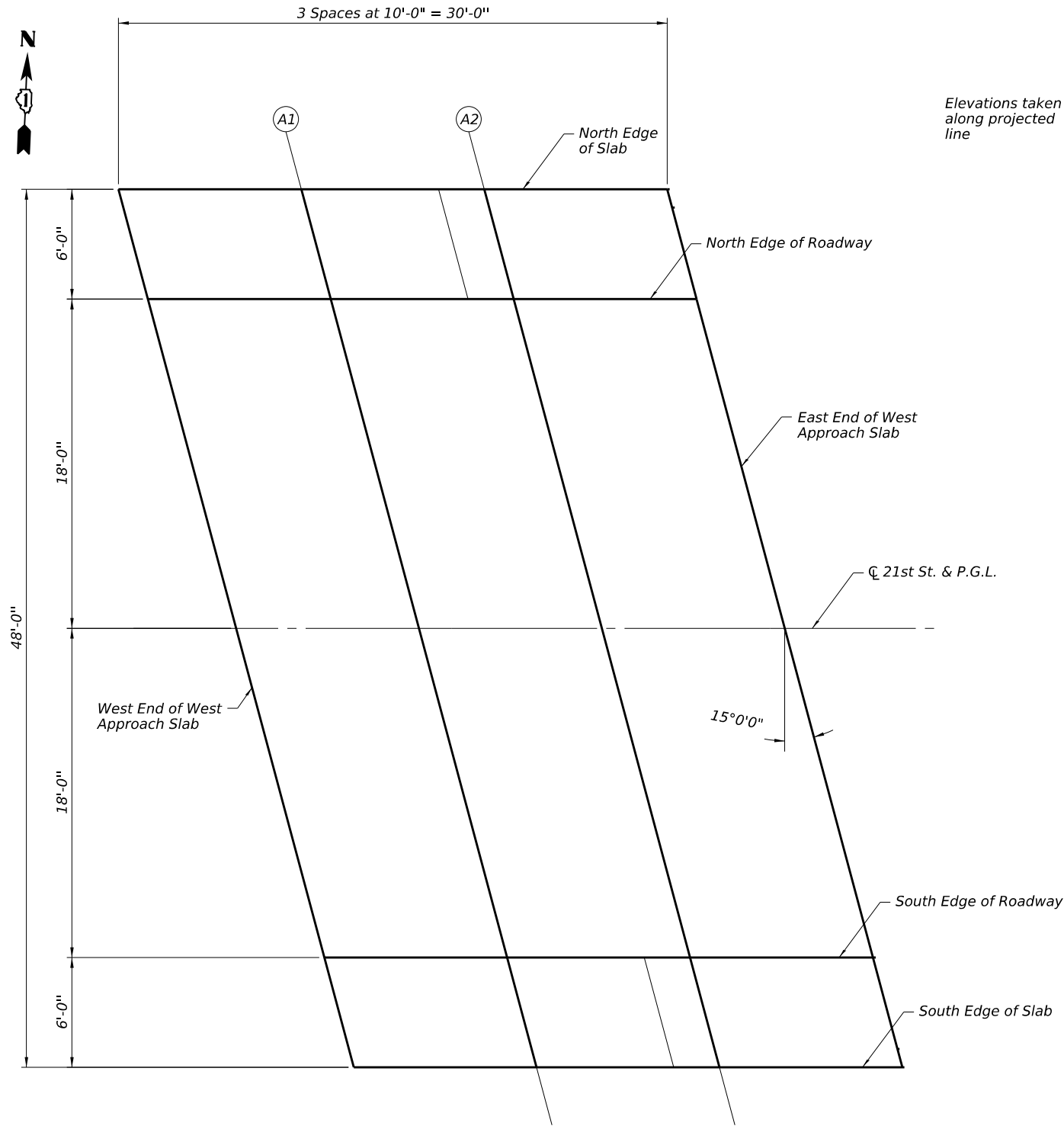
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 016-6651

SHEET S-05 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR	COOK	60	31
CONTRACT NO.				61L82
ILLINOIS				FED. AID PROJECT

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SECTION AT SIDEWALK

PLAN

NORTH EDGE OF WEST APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	12+69.86	-24.00	622.14
A1	12+79.86	-24.00	622.20
A2	12+89.86	-24.00	622.26
E. End of West Appr. Pavement	12+99.86	-24.00	622.32

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	12+71.46	-18.00	622.24
A1	12+81.46	-18.00	622.30
A2	12+91.46	-18.00	622.36
E. End of West Appr. Pavement	13+01.46	-18.00	622.42

CL 21ST STREET

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	12+76.29	0.00	622.54
A1	12+86.29	0.00	622.60
A2	12+96.29	0.00	622.66
E. End of West Appr. Pavement	13+06.29	0.00	622.72

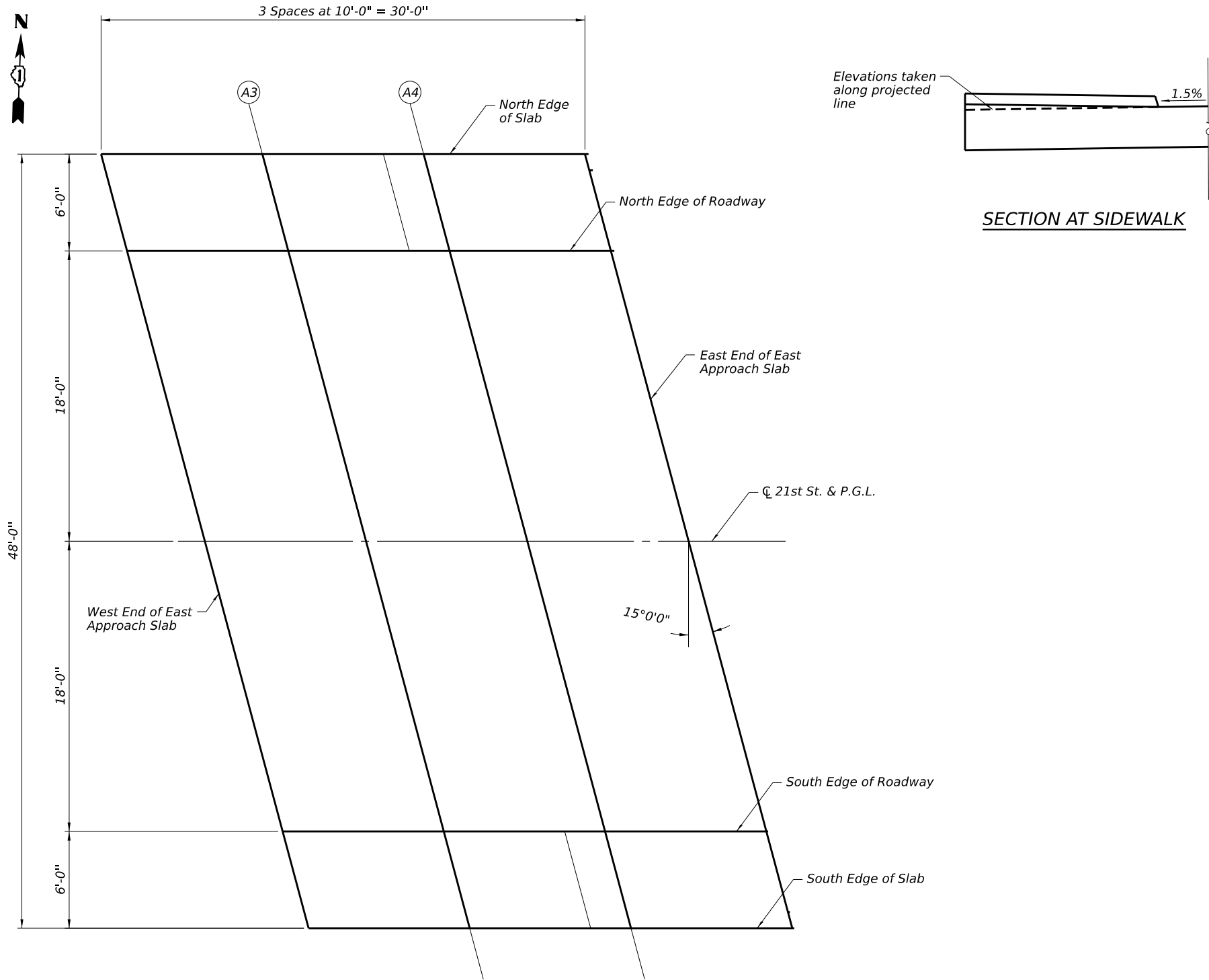
SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	12+81.11	18.00	622.30
A1	12+91.11	18.00	622.36
A2	13+01.11	18.00	622.42
E. End of West Appr. Pavement	13+11.11	18.00	622.48

SOUTH EDGE OF WEST APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	12+82.72	24.00	622.22
A1	12+92.72	24.00	622.28
A2	13+02.72	24.00	622.34
E. End of West Appr. Pavement	13+12.72	24.00	622.40

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PLAN

NORTH EDGE EAST APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	13+90.79	-24.00	622.57
A3	14+00.79	-24.00	622.53
A4	14+10.79	-24.00	622.47
E. End of East Appr. Pavement	14+20.79	-24.00	622.40

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	13+92.39	-18.00	622.65
A3	14+02.39	-18.00	622.61
A4	14+12.39	-18.00	622.55
E. End of West Appr. Pavement	14+22.39	-18.00	622.48

CL 21ST STREET

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	13+97.22	0.00	622.90
A3	14+07.22	0.00	622.85
A4	14+17.22	0.00	622.79
E. End of East Appr. Pavement	14+27.22	0.00	622.71

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	14+02.04	18.00	622.61
A3	14+12.04	18.00	622.55
A4	14+22.04	18.00	622.48
E. End of West Appr. Pavement	14+32.04	18.00	622.39

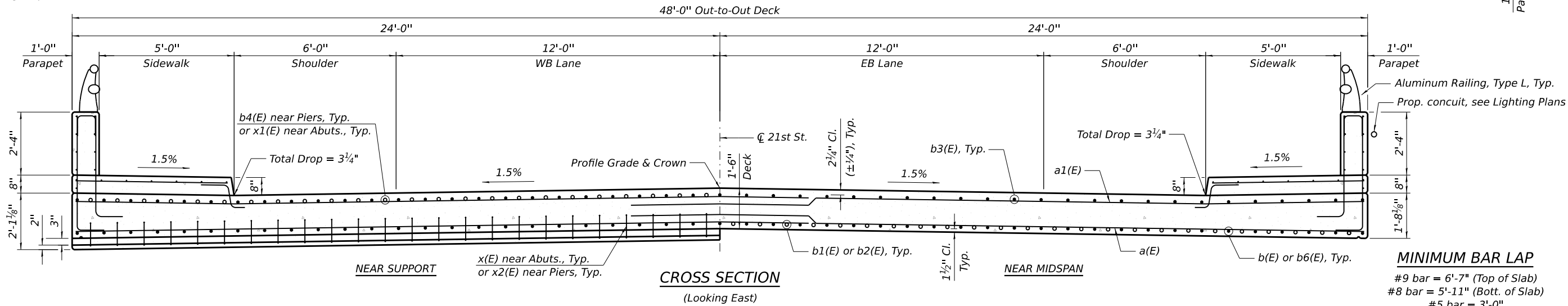
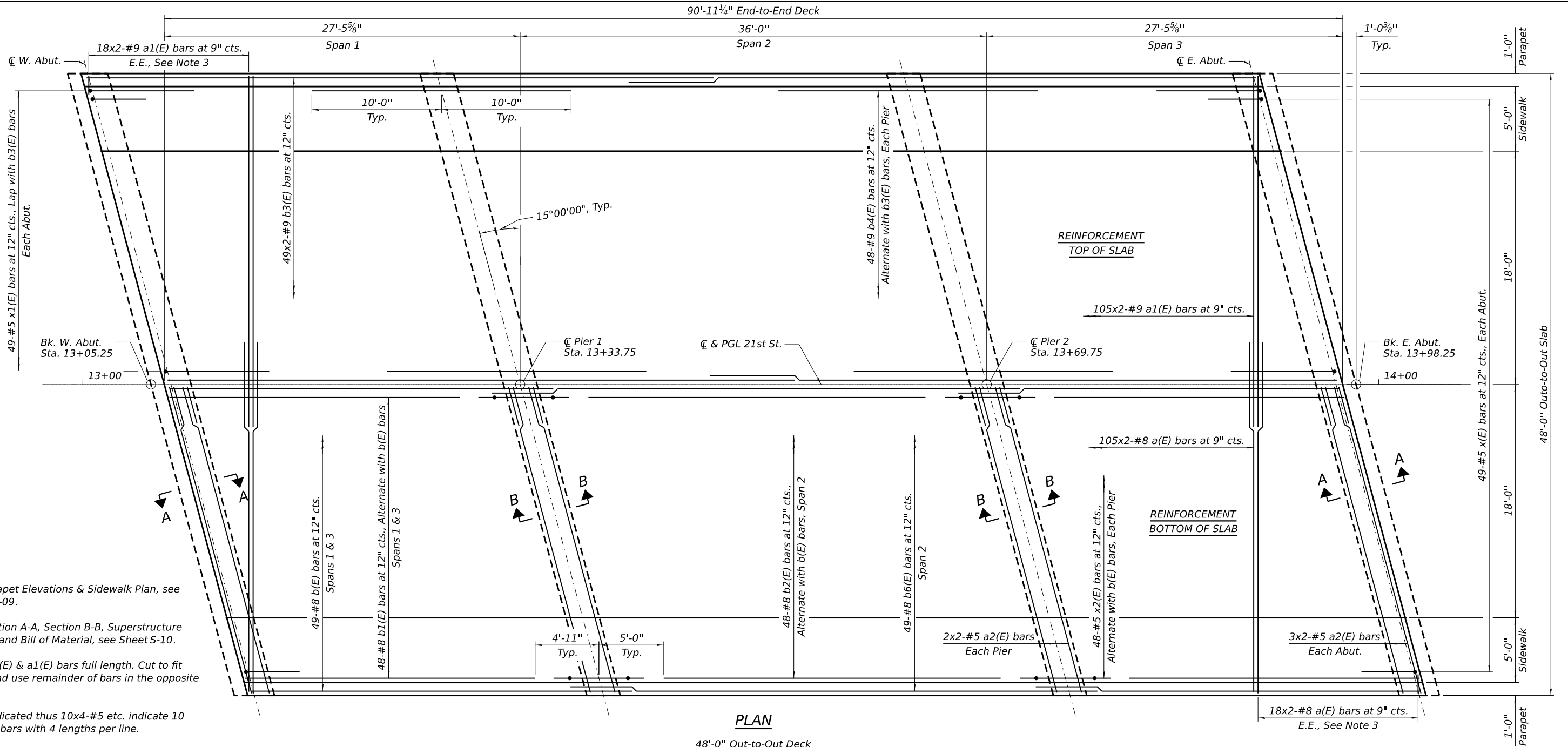
SOUTH EDGE OF EAST APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	14+03.65	24.00	622.51
A3	14+13.65	24.00	622.45
A4	14+23.65	24.00	622.38
E. End of East Appr. Pavement	14+33.65	24.00	622.29

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NOTES:

- For Parapet Elevations & Sidewalk Plan, see Sheet S-09.
- For Section A-A, Section B-B, Superstructure Details and Bill of Material, see Sheet S-10.
- Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in the opposite end.
- Bars indicated thus 10x4-#5 etc. indicate 10 lines of bars with 4 lengths per line.



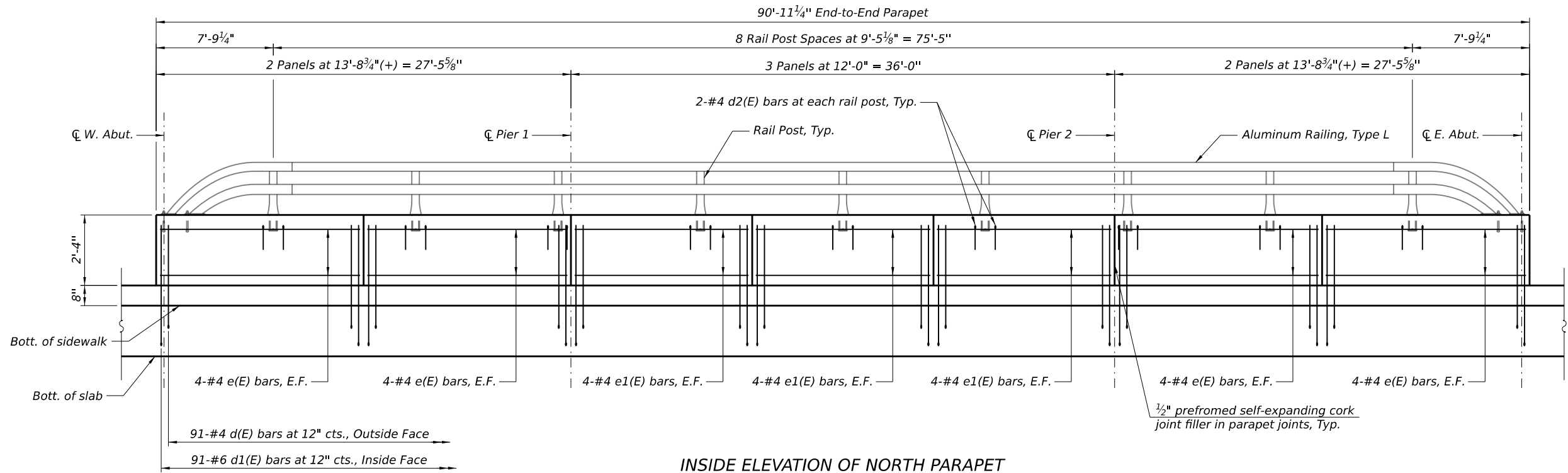
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

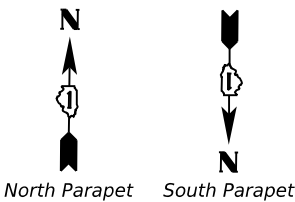
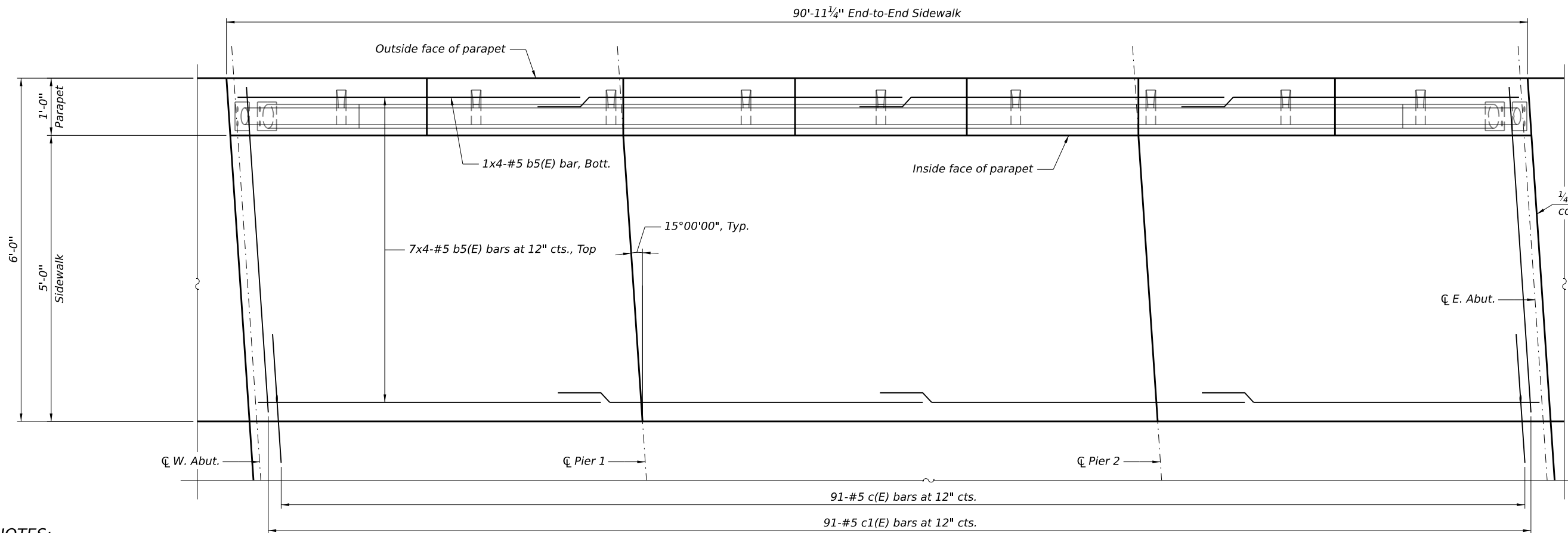
SUPERSTRUCTURE PLAN & CROSS SECTION
STRUCTURE NO. 016-6651

SHEET S-08 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR	COOK	60	34
CONTRACT NO.				61L82
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF NORTH PARAPET
(Looking North)
(Inside elevation of South parapet similar)



MINIMUM BAR LAP
#5 bar = 3'-0"

NOTES:

1. Bars indicated thus 10x4-#5 etc. indicate 10 lines of bars with 4 lengths per line.
2. For additional details and Bill of Material, see Sheet S-10.

SIDEWALK AND PARAPET PLAN
(Parapet reinforcement not shown for clarity)

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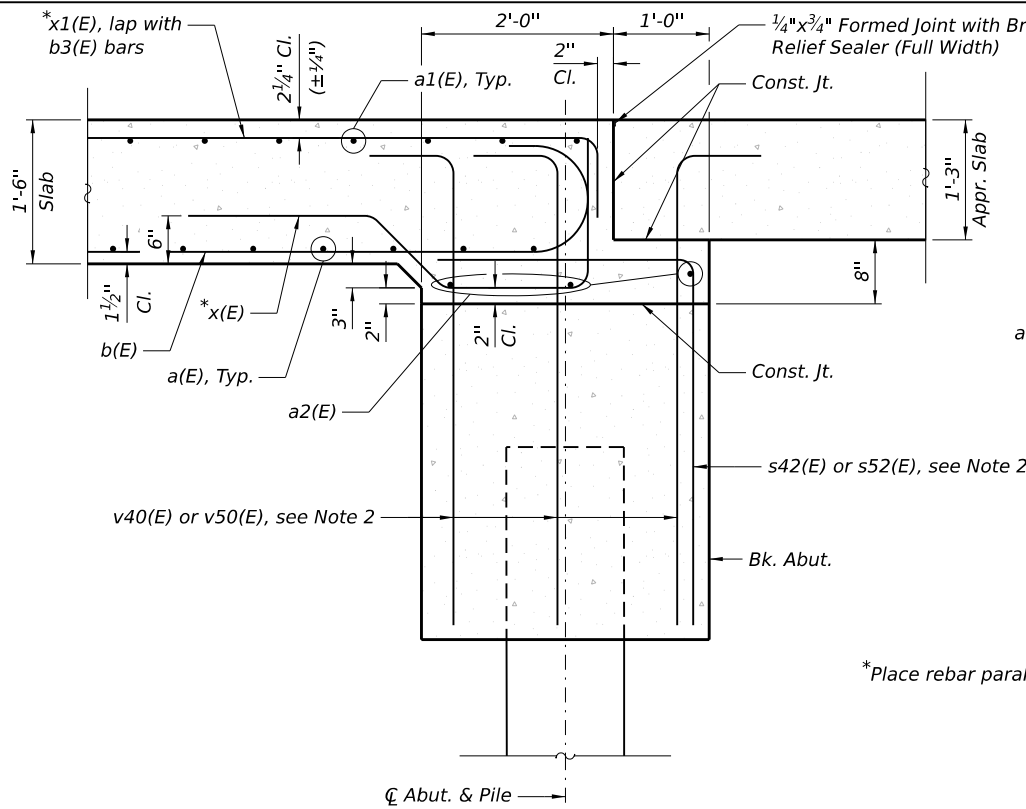
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK PLAN & PARAPET ELEVATION
STRUCTURE NO. 016-6651

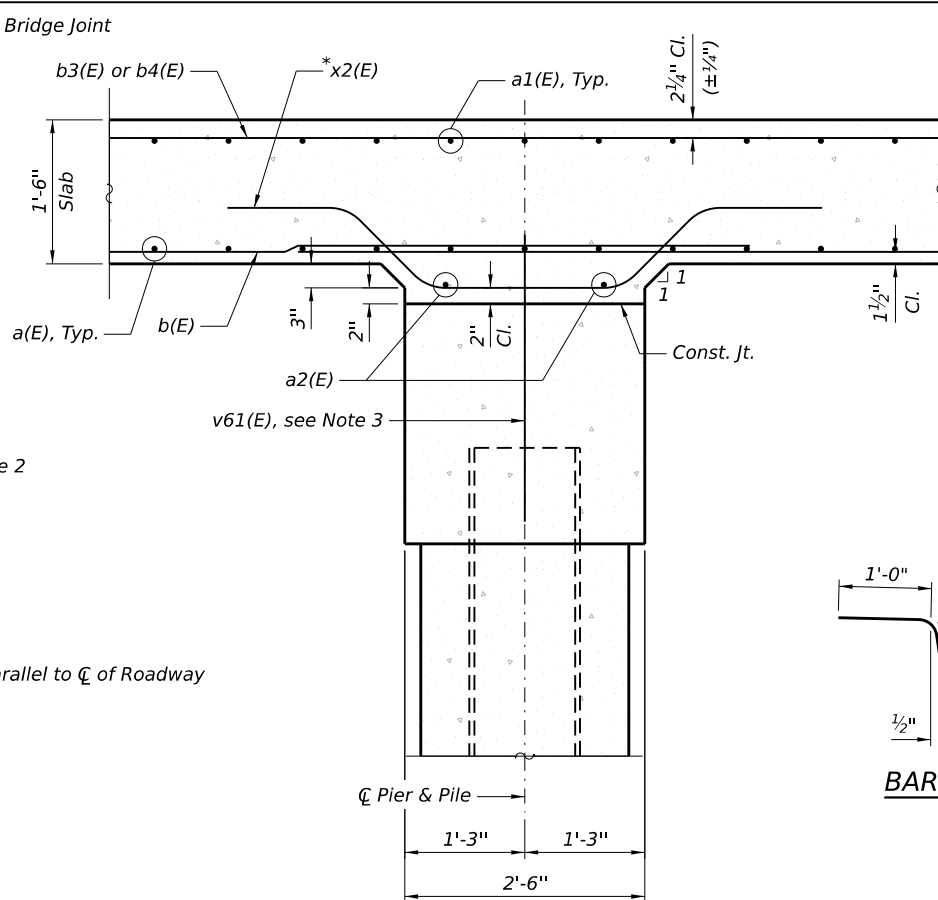
SHEET S-09 OF S-28 SHEETS

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			CONTRACT NO. 61L82		
		ILLINOIS	FED. AID PROJECT		

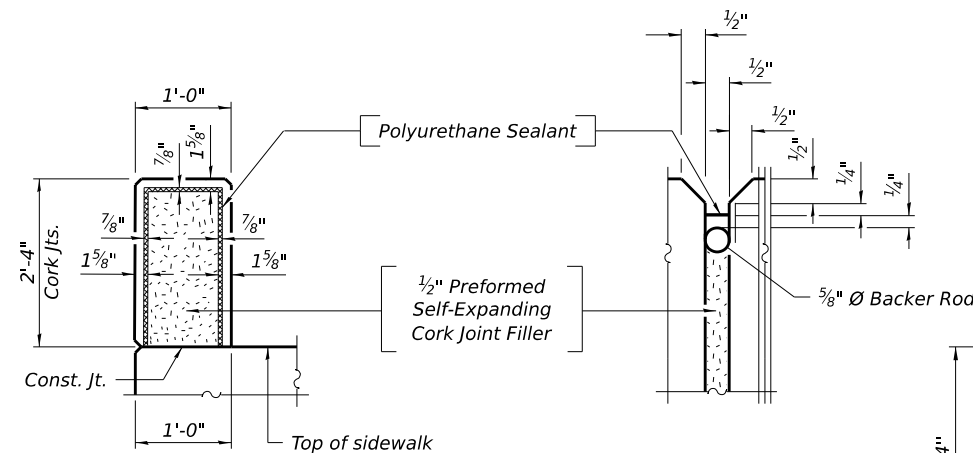
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SECTION A-A
(Abutment reinforcement
not shown for clarity)



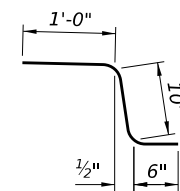
SECTION B-B
(Pier reinforcement
not shown for clarity)



PARAPET JOINT DETAILS

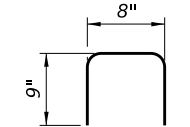
NOTES:

- The Polyurethane Sealant shall be according to Article 1050.04 of the Standard Specifications and the color shall be gray.
- Bars in abutment are billed with abutments, see Sheets S-17 and S-19.
- Bars in pier cap are billed with piers, see Sheet S-21.
- In lieu of bottom leg, c(E) bars may be drilled and set according to Article 584 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of drilled hole shall not exceed 6". Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.

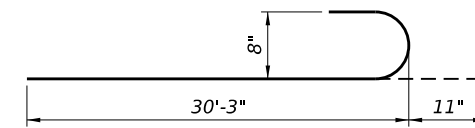


BAR c(E)

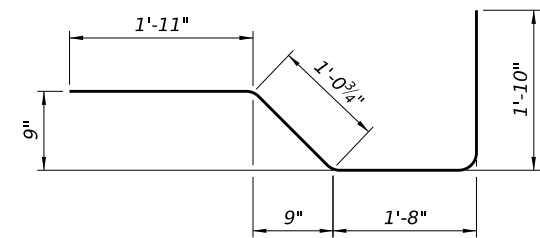
BARS d(E) & d1(E)



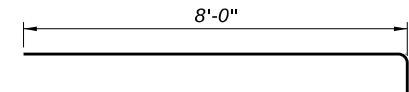
BAR d2(E)



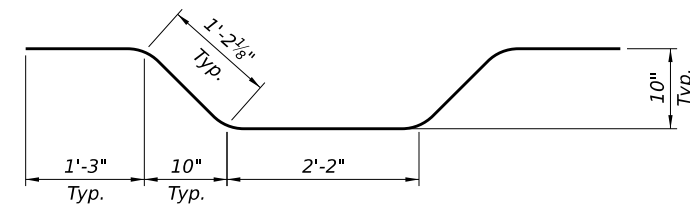
BAR b(E)



BAR x(E)



BAR x1(E)



BAR x2(E)

**SUPERSTRUCTURE
BILL OF MATERIAL**

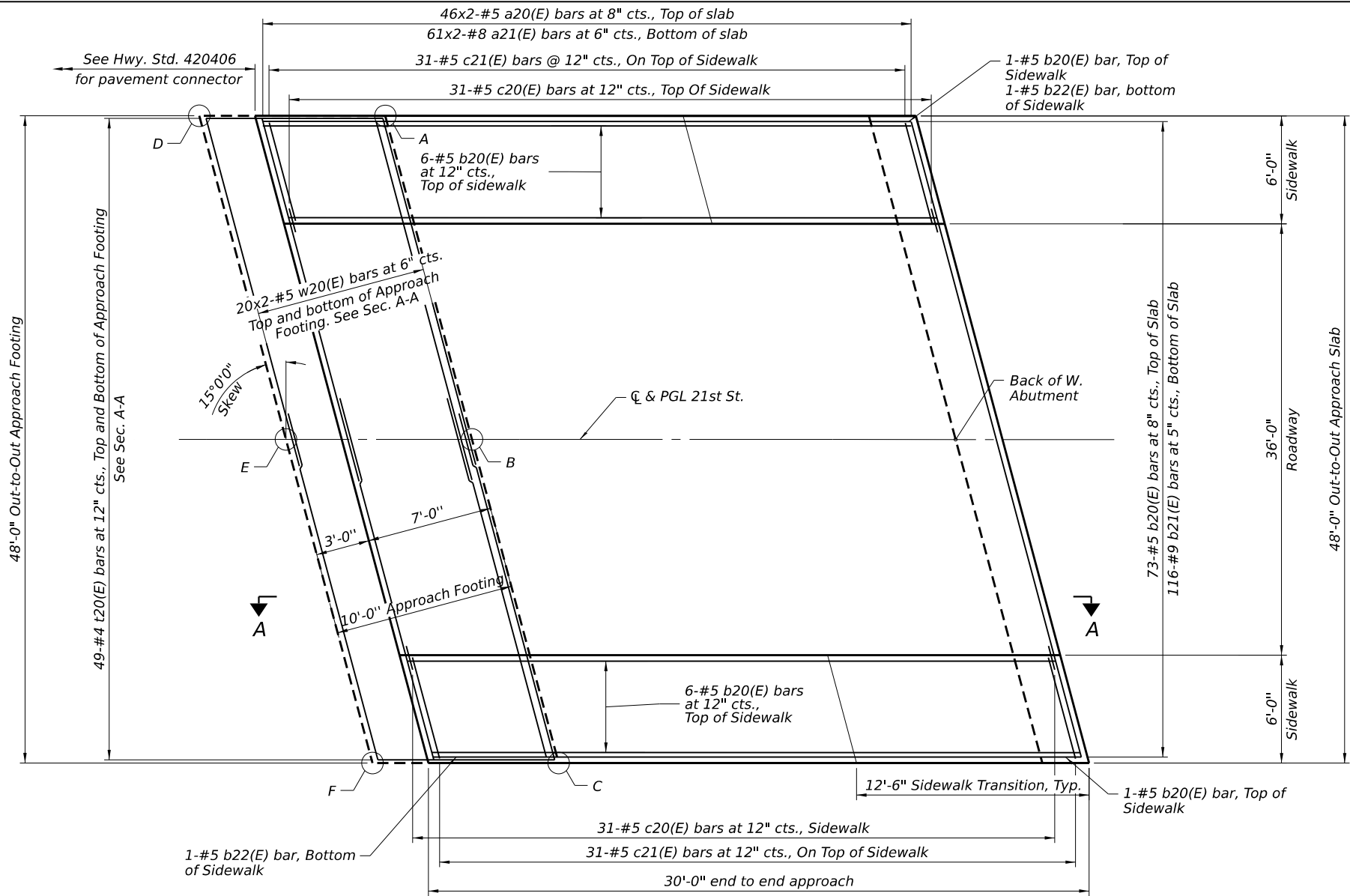
Bar	No.	Size	Length	Shape
a(E)	246	#8	26'-10"	
a1(E)	246	#9	27'-2"	
a2(E)	20	#5	26'-2"	
b(E)	98	#8	31'-2"	
b1(E)	98	#8	22'-3"	
b2(E)	48	#8	26'-0"	
b3(E)	98	#9	48'-8"	
b4(E)	96	#9	20'-0"	
b5(E)	64	#5	24'-11"	
b6(E)	49	#8	41'-11"	
c(E)	182	#5	2'-4"	
c1(E)	182	#5	5'-8"	
d(E)	182	#4	5'-3"	
d1(E)	182	#6	4'-9"	
d2(E)	36	#4	2'-2"	
e(E)	64	#4	13'-4"	
e1(E)	48	#4	11'-8"	
x(E)	98	#5	6'-6"	
x1(E)	98	#5	8'-10"	
x2(E)	98	#5	7'-0"	
Concrete Superstructure			Cu Yd	301.3
Bridge Deck Grooving			Sq Yd	344
Protective Coat			Sq Yd	526
Reinforcement Bars, Epoxy Coated			Pound	94,830

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

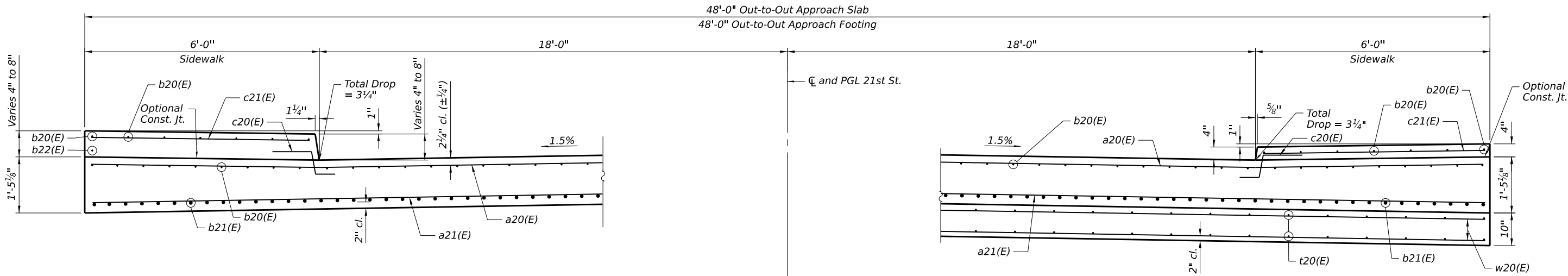
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 016-6651**

SHEET S-10 OF S-28 SHEETS

F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SFAR	22-00086-00-BR		COOK	60	36
			CONTRACT NO. 61L82		
		ILLINOIS	FED. AID PROJECT		



PLAN



NEAR ABUTMENT

CROSS SECTION
(Looking East)

AT APPROACH FOOTING

TOP AND BOTTOM ELEVATIONS
FOR W. APPROACH FOOTING

Point	Top	Bottom
A	620.94	620.10
B	621.34	620.50
C	621.01	620.18
D	620.88	620.04
E	621.27	620.44
F	620.95	620.12

MINIMUM BAR LAP

#5 bar = 3'-0"
#8 bar = 4'-9"

NOTE:

1. Bars indicated thus 10x4-#5 etc. indicate 10 lines of bars with 4 lengths per line.

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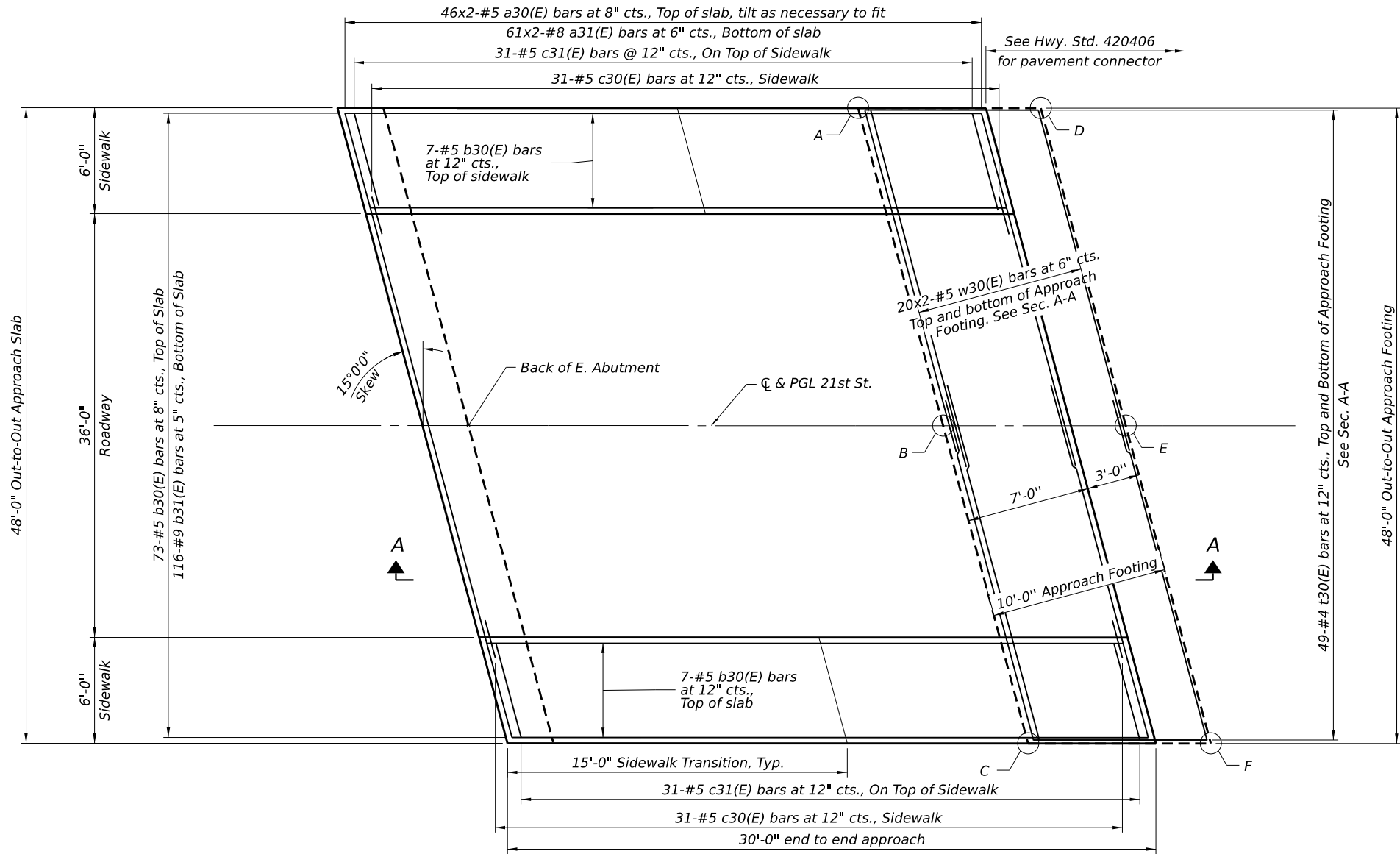
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

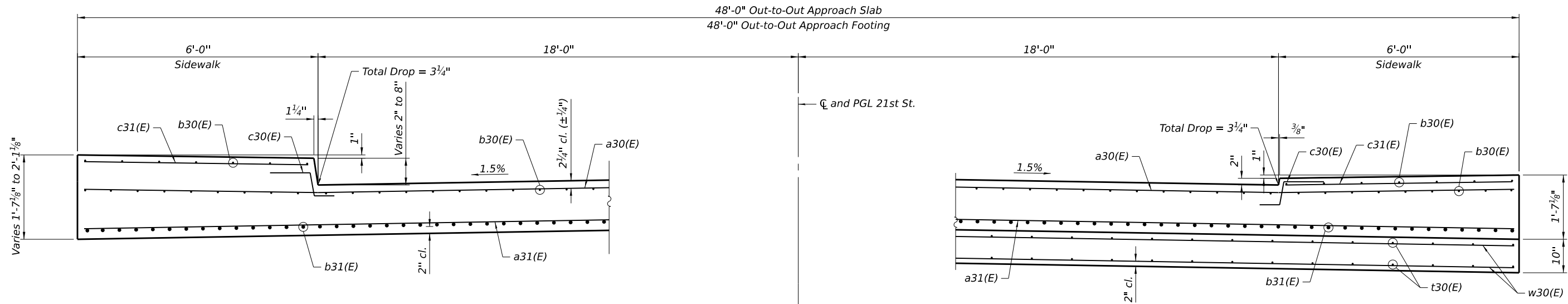
WEST APPROACH SLAB PLAN & CROSS SECTION
STRUCTURE NO. 016-6651

SHEET S-11 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR	COOK	60	37
CONTRACT NO.			61L82	
ILLINOIS		FED. AID PROJECT		



PLAN



CROSS SECTION
(Looking East)

TOP AND BOTTOM ELEVATIONS
FOR E. APPROACH FOOTING

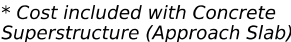
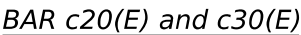
Point	Top	Bottom
A	621.20	620.37
B	621.52	620.68
C	621.11	620.27
D	621.13	620.29
E	621.43	620.60
F	621.01	620.18

MINIMUM BAR LAP

#5 bar = 3'-0"
#8 bar = 4'-9"










NOTE:

- Bars indicated thus 10x4-#5 etc. indicate 10 lines of bars with 4 lengths per line.



Notes:
 Approach slab and sidewalk 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 (Q_{max}) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet S-2 of S-28.

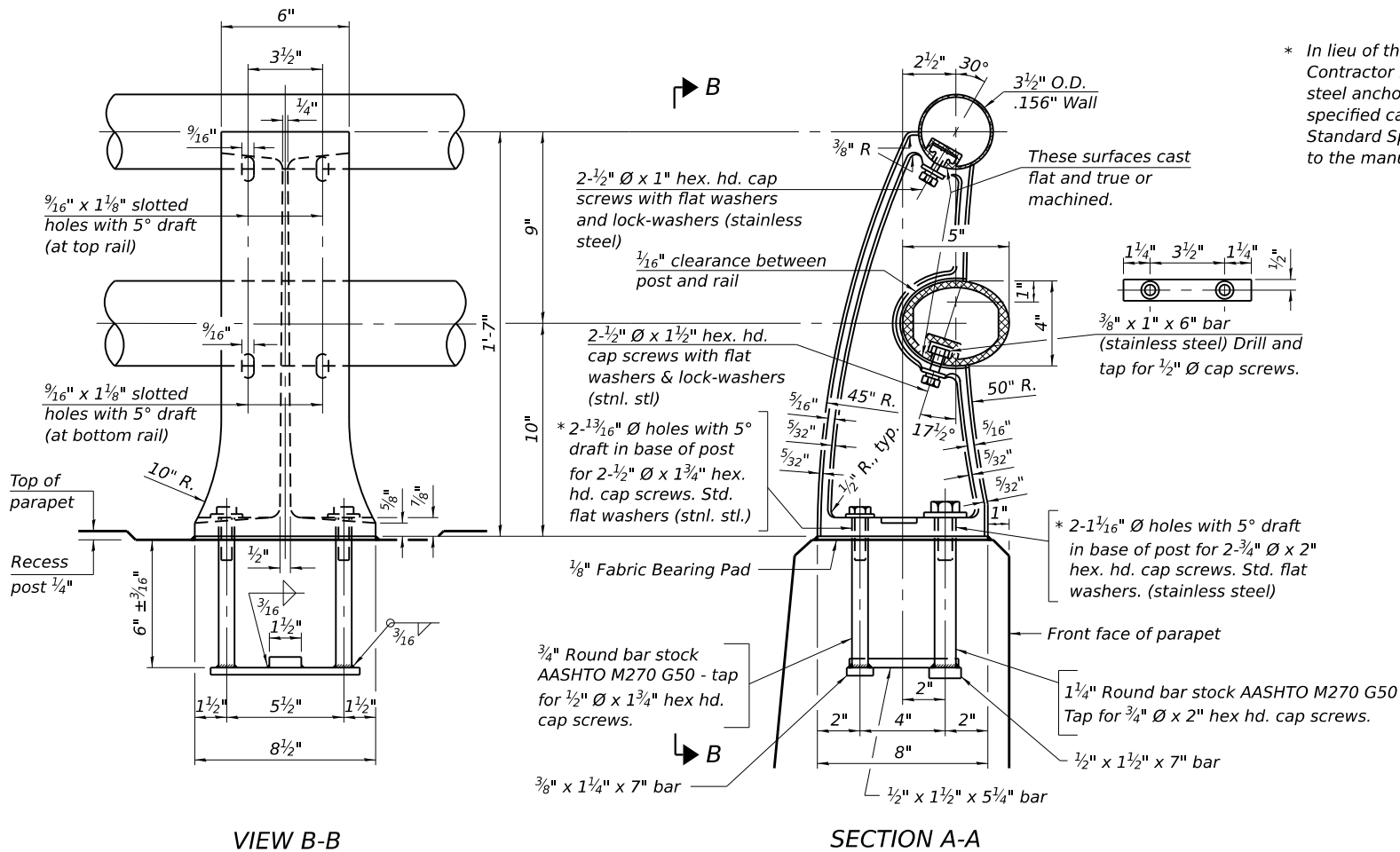
WEST APPROACH SLAB
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a20(E)	92	# 5	26'-2"	
a21(E)	122	# 8	27'-1"	
b20(E)	89	# 5	29'-8"	
b21(E)	116	# 9	29'-8"	
b22(E)	2	# 5	6'-0"	
c20(E)	62	# 5	2'-4"	
c21(E)	62	# 5	5'-8"	
t20(E)	98	# 4	10'-0"	
w20(E)	40	# 5	26'-2"	
Concrete Structures			Cu Yd	15.4
Bridge Deck Grooving			Sq Yd	114
Protective Coat			Sq Yd	163
Concrete Superstructure (Approach Slab)			Cu Yd	73.3
Reinforcement Bars, Epoxy Coated			Pound	28,070

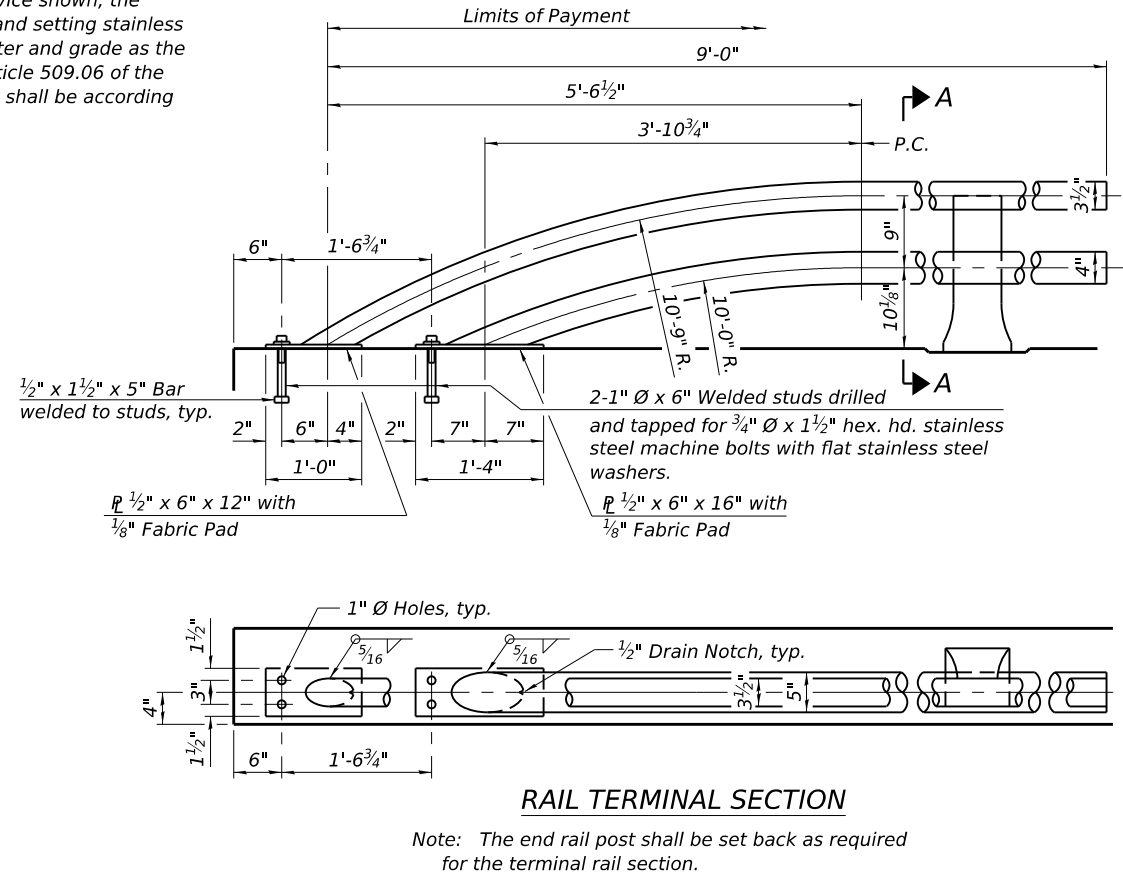
EAST APPROACH SLAB
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a30(E)	92	# 5	26'-2"	=====
a31(E)	122	# 8	27'-1"	=====
b30(E)	87	# 5	29'-8"	=====
b31(E)	116	# 9	29'-8"	=====
c30(E)	62	# 5	2'-4"	=====
c31(E)	62	# 5	5'-8"	=====
t30(E)	98	# 4	10'-0"	=====
w30(E)	40	# 5	26'-2"	=====
Concrete Structures			Cu Yd	15.4
Bridge Deck Grooving			Sq Yd	114
Protective Coat			Sq Yd	162
Concrete Superstructure (Approach Slab)			Cu Yd	71.8
Reinforcement Bars, Epoxy Coated			Pound	27,990

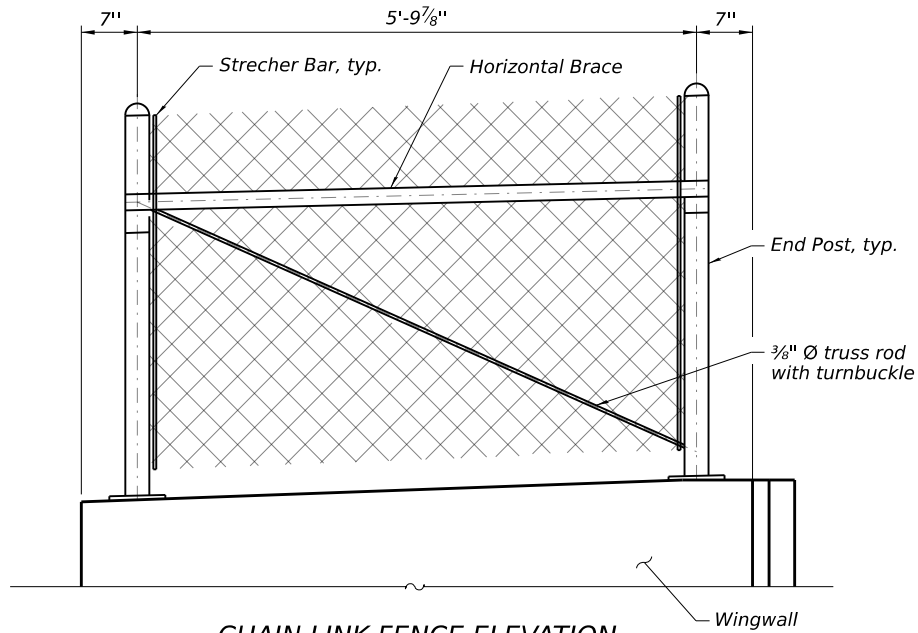
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7/23/2025 1:26:42 PM



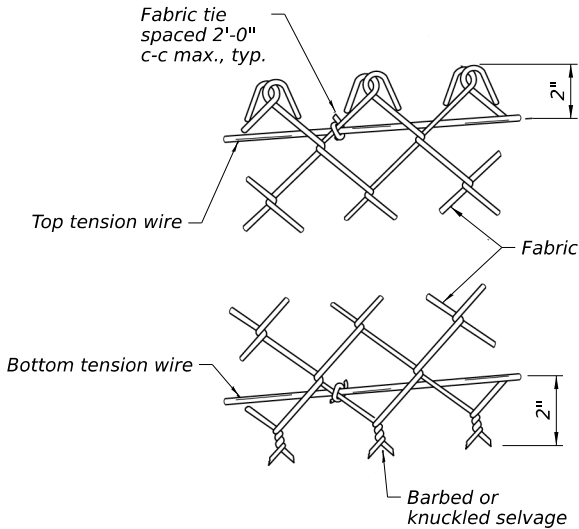
* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



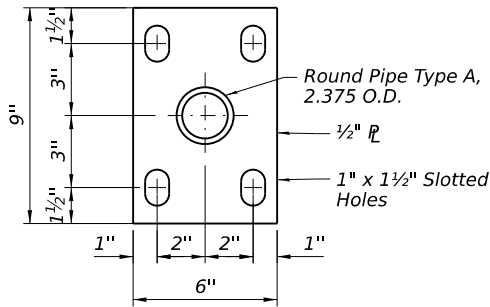
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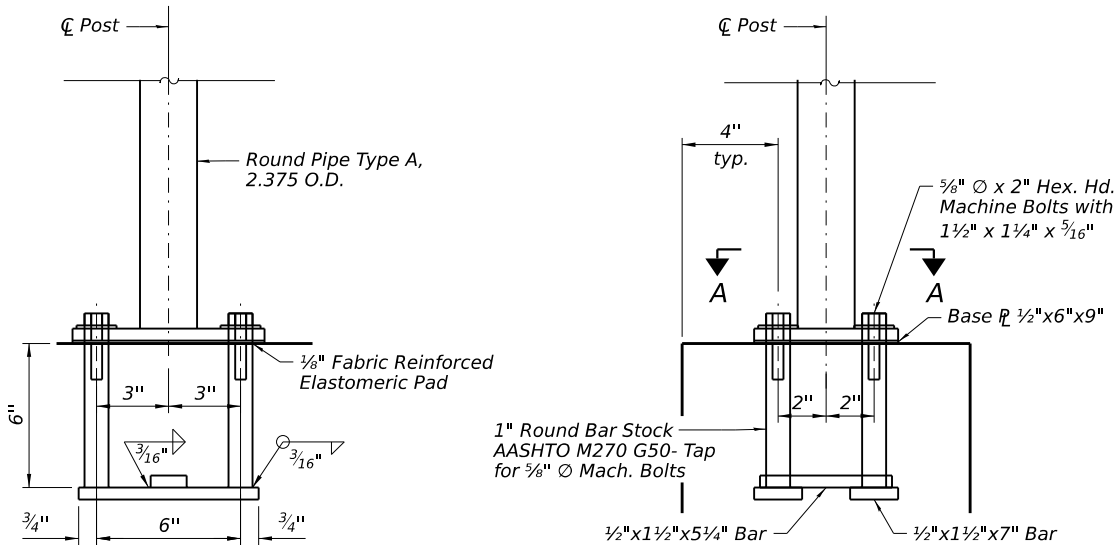
CHAIN LINK FENCE ELEVATION



METHOD OF TYING
FABRIC TO TENSION WIRES

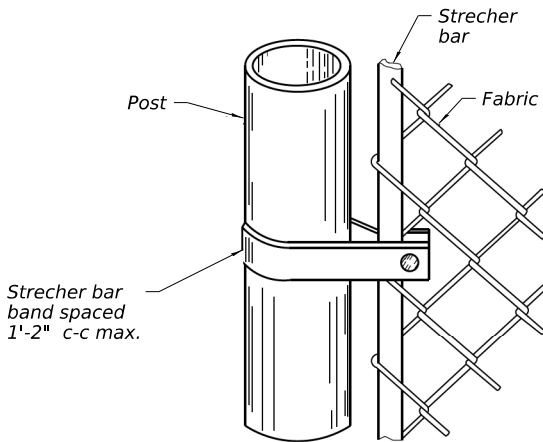


SECTION A-A



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the contractor has the option of drilling and setting 3/8 inch diameter anchor rods according to article 509.06 of the standard specifications. Embedment shall be according to the manufacturer's specifications. Place reinforcement bars to miss anchor rod locations.



METHOD OF FASTENING
STRECHER BAR TO POST

SECTION PROPERTIES

Component	Section	lbs./ft.
Terminal Post	Pipe Type A 2.375 O.D.	3.65
Horizontal Braces	Pipe Type A 1.66 O.D.	2.27

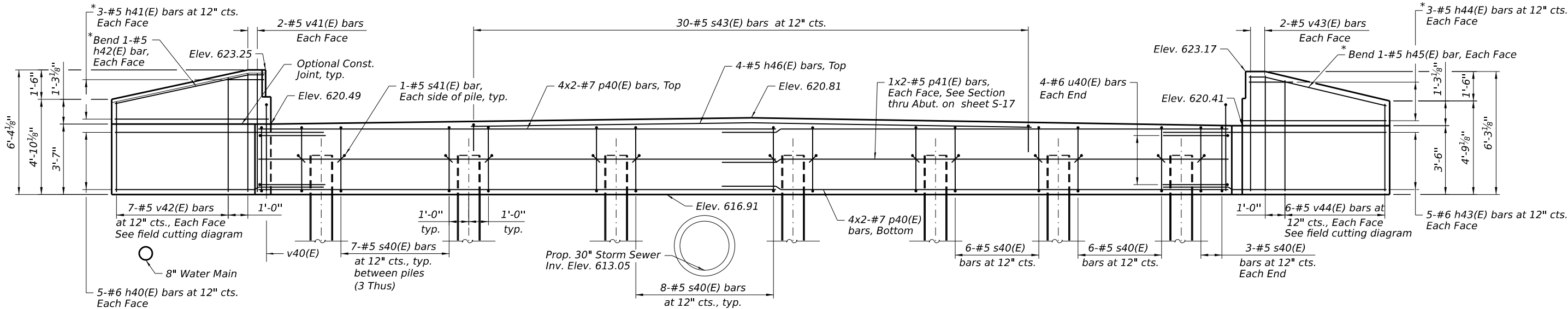
BILL OF MATERIAL

Item	Unit	Quantity
Chain Link Fence, 4' Attached to Structure	Foot	6

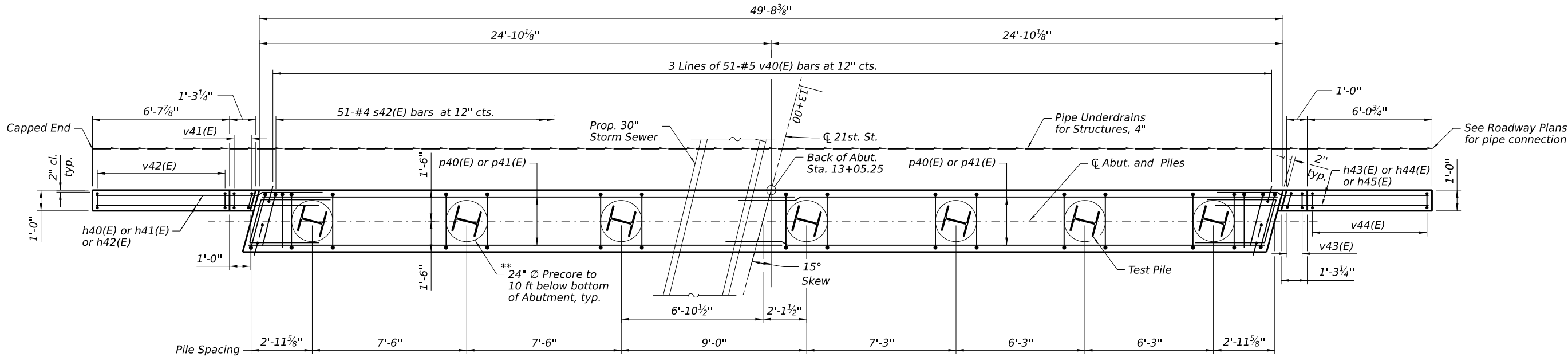
NOTES:

1. Bars noted thus, 4x2-#6 indicates 4 lines of #6 bars with 2 lengths per line.
2. For Sections thru Abut., bar bend diagrams, field cutting diagram, and Bill of Material, see Sheet S-17.
3. For pile details, see Sheet S-22.

* Cut in field to fit



ELEVATION
(Looking West)



PILE DATA

Type: HP 12x63 with pile shoes
Nominal Required Bearing: 497 kips
Factored Resistance Available: 273 kips
Estimated Length: 49'
No. Production Piles: 6

** Piles shall be driven through 24" diameter precored holes extending to elevation 606.91 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 1.5tsf. Cost included in driving piles.

MINIMUM BAR LAP

#5 bar = 3'-7"
#6 bar = 4'-4"
#7 bar = 5'-0"

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USER NAME =	DESIGNED - SIK	REVISED -
	CHECKED - JMK	REVISED -
PLOT SCALE =	DRAWN - SIK	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 016-6651

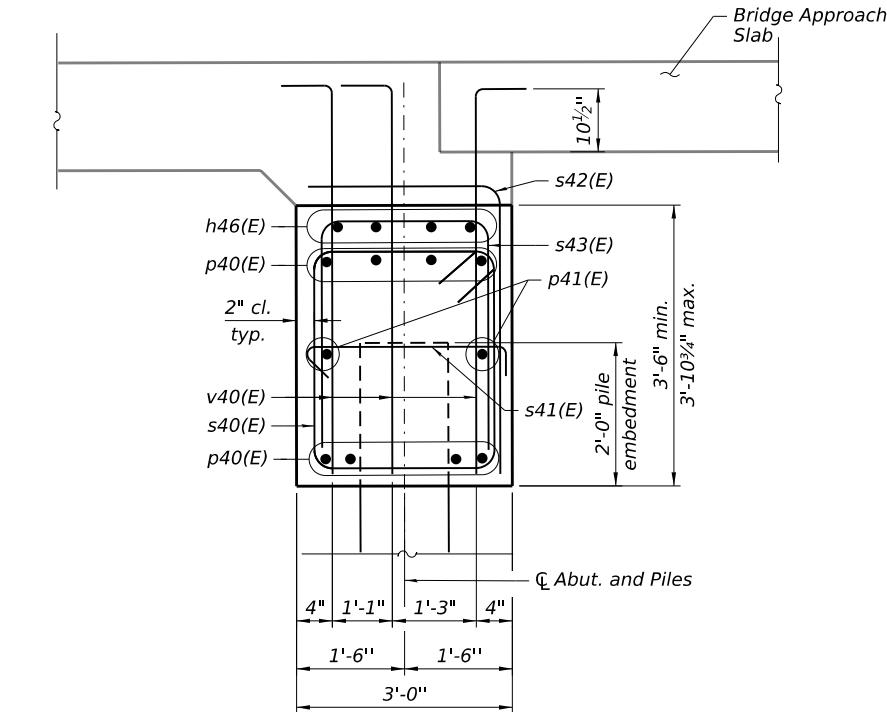
SHEET S-16 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

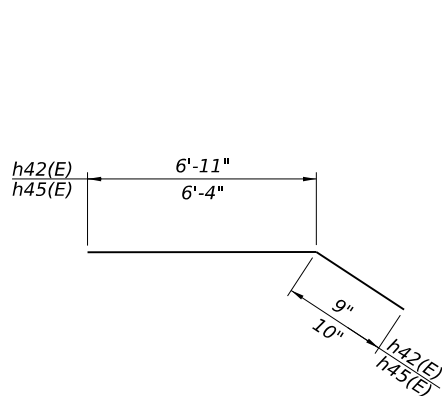
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7/23/2025 1:27:14 PM

BILL OF MATERIAL

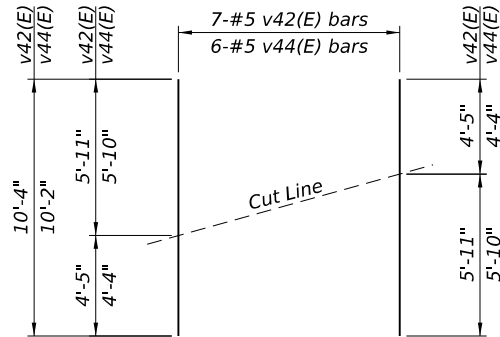
Bar	No.	Size	Length	Shape
h40(E)	10	# 6	12'-3"	=====
h41(E)	6	# 5	7'-9"	=====
h42(E)	2	# 5	7'-8"	=====
h43(E)	10	# 6	11'-8"	=====
h44(E)	6	# 5	7'-2"	=====
h45(E)	2	# 5	7'-2"	=====
h46(E)	4	# 5	29'-0"	=====
p40(E)	16	# 7	27'-3"	=====
p41(E)	4	# 5	26'-6"	=====
s40(E)	47	# 5	12'-7"	=====
s41(E)	14	# 5	4'-0"	=====
s42(E)	51	# 4	6'-5"	=====
s43(E)	30	# 5	9'-4"	=====
u40(E)	8	# 6	9'-3"	=====
v40(E)	153	# 5	5'-10"	=====
v41(E)	4	# 5	5'-11"	=====
v42(E)	7	# 5	10'-4"	=====
v43(E)	4	# 5	5'-10"	=====
v44(E)	6	# 5	10'-2"	=====
Structure Excavation			Cu Yd	94
Concrete Structures			Cu Yd	23.3
Reinforcement Bars, Epoxy Coated			Pound	4,030
Furnishing Steel Piles Hp12X63			Foot	294
Driving Piles			Foot	282
Test Pile Steel Hp12X63			Each	1
Pile Shoes			Each	7
Granular Backfill For Structures			Cu Yd	45
Geocomposite Wall Drain			Sq Yd	27
Pipe Underdrains For Structures 4"			Foot	69



SECTION THRU ABUT.

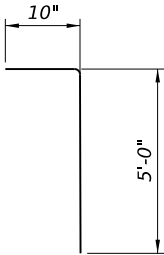


BARS h42(E) or h45(E)

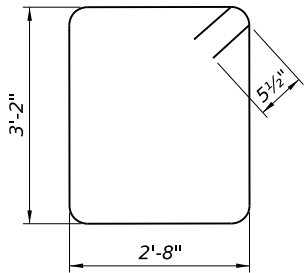


FIELD CUTTING DIAGRAM

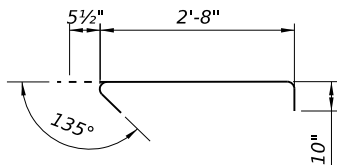
Order v42(E) and v44(E) full length. Cut as shown and use remainder of bars in opposite face.



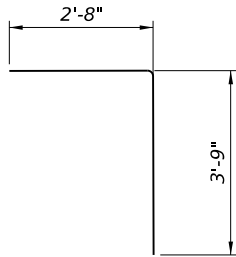
BAR v40(E)



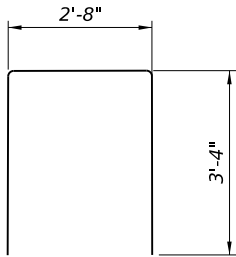
BAR s40(E)



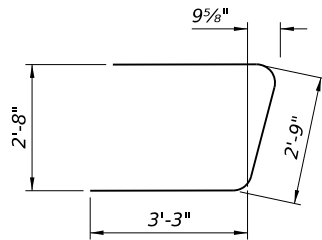
BAR s41(E)



BAR s42(E)



BAR s43(E)



BAR u40(E)



USER NAME =	DESIGNED - SIK	REVISED -
CHECKED - JMK	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT DETAILS AND BOM
STRUCTURE NO. 016-6651

SHEET S-17 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR	COOK	60	43
			CONTRACT NO.	61L82
		ILLINOIS	FED. AID PROJECT	

1. Bars noted thus, 4x2-#6 indicates 4 lines of #6 bars with 2 lengths per line.
2. For Section thru Abut., bar bend diagrams, field cutting diagram, and Bill of Material, see Sheet S-19.
3. For pile details, see Sheet S-22.



Type: HP 12x63 with pile shoes
Nominal Required Bearing: 497 kips
Factored Resistance Available: 273 kips
Estimated Length: 49'
No. Production Piles: 6

#5 bar = 3'-7"
#6 bar = 4'-4"
#7 bar = 5'-0"

USER NAME =	DESIGNED -	SIK	REVISED -
	CHECKED -	JMK	REVISED -
PLOT SCALE =	DRAWN -	SIK	REVISED -
PLOT DATE =	CHECKED -	JMK	REVISED -

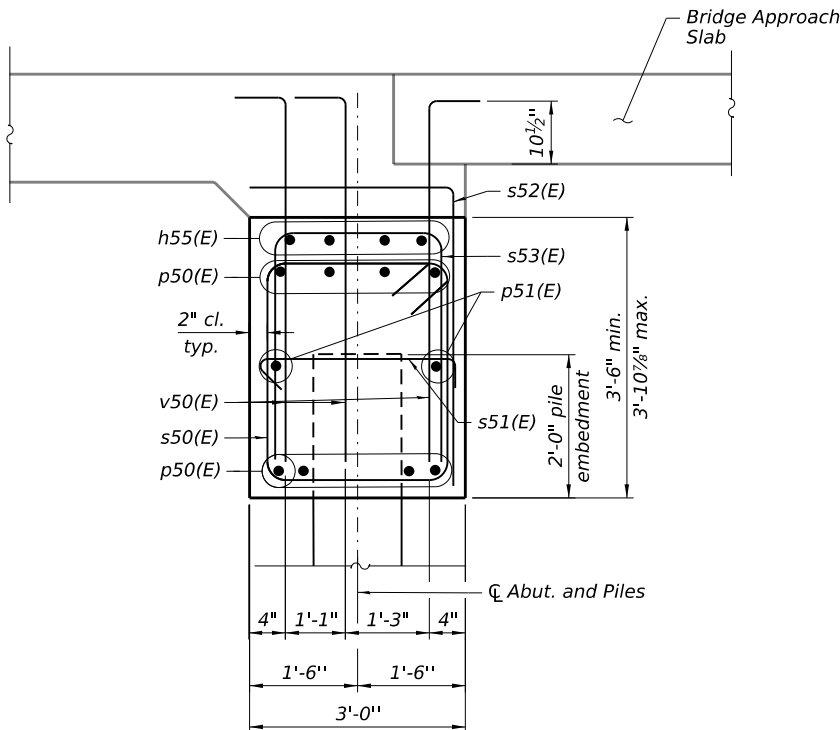
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST ABUTMENT
STRUCTURE NO. 016-6651**

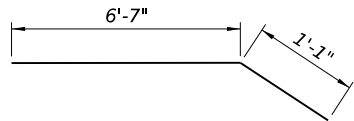
SHEET S-18 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR	COOK	60	44
		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

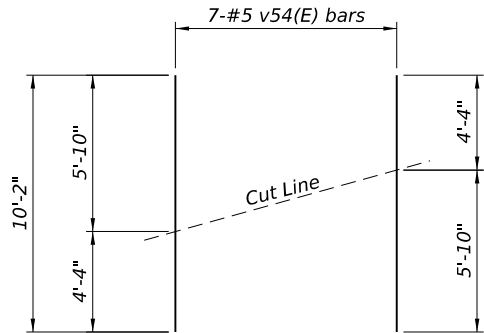
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SECTION THRU ABUT.

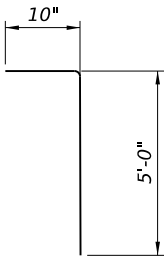


BAR h54(E)

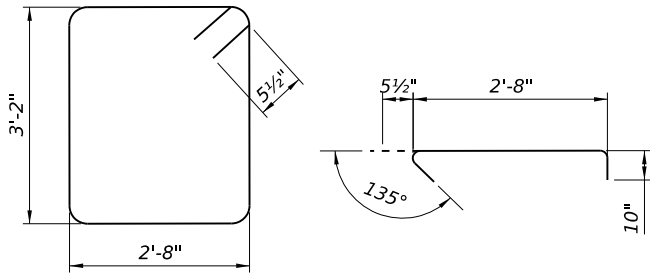


FIELD CUTTING DIAGRAM

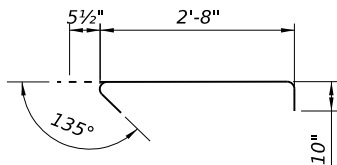
Order v54(E) full length. Cut as shown and use remainder of bars in opposite face.



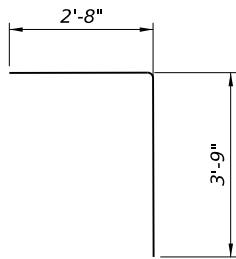
BAR v50(E)



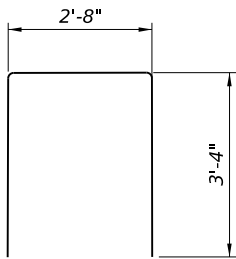
BAR s50(E)



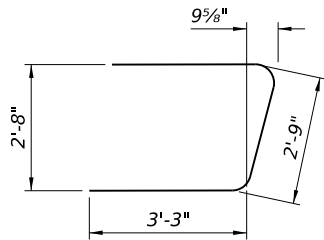
BAR s51(E)



BAR s52(E)



BAR s53(E)



BAR u50(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h50(E)	10	# 6	11'-7"	—
h51(E)	8	# 5	6'-11"	—
h52(E)	10	# 6	12'-2"	—
h53(E)	6	# 5	7'-3"	—
h54(E)	2	# 5	7'-8"	—
h55(E)	4	# 5	29'-0"	—
p50(E)	16	# 7	27'-3"	—
p51(E)	4	# 5	26'-6"	—
s50(E)	48	# 5	12'-7"	□
s51(E)	14	# 5	4'-0"	└
s52(E)	51	# 4	6'-5"	└
s53(E)	30	# 5	9'-4"	└
u50(E)	8	# 6	9'-3"	└
v50(E)	153	# 5	5'-10"	└
v51(E)	4	# 5	5'-11"	—
v52(E)	14	# 5	5'-10"	—
v53(E)	4	# 5	5'-10"	—
v54(E)	7	# 5	10'-2"	—
Structure Excavation			Cu Yd	91
Concrete Structures			Cu Yd	23.4
Reinforcement Bars, Epoxy Coated			Pound	4,110
Furnishing Steel Piles HP12X63			Foot	294
Driving Piles			Foot	282
Test Pile Steel Hp12X63			Each	1
Pile Shoes			Each	7
Granular Backfill For Structures			Cu Yd	45
Geocomposite Wall Drain			Sq Yd	27
Pipe Underdrains For Structures 4"			Foot	69

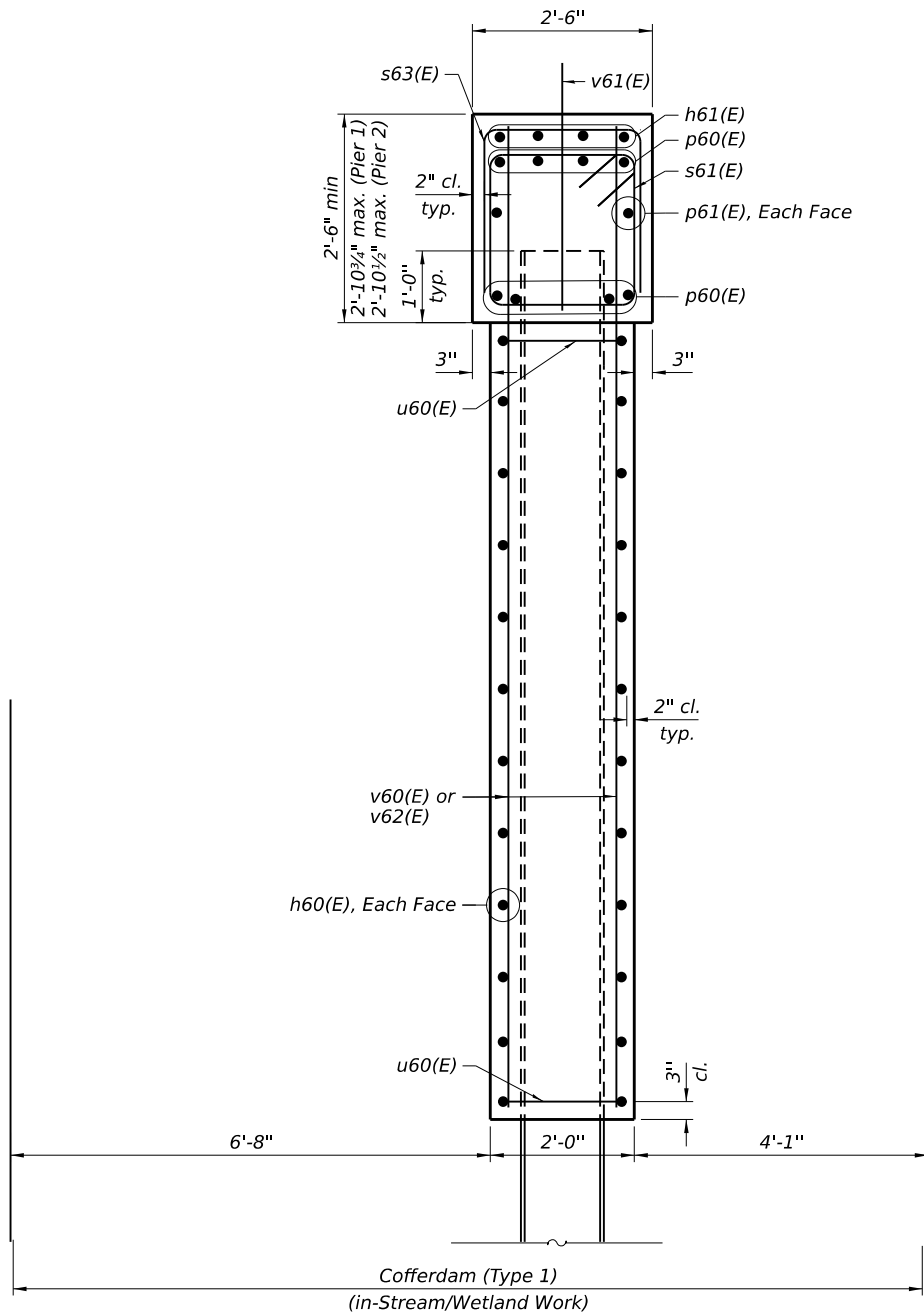
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS AND BOM
STRUCTURE NO. 016-6651

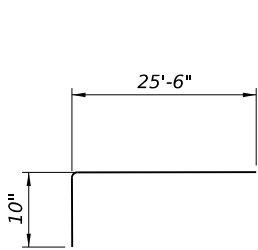
SHEET S-19 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

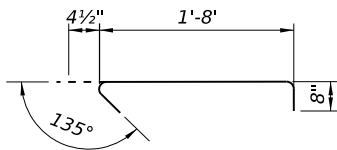
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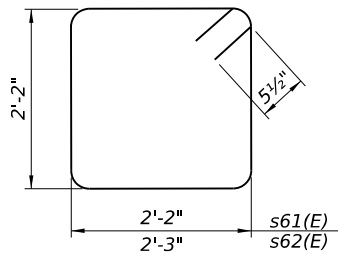
END VIEW
(Looking South)
(Pier 1 end View shown. Pier 2 similar opposite hand.)



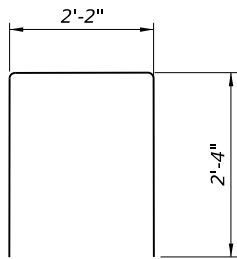
BAR h60(E)



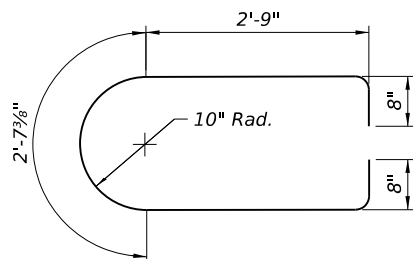
BAR s60(E)



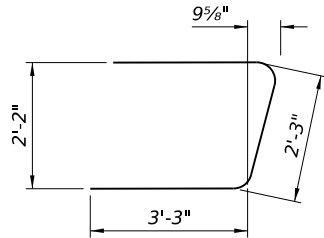
BAR s61(E) or s62(E)



BAR s63(E)



BAR u60(E)



BAR u61(E)

PIER 1 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h60(E)	48	# 5	26'-4"	
h61(E)	4	# 5	29'-0"	
p60(E)	16	# 7	27'-2"	
p61(E)	4	# 5	26'-6"	
s60(E)	192	# 4	2'-9"	
s61(E)	46	# 5	9'-7"	
s62(E)	2	# 5	9'-9"	
s63(E)	30	# 5	6'-10"	
u60(E)	24	# 5	9'-6"	
u61(E)	6	# 6	8'-9"	
v60(E)	102	# 5	13'-2"	
v61(E)	49	# 5	3'-6"	
Cofferdam Excavation			Cu Yd	71
Concrete Structures			Cu Yd	52.3
Reinforcement Bars, Epoxy Coated			Pound	5,390
Furnishing Steel Piles Hp12X63			Foot	350
Driving Piles			Foot	343
Test Pile Steel Hp12X63			Each	1
Pile Shoes			Each	8
Cofferdam (Type 1) (In-Stream/Wetland Work)			Each	1

PIER 2 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h60(E)	48	# 5	26'-4"	
h61(E)	4	# 5	29'-0"	
p60(E)	16	# 7	27'-2"	
p61(E)	4	# 5	26'-6"	
s60(E)	192	# 4	2'-9"	
s61(E)	46	# 5	9'-7"	
s62(E)	2	# 5	9'-9"	
s63(E)	30	# 5	6'-10"	
u60(E)	24	# 5	9'-6"	
u61(E)	6	# 6	8'-9"	
v60(E)	102	# 5	13'-2"	
v61(E)	49	# 5	3'-6"	
Cofferdam Excavation			Cu Yd	71
Concrete Structures			Cu Yd	52.9
Reinforcement Bars, Epoxy Coated			Pound	5,390
Furnishing Steel Piles Hp12X63			Foot	350
Driving Piles			Foot	343
Test Pile Steel Hp12X63			Each	1
Pile Shoes			Each	8
Cofferdam (Type 1) (In-Stream/Wetland Work)			Each	1



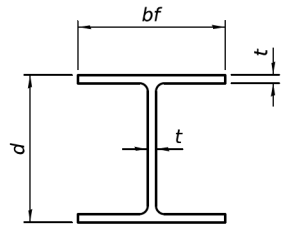
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CHECKED - JMK	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS 1 & 2 DETAILS AND BOM
STRUCTURE NO. 016-6651

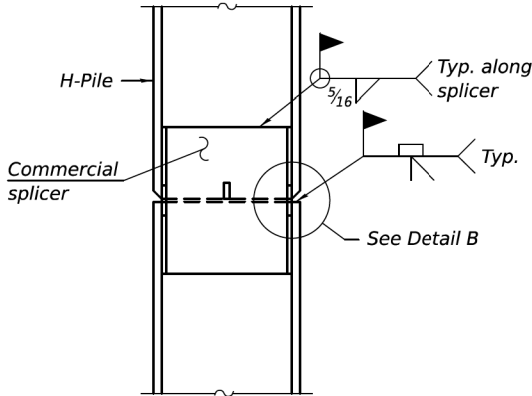
SHEET 5-21 OF 5-28 SHEETS

F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR		COOK	60	47
			CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT			

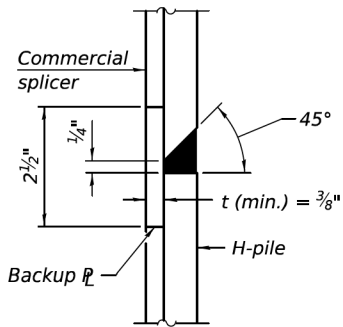


STEEL PILE TABLE

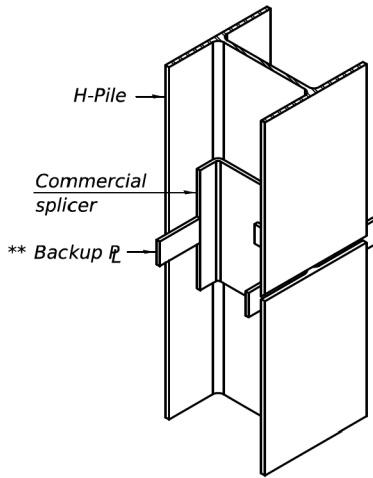
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17¾"	17⅞"	⅞"	36"
x135	17½"	17¾"	¾"	36"
HP 16x183	16½"	16½"	1⅞"	36"
x162	16¼"	16⅞"	1"	36"
x141	16	16	⅞"	36"
x121	15¾"	15⅞"	¾"	36"
HP 14x117	14¼"	14⅞"	1⅜"	30"
x102	14	14¾"	1⅜"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅞"	½"	30"
HP 12x84	12¼"	12¼"	1⅜"	24"
x74	12⅞"	12¼"	⅝"	24"
x63	12	12⅞"	½"	24"
x53	11¾"	12	⅞"	24"
HP 10x57	10	10¼"	⅞"	24"
x42	9¾"	10⅞"	⅞"	24"
HP 8x36	8	8⅞"	⅞"	18"



ELEVATION

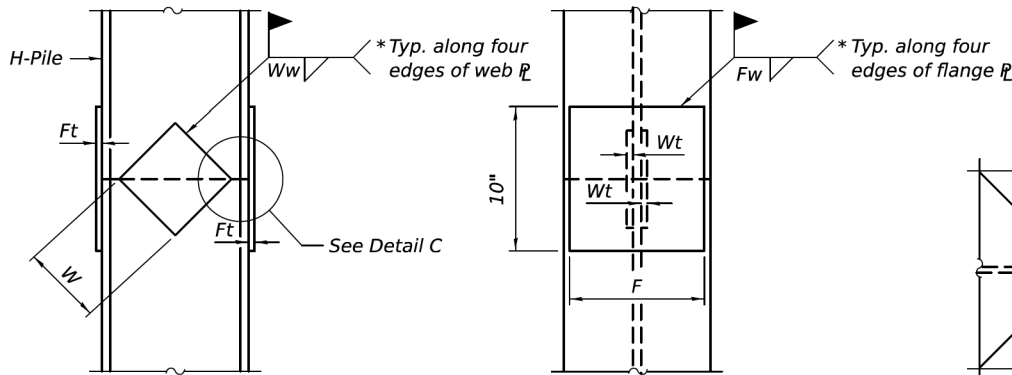


DETAIL B



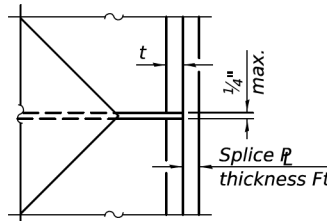
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



ELEVATION

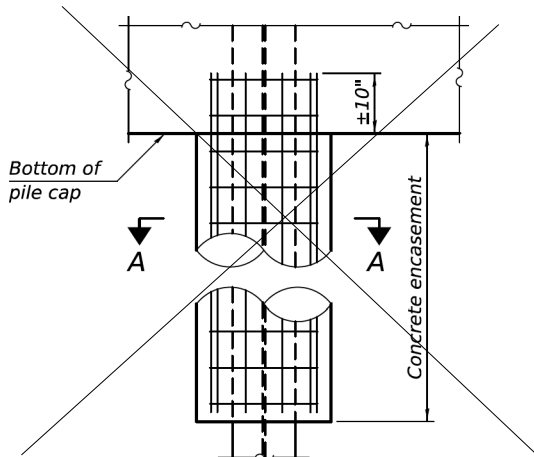
END VIEW



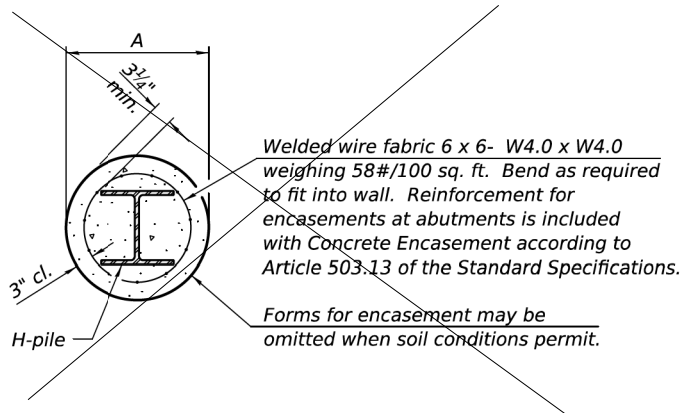
DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15½"	1½"	1"	9½"	⅞"	¾"
x157	15¼"	1¼"	1"	9½"	⅞"	¾"
x135	15¼"	1¼"	1"	9½"	⅞"	¾"
HP 16x183	13¾"	1½"	1"	8¼"	⅞"	¾"
x162	13½"	1½"	1"	8¼"	¾"	⅝"
x141	13½"	1¼"	⅞"	8¼"	¾"	⅝"
x121	13½"	1¼"	⅞"	8¼"	¾"	⅝"
HP 14x117	12½"	1¼"	⅞"	7¾"	⅝"	½"
x102	12½"	1"	¾"	7¾"	⅝"	½"
x89	12½"	⅞"	11/16"	7¾"	⅝"	½"
x73	12½"	¾"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	1"	11/16"	6½"	⅝"	½"
x74	10"	⅞"	11/16"	6½"	⅝"	½"
x63	10"	¾"	½"	6½"	½"	⅜"
x53	10"	¾"	½"	6½"	½"	⅜"
HP 10x57	8"	⅞"	9/16"	5¼"	½"	⅜"
x42	8"	¾"	9/16"	5¼"	½"	⅜"
HP 8x36	6¾"	⅝"	7/16"	4"	½"	⅜"

WELDED PLATE FIELD SPLICE



ELEVATION

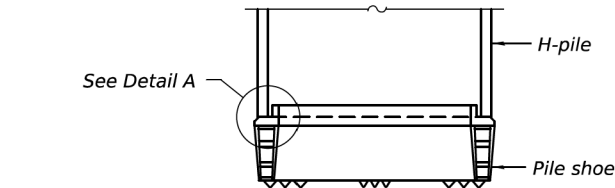


SECTION A-A

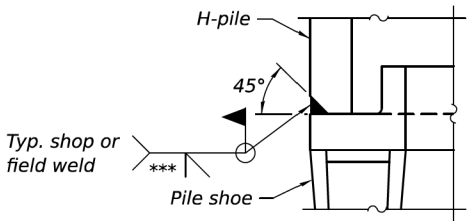
INDIVIDUAL PILE
CONCRETE ENCASEMENT
(when specified)

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds ¼" from end of web and/or each flange.
- ** Remove portions of backup plate's that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (⅜" min.).



ELEVATION



DETAIL A

SHOE ATTACHMENT

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

F-HP

4-4-2025



USER NAME =	DESIGNED - SIK	REVISED -
CHECKED - JMK	REVISED -	
PLOT SCALE =	DRAWN - SIK	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 016-6651

SHEET 5-22 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SFAR	22-00086-00-BR	COOK	60	48
CONTRACT NO.			61L82	
ILLINOIS			FED. AID PROJECT	

MODEL: sMODELNAME\$
FILE NAME: pwr/ciorba-pw.bentley.com:ctiorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488-02/CADD_Data/Sht/Structural/0021488-02-21-File_Details.dgn
7/23/2025 1:28:14 PM

MODEL: sMODELNAME\$
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7/23/2025 1:28:26 PM



File No. 26802 **BORING LOG** 1
Client Ciorba Group Sheet 1 of 3
Project 21st Street Bridge over Addison Creek Date 3/17/23
Location Broadview, IL Drilled By AQ
Equipment ☒ D - 50 ☐ H.A. ☐ Other Logged By CS

Elev., ft.	622.5'	Description	Depth, ft.	0	S	T	R	B	N	Pen.	W	Uw	Qu
		Bituminous concrete - 3.0"											
		Crushed limestone - 12.0"											
								4					
		Black-dark brown-gray silt,some clay,trace sand & gravel,damp, loose - Fill			1	SS	18"	5	8		20.4		
619.0'													
								2					
		Brown-gray to brown clay,some silt, trace sand & gravel,damp,very stiff Fill		5	2	SS	18"	5	9	2.75	22.7	105.0	2.8
								2					
616.0'								2					
		Black silt,some clay,trace sand & roots,damp,loose (topsoil)			3	SS	18"	3	5		37.2		
614.0'													
								2					
		Dark brown-gray to brown-gray clay some silt,trace sand & gravel,damp-very damp,stiff		10	4	SS	18"	3	5	1.5	29.8	93.4	1.1
611.5'													
								1					
		Dark brown-gray to brown-gray clay, some silt,trace sand & gravel,damp-very damp,very soft			5	SS	18"	1	2	0.0	37.4		
609.5'													
								5					
		Gray clay,some silt,trace sand & gravel,damp,very hard						8					
				15	6	SS	18"	11	19		12.9	119.7	9.9
606.5'								5					
								8					
		Gray clay,some silt,trace sand & gravel,damp,hard			7	SS	18"	13	21		15.2	122.2	6.2
								5					
								8					
			20	8	SS		18"	13	21		14.4	121.9	6.4

Water Level — depth, ft. elev., ft.
- while drilling: 15.5
- after drilling: 13.5
- hrs. after drilling: _____
F-111b-1

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test(SPT), blows/ 6" interval W - water content, %
N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs/cu. ft.
Qu - unconfined compressive strength, tons/sq. ft.



File No. 26802 **BORING LOG** 1
Client Ciorba Group Sheet 2 of 3
Project 21st Street Bridge over Addison Creek Date 3/17/23
Location Broadview, IL Drilled By AQ
Equipment ☒ D - 50 ☐ H.A. ☐ Other Logged By CS

Elev., ft.	Description	Depth, ft.	20	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay,some silt,trace sand &											
601.5'	gravel,damp,hard											
							17					
							27					
	Gray silt,some fine sand,trace clay,damp,very dense			9	SS	18"	28	56		14.5		
599.5'												
							16					
							21					
	Gray silt,some clay,trace sand & gravel,damp,dense			25	10	SS	18"	24	45		12.3	
597.0'												
							11					
							13					
	Gray clay,some silt,trace sand & gravel,damp,hard			11	SS	18"	18	31		24.0	104.1	6.5
594.5'												
							7					
							8					
	Gray silt,some clay & sand,trace gravel,damp,medium dense			30	12	SS	18"	10	18		10.4	
590.0'												
							14					
							30					
	Gray fine sand & gravel,some medium-coarse sand,saturated,very dense			35	13	SS	18"	34	64		8.0	
585.0'												
							11					
							17					
	Gray fine sand,saturated,dense			40	14	SS	18"	19	36		17.2	

Water Level — depth, ft. elev., ft.
- while drilling: 15.5
- after drilling: 13.5
- hrs. after drilling: _____
F-111b-2

S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test(SPT), blows/ 6" interval W - water content, %
N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs/cu. ft.
Qu - unconfined compressive strength, tons/sq. ft.



USER NAME =	DESIGNED -	REVISED -
CHECKED - JMK	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 1
STRUCTURE NO. 016-6651

SHEET S-23 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR	COOK	60	49
CONTRACT NO.				61L82
ILLINOIS		FED. AID PROJECT		

MODEL: sMODELNAME\$
FILE NAME: pwr/ciorba-pw-bentley.com:ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488-02/CADD Data/Sht/Structural/0021488-02-24-Boring Logs 3.dgn
7/23/2025 1:28:44 PM



File No. 26802 BORING LOG 2
Client Ciorba Group Sheet 2 of 3
Project 21st Street Bridge over Addison Creek Date 3/16/23
Location Broadview, IL Drilled By AQ
Equipment ☒ D - 50 ☐ H.A. ☐ Other Logged By CS

Elev., ft.	Description	Depth, ft.	20	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay,some silt,trace sand & gravel,damp,hard						6					
							12					
			11	SS	18"	14	26		14.6	118.1	5.6	
599.0'							9					
	Gray silt,some clay & sand,trace gravel,damp,dense		25	12	SS	18"	20	39	11.4			
							19					
596.5'							11					
	Gray fine sand,trace silt,very damp,dense			13	SS	18"	18	32	16.0			
							14					
	Gray silt,some sand,clay & gravel, damp,very dense						13					
			30	14	SS	18"	41	66	9.5			
							25					
590.5'												
	Gray fine sand & gravel,some medium-coarse sand,trace silt, very damp,very dense						31					
			35	15	SS	18"	41	79	9.9			
							38					
585.5'												
	Gray silt,some clay,trace sand, damp,very dense						28					
			40	16	SS	18"	50+	50+	14.5			

End of Boring
Water Level — depth,ft. elev., ft.
- while drilling: 9.0
- after drilling: 12.0
- hrs. after drilling:
F-111b-2
S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test(SPT), blows/ 6" interval W - water content, %
N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs/cu. ft.
Qu - unconfined compressive strength, tons/sq. ft.



File No. 26802 BORING LOG 2
Client Ciorba Group Sheet 3 of 3
Project 21st Street Bridge over Broadview, IL Date 3/16/23
Location Broadview, IL Drilled By AQ
Equipment ☒ D - 50 ☐ H.A. ☐ Other Logged By CS

Elev., ft.	Description	Depth, ft.	40	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray silt,some clay,trace sand, damp,very dense											
580.5'												
	Gray fine sand & gravel,some medium-coarse sand,very damp, very dense						17					
			45	17	SS	18"	36	70	7.7			
							34					
			50	18	SS	4"	50+	50+	8.3			
570.5'												
	Refusal at 52.5'											
	Weathered bedrock											
	End of Boring		55									
			60									

Water Level — depth,ft. elev., ft.
- while drilling: 9.0
- after drilling: 12.0
- hrs. after drilling:
F-111b-3
S - sample T - type: J(Jar), SS(split-spoon), ST(shelby tube) R - recovery length, in.
B - Standard Penetration Test(SPT), blows/ 6" interval W - water content, %
N - SPT, blows/foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs/cu. ft.
Qu - unconfined compressive strength, tons/sq. ft.



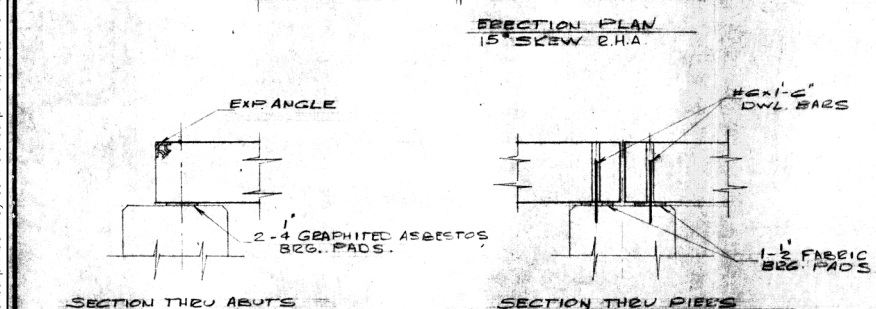
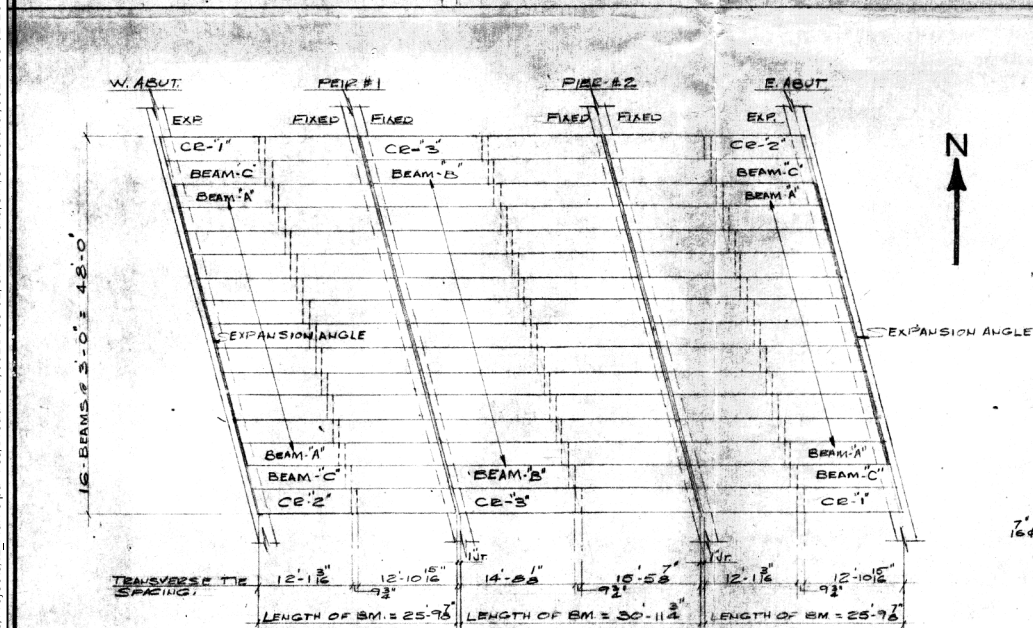
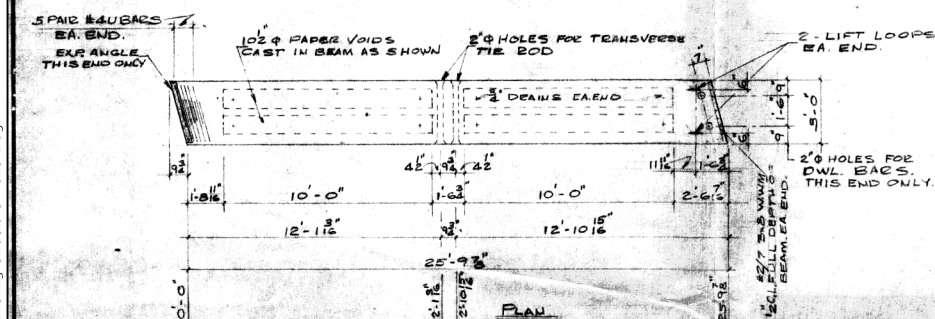
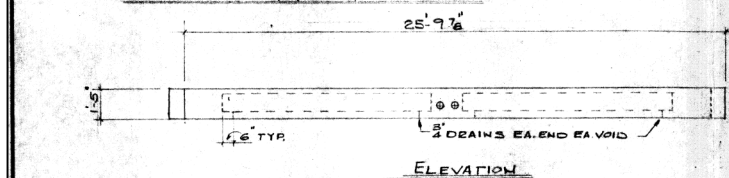
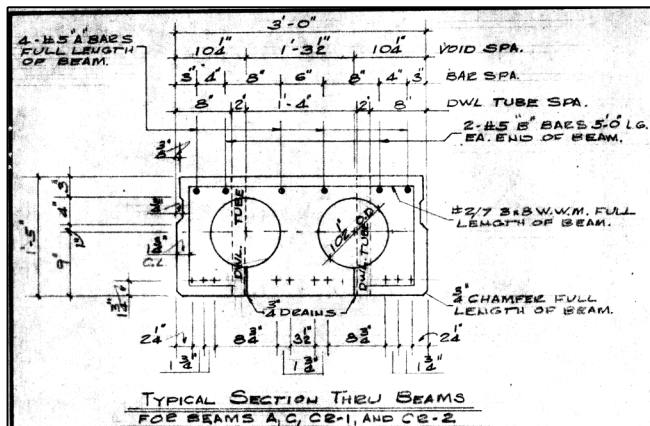
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	CHECKED - JMK	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 3
STRUCTURE NO. 016-6651

SHEET S-25 OF S-28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FAR	22-00086-00-BR	COOK	60	51
		CONTRACT NO.	61L82	
	ILLINOIS	FED. AID PROJECT		

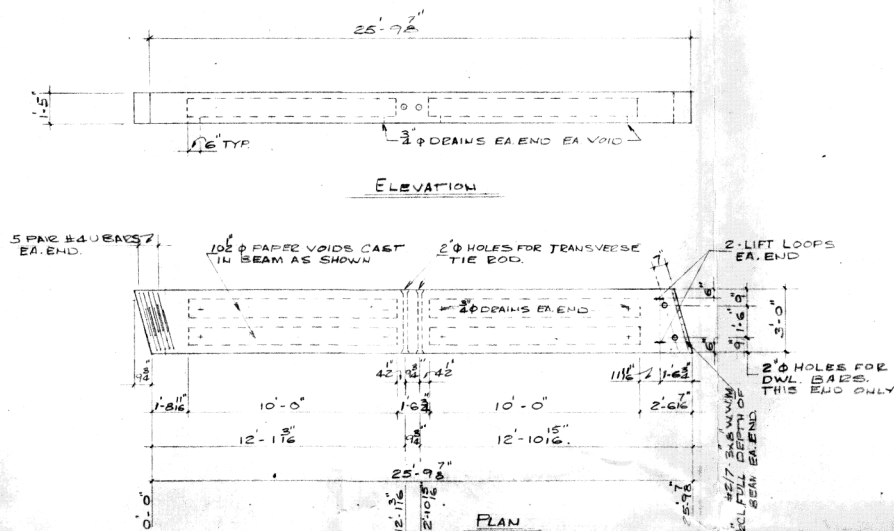
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PRODUCTION NOTE:
270⁵ STRAND USED

	JOB NO.
	4515
No	
REVISION	
DATE	
SHEET	
2 OF 8	

FOR INFORMATION ONLY

NOTE:
SEE SHT. 2 FOR SECTION SHOWING
STRAND PATTERN & REINFORCEMENT



BEAM C MAKE: 4
DATE POURED

1	3
2	4

GENERAL NOTES

THE TRANSVERSE TIE RODS, NUTS, SLEEVES
 & WASHERS SHALL BE HOT DIPPED GALVANIZED
 IN ACCORDANCE WITH ASTM A-153 AFTER
 FABRICATION.

STEEL FOR TRANSVERSE TIE RODS SHALL
 BE ASTM DESIGNATION A-306, GRADE 70 OR 80.
 DWEL BARS SHALL CONFORM TO ASTM
 A-306 OR A-615.

ALL WIRE MESH SHALL CONFORM TO ASTM A-185
 LOADS HS-20-44.

PRESTRESSING STEEL STRANDS SHALL CONFORM
 TO ASTM A-421. 270K STRAND USED.

CONCRETE SHALL BE 5,000 PSI AT 28 DAYS.
 SEE ILL. HIGHWAY STD. SPEC. SECTION 505.06.

RAIL POST ANCHOR DEVICE SHALL BE GALVAN-
 INZED IN ACCORDANCE WITH ASTM DESIGNATION A-123
 AND A-385.

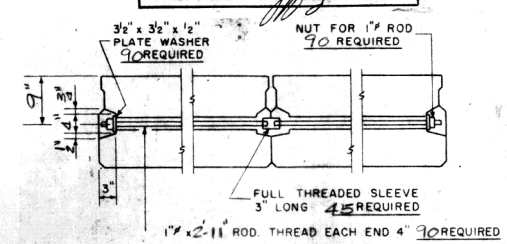
CONCRETE STRENGTH: 4,000 PSI 5
 RELEASE

BILL OF MATERIAL

BAR#	NO.	SIZE	LENGTH	SHAPE
A	128	#5	25'-7"	
B	128	#5	5'-0"	
C	128	#5	16'-6"	
D	64	#5	6'-8"	
U	960	#4	5'-0"	U

DWG. APPROVED
 128 16 FEB
 Subject to corrections marked herein for general detail only. Contractor shall be responsible for all dimensions, quantities, and discrepancies, and any unauthorized deviations from the original plans, details, specifications, and contract documents.
 EDWIN HANCOCK ENGINEERING COMPANY
 Date 6-5-74 By *Edwin P. ...*

INSERTS	
TYPE	NO. REQ'D
3/4" ROCKET	28



TYPICAL TRANSVERSE TIE ASSEMBLY

PRODUCTION NOTE

PAINT EXTERIOR SIDE OF EXPANSION
ANGLES WITH 2 COATS OF ILL. RED
LEAD PAINT AND INTERIOR SIDE WITH
1 COAT. DO NOT PAINT STUDS.

MODEL: sMODELNAME
FILE NAME: pwr/ciorba-pw-bentley.com/ciorba-pw-01/Documents/Projects/IL_Municipalities/Broadview/0021488.02/CADD_Data/Sht/Structural/0021488.02-26-Existing Structure Plans 2.dgn
7/23/2025 1:29:05 PM

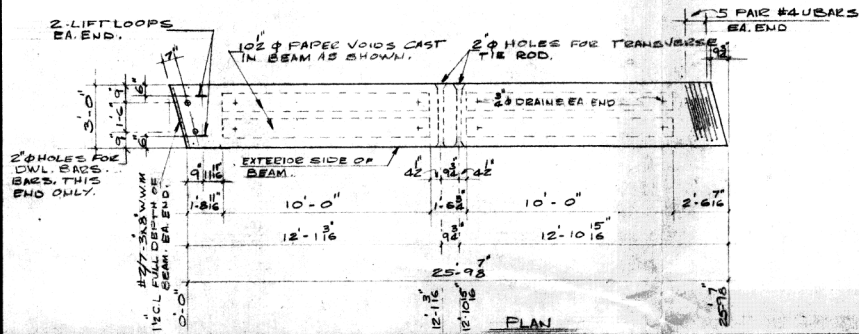
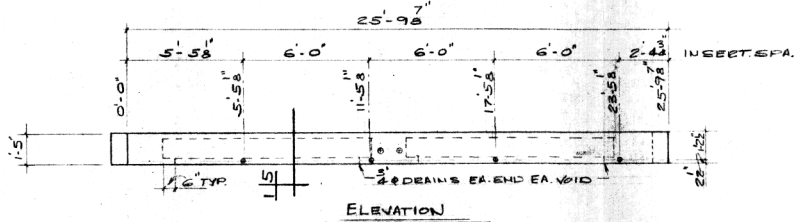
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SFAR	22-00086-00-BR	COOK	60	53
CONTRACT NO.				61L82
ILLINOIS FED. AID PROJECT				

NOTE
SEE SHT. 2 FOR SECTION SHOWING
STRAND PATTERN & REINFORCEMENT
SEE SHT. 5 FOR SECTION 1-5

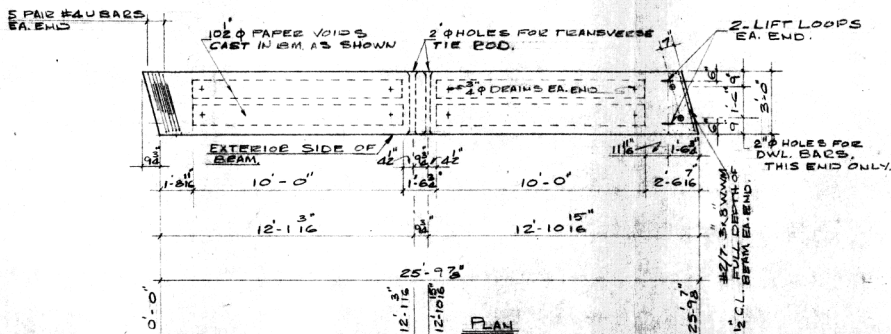
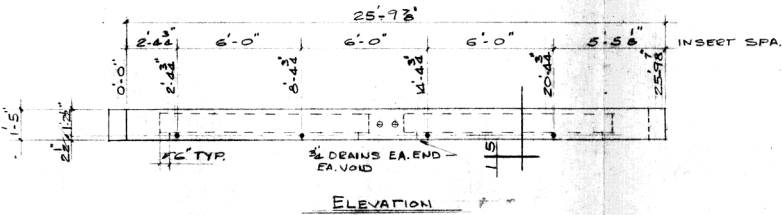
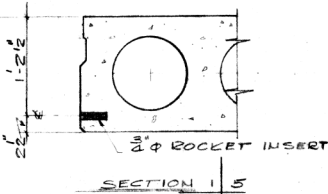
CE-1 MAKE: 2
DATE POURED
1 2

JOB NO.	4515
NO.	
REVISION	
DATE	
SHEET	6 OF 8



NOTE:
SEE SHT 2 FOR SECTION SHOWING
STRAND PATTERN & REINFORCEMENT

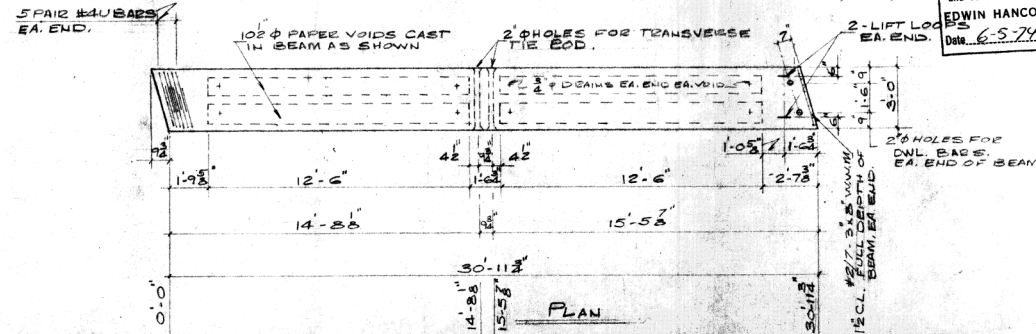
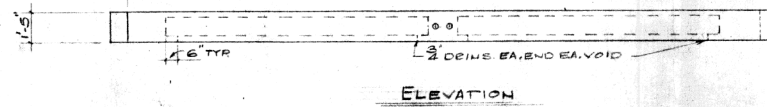
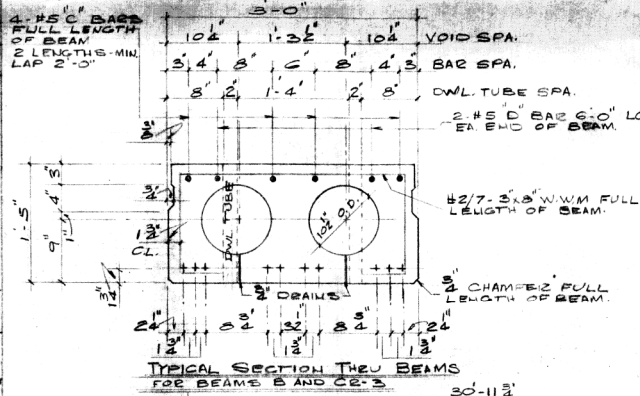
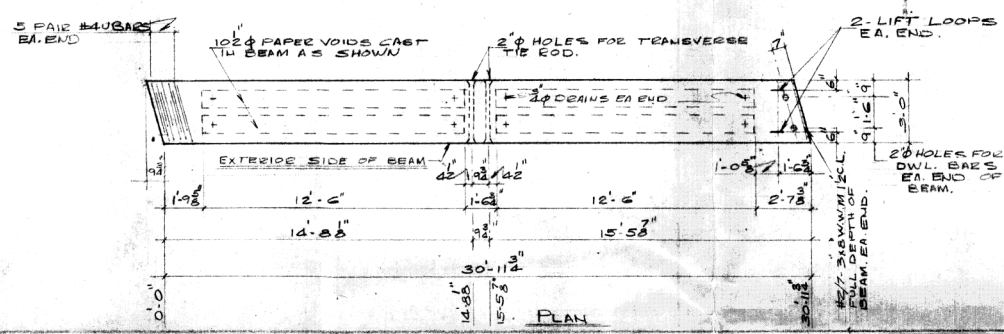
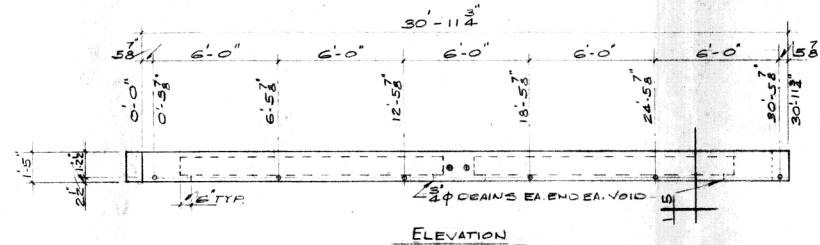
CE-2 MAKE: 2
DATE POURED
1 2



NOTE
SEE SHT. 4 FOR SECTION SHOWING
STRAND PATTERN & REINFORCEMENT
SEE SHT. 5 FOR SECTION 1-5

CE-3 MAKE: 2
DATE POURED
1 2

FOR INFORMATION ONLY



BEAM B MAKE: 14
DATE POURED

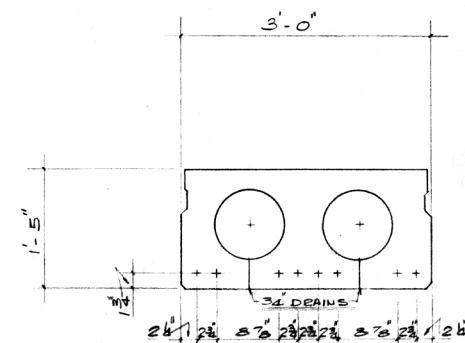
1	8
2	9
3	10
4	11
5	12
6	13
7	14

LOC FROM BOT. OF RM IN INCHES	NUMBER OF STRAND	CIR. OF BEAM	SIZE	TENSION IN LBS.
12	10	10	7/16	21700

PRODUCTION NOTES
2706 STRAND USED

APPROVED
Subject to corrections marked hereon for general detail only. Contractor shall be responsible for all dimensions, quantities, and discrepancies, and any unauthorized deviations from the original plans, details, specifications, and contract documents.
EDWIN HANCOCK ENGINEERING COMPANY
Date: 6-5-74 By: [Signature]

FOR INFORMATION ONLY



ALTERNATE STRAND PATTERN
FOR ALL BEAMS

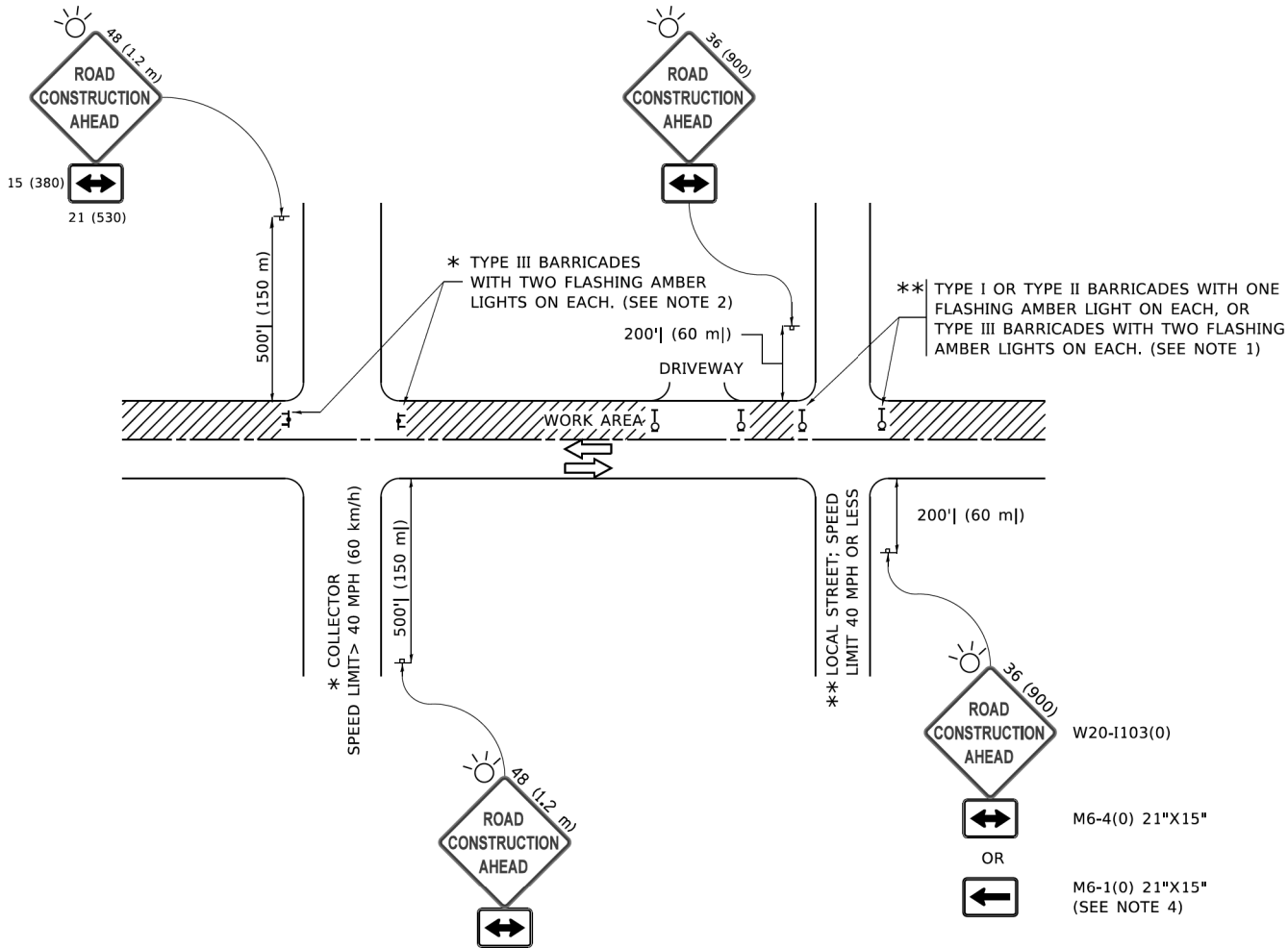
PRODUCTION NOTE
THIS IS A ALTERNATE
STRAND PATTERN

LOC. FROM BOT. OF BR. IN FEET	NUMBER OF STRAND END OF PLAN	SIZE OF STRAND	TENSION IN LBS.
1'-2"	8	8	12"

PRODUCTION NOTE!!
1/2" 270K STRAND USED

APPROVED
Subject to corrections marked hereon for general detail
only. Contract shall be responsible for all dimensions,
quantities, and discrepancies, and any unauthorized
deviations from the original plans, details, specifications,
and contract documents.
EDWIN HANCOCK ENGINEERING COMPANY
Date 6-5-14 By [Signature]

MODEL Default
FILE NAME: p:\u0084EB\DOT\Illinois.gov\PIWDOT\Documents\DOT_Offices\Bldg1\Projects\ID454272\34\CADDData\CADsheets\tc10.dgn



NOTES:

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

	USER NAME = footem]	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 01-06-00						4070	22-00086-00-BR	COOK	60	55
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13						TC-10		CONTRACT NO. 61L82		
	PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16						ILLINOIS		FED. AID PROJECT		

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FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

NORTH

M3-1-2412

EAST

M3-2-2412

SOUTH

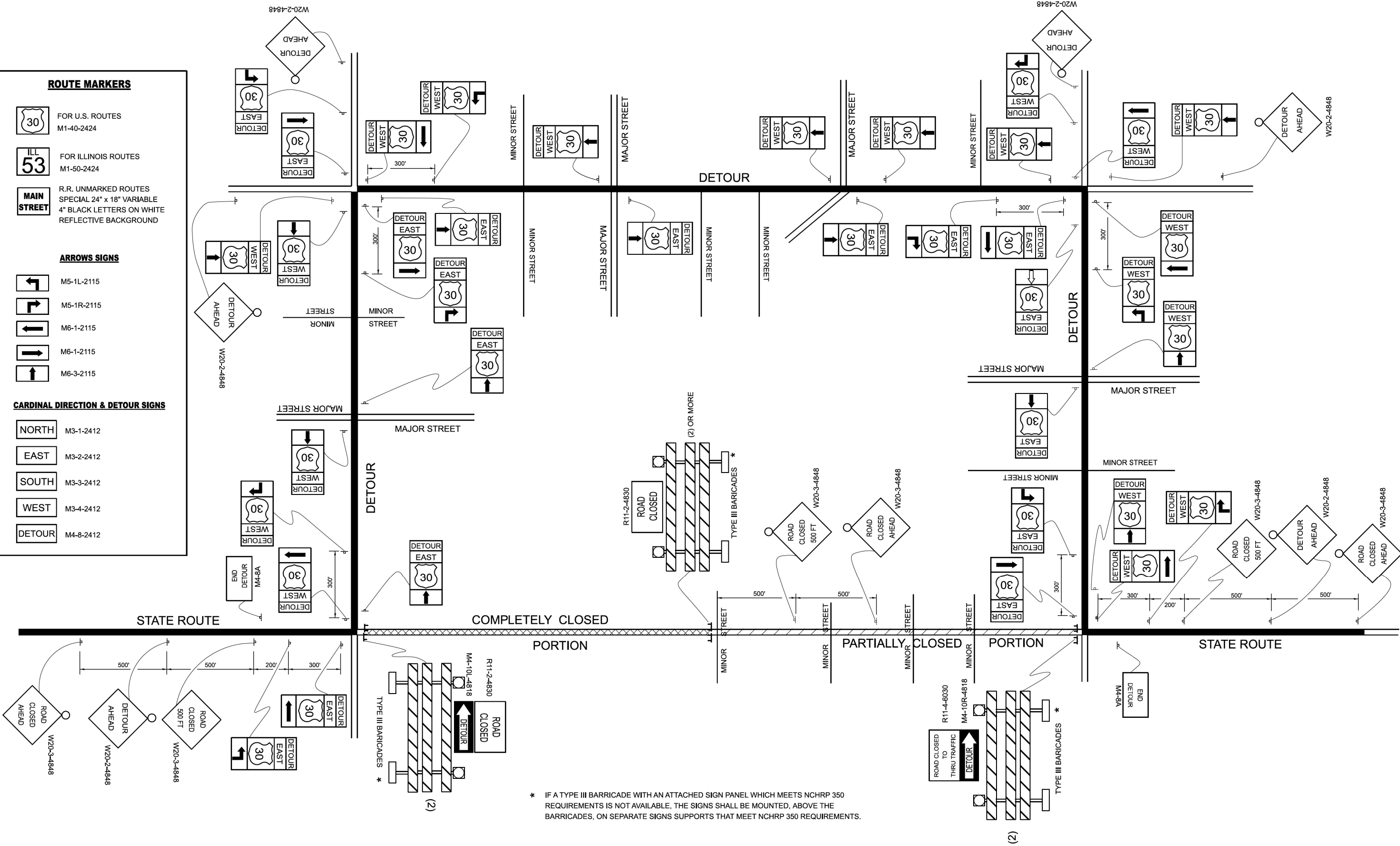
M3-3-2412

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.

USER NAME = brad.gagliano	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R.BORO 09-14-09
PLOT SCALE = 0.08333317' / in.	CHECKED -	REVISED -
PLOT DATE = 8/30/2023	DATE -	REVISED -

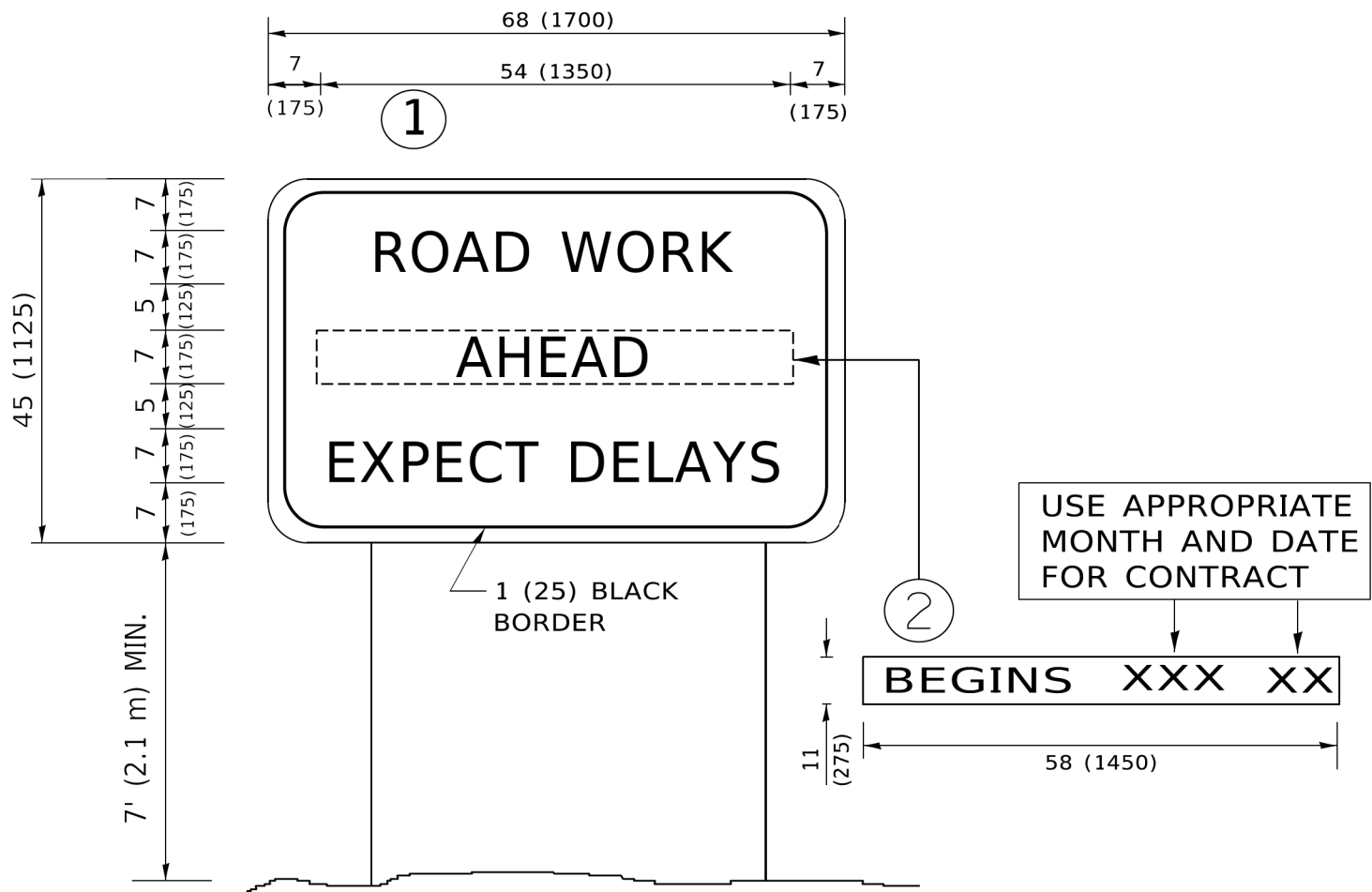
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.
4070	22-00086-00-BR	COOK	60	56
TC-21		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		

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NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

	USER NAME = foitem]	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97						4070	22-00086-00-BR	COOK	60	57
	PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99						TC-22		CONTRACT NO. 61L82		
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07						ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.					

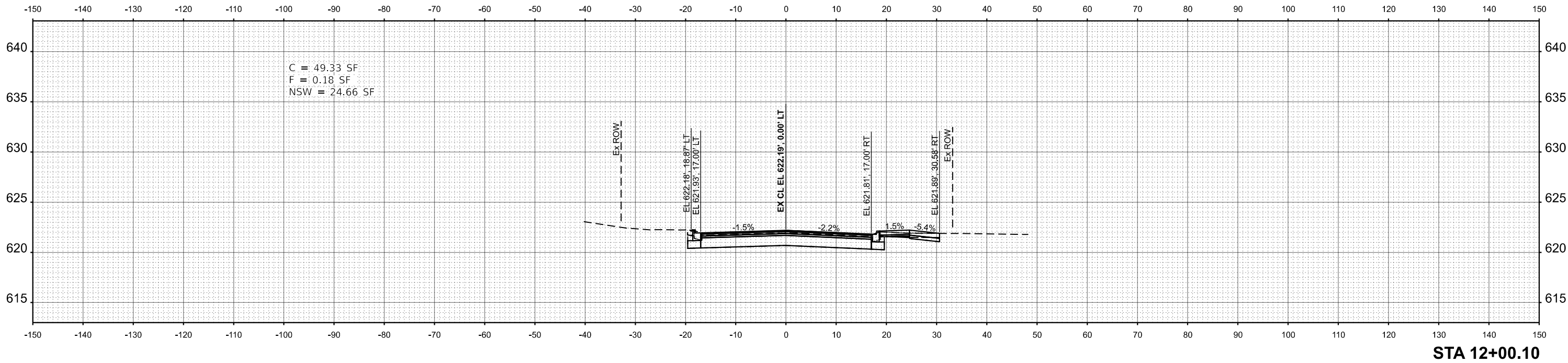
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	SURVEYED _____				
	PLOTTED _____				
	TEMPLATE _____				
	AREAS _____				
	AREAS CHECKED _____				
NO. _____					

CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

21ST STREET OVER ADDISON CREEK CROSS SECTIONS

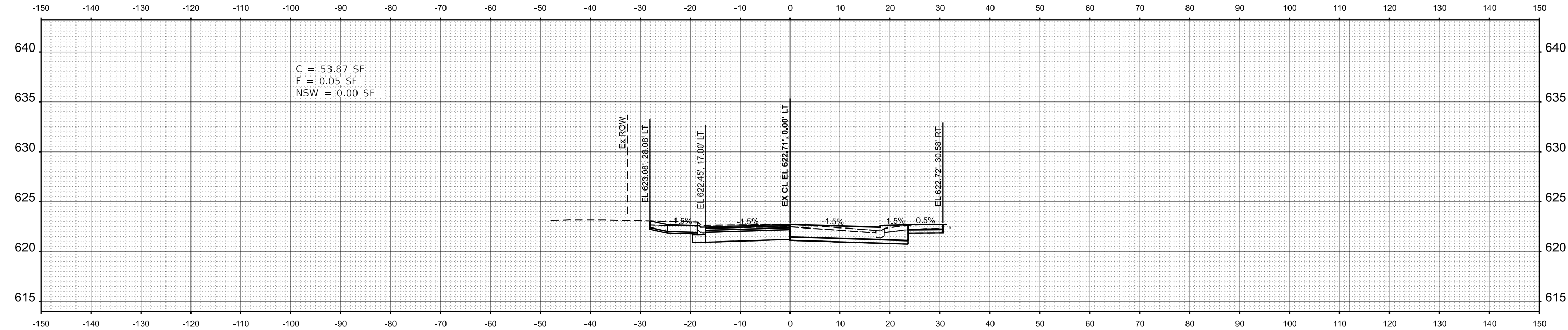
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4070	22-00086-00-BR	COOK	60	58
		CONTRACT NO. 61L82		
ILLINOIS		FED. AID PROJECT		



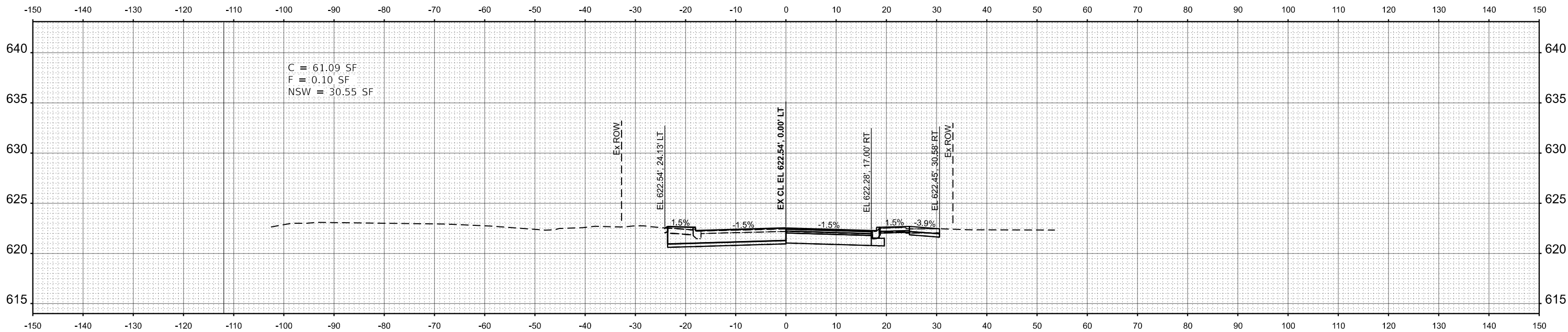
FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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STA 14+27.22



STA 12+76.29



USER NAME = theuer	DESIGNED - TBH	REVISED -
	DRAWN - EPS	REVISED -
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PLOT DATE = 7/17/2025	DATE - 7/28/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK
CROSS SECTIONS

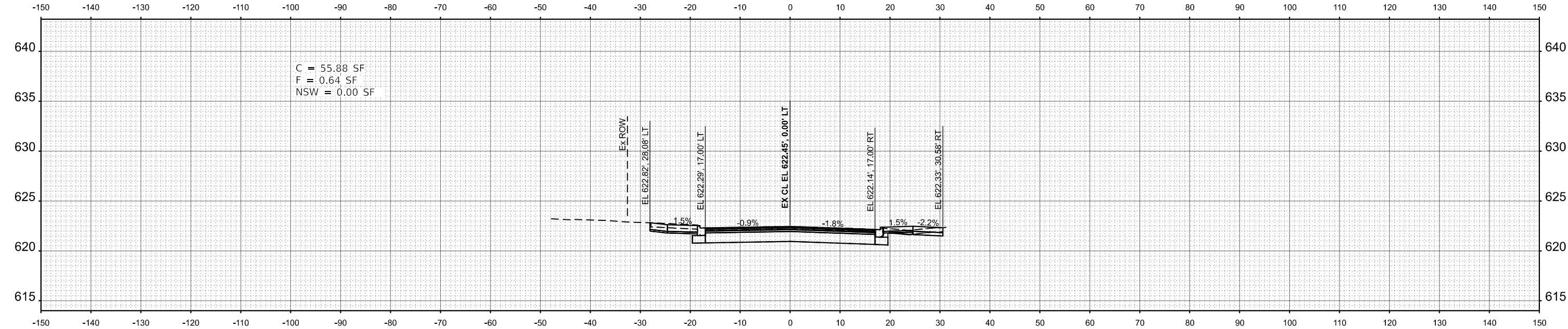
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	59
CONTRACT NO.				61182
ILLINOIS		FED. AID PROJECT		

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

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NOTE BOOK			
NO. _____			

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C = 55.88 SF
F = 0.64 SF
NSW = 0.00 SF

STA 14+54.90



USER NAME = theuer	DESIGNED - TBH	REVISED -
	DRAWN - EPS	REVISED -
PLOT SCALE = 0.16666667' / in.	CHECKED - AMS	REVISED -
PLOT DATE = 7/17/2025	DATE - 7/28/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21ST STREET OVER ADDISON CREEK
CROSS SECTIONS

SCALE: 1"=10' SHEET OF SHEETS STA. 14+55.00 TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4070	22-00086-00-BR	COOK	60	60
		CONTRACT NO.		61L82
ILLINOIS		FED. AID PROJECT		