

06-17-2022 LETTING ITEM 185

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	1
		ILLINOIS	CONTRACT NO. 61H78	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

THIS PROJECT PASSES THROUGH:

CITY OF CHICAGO
CITY OF PARK RIDGE

TRAFFIC DATA

DES PLAINES RIVER TRAIL, ADT=1,000 USERS PER DAY (2022)
BRYN MAWR AVENUE, ADT=5,950 VPD, 30 MPH POSTED SPEED
EAST RIVER ROAD, ADT=14,800 VPD, 35 MPH POSTED SPEED
HIGGINS ROAD, ADT=22,200 VPD, 45 MPH POSTED SPEED
DEE ROAD, ADT=14,800 VPD, 45 MPH POSTED SPEED

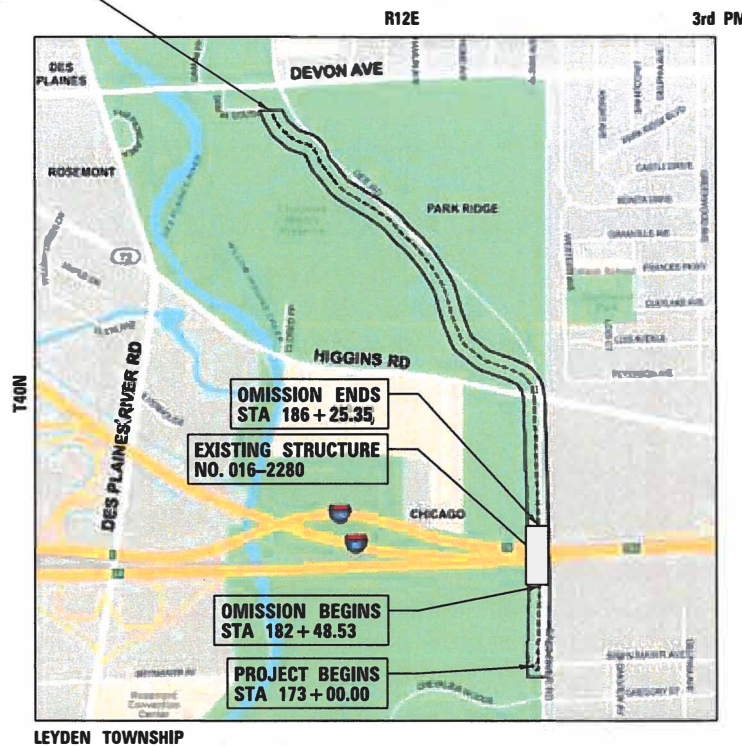
PROPOSED
HIGHWAY PLANS

DES PLAINES RIVER TRAIL SEGMENT 2
SECTION 17-00034-00-BT
PROJECT #MC6P(813)
SHARED-USE PATH RECONSTRUCTION
COOK COUNTY

C-91-039-22



PROJECT ENDS
STA 237+53.30



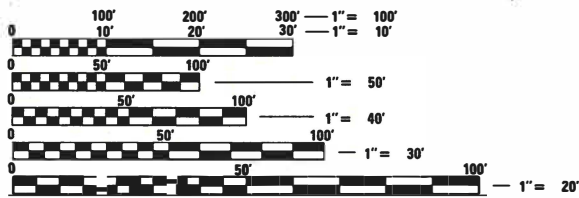
LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 6,453.30 FT. = 1.22 MILE
NET LENGTH = 6,076.48 FT. = 1.15 MILE

To the best of my knowledge and belief, the drainage of surface waters will not be changed by the proposed development. If any drainage patterns will be changed, reasonable provisions have been made for the collection and diversion of such surface waters into the public area, or drains approved for the use by the municipal engineer, and that such surface waters are planned for in accordance with generally accepted engineering practices so as to reduce the likelihood of damages to adjoining properties.

MARTIN C. WORMAN
062-051360 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
DATE: 03/07/2022
MARTIN C. WORMAN
ILLINOIS REGISTRATION No. 062-051360
EXPIRATION DATE: 11/30/2023

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>Chris Ketting</i> APRIL 12, 2022 DIRECTOR OF PLANNING AND DEVELOPMENT FOREST PRESERVE DISTRICT OF COOK COUNTY
APPROVED	<i>Lisa Demelle</i> APRIL 11, 2022 DIRECTOR OF PUBLIC UTILITIES VILLAGE OF ROSEMONT
PASSED	APRIL 19, 2022 <i>C.H. Riddle</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	APRIL 19, 2022 <i>Jose Probst</i> REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 61H78

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

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022: THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE "DETAILS" IN THE PLANS, AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.
3. THE CONTRACTOR SHALL LIMIT HIS/HER CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
4. THE CONTRACTOR SHALL NOTIFY THE FPDC REPRESENTATIVE AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
5. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED.
6. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.
7. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE 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 ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
8. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
9. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
10. 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.
11. IF ANY EXISTING PAVEMENT MARKINGS AND/OR SIGNING ALONG EAST RIVER ROAD ARE DISTURBED DUE TO THE CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG EAST RIVER ROAD, THE CONTRACTOR SHALL REPLACE THE DISTURBED TRAFFIC CONTROL DEVICES PER IDOT AND IDOT DISTRICT 1 STANDARDS FOR PAVEMENT MARKING AND SIGNING.
12. DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG EAST RIVER ROAD, EAST RIVER ROAD SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY REQUIRES ENCROACHMENT INTO THE LANE OPEN FOR TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTED TO WITHIN THE HOURS OF 8:30 AM TO 4:30 PM ONLY BY FOLLOWING THE APPLICABLE IDOT AND IDOT-DISTRICT 1 TRAFFIC CONTROL STANDARDS.
13. **UTILITIES**
 (A) ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING BUT NOT LIMITED TO SANITARY AND STORM SEWERS, WATER MAINS AND THEIR RESPECTIVE SERVICE LINES, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. UNDERGROUND FACILITIES REPRESENTS ONLY THE OPINION OF THE VILLAGE, AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL UTILITIES AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THE

CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT (800) 892-0123, AND ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION.

- (B) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.

14. STORM SEWER CONSTRUCTION

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.

- 15. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.**

16. SOIL EROSION AND SEDIMENT CONTROL

(A) SOIL EROSION AND SEDIMENT CONTROL (SESC) FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.

(B) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED AT MINIMUM ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. A COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MUST BE MAINTAINED ON THE SITE AT ALL TIMES.

(C) THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. ALL ADDITIONAL MEASURES MUST BE IN PLACE WITHIN 3 DAYS OF DISTURBANCE AND ANY EMERGENCY SESC MEASURES MUST BE INSTALLED IMMEDIATELY.

(D) THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREAS AS THE PROJECT PROGRESSES, AND INSTALL TEMPORARY OR PERMANENT EROSION PROTECTION TO CONTROL SOIL EROSION, OR INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE TRACK-OUT MATERIAL.

(E) ACCESS TO THE WORK AREA WILL ONLY BE ALLOWED FROM STABILIZED CONSTRUCTION ENTRANCES. ANY SOIL REACHING PUBLIC OR PRIVATE ROADWAYS MUST BE REMOVED IMMEDIATELY.

(F) DURING DE-WATERING/PUMPING OPERATIONS, ONLY UNCONTAMINATED WATER SHOULD BE ALLOWED TO DISCHARGE TO PROTECTED NATURAL AREAS, WATERS OF THE STATE, OR TO A STORM SEWER SYSTEM (IN ACCORDANCE WITH LOCAL PERMITS). INLET HOSES SHOULD BE FLOATED AT THE SURFACE OF THE WATER IN ORDER TO LIMIT THE AMOUNT OF SEDIMENT INTAKE. PUMPING OPERATIONS MAY BE DISCHARGED TO A STABILIZED AREA THAT CONSISTS OF AN ENERGY DISSIPATING DEVICE (E.G., STONE), SEDIMENT FILTER BAG, OR BOTH. ADEQUATE EROSION AND SEDIMENT CONTROLS SHOULD BE USED DURING DE-WATERING OPERATIONS AS NECESSARY. DEWATERING SEDIMENT LADEN WATER DIRECTLY INTO FIELD TILES, STORM WATER STRUCTURES, OR "WATERS OF THE US" IS PROHIBITED.

(G) CONSTRUCTION ACTIVITIES MUST BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED. IN NO CASE WILL THE EXISTING VEGETATION BE DESTROYED, REMOVED, OR DISTURBED MORE THAN FOURTEEN (14) DAYS PRIOR TO THE INITIATION OF IMPROVEMENTS.

(H) ALL DISTURBED SOILS ARE TO BE STABILIZED, TEMPORARILY OR PERMANENTLY, WITHIN SEVEN (7) DAYS OF CONSTRUCTION ACTIVITY HAVING CEASED IF THE SOIL IS TO REMAIN UNDISTURBED FOR MORE THAN FOURTEEN (14) DAYS.

HIGHWAY STANDARDS

- 000001 - 08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 424001 - 11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011 - 04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 601001 - 05 PIPE UNDERDRAINS
- 601101 - 02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS
- 606001 - 08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 630116 BACK SIDE PROTECTION OF GUARDRAIL
- 701101 - 05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106 - 02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701427 - 05 LANE CLOSURE, MULTI-LANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH
- 701601 - 09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701701 - 10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801 - 06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901 - 08 TRAFFIC CONTROL DEVICES
- 720001 - 01 SIGN PANEL MOUNTING DETAILS
- 720006 - 04 SIGN PANEL ERECTION DETAILS
- 720016 - 04 MAST ARM MOUNTED STREET NAME SIGNS
- 728001 - 01 TELESCOPING STEEL SIGN SUPPORT
- 782006 - 01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 805001 - 01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001 - 03 HANDHOLES
- 857001 - 01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001 - 01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 873001 - 02 TRAFFIC SIGNAL GROUNDING & BONDING
- 877001 - 08 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 878001 - 11 CONCRETE FOUNDATION DETAILS
- 880006 - 01 TRAFFIC SIGNAL MOUNTING DETAILS

DISTRICT ONE DETAILS

- BD600-10 (BD 34) DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.
- BD-51 BENCHING DETAIL FOR EMBANKMENT WIDENING
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC-22 ARTERIAL ROAD INFORMATION SIGN

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COMMITMENTS

WETLANDS SHOULD BE PROTECTED DURING CONSTRUCTION, UTILIZING EROSION CONTROL BARRIER AND HIGH VISIBILITY FENCING.

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 GENERAL NOTES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROSEMONT\860001.2127A\Civil\NOT_2127A	01.SHT	DRAWN -	REVISED -							17-00034-00-BT	COOK	137	2	
Default		CHECKED -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		
	PLOT DATE = 4/26/2022	DATE -	REVISED -											ILLINOIS FED. AID PROJECT

A. REFERENCED SPECIFICATIONS

- 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;
 - CITY OF PARK RIDGE 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.

B. NOTIFICATIONS

- 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).
- THE CITY OF PARK RIDGE 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.
- 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.T.E. AT 1-800-892-0123.

C. GENERAL NOTES

- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS $\frac{1}{3.28084}$ FT.
- THE ENGINEER IN COORDINATION WITH THE MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE TO THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- 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.
- 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.
- 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.
- 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.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- 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.

D. SANITARY SEWER

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- 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.
- 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 BY THE ENGINEER IN COORDINATION WITH THE MUNICIPALITY AND/OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL PIPE SPECIFICATIONS JOINT SPECIFICATIONS

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)		
	ASTM D-3350	ASTM D-3261, F-2620 (HEAT FUSION)
	ASTM D-3035	ASTM D-3212, F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

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.

PIPE MATERIAL PIPE SPECIFICATIONS JOINT SPECIFICATIONS

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 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.
- NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
- 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.
- 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 CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
 - REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 - WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- 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.
- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- 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.
- 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.
- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- 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.
- 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.

E. EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 - 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.
- 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.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- 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.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- 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.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- 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.
- 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.
- THE CONTRACTOR 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 LOADED WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- 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.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- 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.



TECHNICAL GUIDANCE MANUAL
MWRD GENERAL NOTES

07/12/2016

STD. DWG. NO.18

PAGE NO. 19

FILE NAME = N:\ROSEMONT\860001.2127A\Civil\NOT.2127A	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 MWRD GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 28'	CHECKED -	REVISED -			17-00034-00-BT	COOK	137	3		
	PLOT DATE = 4/26/2022	DATE -	REVISED -			CONTRACT NO. 61H78					
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CITY OF CHICAGO GENERAL NOTES

GENERAL

1. EVERY SUBMITTAL SHALL INCLUDE A SUMMARY TABLE OF THE ITEMS REQUIRED TO BE SUBMITTED FOR THE ASSOCIATED PAY ITEM. ITEMS INCLUDED IN EACH SUBMITTAL SHALL BE HIGHLIGHTED IN THE TABLE. INITIAL SUBMITTAL SHALL INCLUDE A COPY OF THE ASSOCIATED SPECIAL PROVISION(S) AND PLAN SHEET(S). REVIEW PERIOD WILL BEGIN AFTER ALL ITEMS HAVE BEEN SUBMITTED. PRIOR TO INSTALLATION, CONTRACTOR SHALL FURNISH A COLOR PDF OF THE ENTIRE SUBMITTAL PACKAGE CONTAINING ONLY THE FINAL VERSION OF EACH SUBMITTED ITEM (PHOTOS OF MOCK-UPS AND SAMPLES), THE ASSOCIATED "REVIEWED WITHOUT COMMENT" RESPONSE, AND A COPY OF THE ASSOCIATED SPECIAL PROVISION(S) AND PLAN SHEET(S).
2. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE CHICAGO DEPARTMENT OF TRANSPORTATION (CDOT) MUST BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR MUST PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE ENGINEER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
3. AS-BUILT PLANS MUST BE SEALED BY A PROFESSIONAL ENGINEER OR REGISTERED LAND SURVEYOR AND BE SUBMITTED. PLAN AND PROFILE DRAWINGS OF THE SEWERS AND SEWER STRUCTURES MUST BE SUBMITTED IN A FILE FOLDER WITH ONE FILE NAME REFLECTING THE ADDRESSES OF THE PROJECT, WITH STREET NAME FIRST. A HARD COPY OF THE AS-BUILT PLANS MUST ALSO BE SUBMITTED.
4. ROADWAY RECONSTRUCTION INCLUDING PAVEMENT REMOVAL, ROADWAY RESURFACING, DRAINAGE IMPROVEMENTS, SIDEWALKS, ADA RAMPS, CURB & GUTTER, LANDSCAPING, AND TRAFFIC SIGNALS SHOULD CONFORM WITH CDOT CONSTRUCTION STANDARD DETAILS.

DRAINAGE

5. RECORDS OF THE DEPARTMENT OF WATER MANAGEMENT DISCLOSING EXISTING SEWERS/DRAIN CONNECTIONS/STRUCTURES/BENCH MONUMENT LOCATIONS/ORDINANCE GRADES/AGE OF SEWERS/PIPE MATERIAL ARE AVAILABLE FROM THE DEPARTMENT OF WATER MANAGEMENT LOCATED AT CITY HALL, 121 N. LASALLE ST. ROOM 804 CHICAGO, IL 60602.
6. IT IS THE RESPONSIBILITY OF THE UTILITY/AGENCY, ITS DESIGNERS AND CONTRACTORS TO OBTAIN NECESSARY INFORMATION FROM DEPARTMENT OF WATER MANAGEMENT RECORDS FOR MEETING DEPARTMENT OF WATER MANAGEMENT REQUIREMENTS IN DESIGN DRAWINGS/CONTRACT PLANS AND DURING CONSTRUCTION STAGE.
7. THE RESIDENT ENGINEER AND THE CONTRACTOR WILL FIELD-VERIFY THE CITY'S EXISTING SEWER FACILITIES IN THE LIMITS OF THE REFERENCED PROJECTS FOR ANY CONFLICTS DUE TO THE PROPOSED IMPROVEMENTS AND DISCUSS WITH THE DEPARTMENT OF WATER MANAGEMENT IN ADVANCE FOR CONFLICT RESOLUTIONS PRIOR TO THE START OF CONSTRUCTION.
8. IN THE CASE OF ANY DISTURBANCE OR DAMAGE TO THE CITY'S SEWER SYSTEM/PRIVATE AND PUBLIC DRAIN CONNECTIONS/SEWER STRUCTURES OR BENCH MONUMENTS DURING CONSTRUCTION BY THE CONTRACTOR, THE CONTRACTOR MUST CONTACT THE DEPARTMENT OF WATER MANAGEMENT IMMEDIATELY AT (312) 747-7892 OR (312) 747-7893. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AND REPLACE THE DAMAGED FACILITIES TO THE SATISFACTION OF THE DEPARTMENT OF WATER MANAGEMENT. THE SEWER FLOW MUST BE MAINTAINED AT ALL TIMES.
9. PRIOR TO STARTING CONSTRUCTION AN INSPECTION OF EXISTING MANHOLES AND CATCH BASINS WILL BE MADE BY THE CITY OF CHICAGO AND THE CONTRACTOR TO DETERMINE THE AMOUNT OF EXISTING DEBRIS IN THESE STRUCTURES. UPON COMPLETION OF THE CONTRACT, THE CONTRACTOR MUST CLEAN THOSE STRUCTURES WHERE DEBRIS HAS BEEN ADDED DUE TO CONSTRUCTION.
10. UPON PROJECT COMPLETION, THE CONTRACTOR MUST PROVIDE THE SEWER UNIT OF THE DWM, FOR REVIEW AND ACCEPTANCE, ANY REQUIRED DVD OF THESE SEWER MAINS.

UTILITIES

11. EXCEPT AS NOTED ON THE PLANS, IN THE GENERAL NOTES, AND IN THE SPECIFICATIONS, UTILITY RELOCATION OR ADJUSTMENT WILL BE PERFORMED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AND WILL NOT BE CONSIDERED PART OF THIS CONTRACT. THE CONTRACTOR WILL NOTIFY THE AFFECTED UTILITY OWNERS AND COORDINATE CONSTRUCTION SCHEDULES WITH THE UTILITY. THE UTILITY COMPANIES OR THEIR CONTRACTORS MUST PERFORM THE REQUIRED ADJUSTMENT TO THEIR UTILITIES.
12. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
13. REMOVAL, DISPOSAL, AND CAPPING OF ALL ENCOUNTERED ABANDONED UTILITY LINES WILL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED OR INSTALLED. NO SEPARATE PAYMENT WILL BE MADE.

WATER MAIN AND SERVICES

14. AT A MINIMUM, THE CONTRACTOR IS REQUIRED TO DO THE FOLLOWING, UNLESS CDOT'S REQUIREMENTS ARE MORE STRINGENT. THE CONTRACTOR IS REQUIRED TO DO TEST HOLES OVER ANY WATER MAIN OR SERVICE THAT IS TO BE DIRECTIONALLY BORED ACROSS. THE

TEST HOLES MUST BE EXCAVATED TO A MINIMUM DEPTH OF THE PROPOSED FACILITY INSTALLATION. A PICTURE OF THE INSTALLED FACILITY AT EACH CROSSING MUST BE SUBMITTED TO THE DWM THAT CLEARLY INDICATES THE DATE, DEPTH OF THE FACILITY, OUC FILE NUMBER, AND THE LOCATION OF THE CROSSING ON EACH PICTURE. ALL PICTURES OF THE CROSSINGS ARE TO BE SUBMITTED TOGETHER (AT ONE TIME) TO FACM@CTRWATER.NET. FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS.

LANDSCAPING

15. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES THAT ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOTS OR TRUNKS. WHERE TREE IS TO REMAIN NO EXCAVATION IS PERMITTED MORE THAN ONE FOOT (1') FROM THE BACK OF PROPOSED CURB AND GUTTER. EXCAVATION MUST BE BY HAND IF ROOTS ARE PRESENT.
16. CONTRACTOR SHALL RECEIVE COMMISSIONER'S APPROVAL PRIOR TO REMOVAL OF EXISTING SHRUBS. SHRUB REMOVAL SHALL BE COORDINATED WITH ENGINEERING LANDSCAPE MAINTENANCE FOR POSSIBLE TRANSPLANTING.

PAVEMENTS AND SIDEWALK

17. ONE-HALF INCH (1/2") THICK EXPANSION JOINTS MUST BE PLACED BETWEEN THE SIDEWALK, AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS AND MANHOLES WHICH EXTEND THROUGH THE SIDEWALK.
18. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, AND MEDIANS SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
19. THE ENGINEER IN COORDINATION WITH THE COMMISSIONER WILL DETERMINE THE LIMITS OF ALL ITEMS TO BE REMOVED AND REPLACED. THE VARIOUS ITEMS SHOWN ON THE PLANS TO BE REMOVED AND REPLACED WILL NOT BE USED TO DETERMINE THE FINAL QUANTITIES. FINAL QUANTITIES WILL BE DETERMINED FROM FIELD MEASUREMENTS OF ACTUAL WORK AS DESIGNATED BY THE ENGINEER IN COORDINATION WITH COMMISSIONER.
20. CONTRACTOR MUST CHECK CDOT WEBSITE FOR THE MOST CURRENT ADA DESIGN SHEETS AND DETAILS. IF DESIGN SHEETS OR DETAILS ARE MORE CURRENT THAN THOSE IN THE CONSTRUCTION DOCUMENTS THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER WHO WILL COORDINATE WITH THE COMMISSIONER.
21. WHENEVER A PORTION OF THE EXISTING SIDEWALK IS REMOVED, THE CONTRACTOR MUST SAWCUT AND REMOVE THE SIDEWALK AS DIRECTED BY THE ENGINEER.
22. WHERE APPLICABLE, A COMBINATION OF DIFFERENT SIZE DETECTABLE WARNING TILES MAY BE USED ON COMPOUND AND LARGE RADII. CONTRACTOR MUST MAKE THIS DETERMINATION IN THE FIELD.
23. 10 DAYS PRIOR TO PLACING CONCRETE FOR DEPRESSED CURBS AND RAMPS, THE CONTRACTOR MUST NOTIFY THE ENGINEER. LAYOUT APPROVAL MUST BE RECEIVED FROM THE ENGINEER IN COORDINATION WITH THE COMMISSIONER PRIOR TO POUR.
24. DOWEL BARS SHALL BE EPOXY COATED ACCORDING TO ASTM A 1078, EXCEPT PATCHING OF THE ENDS WILL NOT BE REQUIRED. THE EPOXY COATING APPLICATOR SHALL BE CERTIFIED ACCORDING TO THE BUREAU OF MATERIALS POLICY MEMORANDUM, "EPOXY COATING PLANT CERTIFICATION PROCEDURE".

SIGNAGE

25. ALL STREET SIGNAGE REMOVED FOR CONSTRUCTION MUST BE CONSOLIDATED AND STORED AT A CENTRAL LOCATION ON SITE. THIS LOCATION MUST BE FORWARDED TO CDOT'S RESIDENT ENGINEERS FOR THEIR USE. ONCE SUBSTANTIAL COMPLETION IS REACHED, THE CONTRACTOR MUST COORDINATE WITH RESIDENT ENGINEERS TO REINSTALL STREET SIGNAGE IN A TIMELY MANNER.

CONSTRUCTION STAGING AND TRAFFIC MANAGEMENT

26. THE CONTRACTOR MUST FURNISH AND MAINTAIN AUTOMOTIVE VEHICLES. THE CONTRACTOR'S VEHICLES MUST ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC. THESE VEHICLES MUST ENTER OR LEAVE WORK AREAS IN A MANNER WHICH MUST NOT BE HAZARDOUS TO OR INTERFERE WITH NORMAL TRAFFIC AND MUST NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES MUST NOT BE PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN SPECIFIC AREAS DESIGNATED BY CDOT.
27. NEITHER THE CITY NOR THE ENGINEER WILL ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTORS. ADDITIONALLY, NEITHER THE CITY NOR THE ENGINEER WILL ADVISE, OR, ISSUE DIRECTIONS CONCERNING ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND/ OR PROGRAMS IN CONNECTION WITH WORK.

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 CITY OF CHICAGO GENERAL NOTES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\860001.2127A\Civil\NOT.2127A	01.SHT	DRAWN -	REVISED -				17-00034-00-BT	COOK	137	4		
Default	PLOT SCALE = 28'	CHECKED -	REVISED -							CONTRACT NO. 61H78		
	PLOT DATE = 4/26/2022	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ITEP FUNDS 80% FEDS / 20% STATE	
						FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
	*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	125	125	
	*	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	3665	3665	
		35101582	AGGREGATE BASE COURSE, TYPE B 2"	SQ YD	3283	3283	
		35101598	AGGREGATE BASE COURSE, TYPE B 3"	SQ YD	3210	3210	
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	101	101	
		42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	25657	25657	
		42400800	DETECTABLE WARNINGS	SQ FT	151	151	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	119	119	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	362	362	
		44000600	SIDEWALK REMOVAL	SQ FT	77	77	
		48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	41	41	
		60600605	CONCRETE CURB, TYPE B	FOOT	132	132	
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	487	487	
△		63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	75	75	
△		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
		63200310	GUARDRAIL REMOVAL	FOOT	1858	1858	

SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ITEP FUNDS 80% FEDS / 20% STATE	
						FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10	
		67100100	MOBILIZATION	LSUM	1	1	
Δ	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25	
Δ	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
Δ	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
Δ	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
Δ	*	66901006	REGULATED SUBSTANCES MONITORING	DAYS	5	5	
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	90	90	
Δ		72000100	SIGN PANEL - TYPE 1	SQ FT	16	16	
Δ		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	8	8	
Δ		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
Δ		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	9	9	
Δ		72900100	METAL POST - TYPE A	FOOT	45	45	
Δ		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	786	786	
Δ		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	322	322	
Δ		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	917	917	

SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ITEP FUNDS 80% FEDS / 20% STATE	
						FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
Δ		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50	50	
Δ		78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	4	4	
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ.FT	100	100	
Δ	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	46	46	
Δ	*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	68	68	
Δ	*	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	180	180	
Δ	*	84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7	
Δ	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
Δ	*	85000205	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1	1	
Δ		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1094	1094	
Δ		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1141	1141	
Δ		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	397	397	
Δ	*	87301291	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 4C	FOOT	41	41	
Δ	*	87301800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	389	389	
Δ	*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	273	273	
Δ	*	87502710	TRAFFIC SIGNAL POST, ALUMINUM 17 FT.	EACH	1	1	

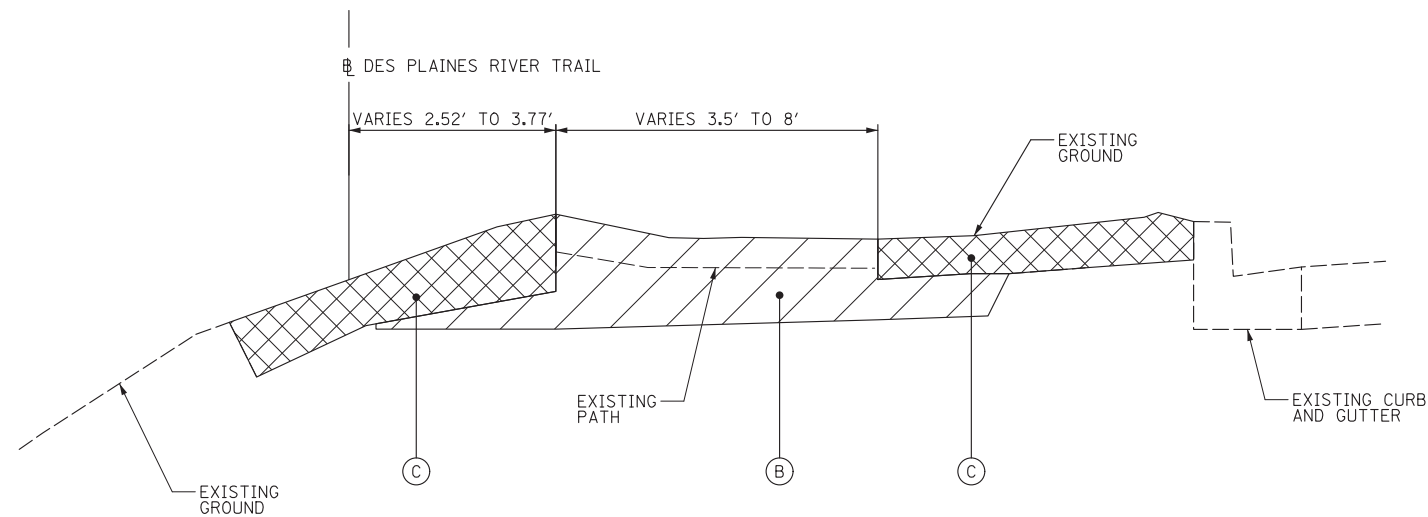
SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ITEP FUNDS 80% FEDS / 20% STATE	
						FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
Δ	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	8	
Δ	*	87900200	DRILL EXISTING HANDHOLE	EACH	7	7	
Δ	*	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7	7	
Δ	*	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5	5	
Δ	*	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1	
Δ	*	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	1	
Δ	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	6	
Δ	*	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2	2	
Δ		89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2	2	
Δ		89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	1	
Δ		89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2	2	
Δ	*	89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
Δ	*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1	
Δ		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1876	1876	
Δ	*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
Δ		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2	2	
	*	X0321156	HIGH VISIBILITY TEMPORARY FENCING	FOOT	552	552	

CONSTRUCTION CODE
ITEP FUNDS
80% FEDS / 20% STATE

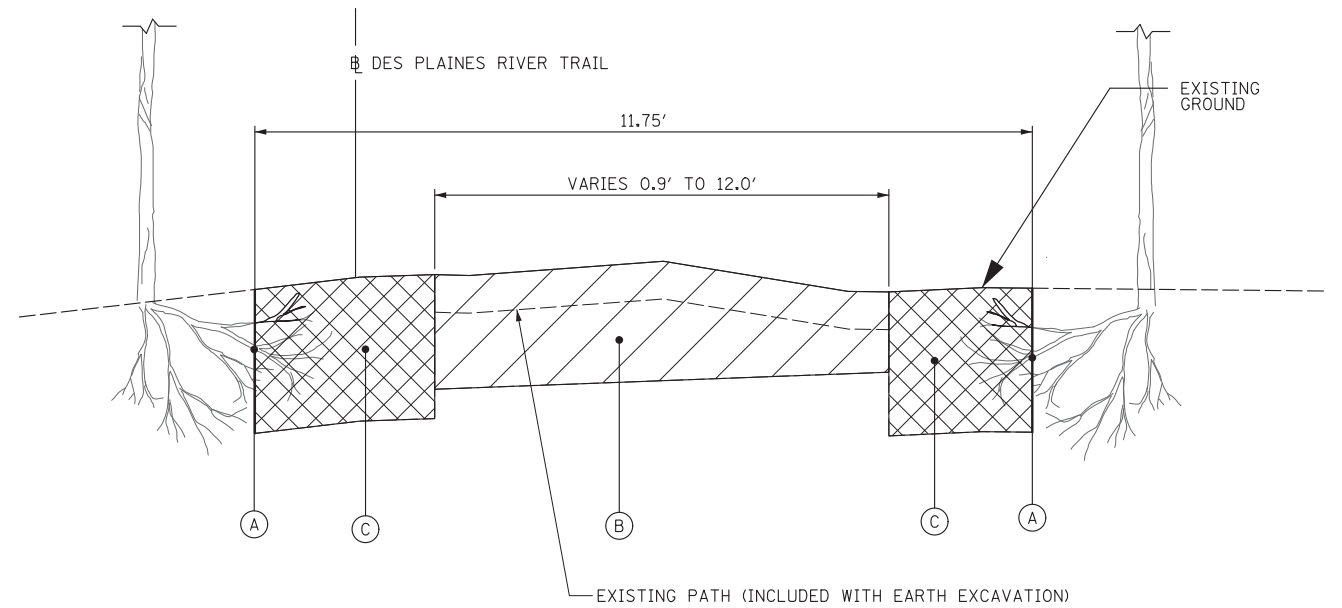
SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
Δ	*	X0322281	WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1	1	
Δ	*	X0322708	REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	3	3	
Δ	*	X0324900	SERVICE CONNECTION TO CECO LINE	EACH	1	1	
Δ	*	X0326326	CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	880	880	
	*	X0326806	WASHOUT BASIN	LSUM	1	1	
Δ	*	X0326968	JUNCTION BOX, POLE OR POST MOUNTED	EACH	5	5	
Δ	*	X0327485	MAST ARM, STREET LIGHTING, 15'	EACH	5	5	
Δ	*	X0327690	TELEVISION INSPECTION OF SEWER, SPECIAL	FOOT	200	200	
Δ	*	X0327860	REMOVE CONCRETE FOUNDATION (ELECTRICAL)	EACH	1	1	
Δ	*	X0935100	MAST ARM, STEEL, MONOTUBE 35 FT.	EACH	2	2	
Δ	*	X0935200	MAST ARM, STEEL, MONOTUBE 40 FT.	EACH	1	1	
Δ	*	X1200139	REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	3	3	
Δ	*	X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1	
Δ	*	X1400238	LUMINAIRE, LED, SPECIAL	EACH	5	5	
Δ	*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4	4	
Δ	*	X1400381	CABLE, SPECIAL	FOOT	382	382	
Δ	*	X1400382	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 19/C	FOOT	638	638	
	*	X2080250	TRENCH BACKFILL, SPECIAL	CU YD	10	10	

SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ITEP FUNDS 80% FEDS / 20% STATE	
						FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
	*	X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	884	884	
	*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	4911	4911	
Δ	*	X6020105	MANHOLE, ELECTRIC, 3' X 4' X 4', WITH 24" FRAME AND LID	EACH	1	1	
Δ	*	X6050040	REMOVING MANHOLES, SPECIAL	EACH	1	1	
	*	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	2538	2538	
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
Δ	*	X8100105	CONDUIT SPLICE	EACH	1	1	
Δ	*	X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	3	3	
Δ	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8	
Δ	*	X8760202	ACCESSIBLE PEDESTRIAN SIGNALS (SPECIAL)	EACH	2	2	
Δ	*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16	16	
Δ	*	X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	5	5	
Δ	*	XX005703	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL	LSUM	1	1	
Δ	*	XX007037	SAFETY FENCE	FOOT	1424	1424	
Δ	*	XX007709	CONDUIT IN GROUND, 2" DIA., GALVANIZED STEEL	FOOT	321	321	
Δ	*	XX007711	CONDUIT IN GROUND, 3" DIA., GALVANIZED STEEL	FOOT	921	921	
Δ	*	XX008269	WAYFINDING SIGN	EACH	1	1	

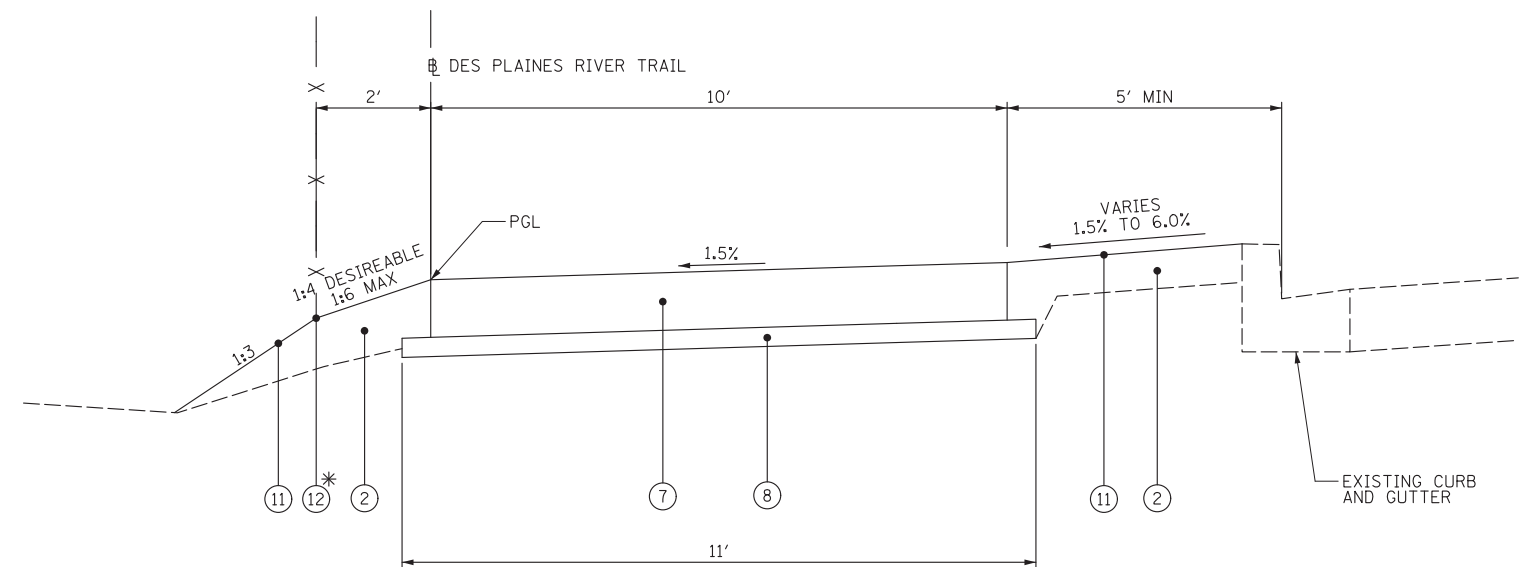
SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ITEP FUNDS 80% FEDS / 20% STATE	
						FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
	*	XX008310	AGGREGATE SURFACE COURSE, TYPE B 3" (SPECIAL)	SQ YD	4275	4275	
Δ	*	XX008710	CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE, 9 FEET	EACH	1	1	
Δ	*	XX009225	STREET SIGN COMPLETE	EACH	3	3	
Δ	*	XX009356	CONCRETE FOUNDATION, 20" DIAMETER	FOOT	10	10	
Δ	*	XX009360	CONCRETE FOUNDATION, 30" DIAMETER	FOOT	33	33	
Δ	*	XX009362	STEEL POLE, TYPE 1	EACH	1	1	
Δ	*	XX009363	STEEL POLE, TYPE 2	EACH	3	3	
Δ	*	XX009529	TREE ROOT PRESERVATION	SQ YD	1155	1155	
Δ	*	XX009531	TREE ROOT PRUNING (SPECIAL)	FOOT	7500	7500	
	*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	550	550	
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	*	Z0023700	FILLING EXISTING HANDHOLES	EACH	3	3	
Δ	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
Δ	*	Z0033026	MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE	L SUM	1	1	
Δ	*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1	
	*	Z0076600	TRAINEES	HOUR	500		500
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500



EXISTING TYPICAL SECTION
STA 173+00 TO STA 182+47.63
BRIDGE OMISSION STA 182+47.63 TO STA 186+24.49
STA 186+24.49 TO STA 198+50



EXISTING TYPICAL SECTION
STA 200+00 TO STA 229+70
NO EXCAVATION STA 229+70 TO STA 230+65
STA 230+65 TO STA 237+53.30



* SAFETY FENCE FROM
 STA 175+50 TO 182+47.63
 BRIDGE OMISSION STA 182+47.63 TO 186+24.49
 STA 186+24.49 TO 193+50

PROPOSED TYPICAL SECTION
STA 173+00 TO STA 182+47.63
BRIDGE OMISSION STA 182+47.63 TO STA 186+24.49
STA 186+24.49 TO STA 198+50

LEGEND

- (A) TREE ROOT PRUNING (SPECIAL)
- (B) EARTH EXCAVATION (20200100)
- (C) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- (2) TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100) (4" MIN)
- (3) SEEDING, CLASS 4A (25000312)
- (4) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AND AGGREGATE SUBGRADE IMPROVEMENT (30300011)
- (5) SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)
- (6) AGGREGATE BASE COURSE, TYPE B 3" (35101598)
- (7) PORTLAND CEMENT CONCRETE 6" (42400300)
- (8) AGGREGATE BASE COURSE, TYPE B 2" (35101582)
- (10) AGGREGATE SURFACE COURSE, TYPE B 3" (SPECIAL) (XX008310)
- (11) SEEDING, CLASS 2A (25000312)
- (12) SAFETY FENCE (XX007037)

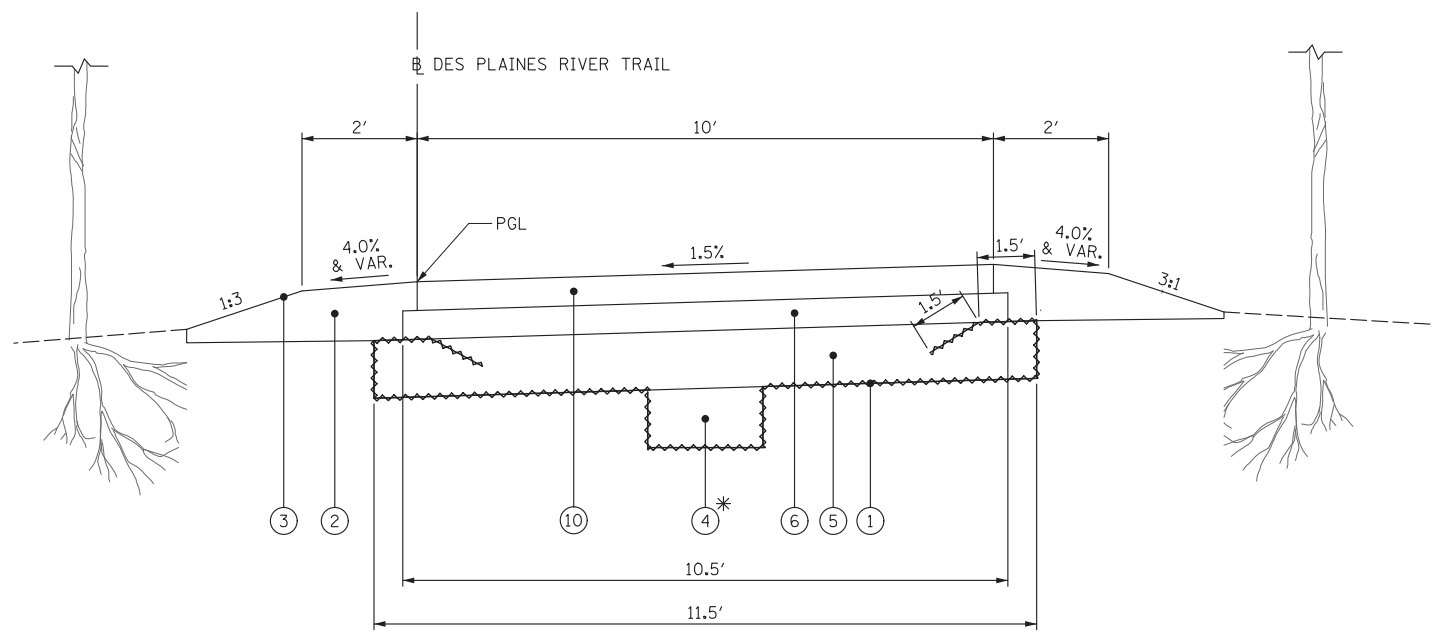
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
TYPICAL SECTIONS

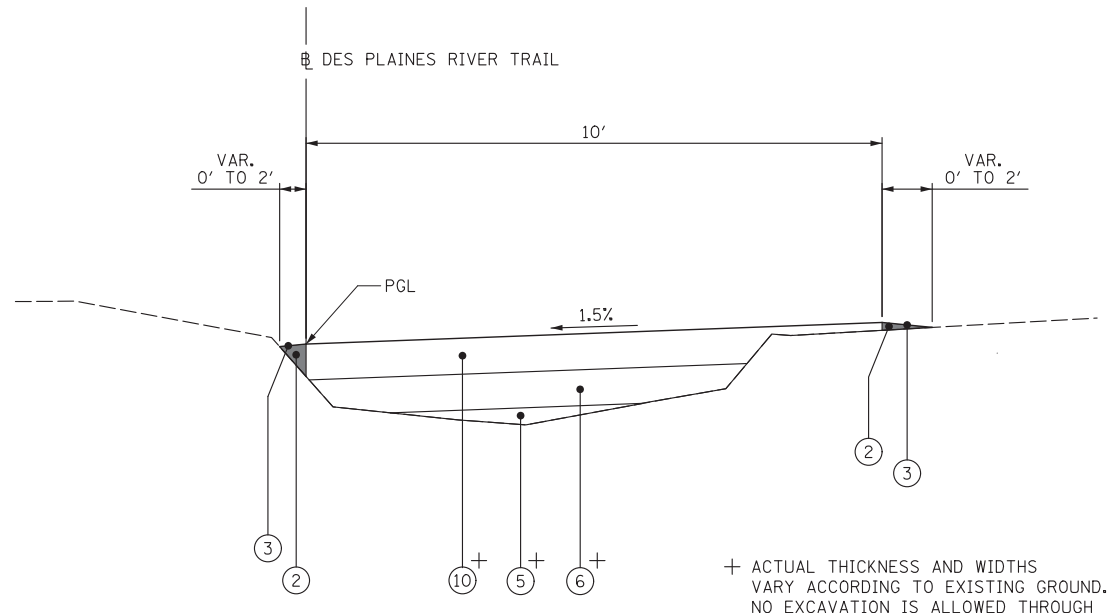
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	13
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



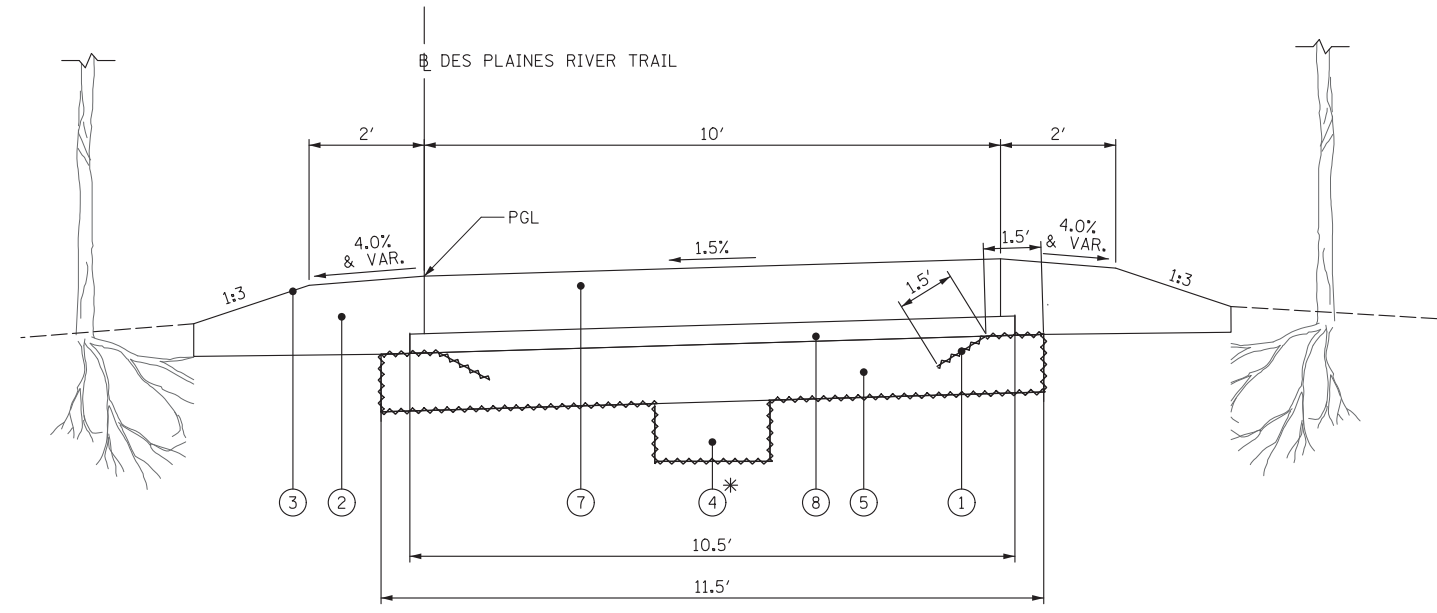
PROPOSED TYPICAL SECTION
STA 200+00 TO STA 229+70
STA 230+65 TO STA 230+75
STA 231+85 TO STA 237+53.30

* AT LOCATIONS AS DIRECTED BY THE ENGINEER



PROPOSED TYPICAL SECTION
STA 229+70 TO STA 230+65
(NO EXCAVATION ZONE)

+ ACTUAL THICKNESS AND WIDTHS VARY ACCORDING TO EXISTING GROUND. NO EXCAVATION IS ALLOWED THROUGH THIS STATION RANGE. PAID FOR ACCORDING TO SURFACE AREA OF EACH LAYER PLACED.



PROPOSED TYPICAL SECTION
STA 230+75 TO STA 231+85

* AT LOCATIONS AS DIRECTED BY THE ENGINEER

LEGEND	
(A)	TREE ROOT PRUNING (SPECIAL)
(B)	EARTH EXCAVATION (20200100)
(C)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
(1)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
(2)	TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100) (4" MIN)
(3)	SEEDING, CLASS 4A (25000312)
(4)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AND AGGREGATE SUBGRADE IMPROVEMENT (30300011)
(5)	SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)
(6)	AGGREGATE BASE COURSE, TYPE B 3" (35101598)
(7)	PORTLAND CEMENT CONCRETE 6" (42400300)
(8)	AGGREGATE BASE COURSE, TYPE B 2" (35101582)
(10)	AGGREGATE SURFACE COURSE, TYPE B 3" (SPECIAL) (XX008310)
(11)	SEEDING, CLASS 2A (25000312)
(12)	SAFETY FENCE (XX007037)

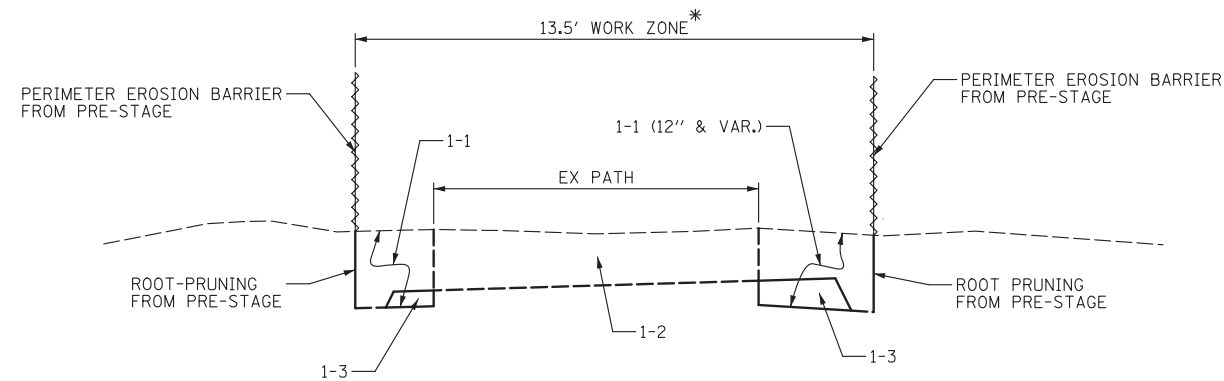
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	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2			
TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

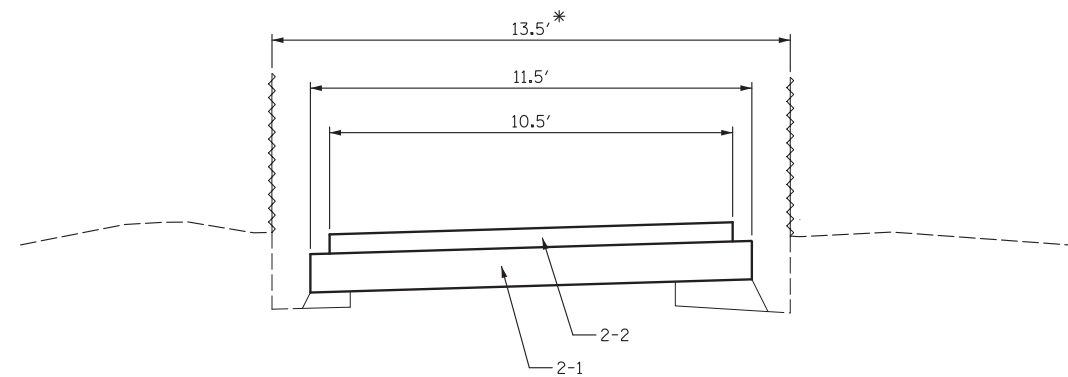
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	14
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

CONSTRUCTION STAGING DETAILS

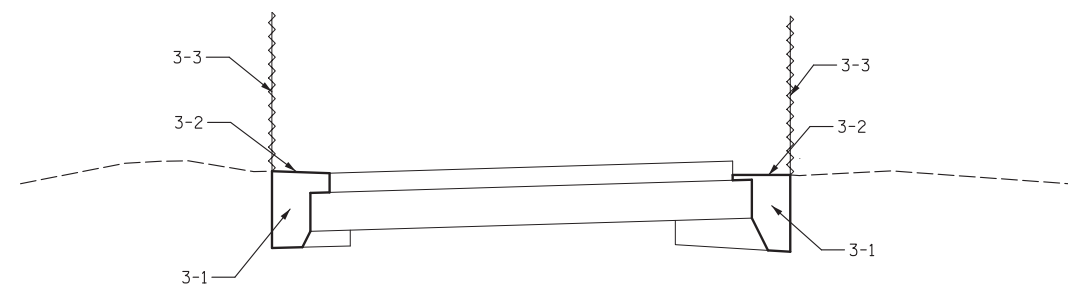


STAGE 1

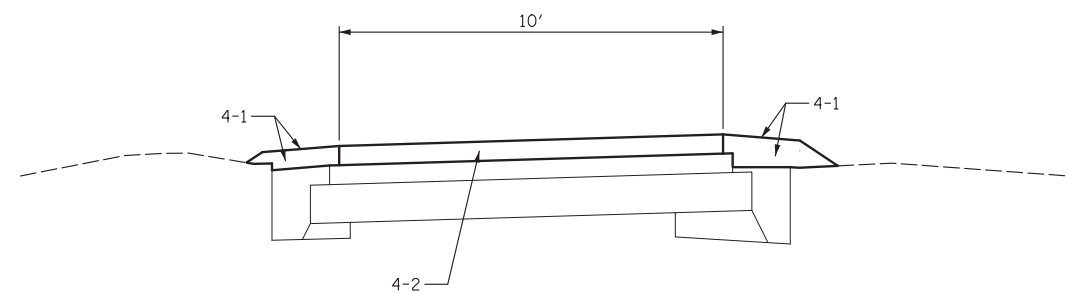
* 13.5' WORK ZONE WILL BE STRICTLY ENFORCED
CONTRACTOR SHALL BID ACCORDINGLY



STAGE 2



STAGE 3



STAGE 4

PRE-STAGE

- A. SET ALIGNMENT STAKES
- B. CONTRACTOR'S PROFESSIONAL ARBORIST AND FOREST PRESERVE DISTRICT OF COOK COUNTY (FPDCC) ARBORIST WALK CONSTRUCTION SITE AND DETERMINE LOCATIONS FOR TREE PROTECTION ZONE AS DEFINED BY THE FPDCC TREE PROTECTION AND PRESERVATION MANUAL AND THE PROJECT SPECIFICATIONS. IN ADDITION, DETERMINE LOCATIONS FOR TREE ROOT PRUNING, TREE PRUNING, TREE ROOT PROTECTION (SPECIAL), AND TREE REMOVAL.
- C. REMOVE TREES THAT ARE AGREED UPON AS NECESSARY AND ACCEPTABLE TO THE ENGINEER, ARBORIST, AND CCFPD.

NOTE: TREE REMOVALS SHOWN IN THE PLANS ARE ESTIMATED. THE FPDCC AND ITS REPRESENTATIVES SHALL HAVE THE ULTIMATE AUTHORITY IN WHICH TREES ARE REMOVED. ANY TREES THAT ARE REMOVED WITHOUT PRIOR APPROVAL FROM THE CCFPD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

- D. ROOT PRUNING TO BE PERFORMED BY PRE-QUALIFIED ARBORIST BASED ON PLAN DETAILS AND PRE-CONSTRUCTION WALK THROUGH
- E. CONSTRUCT TREE ROOT PROTECTION UNDER THE DIRECTION OF THE ARBORIST.
- F. INSTALL PERIMETER EROSION BARRIER IN ROOT PRUNING TRENCH 1.75' FROM EDGE OF PROPOSED PATH CREATING A 13.5' WIDE WORK ZONE CORRIDOR.

STAGE 1: EXCAVATION

- 1-1 REMOVE TOPSOIL FROM PERIMETER EROSION BARRIER TO EXISTING PATH (ASSUMED 1' DEEP), HAUL AWAY AS UNSUITABLE MATERIAL.
- 1-2 EXCAVATE EXISTING PATH TO BOTTOM OF PROPOSED SUBBASE.
- 1-3 PLACE EMBANKMENT FROM EXISTING PATH EXCAVATION UNDER PROPOSED SUBGRADE AND COMPACT.
- 1-4 HAUL AWAY EXCESS EXCAVATION NOT USED AS EMBANKMENT UNDER PROPOSED SUBGRADE.

STAGE 2: PLACE AGGREGATE BASE FOR PATH

- 2-1 PLACE AGGREGATE SUBGRADE, 6".
- 2-2 PLACE AGGREGATE BASE COURSE, TY. B, 3".

STAGE 3: TEMPORARY EROSION CONTROL

- 3-1 BACKFILL REMAINING TRENCH WITH FURNISHED TOPSOIL TO EXISTING EXISTING GROUND ELEVATION AT THE PERIMETER EROSION BARRIER.
- 3-2 PLACE TEMPORARY SEEDING AND TEMP EROSION CONTROL BLANKET.
- 3-3 REMOVE PERIMETER EROSION BARRIER.

STAGE 4: PLACE SURFACE COURSE AND FINAL LANDSCAPING

- 4-1 PLACE FURNISHED OR STOCKPILED TOPSOIL TO FINISHED GRADE, PLACE FINAL SEEDING, AND INSTALL EROSION CONTROL BLANKET. NO TOPSOIL SHALL REMAIN UNBLANKETED AT THE END OF A WORK DAY.
- 4-2 PLACE AGGREGATE SURFACE COURSE, 3".

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Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
EROSION CONTROL STAGING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	15
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	TOPSOIL PLACEMENT (SQ FT)	TOPSOIL STRIPPING (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	TOPSOIL PLACEMENT (CU YD)
SUBTOTALS					199	191	163	3	159	137
EAST RIVER ROAD SOUTH OF BRIDGE										
173+00.00	4.4	3.5	0.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0
173+50.00	3.0	5.1	0.1	1.9	6.9	8.0	6.8	0.6	6.2	4.4
174+00.00	16.9	4.7	0.8	17.1	18.4	9.1	7.7	0.8	6.9	17.6
174+50.00	6.7	4.6	0.3	4.7	21.9	8.6	7.3	1.0	6.3	20.2
175+00.00	6.5	4.8	0.1	4.6	12.2	8.7	7.4	0.4	7.0	8.6
175+50.00	5.3	6.1	0.0	3.0	10.9	10.1	8.6	0.1	8.5	7.0
176+00.00	5.2	6.1	0.0	3.0	9.7	11.3	9.6	0.0	9.6	5.6
176+50.00	5.0	5.7	0.0	2.9	9.4	10.9	9.3	0.0	9.3	5.5
177+00.00	5.8	5.9	0.0	3.7	10.0	10.7	9.1	0.0	9.1	6.1
177+50.00	5.6	5.6	0.0	3.5	10.6	10.6	9.1	0.0	9.1	6.7
178+00.00	5.7	5.0	0.0	3.6	10.5	9.8	8.3	0.0	8.3	6.6
178+50.00	5.2	4.7	0.0	3.0	10.1	9.0	7.6	0.0	7.6	6.1
179+00.00	5.0	6.1	0.0	2.7	9.4	10.0	8.5	0.0	8.5	5.3
179+50.00	5.6	6.8	0.0	3.3	9.8	11.9	10.2	0.0	10.2	5.6
180+00.00	5.6	6.8	0.0	3.8	10.4	12.6	10.7	0.0	10.7	6.6
180+50.00	5.9	7.4	0.0	3.6	10.6	13.1	11.2	0.0	11.2	6.9
181+00.00	5.5	7.8	0.0	3.0	10.6	14.1	12.0	0.0	12.0	6.1
181+50.00	5.2	5.1	0.0	3.1	9.9	11.9	10.2	0.0	10.2	5.6
182+00.00	2.5	6.0	0.0	3.4	7.1	10.3	8.7	0.0	8.7	6.0

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	TOPSOIL PLACEMENT (SQ FT)	TOPSOIL STRIPPING (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	TOPSOIL PLACEMENT (CU YD)
SUBTOTALS					340	280	238	3	235	270
EAST RIVER ROAD BETWEEN BRIDGE AND WEST HIGGINS ROAD										
186+50.00	2.2	5.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
187+00.00	3.3	7.2	0.0	3.9	5.1	11.6	9.8	0.0	9.8	6.7
187+50.00	4.4	6.3	0.0	2.8	7.1	12.5	10.6	0.0	10.6	6.2
188+00.00	4.9	7.1	0.0	3.2	8.6	12.4	10.5	0.0	10.5	5.6
188+50.00	5.3	7.5	0.0	3.6	9.4	13.5	11.5	0.0	11.5	6.3
189+00.00	6.8	7.4	0.1	5.5	11.2	13.8	11.7	0.1	11.6	8.4
189+50.00	10.4	7.1	0.2	10.7	15.9	13.4	11.4	0.3	11.1	15.0
190+00.00	12.4	6.1	0.3	12.5	21.1	12.2	10.4	0.5	9.9	21.5
190+50.00	12.3	4.4	0.4	11.7	22.9	9.7	8.3	0.6	7.6	22.4
191+00.00	8.6	5.3	0.1	7.3	19.4	9.0	7.6	0.5	7.2	17.6
191+50.00	7.3	5.8	0.0	6.3	14.7	10.3	8.7	0.1	8.6	12.6
192+00.00	7.4	6.7	0.0	5.9	13.6	11.6	9.8	0.0	9.8	11.3
192+50.00	7.3	7.3	0.0	5.6	13.6	13.0	11.0	0.0	11.0	10.6
193+00.00	6.0	7.8	0.0	3.3	12.3	14.0	11.9	0.0	11.9	8.2
193+50.00	6.2	7.9	0.0	3.5	11.3	14.5	12.4	0.0	12.4	6.3
194+00.00	5.7	7.8	0.0	3.1	11.0	14.5	12.4	0.0	12.4	6.1
194+50.00	5.8	7.6	0.0	3.0	10.6	14.3	12.1	0.0	12.1	5.6
195+00.00	6.4	6.5	0.0	3.5	11.3	13.1	11.1	0.0	11.1	6.0
195+50.00	7.2	5.0	0.0	4.4	12.6	10.6	9.1	0.0	9.1	7.3
196+00.00	7.8	5.7	0.0	5.8	13.9	9.9	8.4	0.0	8.4	9.4
196+50.00	15.4	1.5	0.0	11.2	21.5	6.7	5.7	0.0	5.7	15.7
197+00.00	8.2	6.3	0.0	8.1	21.9	7.2	6.1	0.0	6.1	17.9
197+50.00	9.5	6.0	0.0	7.6	16.4	11.4	9.7	0.0	9.7	14.5
198+00.00	10.5	4.4	0.0	8.9	18.5	9.6	8.2	0.0	8.2	15.3
198+50.00	6.8	7.1	0.0	4.9	16.0	10.6	9.1	0.0	9.1	12.8

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	TOPSOIL PLACEMENT (SQ FT)	TOPSOIL STRIPPING (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	TOPSOIL PLACEMENT (CU YD)
SUBTOTALS					545	716	608	175	434	477
SOUTH DEE ROAD NORTH OF WEST HIGGINS ROAD										
200+00.00	11.9	0.9	4.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0
200+50.00	11.0	1.3	4.2	3.9	21.2	2.0	1.7	7.7	-6.0	6.9
201+00.00	11.1	0.7	5.8	3.9	20.5	1.9	1.6	9.3	-7.7	7.2
201+50.00	5.3	3.6	2.4	4.6	15.2	4.0	3.4	7.6	-4.2	7.9
202+00.00	5.9	3.8	2.1	4.0	10.4	6.9	5.8	4.2	1.7	8.0
202+50.00	6.4	4.0	2.1	3.7	11.4	7.2	6.1	3.9	2.3	7.1
203+00.00	6.3	3.8	2.1	3.7	11.8	7.2	6.1	3.9	2.3	6.9
203+50.00	6.3	3.8	2.0	3.7	11.7	7.0	6.0	3.8	2.2	6.9
204+00.00	6.4	2.1	4.5	5.4	11.8	5.5	4.6	6.0	-1.4	8.4
204+50.00	5.5	0.4	5.3	7.4	11.0	2.3	2.0	9.1	-7.1	11.9
205+00.00	3.1	2.2	2.1	5.7	8.0	2.4	2.0	6.9	-4.8	12.1
205+50.00	2.7	2.3	1.0	4.4	5.4	4.2	3.5	2.9	0.7	9.4
206+00.00	4.1	3.7	1.2	3.7	6.3	5.6	4.7	2.0	2.7	7.5
206+50.00	4.8	3.5	1.6	3.8	8.2	6.7	5.7	2.6	3.1	6.9
207+00.00	6.2	1.6	3.3	4.3	10.2	4.7	4.0	4.5	-0.5	7.5
207+50.00	3.9	2.6	1.7	4.3	9.4	3.9	3.3	4.6	-1.3	8.0
208+00.00	3.0	4.1	1.7	3.7	6.4	6.2	5.3	3.1	2.1	7.4
208+50.00	5.3	4.8	1.6	3.8	7.7	8.2	7.0	3.1	3.9	6.9
209+00.00	5.0	6.0	1.0	3.4	9.5	10.0	8.5	2.4	6.1	6.7
209+50.00	5.0	7.0	0.5	2.8	9.3	12.0	10.2	1.4	8.8	5.7
210+00.00	5.6	5.8	1.2	3.5	9.8	11.9	10.1	1.6	8.5	5.8
210+50.00	4.9	5.9	1.0	3.3	9.7	10.8	9.2	2.0	7.2	6.3
211+00.00	3.9	6.0	1.3	2.9	8.1	11.0	9.4	2.1	7.2	5.7
211+50.00	3.8	5.6	1.4	3.0	7.1	10.7	9.1	2.5	6.6	5.5
212+00.00	3.2	5.7	1.2	2.9	6.5	10.5	8.9	2.4	6.5	5.5
212+50.00	1.8	5.0	0.9	4.7	4.6	9.9	8.4	1.9	6.5	7.0
213+00.00	0.4	8.5	0.0	1.3	2.0	12.5	10.6	0.8	9.8	5.6
213+50.00	2.2	8.1	0.5	2.4	2.4	15.4	13.1	0.5	12.6	3.4
214+00.00	4.6	7.1	0.7	3.1	6.3	14.1	12.0	1.1	10.9	5.1
214+50.00	3.9	7.0	0.7	2.3	7.9	13.1	11.1	1.3	9.8	5.0
215+00.00	3.2	7.8	0.3	2.0	6.6	13.7	11.6	0.9	10.7	4.0
215+50.00	2.4	9.2	0.1	3.1	5.2	15.7	13.4	0.4	13.0	4.7
216+00.00	2.7	6.9	0.5	3.8	4.7	14.9	12.7	0.6	12.1	6.4
216+50.00	2.5	5.1	0.5	4.4	4.8	11.1	9.4	0.9	8.5	7.6
217+00.00	1.5	6.2	0.3	3.2	3.7	10.5	8.9	0.7	8.2	7.0
217+50.00	1.7	7.0	0.3	3.0	3.0	12.2	10.4	0.6	9.8	5.7
218+00.00	4.3	5.9	0.9	3.9	5.6	11.9	10.2	1.1	9.0	6.4
218+50.00	3.1	7.2	0.5	3.7	6.9	12.1	10.3	1.3	9.0	7.0

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	TOPSOIL PLACEMENT (SQ FT)	TOPSOIL STRIPPING (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	TOPSOIL PLACEMENT (CU YD)
SOUTH DEE ROAD NORTH OF WEST HIGGINS ROAD (CONTINUED)										
219+00.00	1.4	7.3	0.4	3.3	4.2	13.4	11.4	0.8	10.6	6.5
219+50.00	0.1	7.1	0.0	2.8	1.4	13.3	11.3	0.4	11.0	5.6
220+00.00	1.7	5.6	0.4	3.9	1.7	11.8	10.0	0.4	9.6	6.2
220+50.00	1.3	4.8	0.3	3.9	2.8	9.6	8.2	0.6	7.5	7.2
221+00.00	1.4	4.5	0.5	3.9	2.5	8.6	7.3	0.7	6.6	7.2
221+50.00	2.2	6.5	0.4	4.4	3.3	10.2	8.7	0.8	7.8	7.7
222+00.00	2.9	5.2	1.3	2.9	4.7	10.8	9.2	1.6	7.6	6.8
222+50.00	2.0	5.2	0.3	4.2	4.5	9.6	8.2	1.5	6.7	6.6
223+00.00	1.7	4.9	0.4	3.4	3.4	9.4	7.9	0.6	7.3	7.0
223+50.00	2.1	4.5	0.6	3.4	3.5	8.7	7.4	0.9	6.5	6.3
224+00.00	2.6	4.6	0.5	4.2	4.4	8.4	7.2	1.0	6.1	7.0
224+50.00	3.1	5.7	0.8	4.1	5.3	9.5	8.1	1.2	6.9	7.7
225+00.00	1.4	6.6	0.2	3.2	4.2	11.4	9.7	0.9	8.8	6.8
225+50.00	1.4	5.3	0.1	3.1	2.6	11.0	9.4	0.3	9.1	5.8
226+00.00	4.2	5.1	1.4	3.9	5.2	9.6	8.2	1.4	6.8	6.5
226+50.00	6.0	4.5	2.1	3.7	9.4	8.9	7.6	3.2	4.3	7.0
227+00.00	5.1	5.0	1.5	3.6	10.3	8.8	7.5	3.3	4.1	6.8
227+50.00	3.5	5.5	0.9	3.7	8.0	9.7	8.3	2.2	6.0	6.8
228+00.00	3.8	4.9	1.5	3.1	6.8	9.6	8.2	2.2	6.0	6.3
228+50.00	6.0	3.5	2.3	2.9	9.1	7.8	6.6	3.5	3.1	5.6
229+00.00	4.8	3.4	2.4	3.6	10.0	6.4	5.4	4.4	1.1	6.0
229+50.00	7.0	1.8	3.1	3.8	10.9	4.8	4.1	5.1	-1.0	6.9
230+00.00	0.0	0.0	0.0	0.1	6.5	1.7	1.4	2.9	-1.5	3.6
230+50.00	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5
231+00.00	4.5	12.5	0.0	1.4	4.2	11.6	9.8	0.0	9.8	1.7
231+50.00	5.1	12.6	0.0	2.4	8.9	23.2	19.8	0.0	19.8	3.5
232+00.00	5.6	9.0	0.0	2.1	9.9	20.0	17.0	0.0	17.0	4.2
232+50.00	5.3	6.8	0.5	2.7	10.1	14.6	12.4	0.5	12.0	4.4
233+00.00	5.0	6.8	1.0	3.1	9.5	12.6	10.7	1.4	9.3	5.4
233+50.00	3.7	5.8	0.9	4.4	8.1	11.7	9.9	1.8	8.2	6.9
234+00.00	2.6	6.3	0.4	4.2	5.8	11.2	9.5	1.2	8.3	8.0
234+50.00	1.7	6.8	0.4	2.9	4.0	12.1	10.3	0.7	9.6	6.6
235+00.00	2.5	7.6	0.2	3.0	3.9	13.3	11.3	0.6	10.8	5.5
235+50.00	4.5	5.4	1.1	2.1	6.5	12.0	10.2	1.2	9.0	4.7
236+00.00	3.6	5.2	1.4	2.8	7.5	9.8	8.3	2.3	6.0	4.5
236+50.00	7.2	2.5	3.9	3.9	10.0	7.1	6.1	4.9	1.2	6.2
237+00.00	6.6	3.9	1.7	2.9	12.8	5.9	5.0	5.2	-0.1	6.3
237+50.00	3.5	3.4	1.1	2.9	9.4	6.8	5.7	2.6	3.2	5.4

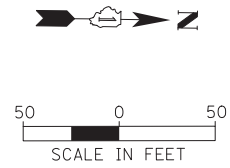
SOIL REMEDIATION TABLE				
STATION	LENGTH FT	END AREA SQ FT	AVG END AREA SQ FT	VOLUME CU YD
223+00.0		17.0		
223+50.0	50.0	16.8	16.9	31.3
224+00.0	50.0	16.9	16.9	31.2
224+50.0	50.0	16.7	16.8	31.1
225+00.0	50.0	17.1	16.9	31.3
TOTAL UNDERCUT VOLUME				125

EARTHWORK SUMMARY						
LOCATION	(1) TOPSOIL STRIPPING (CU YD)	(2) CUT VOLUME (EARTH EXCAVATION) (CU YD)	(3) EXCAVATION AVAILABLE FOR EMBANKMENTS ADJUSTED BY 15% SHRINKAGE FACTOR (CU YD)	(4) EMBANKMENT (FILL) (CU YD)	(5) EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	(6) TOPSOIL PLACEMENT (CU YD)
DES PLAINES RIVER TRAIL ALONG EAST RIVER ROAD SOUTH OF BRIDGE	199	191	163	3	159	137
DES PLAINES RIVER TRAIL ALONG EAST RIVER ROAD BETWEEN BRIDGE AND HIGGINS ROAD	340	280	238	3	235	270
DES PLAINES RIVER TRAIL NORTH OF HIGGINS ROAD	545	716	608	175	477	477
PROJECT TOTALS	1,084	1,187	1,009	181	871	884

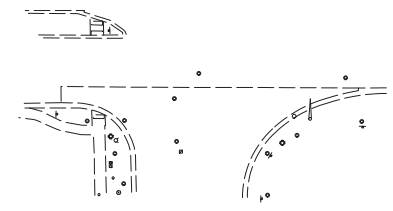
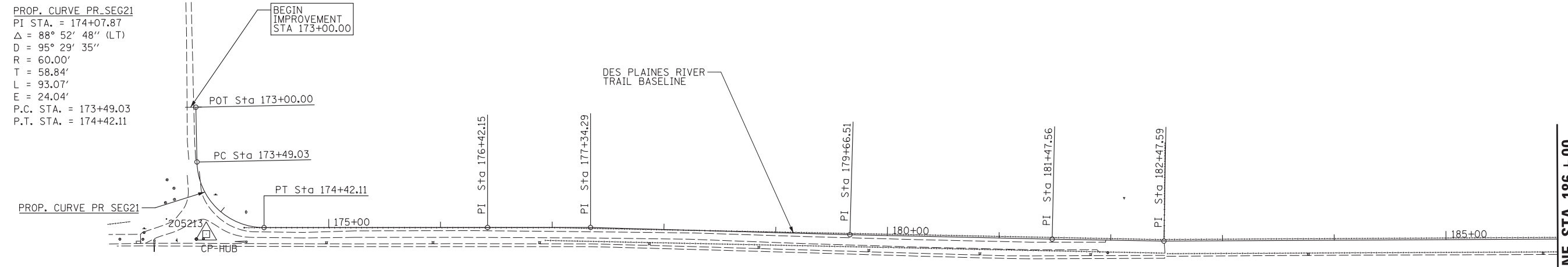
EARTH EXCAVATION (20200100)	1,187
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	1,209
TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)	884
AGGREGATE SUBGRADE IMPROVEMENT (30300001)	125

EARTH EXCAVATION = COLUMN 2
 NO QUANTITY IS INCLUDED FOR FURNISHED EXCAVATION BECAUSE EARTHWORK BALANCE IN ALL THREE SECTIONS INDICATE AN EXCESS OF MATERIAL
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = COLUMN 1 + UNDERCUT TOTAL
 TOPSOIL FURNISH AND PLACE = COLUMN 6

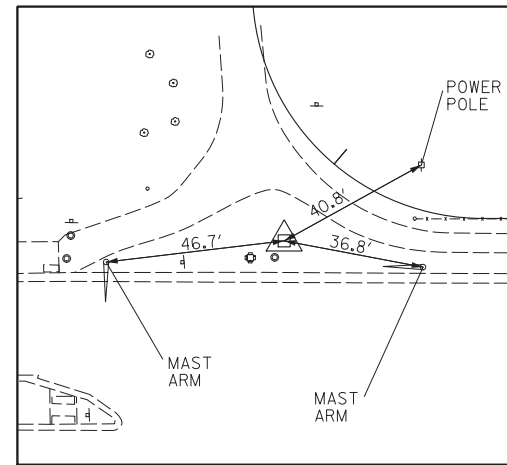
DES PLAINES RIVER TRAIL BASELINE			
STATION	LABEL	NORTHING	EASTING
173+00.00	POT	1936019.48	1116480.13
173+49.03	PC	1936021.20	1116529.14
174+42.11	PT	1936082.10	1116587.02
176+42.15	PI	1936282.11	1116583.90
177+34.29	PI	1936374.25	1116582.53
179+66.51	PI	1936606.45	1116585.53
181+47.56	PI	1936787.49	1116586.80
182+47.59	PI	1936887.52	1116587.07



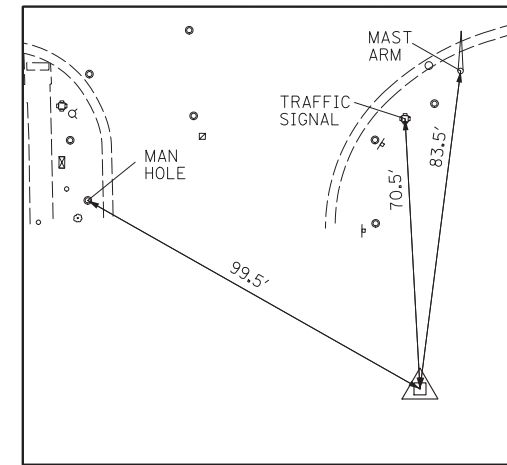
PROP. CURVE PR_SEG21
 PI STA. = 174+07.87
 $\Delta = 88^\circ 52' 48''$ (LT)
 D = $95^\circ 29' 35''$
 R = 60.00'
 T = 58.84'
 L = 93.07'
 E = 24.04'
 P.C. STA. = 173+49.03
 P.T. STA. = 174+42.11



205214
 CP-XCUT



CP 205213 - SET HUB
 STA. 174+02.12, 23.72' RT
 N 1936030.44
 E 1116593.63



CP 205214 - XCUT
 STA. 174+39.88, 180.20' RT
 N 1936075.99
 E 1116767.17

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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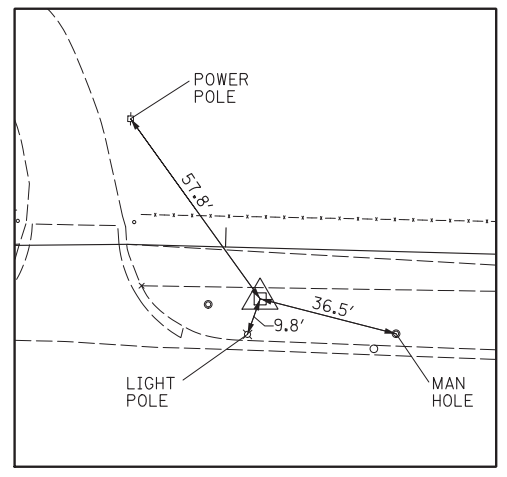
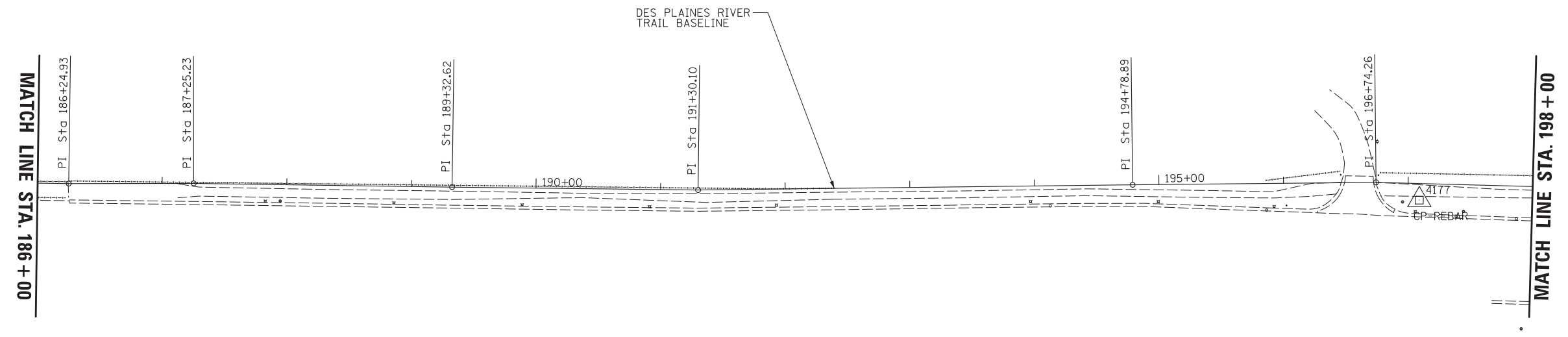
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2			
ALIGNMENTS, TIES, AND BENCHMARKS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H78	



DES PLAINES RIVER TRAIL BASELINE			
STATION	LABEL	NORTHING	EASTING
186+24.93	PI	1937264.79	1116579.47
187+25.23	PI	1937365.02	1116575.88
189+32.62	PI	1937572.37	1116571.82
191+30.10	PI	1937769.80	1116567.40
194+78.89	PI	1938118.22	1116551.33
196+74.26	PI	1938313.40	1116542.69
198+53.14	PC	1938492.28	1116541.40
198+78.53	PT	1938517.58	1116539.60



CP 4177 SET - REBAR
 STA. 197+09.39, 13.29' RT
 N 1938348.62
 E 1116555.72

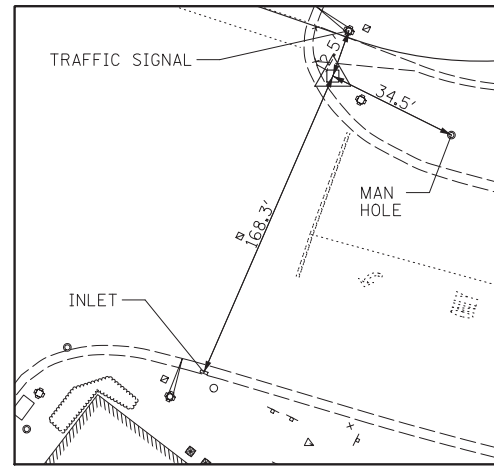
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Default	PLOT SCALE = 50'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

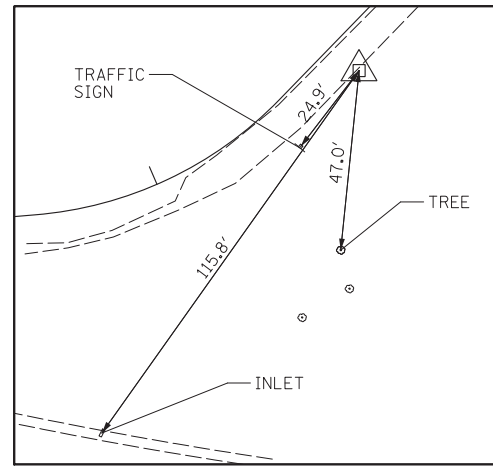
DES PLAINES RIVER TRAIL SEGMENT 2
 ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	20
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



CP 4176 - REBAR
 STA. 199+59.30, 10.78' RT
 N 1938599.07
 E 1116539.48



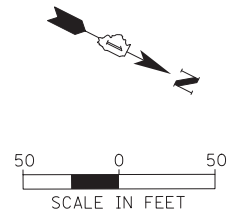
CP 6910 - SET HUB
 STA. 201+58.89, 9.62' RT
 N 1938752.08
 E 1116410.22

PROP. CURVE PR_SEG26
 PI STA. = 205+33.96
 $\Delta = 20^\circ 19' 06''$ (RT)
 $D = 20^\circ 50' 05''$
 $R = 275.00'$
 $T = 49.28'$
 $L = 97.52'$
 $E = 4.38'$
 P.C. STA. = 204+84.69
 P.T. STA. = 205+82.21

PROP. CURVE PR_SEG28
 PI STA. = 207+51.44
 $\Delta = 39^\circ 13' 46''$ (RT)
 $D = 40^\circ 55' 32''$
 $R = 140.00'$
 $T = 49.89'$
 $L = 95.86'$
 $E = 8.62'$
 P.C. STA. = 207+01.55
 P.T. STA. = 207+97.40

PROP. CURVE PR_SEG29
 PI STA. = 210+24.95
 $\Delta = 12^\circ 15' 03''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 53.66'$
 $L = 106.91'$
 $E = 2.87'$
 P.C. STA. = 209+71.29
 P.T. STA. = 210+78.20

PROP. CURVE PR_SEG210
 PI STA. = 211+34.91
 $\Delta = 6^\circ 29' 30''$ (LT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 56.71'$
 $L = 113.30'$
 $E = 1.61'$
 P.C. STA. = 210+78.20
 P.T. STA. = 211+91.50



PROP. CURVE PR_SEG22
 PI STA. = 198+65.85
 $\Delta = 7^\circ 16' 21''$ (LT)
 $D = 28^\circ 38' 52''$
 $R = 200.00'$
 $T = 12.71'$
 $L = 25.39'$
 $E = 0.40'$
 P.C. STA. = 198+53.14
 P.T. STA. = 198+78.53

PROP. CURVE PR_SEG26
 PI STA. = 205+33.96
 $\Delta = 20^\circ 19' 06''$ (RT)
 $D = 20^\circ 50' 05''$
 $R = 275.00'$
 $T = 49.28'$
 $L = 97.52'$
 $E = 4.38'$
 P.C. STA. = 204+84.69
 P.T. STA. = 205+82.21

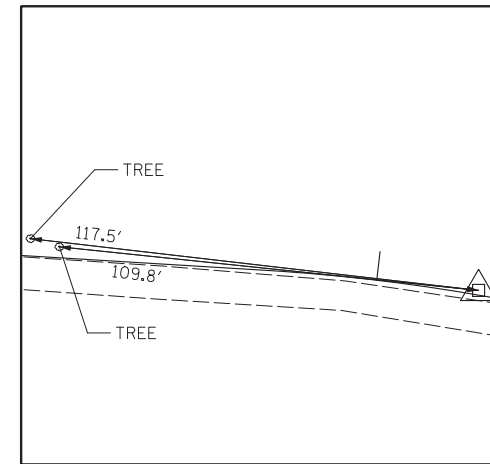
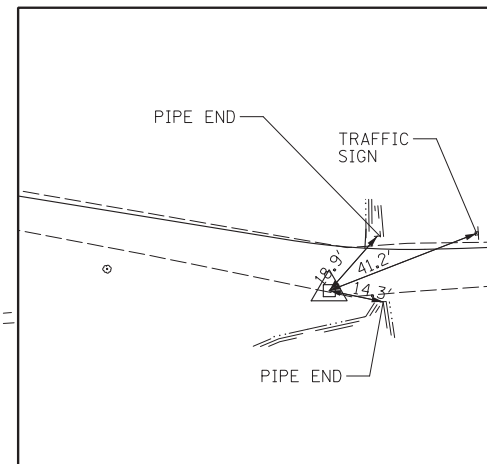
PROP. CURVE PR_SEG27
 PI STA. = 206+42.24
 $\Delta = 15^\circ 32' 24''$ (LT)
 $D = 13^\circ 01' 18''$
 $R = 440.00'$
 $T = 60.04'$
 $L = 119.34'$
 $E = 4.08'$
 P.C. STA. = 205+82.21
 P.T. STA. = 207+01.55

PROP. CURVE PR_SEG25
 PI STA. = 203+37.01
 $\Delta = 5^\circ 17' 22''$ (RT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 46.19'$
 $L = 92.32'$
 $E = 1.07'$
 P.C. STA. = 202+90.82
 P.T. STA. = 203+83.14

PROP. CURVE PR_SEG23
 PI STA. = 199+82.90
 $\Delta = 23^\circ 33' 37''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 20.85'$
 $L = 41.12'$
 $E = 2.15'$
 P.C. STA. = 199+62.05
 P.T. STA. = 200+03.17

PROP. CURVE PR_SEG24
 PI STA. = 201+04.63
 $\Delta = 41^\circ 14' 00''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 37.62'$
 $L = 71.97'$
 $E = 6.84'$
 P.C. STA. = 200+67.01
 P.T. STA. = 201+38.98

CP 6812 - REBAR
 STA. 210+26.61, 1.21' LT
 N 1939255.86
 E 1115770.46



CP 6703 - REBAR
 STA. 212+91.84, 11.75' RT
 N 1939515.88
 E 1115712.05

PROP. CURVE PR_SEG211
 PI STA. = 212+97.49
 $\Delta = 10^\circ 24' 57''$ (LT)
 $D = 28^\circ 38' 52''$
 $R = 200.00'$
 $T = 18.23'$
 $L = 36.36'$
 $E = 0.83'$
 P.C. STA. = 212+79.26
 P.T. STA. = 213+15.62

PROP. CURVE PR_SEG211
 PI STA. = 212+97.49
 $\Delta = 10^\circ 24' 57''$ (LT)
 $D = 28^\circ 38' 52''$
 $R = 200.00'$
 $T = 18.23'$
 $L = 36.36'$
 $E = 0.83'$
 P.C. STA. = 212+79.26
 P.T. STA. = 213+15.62

MATCH LINE STA. 213 + 00

MATCH LINE STA. 198 + 00

DES PLAINES RIVER TRAIL BASELINE			
STATION	LABEL	NORTHING	EASTING
199+62.05	PC	1938600.35	1116528.43
200+03.17	PT	1938638.84	1116514.82
200+67.01	PC	1938693.43	1116481.71
201+38.98	PT	1938736.92	1116426.32
202+90.82	PC	1938782.63	1116281.51
203+83.14	PT	1938814.44	1116194.88
204+84.69	PC	1938853.80	1116101.28
205+82.21	PRC	1938906.59	1116019.89
207+01.55	PRC	1938975.44	1115922.86
207+97.40	PT	1939044.41	1115859.00
209+71.29	PC	1939204.25	1115790.54
210+78.20	PRC	1939306.26	1115759.24
211+91.50	PT	1939416.05	1115731.50
212+79.26	PC	1939499.79	1115705.22
213+15.62	PCC	1939533.31	1115691.25

WEST HIGGINS ROAD EXISTING CENTER LINE			
STATION	LABEL	NORTHING	EASTING
00+00.00	POT	1938566.00	1116459.98
02+67.18	POT	1938515.45	1116722.04

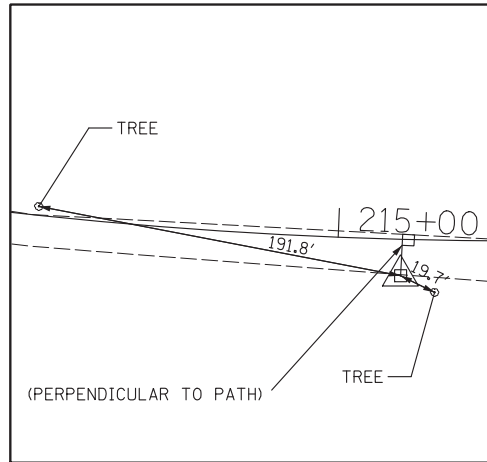
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03.SHT		DRAWN -	REVISED -
PLOT SCALE = 58'		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

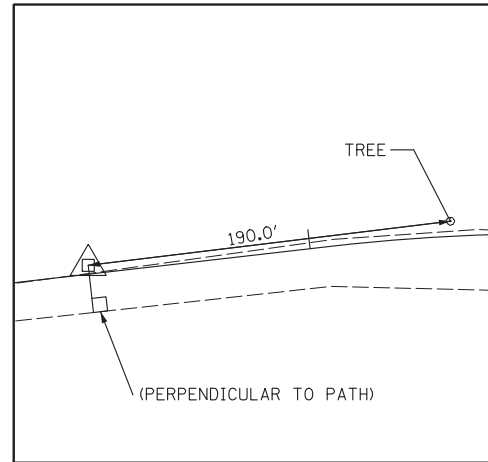
DES PLAINES RIVER TRAIL SEGMENT 2
 ALIGNMENTS, TIES, AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

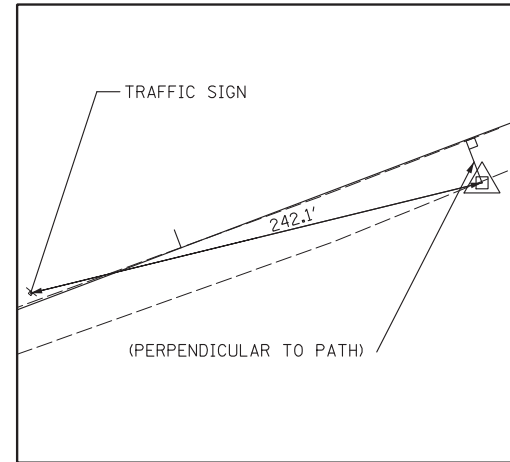
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	21
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	



CP 6688 - REBAR
 STA. 215+16.49, 9.50' RT
 N 1939708.04
 E 1115590.59

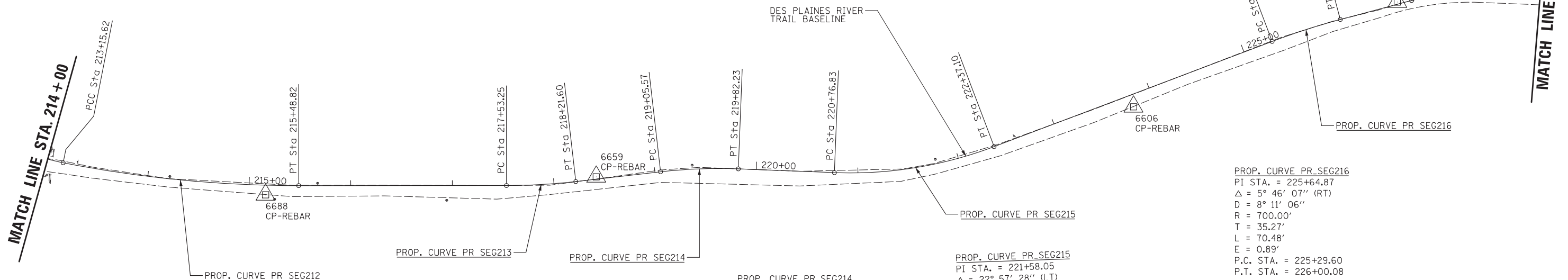
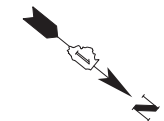


CP 6659 - REBAR
 STA. 218+42.12, 2.30' LT
 N 1939949.91
 E 1115372.80



CP 6606 - REBAR
 STA. 223+79.30, 11.91' RT
 N 1940317.76
 E 1114986.34

PROP. CURVE PR_SEG217
 PI STA. = 227+14.18
 $\Delta = 19^\circ 35' 42''$ (RT)
 $D = 23^\circ 52' 24''$
 $R = 240.00'$
 $T = 41.44'$
 $L = 82.08'$
 $E = 3.55'$
 P.C. STA. = 226+72.73
 P.T. STA. = 227+54.81



PROP. CURVE PR_SEG212
 PI STA. = 214+32.59
 $\Delta = 11^\circ 08' 04''$ (LT)
 $D = 4^\circ 46' 29''$
 $R = 1,200.00'$
 $T = 116.97'$
 $L = 233.20'$
 $E = 5.69'$
 P.C. STA. = 213+15.62
 P.T. STA. = 215+48.82

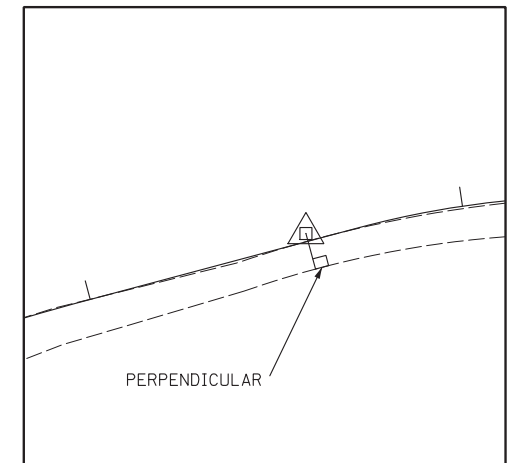
PROP. CURVE PR_SEG213
 PI STA. = 217+87.46
 $\Delta = 6^\circ 31' 39''$ (LT)
 $D = 9^\circ 32' 57''$
 $R = 600.00'$
 $T = 34.21'$
 $L = 68.36'$
 $E = 0.97'$
 P.C. STA. = 217+53.25
 P.T. STA. = 218+21.60

PROP. CURVE PR_SEG214
 PI STA. = 219+43.98
 $\Delta = 8^\circ 47' 06''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 38.41'$
 $L = 76.66'$
 $E = 1.47'$
 P.C. STA. = 219+05.57
 P.T. STA. = 219+82.23

PROP. CURVE PR_SEG215
 PI STA. = 221+58.05
 $\Delta = 22^\circ 57' 28''$ (LT)
 $D = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 81.23'$
 $L = 160.28'$
 $E = 8.16'$
 P.C. STA. = 220+76.83
 P.T. STA. = 222+37.10

PROP. CURVE PR_SEG216
 PI STA. = 225+64.87
 $\Delta = 5^\circ 46' 07''$ (RT)
 $D = 8^\circ 11' 06''$
 $R = 700.00'$
 $T = 35.27'$
 $L = 70.48'$
 $E = 0.89'$
 P.C. STA. = 225+29.60
 P.T. STA. = 226+00.08

DES PLAINES RIVER TRAIL BASELINE			
STATION	LABEL	NORTHING	EASTING
215+48.82	PT	1939727.67	1115563.05
217+53.25	PC	1939886.59	1115434.47
218+21.60	PT	1939937.17	1115388.55
219+05.57	PC	1939996.02	1115328.66
219+82.23	PT	1940053.73	1115278.30
220+76.83	PC	1940129.56	1115221.74
222+37.10	PT	1940235.68	1115103.07
225+29.60	PC	1940383.36	1114850.59
226+00.08	PT	1940421.95	1114791.65
226+72.73	PC	1940464.75	1114732.94
227+54.81	PT	1940523.39	1114676.09



CP 6578 - REBAR
 STA. 226+58.72, 2.09' LT
 N 1940454.80
 E 1114743.03

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ROSEMONT\860001\2127A\Civil\ATB_2127A	04.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 58'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2			
ALIGNMENTS, TIES, AND BENCHMARKS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	22
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	

PROP. CURVE PR_SEG219
 PI STA. = 229+49.53
 $\Delta = 38^\circ 17' 39''$ (RT)
 D = 34' 43" 29"
 R = 165.00'
 T = 57.29'
 L = 110.28'
 E = 9.66'
 P.C. STA. = 228+92.25
 P.T. STA. = 230+02.52

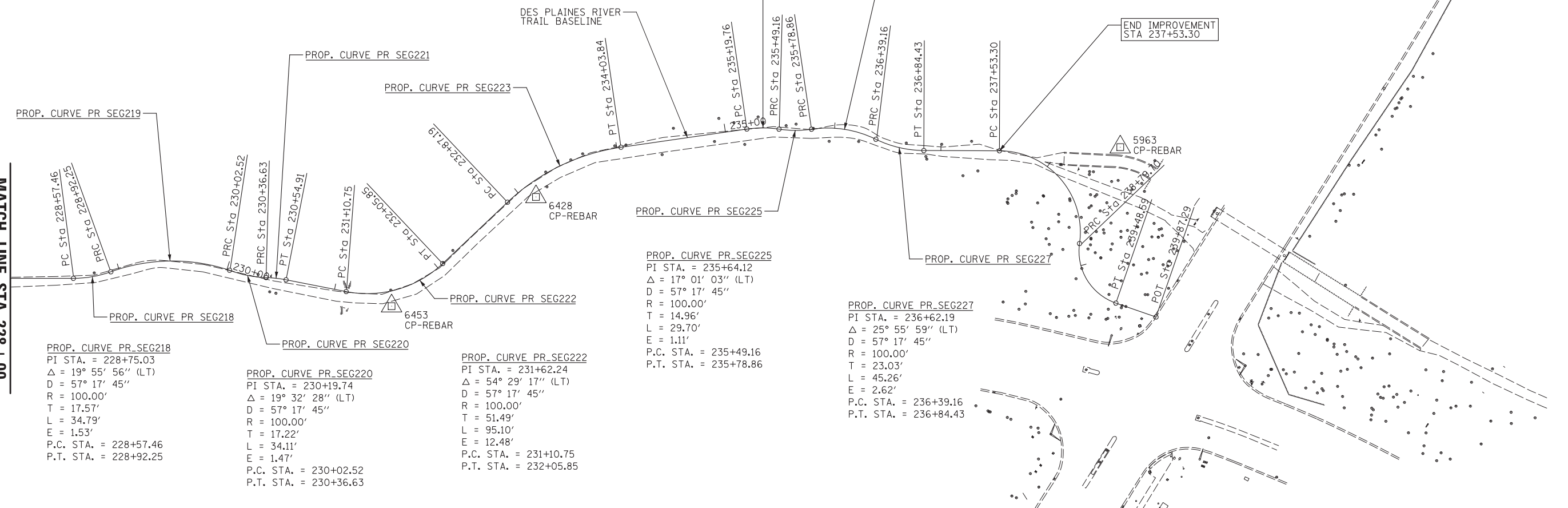
PROP. CURVE PR_SEG221
 PI STA. = 230+45.79
 $\Delta = 9^\circ 31' 24''$ (RT)
 D = 52' 05" 13"
 R = 110.00'
 T = 9.16'
 L = 18.28'
 E = 0.38'
 P.C. STA. = 230+36.63
 P.T. STA. = 230+54.91

PROP. CURVE PR_SEG223
 PI STA. = 233+47.42
 $\Delta = 35^\circ 10' 43''$ (RT)
 D = 30' 09" 20"
 R = 190.00'
 T = 60.23'
 L = 116.66'
 E = 9.32'
 P.C. STA. = 232+87.19
 P.T. STA. = 234+03.84

PROP. CURVE PR_SEG224
 PI STA. = 235+34.56
 $\Delta = 16^\circ 50' 46''$ (RT)
 D = 57' 17" 45"
 R = 100.00'
 T = 14.81'
 L = 29.40'
 E = 1.09'
 P.C. STA. = 235+19.76
 P.T. STA. = 235+49.16

PROP. CURVE PR_SEG226
 PI STA. = 236+09.96
 $\Delta = 34^\circ 33' 10''$ (RT)
 D = 57' 17" 45"
 R = 100.00'
 T = 31.10'
 L = 60.31'
 E = 4.72'
 P.C. STA. = 235+78.86
 P.T. STA. = 236+39.16

MATCH LINE STA. 228 + 00



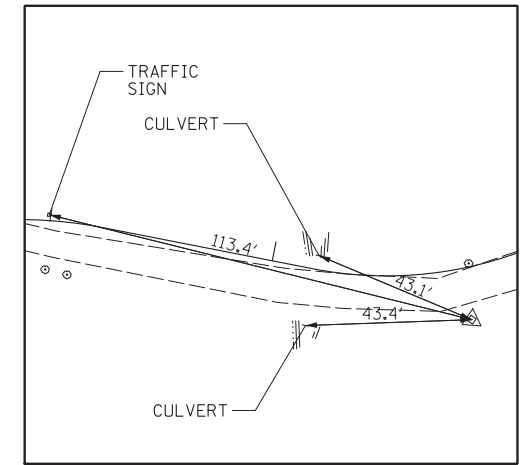
PROP. CURVE PR_SEG218
 PI STA. = 228+75.03
 $\Delta = 19^\circ 55' 56''$ (LT)
 D = 57' 17" 45"
 R = 100.00'
 T = 17.57'
 L = 34.79'
 E = 1.53'
 P.C. STA. = 228+57.46
 P.T. STA. = 228+92.25

PROP. CURVE PR_SEG220
 PI STA. = 230+19.74
 $\Delta = 19^\circ 32' 28''$ (LT)
 D = 57' 17" 45"
 R = 100.00'
 T = 17.22'
 L = 34.11'
 E = 1.47'
 P.C. STA. = 230+02.52
 P.T. STA. = 230+36.63

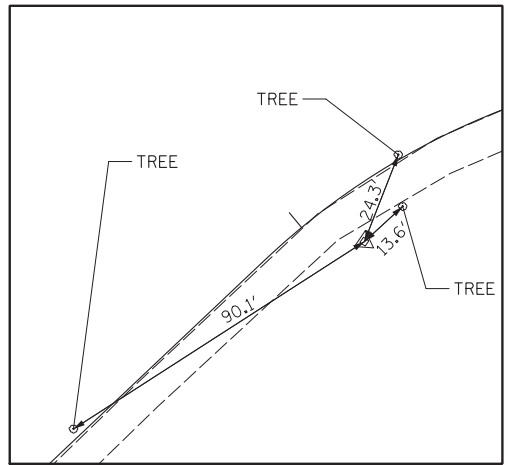
PROP. CURVE PR_SEG222
 PI STA. = 231+62.24
 $\Delta = 54^\circ 29' 17''$ (LT)
 D = 57' 17" 45"
 R = 100.00'
 T = 51.49'
 L = 95.10'
 E = 12.48'
 P.C. STA. = 231+10.75
 P.T. STA. = 232+05.85

PROP. CURVE PR_SEG225
 PI STA. = 235+64.12
 $\Delta = 17^\circ 01' 03''$ (LT)
 D = 57' 17" 45"
 R = 100.00'
 T = 14.96'
 L = 29.70'
 E = 1.11'
 P.C. STA. = 235+49.16
 P.T. STA. = 235+78.86

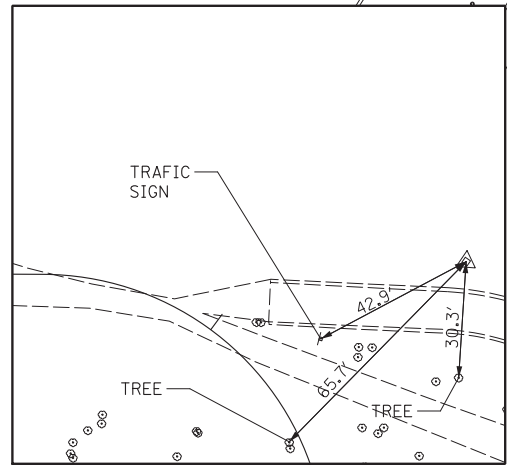
PROP. CURVE PR_SEG227
 PI STA. = 236+62.19
 $\Delta = 25^\circ 55' 59''$ (LT)
 D = 57' 17" 45"
 R = 100.00'
 T = 23.03'
 L = 45.26'
 E = 2.62'
 P.C. STA. = 236+39.16
 P.T. STA. = 236+84.43



CP 6453 - REBAR
 STA. 231+49.76, 13.59' RT
 N 1940861.85
 E 1114475.48



CP 6428 - REBAR
 STA. 233+11.01, 12.94' RT
 N 1940914.33
 E 1114319.15



CP 5963 - REBAR
 STA. 238+24.05, 60.77' LT
 N 1941328.0
 E 1113981.32

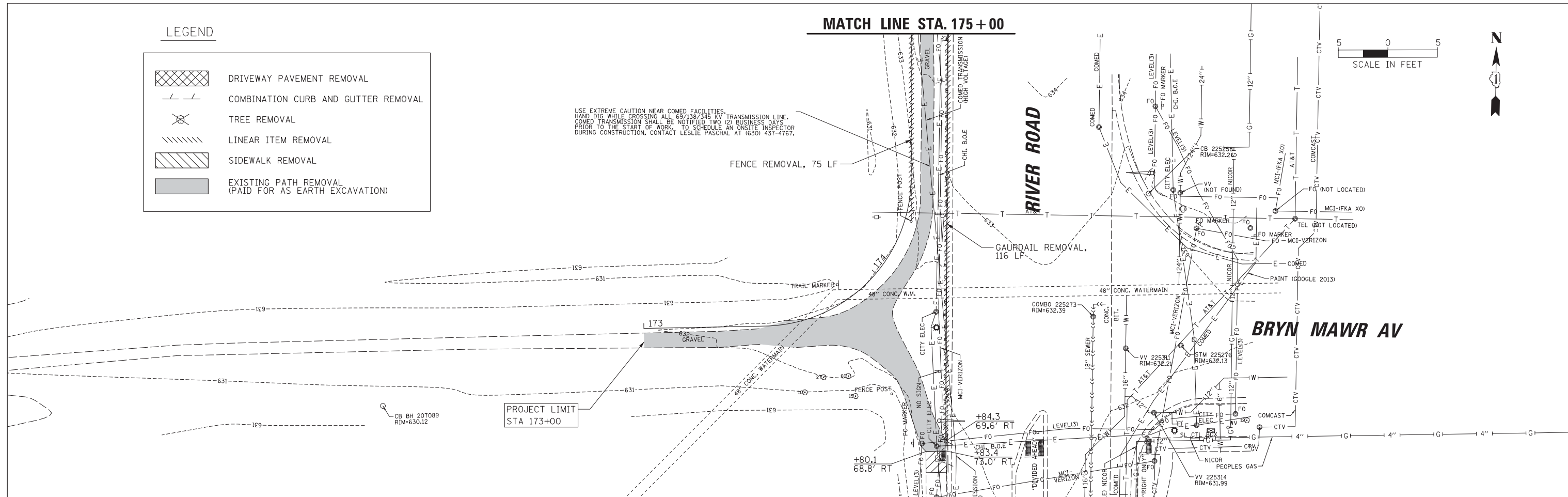
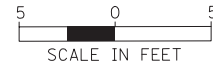
DES PLAINES RIVER TRAIL BASELINE			
STATION	LABEL	NORTHING	EASTING
228+57.46	PC	1940608.18	1114618.23
228+92.25	PRC	1940632.96	1114594.06
230+02.52	PRC	1940721.52	1114531.83
230+36.63	PRC	1940752.75	1114518.55
230+54.91	PT	1940768.87	1114509.97
231+10.75	PC	1940820.17	1114487.91
232+05.85	PT	1940878.38	1114417.24
232+87.19	PC	1940895.62	1114337.75
234+03.84	PT	1940952.74	1114238.13
235+19.76	PC	1941038.09	1114159.70
235+49.16	PRC	1941062.33	1114143.25
235+78.86	PRC	1941086.79	1114126.60
236+39.16	PRC	1941140.41	1114101.05
236+84.43	PT	1941182.26	1114084.84
237+53.30	PC	1941239.27	1114046.19

LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	LINEAR ITEM REMOVAL
	SIDEWALK REMOVAL
	EXISTING PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)

USE EXTREME CAUTION NEAR COMED FACILITIES. HAND DIG WHILE CROSSING ALL 69/138/245 KV TRANSMISSION LINE. COMED TRANSMISSION SHALL BE NOTIFIED TWO (2) BUSINESS DAYS PRIOR TO THE START OF WORK. TO SCHEDULE AN ONSITE INSPECTOR DURING CONSTRUCTION, CONTACT LESLIE PASCHAL AT (630) 437-4767.

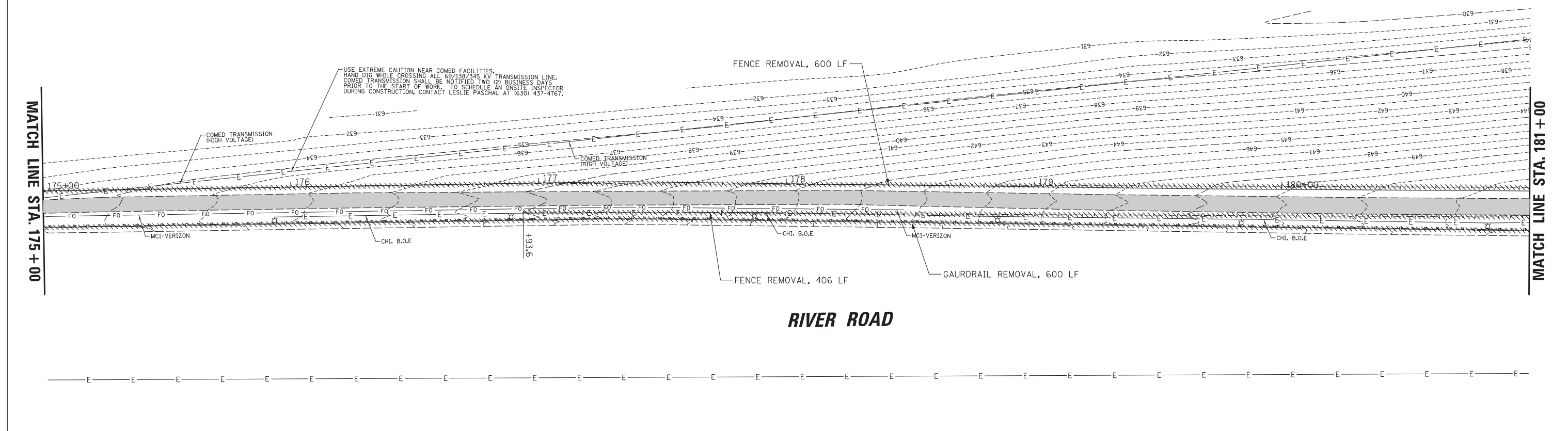
MATCH LINE STA. 175 + 00



MATCH LINE STA. 175 + 00

MATCH LINE STA. 181 + 00

USE EXTREME CAUTION NEAR COMED FACILITIES. HAND DIG WHILE CROSSING ALL 69/138/245 KV TRANSMISSION LINE. COMED TRANSMISSION SHALL BE NOTIFIED TWO (2) BUSINESS DAYS PRIOR TO THE START OF WORK. TO SCHEDULE AN ONSITE INSPECTOR DURING CONSTRUCTION, CONTACT LESLIE PASCHAL AT (630) 437-4767.



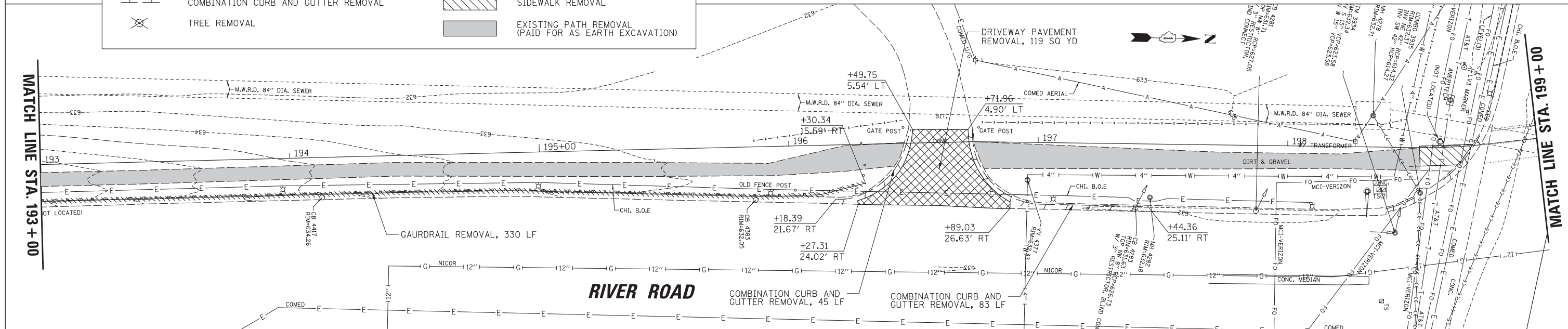
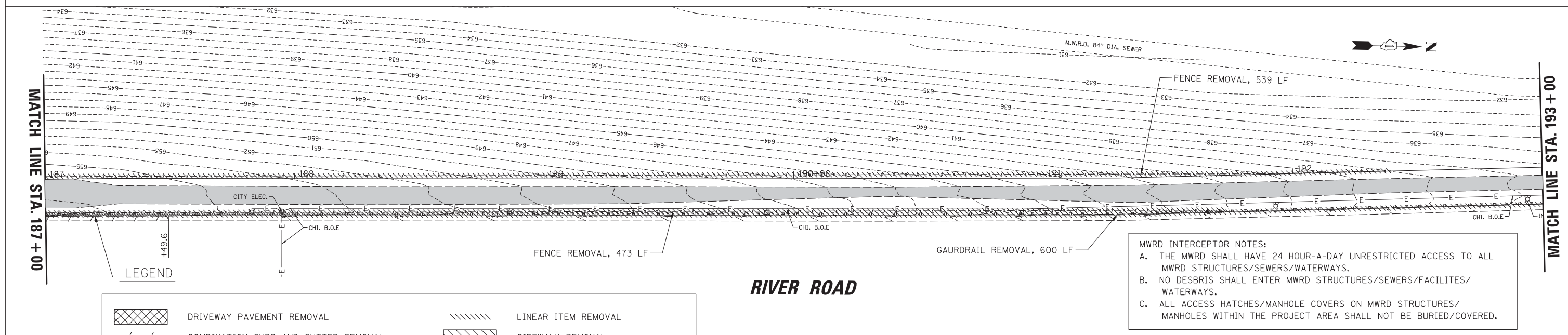
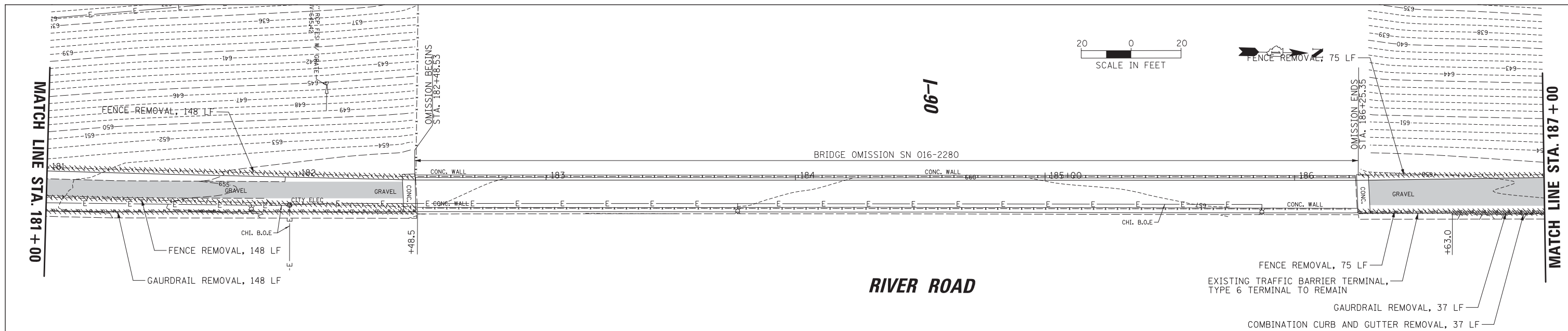
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
EXISTING CONDITIONS, REMOVAL, AND EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	24
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

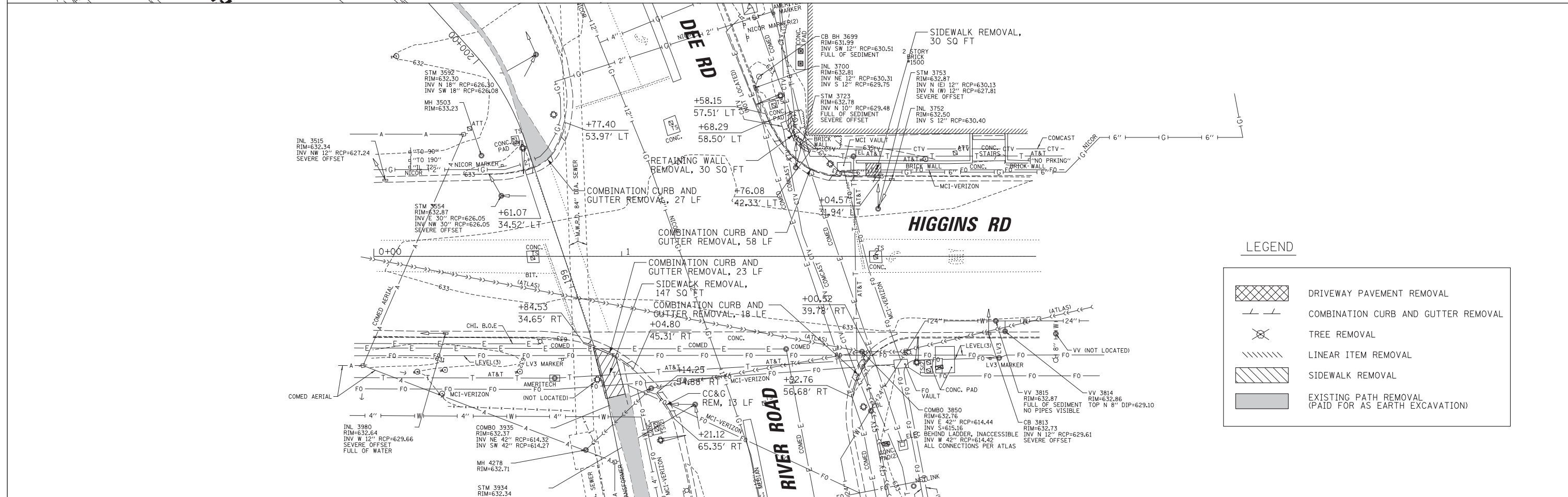
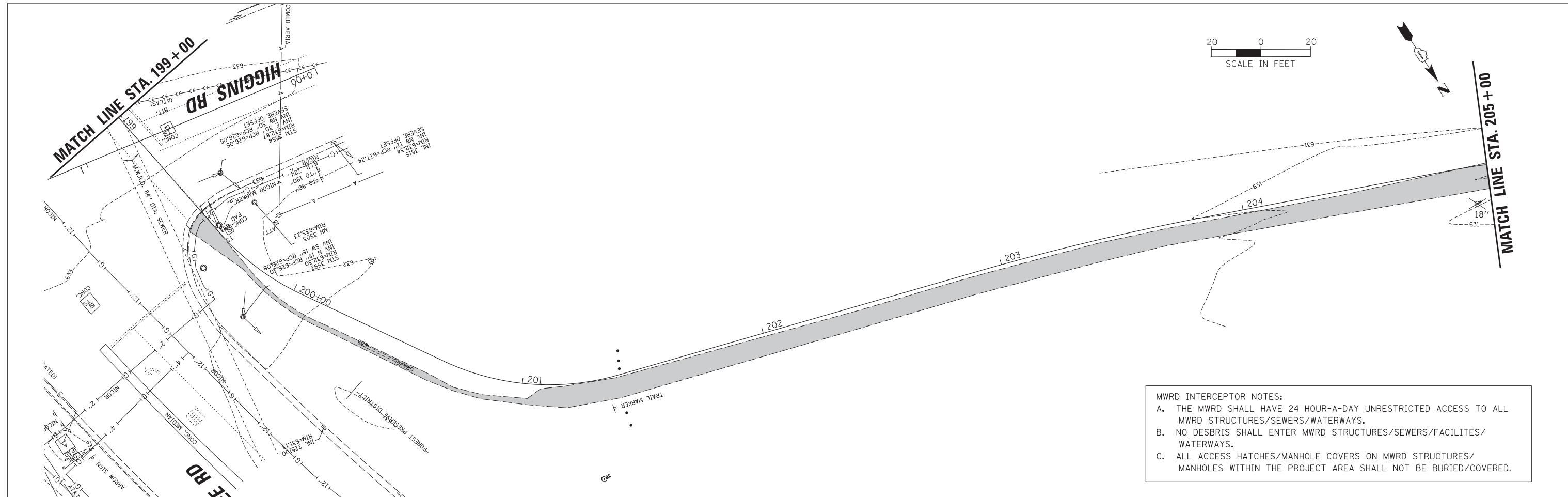


FILE NAME = N:\ROSEMONT\860001.2127A\Civil\REM.2127A	USER NAME = mworan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 EXISTING CONDITIONS, REMOVAL, AND EROSION CONTROL PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	02.SHT	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	137	25
	PLOT SCALE = 28'	CHECKED -	REVISED -									CONTRACT NO. 61H78	
	PLOT DATE = 4/26/2022	DATE -	REVISED -									ILLINOIS FED. AID PROJECT	



MWRD INTERCEPTOR NOTES:

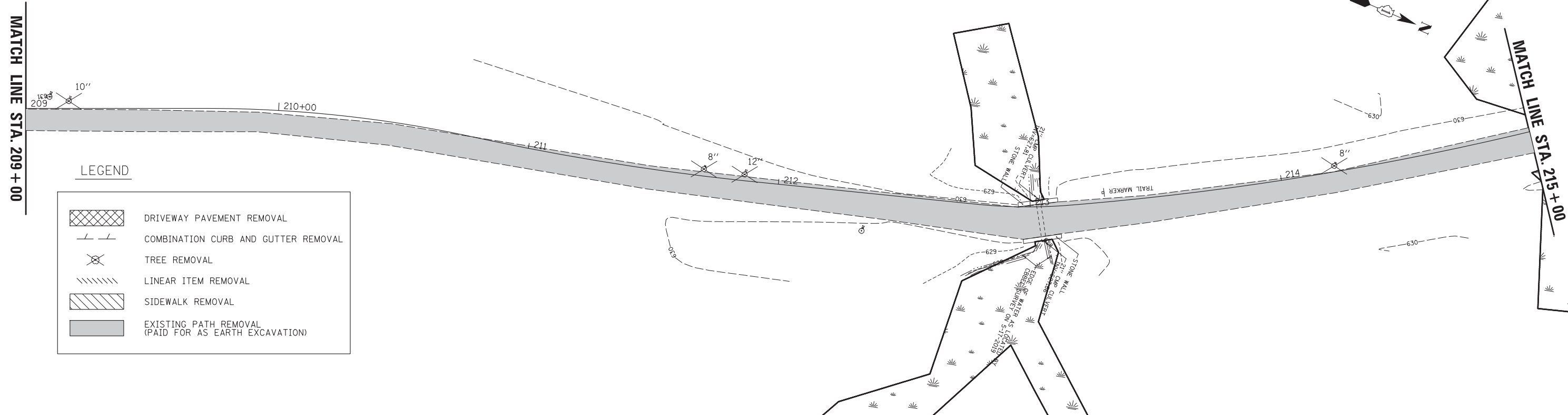
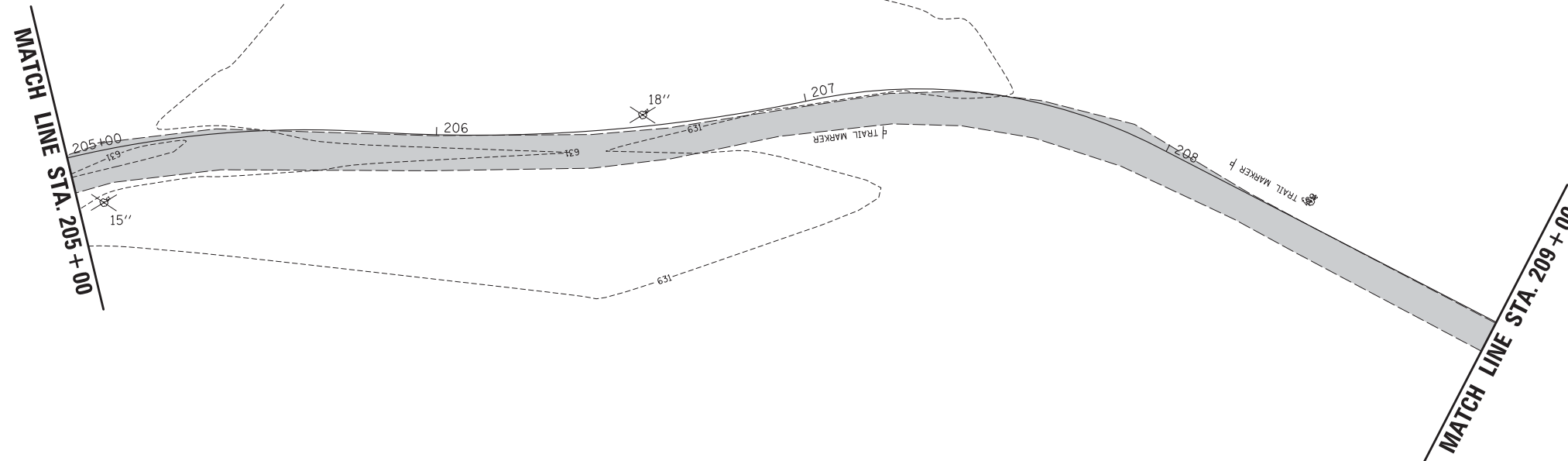
- THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/WATERWAYS.
- NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
- ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.







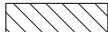

LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	LINEAR ITEM REMOVAL
	SIDEWALK REMOVAL
	EXISTING PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)

FILE NAME = N:\ROSEMONT\860001.2127A\Civil\REM.2127A	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 EXISTING CONDITIONS, REMOVAL, AND EROSION CONTROL PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 28'	DRAWN -	REVISED -					17-00034-00-BT	COOK	137	26
	PLOT DATE = 4/26/2022	CHECKED -	REVISED -			CONTRACT NO. 61H78					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



LEGEND

-  DRIVEWAY PAVEMENT REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  TREE REMOVAL
-  LINEAR ITEM REMOVAL
-  SIDEWALK REMOVAL
-  EXISTING PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)

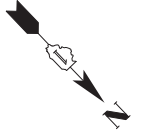
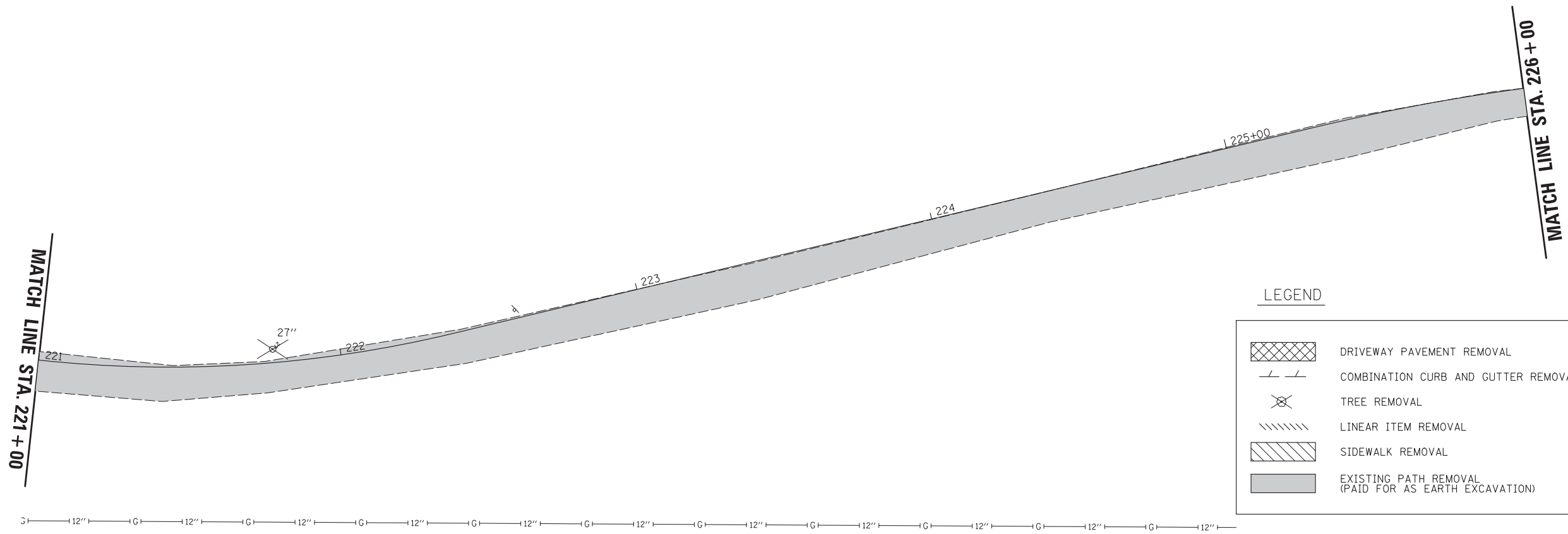
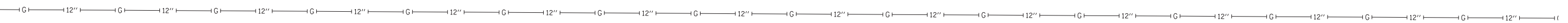
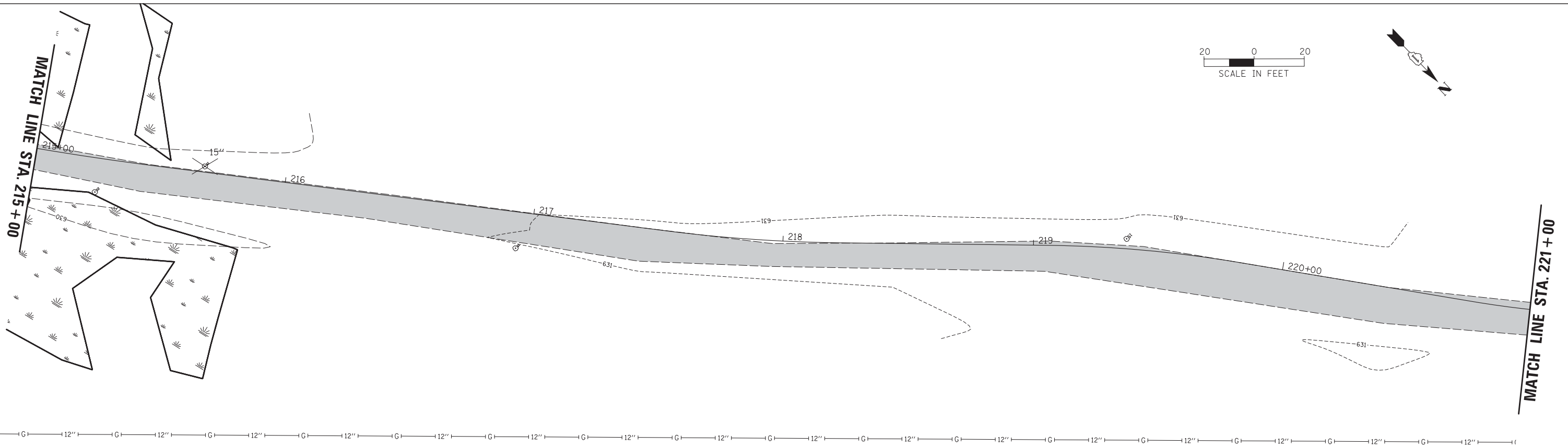
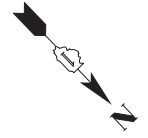
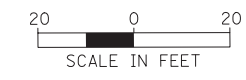
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Default		CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 2
EXISTING CONDITIONS, REMOVAL, AND EROSION CONTROL PLAN**

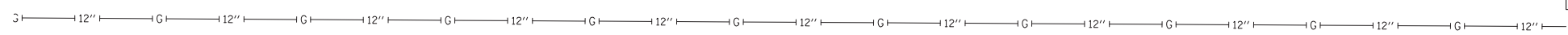
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	27
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	LINEAR ITEM REMOVAL
	SIDEWALK REMOVAL
	EXISTING PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 2
EXISTING CONDITIONS, REMOVAL, AND EROSION CONTROL PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	28
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

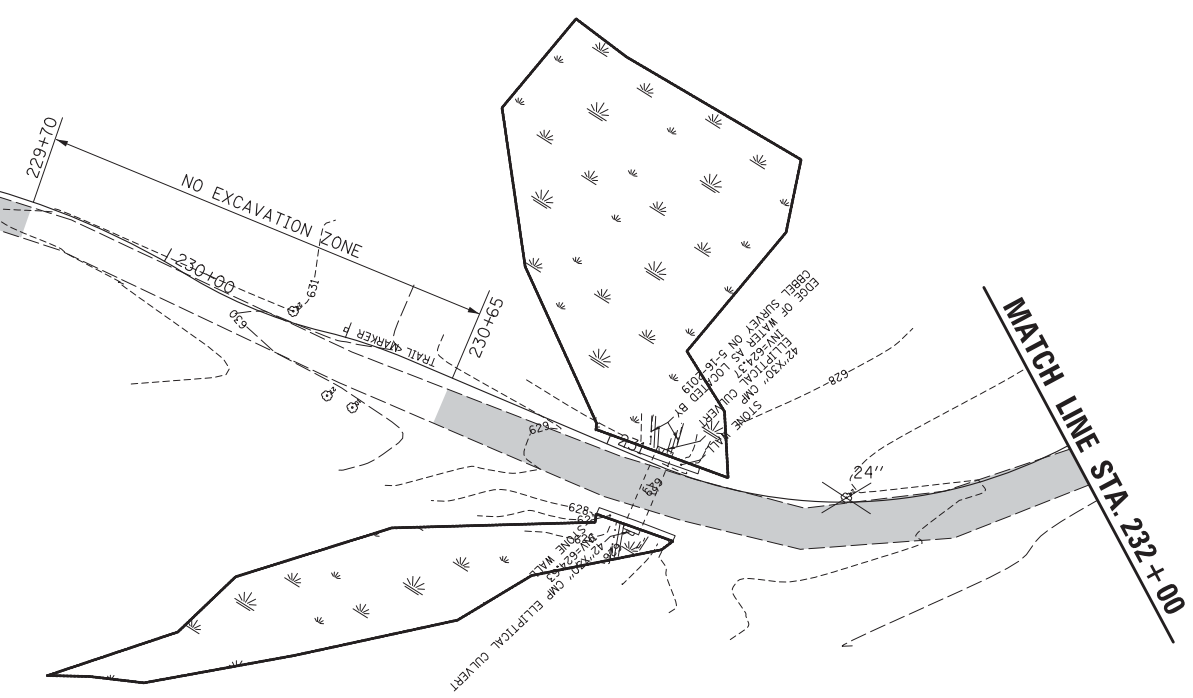
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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MATCH LINE STA. 226+00

LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	LINEAR ITEM REMOVAL
	SIDEWALK REMOVAL
	EXISTING PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)



MATCH LINE STA. 232+00

MWRD INTERCEPTOR NOTES:
 A. THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/WATERWAYS.
 B. NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITIES/WATERWAYS.
 C. ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.

MATCH LINE STA. 232+00

PROJECT LIMIT
STA. 237+53.30

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ROSEMONT\860001.2127A\Civil\REM.2127A.06.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

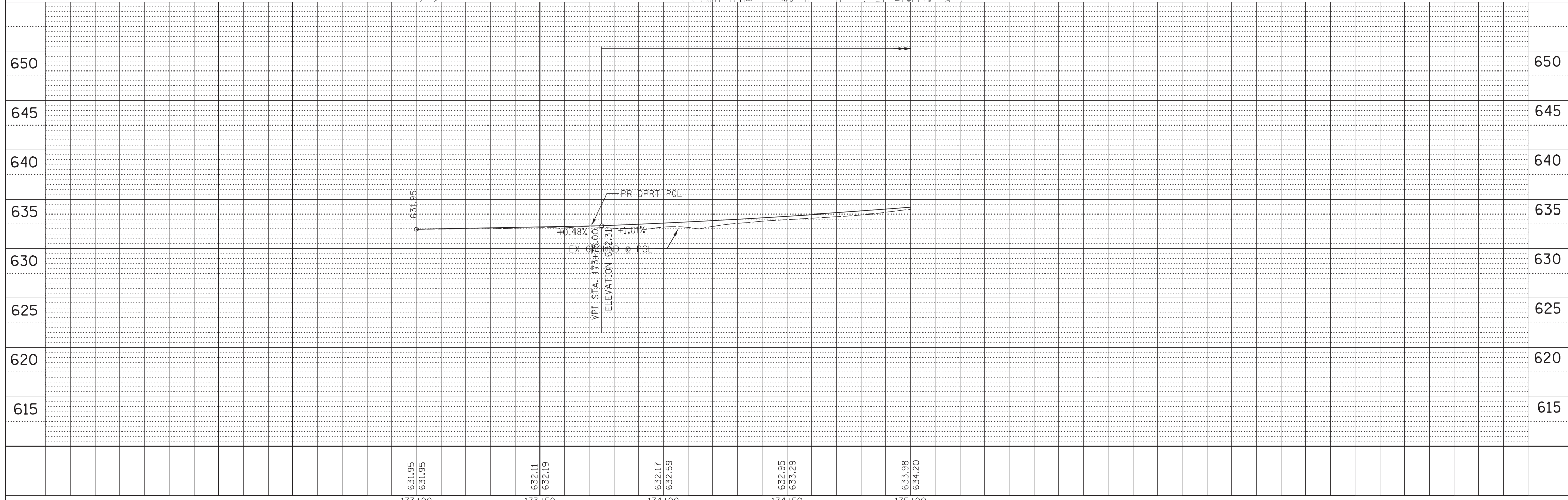
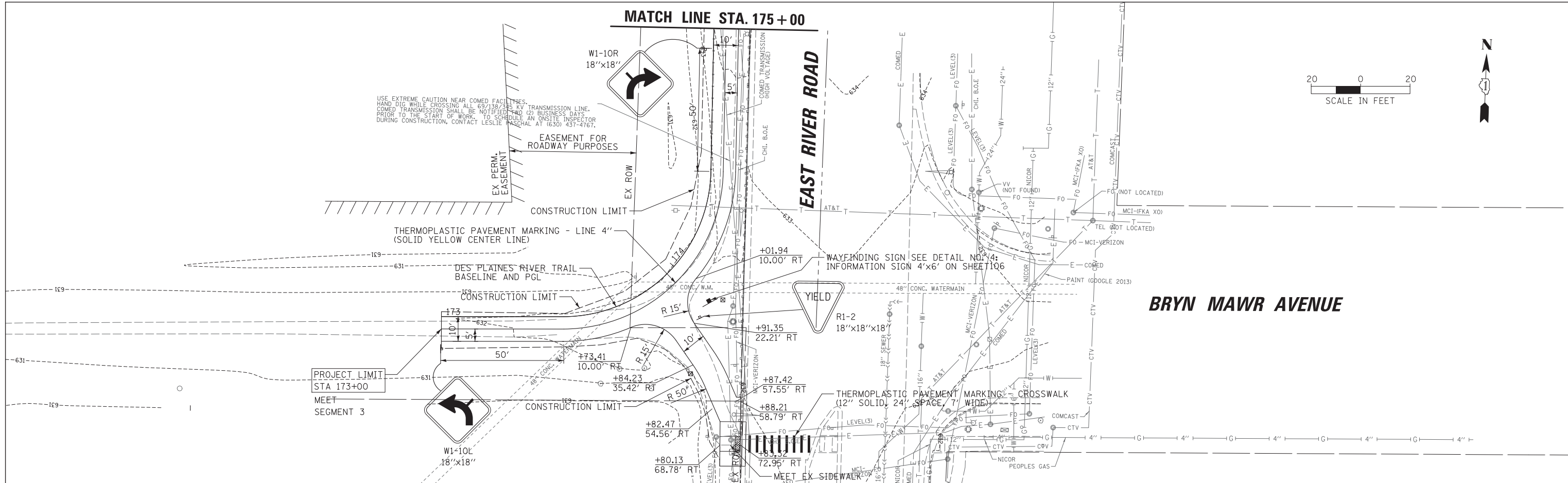
DES PLAINES RIVER TRAIL SEGMENT 2
EXISTING CONDITIONS, REMOVAL, AND EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	29
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CARD FILE NAME		
	NO.		

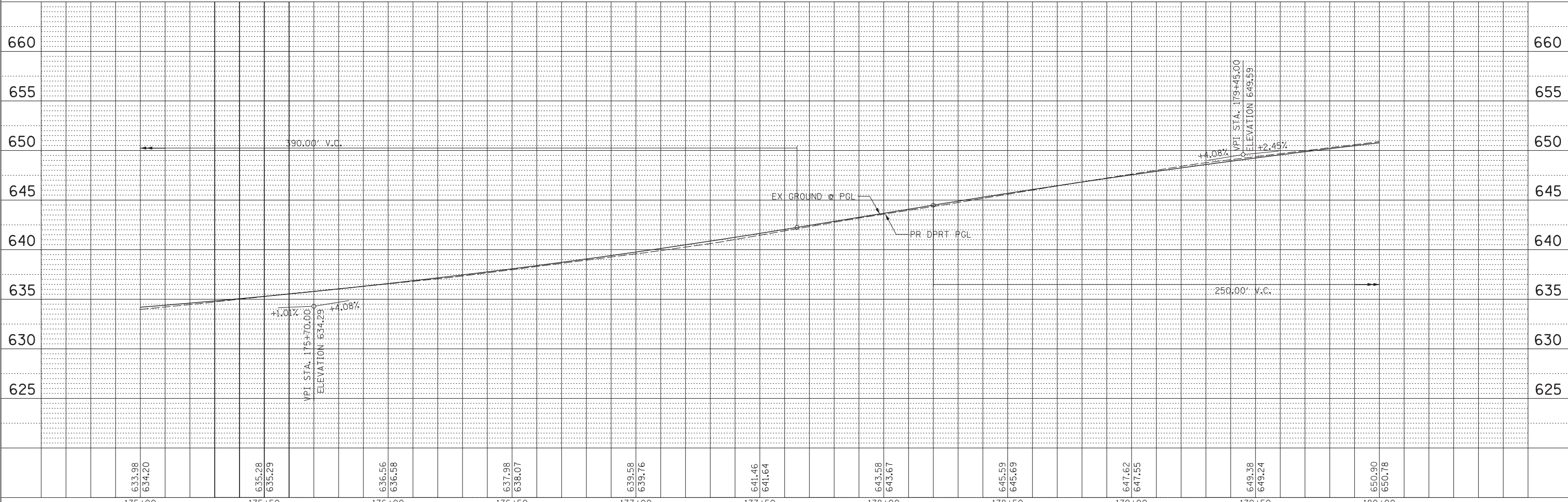
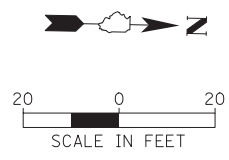
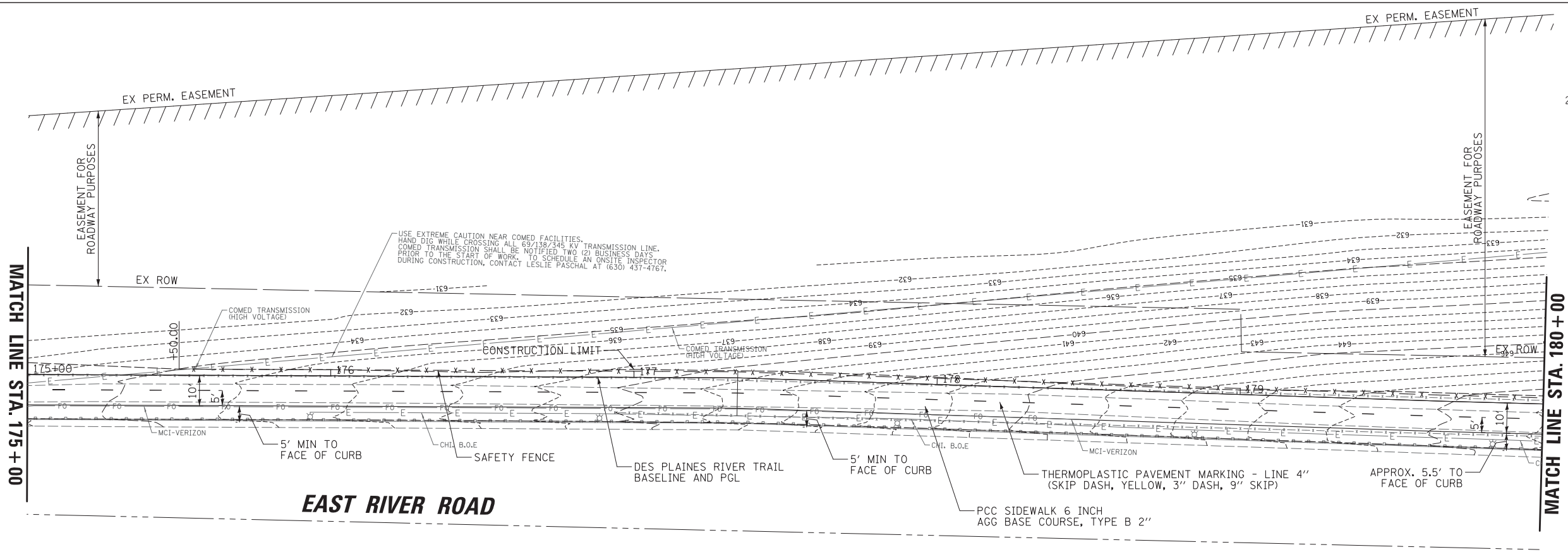
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHRD		
	NO.		



FILE NAME = N:\ROSEMONT\860001.2127A\Civ1\RPP.2127A_01.SHT	USER NAME = mworan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 PLAN AND PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 28'	DRAWN -	REVISED -			17-00034-00-BT	COOK	137	30	
	PLOT DATE = 4/26/2022	CHECKED -	REVISED -			CONTRACT NO. 61H78				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT		
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	FILE NAME		

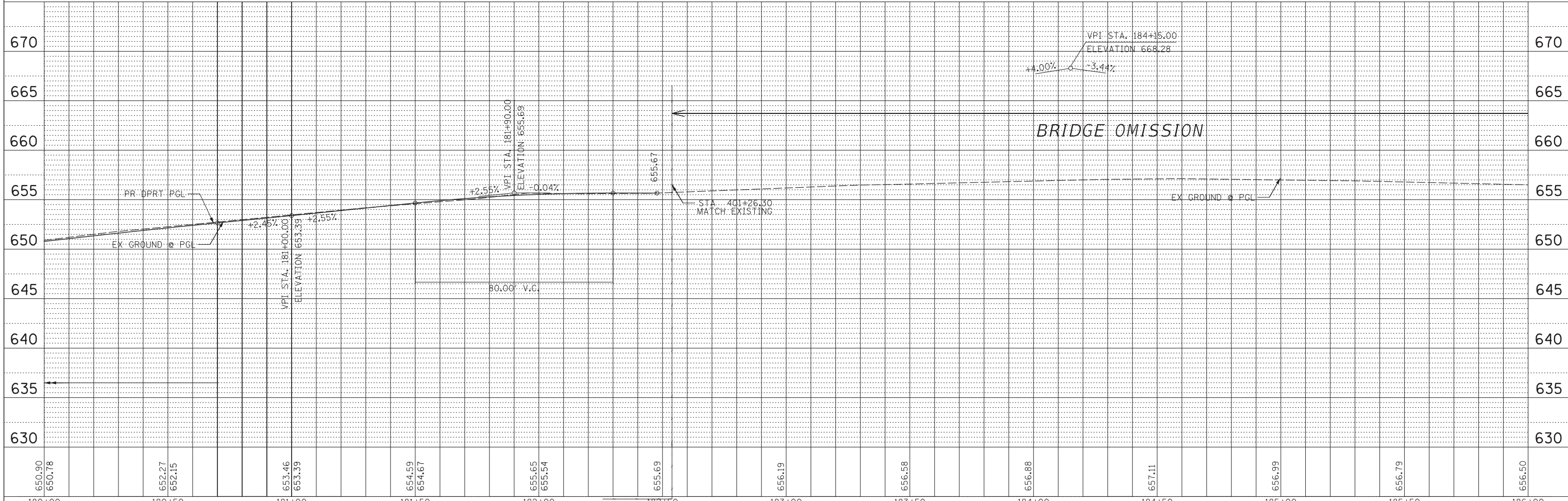
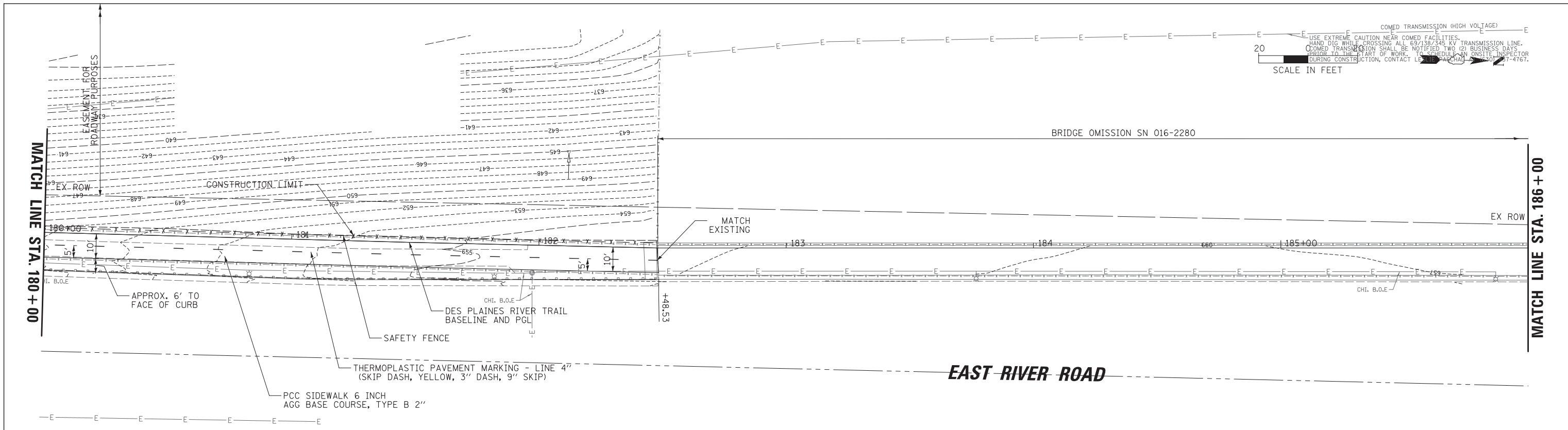
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT		
	NO.		
	NOTATION CHD		



FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 PLAN AND PROFILE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROSEMONT\860001.2127A\Civ1\RPP.2127A_02.SHT		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	17-00034-00-BT	COOK	137	31
Default	PLOT SCALE = 28'	CHECKED -	REVISED -								CONTRACT NO. 61H78			
	PLOT DATE = 4/26/2022	DATE -	REVISED -								ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	CARD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATION	
	CHWD	
	NO.	



FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

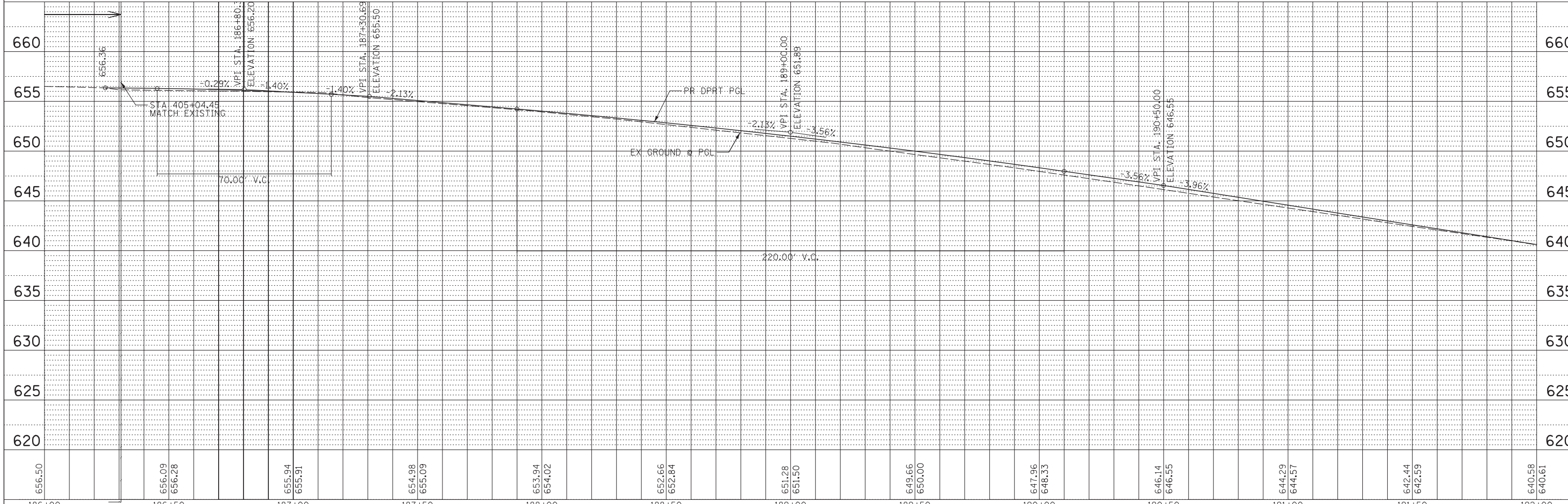
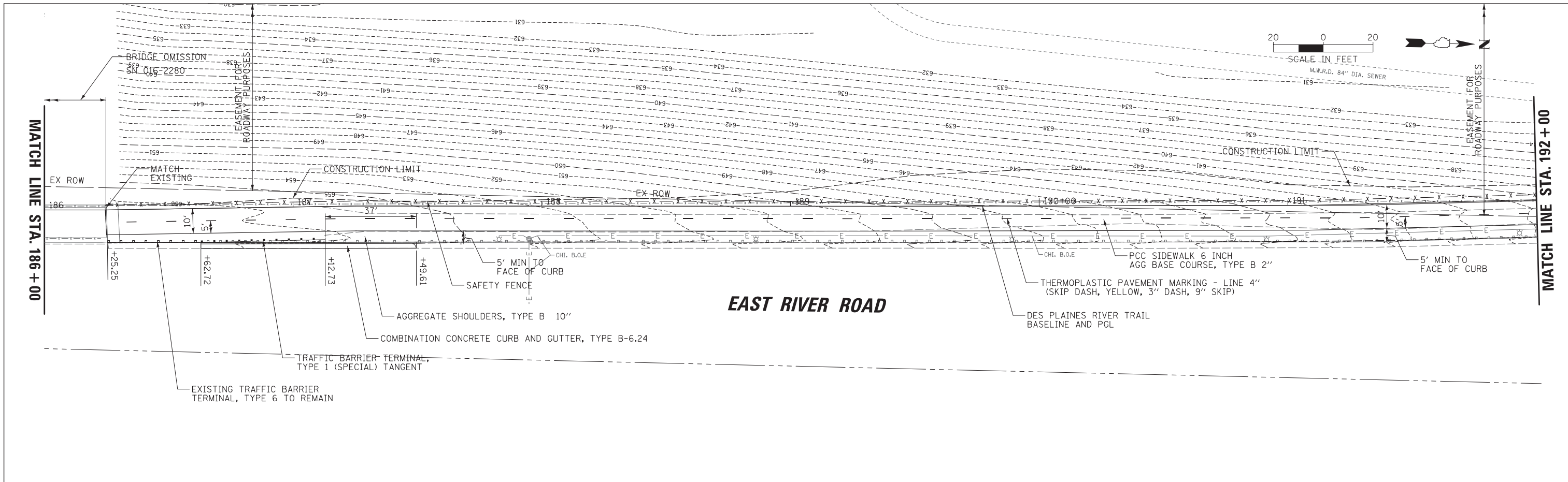
**DES PLAINES RIVER TRAIL SEGMENT 2
PLAN AND PROFILE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	32
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

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

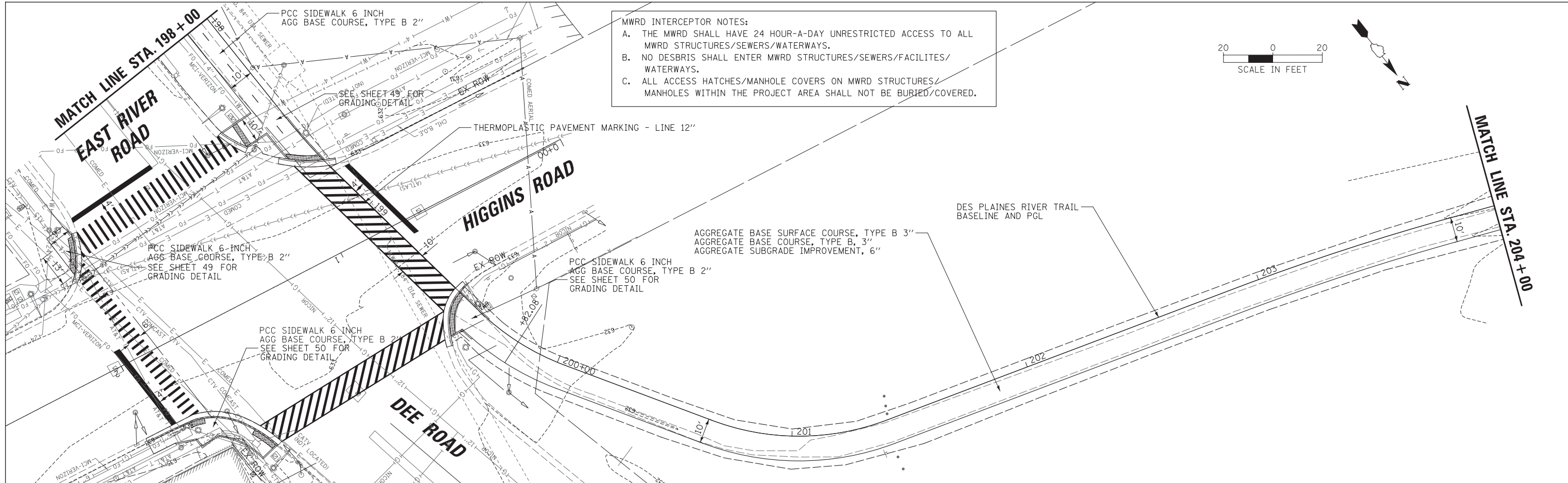
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATION	
	NO.	



FILE NAME = N:\ROSEMONT\860001.2127A\Civ1\RPP.2127A_04.SHT	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 PLAN AND PROFILE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 28'	DRAWN -	REVISED -						17-00034-00-BT	COOK	137	33	
PLOT DATE = 4/26/2022	CHECKED -	REVISED -	CONTRACT NO. 61H78						ILLINOIS FED. AID PROJECT				
DATE -	REVISED -	SCALE:	SHEET						OF	SHEETS	STA.	TO	STA.

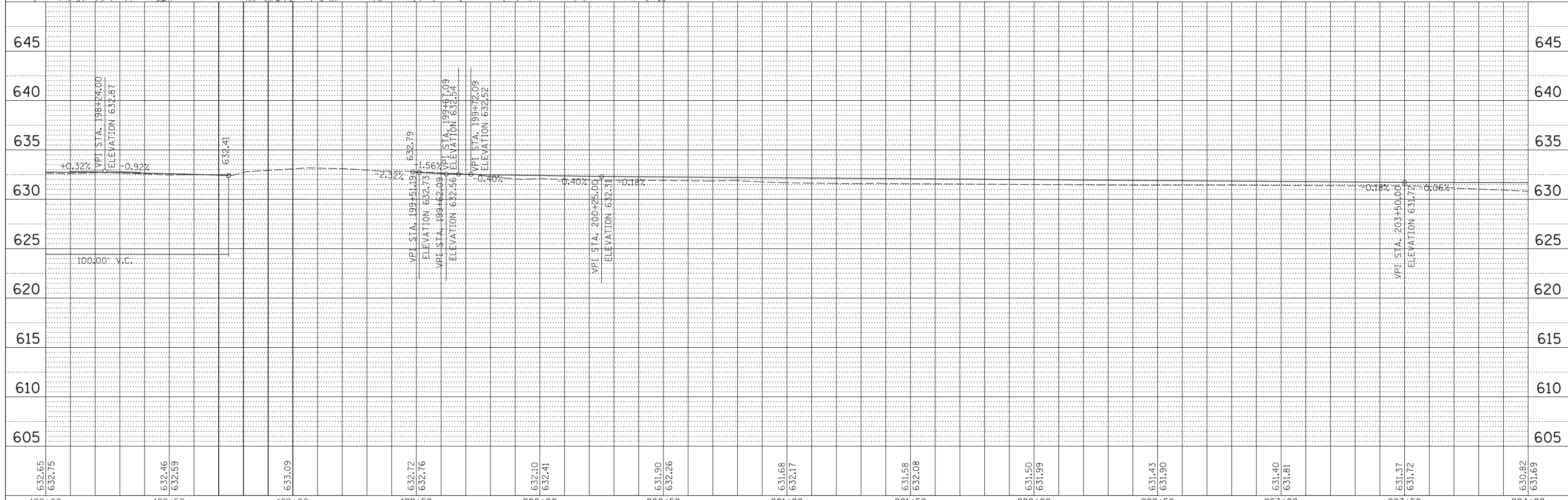
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



MWRD INTERCEPTOR NOTES:

- THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/WATERWAYS.
- NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
- ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.



FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -
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Default		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

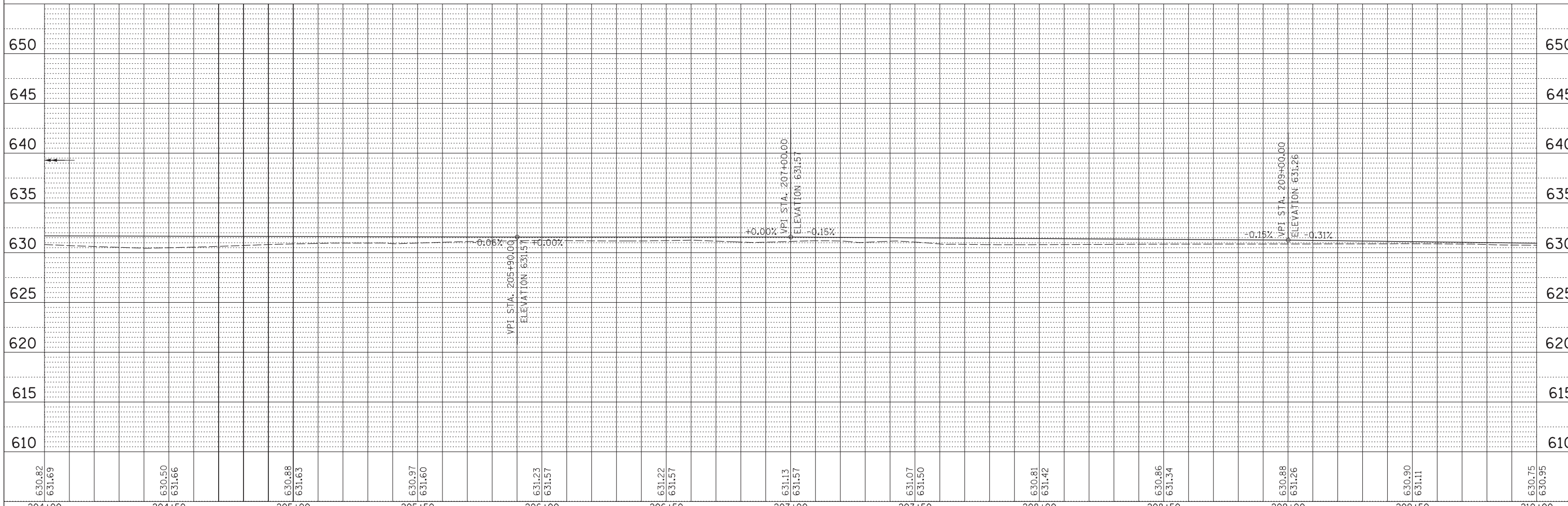
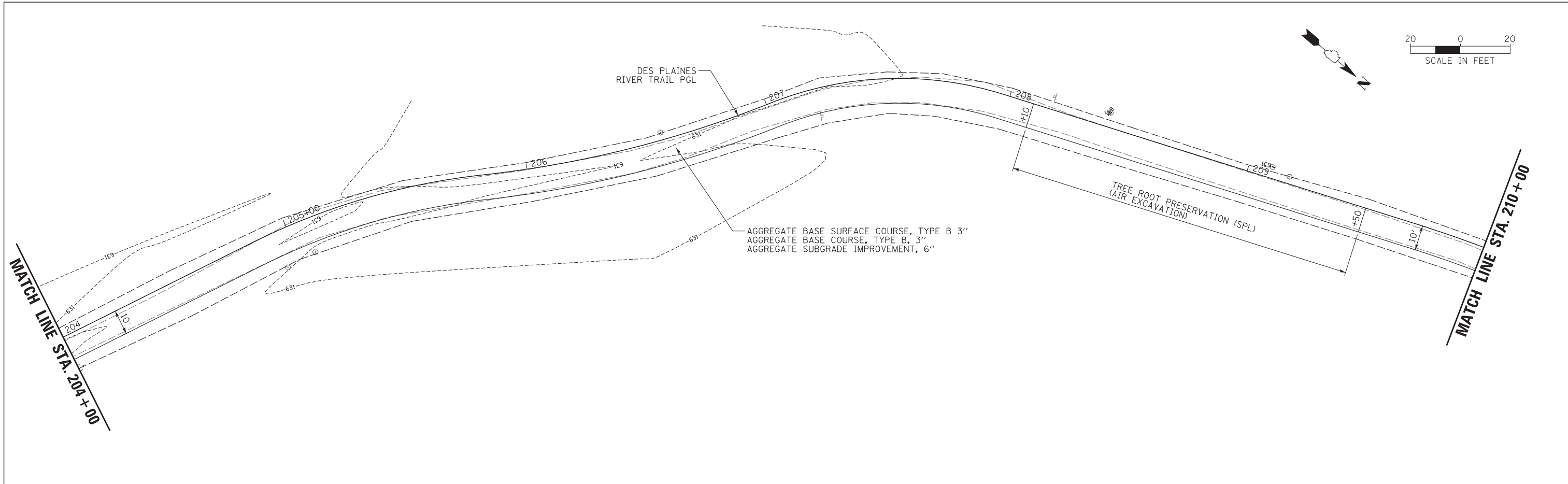
**DES PLAINES RIVER TRAIL SEGMENT 2
PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	35
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CARD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATION CHD		
	NO.		



FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

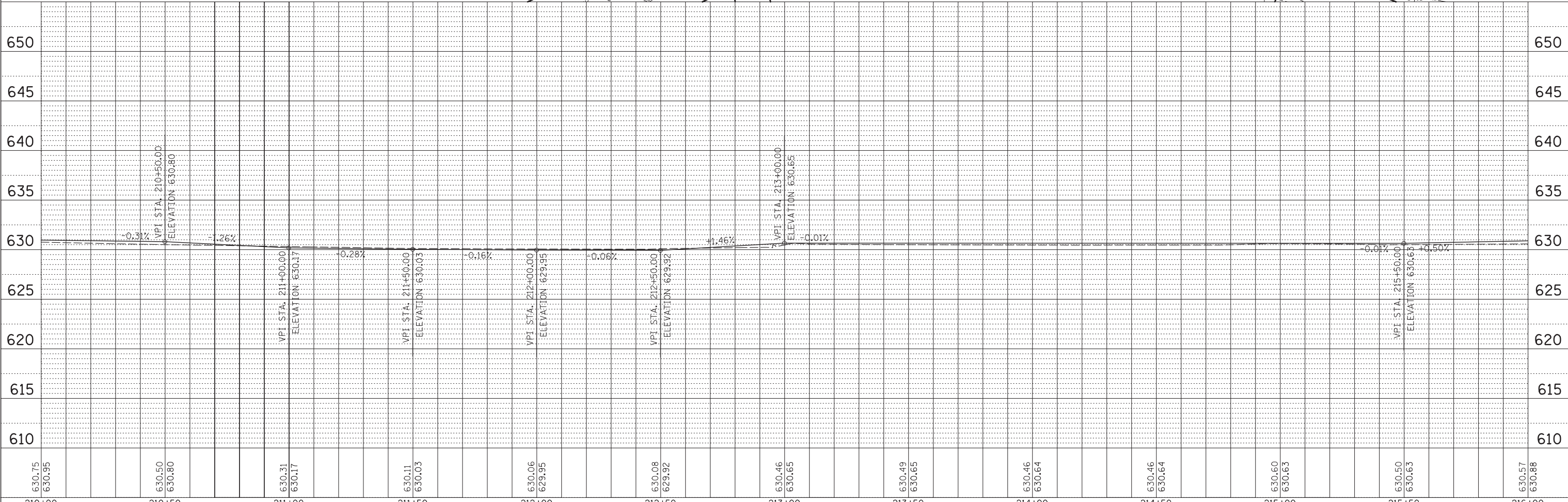
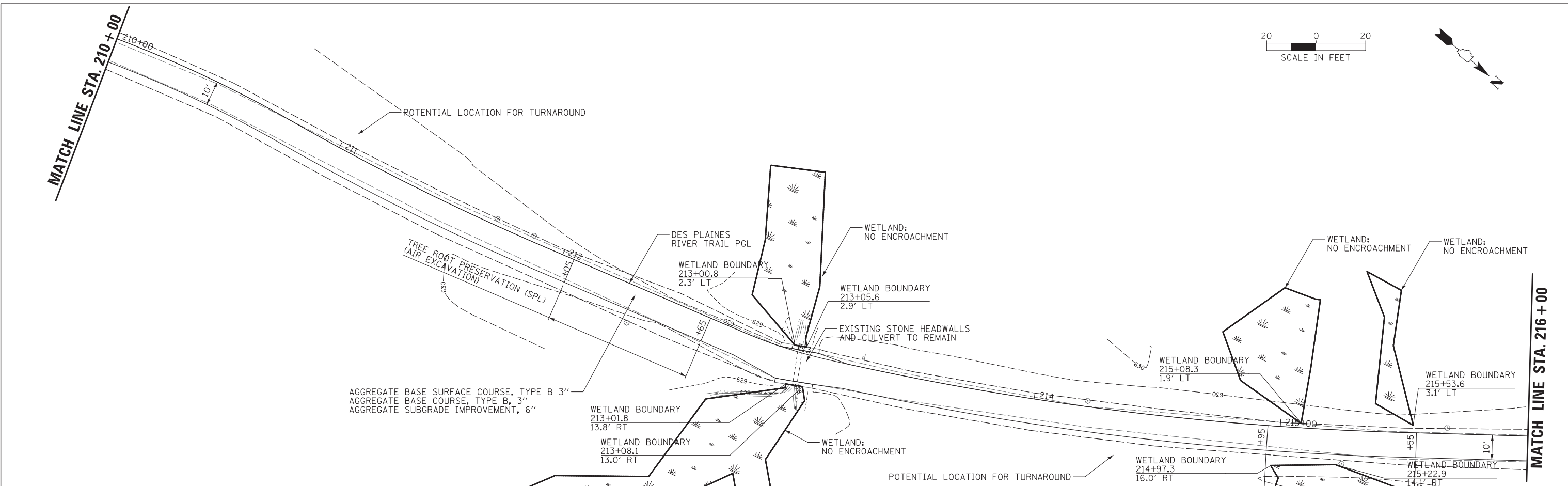
**DES PLAINES RIVER TRAIL SEGMENT 2
PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	36
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
	CARD FILE NAME	
NOTE BOOK NO.		

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



FILE NAME = N:\ROSEMONT\860001\2127A\Civ1\RPP_2127A_08.SHT	USER NAME = mworan	DESIGNED -	REVISED -
Default	PLOT SCALE = 28'	DRAWN -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

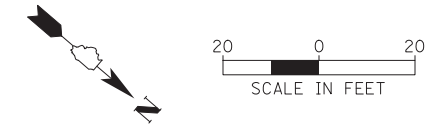
**DES PLAINES RIVER TRAIL SEGMENT 2
PLAN AND PROFILE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	37
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

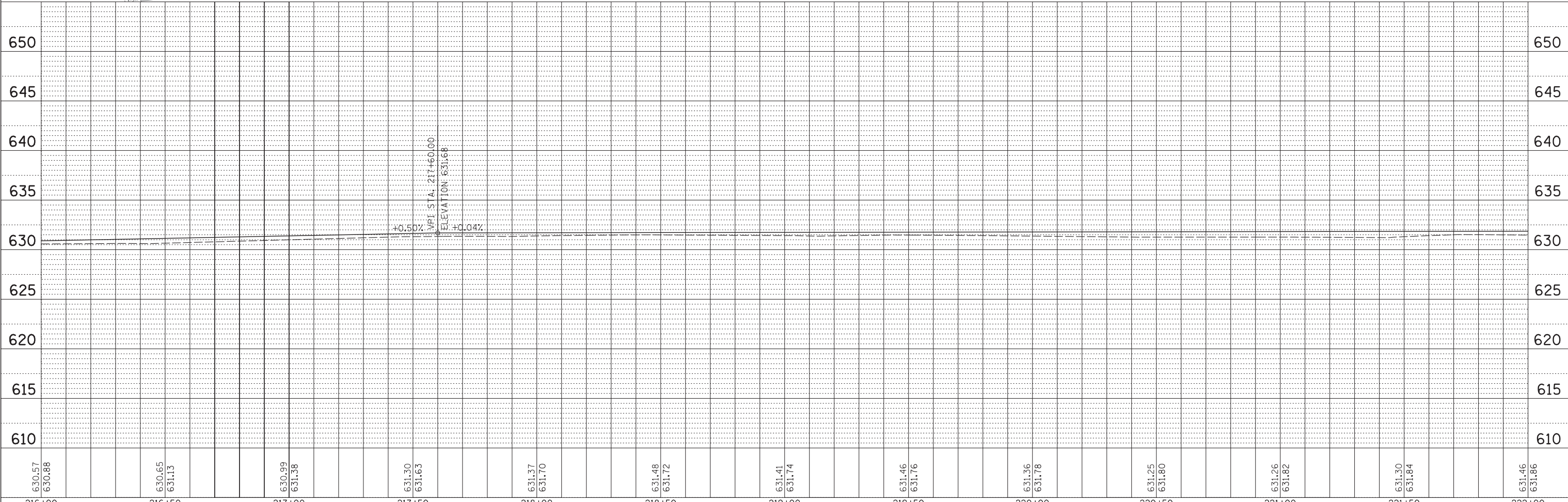
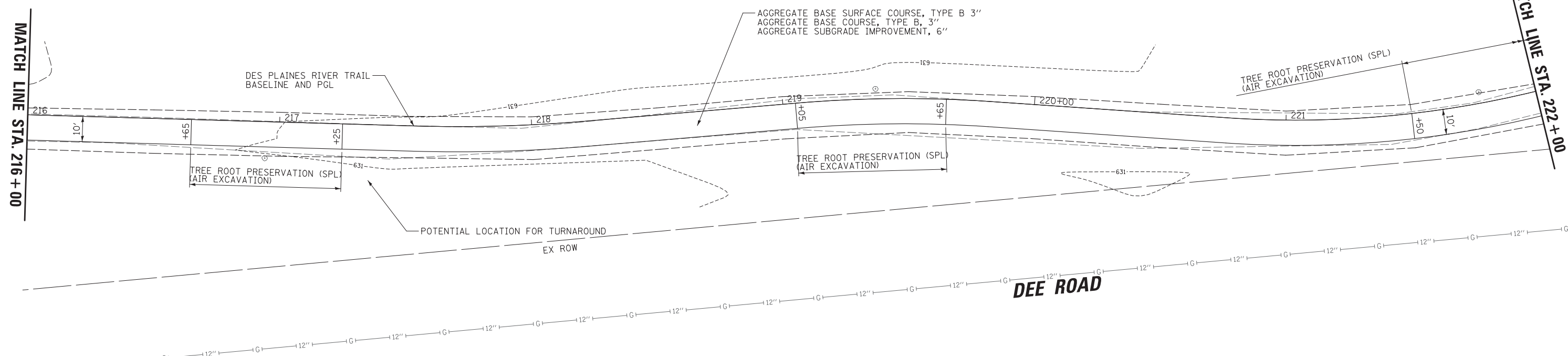
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHWD	
	NO.	



MATCH LINE STA. 216 + 00

MATCH LINE STA. 222 + 00



630.57	630.88	630.65	631.13	630.99	631.38	631.30	631.63	631.37	631.70	631.48	631.72	631.41	631.74	631.46	631.76	631.36	631.78	631.25	631.80	631.26	631.82	631.30	631.84	631.46	631.86	
216+00	216+50	217+00	217+50	218+00	218+50	219+00	219+50	220+00	220+50	221+00	221+50	222+00														

FILE NAME = N:\ROSEMONT\860001.2127A\Civ11\RPP.2127A_01.SHT
 Default

USER NAME = mworman
 PLOT SCALE = 28'
 PLOT DATE = 4/26/2022

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

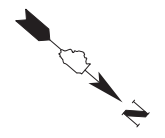
**DES PLAINES RIVER TRAIL SEGMENT 2
 PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	38
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	

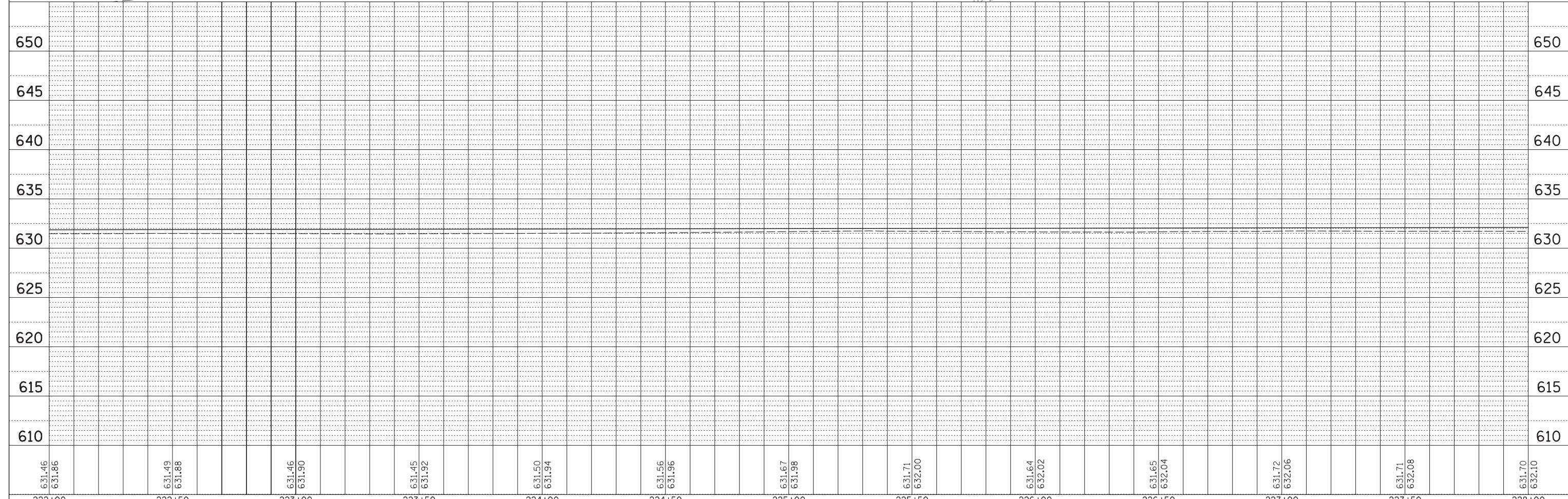
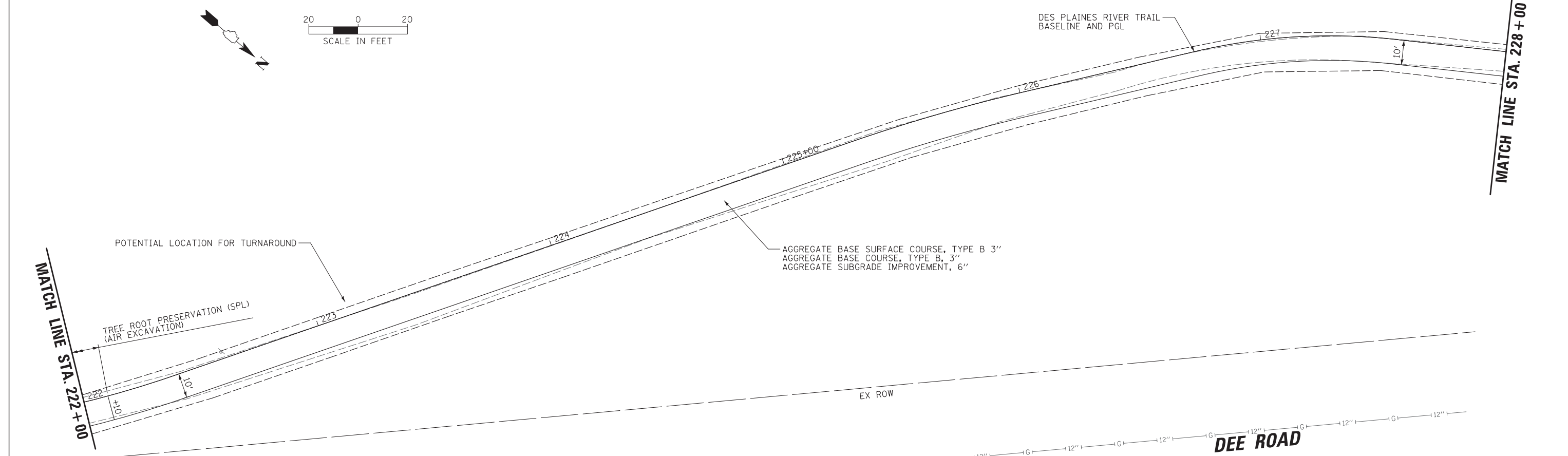
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CARD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHFD		
	NO.		



MATCH LINE STA. 222 + 00

MATCH LINE STA. 228 + 00



631.46	631.86	631.49	631.88	631.46	631.90	631.45	631.92	631.50	631.94	631.56	631.96	631.67	631.98	631.71	632.00	631.64	632.02	631.65	632.04	631.72	632.06	631.71	632.08	631.70	632.10	
222+00	222+50	223+00	223+50	224+00	224+50	225+00	225+50	226+00	226+50	227+00	227+50	228+00														

FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DES PLAINES RIVER TRAIL SEGMENT 2			
PLAN AND PROFILE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	39
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
NOTE BOOK NO.	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
NOTE BOOK NO.	NOTATION CHD		



MATCH LINE STA. 228 + 00

MATCH LINE STA. 234 + 00

NO EXCAVATION ZONE
STA. 229+70 TO STA. 230+65
(SEE TYPICAL SECTIONS)
(THICKNESS VARY, BUT PAID FOR AS:
AGGREGATE BASE SURFACE COURSE, TYPE B 3"
AGGREGATE BASE COURSE, TYPE B, 3"
AGGREGATE SUBGRADE IMPROVEMENT, 6")

AGGREGATE BASE SURFACE COURSE, TYPE B 3"
AGGREGATE BASE COURSE, TYPE B, 3"
AGGREGATE SUBGRADE IMPROVEMENT, 6"

TREE ROOT PRESERVATION (SPL)
(AIR EXCAVATION)

DES PLAINES RIVER TRAIL
BASELINE AND PGL

AGGREGATE BASE SURFACE COURSE, TYPE B 3"
AGGREGATE BASE COURSE, TYPE B, 3"
AGGREGATE SUBGRADE IMPROVEMENT, 6"

WETLAND: NO ENCROACHMENT

WETLAND BOUNDARY
231+03.7
14.4' RT

WETLAND BOUNDARY
231+19.4
13.8' RT

EXISTING STONE HEADWALLS
AND CULVERT TO REMAIN

EX ROW

WETLAND: NO ENCROACHMENT

WETLAND BOUNDARY
230+96.8
1.8' LT

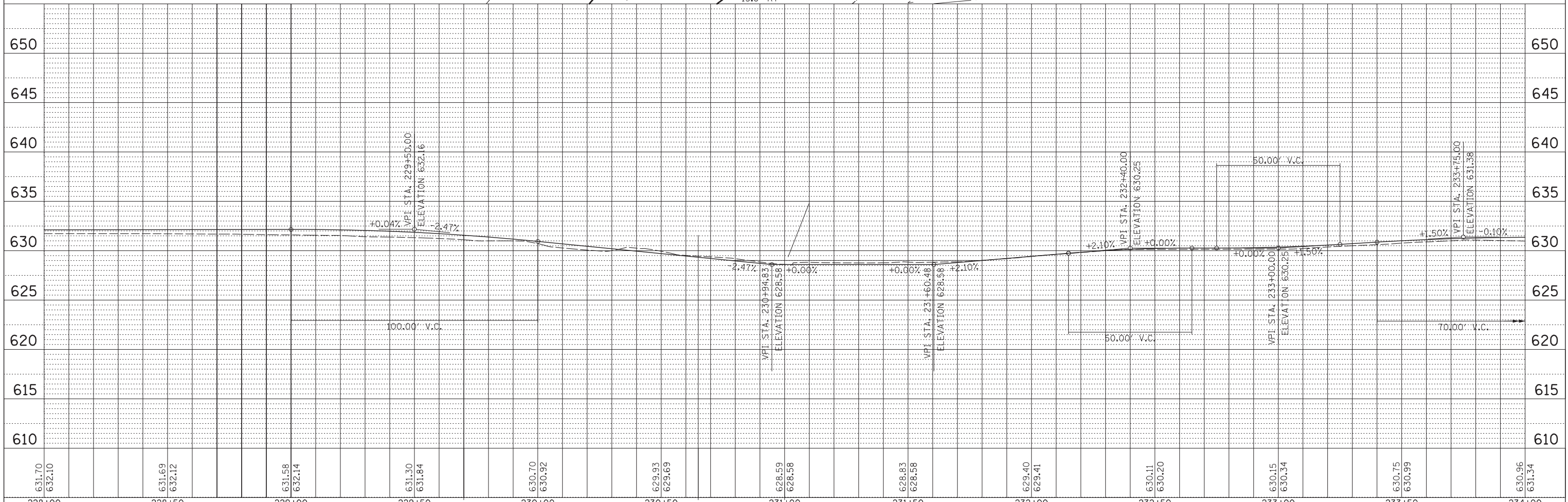
WETLAND BOUNDARY
231+26.4
2.2' LT

PCC SIDEWALK 6 INCH
AGG BASE COURSE, TYPE B 2"
AGGREGATE SUBGRADE
IMPROVEMENT, 6"

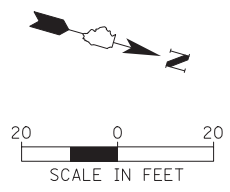
AGGREGATE BASE SURFACE COURSE, TYPE B 3"
AGGREGATE BASE COURSE, TYPE B, 3"
AGGREGATE SUBGRADE IMPROVEMENT, 6"

TREE ROOT PRESERVATION (SPL)
(AIR EXCAVATION)

POTENTIAL LOCATION FOR TURNAROUND

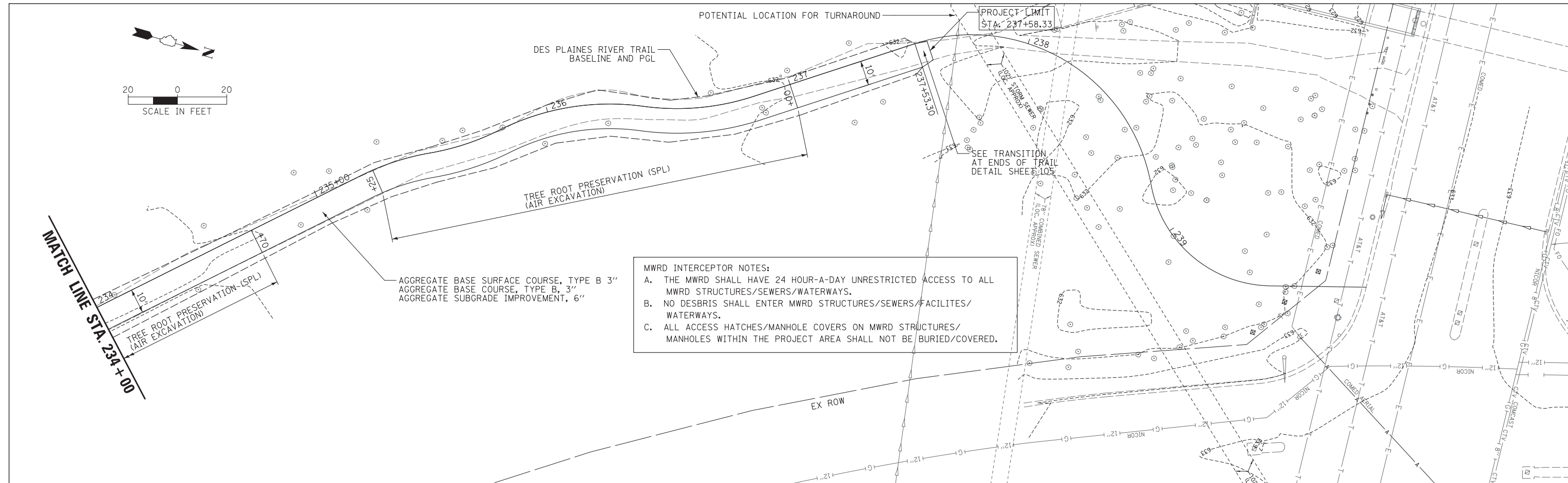


FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DES PLAINES RIVER TRAIL SEGMENT 2 PLAN AND PROFILE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\ROSEMONT\860001.2127A\Civ1\NPP.2127A_11.SHT		DRAWN -	REVISED -									17-00034-00-BT	COOK	137	40			
Default	PLOT SCALE = 28'	CHECKED -	REVISED -					CONTRACT NO. 61H78				ILLINOIS FED. AID PROJECT						
	PLOT DATE = 4/26/2022	DATE -	REVISED -					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.				



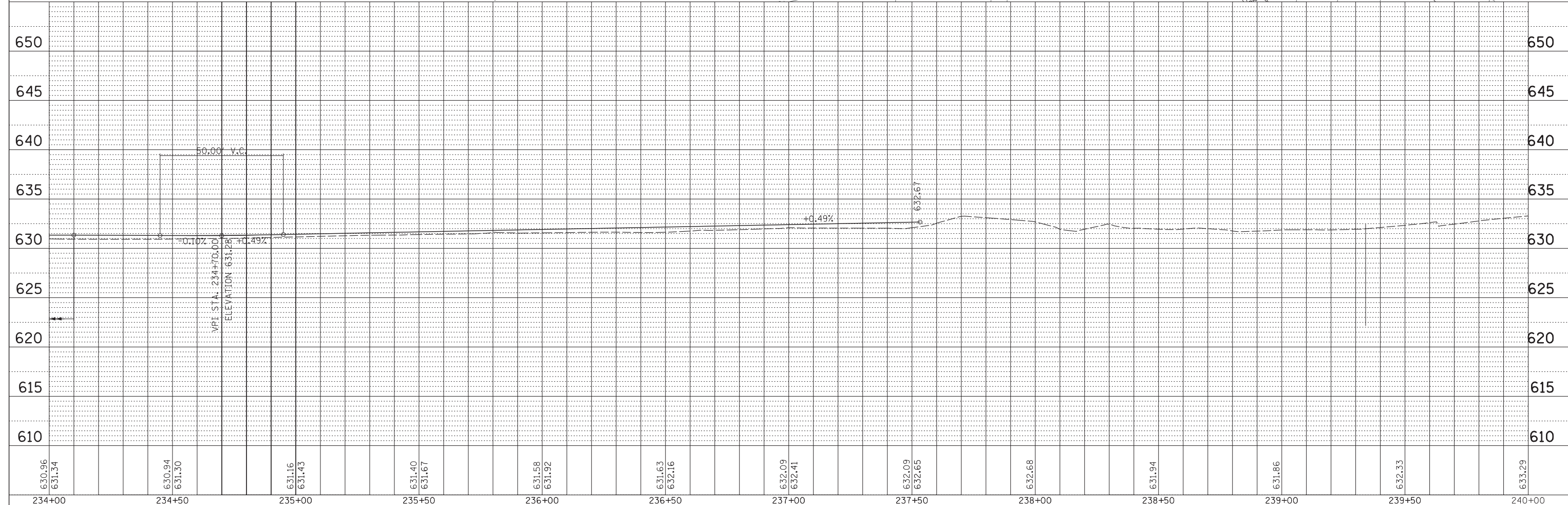
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	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
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	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHWD		
	NO.		









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- NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
- ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.

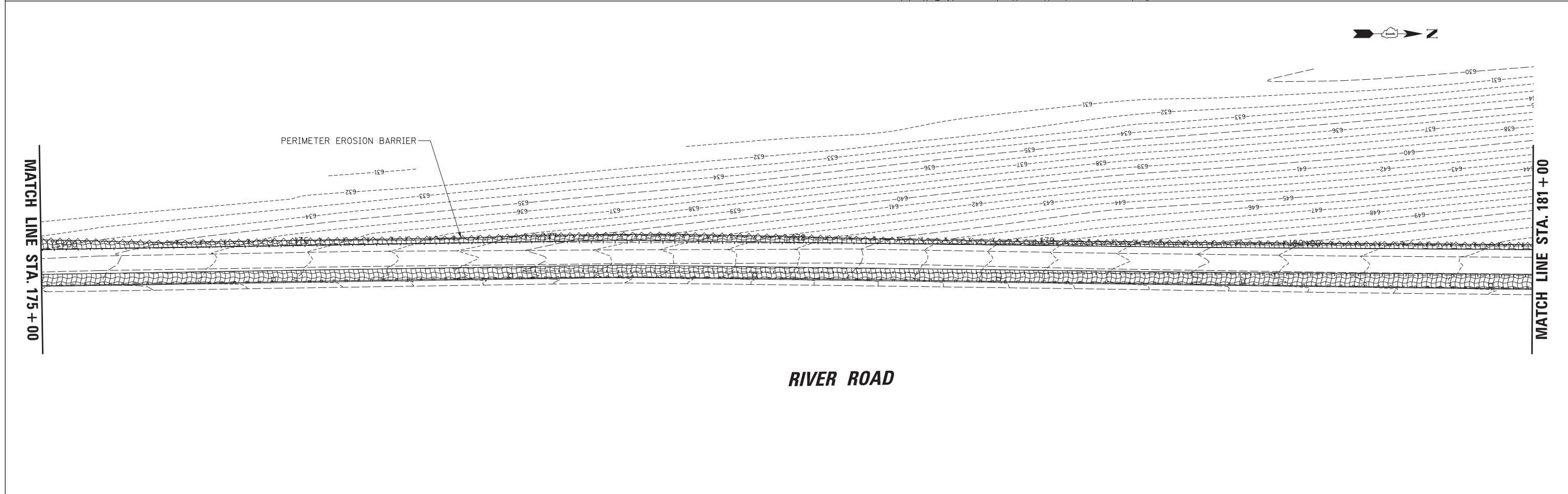
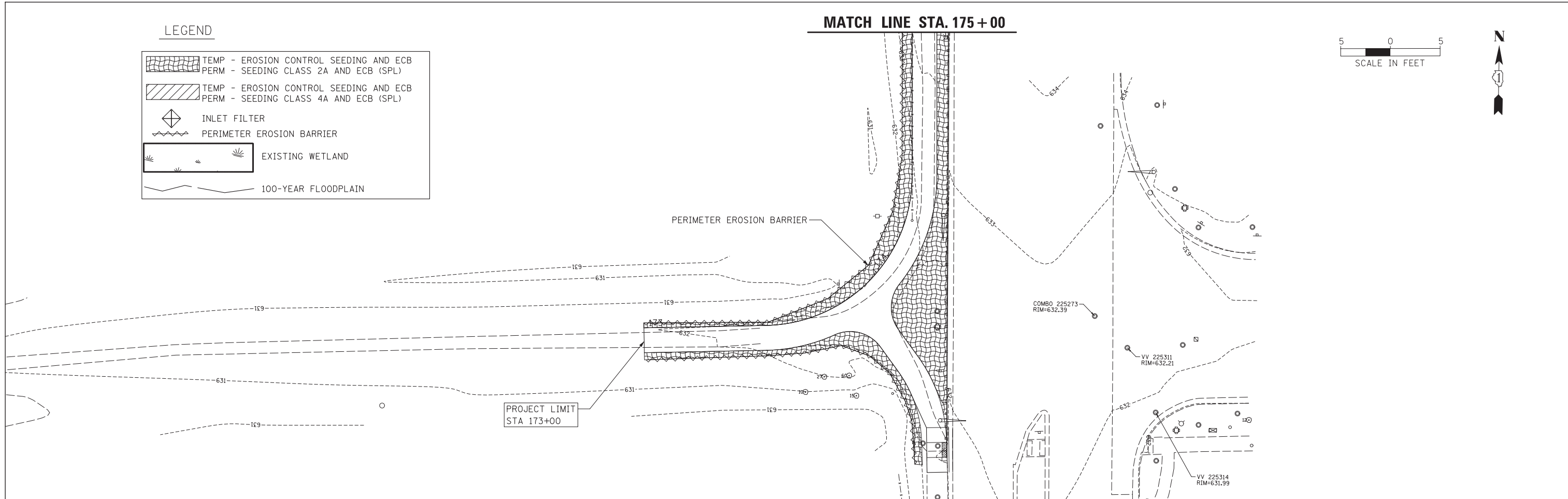
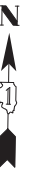


FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 PLAN AND PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -			CONTRACT NO. 61H78				
	PLOT DATE = 4/26/2022	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

LEGEND

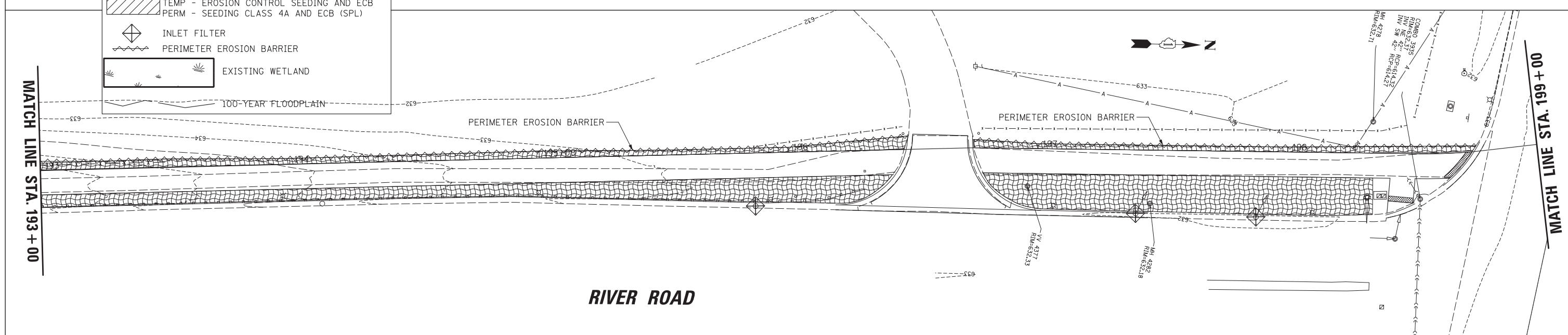
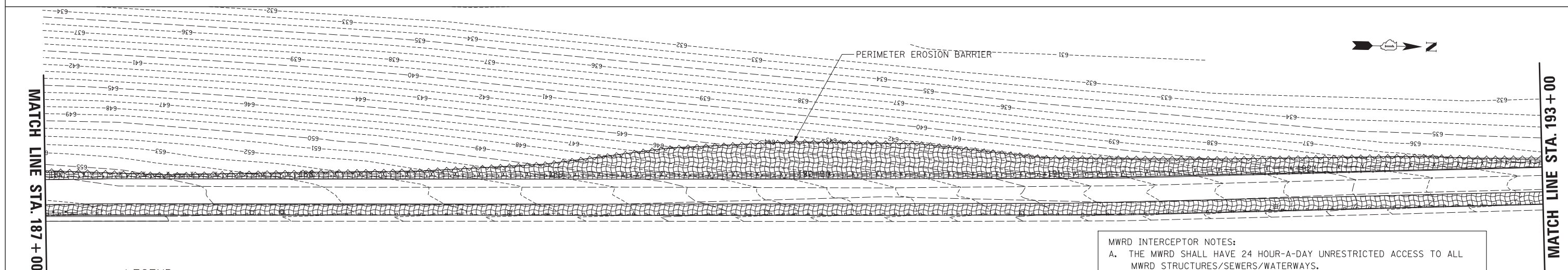
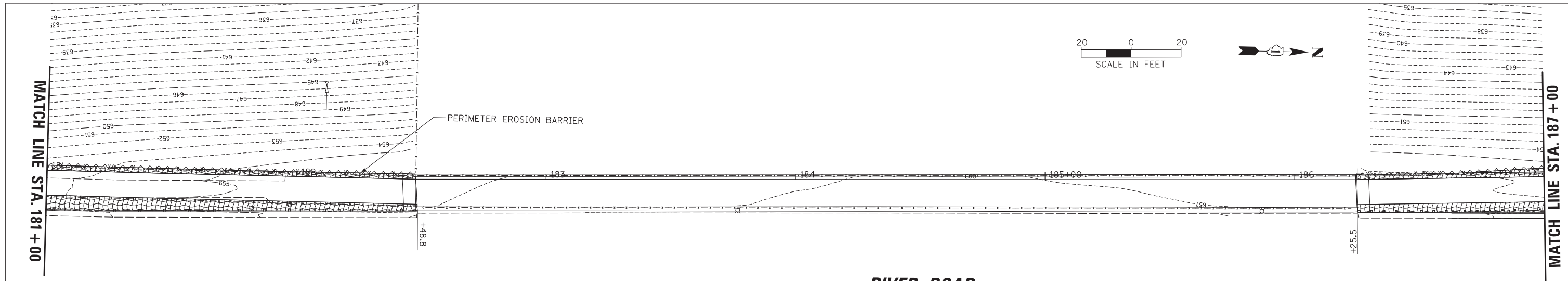
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 2A AND ECB (SPL)
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4A AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN

MATCH LINE STA. 175 + 00



RIVER ROAD

FILE NAME = N:\ROSEMONT\860001.2127A\Civil\ECP_2127A	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 EROSION CONTROL PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	01.SHT	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-00-BT	137	42
	PLOT SCALE = 28'	CHECKED -	REVISED -						CONTRACT NO. 61H78					
	PLOT DATE = 4/26/2022	DATE -	REVISED -						ILLINOIS FED. AID PROJECT					



LEGEND

- TEMP - EROSION CONTROL SEEDING AND ECB
PERM - SEEDING CLASS 2A AND ECB (SPL)
- TEMP - EROSION CONTROL SEEDING AND ECB
PERM - SEEDING CLASS 4A AND ECB (SPL)
- INLET FILTER
- PERIMETER EROSION BARRIER
- EXISTING WETLAND
- 100-YEAR FLOODPLAIN

MWRD INTERCEPTOR NOTES:

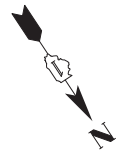
- A. THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/WATERWAYS.
- B. NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
- C. ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.

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	PLOT DATE = 4/26/2022	DATE -	REVISED -

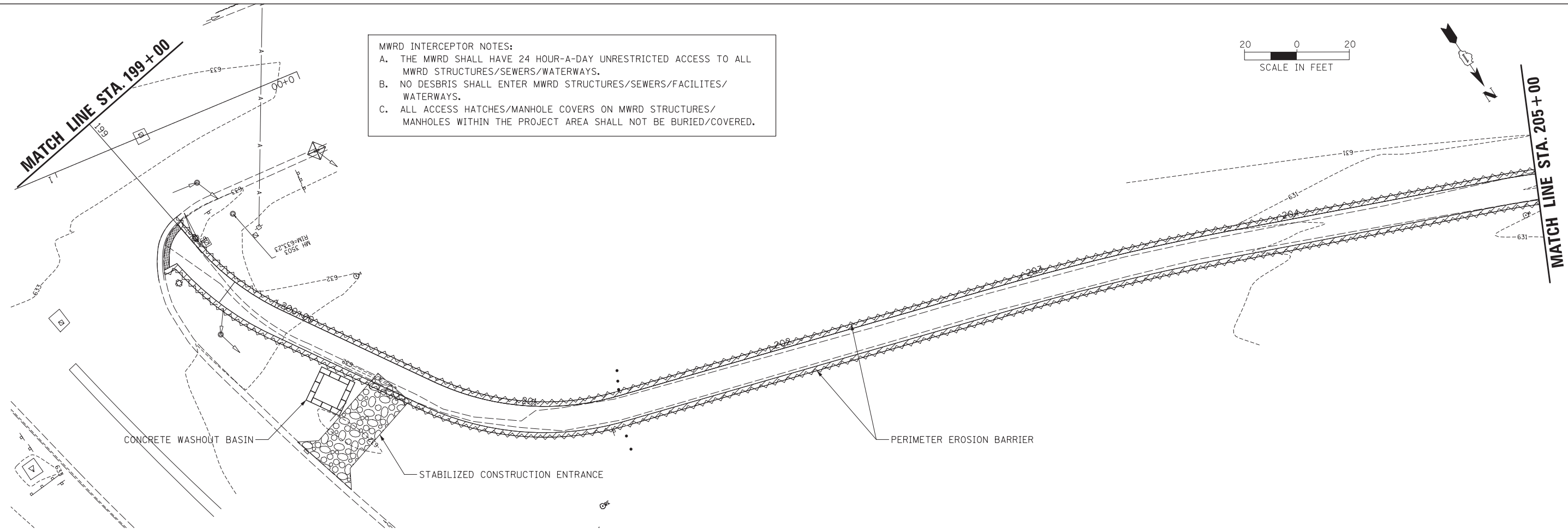
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DES PLAINES RIVER TRAIL SEGMENT 2			
EROSION CONTROL PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H78	



MWRD INTERCEPTOR NOTES:
 A. THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/WATERWAYS.
 B. NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
 C. ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.



LEGEND

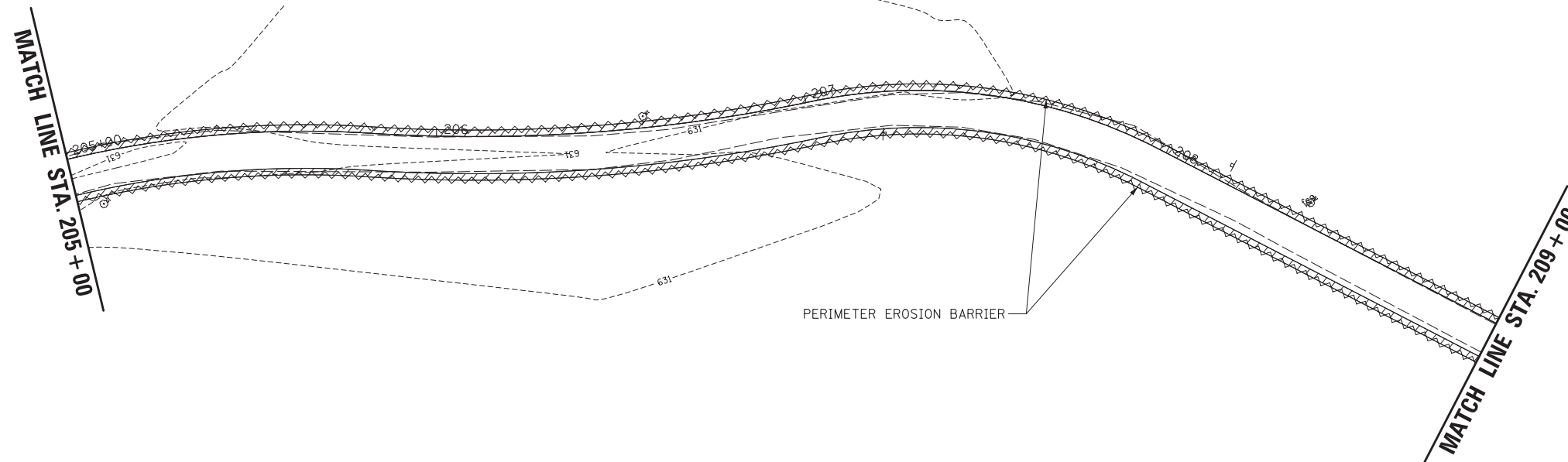
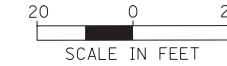
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	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4A AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DES PLAINES RIVER TRAIL SEGMENT 2 EROSION CONTROL PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	44
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

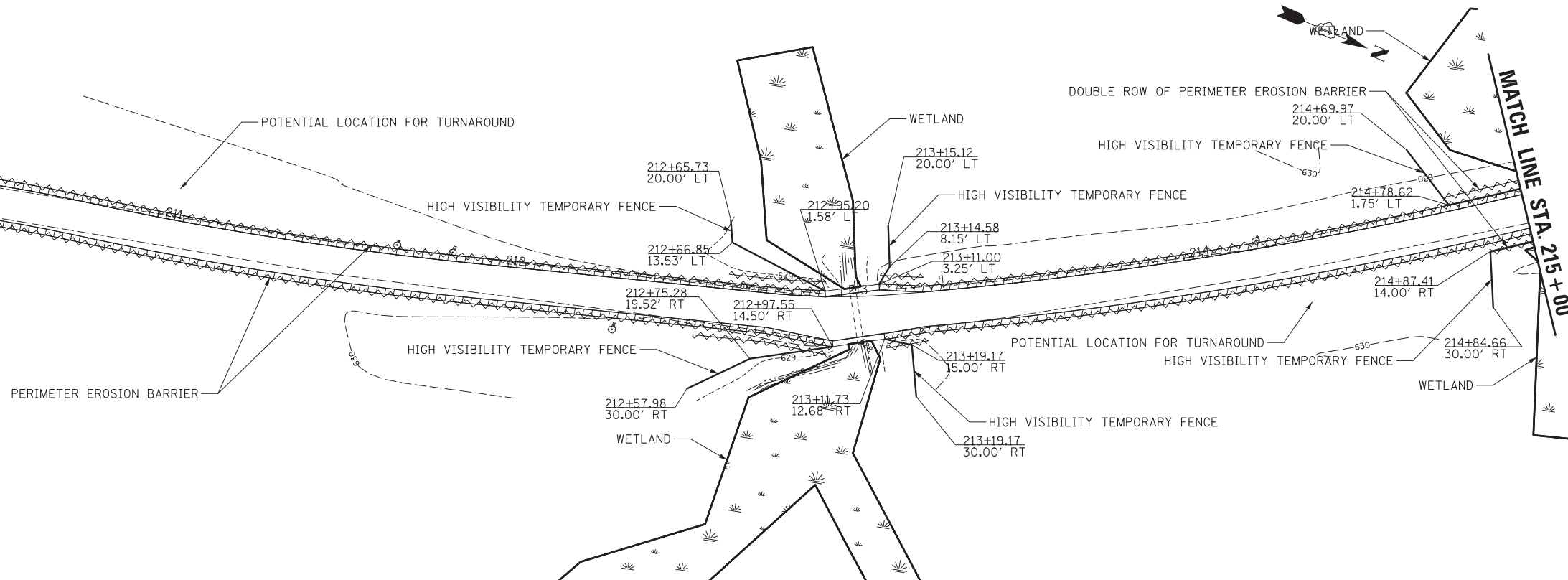


MATCH LINE STA. 209 + 00

MATCH LINE STA. 215 + 00

LEGEND

	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 2A AND ECB (SPL)
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4A AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN



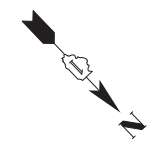
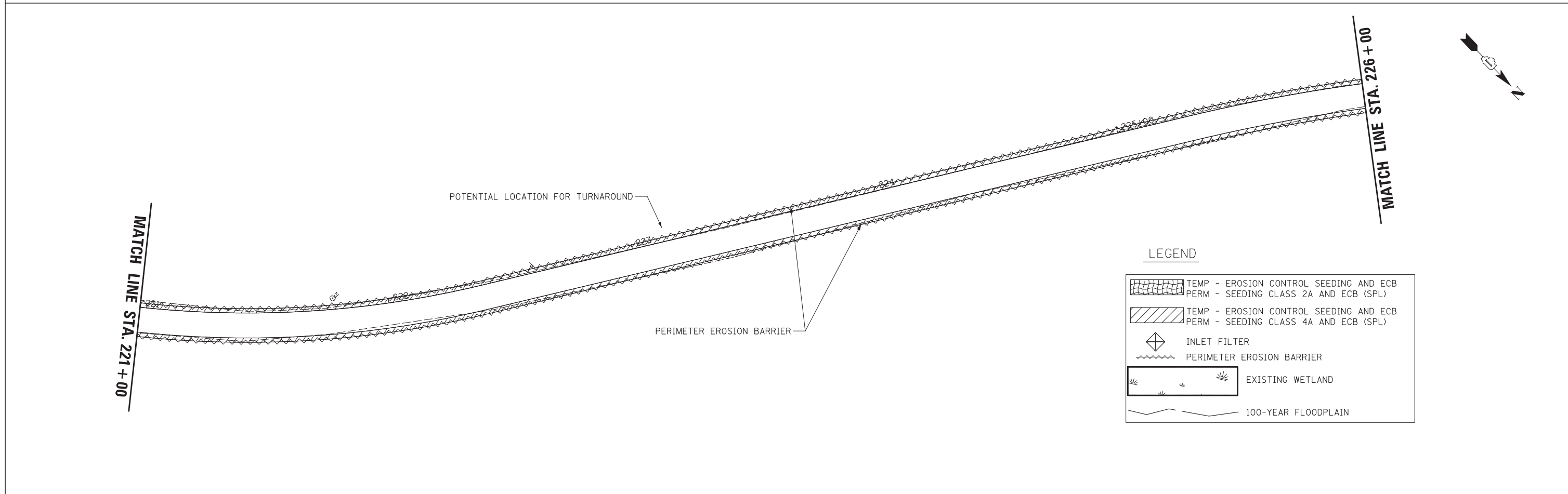
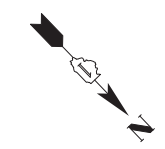
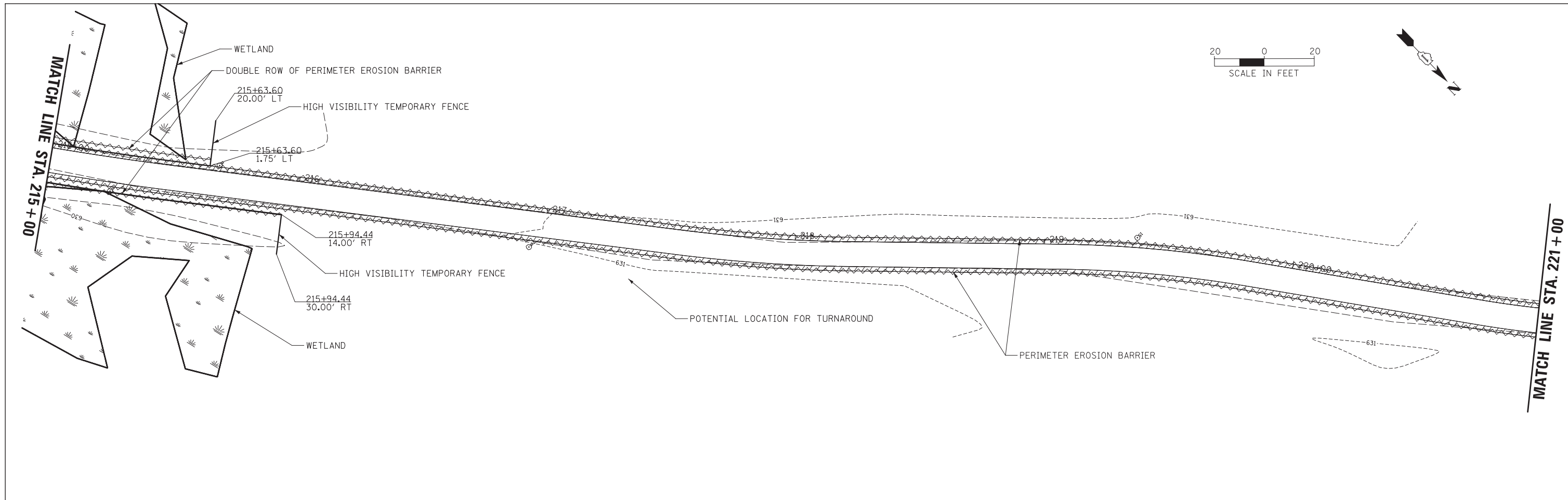
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 2
EXISTING CONDITIONS, REMOVAL, AND EROSION CONTROL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	45
CONTRACT NO. 61H78			ILLINOIS FED. AID PROJECT	



LEGEND

	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 2A AND ECB (SPL)
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4A AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 2
EROSION CONTROL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	46
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 226+00

LEGEND

	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 2A AND ECB (SPL)
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4A AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN

PERIMETER EROSION BARRIER

NO EXCAVATION ZONE
HIGH VISIBILITY TEMPORARY FENCE
DOUBLE ROW OF PERIMETER EROSION BARRIER

WETLAND

HIGH VISIBILITY TEMPORARY FENCE

MATCH LINE STA. 232+00

MATCH LINE STA. 232+00

MATCH LINE STA. 238+00

PERIMETER EROSION BARRIER

POTENTIAL LOCATION FOR TURNAROUND

STABILIZED CONSTRUCTION ENTRANCE

MATCH LINE STA. 238+00

MWRD INTERCEPTOR NOTES:
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PLOT DATE = 4/26/2022		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

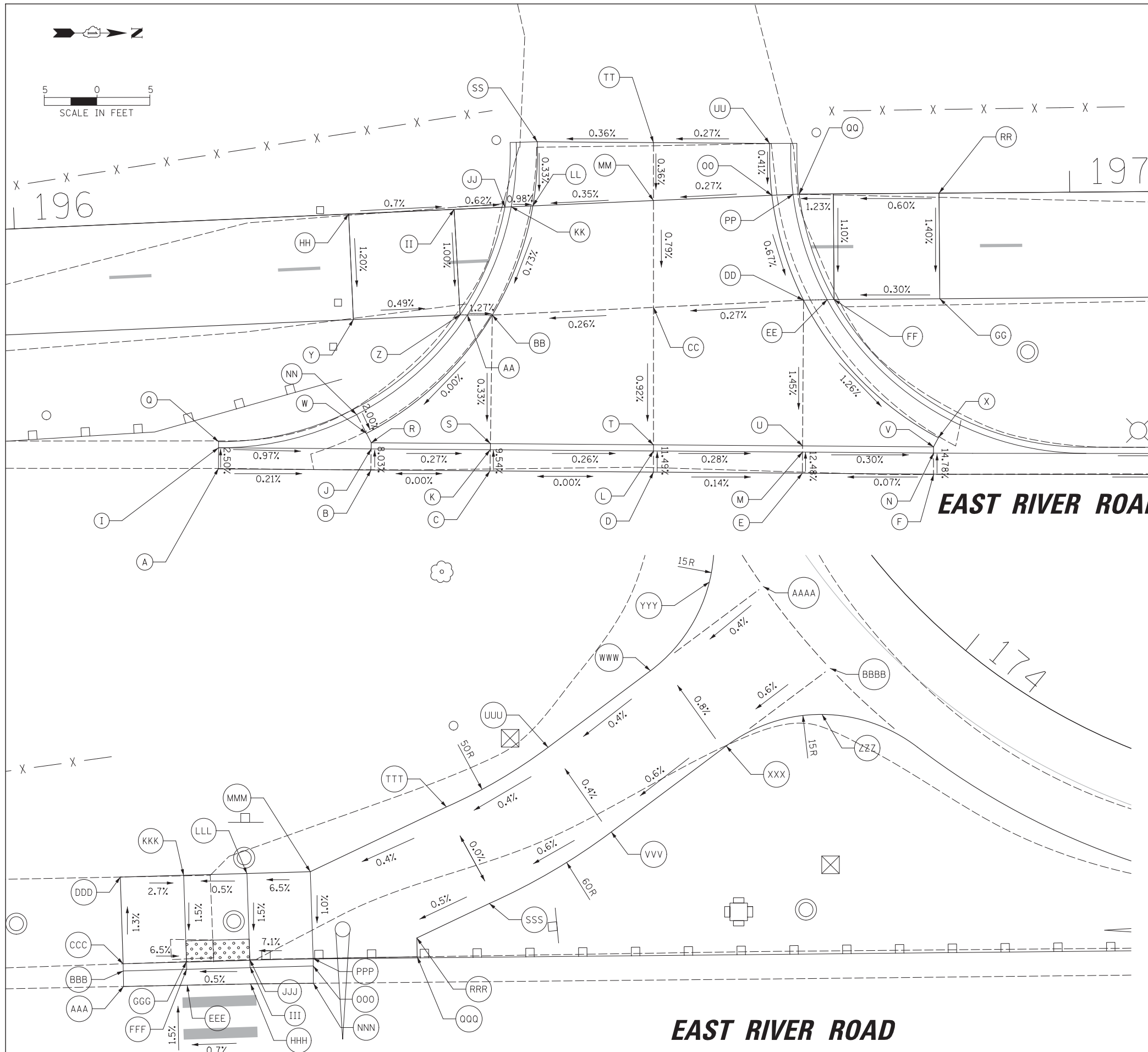
DES PLAINES RIVER TRAIL SEGMENT 2
EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	47
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



5 0 5
SCALE IN FEET



DRIVEWAY AT APPROXIMATELY STATION 196+60

POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	196+18.30	23.56' RT	632.22	Y	196+31.68	10.00' RT	632.26
B	196+32.73	24.30' RT	632.19	Z	196+41.80	10.01' RT	632.21
C	196+43.98	24.88' RT	632.19	AA	196+42.50	10.04' RT	632.19
D	196+59.44	25.68' RT	632.19	BB	196+44.85	10.16' RT	632.16
E	196+73.52	26.41' RT	632.17	CC	196+60.13	10.10' RT	632.20
F	196+86.93	26.63' RT	632.18	DD	196+74.73	10.04' RT	632.24
G	197+39.34	27.06' RT	632.06	EE	196+76.97	10.01' RT	632.16
H	197+44.33	27.11' RT	632.05	FF	196+77.62	10.00' RT	632.20
I	196+18.39	21.56' RT	632.17	GG	196+87.63	10.00' RT	632.23
J	196+32.83	22.31' RT	632.03	HH	196+31.68	0.00' RT	632.38
K	196+44.08	22.89' RT	632.00	II	196+41.68	0.00' RT	632.31
L	196+59.53	23.68' RT	631.96	JJ	196+46.50	0.00' RT	632.28
M	196+73.62	24.41' RT	631.92	KK	196+47.09	0.00' RT	632.26
N	196+86.93	24.60' RT	631.88	LL	196+49.14	0.00' RT	632.24
O	197+39.36	25.07' RT	631.63	MM	196+60.57	0.00' RT	632.28
P	197+44.36	25.11' RT	631.97	NN	196+71.80	0.00' RT	632.31
Q	196+18.42	20.98' RT	632.52	OO	196+73.81	0.00' RT	632.23
R	196+32.86	21.73' RT	632.15	PP	196+74.39	0.00' RT	632.27
S	196+44.11	22.31' RT	632.12	QQ	196+77.63	0.00' RT	632.31
T	196+59.55	23.10' RT	632.08	RR	196+87.63	0.00' RT	632.37
U	196+73.65	23.83' RT	632.04	SS	196+49.83	6.05' LT	632.26
V	196+86.93	24.02' RT	632.00	TT	196+60.82	5.48' LT	632.30
W	196+32.44	20.82' RT	632.16	UU	196+71.80	4.91' LT	632.33
X	196+87.41	23.14' RT	632.01	VV	196+31.60	19.00' RT	632.20

EAST RIVER ROAD

EAST RIVER ROAD

WEST SIDE HANDICAPPED RAMP AND PATH AT BRYN MAWR AVE

POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
AAA	173+82.10	81.37' RT	631.80	OOO	173+86.08	65.61' RT	631.86
BBB	173+81.57	80.58' RT	631.75	PPP	173+85.81	65.19' RT	632.27
CCC	173+81.33	80.23' RT	632.19	QQQ	173+88.79	57.39' RT	632.36
DDD	173+78.23	76.19' RT	632.09	RRR	173+88.07	56.26' RT	632.37
EEE	173+83.53	76.32' RT	631.83	SSS	173+89.07	48.90' RT	632.41
FFF	173+82.97	75.50' RT	631.77	TTT	173+83.66	46.53' RT	632.41
GGG	173+82.71	75.13' RT	631.81	UUU	173+84.23	35.42' RT	632.45
HHH	173+85.05	71.37' RT	631.86	VVV	173+90.51	35.74' RT	632.49
III	173+84.47	70.51' RT	631.80	WWW	173+84.06	23.32' RT	632.50
JJJ	173+84.20	70.12' RT	631.84	XXX	173+91.35	22.21' RT	632.58
KKK	173+79.53	70.93' RT	631.93	YYY	173+81.13	14.00' RT	632.52
LLL	173+80.94	65.74' RT	631.96	ZZZ	173+94.54	13.60' RT	632.62
MMM	173+82.47	60.63' RT	632.35	AAAA	173+83.79	10.00' RT	632.56
NNN	173+86.70	66.60' RT	631.92	BBBB	173+92.38	10.00' RT	632.65

FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -
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Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
ADA GRADING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H78	

MATCH LINE (SEE SHEET 50)

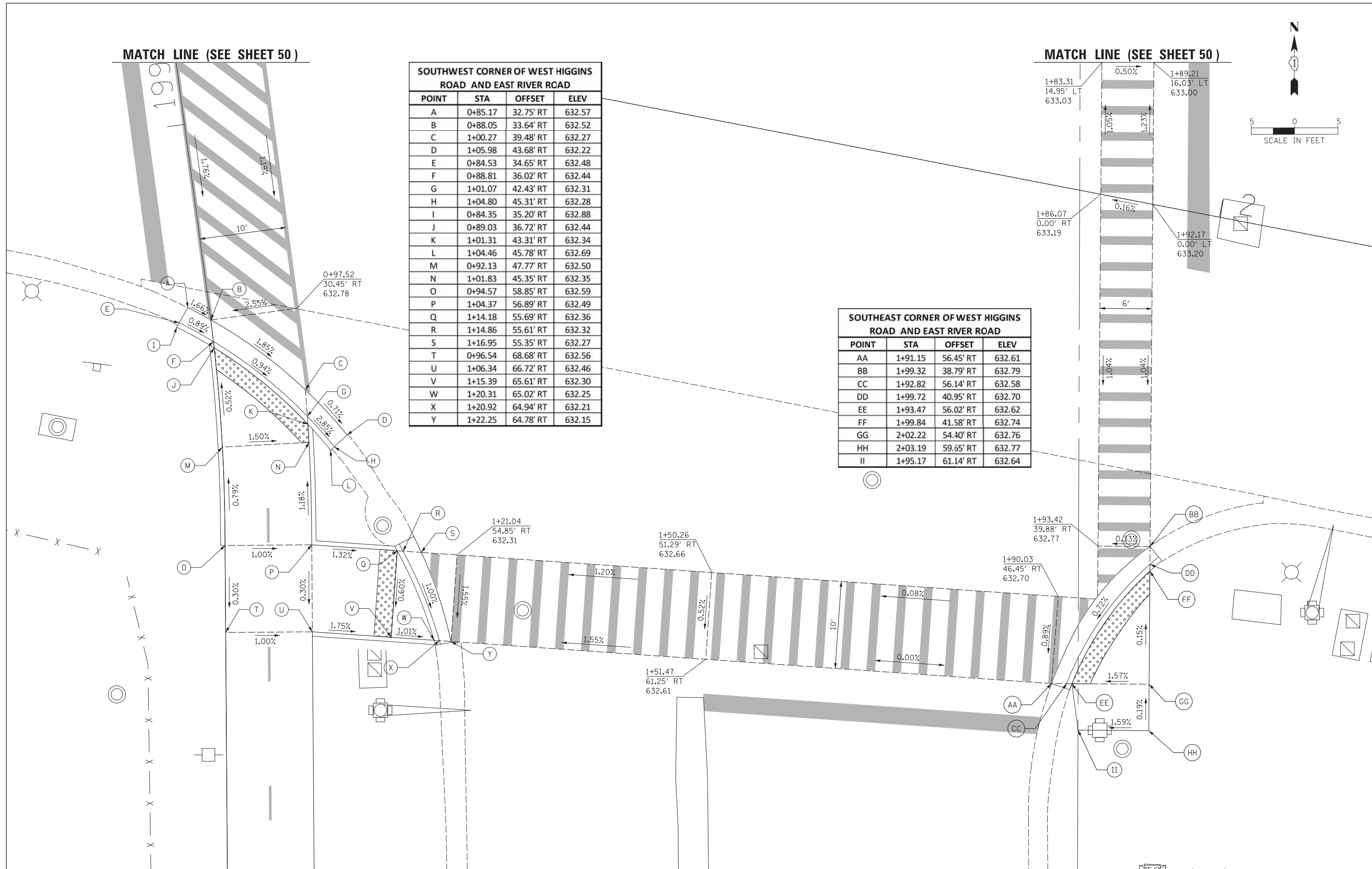
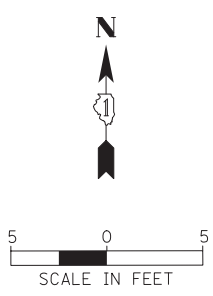
MATCH LINE (SEE SHEET 50)

SOUTHWEST CORNER OF WEST HIGGINS ROAD AND EAST RIVER ROAD

POINT	STA	OFFSET	ELEV
A	0+85.17	32.75' RT	632.57
B	0+88.05	33.64' RT	632.52
C	1+00.27	39.48' RT	632.27
D	1+05.98	43.68' RT	632.22
E	0+84.53	34.65' RT	632.48
F	0+88.81	36.02' RT	632.44
G	1+01.07	42.43' RT	632.31
H	1+04.80	45.31' RT	632.28
I	0+84.35	35.20' RT	632.88
J	0+89.03	36.72' RT	632.44
K	1+01.31	43.31' RT	632.34
L	1+04.46	45.78' RT	632.69
M	0+92.13	47.77' RT	632.50
N	1+01.83	45.35' RT	632.35
O	0+94.57	58.85' RT	632.59
P	1+04.37	56.89' RT	632.49
Q	1+14.18	55.69' RT	632.36
R	1+14.86	55.61' RT	632.32
S	1+16.95	55.35' RT	632.27
T	0+96.54	68.68' RT	632.56
U	1+06.34	66.72' RT	632.46
V	1+15.39	65.61' RT	632.30
W	1+20.31	65.02' RT	632.25
X	1+20.92	64.94' RT	632.21
Y	1+22.25	64.78' RT	632.15

SOUTHEAST CORNER OF WEST HIGGINS ROAD AND EAST RIVER ROAD

POINT	STA	OFFSET	ELEV
AA	1+91.15	56.45' RT	632.61
BB	1+99.32	38.79' RT	632.79
CC	1+92.82	56.14' RT	632.58
DD	1+99.72	40.95' RT	632.70
EE	1+93.47	56.02' RT	632.62
FF	1+99.84	41.58' RT	632.74
GG	2+02.22	54.40' RT	632.76
HH	2+03.19	59.65' RT	632.77
II	1+95.17	61.14' RT	632.64

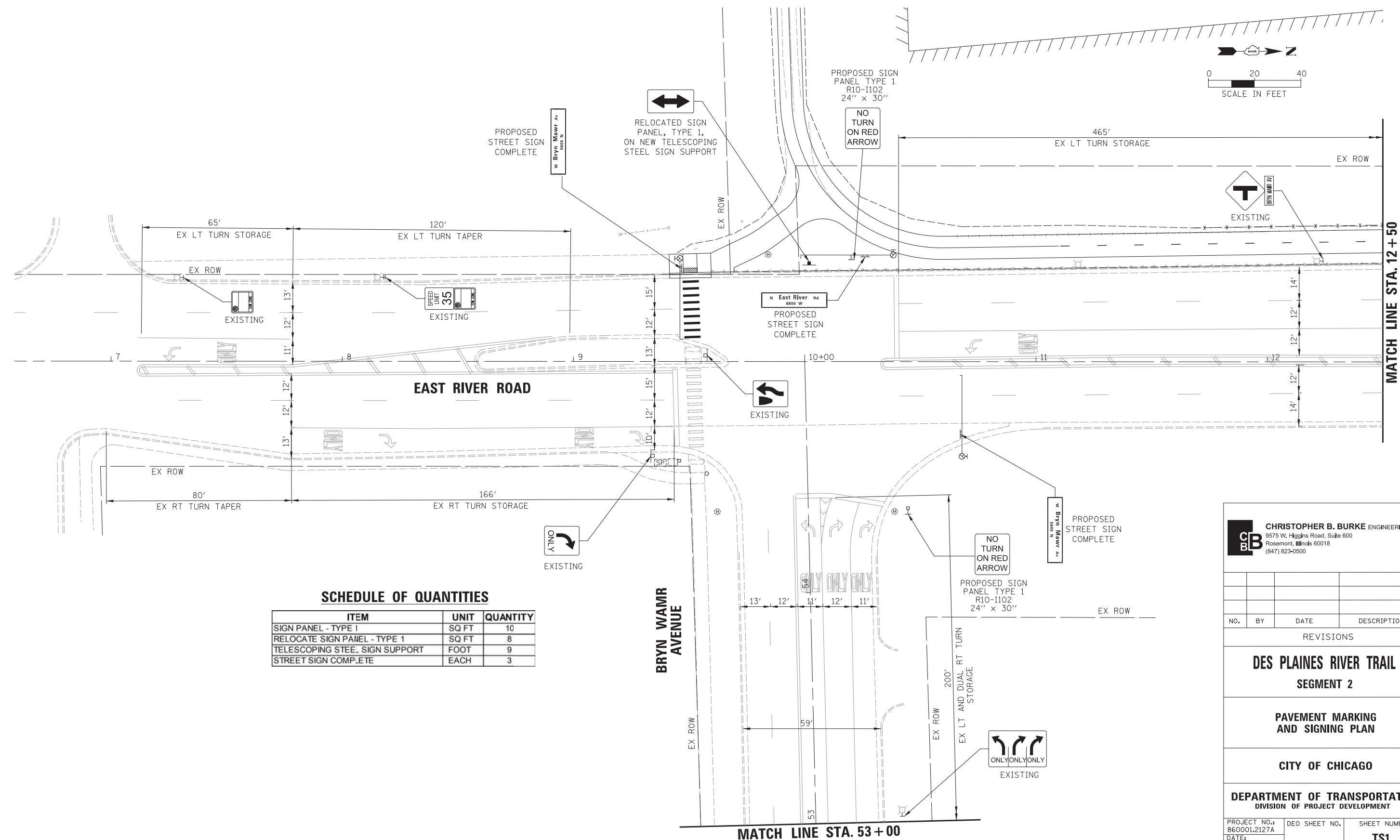
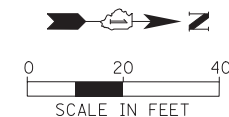


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Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DES PLAINES RIVER TRAIL SEGMENT 2			
ADA GRADING DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H78	



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	10
RELOCATE SIGN PANEL - TYPE 1	SQ FT	8
TELESCOPING STEEL SIGN SUPPORT	FOOT	9
STREET SIGN COMPLETE	EACH	3

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS

**DES PLAINES RIVER TRAIL
 SEGMENT 2**

**PAVEMENT MARKING
 AND SIGNING PLAN**

CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
 DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER
DATE: #SUB_DATE		TS1
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
		SHEET 51 OF 137

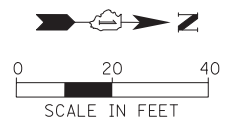
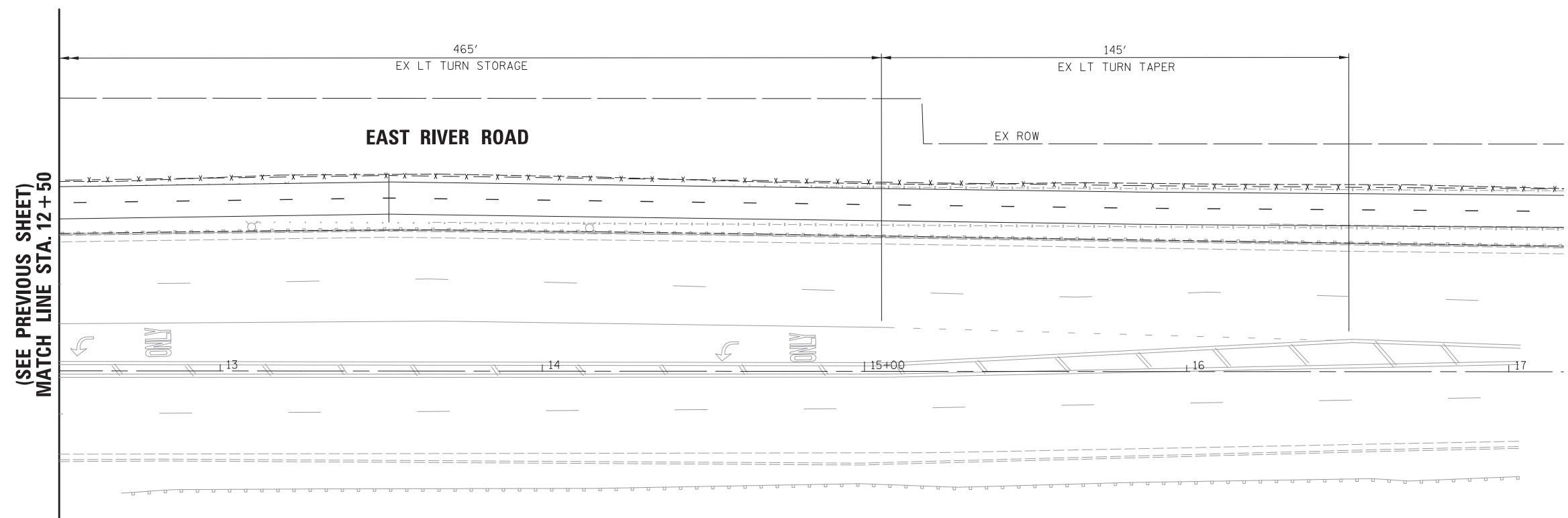
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
 (SHEET 1 OF 2)
 EAST RIVER ROAD AT BRYN MAWR AVENUE**

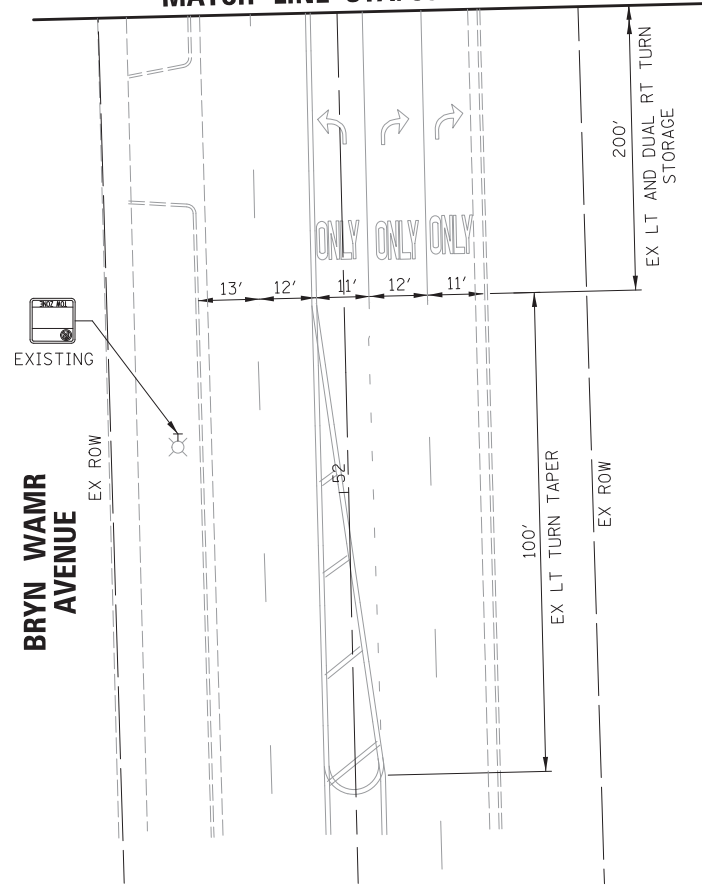
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	51
		CONTRACT NO. 61H78		
ILLINOIS FED. AID PROJECT				



(SEE PREVIOUS SHEET)
MATCH LINE STA. 12 + 50

(SEE PREVIOUS SHEET)
MATCH LINE STA. 53 + 00



C.B. CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS

**DES PLAINES RIVER TRAIL
SEGMENT 2**

**PAVEMENT MARKING
AND SIGNING PLAN**

CITY OF CHICAGO

PROJECT NO.: 860001.2127A		DEO SHEET NO.	SHEET NUMBER
DATE: #SUB_DATE			TS2
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 52 OF 137

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN (SHEET 2 OF 2) EAST RIVER ROAD AT BRYN MAWR AVENUE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	52
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

PROPOSED	PRESENT	DESCRIPTION
		SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED
		SIGNAL OPTICALLY PROGRAMMED
		SIGNAL, PEDESTRIAN, COUNTDOWN
		SIGNAL, PEDESTRIAN, DON'T WALK/WALK
		SIGNAL FACE ARROW, 12" COLOR AS NOTED
		SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
		PUSH BUTTON, PEDESTRIAN
		SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED
		MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)
		MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED
		CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
		CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
		CONTROLLER, STREET LIGHTING. POLE MOUNTED (DWG. #11940)
		POLE, WOOD. COMMONWEALTH EDISON COMPANY, SERVICE
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA. 10" DI A. AND 15" B.C. 24"x7' FND. W/1 1/4" ANCHOR RODS DRG. #818.
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"x9' FND. W/1 1/4" ANCHOR RODS DRG. #818 (16', 20' or 26' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3GA., 11" DIA. AND 17 1/4" B.C. 30"x9' FND. W/1 1/4" ANCHOR RODS DRG. #816. (30' M.A.)
		POLE, CITY STEEL, ANCHOR BASE 34'-6", 3 GA. 12 1/2" DIA. AND 16 1/2" B.C. 30"x11' FND. W/1 1/2" ANCHOR RODS DRG. #817. (35', 40' or 44' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17 1/4" B. C. ON 30"x9' FND. W/ 11/4" ANCHOR RODS DRG. #816.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6". 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DWG. #719.
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 7 GA., AND ALUMINUM RESIDENTIAL DAVIT AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #565 (CONCRETE) OR DWG. #936 (HELIX).
		POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 3 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #565 (CONCRETE) OR DWG. #936 (HELIX).
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., ALUM. BHB AND FND. WITH 15" B.C.-24"x7" WITH 1" ANCHOR RODS DRG. #691.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"x7" WITH 1" ANCHOR RODS DWG. #691.
		POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 7 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 3 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)
		COLUMN, ELEVATED STRUCTURE
		POLE, WOOD. (SIZE AS NOTED)
		POLE, FOUNDATION WITH ELBOWS AS INDICATED. (SIZE AS NOTED)
		POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS
		RESIDENTIAL STREET LIGHTING CONTROLLER

PROPOSED	PRESENT	DESCRIPTION
		MANHOLE, 3'X4'X4' 24" F & C (DWG.#730) (A) 30" F & C (DWG.#729) (B)
		MANHOLE, 4'X6'X6' 24" F & C (DWG.#732) (C) 30" F & C (DWG.#733) (D)
		HANDHOLE, HEAVY DUTY, 36" I.D. (DWG.#866) 24" F & C (E). (DWG.#871) 30" F & C (F)
		HANDHOLE, CIRCULAR WITH 24" FRAME & COVER, 30" I.D. (#867) (G)
		FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C., 20"X5' (DWG. #709)
		FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
		FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)
		FOUNDATION, CONTROLLER STREET LIGHT, SPECIAL, 100A & 200A. (DWG.#876 & # 880)
		FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
		CONTROLLER, UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
		MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=CHGO PARK DISTRICT; CTA=C.T.A.; S= SEWER JUNCTION BOX, IN PAVEMENT (DWG. #815)
		DETECTOR LOOP IN PAVEMENT
		CONDUIT or P.V.C., NUMBER, SIZE & TYPE. (AS NOTED)
		CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED)
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 310W LAMP, 240V
		LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 150W LAMP, 240V
		LUMINAIRE, H.P.S.V. 150W LAMP, 120V
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V, (ALLEY LIGHT)
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, (FLOOD LIGHT)
		TERMINAL, CABINET F.A. & P.C.
		FIRE ALARM BOX, MOUNTED
		FIRE ALARM BOX, POLE MOUNTED
		CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C- #4, 600 V. EPR. IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#10 or #6, 600V NSRI, IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V, EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 10/C-#12 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 14/C-#14, 600V. EPR IN CONDUIT
		CABLE, TRAFFIC SIGNAL, 19/C-#12 600V. EPR IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
		CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
		CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED, IN CONDUIT
		CABLE, STREET LIGHT, 3 1/C-#1/0, or #2/0, or #4, 600V. EPR IN CONDUIT
		WIRE, STREET LIGHT, 2 1/C-#6, HDNS. AERIAL
		WIRE, STREET LIGHT, 2 1/C-#6 & 1 1/C #8, HDNS. AERIAL
		CABLE, STREET LIGHT AERIAL, 3 1/C-#4 or #2 SELF SUPPORTING, 600V EPR
		WIRE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY
		CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)
		CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)
		DOWNLIGHT ASSEMBLY. (DWG. #850)
		LIGHT, TRAFFIC SAFETY ISLAND
		FLASHING BEACON & DOWNLIGHT

C.M.H. LUMINAIRES	
PROPOSED	PRESENT

H.P.S.V. ORNAMENTAL LUMINAIRES	
PROPOSED	PRESENT

L.E.D. LUMINAIRES	
PROPOSED	PRESENT

F 01-08-14	ADDED LED LUMINAIRES	A.VIEU
E 09-19-13	ADDED CMH LUMINAIRES	A.VIEU
D 02-06-04	REVISED/REDRAW	R.POOL/B.I.
C 04-01-02	REVISED/REDRAW	R.POOL/B.I.
B 12-4-01	ADDED ORNAMENTAL SYMBOLS	
A 8-6-96	REDRAWN	
DATE	REVISION	
SUPERSEDES DWG. #		
WORK ORDER NO.	DATE	
COST ALLOCATION ACCOUNT		
APPROPRIATION ACCOUNT	MATERIAL	
	LABOR	
STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING		
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ENGINEERING ELECTRICAL SECTION		
DRAFTSMAN: R. IVY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL/R.C/W.T.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		826
GEN'L SUPT. OF CONSTRUCTION:		
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: NONE	DATE: 09-19-13

CB			
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500			
NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
TRAFFIC SIGNALS/ STREET LIGHTING STANDARD LEGEND			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS3	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
SHEET 53 OF 137			

**CDOT GENERAL NOTES
FOR EAST RIVER ROAD AT BRYN MAWR AVENUE**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DIGGER, (312) 744-7000, FOR EXISTING UTILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED, AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL INFORM THE ASSISTANT ELECTRICAL OPERATING ENGINEER AT THE CDOT DIVISION OF ELECTRICAL OPERATIONS, AT (312) 746-4646 PRIOR TO THE CUT-OVER DATE FROM THE TEMPORARY SIGNALS TO THE PERMANENT SIGNALS. A MINIMUM OF 72 HOURS ADVANCE NOTICE IS REQUIRED.
3. ALL REMOVED TRAFFIC SIGNALS, POSTS AND LIGHT POLES SHALL BE DELIVERED TO THE DIVISION OF ELECTRICAL OPERATIONS AS DIRECTED BY THE DIVISION OF ELECTRICAL OPERATIONS.
4. PRIOR APPROVAL FOR ANY CHANGE IN PROPOSED MATERIALS, EQUIPMENT, OR CONSTRUCTION IS REQUIRED FROM CDOT DIVISION OF ELECTRICAL OPERATIONS, MR. MOHAMMED AHMED AT (312) 746-8180.

STREET LIGHTING GENERAL NOTES


1. PRIOR TO PERFORMING ANY ELECTRICAL WORK THE CONTRACTOR SHALL REQUEST AN INSPECTION AND MAINTENANCE TRANSFER OF THE EXISTING LIGHTING SYSTEM, A MINIMUM OF 5 DAYS, FROM THE CITY OF CHICAGO INSPECTION SERVICES.
2. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY EQUIPMENT. FOR THE LOCATIONS OF THE UTILITIES, CALL CHICAGO UTILITY ALERT NETWORK (CUAN) AT (312) 744-7000 AND CITY OF CHICAGO OFFICE OF UNDERGROUND COORDINATION.
3. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD UTILITIES CALL COM ED FOR LOCATION APPROVAL.
4. THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED.
5. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY THE CONTRACT DRAWINGS AND/OR APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE INSPECTOR AND/OR ENGINEER. THE WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, AS PREPARED BY IDOT (HEREWITH REFERRED TO AS THE STANDARD SPECIFICATIONS)
 - B. THE NATIONAL ELECTRIC CODE
 - C. MUNICIPAL CODE AND STANDARDS
 - D. THE CHICAGO ELECTRICAL CODE
 - E. COM ED STANDARDS AND REQUIREMENTS
 - F. CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS (DEO) STANDARD DRAWINGS AND SPECIFICATIONS.
7. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS, BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
8. CONDUIT INSTALLED UNDER EXISTING STREET CROSSINGS & DRIVEWAYS SHALL BE SCHEDULE 80 PVC OR HDPE; CONDUIT INSTALLED UNDER PARKWAYS & SIDEWALKS SHALL BE SCHEDULE 40 PVC OR HDPE CONDUIT.
9. CONDUIT SHALL BE INSTALLED IN TRENCH, UNLESS OTHERWISE NOTED ON THE PLANS. CONDUIT INSTALLED IN TRENCH SHALL BE PVC AND HDPE CONDUIT SHALL BE BORED AND PULLED IN PLACE.
10. CONDUITS SHALL BE LOCATED A MINIMUM OF 3 FEET FROM THE FACE OF EXISTING WATERMAIN, OR AS DIRECTED BY THE INSPECTOR.
11. CONDUITS INSTALLED IN TRENCH SHALL AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. IF THE CONTRACTOR MUST INCREASE THE TRENCH DEPTH TO AVOID CONFLICTS, THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONDUIT. IN THE EVENT A TRENCH CANNOT BE EXCAVATED TO A MINIMUM DEPTH OF 30 INCHES THE CONTRACTOR MUST NOTIFY THE OWNER'S REPRESENTATIVE AND AWAIT WRITTEN DIRECTION ON HOW TO PROCEED.

STREET LIGHTING GENERAL NOTES (CONTINUED)

12. THE QUANTITIES OF CONDUIT AND WIRING INDICATED ON THE DRAWINGS ARE APPROXIMATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS OF PROPOSED CONDUIT AND WIRING.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
14. CONTRACTOR SHALL USE A STANDARD CONCRETE FOUNDATION WHEREVER POSSIBLE. IF UTILITY CONFLICTS PROHIBIT THE USE OF A STANDARD CONCRETE FOUNDATION, THE CONTRACTOR SHALL CONSULT WITH INSPECTOR AND ENGINEER PRIOR TO THE USE OF AN OFFSET FOUNDATION.
15. THE CONTRACTOR SHALL ASSUME MAINTENANCE OF EXISTING LIGHTING SYSTEMS AFFECTED BY PROPOSED IMPROVEMENTS. THE EXISTING LIGHTING SHALL REMAIN IN OPERATION EVERY NIGHT, AND SHALL NOT OPERATE DURING LONG DAYTIME PERIODS AT THE OWNER'S EXPENSE. TEMPORARY LIGHTING REQUIRED DURING CONSTRUCTION SHALL NOT BE MOUNTED TO EXISTING CONCRETE FOUNDATIONS AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT. CONTRACTOR SHALL SUBMIT TEMPORARY LIGHTING PLANS TO DEO FOR REVIEW AND APPROVAL.
16. EXISTING CONDUIT TO BE ABANDONED SHALL BE CUT TO 2FT BELOW GRADE. CONTRACTOR SHALL REMOVE EXISTING CABLE(S) FROM CONDUIT PRIOR TO ABANDONING CONDUIT.
17. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES, CONTROLLERS AND HANDHOLES/MANHOLES FOR EXAMINATION BY THE INSPECTOR AND ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LIGHTING EQUIPMENT LOCATIONS.
19. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO FULL SIZE SETS OF RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. ONE COPY SHALL BE PRINTED ON VELLUM AND SUBMITTED TO DEO. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATION OF ALL LIGHT POLES, UNDERGROUND CONDUIT/WIRING, HANDHOLES AND CONTROL CABINETS. HAND DRAWINGS SHALL NOT BE ALLOWED. REVISIONS TO CONSTRUCTION DRAWINGS SHALL BE MADE IN CAD, OR SIMILAR PROGRAM, AND PLOTTED ON BOND/VELLUM PAPER. RECORD DRAWINGS SHALL BE REVIEWED BY THE ENGINEER.
20. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE STANDARD SPECIFICATIONS AND CDOT REQUIREMENTS. ALL ELECTRICAL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR, ENGINEER AND DEO.
21. OEMC AND CROWN CASTLE EQUIPMENT LOCATIONS ARE BASED ON EQUIPMENT OBSERVED IN THE FIELD DURING DESIGN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE EQUIPMENT REMOVAL AND/OR RELOCATION THAT IS INSTALLED BETWEEN BIDDING AND CONSTRUCTION WITH ENGINEER, OEMC/CROWN CASTLE. SEE PROJECT CONTACT INFORMATION LIST PROVIDED FOR REFERENCE.

**CAUTION
NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

		CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	
NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT GENERAL NOTES EAST RIVER ROAD AT BRYN MAWR AVENUE			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE: #SUB_DATE		TS4	
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 54 OF 137

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ROSEMONT\860001.2127A\Traffic\TS4.2127A_GEN_Notes.dgn		DRAWN -	REVISED -
default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CDOT GENERAL NOTES
EAST RIVER ROAD AT BRYN MAWR AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	54
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNALS SCHEDULE OF QUANTITIES

PAY CODE	ITEM	UNIT	TOTAL	East River Rd @ Bryn Mawr	East River/Dee Rd @ IL 72/Higgins
72000100	SIGN PANEL - TYPE 1	SQ FT	10	10	
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	8	8	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	9	9	
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	46		46
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	68		68
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	180	180	
84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1
85000205	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1	1	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1094		1094
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1141		1141
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	397		397
87301291	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 4C	FOOT	41	41	
87301800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	389	389	
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNING CONDUCTOR, NO. 6 1C	FOOT	273		273
87502710	TRAFFIC SIGNAL POST, ALUMINUM 17 FT.	EACH	1	1	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8		8
87900200	DRILL EXISTING HANDHOLE	EACH	7	1	6
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7	7	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5	5	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1	
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	1	
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6		6
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2	2	
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2		2
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1		1
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2		2
89502200	MODIFY EXISTING CONTROLLER	EACH	1		1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1		1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1876	640	1236
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2		2
X0322708	REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	3	3	
X0322281	WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1	1	
X0324900	SERVICE CONNECTION TO CECO LINE	EACH	1	1	
X0326326	CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	880	880	
X0326968	JUNCTION BOX, POLE OR POST MOUNTED	EACH	5	5	
X0327485	MAST ARM, STREET LIGHTING, 15'	EACH	5	5	
X0327860	REMOVE CONCRETE FOUNDATION (ELECTRICAL)	EACH	1	1	
X0935100	MAST ARM, STEEL, MONOTUBE 35 FT.	EACH	2	2	
X0935200	MAST ARM, STEEL, MONOTUBE 40 FT.	EACH	1	1	
X1200139	REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	3	3	
X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1	
X1400238	LUMINAIRE, LED, SPECIAL	EACH	5	5	
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4		4
X1400381	CABLE, SPECIAL	FOOT	382	382	
X1400382	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 19/C	FOOT	638	638	
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	10	10	
X6020105	MANHOLE, ELECTRIC, 3' X 4' X 4', WITH 24" FRAME AND LID	EACH	1	1	
X6050040	REMOVING MANHOLES, SPECIAL	EACH	1	1	
X8100105	CONDUIT SPLICE	EACH	1	1	
X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	3	3	
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8		8
X8760202	ACCESSIBLE PEDESTRIAN SIGNALS (SPECIAL)	EACH	2	2	
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16		16
X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	5	5	
XX005703	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL	L SUM	1	1	
XX007709	CONDUIT IN GROUND, 2" DIA., GALVANIZED STEEL	FOOT	321	321	
XX007711	CONDUIT IN GROUND, 3" DIA., GALVANIZED STEEL	FOOT	921	921	
XX008710	CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE, 9 FEET	EACH	1	1	
XX009225	STREET SIGN COMPLETE	EACH	3	3	
XX009356	CONCRETE FOUNDATION, 20" DIAMETER	FOOT	10	10	
XX009360	CONCRETE FOUNDATION, 30" DIAMETER	FOOT	33	33	
XX009362	STEEL POLE, TYPE 1	EACH	1	1	
XX009363	STEEL POLE, TYPE 2	EACH	3	3	
Z0023700	FILLING EXISTING HANDHOLES	EACH	3	3	
Z0033026	MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE	L SUM	1	1	
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS

DES PLAINES RIVER TRAIL
SEGMENT 2

TRAFFIC SIGNALS
SCHEDULE OF QUANTITIES

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

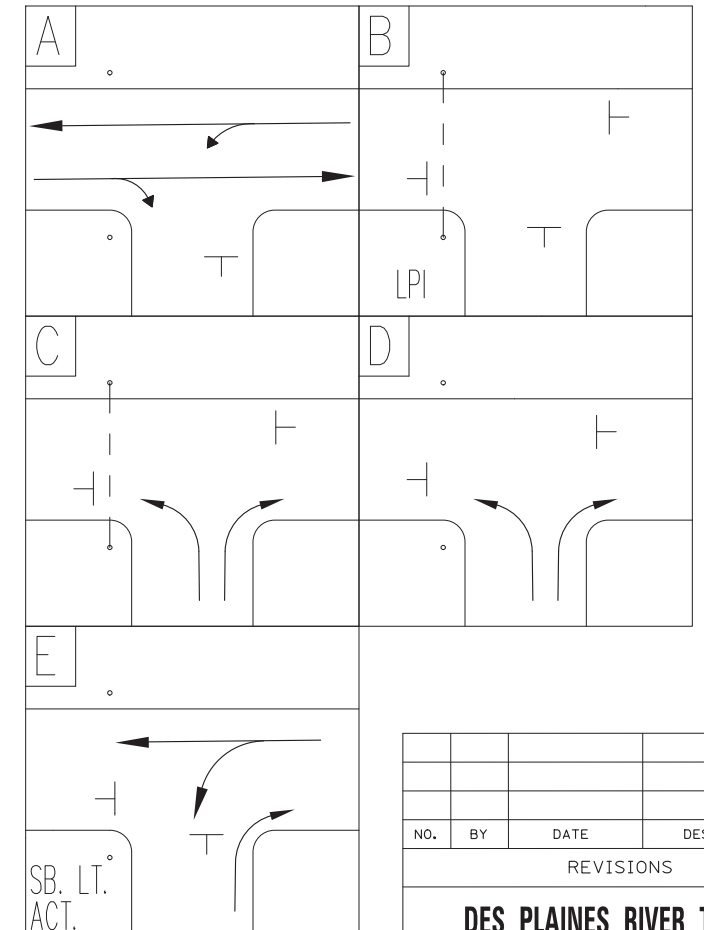
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER
DATE: #SUB_DATE		TS5
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
		SHEET 55 OF 137

GENERAL NOTES, TRAFFIC SIGNAL REQUIREMENTS

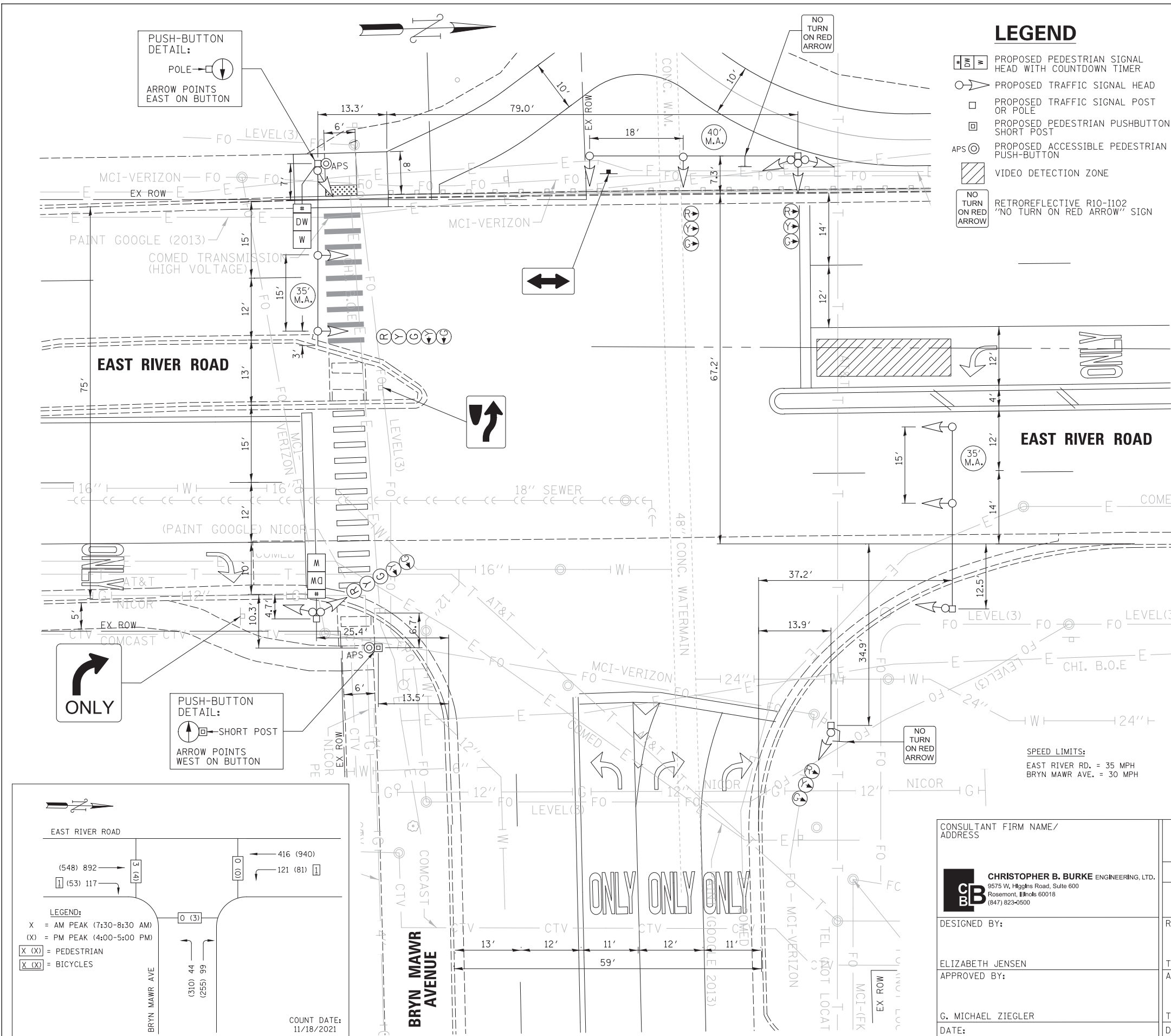
- UNLESS OTHERWISE NOTED ALL VEHICULAR SIGNALS SHALL BE STANDARD 12-INCH DIA., ADJUSTABLE 3-SECTION UNITS, AND ALL PEDESTRIAN SIGNALS SHALL BE STANDARD 16-INCH, ADJUSTABLE, 1-SECTION UNITS WITH I.T.E.-SPECIFICATION ('HAND-MAN') SYMBOLIC LENSES AND COUNTDOWN TIMERS. ALL OPTICALLY PROGRAMMABLE SHALL BE DENOTED BY AN ASTERISK (*), OR BY THE DESIGNATION "3M", AND SHALL BE AIMED AND PROGRAMMED WITH THE GUIDANCE OF THE DESIGNING TRAFFIC ENGINEER.
- UNLESS OTHERWISE NOTED, ALL MAST ARMS SHOWN SHALL BE CANTILEVER MOUNTED, TAPERED STEEL, MONOTUBE ARM.
- ANY SIGNAL MOUNTING SHOWN LABELED IS THE RECOMMENDATION OF THE DESIGNING TRAFFIC ENGINEER, AND SHALL BE FINALIZED BY THE DIVISION OF ELECTRICAL OPERATIONS. ALL SIGNAL HARDWARE SHALL PREFERABLY BE INSTALLED ON THE SIDE OF POLE/PEDESTAL AWAY FROM THE TRAVELED WAY.
- CARE SHALL BE TAKEN DURING CONSTRUCTION TO ACCOMMODATE ANY UNDERGROUND STRUCTURES ENCOUNTERED (VAULTS, MANHOLES, CONDUITS, ETC.).
- A MINIMUM DISTANCE OF 3 FEET FROM CURB FACE TO POLE/PEDESTAL CENTERLINE IS DESIRABLE, BUT MAY BE CHANGED FOR THE ABOVE MENTIONED ACCOMMODATION, UPON CONSULTING WITH THE DESIGNING TRAFFIC ENGINEER.
- TACTILE ARROW SHALL BE ALIGNED PARALLEL TO THE DIRECTION OF TRAVEL ON THE ASSOCIATED CROSSWALK.

LEGEND

- PROPOSED PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- PROPOSED TRAFFIC SIGNAL HEAD
- PROPOSED TRAFFIC SIGNAL POST OR POLE
- PROPOSED PEDESTRIAN PUSHBUTTON SHORT POST
- PROPOSED ACCESSIBLE PEDESTRIAN PUSH-BUTTON
- VIDEO DETECTION ZONE
- RETROREFLECTIVE R10-1102 "NO TURN ON RED ARROW" SIGN



NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
TRAFFIC SIGNAL REQUIREMENTS EAST RIVER ROAD AT BRYN MAWR AVENUE			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.:	DEO SHEET NO.	SHEET NUMBER	
860001.2127A		TS6	
DATE:			
#SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 56 OF 137



SPEED LIMITS:
EAST RIVER RD. = 35 MPH
BRYN MAWR AVE. = 30 MPH

CONSULTANT FIRM NAME/
ADDRESS
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9675 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DESIGNED BY:
ELIZABETH JENSEN

APPROVED BY:
G. MICHAEL ZIEGLER

DATE:

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC SAFETY

TRAFFIC SIGNAL REQUIREMENT PLAN

REVIEWED BY:

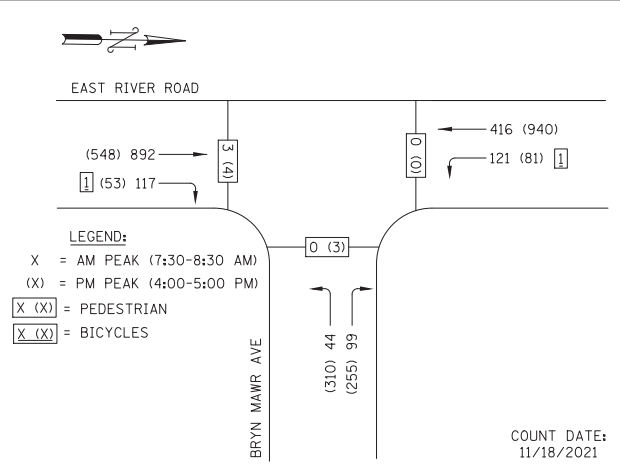
TRAFFIC ENGINEER

APPROVED BY:

TRAFFIC ENGINEER

DATE:

SCALE: 1"=20' SHEET OF 1



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ROSEMONT\860001.2127A\Traffic\TS6_ERiver-BrynMawr_PR -TS.dgn	ver-BrynMawr_PR -TS.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 18'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

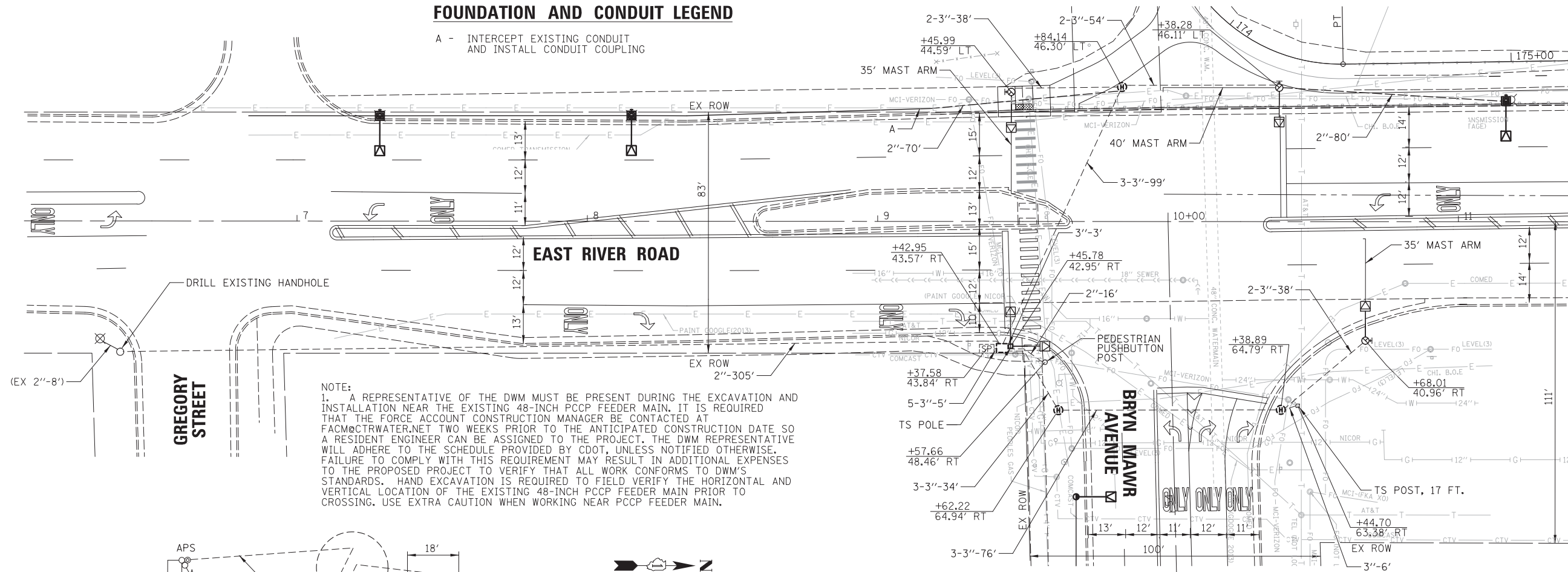
**TRAFFIC SIGNAL REQUIREMENTS
EAST RIVER ROAD AT BRYN MAWR AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	56
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

FOUNDATION AND CONDUIT LEGEND

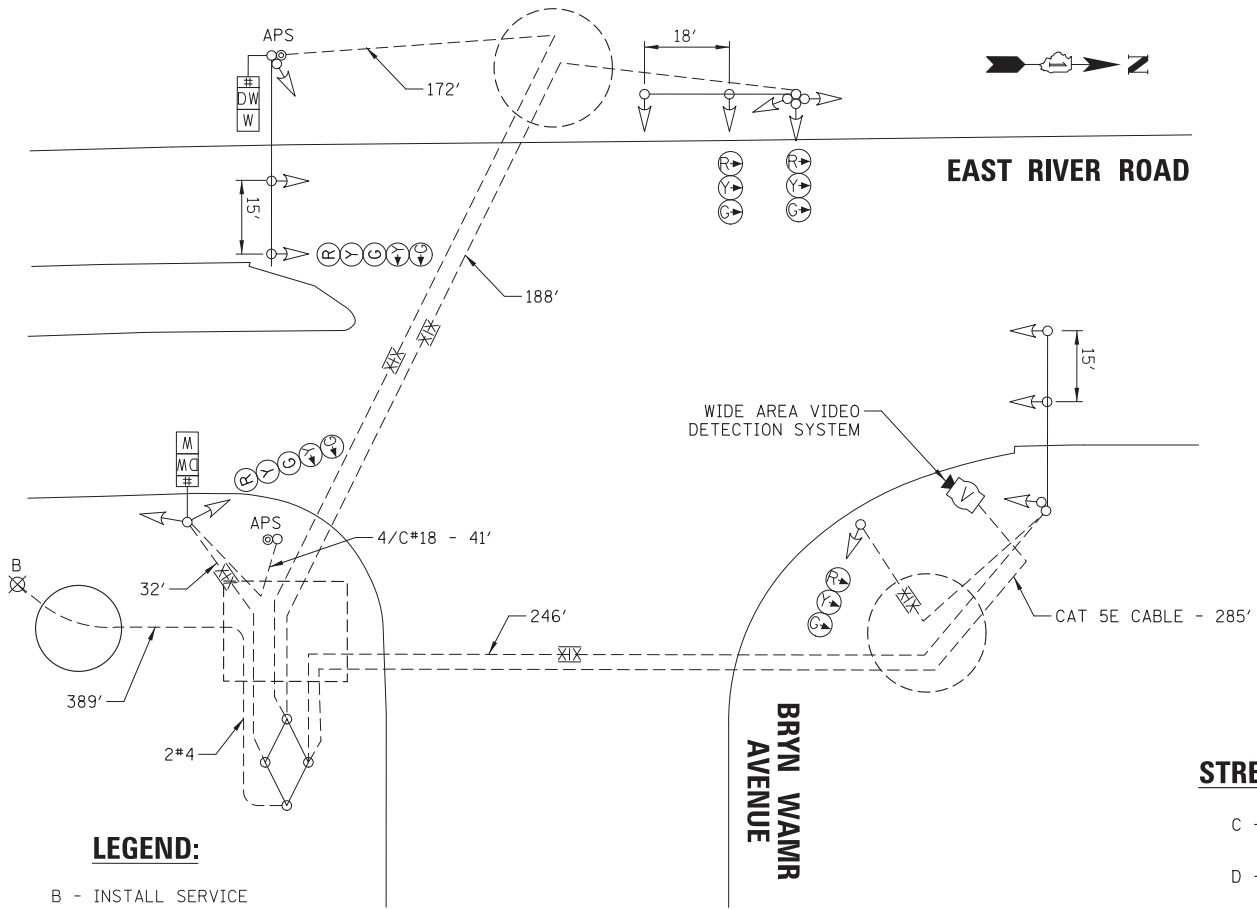
A - INTERCEPT EXISTING CONDUIT AND INSTALL CONDUIT COUPLING



NOTE:
1. A REPRESENTATIVE OF THE DWM MUST BE PRESENT DURING THE EXCAVATION AND INSTALLATION NEAR THE EXISTING 48-INCH PCCP FEEDER MAIN. IT IS REQUIRED THAT THE FORCE ACCOUNT CONSTRUCTION MANAGER BE CONTACTED AT FACM@CTR.WATER.NET TWO WEEKS PRIOR TO THE ANTICIPATED CONSTRUCTION DATE SO A RESIDENT ENGINEER CAN BE ASSIGNED TO THE PROJECT. THE DWM REPRESENTATIVE WILL ADHERE TO THE SCHEDULE PROVIDED BY CDOT, UNLESS NOTIFIED OTHERWISE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS. HAND EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING 48-INCH PCCP FEEDER MAIN PRIOR TO CROSSING. USE EXTRA CAUTION WHEN WORKING NEAR PCCP FEEDER MAIN.

FOUNDATION AND CONDUIT PLAN

SCALE: 1" = 20'



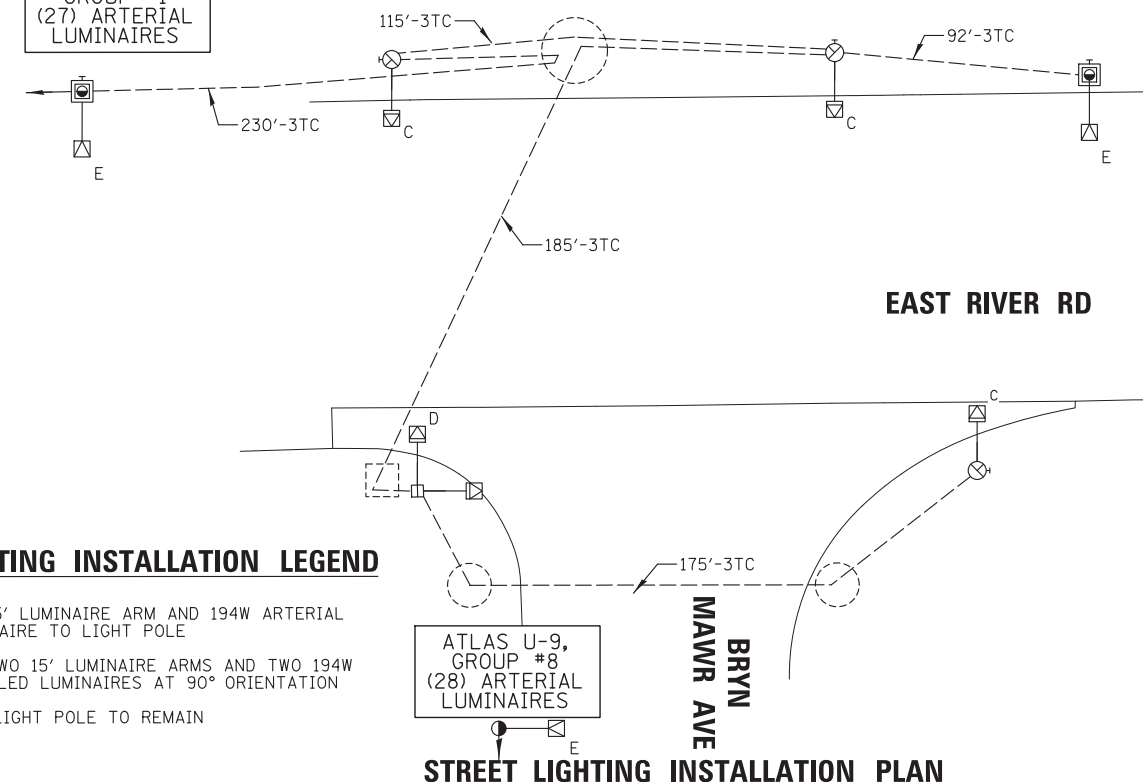
LEGEND:

B - INSTALL SERVICE

CABLE AND SIGNAL PLAN

NOT TO SCALE

ATLAS T-9, GROUP #1 (27) ARTERIAL LUMINAIRES



ATLAS U-9, GROUP #8 (28) ARTERIAL LUMINAIRES

STREET LIGHTING INSTALLATION LEGEND

- C - INSTALL 15' LUMINAIRE ARM AND 194W ARTERIAL LED LUMINAIRE TO LIGHT POLE
- D - INSTALL TWO 15' LUMINAIRE ARMS AND TWO 194W ARTERIAL LED LUMINAIRES AT 90° ORIENTATION
- E - EXISTING LIGHT POLE TO REMAIN

STREET LIGHTING INSTALLATION PLAN

NOT TO SCALE

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NO.	BY	DATE	DESCRIPTION
REVISIONS			

**DES PLAINES RIVER TRAIL
SEGMENT 2**

**PROPOSED TRAFFIC SIGNAL PLAN
EAST RIVER ROAD AT
BRYN MAWR AVENUE**

CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER
DATE: #SUB_DATE		TS7
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
		SHEET 57 OF 137

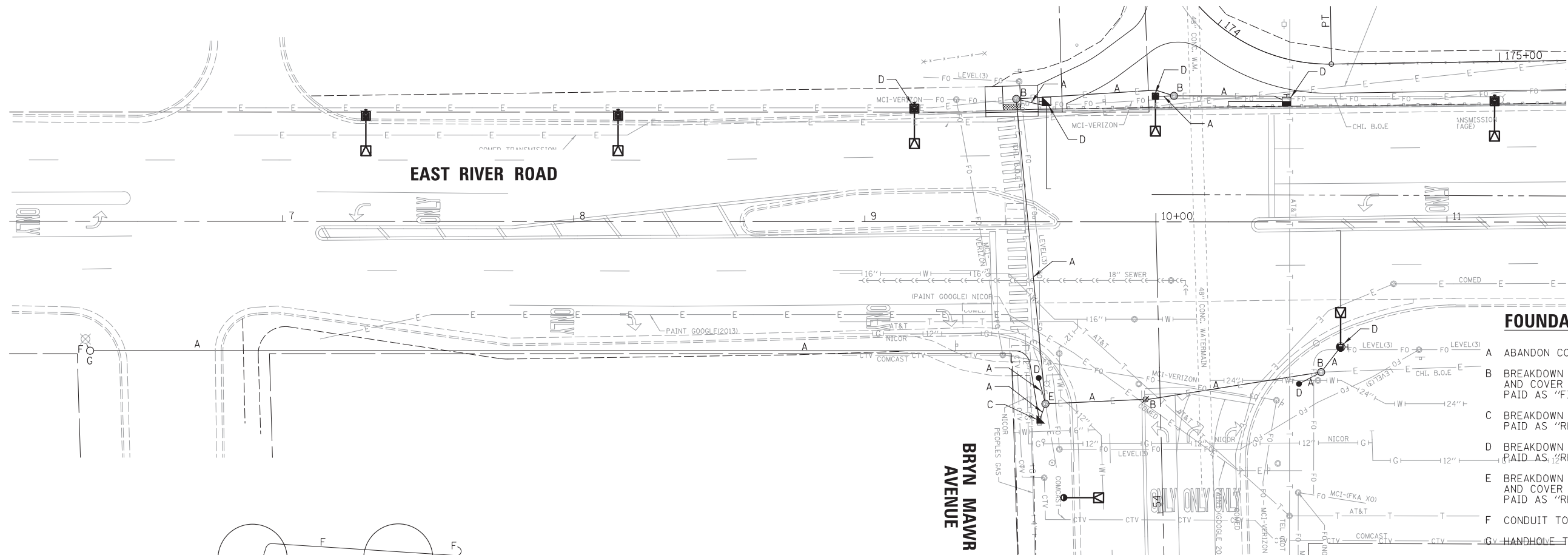
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT DATE = 4/26/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
EAST RIVER ROAD AT BRYN MAWR AVENUE**

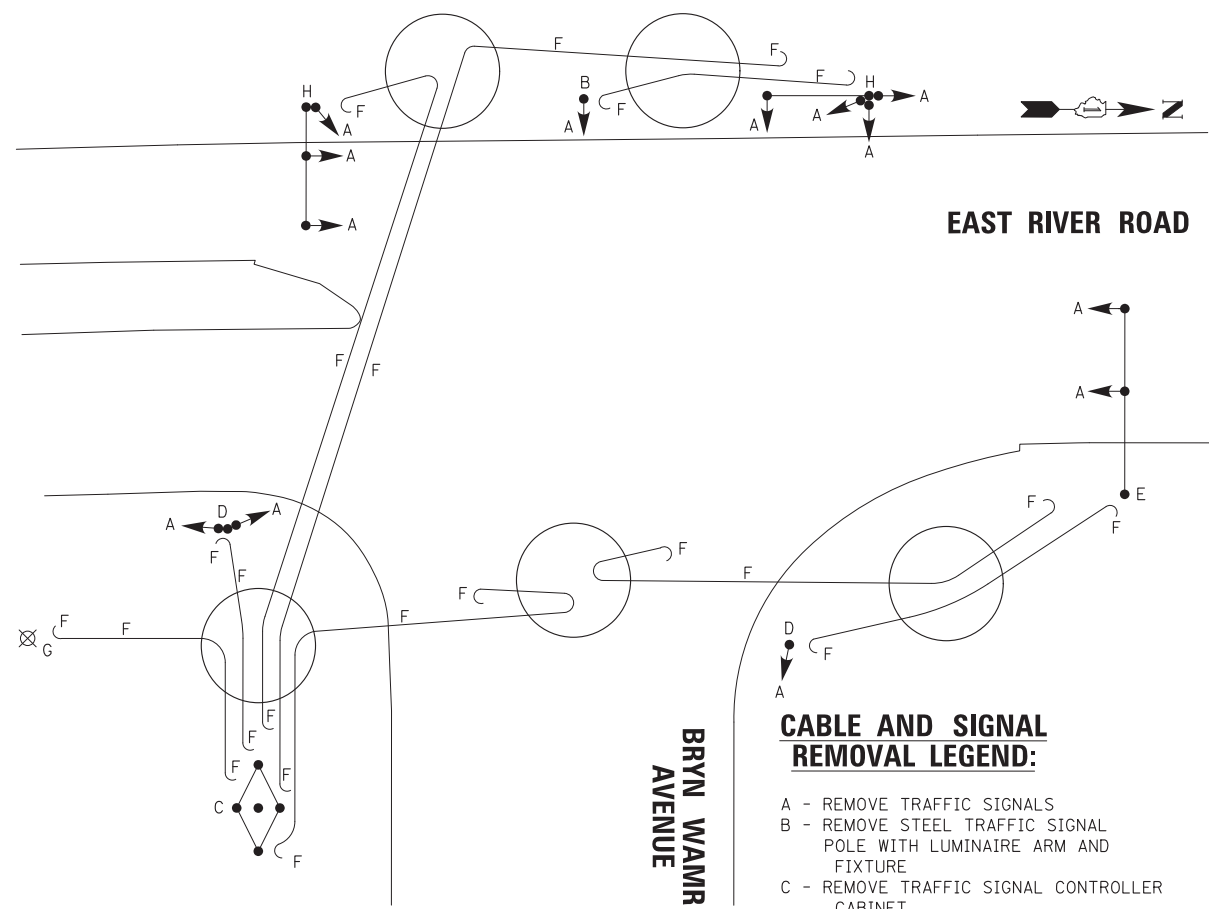
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	57
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



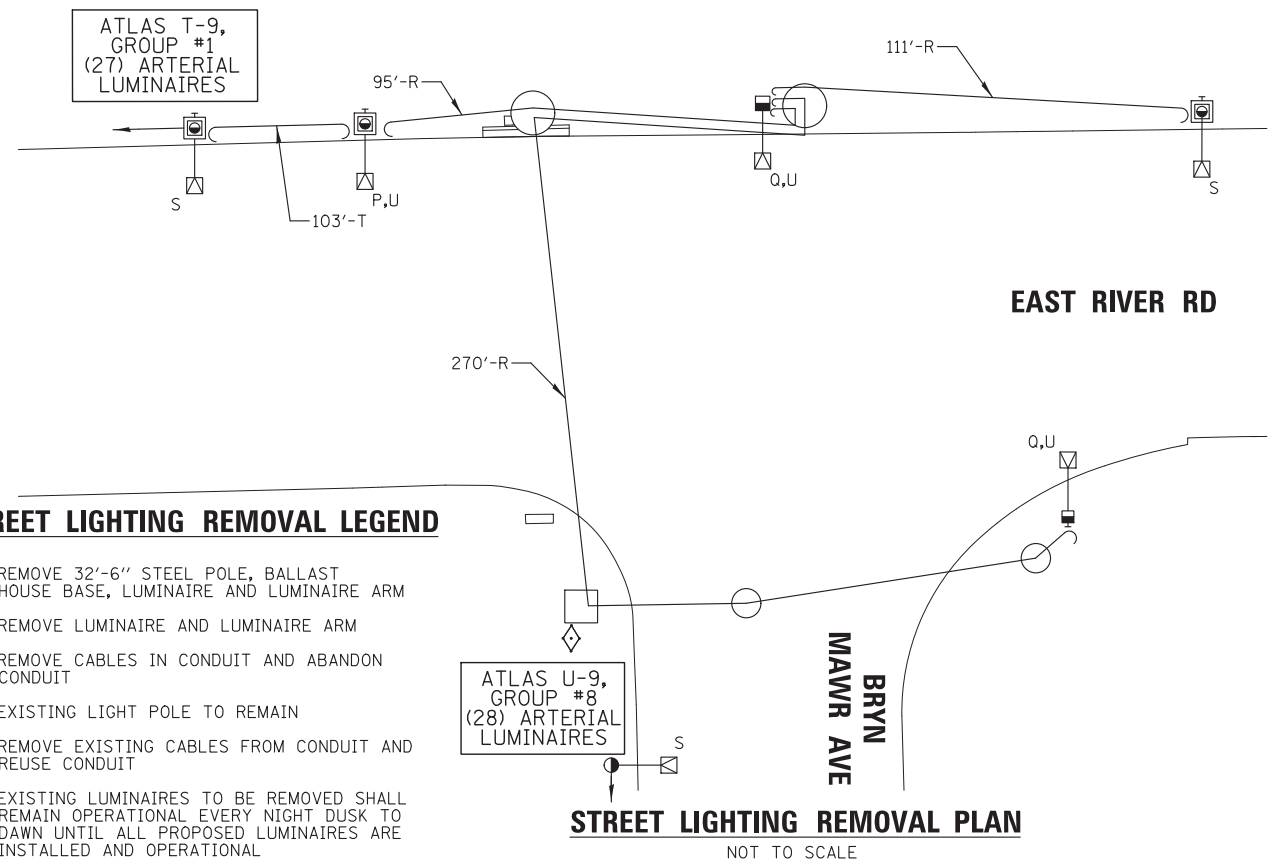
- FOUNDATION REMOVAL LEGEND**
- A ABANDON CONDUIT
 - B BREAKDOWN HANDHOLE, REMOVE FRAME AND COVER AND FILL WITH SAND PAID AS "FILLING EXISTING HANDHOLES"
 - C BREAKDOWN CONTROLLER CABINET FOUNDATION, PAID AS "REMOVE CONCRETE FOUNDATION (ELECTRICAL)"
 - D BREAKDOWN POLE / POST FOUNDATION, PAID AS "REMOVAL OF POLE FOUNDATION"
 - E BREAKDOWN MANHOLE, REMOVE FRAME AND COVER AND FILL WITH SAND, PAID AS "REMOVING MANHOLES, SPECIAL"
 - F CONDUIT TO REMAIN
 - G HANDHOLE TO REMAIN

FOUNDATION REMOVAL PLAN
SCALE: 1" = 20'



- CABLE AND SIGNAL REMOVAL LEGEND:**
- A - REMOVE TRAFFIC SIGNALS
 - B - REMOVE STEEL TRAFFIC SIGNAL POLE WITH LUMINAIRE ARM AND FIXTURE
 - C - REMOVE TRAFFIC SIGNAL CONTROLLER CABINET
 - D - REMOVE TRAFFIC SIGNAL POST
 - E - REMOVE STEEL MAST ARM AND POLE WITH LUMINAIRE ARM AND FIXTURE
 - F - PULL OUT CABLE
 - G - REMOVE POWER SERVICE
 - H - REMOVE STEEL MAST ARM AND POLE

CABLE AND SIGNAL REMOVAL PLAN
NOT TO SCALE



- STREET LIGHTING REMOVAL LEGEND**
- P - REMOVE 32'-6" STEEL POLE, BALLAST HOUSE BASE, LUMINAIRE AND LUMINAIRE ARM
 - Q - REMOVE LUMINAIRE AND LUMINAIRE ARM
 - R - REMOVE CABLES IN CONDUIT AND ABANDON CONDUIT
 - S - EXISTING LIGHT POLE TO REMAIN
 - T - REMOVE EXISTING CABLES FROM CONDUIT AND REUSE CONDUIT
 - U - EXISTING LUMINAIRES TO BE REMOVED SHALL REMAIN OPERATIONAL EVERY NIGHT DUSK TO DAWN UNTIL ALL PROPOSED LUMINAIRES ARE INSTALLED AND OPERATIONAL

STREET LIGHTING REMOVAL PLAN
NOT TO SCALE

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(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			

**DES PLAINES RIVER TRAIL
SEGMENT 2**

**EXISTING TRAFFIC SIGNAL EQUIPMENT
REMOVAL PLAN
EAST RIVER ROAD AT
BRYN MAWR AVENUE**

CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.: 860001.2127A	DESIGN SHEET NO.	SHEET NUMBER TS8
DATE: #SUB.#DATE	DSGN EAJ	DRAWN FPB
	CHECK GMZ	
SHEET 58 OF 137		

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	PLOT SCALE = 28'	DRAWN -	REVISED -
	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

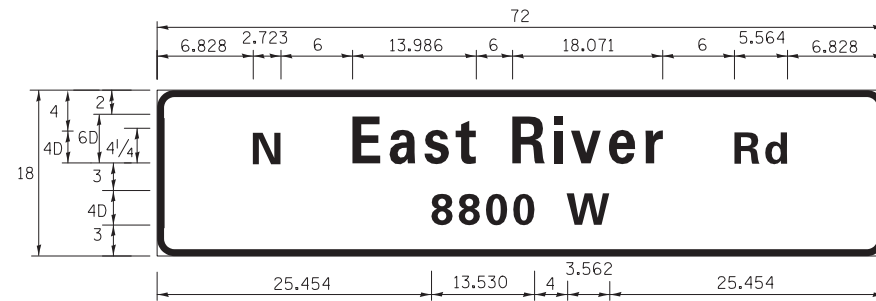
**EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
EAST RIVER ROAD AT BRYN MAWR AVENUE**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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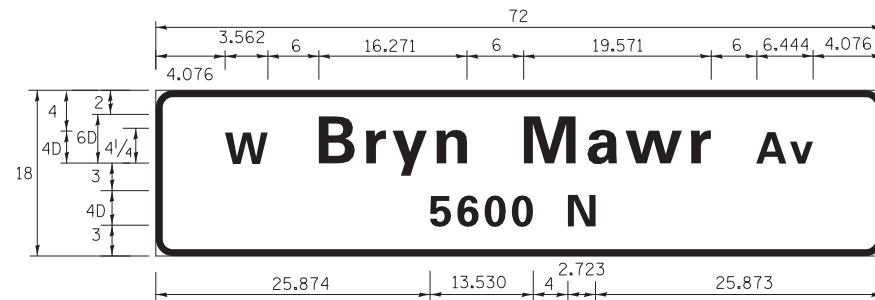
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	58
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

STREET NAME SIGNS, MAST ARM MOUNTED

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	1	ZZ	2

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NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
MAST ARM MOUNTED STREET NAME SIGNS EAST RIVER ROAD AT BRYN MAWR AVENUE			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS9	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
	EAJ	FPB	GMZ
			SHEET 59 OF 137

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT SCALE = 18'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
EAST RIVER ROAD AT BRYN MAWR AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	59
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

DIAL	CYCLE LENGTH	OFFSET	TIMES OF OPERATION	FLASH OPERATION
1	85''	0''	ALL OTHER TIMES	RD2, RD6, RD8, ALL PROTECTED/ PERMITTED ARROWS AND WALK/DON'T WALK OFF
2	85''	0''	6:00 AM TO 10:00 AM MON. - FRI.	
3	85''	0''	3:00 PM TO 7:00 PM MON. - FRI.	
4				

DIAL 1

PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN	5							
VEHICLE EXT.	0							
MAX GREEN	5	38				46		26
TRAILING GREEN								
YELLOW CHANGE	3	3				3		3
RED CLEARANCE		2				2		2
WALK								4
PED CLEARANCE								19
SPLITS	8	43				51		31
SEQUENCE	LEAD							
ADVANCE PED (LPI)								3
HOLDING PED (LAG PED)								
RECALL		MAX				MAX		MAX
FORCE MODE	N/A							

DIAL 2

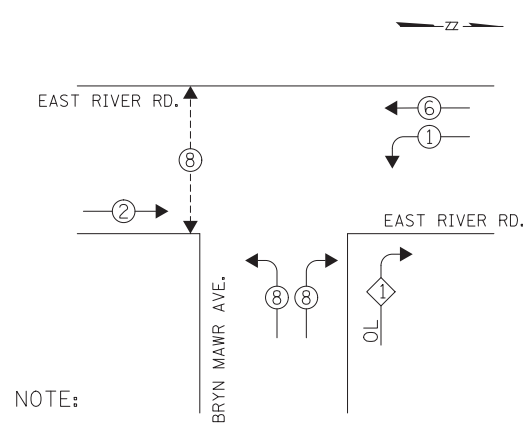
PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN	5							
VEHICLE EXT.	0							
MAX GREEN	5	38				46		26
TRAILING GREEN								
YELLOW CHANGE	3	3				3		3
RED CLEARANCE		2				2		2
WALK								4
PED CLEARANCE								19
SPLITS	8	43				51		31
SEQUENCE	LEAD							
ADVANCE PED (LPI)								3
HOLDING PED (LAG PED)								
RECALL		MAX				MAX		MAX
FORCE MODE	N/A							

DIAL 3

PHASE NUMBER	PHASE							
	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN	5							
VEHICLE EXT.	0							
MAX GREEN	5	38				46		26
TRAILING GREEN								
YELLOW CHANGE	3	3				3		3
RED CLEARANCE		2				2		2
WALK								4
PED CLEARANCE								19
SPLITS	8	43				51		31
SEQUENCE	LEAD							
ADVANCE PED (LPI)								3
HOLDING PED (LAG PED)								
RECALL		MAX				MAX		MAX
FORCE MODE	N/A							

CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC SAFETY	
TRAFFIC SIGNAL TIMING SCHEDULE	
N. EAST RIVER ROAD & W. BRYN MAWR AVENUE	
CONSULTANT FIRM NAME/ ADDRESS	5600 N. / 8800 W.
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. HIGGINS RD SUITE 600 ROSEMONT, IL 60018	DESIGNED BY:
DESIGNED BY:	TRAFFIC ENGINEER
ELIZABETH JENSEN, PE	REVIEWED BY:
APPROVED BY:	TRAFFIC ENGINEER
G. MICHAEL ZIEGLER, PE	APPROVED BY:
DATE:	DATE: XX-XX-XXXX
SHEET: 1 OF 1	SENT: 04-11-2022 INSTALLED:

CONTROLLER SEQUENCE

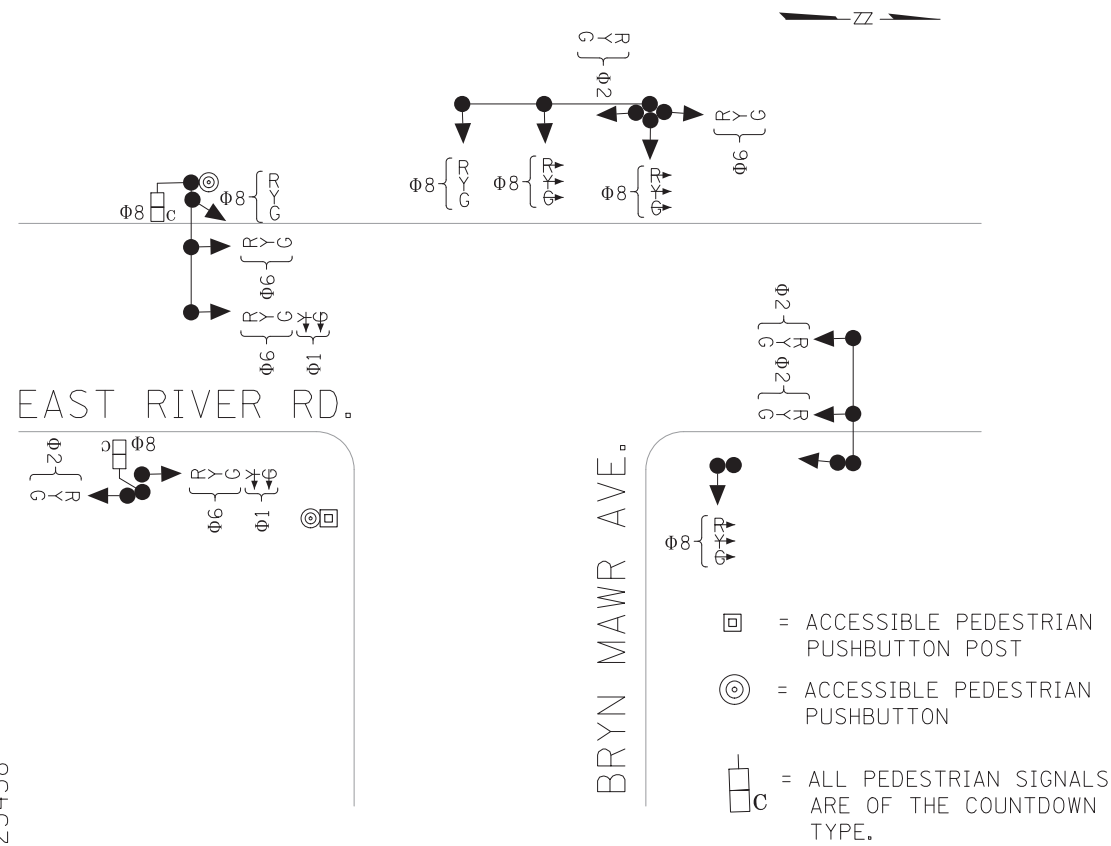
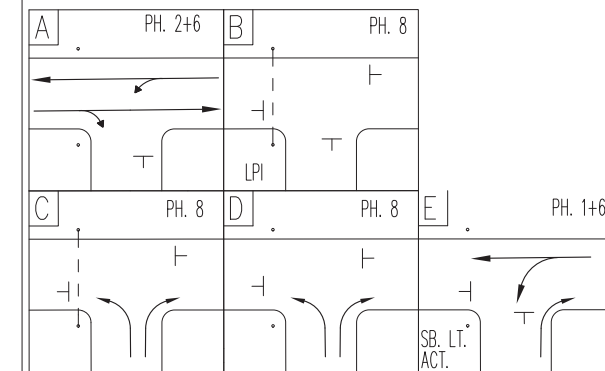


NOTE:

A) OVERLAP 1 = PHASE 1

- LEGEND**
- ⊕ DUAL ENTRY PHASE
 - ⊖ SINGLE ENTRY PHASE
 - OL OVERLAP
 - ⊙ PEDESTRIAN PHASE
 - # NUMBER REFERS TO ASSOCIATED PHASE

PHASING



- ⊕ = ACCESSIBLE PEDESTRIAN PUSHBUTTON POST
- ⊙ = ACCESSIBLE PEDESTRIAN PUSHBUTTON
- ⊖ = ALL PEDESTRIAN SIGNALS ARE OF THE COUNTDOWN TYPE.

DEO Drwg No: 23458

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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
TIMING SCHEDULE EAST RIVER ROAD AT BRYN MAWR AVENUE			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS10	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
			SHEET 60 OF 137

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -
default	PLOT DATE = 4/26/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TIMING SCHEDULE
EAST RIVER ROAD AT BRYN MAWR AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	60
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

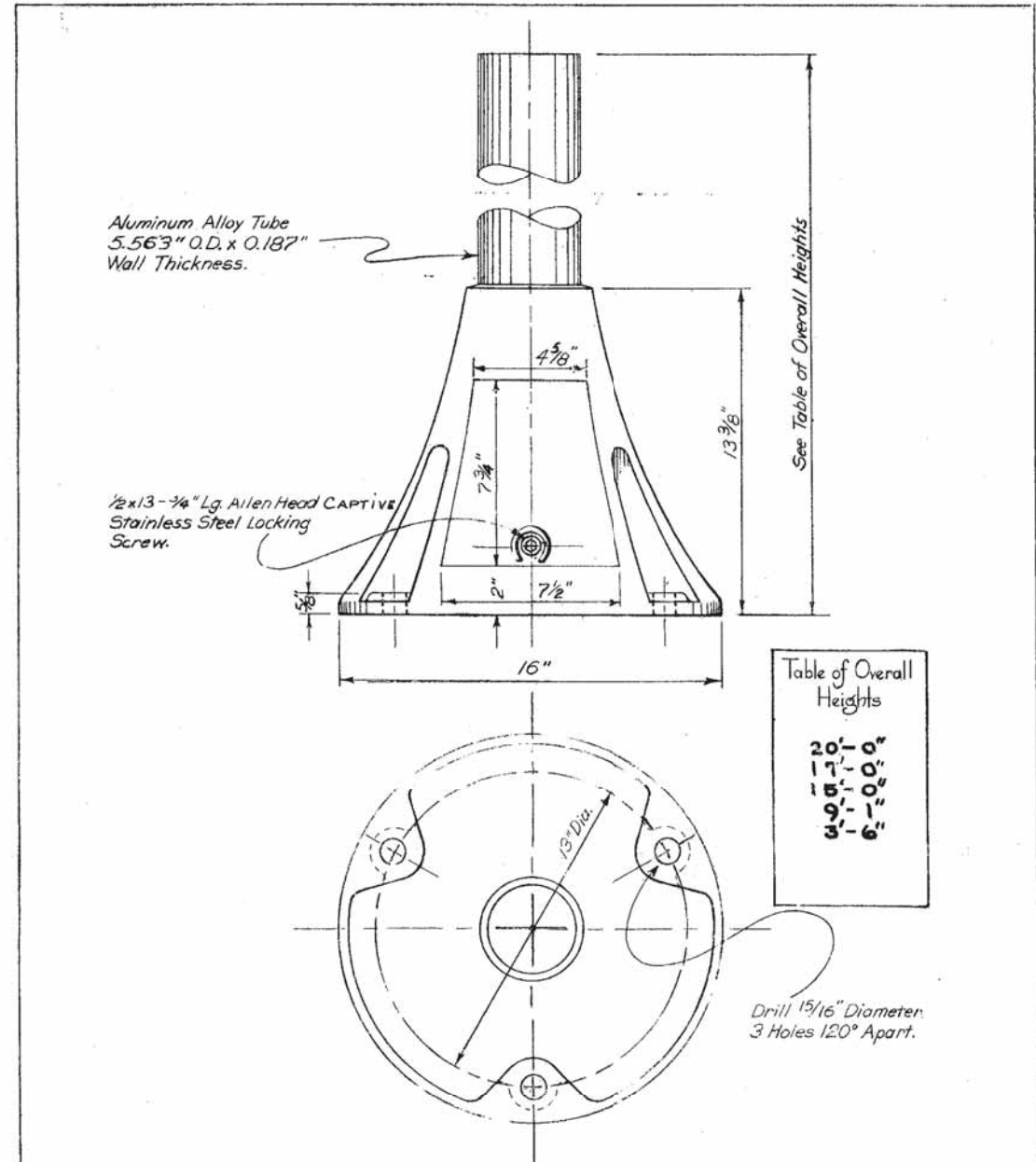


Table of Overall Heights

20'-0"
17'-0"
15'-0"
9'-0"
6'-0"

ALUMINUM PEDESTAL BASE WITH HANDHOLE
for
Street Lighting Controller, Traffic Signal
Controller and Traffic Signal Heads.

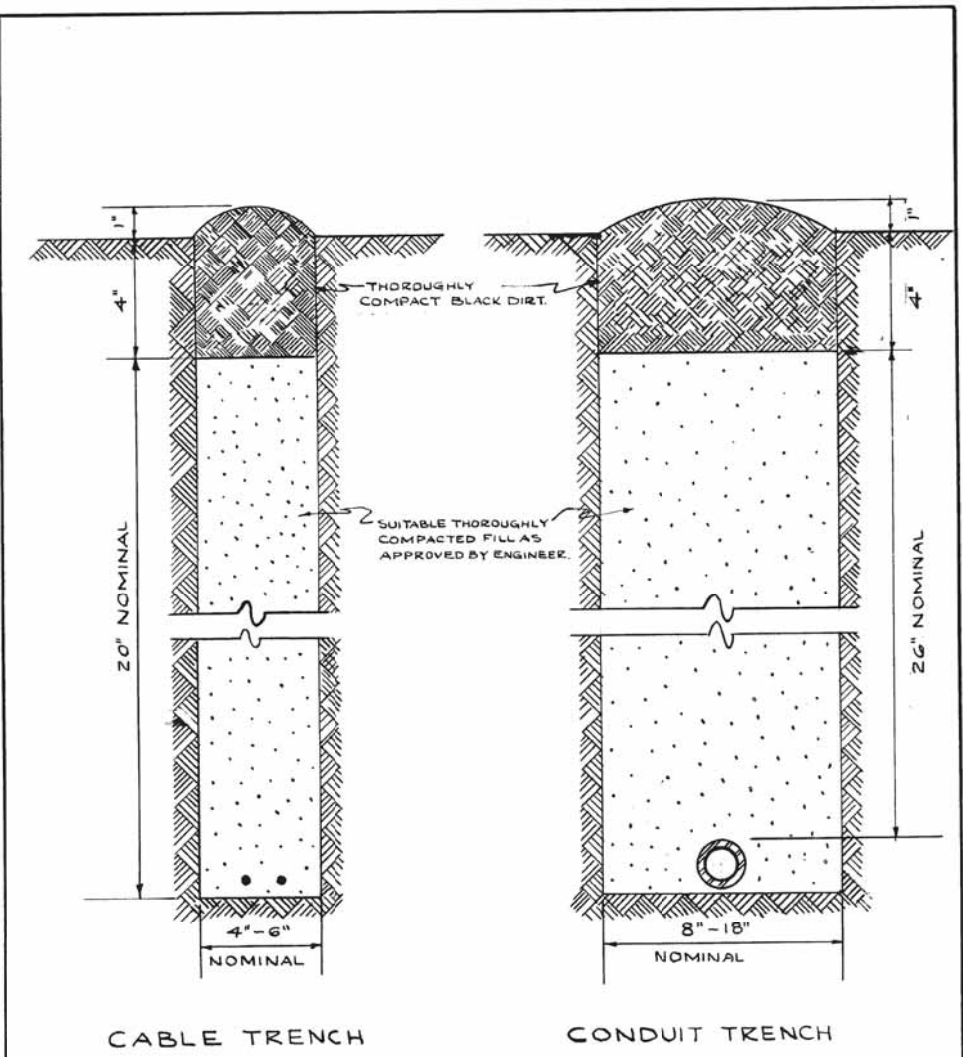
REVISION	DATE	DESCRIPTION	ENGINEER	DRG. NO.
CHANGED OVERALL HEIGHTS	5-22-81			
Revised Table of Overall Heights	A 5-5-60			
Revised O.D. of Pedestal	B 6-30-60			
Revised Specification Number	C 12-21-60			
REVISED TABLE OF OVERALL HEIGHTS	D 3-23-62			
REVISED DOOR DIMENSIONS	E 6-4-64			
Revised Overall Heights	F 7-14-71			
REVISED OVERALL HEIGHTS	G OCT 26, 73			
REVISED OVERALL HEIGHTS	H 5-4-79			

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAWN: R. COLLEY
CHECKED: J. BORE
ENGINEER: Ruzicha
DRG. NO. 526

ENG. IN CHARGE: [Signature]
DEPT. OF CONSTRUCTION
DEPUTY COMMISSIONER

SIZE: 8 1/2" x 14" SCALE: 1/4" = 1'-0" DATE: 4-13-60



NOTE
EXCESS SOIL FROM TRENCH TO BE COMPLETELY REMOVED FROM SITE AS SOON AS PRACTICABLE.
BLACK DIRT TO BE TAMPED & THOROUGHLY COMPACTED AS SHOWN.

STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS

REVISION	DATE	DESCRIPTION	ENGINEER	DRG. NO.
A				
B				
C				
D				
E				
F				
G				
H				

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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
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NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL			
SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION			
DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE:		TS11	
#SUB. DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
SHEET 61 OF 137			

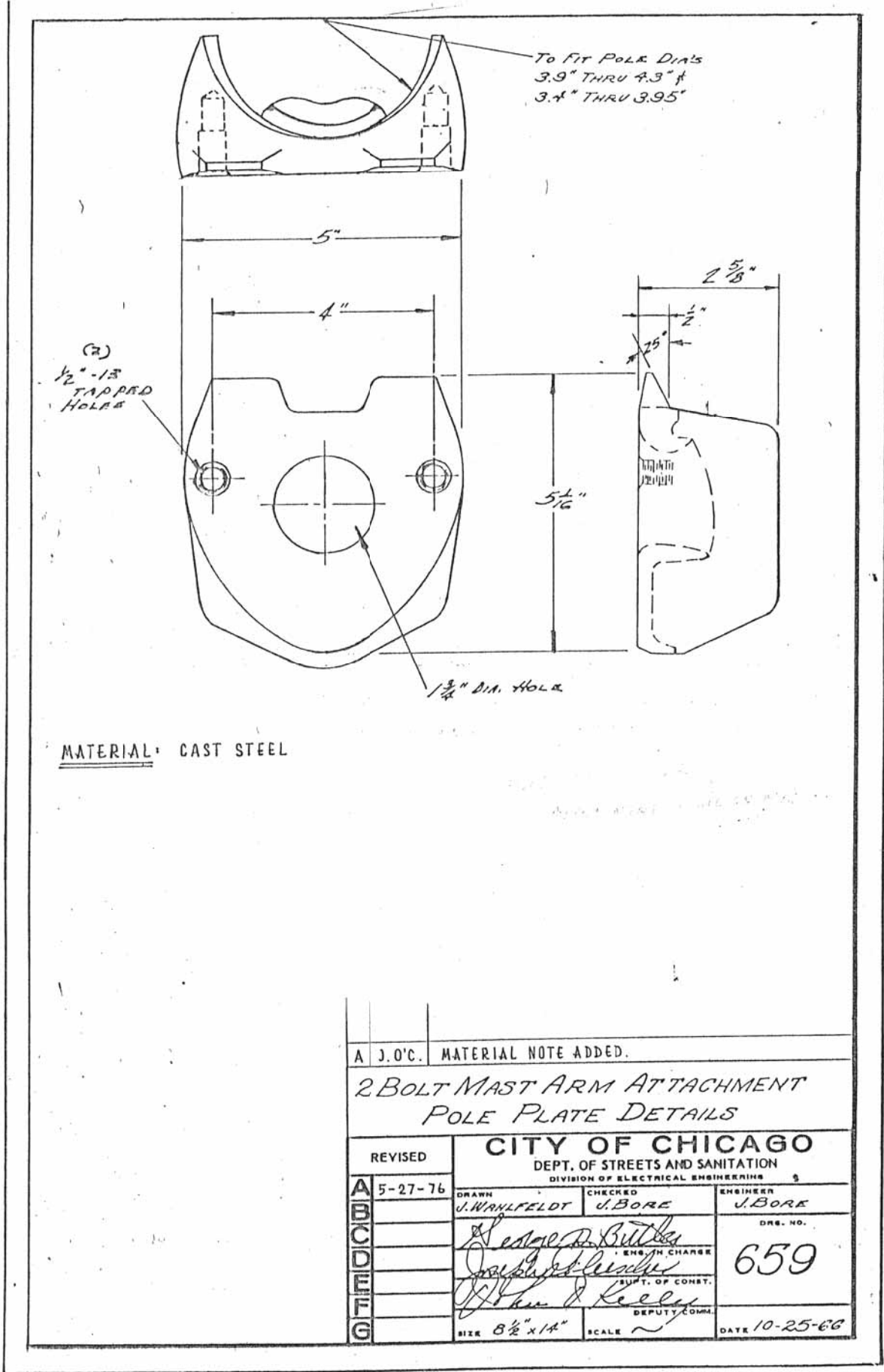
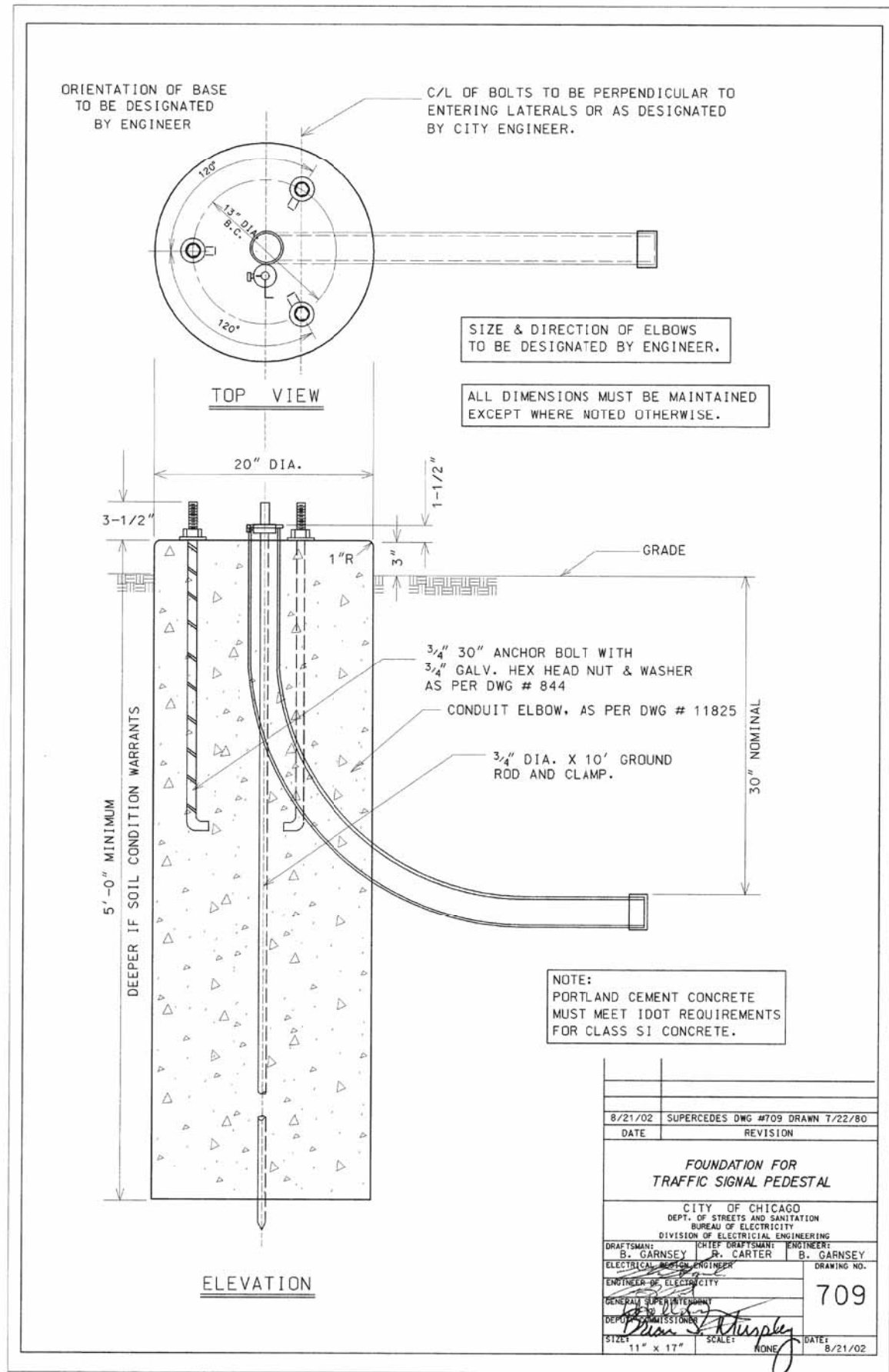
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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	61
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

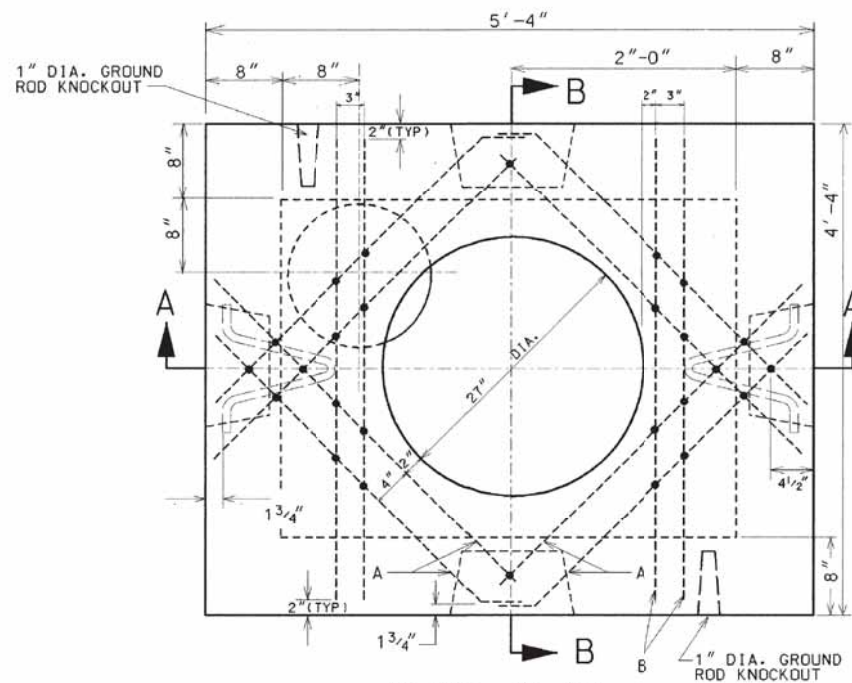
NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS12	
DATE: #SUB. DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
SHEET 62 OF 137			

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	62
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



ROOF PLAN

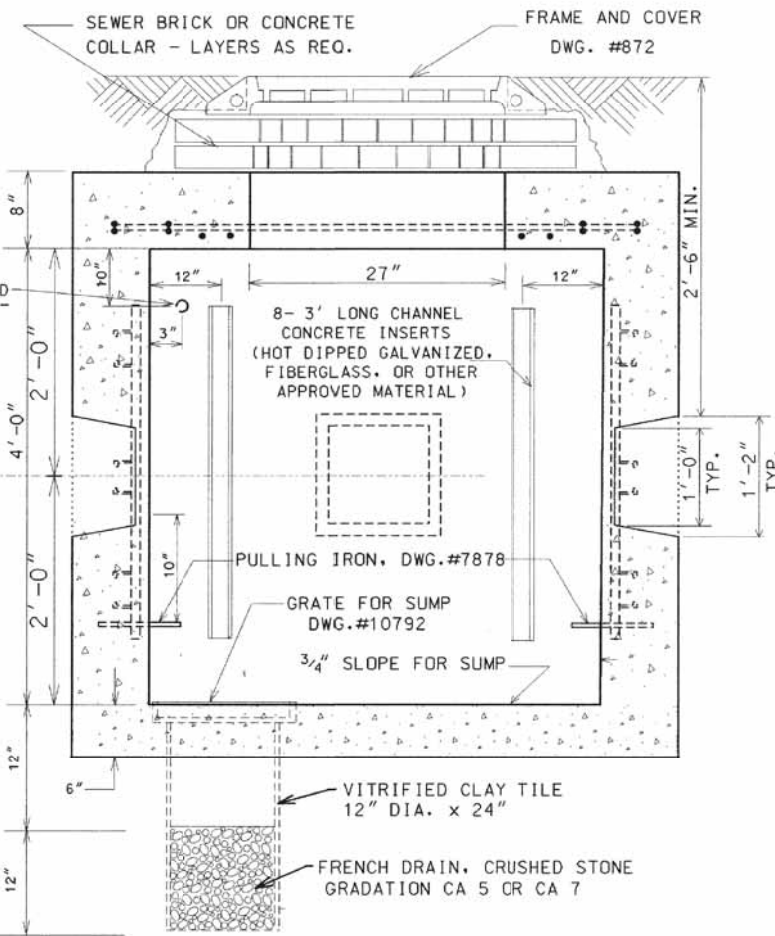
EXCAVATION (CONSTRUCTION INFORMATION)	
COMPLETE MANHOLE	6.0 CU. YDS.
NEW ROOF ONLY	2.0 CU. YDS.
SHEETING MANHOLE	150.0 SQ. FT.

#5 REINFORCING BARS			
BAR	LENGTH	NO. OF RODS	TOTAL FT.
A	3'-4"	4	13'-4"
B	4'-0"	10	40'-0"

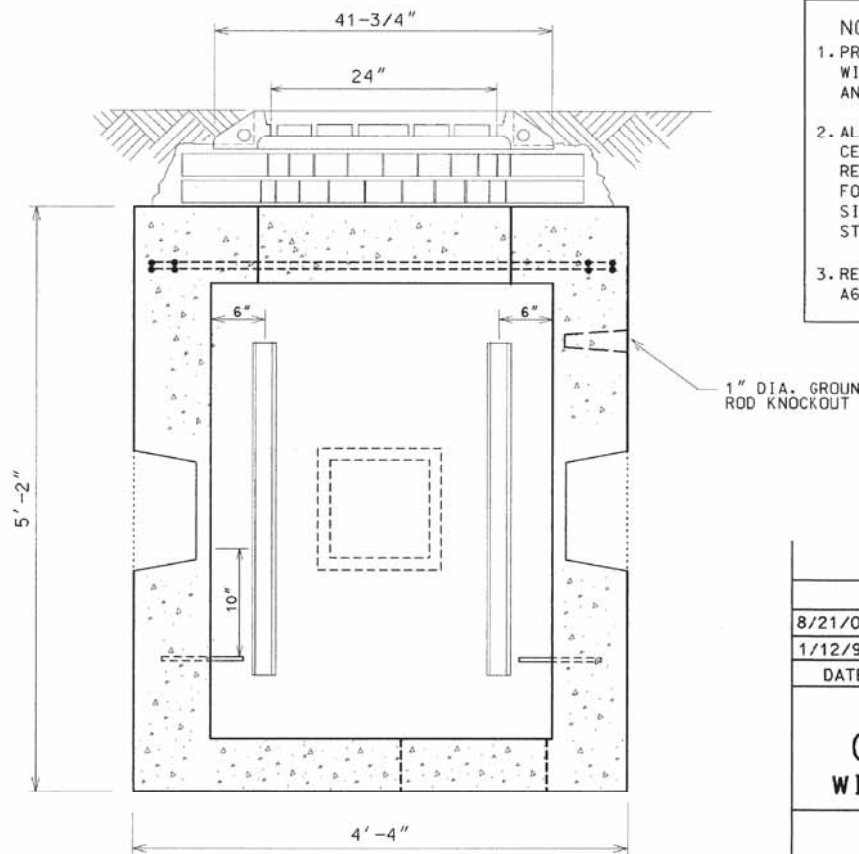
MATERIALS FOR ROOF ONLY	
CONCRETE	0.45 CU. YDS.
REINFORCING BARS #5	54'

DRG.	MATERIAL	CODE	SIZE	No. Req.
	FORM FOR MANHOLE	17-6674-6000 17-6648-5320	3x4x4	1
	CONDUIT END BELL		AS REQ.	
	TILE, SEWER	39-1038-3200	12"x24"	1
	SLAB BOLSTER		2"	20'
	BAR, REINFORCING	20-5472-9650	5/8" Ø	54'
	TIE WIRE	13-9938-6106	#20GA	35'
7878	PULLING IRON	02-4483-6970	3/4" Ø	2
	CONCRETE	05-3267-2940	3 CU.	YDS
	SEWER BRICK	05-1452-9720	STD.	50
10792	GRATE FOR SUMP	02-4368-7100	15" Ø	1
	GROUND ROD	09-7796-9200	3/4"x10'	1
	GROUND ROD CLAMP	09-2636-3240	3/4"	1
	CRUSHED STONE	05-9057-5471	3/4"	TWO BAGS
872	MANHOLE FRAME	02-4299-5524	24"	1
872	MANHOLE COVER	02-4574-5040	24"	1
	CONC. CHANNEL INSERT	02-4574-5040	3'	8

- NOTES:
1. PRECAST MANHOLES MUST BE PROVIDED WITH CHANNEL INSERTS, PULLING IRONS, AND CONDUIT KNOCK-OUTS.
 2. ALL CONCRETE MUST BE PORTLAND CEMENT CONCRETE MEETING IDOT REQUIREMENTS FOR CLASS PC CONCRETE FOR PRE-CAST STRUCTURES, OR CLASS SI CONCRETE FOR CAST-IN-PLACE STRUCTURES.
 3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.



SECTION A-A



SECTION B-B

8/21/02	SUPERCEDES DWG. 730 DATED JAN 12, 1996
1/12/96	SUPERCEDES DWG. 730 DATED NOV. 21, 1973
DATE	REVISION
3' x 4' x 4' CONCRETE MANHOLE WITH 24" FRAME AND COVER	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: R. CARTER
ENGINEER: B. GARNSEY	
ELECTRICAL DESIGN ENGINEER	DRAWING NO.
ENGINEER OF ELECTRICITY	730
GENERAL SUPERINTENDENT	
DEPUTY COMMISSIONER	
SIZE: 17" x 22"	SCALE: NONE
	DATE: 8/21/02

- DETAIL NOTES:
1. NO SPLICES SHALL BE ALLOWED IN MANHOLES OR HANDHOLES.
 2. SEE CHICAGO DWG NO. 736 FOR GROUNDING DETAILS.

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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.:	DEO SHEET NO.	SHEET NUMBER	
860001.2127A		TS13	
DATE:			
#SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 63 OF 137

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

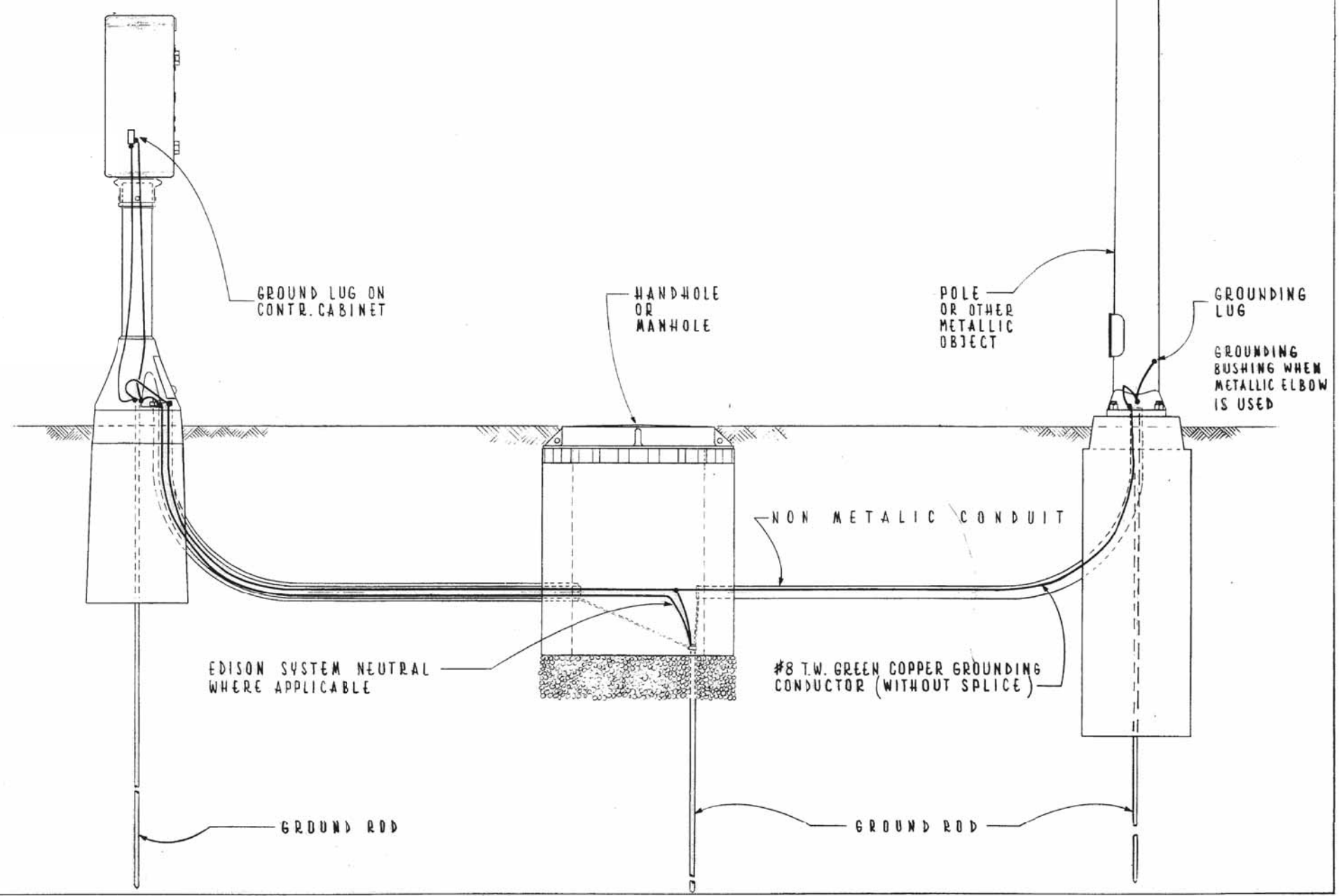
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	63
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

NOTE: TERMINATE ALL METALLIC CONDUIT WITH GROUNDING BUSHING & GROUND TO GROUND ROD
 WHEN METALLIC CONDUIT IS USED DELETE GROUNDING CONDUCTOR



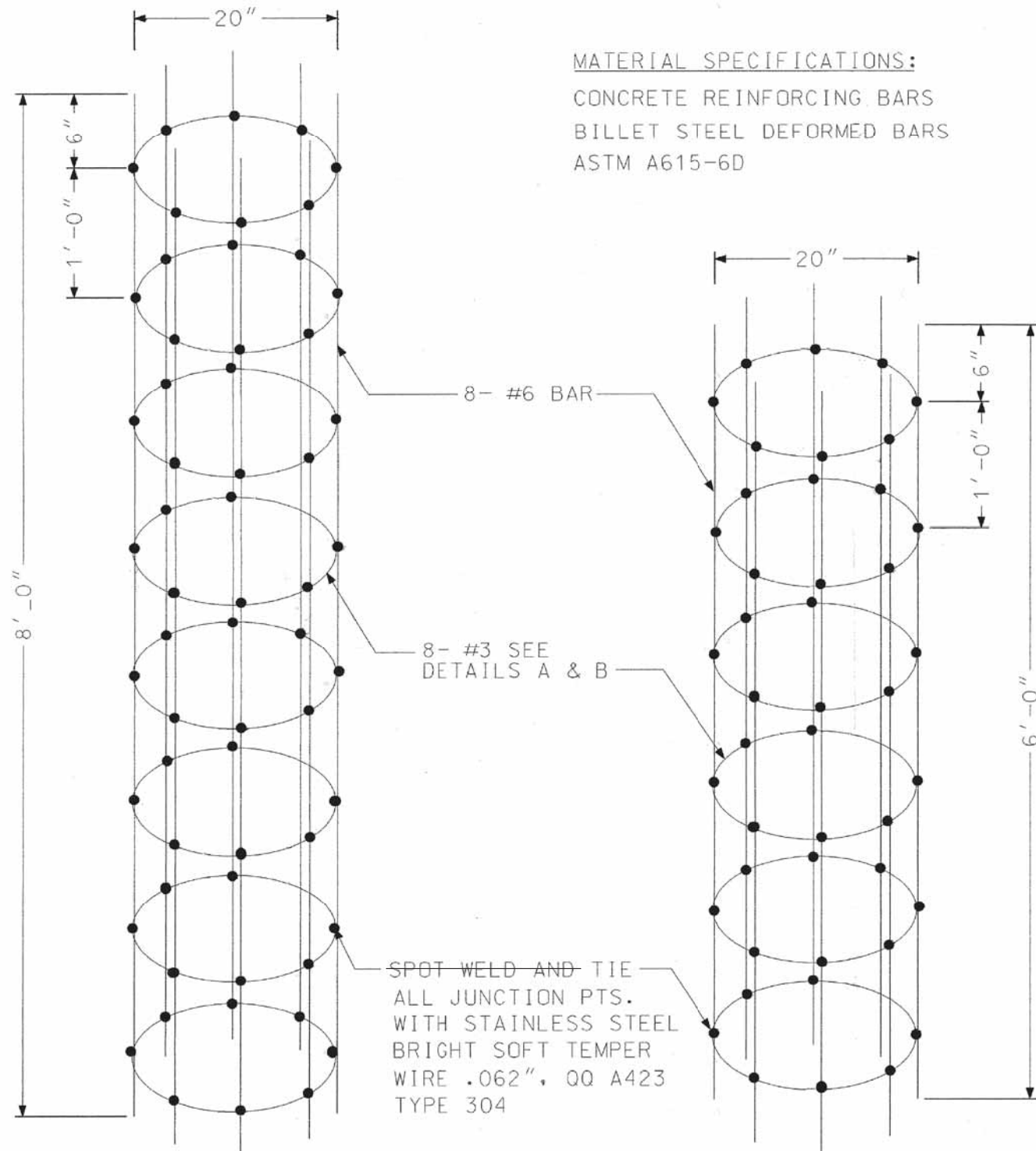
**TYPICAL GROUNDING METHODS
FOR
BUREAU OF ELECTRICITY EQUIPMENT**

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY ENGINEERING
DIVISION OF ELECTRIC ENGINEERING

A	DRAWN: E. GERULIS	CHECKED: M. SHINE	ENGINEER: J. O'CONNOR	DWG. NO. 736	
B	SUPV. OF CONST. C. B. BURKE				
C	ENGR. OF ELEC. C. BURKE				
D	DEPT. CHIEF C. BURKE				
E	DEPT. CHIEF C. BURKE				
F	SIZE: 8 1/2" x 14"	SCALE: 1" = 10'			

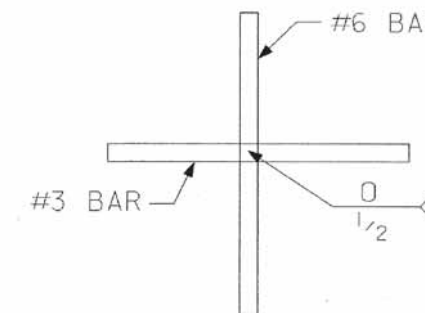
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS14	
DATE: #SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 64 OF 137

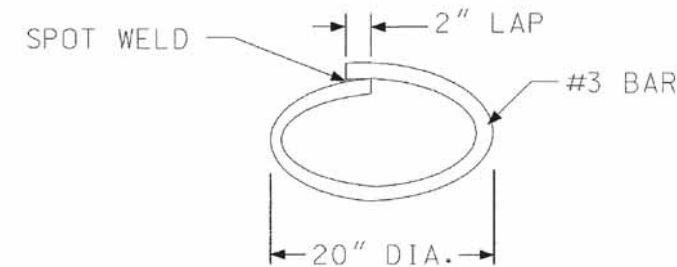


MATERIAL SPECIFICATIONS:
 CONCRETE REINFORCING BARS
 BILLET STEEL DEFORMED BARS
 ASTM A615-6D

CODE	COMMODITY	SIZE	QUANTITY
20-9545	ROD, WELDING LINCOLN WELD OR EQUAL	#7018	5#
31-	WIRE, TIE STEEL STAINLESS QQ W423 COND. "A" SOFT	.062	1.0#



DETAIL "B"



DETAIL "A"

ISOMETRIC VIEW OF
8' STEEL CAGE

ISOMETRIC VIEW OF
6' STEEL CAGE

REVISION	DATE
STEEL CAGES FOR POLE FOUNDATIONS	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: I. ABABNEH	ENGINEER: R. POOL
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.	DATE: 30-12-02
ENGINEER - ELECTRICITY: M. ZAK	DWG. NO. 793A
SIZE: 16" 21"	SCALE: NONE

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NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS15	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
	EAJ	FPB	GMZ
			SHEET 65 OF 137

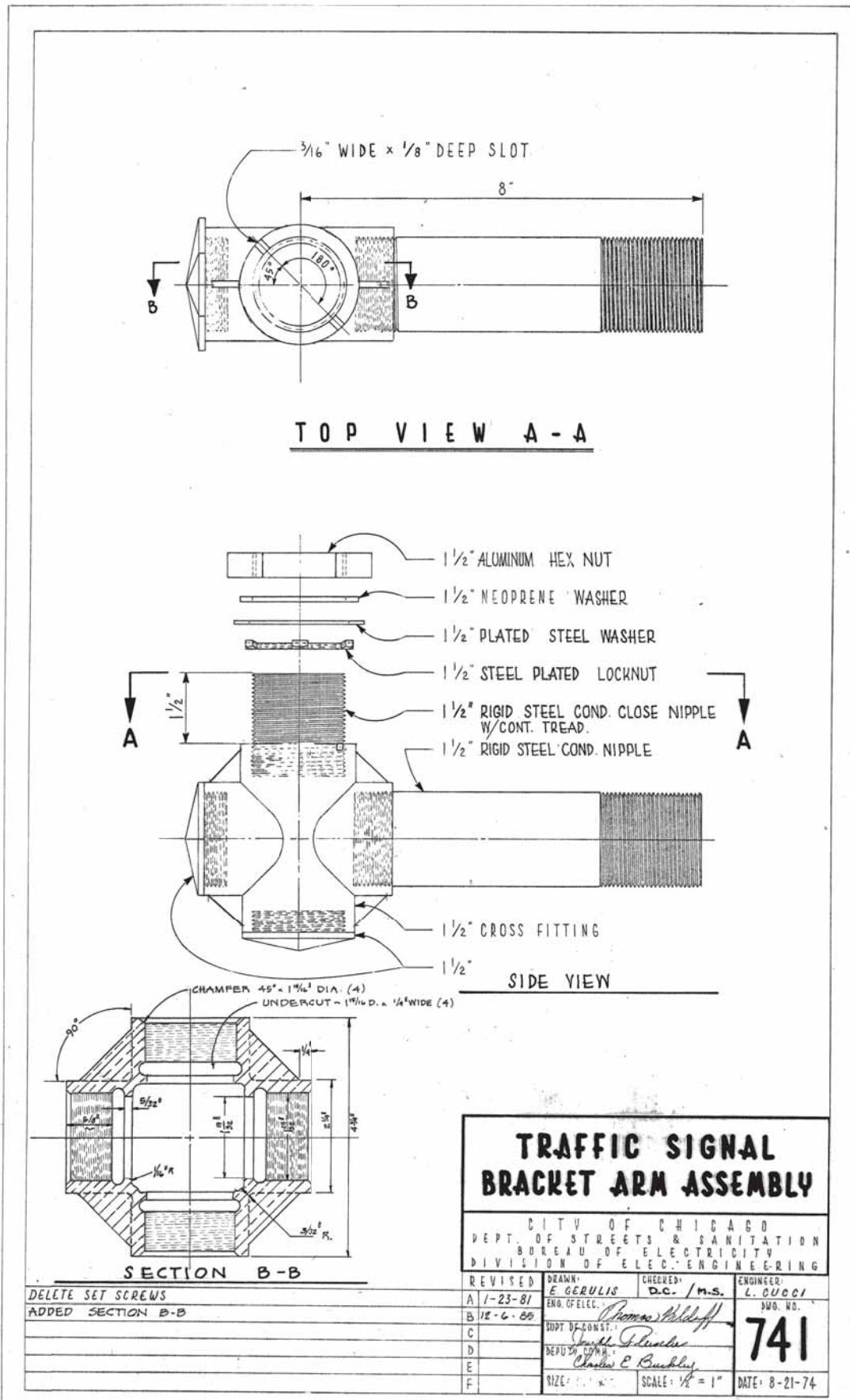
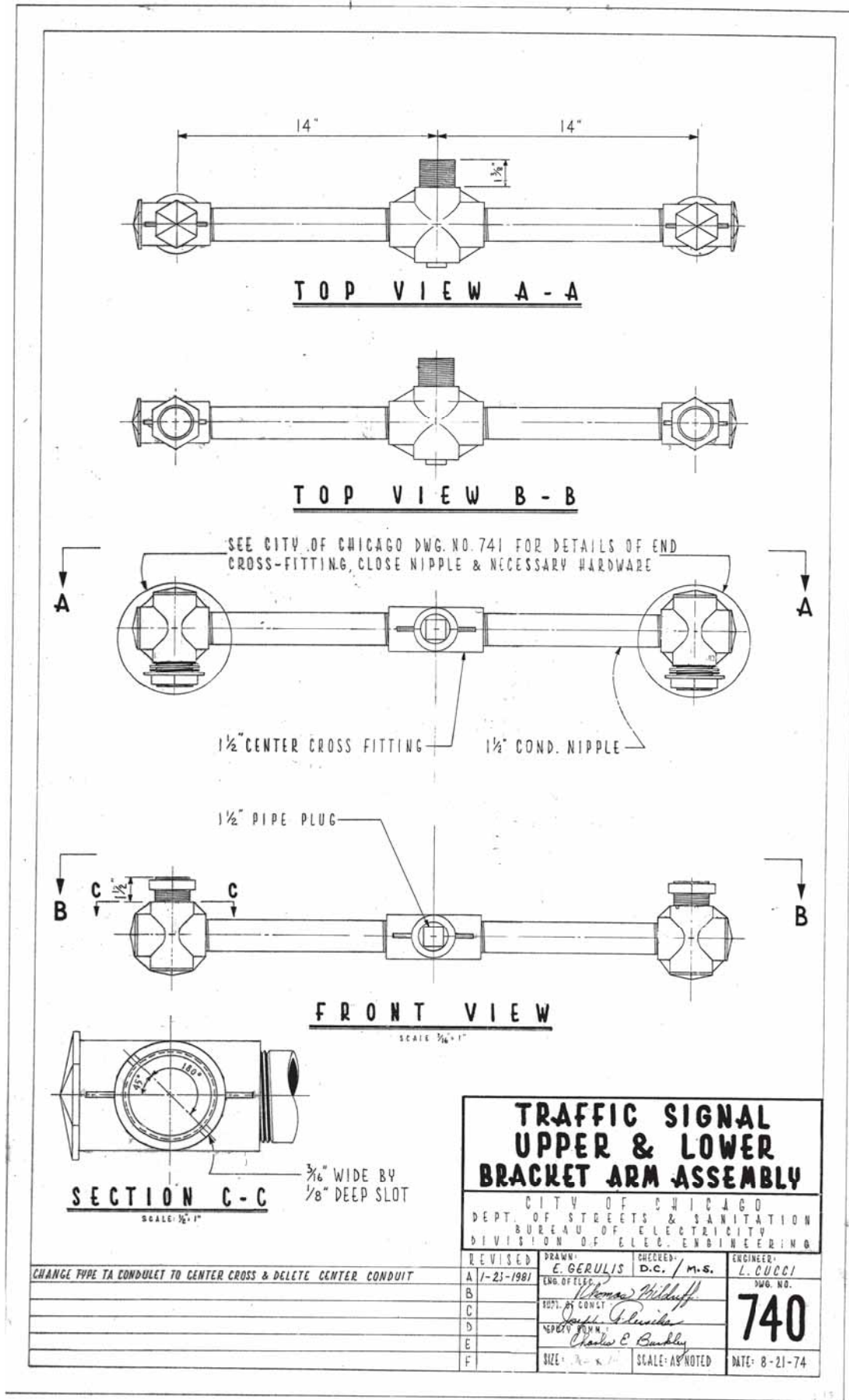
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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	65
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



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NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL			
SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE:		TS16	
#SUB. DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 66 OF 137

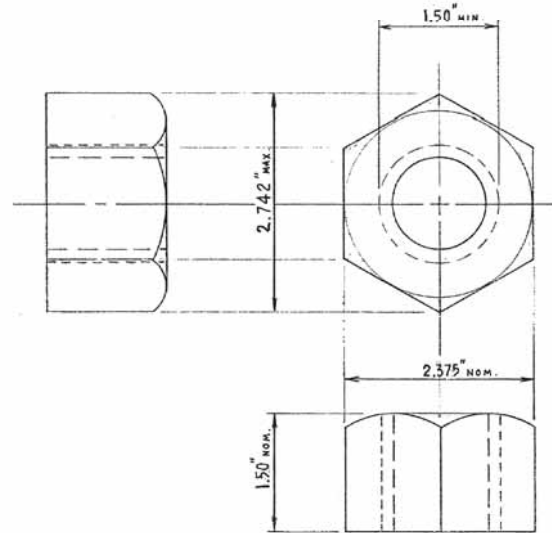
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

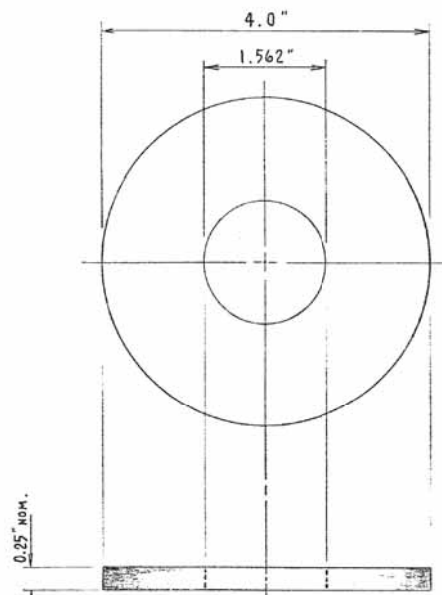
CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

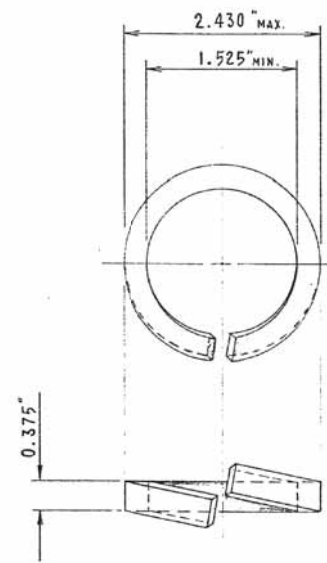
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	66
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



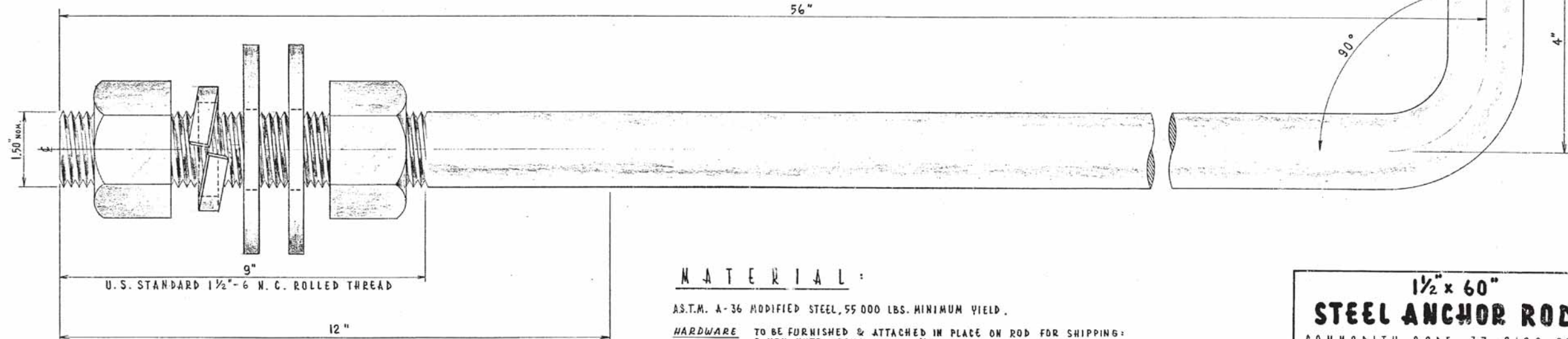
HEXAGON NUT
 AMER. NAT'L. STD. HEAVY HEX. FLAT NUT
 (ANSI B 18.2.2 - 1972)



FLAT WASHER
 AMER. NAT'L. STD. TYPE "B"
 SERIES "W"
 (ANSI B 18.22.1-1965, R1975)



LOCK WASHER
 AMER. NAT'L. STD. HELICAL SPRING LOCK WASHER
 (ANSI B 18.21.1 - 1972)



U.S. STANDARD 1 1/2" - 6 N.C. ROLLED THREAD

A ZINC COATING, 0.0021 INCH IN THICKNESS SHALL BE APPLIED OVER THIS LENGTH AND COVERED WITH HEAVY NO-OX-ID, OR EQUAL, RUST INHIBITING COMPOUND

MATERIAL:

A.S.T.M. A-36 MODIFIED STEEL, 55 000 LBS. MINIMUM YIELD.

HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
 2 HEX. NUTS, HEAVY, GALV., 1 1/2"
 2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1 1/2"
 1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1 1/2"

BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT.
 (NUT IS TAPPED OVERSIZE BY 1/32")

1 1/2" x 60"
STEEL ANCHOR ROD
 COMMODITY CODE 37-8180-0240

REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
A	JULY 29, 1982	DRAWN: EUGENE GERULIS	CHECKED: A. BUCKLEY
B		ENGINEER: M. SPINE	DRG. NO.
C		ENGINEER: M. SPINE	806
D		DEPUTY COMMISSIONER: CHARLES E. BUCKLEY	
E			
F			
G		SIZE 17" x 28"	SCALE DATE AUG. 3, 1982

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 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DESIGN SHEET NO.	SHEET NUMBER	
DATE:		TS17	
#SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 67 OF 137

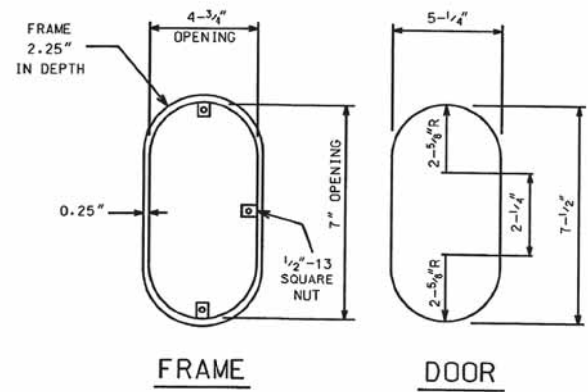
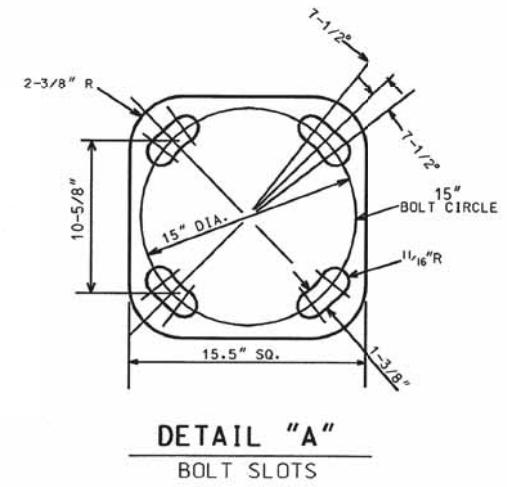
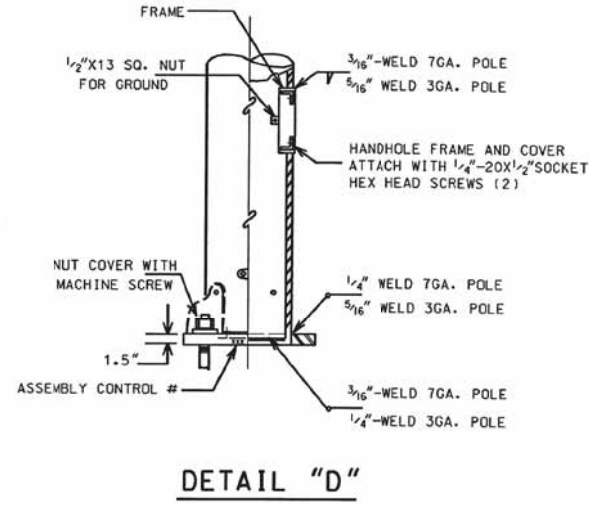
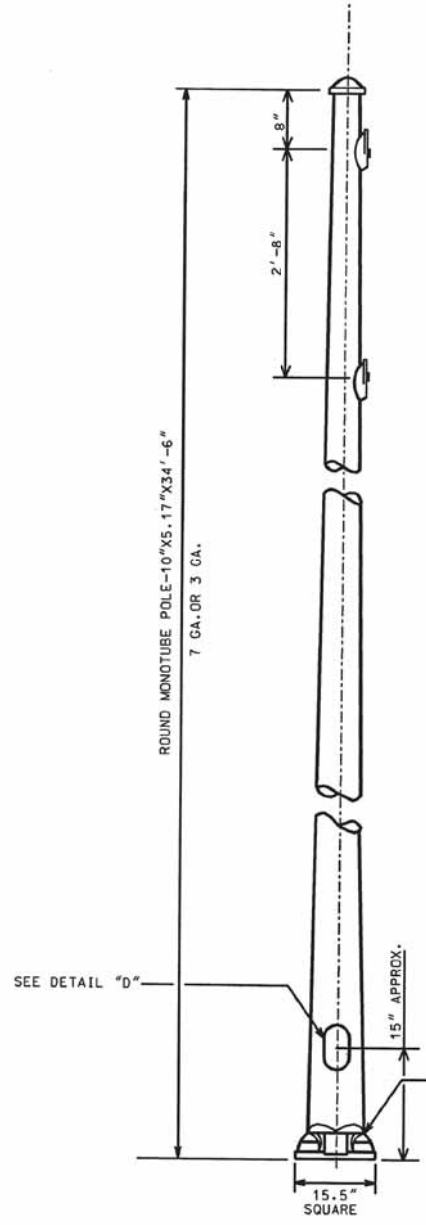
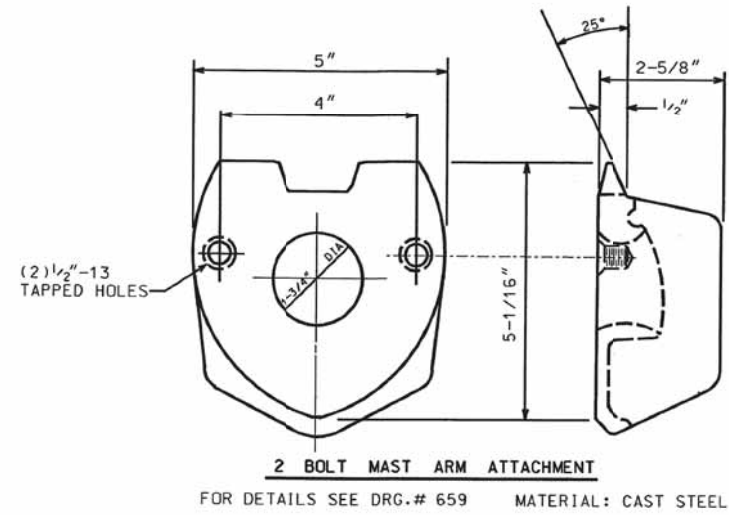
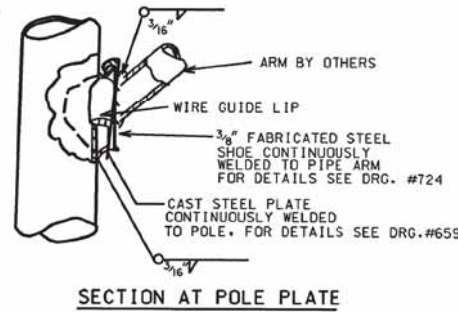
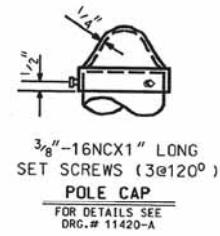
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	67
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



5.17"x10.0" STEEL/34'-6" POLE
7 OR 3 GAUGE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: **ROBERT IVY** CHIEF DRAFTSMAN: **ROBERT CARTER** ENGINEER: **RON POOL**
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.

ENGINEER OF ELECTRICITY: _____ DWG. NO. **808**
GEN'L SUPT. OF ELECTRICITY: _____
DEPUTY COMMISSIONER: _____

10-03-01

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE:		TS18	
#SUB. DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 68 OF 137

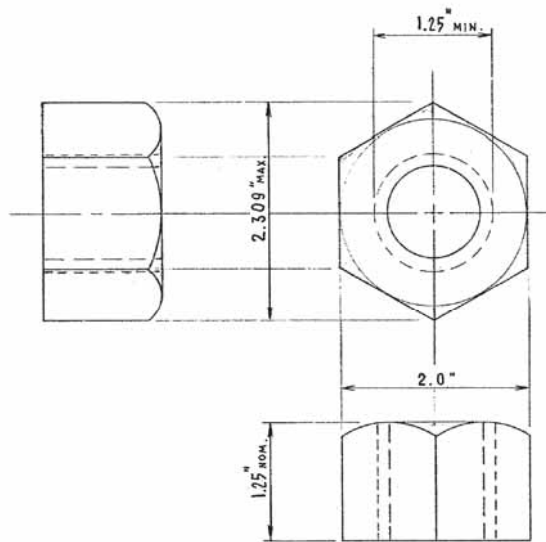
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Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

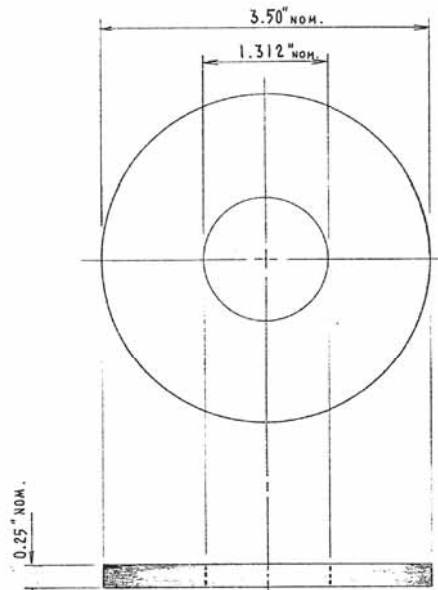
CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

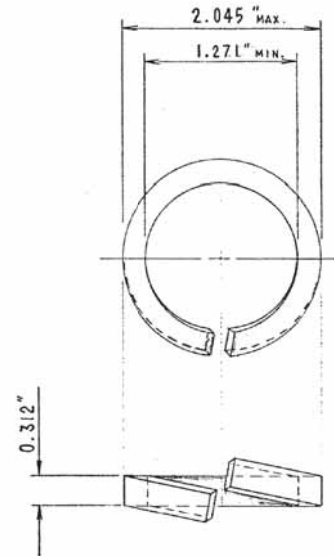
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	68
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



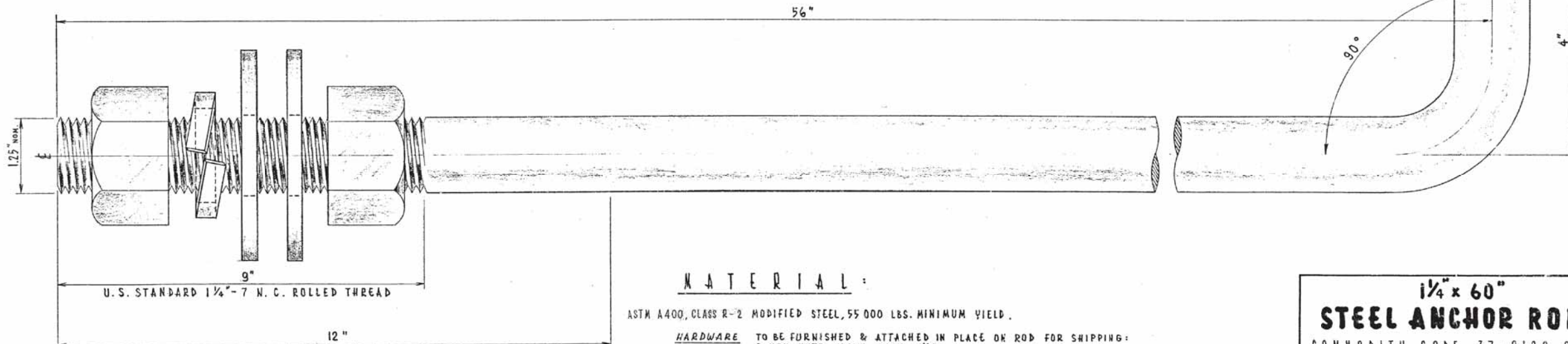
HEXAGON NUT
 AMER. NAT'L. STD. HEAVY HEX. FLAT NUT
 (ANSI B 18.2.2 - 1972)



FLAT WASHER
 AMER. NAT'L. STD. TYPE "B"
 SERIES "W"
 (ANSI B 18.22.1-1965, R1975)



LOCK WASHER
 AMER. NAT'L. STD. HELICAL SPRING LOCK WASHER
 (ANSI B 18.21.1 - 1972)



A ZINC COATING, 0.0021 INCH IN THICKNESS SHALL BE APPLIED OVER THIS LENGTH AND COVERED WITH HEAVY NO-OX-ID, OR EQUAL, RUST INHIBITING COMPOUND

MATERIAL:

ASTM A400, CLASS R-2 MODIFIED STEEL, 55 000 LBS. MINIMUM YIELD.

HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
 2 HEX. NUTS, HEAVY, GALV., 1/4"
 2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1/4"
 1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1/4"
 BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT.
 (NUT IS TAPPED OVERSIZE BY 1/32")

1/4" x 60"
STEEL ANCHOR ROD
 COMMODITY CODE 37-8180-0236

REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
A JULY 29, 1982	DRAWN EUGENE GERULIS	CHECKED A. DUKLESKY	ENGINEER M. SHINE
B	ELEC. DESIGN ENGINEER		
C	DRG. NO.		
D	ENGINEER OF ELECTRICAL		
E	DEPT. TRANSMISSION		
F	DATE		
G	SIZE 17" x 28"	SCALE	DATE AUG. 3, 1982

811

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS19	
DATE: #SUB. DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
			SHEET 69 OF 137

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

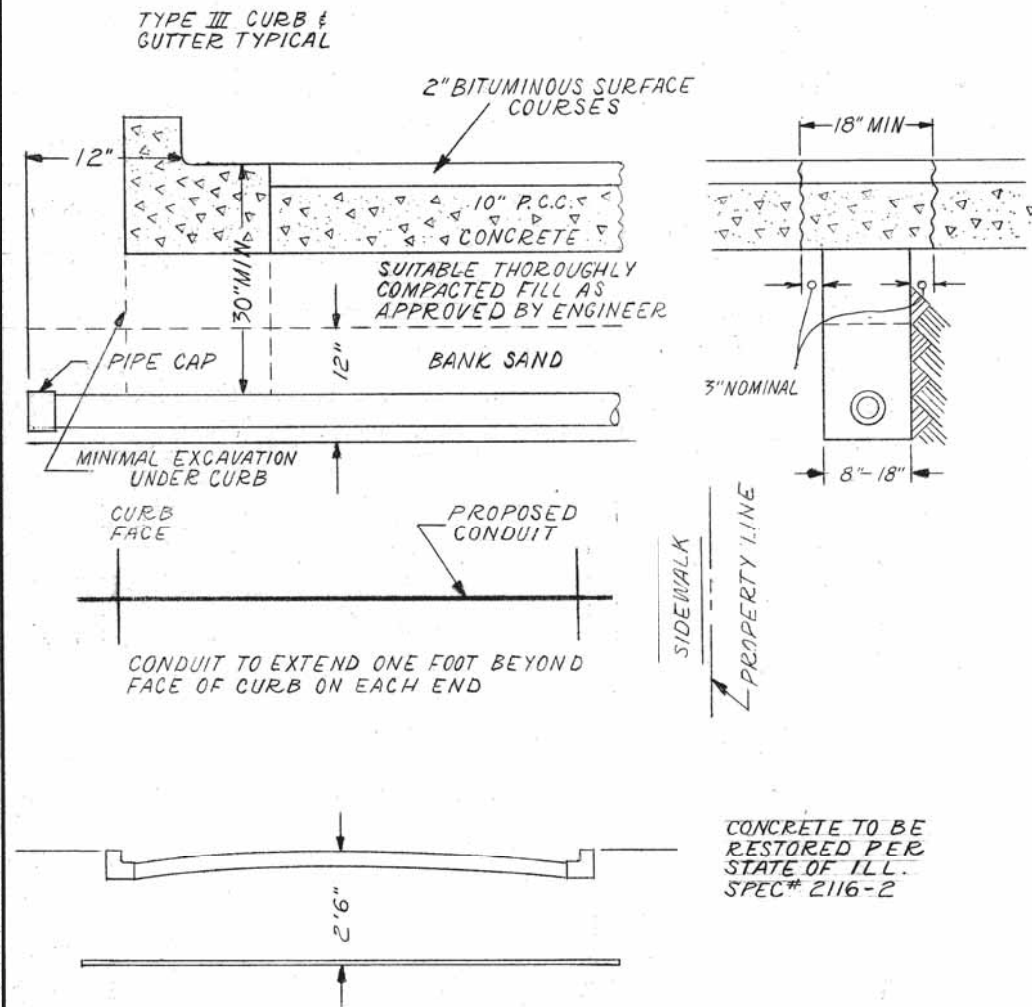
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	69
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

CONDUIT INSTALLATION UNDER PAVED STREET

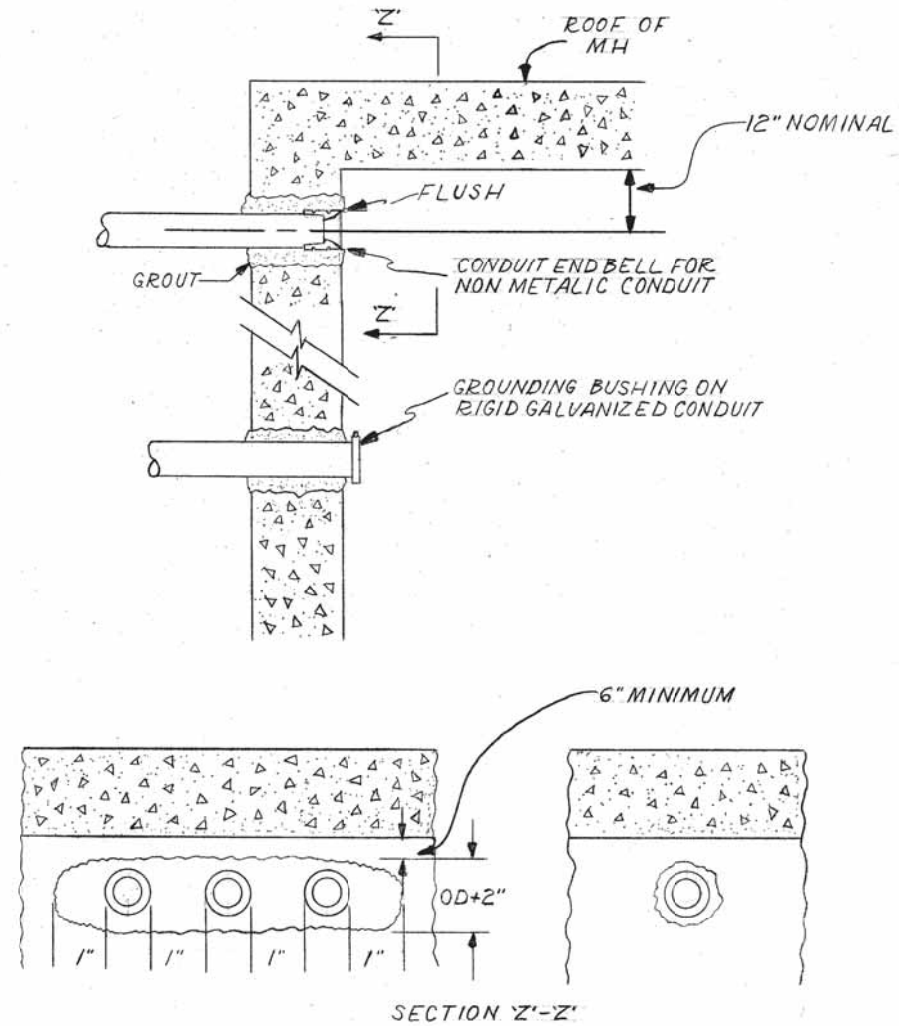


INSTALLATION METHOD OF
INSTALLING CONDUIT UNDER
PAVED ROADWAY

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

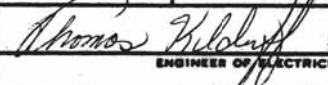
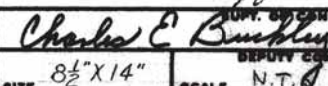
DRAWN A.M. JOHNSON	CHECKED R. SYCKOWSKI	ENGINEER R.L. MARTIN
 ENGINEER OF ELECTRICITY		DRG. NO. 813
 DEPUTY COMM.		DATE 3-13-81
SIZE 8 1/2" X 14"	SCALE N.T.S.	

CONDUIT INSTALLATION THROUGH EXISTING
MANHOLE OR HANDHOLE WALL



INSTALLATION METHOD OF
INSTALLING CONDUIT THRU
MANHOLE WALL

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN A.M. JOHNSON	CHECKED R. SYCKOWSKI	ENGINEER R.L. MARTIN
 ENGINEER OF ELECTRICITY		DRG. NO. 814
 DEPUTY COMM.		DATE 3-13-81
SIZE 8 1/2" X 14"	SCALE N.T.S.	

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL			
SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION			
DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS20	
DATE: #SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 70 OF 137

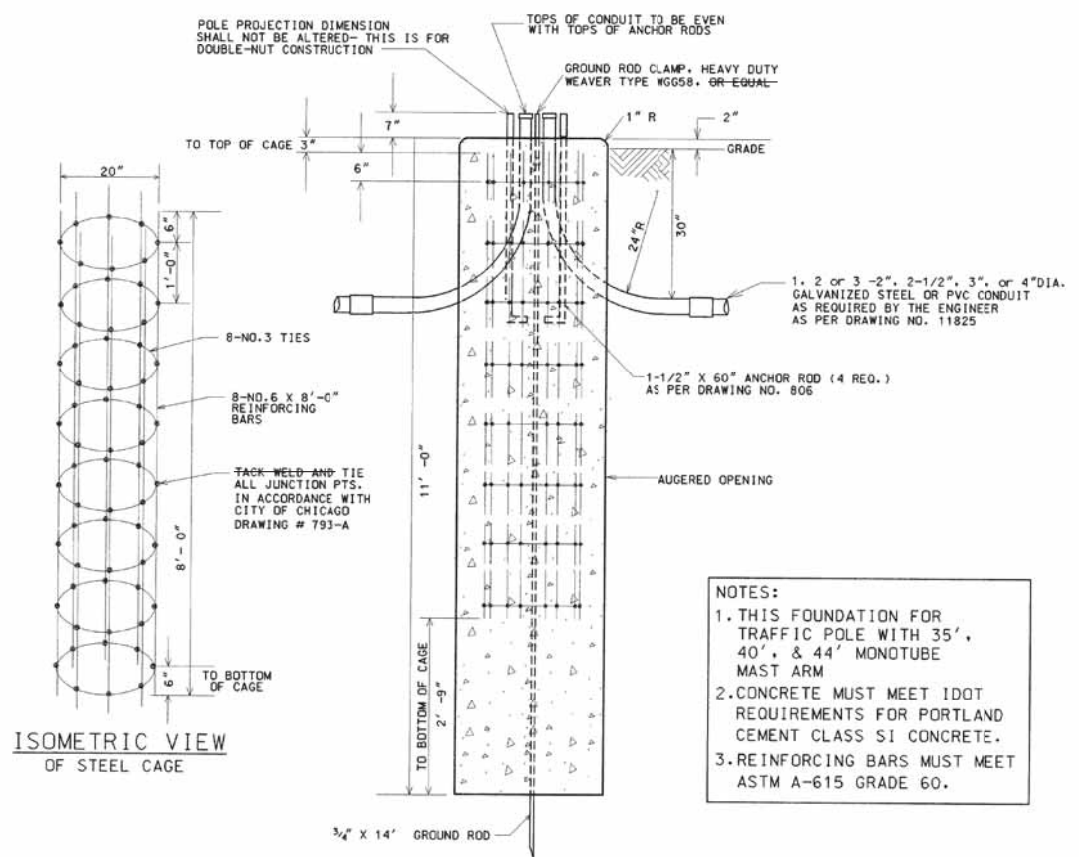
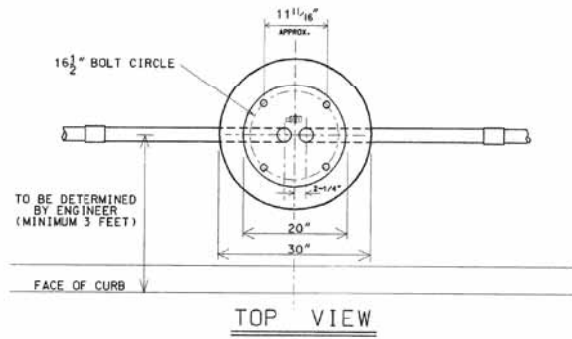
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

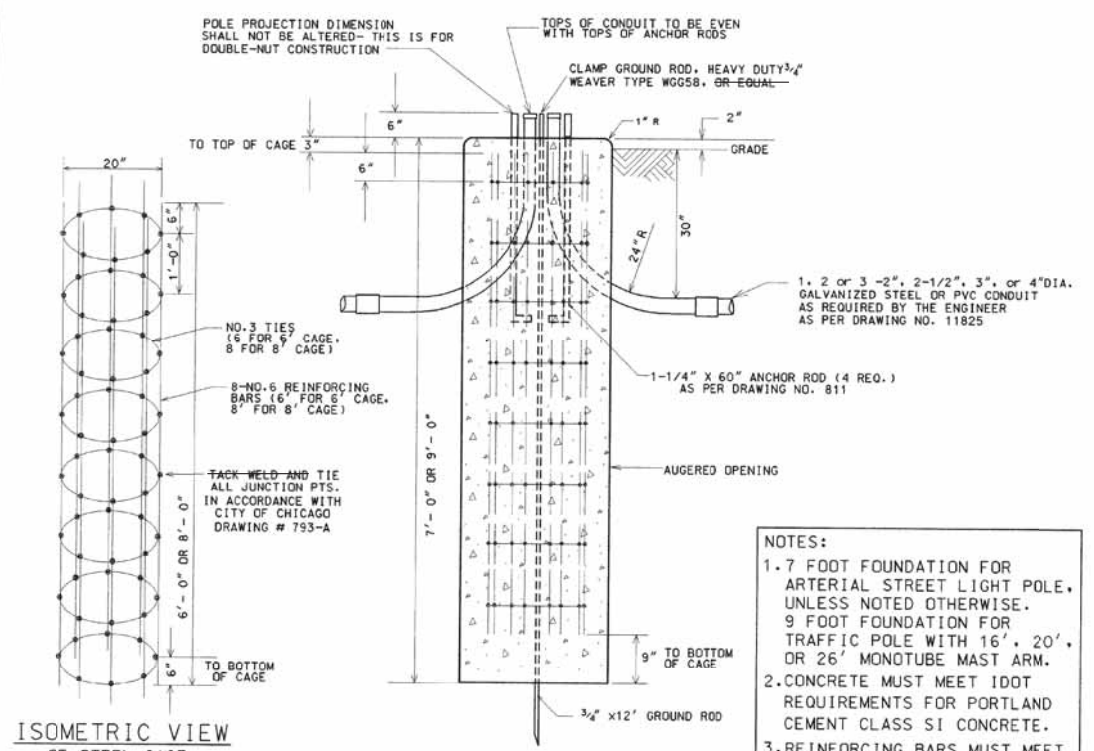
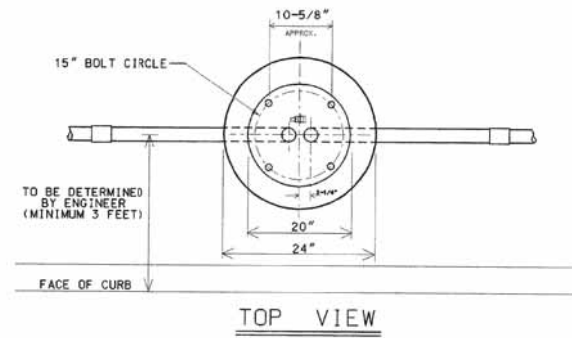
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	70
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. THIS FOUNDATION FOR TRAFFIC POLE WITH 35', 40', & 44' MONOTUBE MAST ARM
 2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS S1 CONCRETE.
 3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	2.20
09-4001-	ELBOW, LARGE RADIUS	2", 2-1/2", 3", 4"	AS REQUIRED
37-8180-0200	ANCHOR ROD	1-1/2" X 60"	4
05-5054-6910	RE-BAR CAGE	20" X 8' X 8'-0"	1
09-7796	GROUND ROD	3/4" X 14'-0"	1
09-2636-	GROUND ROD CLAMP	3/4"	1
09-2092-	GROUND BUSHING	2", 2-1/2", 3", 4"	AS REQUIRED

8/21/02 SUPERCEDES DWG #817 DRAWN 4/20/81
 DATE REVISION
FOUNDATION FOR 34-6' TRAFFIC SIGNAL POLE WITH 16 1/2" BOLT CIRCLE
 CITY OF CHICAGO
 DEPT. OF STREETS AND SANITATION
 BUREAU OF ELECTRICITY
 DIVISION OF ELECTRICAL ENGINEERING
 DRAFTSMAN: B. GARNSEY R. CARTER
 ELECTRICAL REGION ENGINEER: B. GARNSEY
 GENERAL SUPERINTENDENT: [Signature]
 DEPUTY COMMISSIONER: [Signature]
 SIZE: 11" x 17" SCALE: NONE DATE: 8/21/02
817



- NOTES:**
1. 7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE, UNLESS NOTED OTHERWISE.
 - 9 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16', 20', OR 26' MONOTUBE MAST ARM.
 2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS S1 CONCRETE.
 3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	0.82 OR 1.05
09-4001-	ELBOW, LARGE RADIUS	2", 2-1/2", 3", 4"	VARIES
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5054-6910	RE-BAR CAGE	20" X 6' (OR 8')	1
09-7796-9200	GROUND ROD	3/4" X 12'-0"	1
09-2636-3240	GROUND ROD CLAMP	3/4"	1
09-2092-	GROUND BUSHING	2", 2-1/2", 3" OR 4"	VARIES

8/21/02 SUPERCEDES DWG #818 DRAWN 4/21/81
 DATE REVISION
FOUNDATION FOR 34-6' ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE - 3 OR 7 GAUGE WITH 15" BOLT CIRCLE
 CITY OF CHICAGO
 DEPT. OF STREETS AND SANITATION
 BUREAU OF ELECTRICITY
 DIVISION OF ELECTRICAL ENGINEERING
 DRAFTSMAN: B. GARNSEY R. CARTER
 ELECTRICAL REGION ENGINEER: B. GARNSEY
 GENERAL SUPERINTENDENT: [Signature]
 DEPUTY COMMISSIONER: [Signature]
 SIZE: 11" x 17" SCALE: NONE DATE: 8/21/02
818

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS
**DES PLAINES RIVER TRAIL
 SEGMENT 2**

CDOT STANDARDS
CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
 DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER
DATE: #SUB_DATE		TS21
DSGN DRAWN CHECK		
EAJ FPB GMZ		
SHEET 71 OF 137		

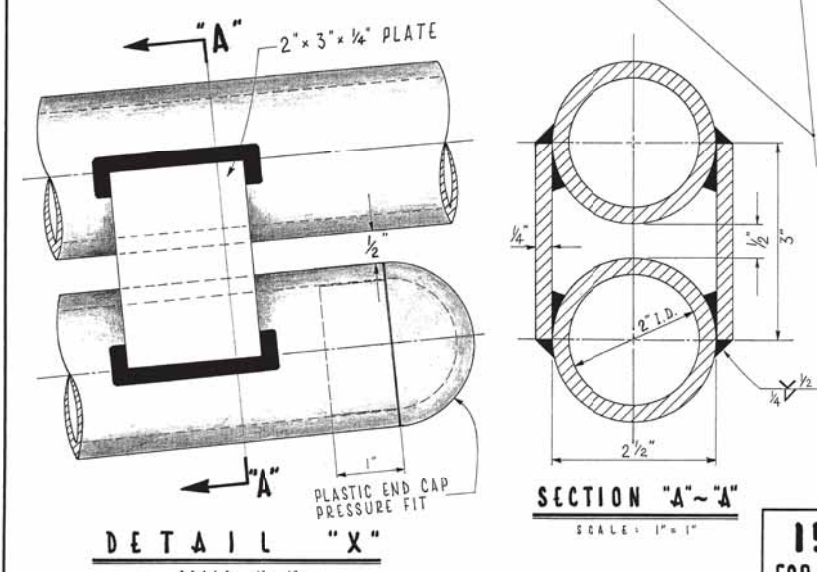
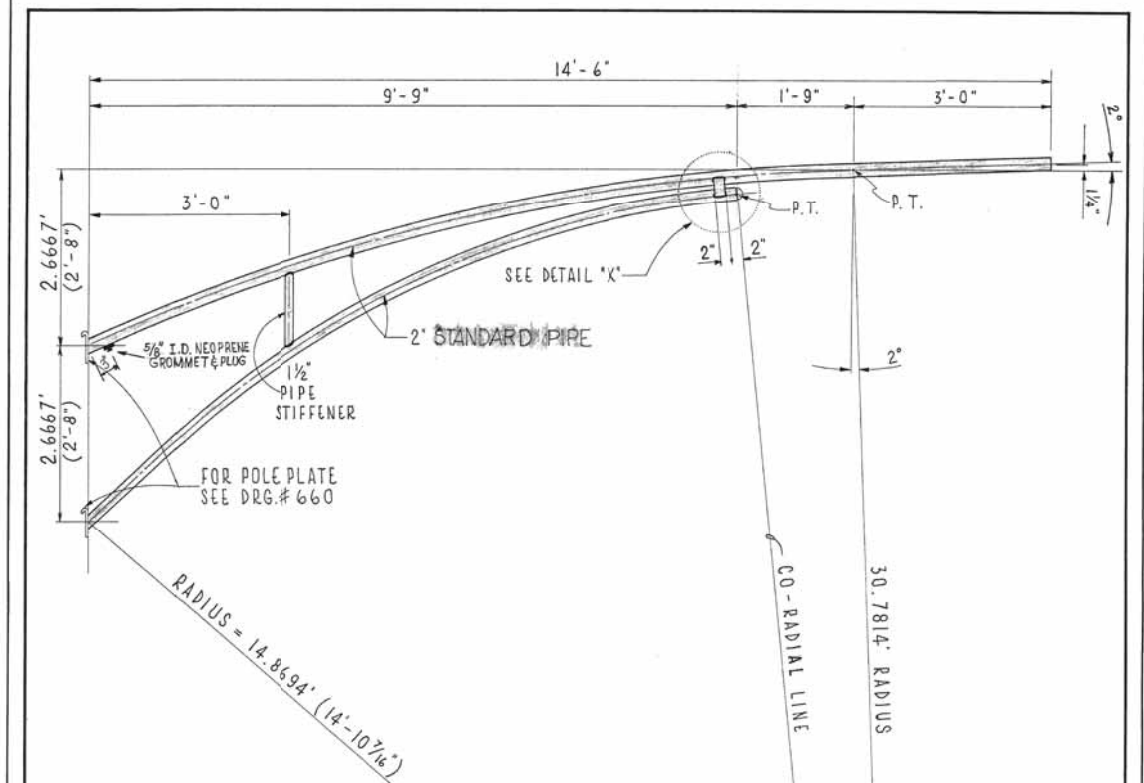
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PLOT SCALE = 1'	PLOT DATE = 4/26/2022	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	71
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



15' MAST ARM FOR 2-BOLT ATTACHMENT

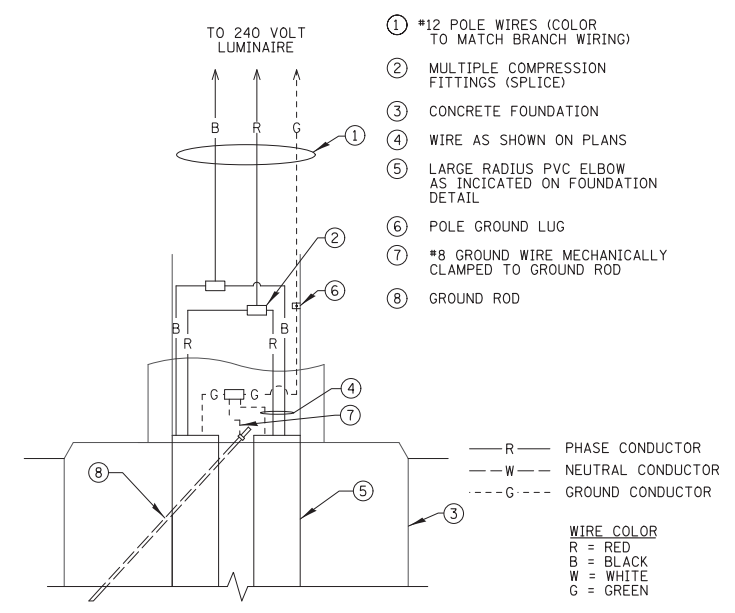
REVISION	DATE	BY	DESCRIPTION
A			
B			
C			
D			
E			
F			
G			

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN: EDGINK GEROLIS
CHECKED: M.T.S.
SUPERVISING ENGINEER: Robert L. Manley
PROJECT NO. 860001-2127A
DATE: JULY 8, 1985

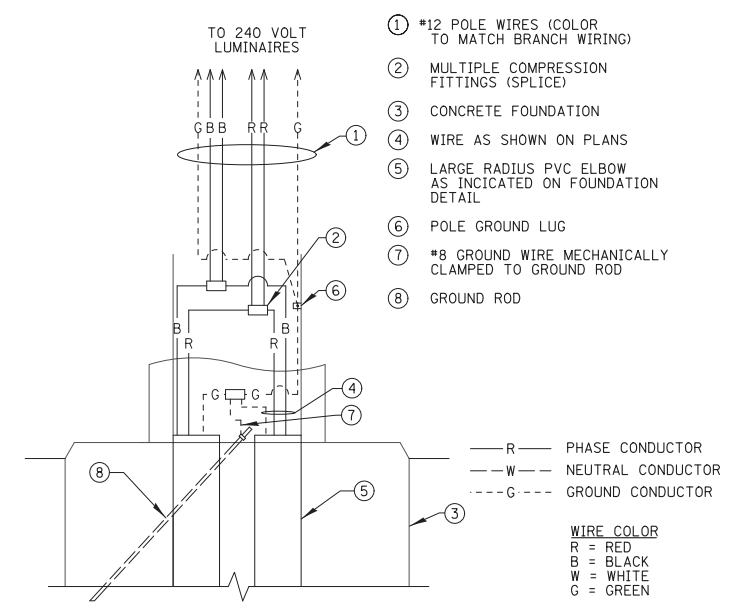
840

SCALE: 1" = 1"



NOTES:
1. LIGHTING CIRCUITS ARE ONLY SHOWN FOR CLARITY. CONTRACTOR SHALL CONNECT TRAFFIC SIGNAL CABLES AS SHOWN ON SEPARATE DETAIL SHEETS.

SINGLE ARM LIGHT POLE HANDHOLE WIRING DIAGRAM
N.T.S.



NOTES:
1. LIGHTING CIRCUITS ARE ONLY SHOWN FOR CLARITY. CONTRACTOR SHALL CONNECT TRAFFIC SIGNAL CABLES AS SHOWN ON SEPARATE DETAIL SHEETS.

TWIN ARM LIGHT POLE HANDHOLE WIRING DIAGRAM
N.T.S.

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Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DESIGN SHEET NO.	SHEET NUMBER	
DATE: #SUB_DATE		TS22	
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 72 OF 137

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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

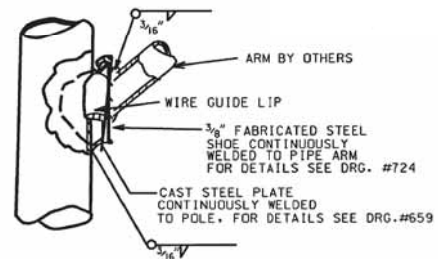
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS	
SCALE:	SHEET OF SHEETS STA. TO STA.

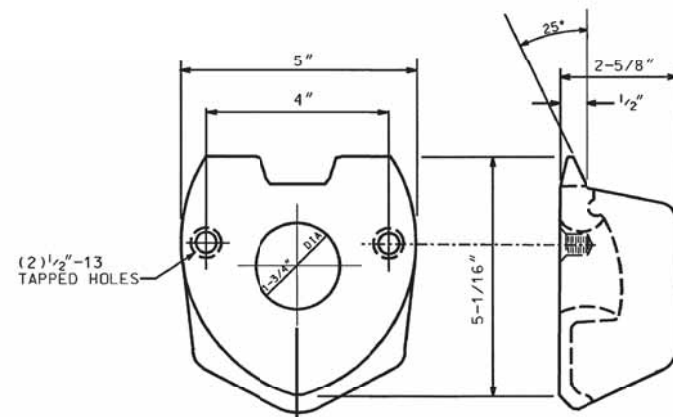
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	72
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



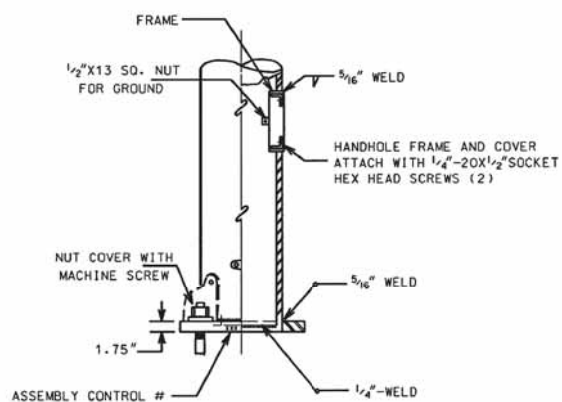
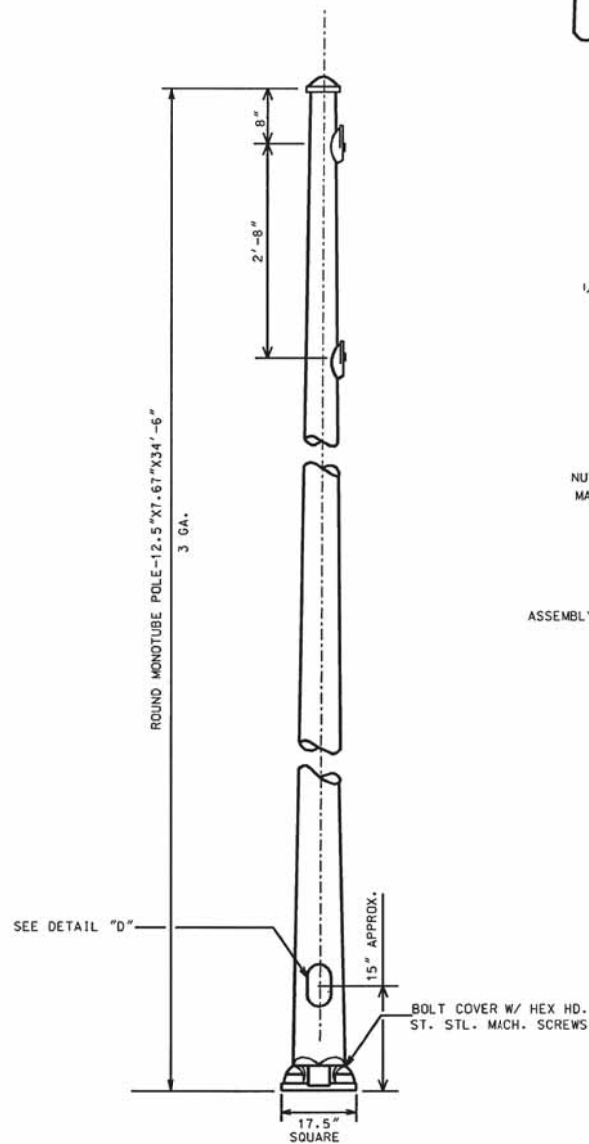
3/8"-16NCX3/4" LONG
SET SCREWS (3@120°)
POLE CAP
FOR DETAILS SEE
DRG.# 11420-A



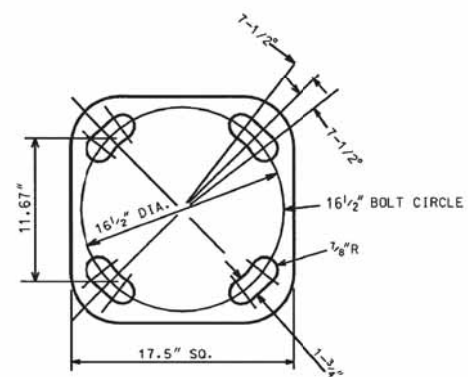
SECTION AT POLE PLATE



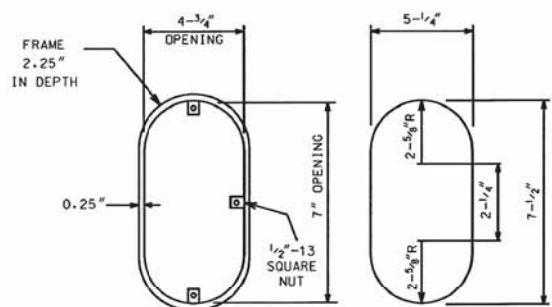
2 BOLT MAST ARM ATTACHMENT
FOR DETAILS SEE DRG.# 659 MATERIAL: CAST STEEL



DETAIL "D"



DETAIL "A"
BOLT SLOTS



FRAME DOOR
HANDHOLE DETAIL

7.67"x12.5" STEEL/34'-6" POLE 3 GAUGE		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN: ROBERT IVY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: RON POOL
SUPERVISING ENGINEER:	ELEC. DESIGN-ENGR.	DWG. NO.
ENGINEER-OF-ELECTRICITY:		827
GEN'L SUPT. OF ELECTRICITY:		10-03-01
DEPUTY COMMISSIONER:		

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS23	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
SHEET 73 OF 137			

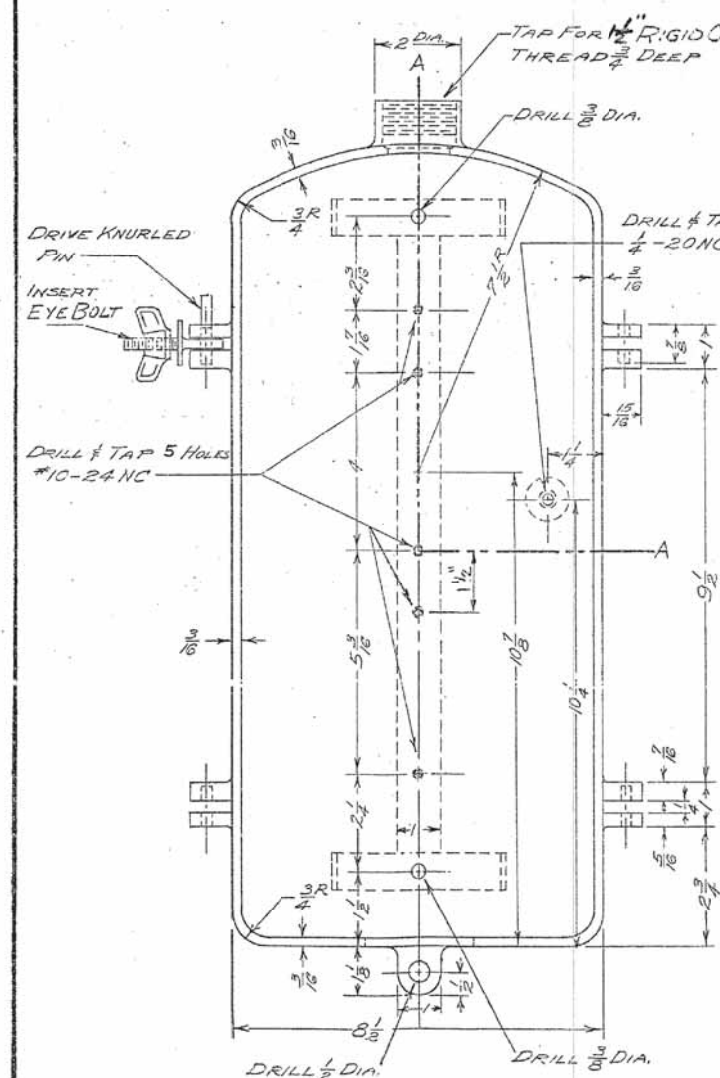
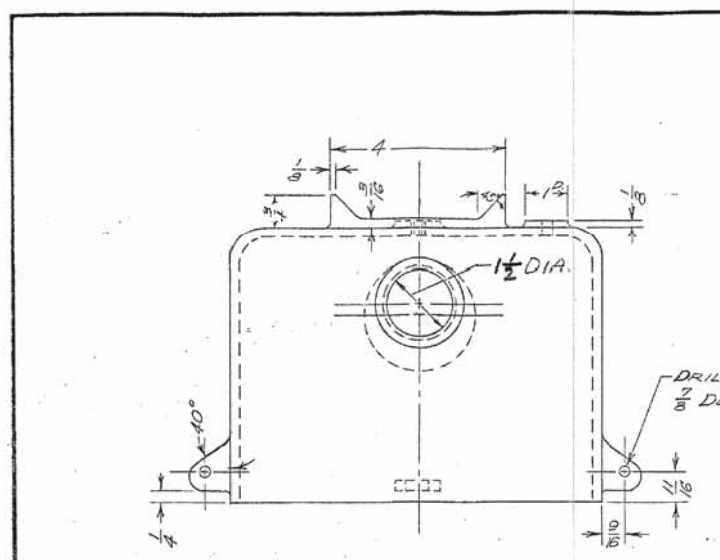
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Default	PLOT SCALE = 1'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

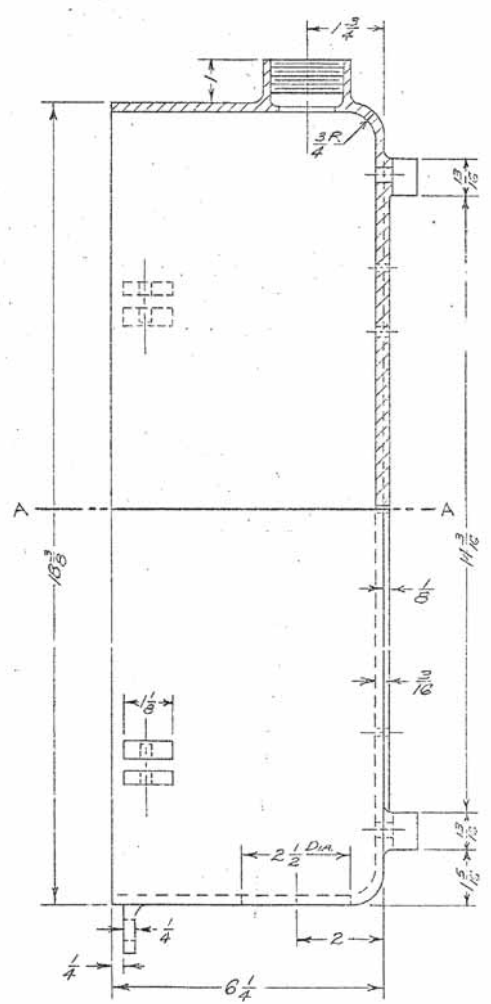
CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

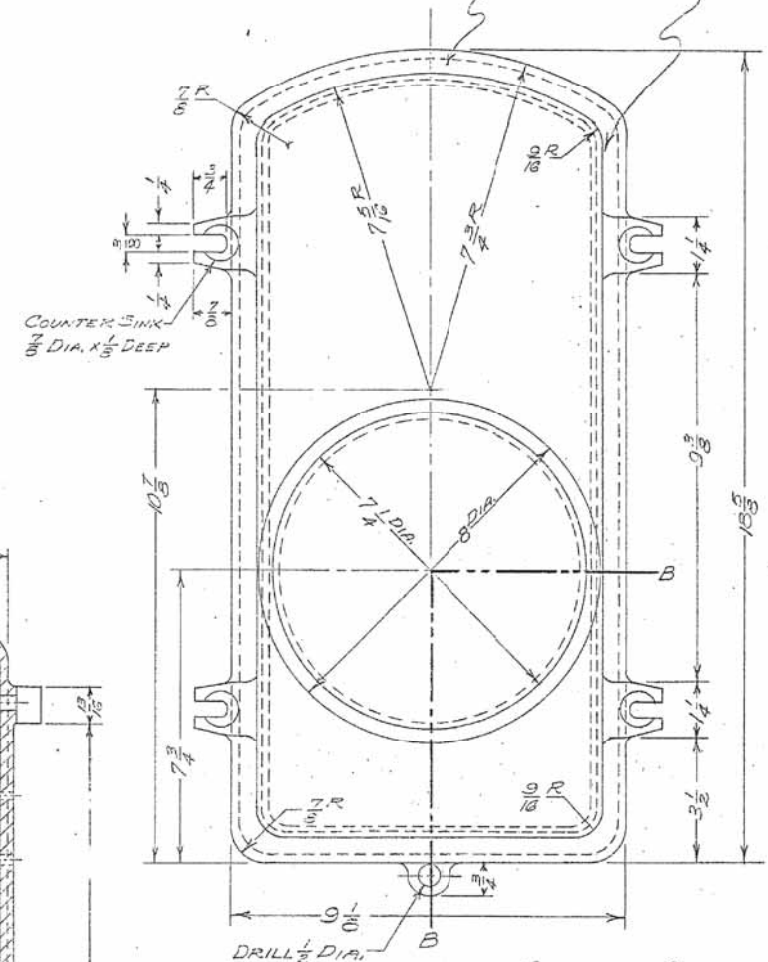
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	73
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



CONTROL CABINET
MATERIAL: CAST ALUMINUM



NOTE:
DOOR TO BE GASKETED WITH
1/2 x 3/8 SPONGE NEOPRENE
GASKET MATERIAL



CONTROL CABINET DOOR
MATERIAL: CAST ALUMINUM

CLAMPING AND HINGING PARTS REQUIRED

- 4 - EYE HEAD BRONZE BOLTS WITH 1/4"-20NC THREAD - 1" LONG
- 4 - 1/4"-20NC BRONZE WING NUTS
- 4 - 1/2" DIA. x 3/8" LG. STAINLESS STEEL KNURLED PINS
- 2 - 1/4" - 20 NC PLATED BRASS CAP NUTS (HINGE SIDE)

INSTRUCTIONS

INSERT EYE-BOLT HEAD BETWEEN SIDES OF HINGE PIVOT POINTS AND DRIVE PIN HOME THRU OPEN END AS SHOWN IN FRONT VIEW OF CABINET.

RESIDENTIAL TYPE STREET LIGHT
CONTROL CABINET / SERVICE DISCONNECT CABINET

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

REVISED	DATE	BY	CHECKED	BY	ENGINEER
A	2-22-95	J. MANFELDT	J. BORE	J. MANFELDT	
B					
C					
D					
E					
F					
G					

SIZE 16" x 21" SCALE 3/8" = 1" DATE

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Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL			
SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION			
DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DESIGN SHEET NO.	SHEET NUMBER	
DATE:		TS24	
#SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 74 OF 137

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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

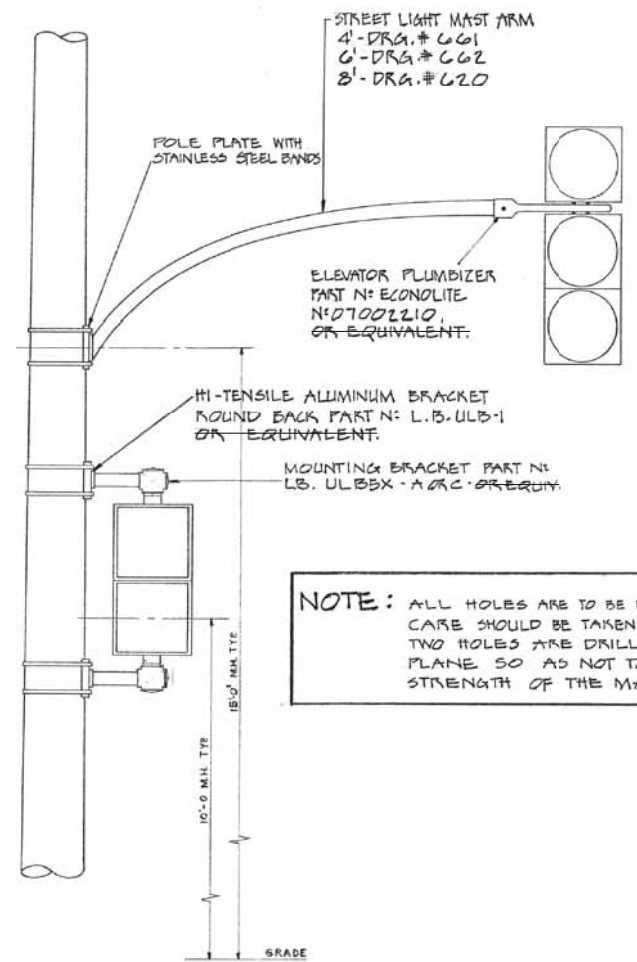
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

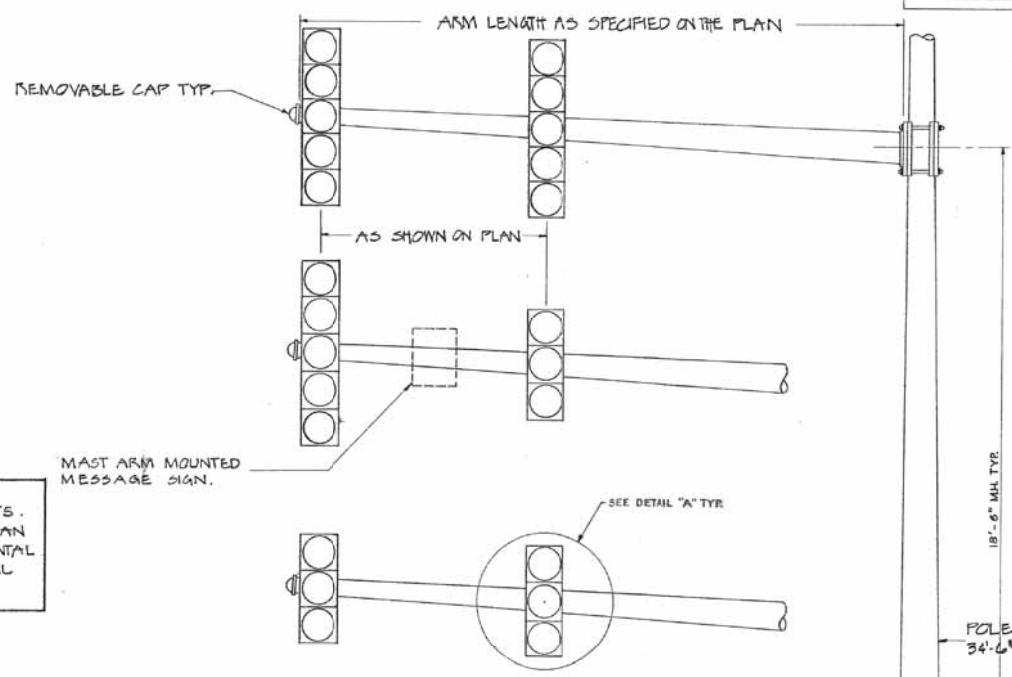
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	74
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

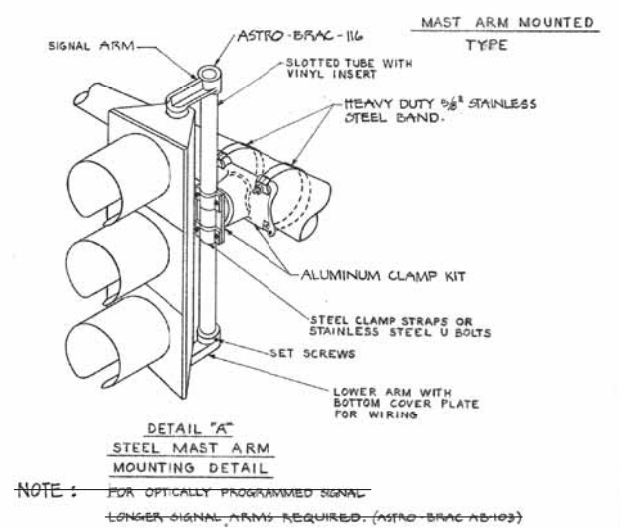
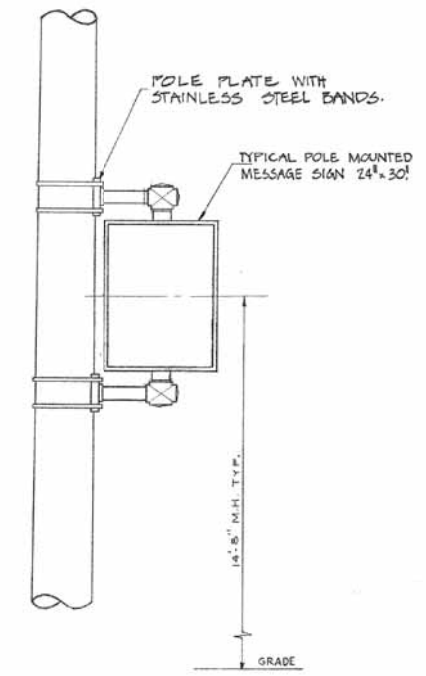
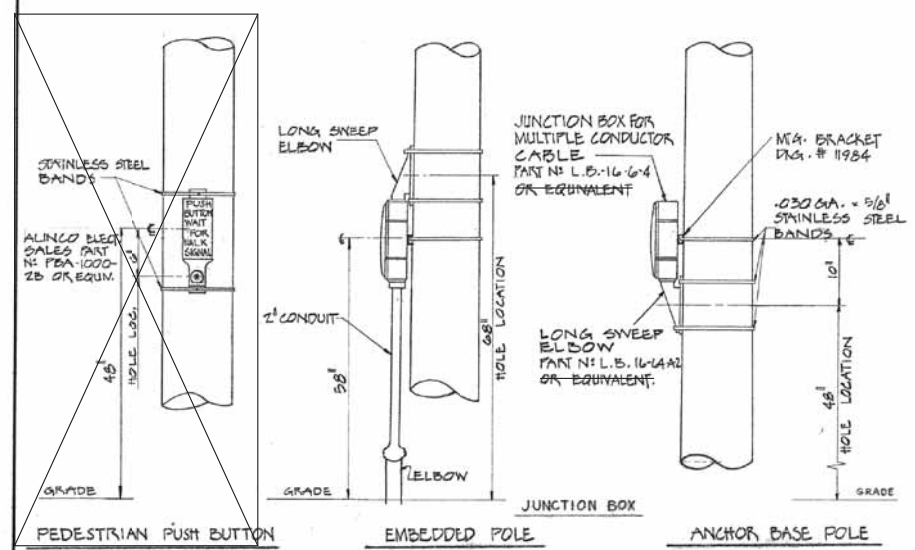
APPROVED AS WORKING PLAN BY	FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISIONS OF WORKING PLAN	ILLINOIS PROJECT				



NOTE: ALL HOLES ARE TO BE DRILLED IN POLES OR POSTS. CARE SHOULD BE TAKEN TO SEE THAT NO MORE THAN TWO HOLES ARE DRILLED IN THE SAME HORIZONTAL PLANE SO AS NOT TO WEAKEN THE OVERALL STRENGTH OF THE MATERIAL.



NOTE: OVERHEAD SIGNALS SHALL HAVE A MINIMUM CLEARANCE OF 15'-0\"/>



DATE		REVISION	
WORK ORDER NO.	DATE		
COST ALLOCATION ACCOUNT			
APPROPRIATION ACCOUNT		MATERIAL	
		LABOR	
TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN: <i>K. F. Figo/aj</i>	CHIEF DRAFTSMAN: <i>RJS</i>	ENGINEER: <i>M. DEBARIANO</i>	DWG. NO.
SUPERVISING ENGINEER: <i>Michael J. Shew</i>	ELECT. DESIGN ENGR: <i>R. J. M...</i>		834
ENGINEER OF ELECTRICITY: <i>Michael J. Shew</i>	DATE: <i>12-10-04</i>		
DEPT. COMMISSIONER: <i>Kenel...</i>			
SCALE: N.T.S.	DATE: 12-10-04		

NOTE: FOR OPTICALLY PROGRAMMED SIGNAL LONGER SIGNAL ARMS REQUIRED. (ASTRO-BRAC-116)

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE:		TS25	
#SUB DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 75 OF 137

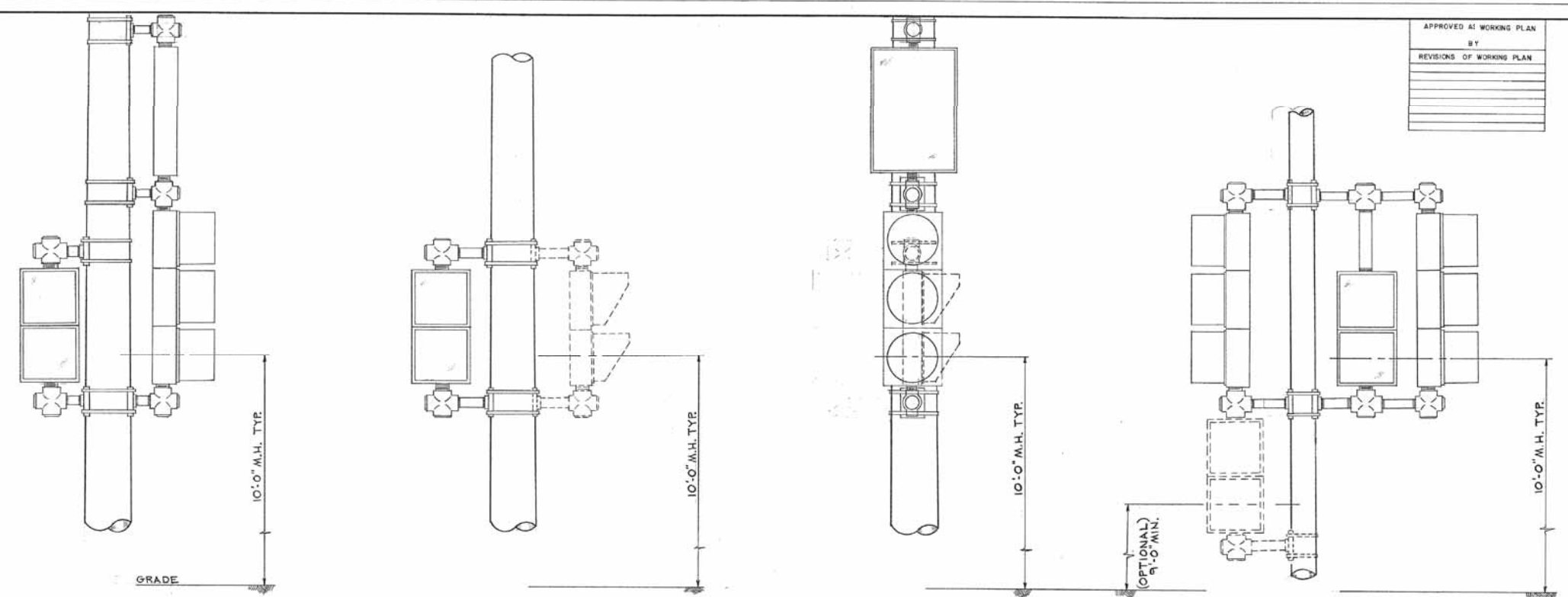
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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

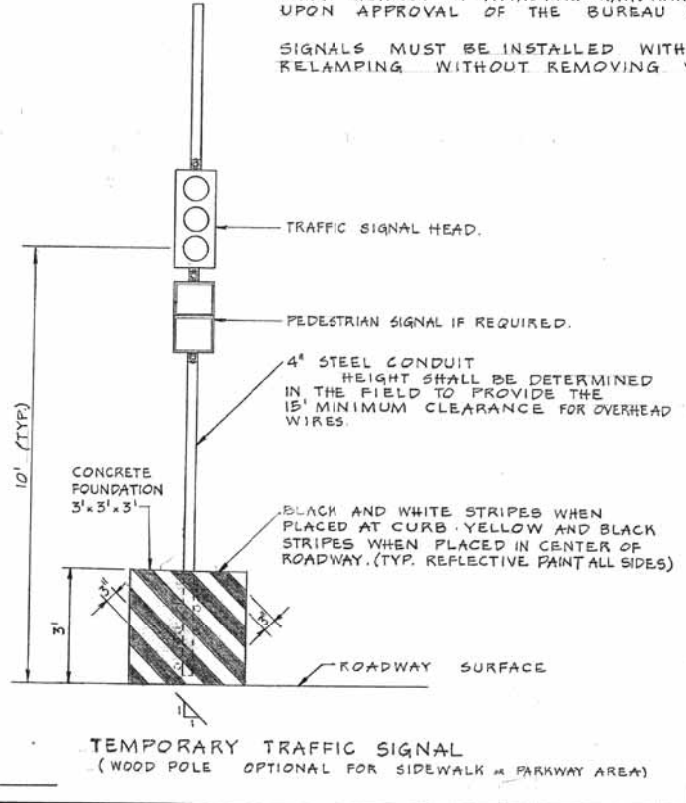
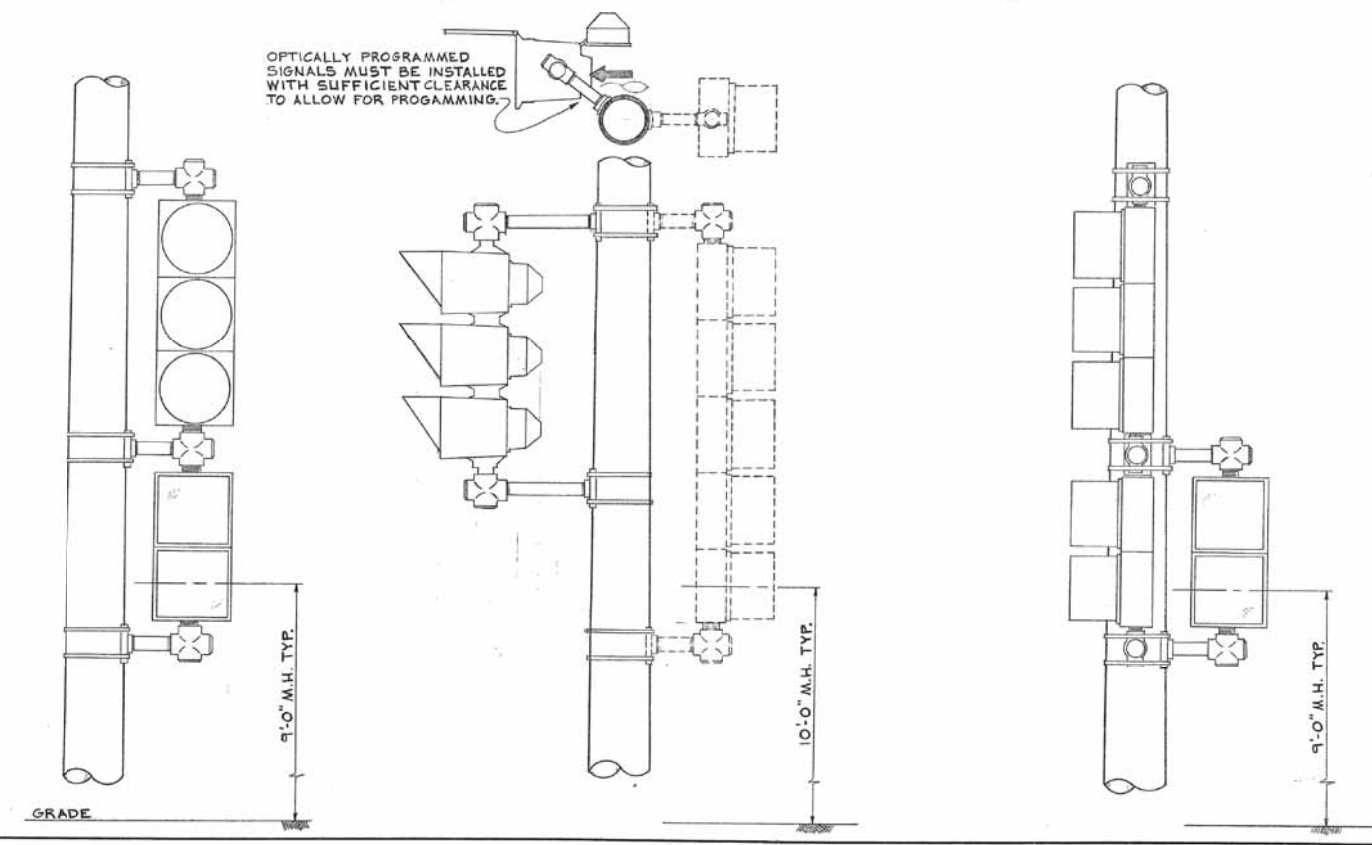
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	75
		CONTRACT NO. 61H78		
ILLINOIS FED. AID PROJECT				

APPROVED AS WORKING PLAN	FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BY					
REVISIONS OF WORKING PLAN					
FHWA REG. NO. ILLINOIS PROJECT					



NOTE:
OTHER METHODS OF ATTACHING HARDWARE FOR SIGNAL HEADS MAY BE USED UPON APPROVAL OF THE BUREAU OF ELECTRICITY.
SIGNALS MUST BE INSTALLED WITH ADEQUATE CLEARANCE FOR RELAMPING WITHOUT REMOVING VISOR OR ROTATING SIGNAL.

OPTICALLY PROGRAMMED SIGNALS MUST BE INSTALLED WITH SUFFICIENT CLEARANCE TO ALLOW FOR PROGRAMMING.



A 3-S-93 ADDED TEMP. SIGNAL DETAIL	
DATE	REVISION
WORK ORDER NO.	DATE
COST ALLOCATION ACCOUNT	
APPROPRIATION ACCOUNT	MATERIAL
	LABOR
TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: W. TROMPKA	CHIEF DRAFTSMAN: R. J. S.
SUPERVISING ENGINEER: [Signature]	ENGINEER: M. De BARTOLO
ENGINEER OF ELECTRICITY: [Signature]	DWG. NO. 835
DEPT. CHIEF OF ELECTRICITY: [Signature]	DATE: 12-10-84
DEPUTY COMMISSIONER: [Signature]	SCALE: NONE
SIZE: 22 36	

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE: #SUB_DATE		TS26	
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 76 OF 137

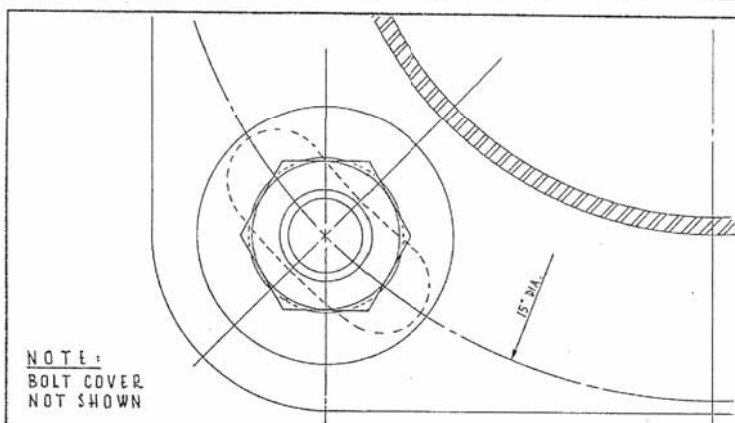
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	76
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



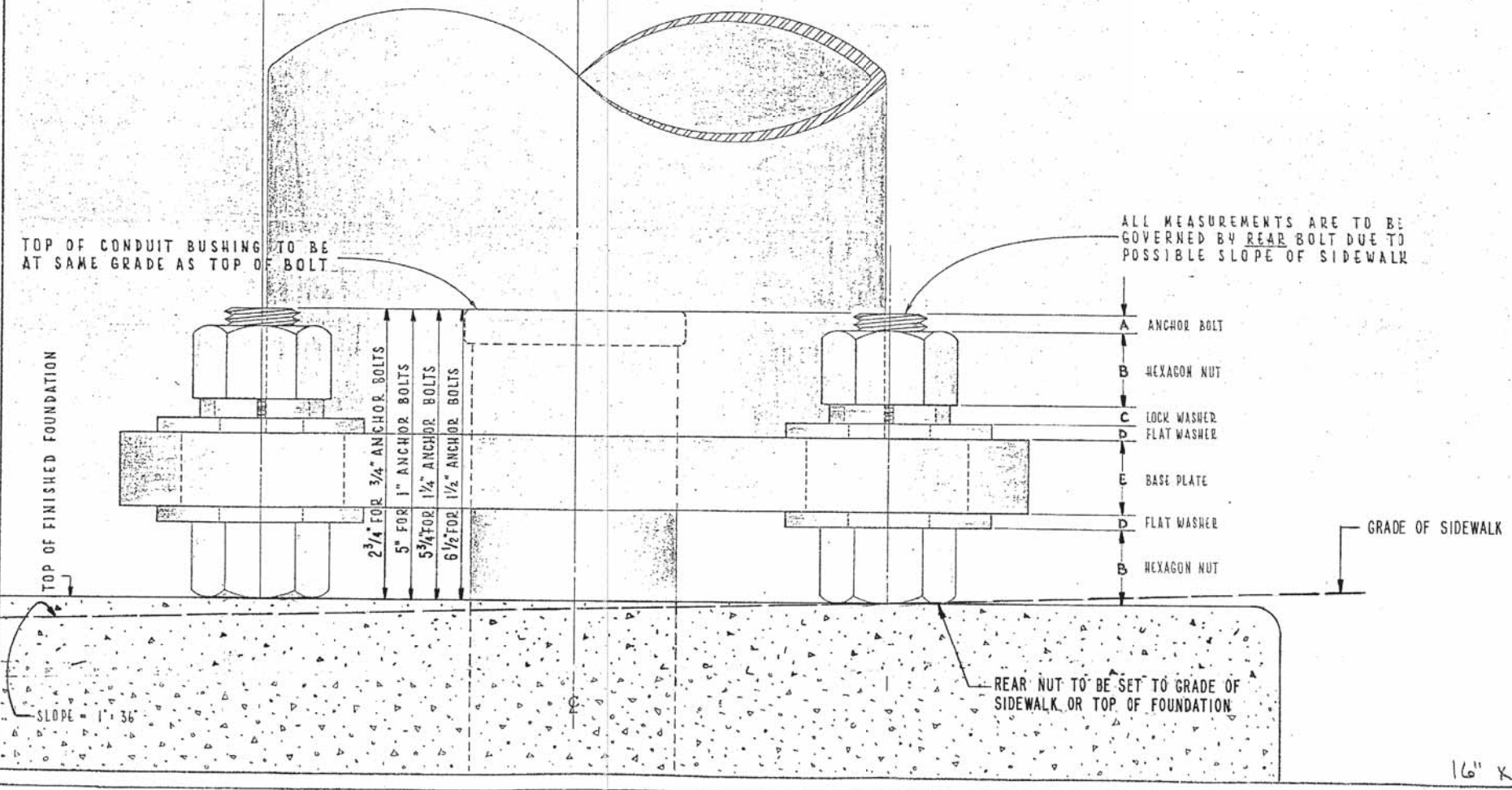
NOTE:
BOLT COVER
NOT SHOWN

INSTALLATION NOTES

- STEP 1 COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI RUSTING GREASE ("NO-DX" OR EQUAL).
- STEP 2 INSTALL LOWER LEVELLING NUTS & WASHERS, SET AT PROPER GRADE WITH HAND LEVEL, USE TABLE FOR APPROPRIATE DIMENSIONS.
- STEP 3 MOUNT POLE OR PEDESTAL, ATTACH TOP WASHERS & NUTS HAND TIGHT.
- STEP 4 PLUMB POLE OR PEDESTAL AFTER ALL MASTARMS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.
- STEP 5 ATTACH NUT COVERS WHERE REQUIRED.
- STEP 6 DO NOT GROUT IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SURFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.
- STEP 7 POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB, NO "RAKE" IS TO BE LEFT.

IF NECESSARY:
ANCHOR BOLT TO BE TRIMMED WITH SAW, DO NOT BURN, AS THIS DRASTICALLY REDUCES THE TENSILE STRENGTH OF ANCHOR BOLT.
COAT ANCHOR BOLT WITH RUST-OLEUM HARD HAT ZINC RICH COMPOUND.

		ANCHOR BOLT SIZE						ALUM. PED.
		1"	1 1/4"	1 1/2"	3/4"			
UNIT		POLE GAUGES						
		7 GA.	3 GA.	7 GA.	3 GA.	7 GA.	3 GA.	
A		7/16"	7/16"	1 1/8"	1 5/16"	1 1/8"	7/8"	3/4"
B		1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	3/4"
C		1/4"	1/4"	5/16"	3/16"	3/8"	3/8"	3/16"
D		5/32"	5/32"	1/4"	1/4"	1/4"	1/4"	5/32"
E		1"	1"	1 1/4"	1 1/2"	1 1/2"	1 3/4"	5/8"



CONSTRUCTION METHOD FOR "DOUBLE-NUT" INSTALLATION OF POLES AND PEDESTALS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: EUGENE GEBULIS (E.E., E.S.) ENGINEER: M.J.S.
SUPERVISING ENGINEER: ELEC. DESIGN ENGR. I.W.S. NO. 837

DEPT. COMMISSIONER: [Signature]
DATE: 6-7-85

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS

**DES PLAINES RIVER TRAIL
SEGMENT 2**

CDOT STANDARDS

CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.: 860001.2127A	DES SHEET NO.	SHEET NUMBER
DATE:		TS27
#SUB_DATE		
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
		SHEET 77 OF 137

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PLOT SCALE = 1'	PLOT DATE = 4/26/2022	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS

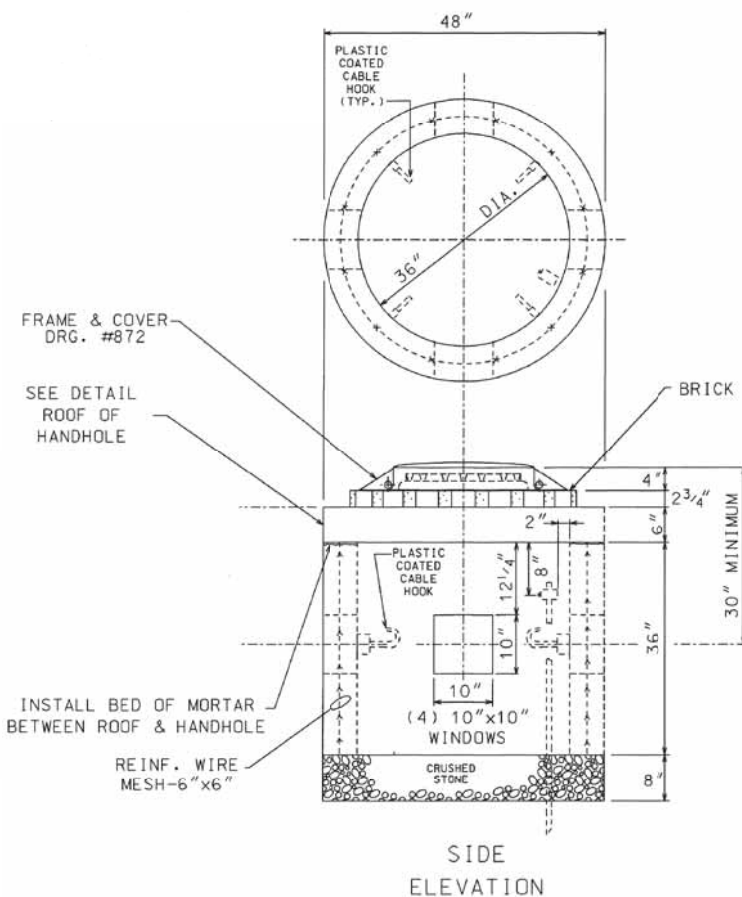
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	77
		CONTRACT NO. 61H78		
ILLINOIS FED. AID PROJECT				

DETAIL NOTES:

1. NO SPLICES SHALL BE ALLOWED IN MANHOLES OR HANDHOLES.
2. SEE CHICAGO DWG NO. 736 FOR GROUNDING DETAILS.

TOP VIEW
FRAME, COVER & TOP
OF HANDHOLE REMOVED



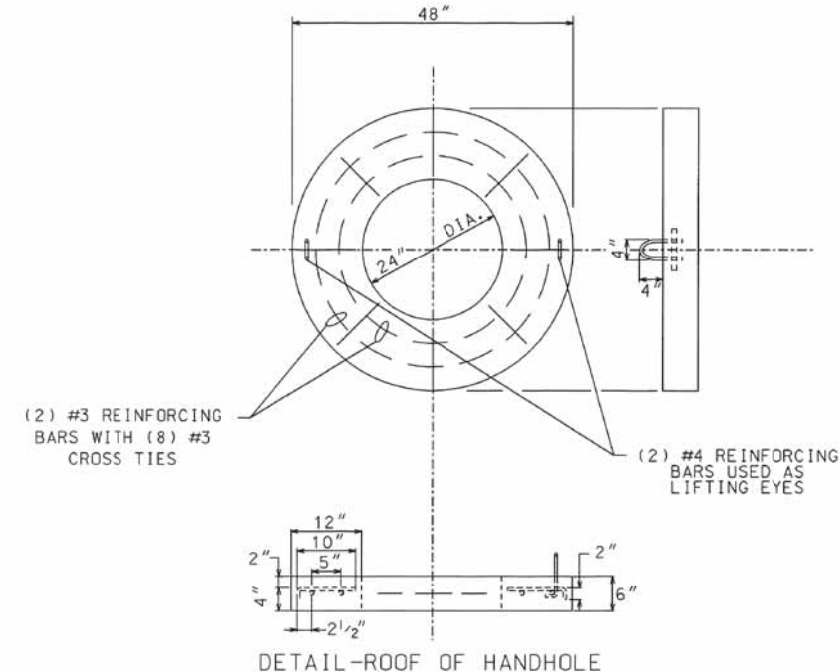
COMPLETE COMMODITY CODE NO. 05-6610-5310M

CODE NO.	MATERIALS	SIZE	QUAN.
(1) 05-6610-5312	PRE-CAST HANDHOLE	36" X 36"	
(2) 05-6610-5312	PRE-CAST ROOF	SEE DETAIL	1
05-9075-5470	STONE 3/4" CRUSHED SCREENINGS	BAG	5
05-1452-9720	BRICK		24
02-4299-5524	FRAME, MANHOLE	24"	1
02-4574-5624	COVER, MANHOLE	24"	1
09-7796-9312	GROUND ROD	3/4" x 12'	1
09-2636-3240	GROUND CLAMP		1
(3) 05-5082-5330	SONO TUBE	36"	1
(3) 05-5082-5342	SONO TUBE	48"	1
(3) 05-3267-2940	CONC. REDI-MIX	CU. YD.	3/4
(3) 20-5472-9630	REINFORCING BAR	#3 (3/8")	20'
(3) 20-5472-9630	REINFORCING BAR	#3 (3/8")	8'
(3) 20-5472-9640	REINFORCING BAR	#4 (1/2")	4'
(3) 57-0770-0000	(MESH (6" X 6"))	36" X 11"	1

- (1) PRE-CAST HANDHOLE SHALL INCLUDE CABLE HOOKS AND CONDUIT KNOCK-OUTS.
- (2) PRE-CAST ROOF SHALL INCLUDE LIFTING EYES.
- (3) THESE ITEMS ARE FOR POURED-IN-PLACE HANDHOLES ONLY.

CONSTRUCTION NOTES:

- 1 - 8" BED OF STONE FOR DRAINAGE.
- 2 - ALL METALLIC CONDUIT(S) ENTERING HANDHOLE SHALL EXTEND MIN. 1" & MAX. OF 3" INSIDE INNER WALL & BE EQUIPPED WITH AN APPROVED TYPE THREADED GROUNDING BUSHING.



DATE	REVISION
B 07-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY (HC/10)
A	REDRAW (CAD.) MP.

36" DIA. HEAVY DUTY CONCRETE HANDHOLE WITH 24" FRAME & COVER

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: M. PATTON	CHIEF DRAFTSMAN: B. CARTER	ENGINEER W. TROMPKA M. DEBARTOLO
SUPERVISING ENGINEER: B. CARTER	ELEC. DESIGN ENGR. B. CARTER	
ENGINEER OF ELECTRICITY: B. CARTER		
GENL. SUPV. OF ELECTRICITY: B. CARTER		
DEPUTY COMMISSIONER: B. CARTER		

DWG. NO. 866
DATE: 1-12-96

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS28	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
			SHEET 78 OF 137

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

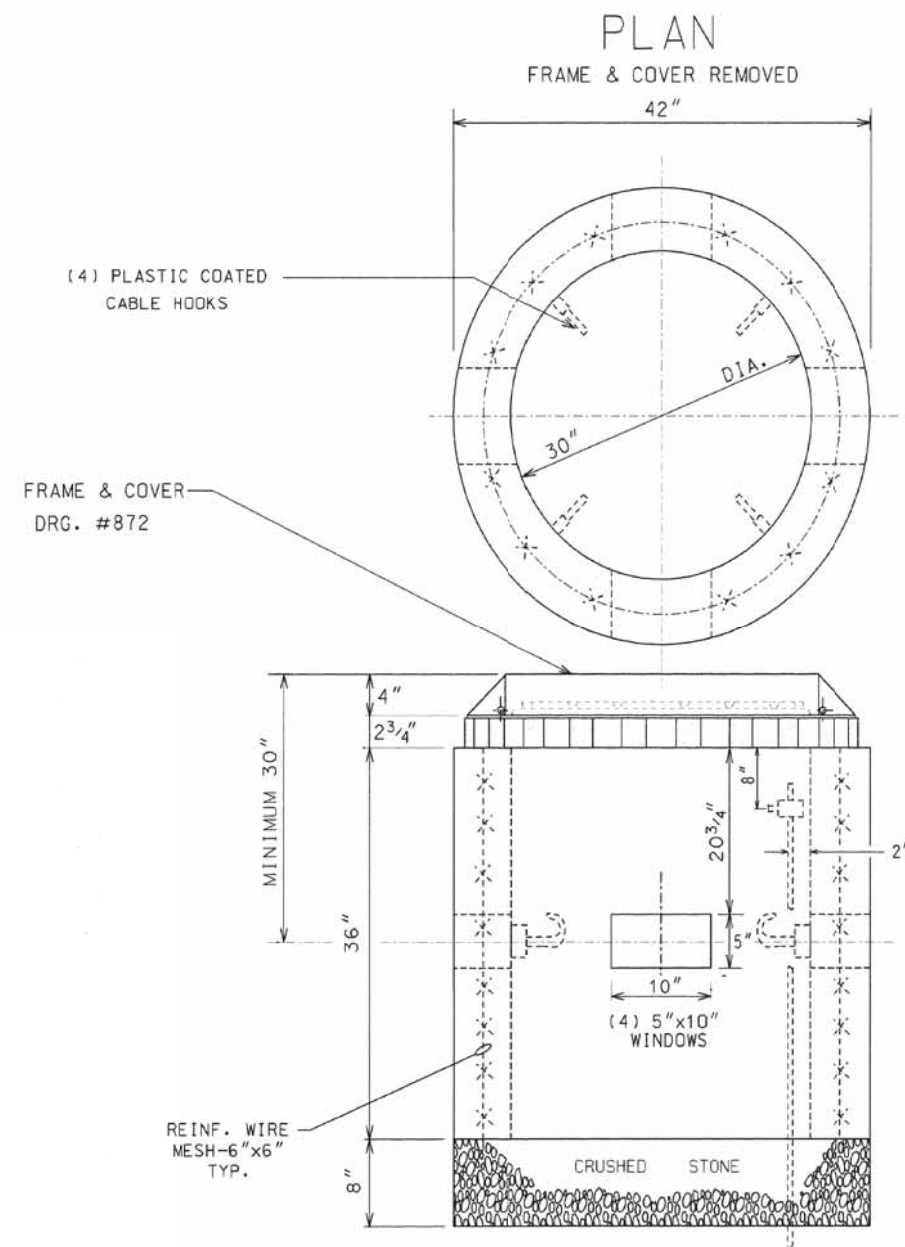
CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	78
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

DETAIL NOTES:

1. NO SPLICES SHALL BE ALLOWED IN MANHOLES OR HANDHOLES.
2. SEE CHICAGO DWG NO. 736 FOR GROUNDING DETAILS.



COMPLETE COMMODITY CODE NO. 05-6610-5310M			
CODE NO.	MATERIALS	SIZE	QUAN.
(1) 05-6610-5310	PRE-CAST HANDHOLE	30"X36"	1
(2) 05-9075-5470	STONE 3/4" CRUSHED	BAG	5
(2) 05-5082-5330	SOND TUBE	30"	1
(2) 05-5082-5342	SOND TUBE	42"	1
(2) 05-3267-2940	CONC. REDI-MIX	CU. YD.	1/2
(2) 57-0770-0000	6" X 6" MESH	36"X10'	1
05-1452-9720	BRICK		24
02-4299-5524	FRAME MANHOLE	24"	1
02-4574-5040	COVER, MANHOLE	24"	1
09-7796-9312	GROUND ROD	3/4"X12'	1
09-2630-3240	GROUND CLAMP		1

- (1) PRE-CAST HANDHOLE SHALL INCLUDE CABLE HOOKS AND CONDUIT KNOCKOUTS.
- (2) THESE ITEMS ARE FOR POURED-IN-PLACE HANDHOLES ONLY.

CONSTRUCTION NOTES:

1. 8" BED OF STONE FOR DRAINAGE.
2. ALL METALLIC CONDUITS ENTERING HANDHOLE SHALL EXTEND MINIMUM 1" & MAXIMUM 3" INSIDE INNER WALL AND BE EQUIPPED WITH AN APPROVED TYPE OF THREADED GROUNDING BUSHING.

B	01-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY	IRC/RED
A	12-8-95	REDRAW (CAD)	MP.
DATE		REVISION	
30" DIA. CONCRETE HANDHOLE			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN	CHIEF DRAFTSMAN	ENGINEER	TRONPRA
M. PATTON	B. CARTER	DESARTOLC	
SUPERVISING ENGINEER	ELECT. DESIGNER		
ENGINEER IN CHARGE			DWG. NO.
			867
GENL. Supt. OF ELECTRICITY			
DEPT. COMMISSIONER			
	B. Murphy		
SIZE: 11"	17"	SCALE: NONE	DATE: 12-8-95

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS29	
DATE: #SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 79 OF 137

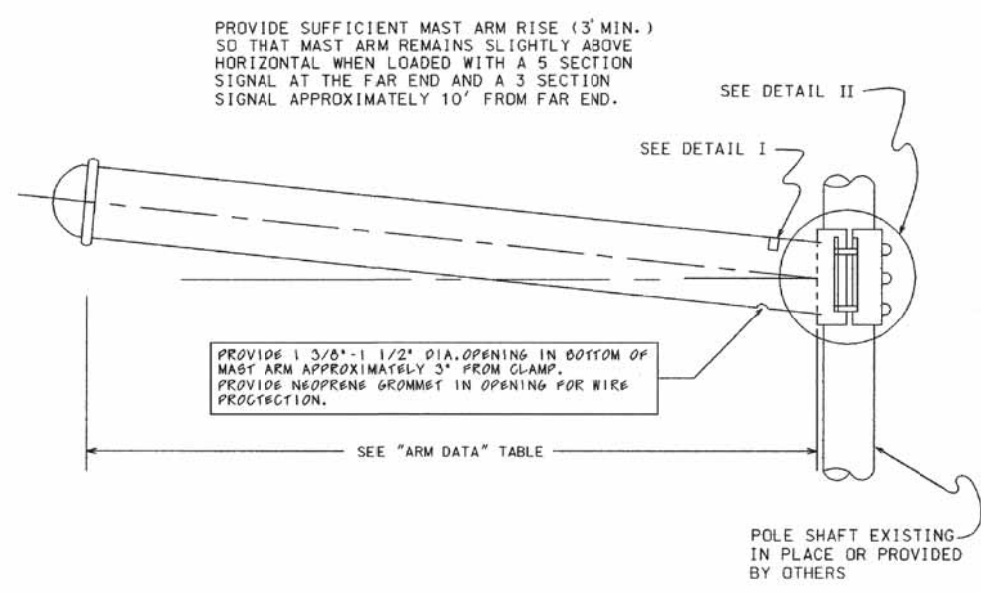
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Default	PLOT SCALE = 1'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	79
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



PROVIDE SUFFICIENT MAST ARM RISE (3' MIN.) SO THAT MAST ARM REMAINS SLIGHTLY ABOVE HORIZONTAL WHEN LOADED WITH A 5 SECTION SIGNAL AT THE FAR END AND A 3 SECTION SIGNAL APPROXIMATELY 10' FROM FAR END.

PROVIDE 1 3/8" - 1 1/2" DIA. OPENING IN BOTTOM OF MAST ARM APPROXIMATELY 3" FROM CLAMP. PROVIDE NEOPRENE GROMMET IN OPENING FOR WIRE PROTECTION.

TOP
0.00 - 0.00

I. D. TAG TO BE MOUNTED ON THE TOP OF THE POLE AS INDICATED. USING 2 "GRIP-NAIL" FASTENERS.

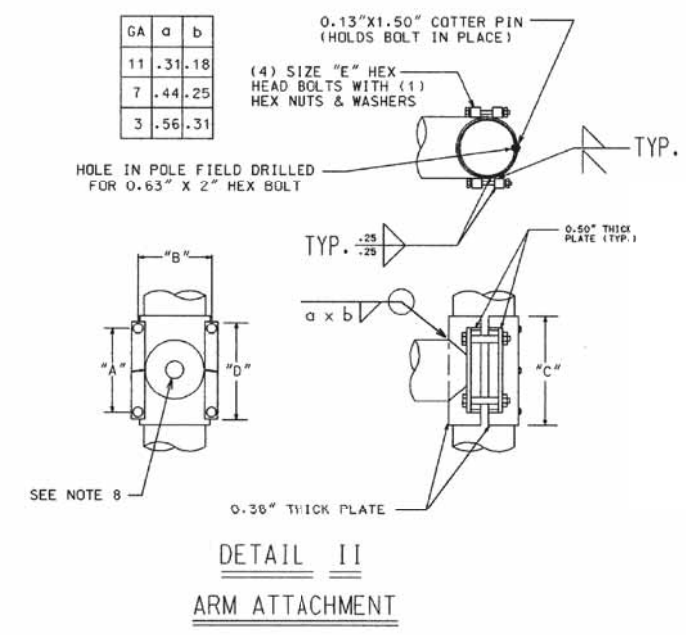
DETAIL I
I. D. TAG

SIGNAL ARM ATTACHMENT DATA					
CLAMP RANGE	"A"	"B"	"C"	"D"	"E"
7.45" - 7.95"	7.25"	9.92"	10.80"	10.32"	1.00" X 7.50"
8.45" - 8.95"	9.00"	10.66"	13.06"	12.50"	1.00" X 8.00"
9.95" - 10.45"	10.25"	12.66"	15.30"	13.50"	1.25" X 8.50"

CLAMP RANGE (INCHES)	POLE END (INCHES)	SIGNAL END (INCHES)	LENGTH (FEET)	GAUGE	WEIGHT (POUNDS)	TEST LOAD (POUNDS)	MAX. DEFLECTION (INCHES)
7.45-7.95	7.0	4.76	16	7	241	1700	6.5
7.45-7.95	7.0	4.20	20	7	274	1300	12.0
7.45-7.95	7.0	3.36	26	7	315	1000	24.0
8.45-8.95	8.0	3.80	30	7	409	1100	29.0
9.95-10.45	9.0	4.10	35	7	529	1200	36.0
9.95-10.45	9.0	3.40	40	7	559	1000	52.0
9.95-10.45	10.0	3.84	44	7		1200	57.0

NOTES:

- TRAFFIC SIGNAL ARM SHAFT ASTM DESIGNATION: A595 GRADE C, 60,000 PSI MINIMUM YIELD STRENGTH WITH A LINEAR TAPER -0.14"/FT.
- TRAFFIC SIGNAL ARM END CAP SECURED IN PLACE WITH 3 SET SCREWS AND 1 THRU ARM END BOLT. (PLATED HARDWARE)
- ALL THREADED FASTENERS TO BE GALVANIZED TO ASTM DESIGNATION: A153
- ALL VEHICULAR AND/OR PEDESTRIAN SIGNAL LIGHTS AND NECESSARY HARDWARE FOR ATTACHMENT TO BE FIELD LOCATED AND FURNISHED BY OTHERS.
- ALL ARM END CAPS AND ARM CLAMPS TO BE FULLY ASSEMBLED AND ATTACHED TO THE ARM PRIOR TO SHIPPING.
- ARM ASSEMBLY TO BE DEGREASED; CLEANED; CHEMICALLY PRETREATED; GIVEN AN EXTERIOR THERMOSETTING POLYESTER POWDER COAT; AND AN INTERIOR THERMOPLASTIC HYDROCARBON RESIN POWDER COAT. ALL PAINTING TO BE IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 8, "PAINTING".
- MAST ARM SHALL BE TESTED IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 9 WITH TEST VALUES AS SHOWN ON THE "ARM DATA" TABLE.
- HOLE IN CLAMP TO BE 4.0" (MIN.). HOLE TO BE GROUND SMOOTH AND DEBURRED TO PROVIDE A SMOOTH WIRE ENTRY FROM POLE TO MAST ARM.



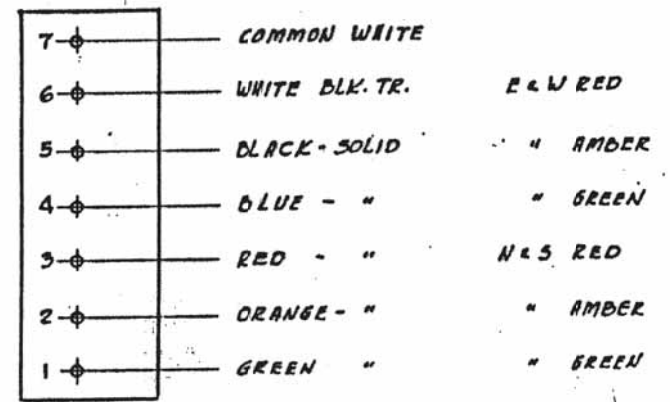
DETAIL II
ARM ATTACHMENT

B	10-29-02	REFERENCES SPEC. 1454
A	8-6-93	WIRE OPENING ON MAST ARM
DATE	REVISION	
SUPERSEDES Dwg. DATED DEC. 1991		
STEEL TRAFFIC SIGNAL MAST ARM-MONOTUBE		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAWN BY	CHECKED BY	ENGINEER
R. IVY	ROBERT CARTER	RON POOL
SUPERVISOR	ENGINEER	
870		
DATE	DEC. 1991	

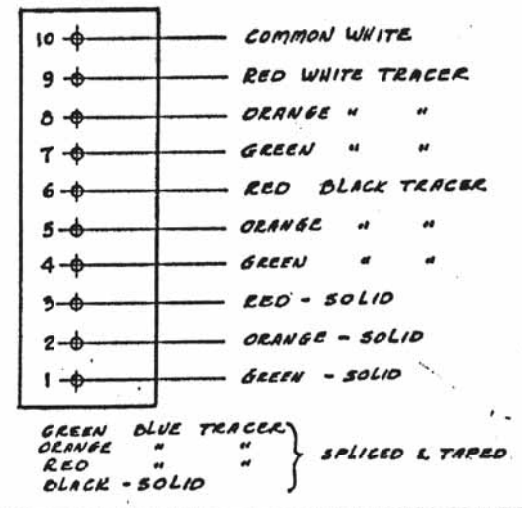
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DES SHEET NO.	SHEET NUMBER TS30	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
			SHEET 80 OF 137

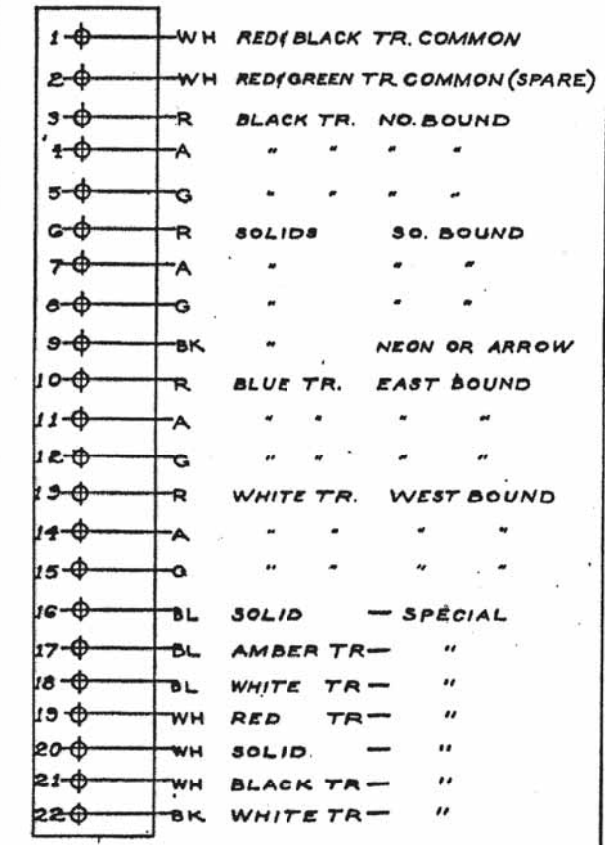
• 7 CONDUCTOR - 7 POINT STRIP •



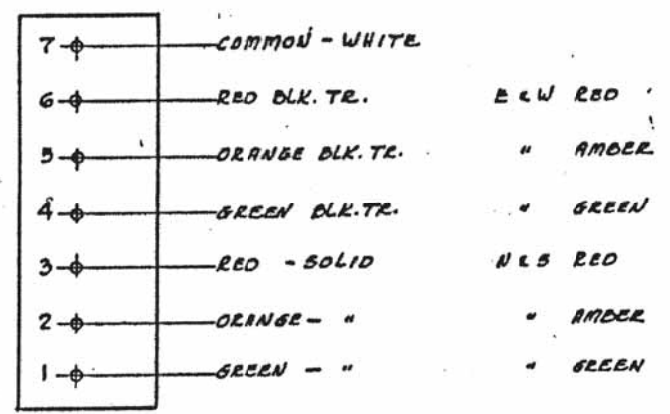
• 14 CONDUCTOR - 10 POINT STRIP •



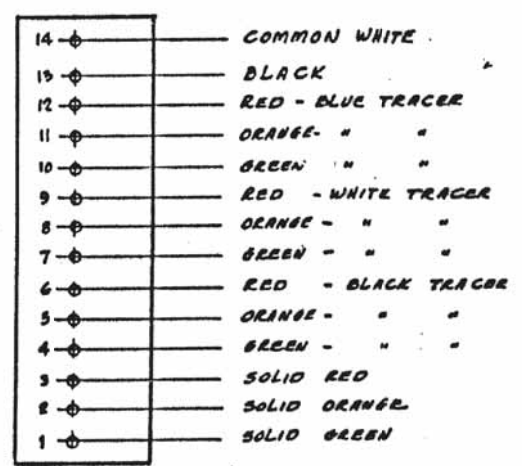
• 22 CONDUCTOR - CODE •
• 19/C CODE - OMIT *19 - *21 + *22 •



• 10 CONDUCTOR - 7 POINT STRIP •

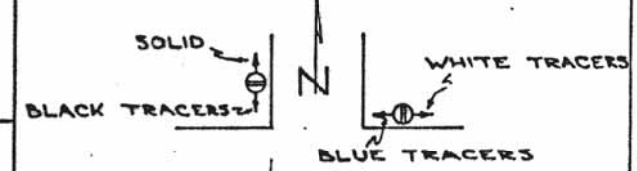


• 14 CONDUCTOR - 14 POINT STRIP •

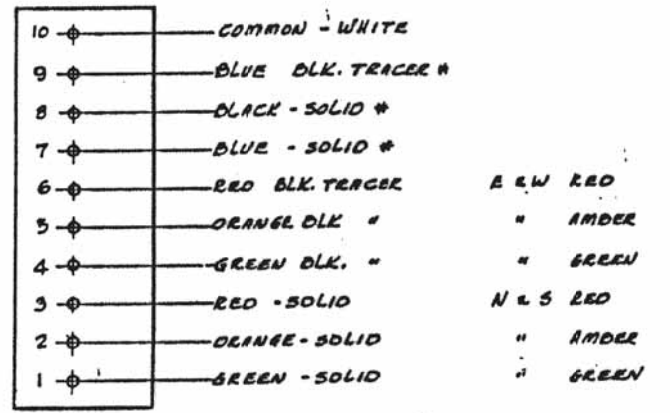


SOLID BLUE }
SOLID BLACK } SPLICED & TAPED
BLUE BLK. TR }

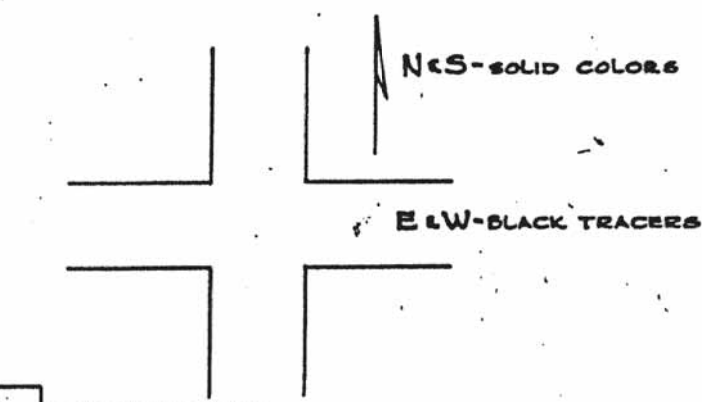
• SPLIT CORNER •



• 10 CONDUCTOR - 10 POINT STRIP •



• STRAIGHT CORNER •



* - SOLID BLUE - GREEN LIGHT
* - SOLID BLACK - AMBER " } IF USED
* - BLUE BLACK TR. RED "

NOTE:
CONDUCTORS FOR
WALK SIGNALS &
VARIOUS MESSAGE
SIGNS AT DISCRETION
OF INSTALLER

**TRAFFIC CONTROL SIGNALS
STRIP WIRING LAYOUT**

REVISED	CITY OF CHICAGO DEPT OF STREETS AND SANITATION DIVISION OF ELECTRICAL OPERATION		
A	5-4-61	DRAWN	H.E.S.
B	11-10-64	CHECKED	R.H. [Signature]
C		ENGINEER	C.C. [Signature]
D		SUPERVISOR	
E		SUPERINTENDENT	
F		COMMISSIONER	
G		DATE	11-8-56

12268-A

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS

**DES PLAINES RIVER TRAIL
SEGMENT 2**

CDOT STANDARDS

CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.:	DEO SHEET NO.	SHEET NUMBER
860001.2127A		TS31
DATE:		
#SUB. DATE		
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
		SHEET 81 OF 137

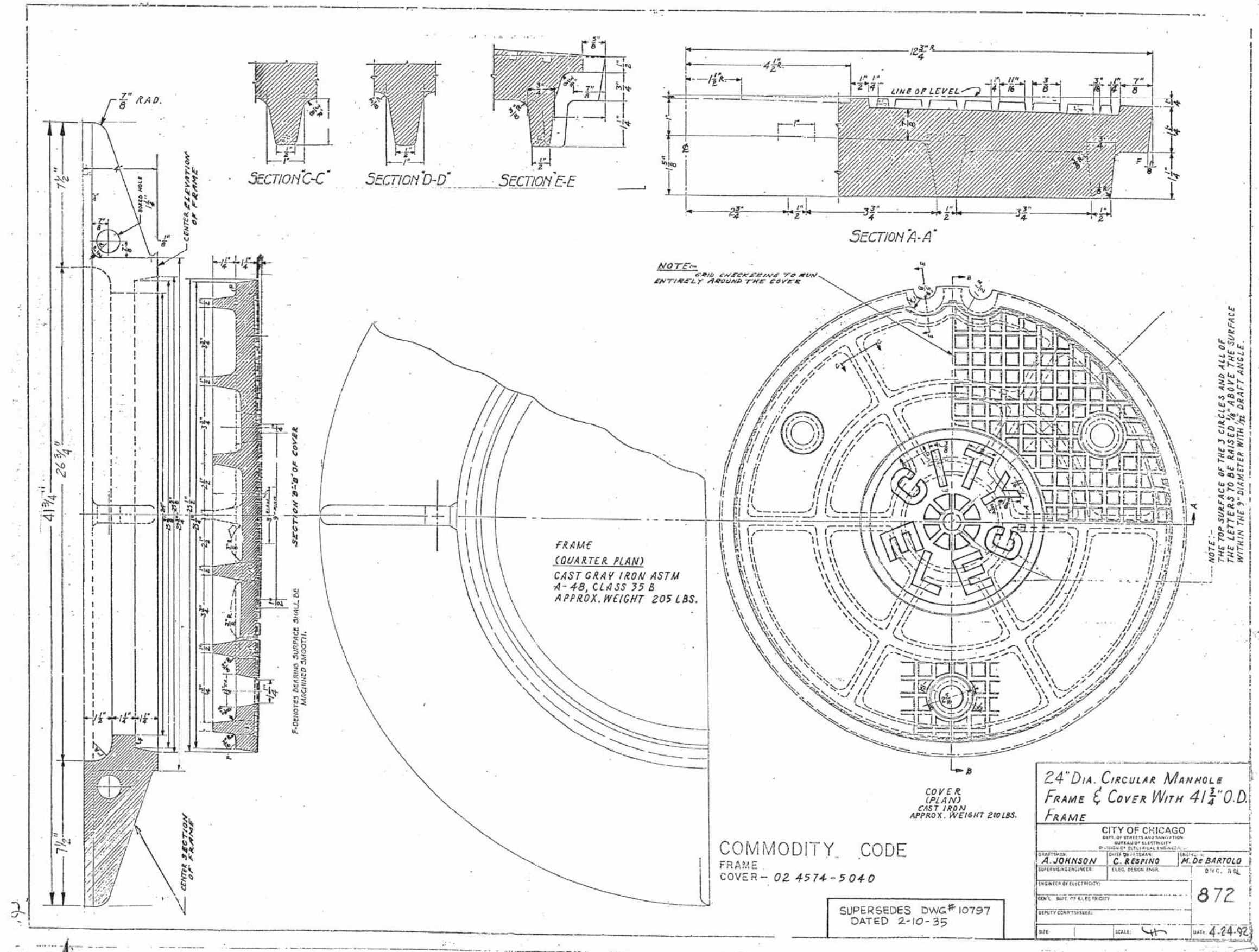
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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	81
				CONTRACT NO. 61H78
ILLINOIS FED. AID PROJECT				



CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			

**DES PLAINES RIVER TRAIL
SEGMENT 2**

CDOT STANDARDS

CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER
DATE: #SUB_DATE		TS32
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
		SHEET 82 OF 137

**24" DIA. CIRCULAR MANHOLE
FRAME & COVER WITH 41 3/4" O.D.
FRAME**

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DESIGNED BY A. JOHNSON	CHECKED BY C. RESPINO	DRAWN BY M. DE BARTOLO
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	DIV. C. D. CL.
ENGINEER OF ELECTRICITY:		872
GEN'L. SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE:	SCALE: 1/4"	DATE: 4-24-92

COMMODITY CODE
 FRAME
 COVER - 02 4574-5040

SUPERSEDES DWG # 10797
 DATED 2-10-35

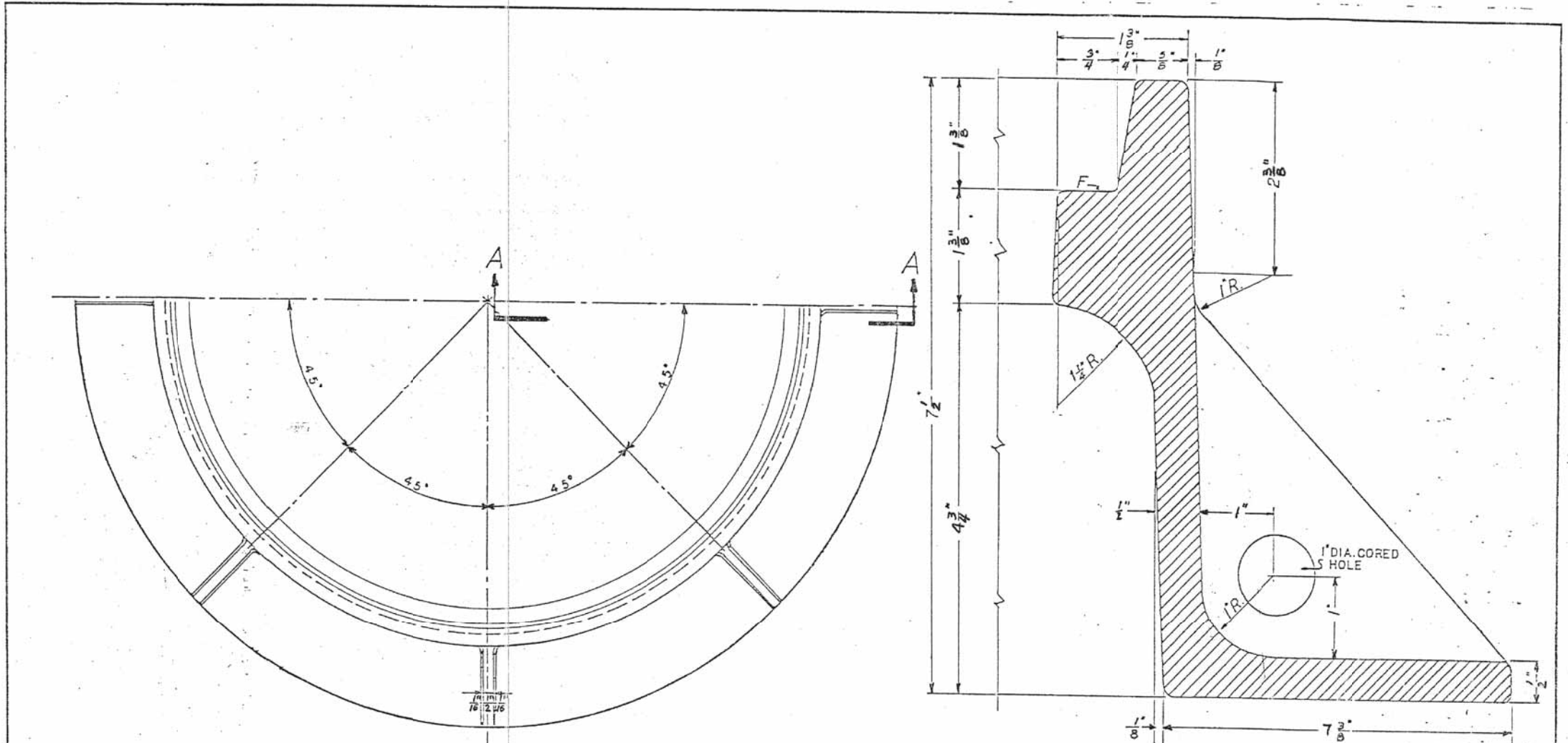
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	82
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

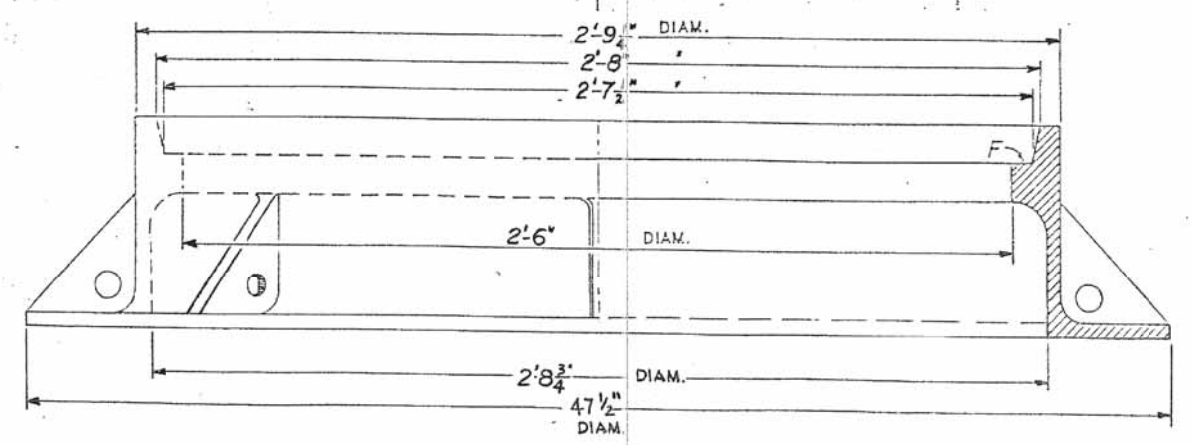


HALF PLAN

MATERIAL - CAST IRON
ESTIMATED WEIGHT APP. 250 L.B.

F - DENOTES BEARING SURFACE SHALL BE MACHINED SMOOTH.

TYPICAL SECTION THRU FRAME



HALF ELEVATION

HALF SECTION A-A

COMMODITY CODE NO.

SUPERSEDES DRG. # 10926
DATED 4-6-35

REVISED		30" CIRCULAR STREET MANHOLE FRAME	
REVISION	A	DATE	5-5-92
WEIGHT	B	DESIGNED BY	R. SYCOWSKI
REVISED	C	CHECKED BY	H. SHINE
	D	ENGINEER	
	E	DEPT. NO.	874
	F	DATE	5-5-92
	G	SIZE	15x21
		SCALE	3" = 1'-0"

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DESIGN SHEET NO.	SHEET NUMBER TS33	
DATE:			
#SUB. DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 83 OF 137

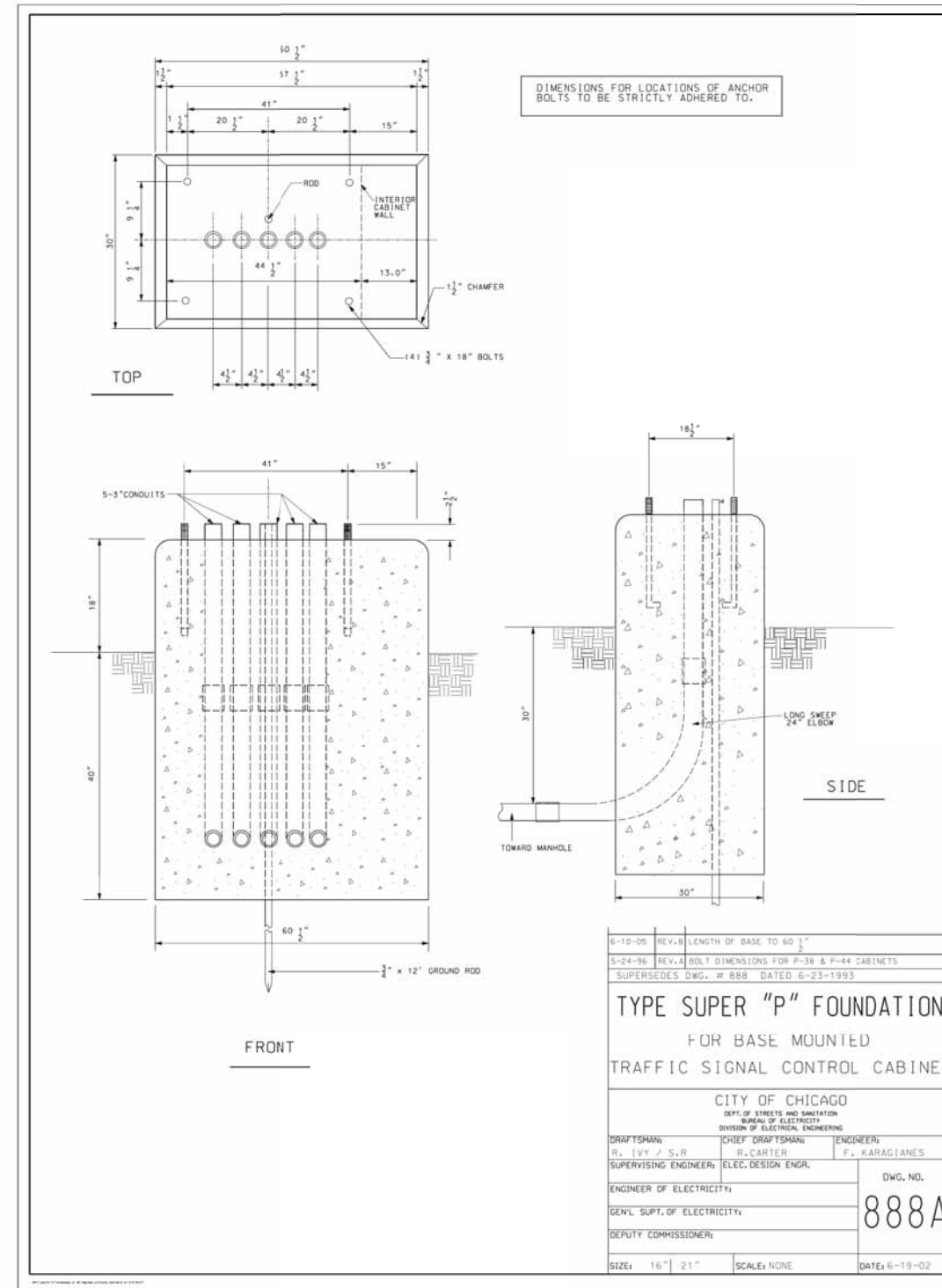
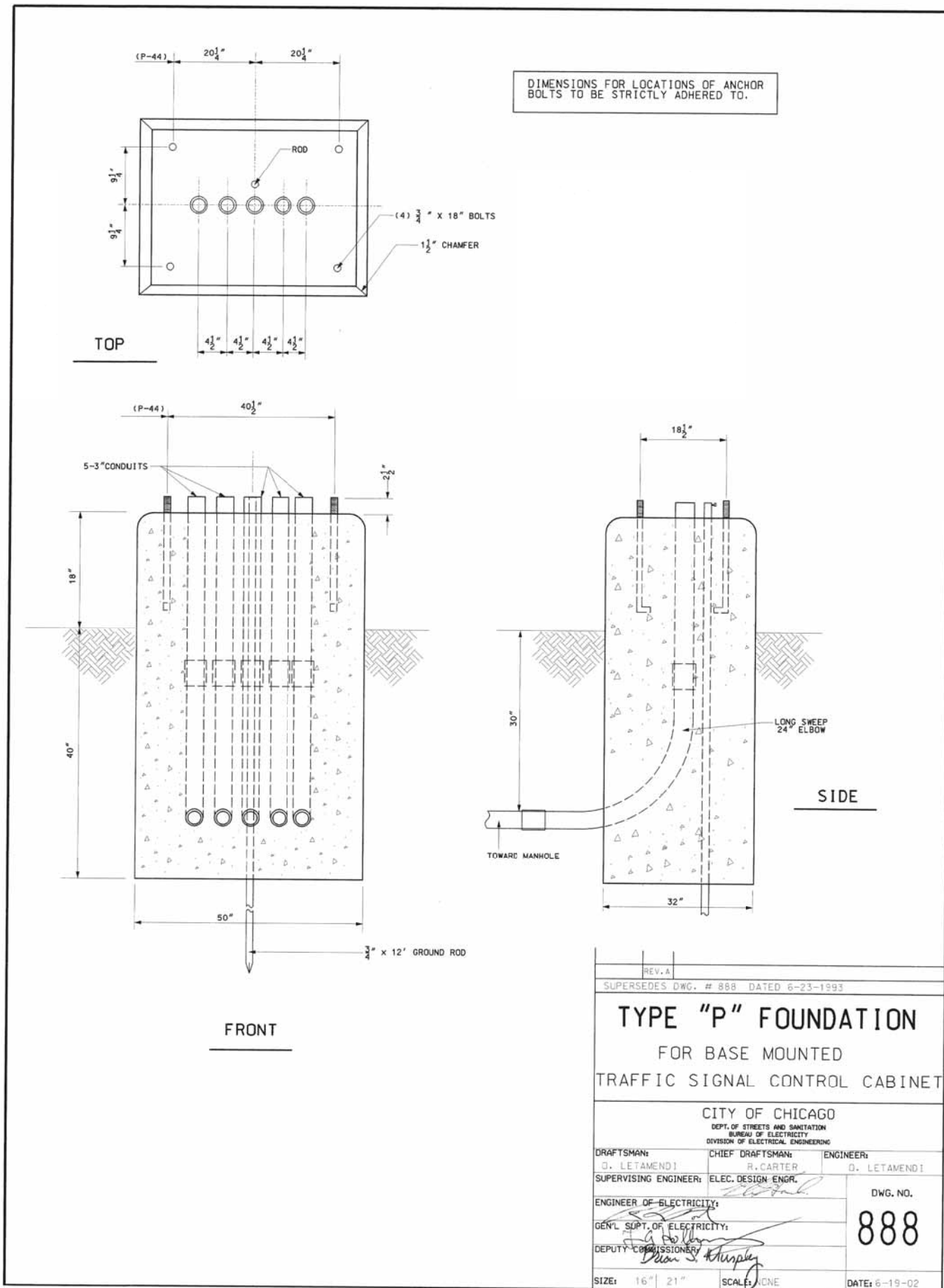
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		CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	83
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



CB CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500			
NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE: #SUB_DATE		TS34	
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 84 OF 137

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO STANDARDS			
SCALE:	SHEET	OF	SHEETS
		STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	84
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

DETAIL NOTES:

1. THE CONTRACTOR SHALL LOCATE THE PROPOSED OFFSET FOUNDATIONS AS REQUIRED TO MAINTAIN THE FOLLOWING MIN. CLEARANCES FROM EXISTING WATERMAIN, IN ACCORDANCE WITH DEPARTMENT OF WATER MANAGEMENT (DWC) STANDARDS:
 - HORIZONTAL CLEARANCE: 5'-0",
 - VERTICAL CLEARANCE: 1'-6".

2. OFFSET FOUNDATION CAP BEAM SHALL BE A MINIMUM OF 7'-0" LONG, OR REQUIRED TO AVOID EXISTING UTILITIES.

NOTES

1. EXCAVATION OF THE POLE FOUNDATION MUST BE MADE WITH AN AUGER, 30" IN DIAMETER
2. THE ANCHOR WILL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
3. THE ANCHOR BOLTS AND CONDUITS MUST BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM
4. THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS MUST BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A153
5. ANCHOR BOLTS AND CONDUITS MUST PROJECT 5-3/4" ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR MUST CONFIRM ANCHOR BOLT AND CONDUIT EXTENSIONS WITH ENGINEER.
6. POLES MUST BE INSTALLED PER DRAWING 837
7. THE CONDUIT TRENCH MUST BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT POLE IS ERECTED
8. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS S1 CONCRETE
9. ALL REINFORCEMENT SHALL HAVE A MINIMUM 3" COVER OF CONCRETE

RE-BAR SCHEDULE

MARK	NO.	SIZE	SHAPE	LENGTH
a	10	6	—	7'-0"
s	4	4	□	7'-8"
s1	3	3	□	6'-8"
s2	1	3	○	99'-3"
s3	1	3	○	99'-8"
v1	8	6	—	2'-11"
v2	8	6	—	9'-0"

OFFSET FOUNDATION FOR LIGHT POLE

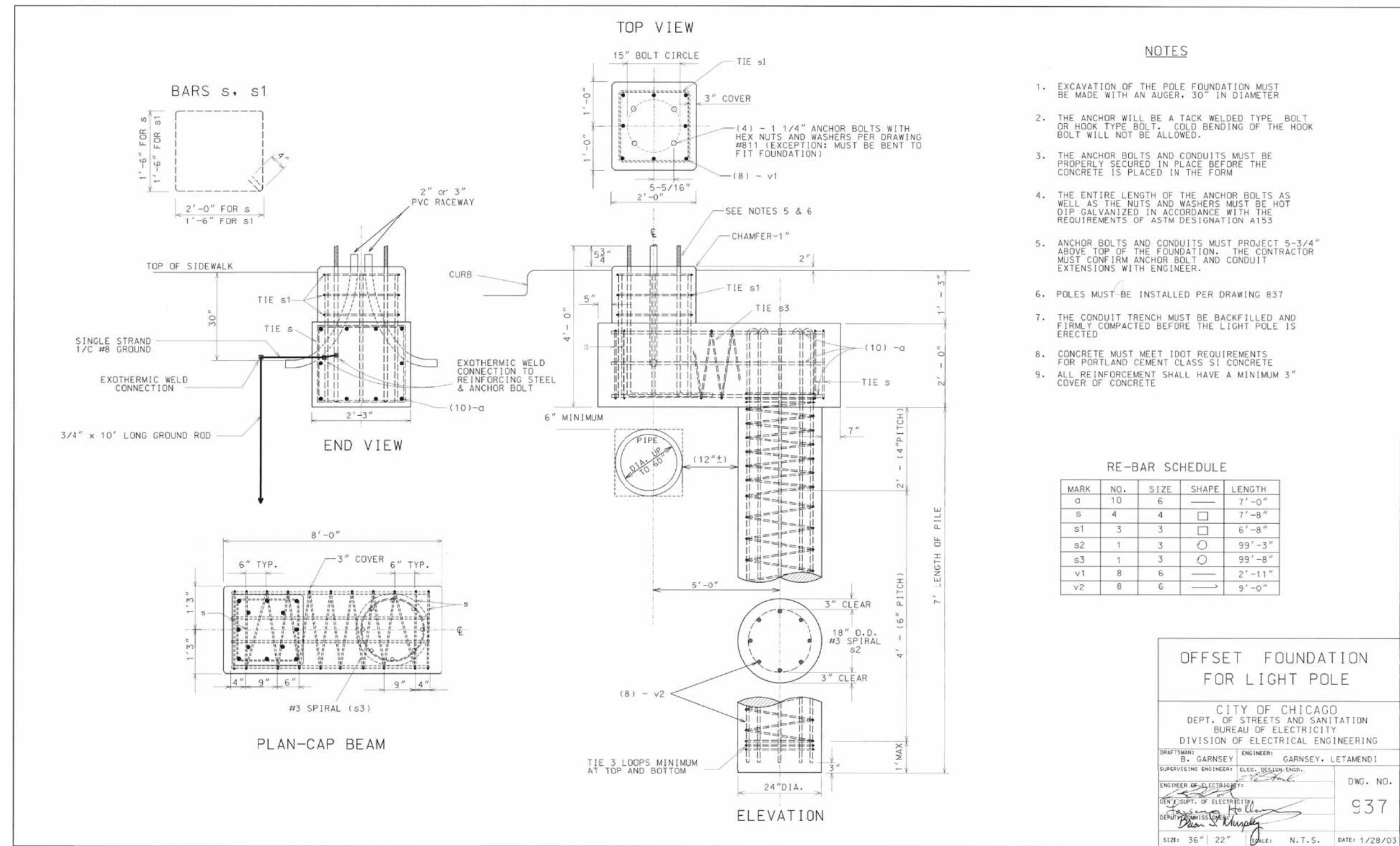
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

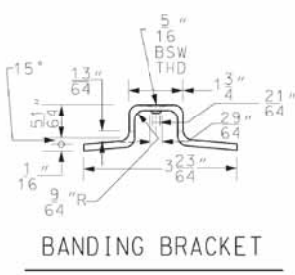
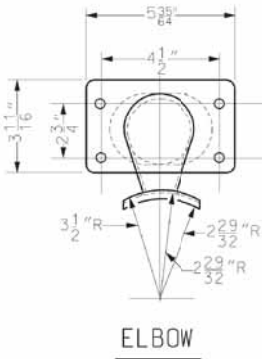
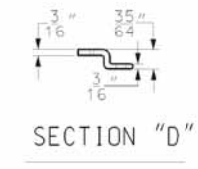
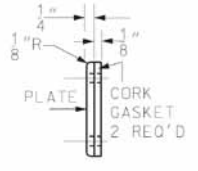
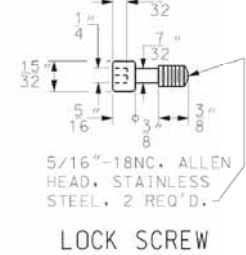
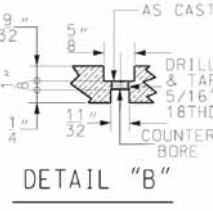
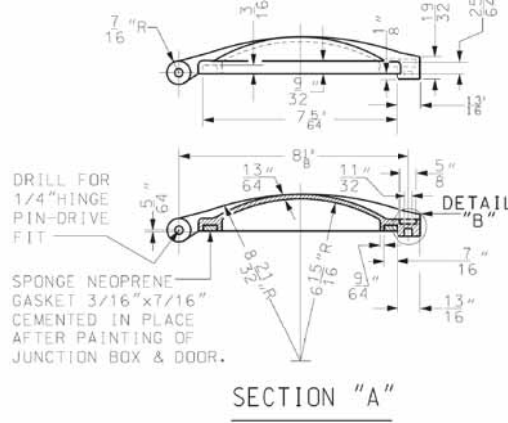
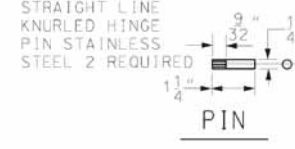
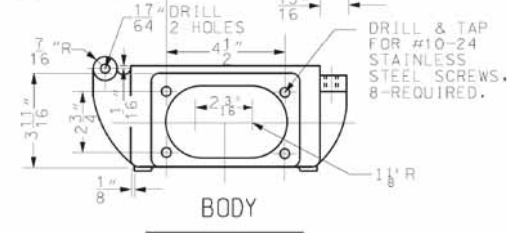
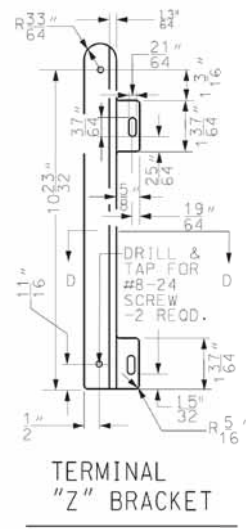
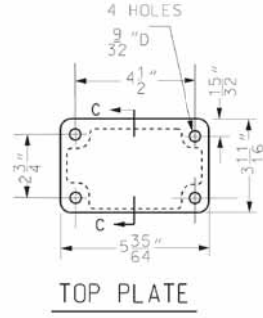
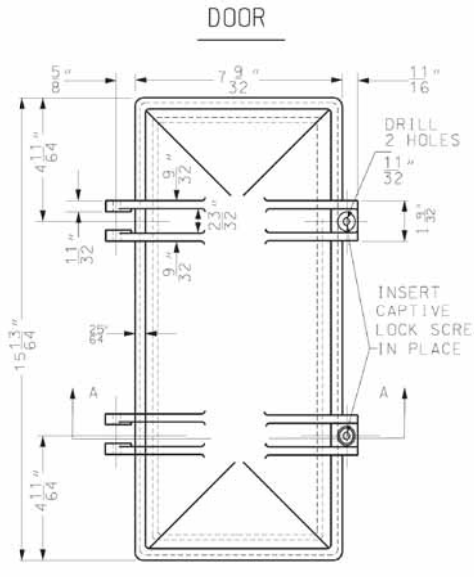
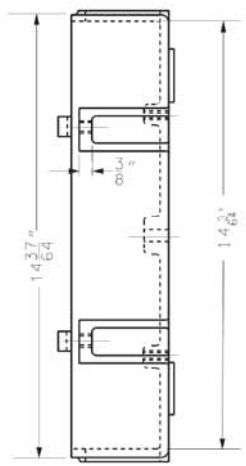
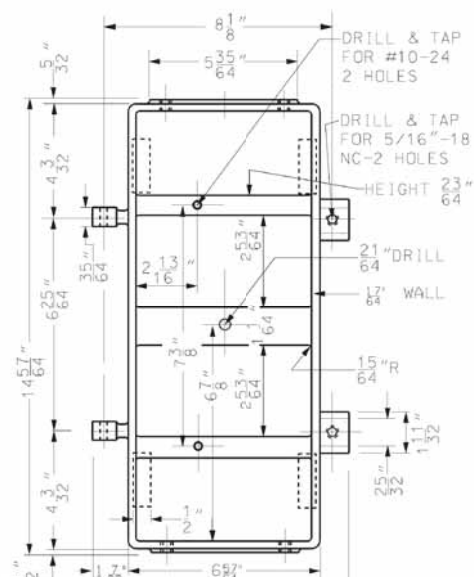
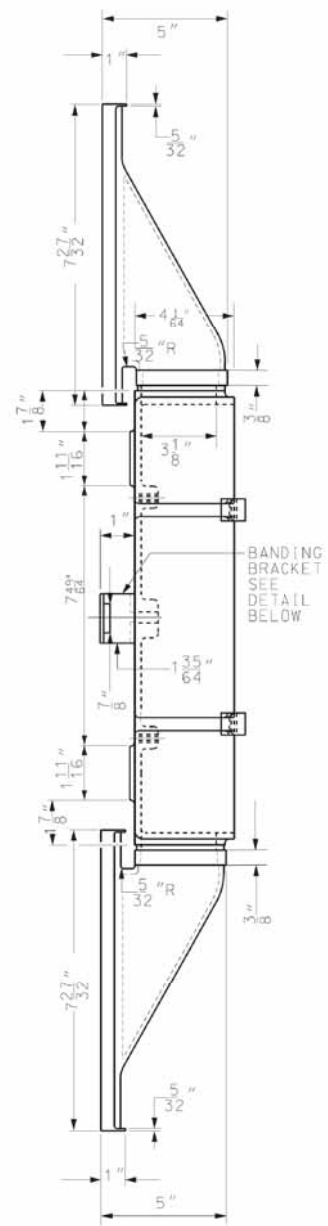
DRAFTSMAN: B. GARNSEY ENGINEER: GARNSEY, LETAMENDI
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY: DWG. NO. 937
GEN. SUPT. OF ELECTRICITY: [Signature]
DEPT. COMMISSIONER: [Signature]

SIZE: 36" x 22" SCALE: N.T.S. DATE: 1/28/03

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER	
DATE: #SUB_DATE		TS35	
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 85 OF 137





MATERIALS
 BODY, DOOR, ELBOW & PLATE: CAST ALUMINUM ALLOY. TERMINAL MTG. BRACKET: ALUMINUM ALLOY.
 SCREWS, HINGE PINS, BANDING BRACKET: STAINLESS STEEL.
 CORK GASKET 1/8" THICK, TO BE FURNISHED BETWEEN FLAT PLATE AND BODY.
 SPONGE NEOPRENE GASKET 14 5/16" x 7 5/16" x 7/16", TO BE FURNISHED BETWEEN DOOR AND BODY

DATE	07/24/15	REVISION	ELBOW ON TOP OF BOX ADDED.
DATE		REVISION	
SUPERSEDES DWG. # 832 DATED 5-1-85			
JUNCTION BOX FOR TRAFFIC SIGNAL & FIRE ALARM			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:	
D. LETAMENDI	R. C.	D. LETAMENDI	
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.	
ENGINEER OF ELECTRICITY:			954
GENL. SUPT. OF ELECTRICITY:			
DATE:			
SCALE:	NONE	DATE:	5-3-02

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.:	DEO SHEET NO.	SHEET NUMBER	
860001.2127A		TS36	
DATE:			
#SUB_DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 86 OF 137

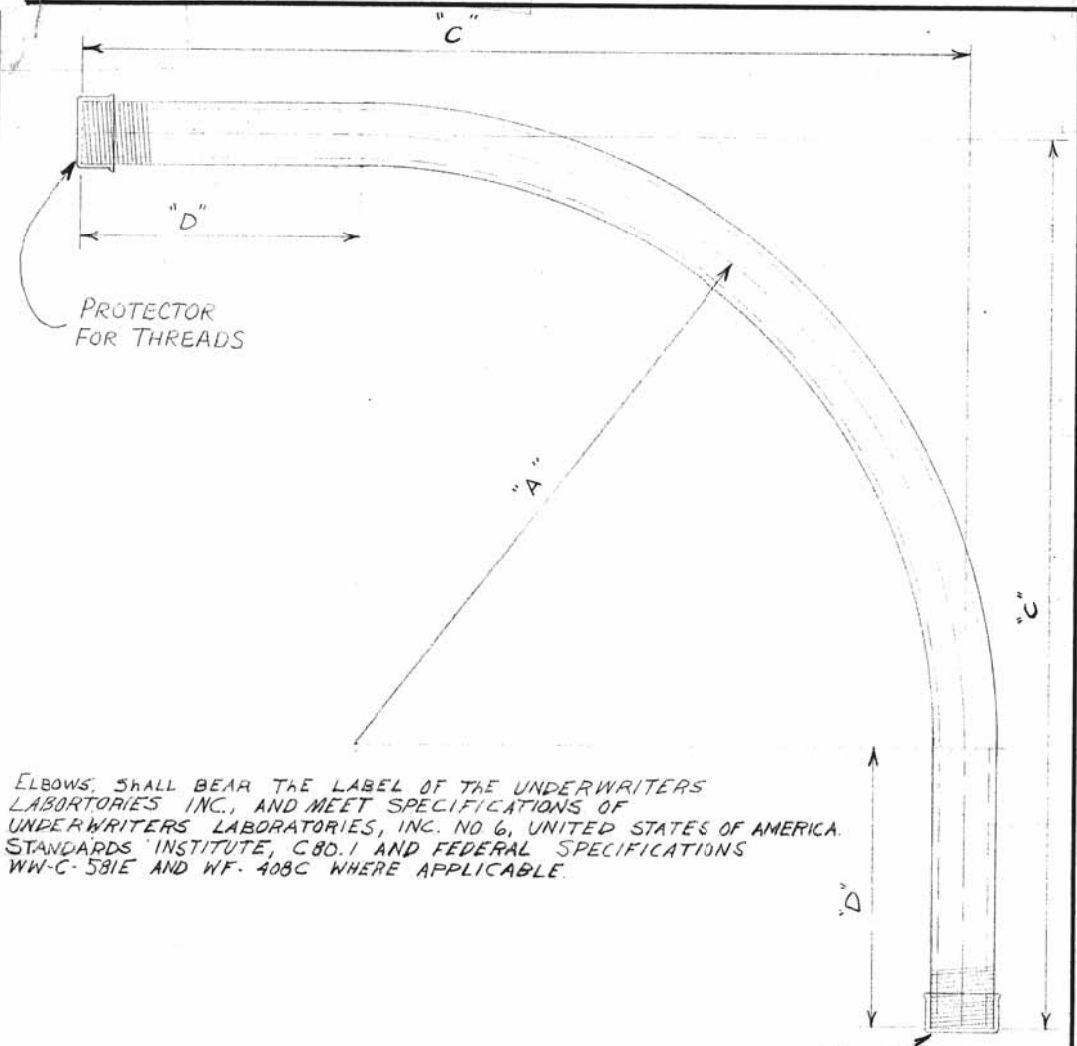
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		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT DATE = 4/26/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	86
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				



ELBOWS SHALL BEAR THE LABEL OF THE UNDERWRITERS LABORATORIES INC., AND MEET SPECIFICATIONS OF UNDERWRITERS LABORATORIES, INC. NO 6, UNITED STATES OF AMERICA. STANDARDS INSTITUTE, C80.1 AND FEDERAL SPECIFICATIONS WW-C-581E AND WF-408C WHERE APPLICABLE.

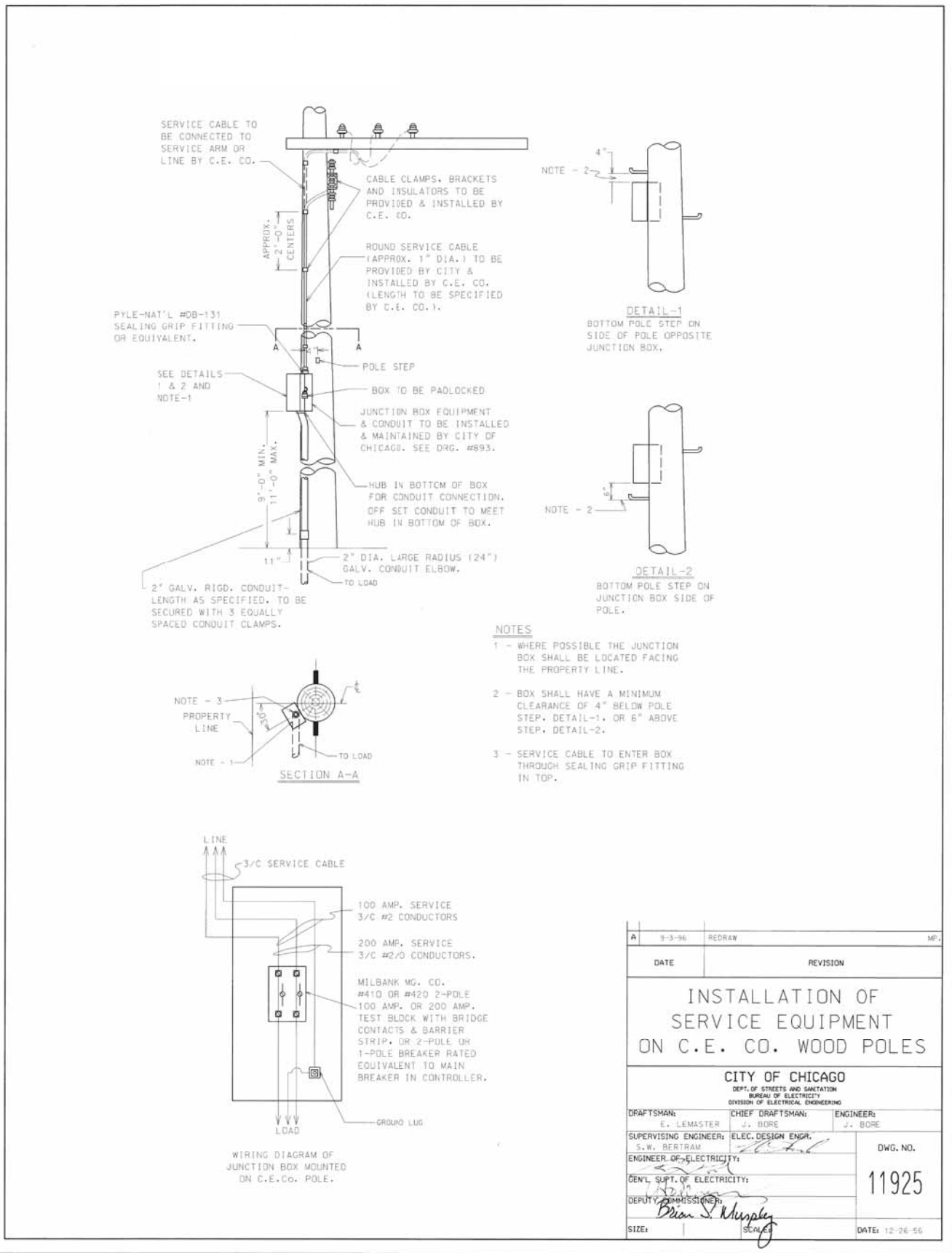
NOTE: TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW, PROTECTOR TO COVER A MINIMUM OF TEN THREADS.

REAM BOTH ENDS TO REMOVE BURRS

TABLE OF DIMENSIONS				
CONDUIT SIZE	DIMENSIONS			COMMODITY CODE
	"A"	"C"	"D"	
1 1/4"	24"	35"	11"	09-4001-0510
1 1/2"	24"	35"	11"	09-4001-0520
2"	24"	35"	11"	09-4001-4126
2 1/2"	24"	35"	11"	09-4001-4128
3"	24"	35"	11"	09-4001-4230
4"	24"	35"	11"	09-4001-0000

B SPECIFICATIONS REVISED
A REVISED DIMENSIONS ON 3" & 4" CONDUIT L.P.
ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS

REVISED	CITY OF CHICAGO		
A 7-22-71	DEPT. OF STREETS AND SANITATION		
B 4-3-79	BUREAU OF ELECTRICITY		
C	DIVISION OF ELECTRICAL ENGINEERING		
D	DRAWN	CHECKED	ENGINEER
E	LON BURDY	M.S.	M. SHINE
F	11825		
G	DEPUTY COMM. DATE 6-2-71		



INSTALLATION OF SERVICE EQUIPMENT ON C.E. CO. WOOD POLES

CITY OF CHICAGO
 DEPT. OF STREETS AND SANITATION
 BUREAU OF ELECTRICITY
 DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
E. LEMASTER	J. BORE	J. BORE
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.:	
S.W. BERTRAM		
ENGINEER OF ELECTRICITY:		DWG. NO.
GEN'L. SUPT. OF ELECTRICITY:		11925
DEPUTY COMMISSIONER:		
DATE: 12-26-56		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL			
SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION			
DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.:	DEO SHEET NO.	SHEET NUMBER	
860001.2127A		TS38	
DATE:			
#SUB. DATE			
DSGN	DRAWN	CHECK	
EAJ	FPB	GMZ	
			SHEET 88 OF 137

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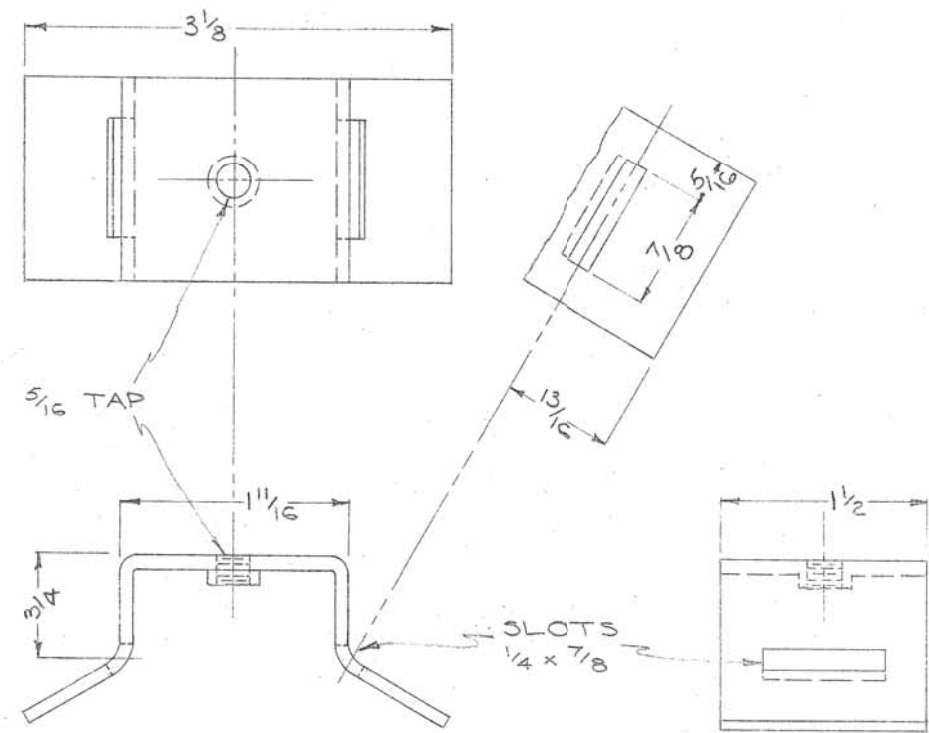
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

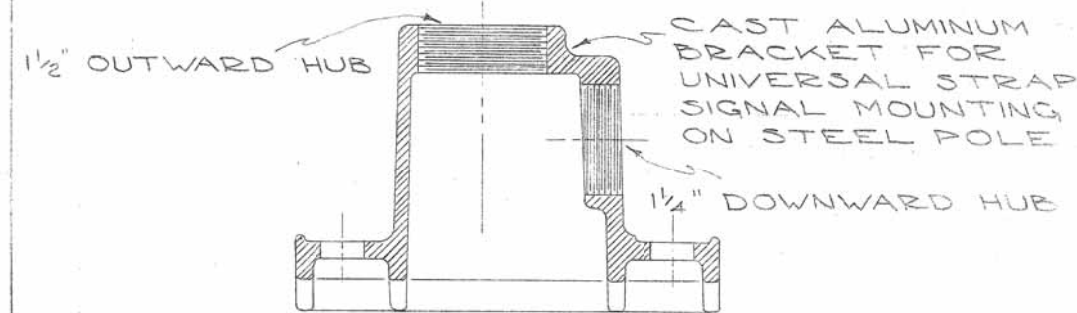
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	88
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

BANDING FITTING FOR POLE MOUNTING JUNCTION BOX



MATERIAL: STAINLESS STEEL - 4 1/8 x 1 1/2 x 3/32

BANDING FITTING FOR POLE MOUNTING SIGNALS



MATERIAL: CAST ALUMINUM

CROUSE HINDS
TL-3301-WITHOUT DOWNWARD HUB
TL-3302 WITH 1/4" DOWNWARD HUB

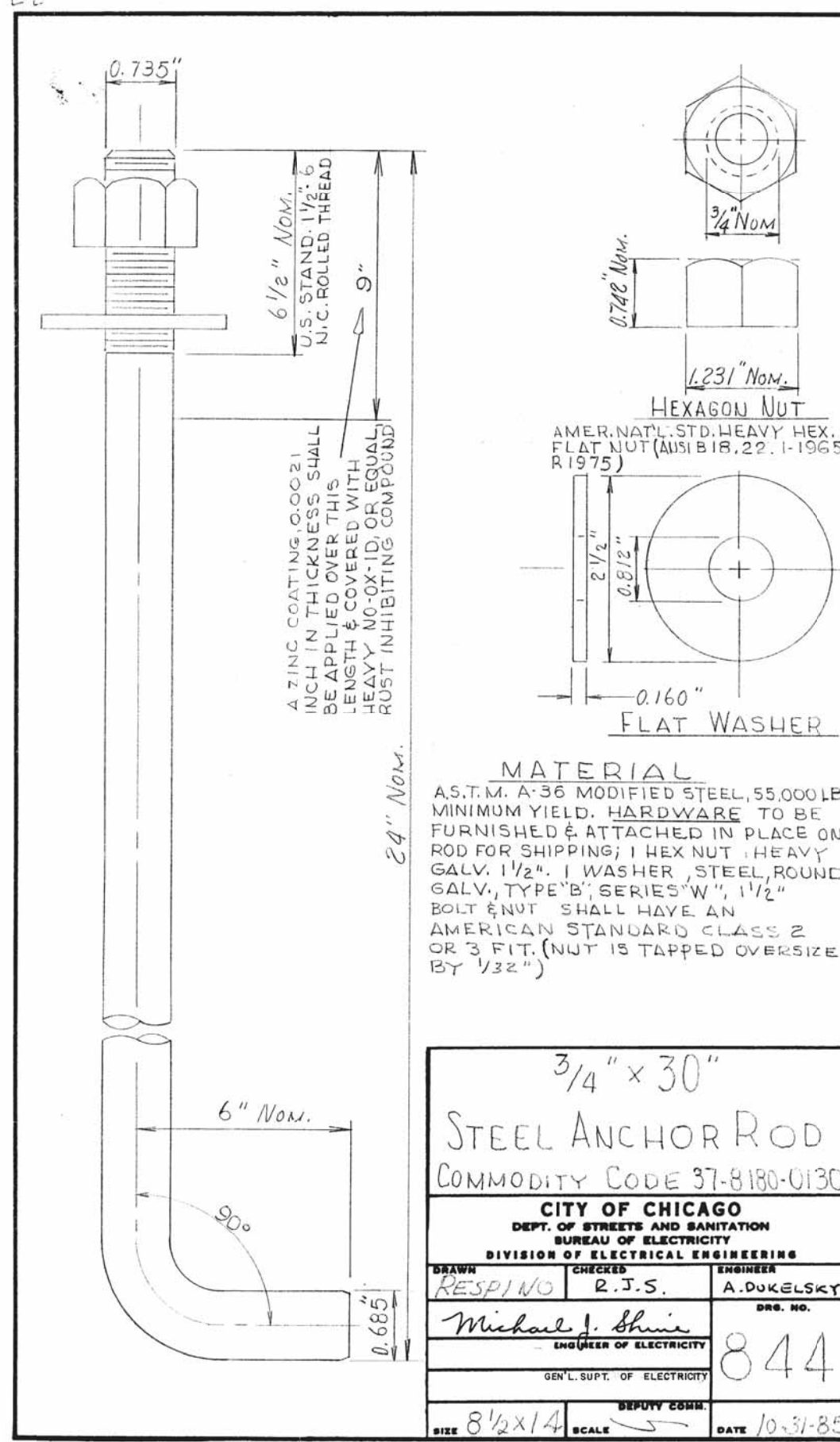
BANDING FITTINGS FOR POLE MOUNTING TRAFFIC SIGNAL

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

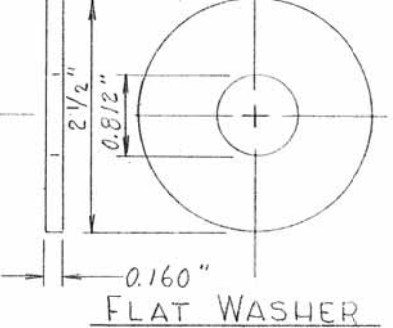
DESIGNED BY: S. NEFTI
CHECKED BY: [Signature]
ENG. IN CHARGE: [Signature]
DATE: 11-14-87

11984

DEPUTY COMM. [Signature]



HEXAGON NUT
AMER. NAT'L. STD. HEAVY HEX. FLAT NUT (ANSI B18.22.1-1965, R1975)



MATERIAL
A.S.T.M. A-36 MODIFIED STEEL, 55,000 LBS. MINIMUM YIELD. HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING; 1 HEX NUT HEAVY GALV. 1 1/2". 1 WASHER, STEEL, ROUND GALV., TYPE "B", SERIES "W", 1 1/2" BOLT & NUT SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT. (NUT IS TAPPED OVERSIZE BY 1/32")

3/4" x 30"
STEEL ANCHOR ROD
COMMODITY CODE 37-8180-0130

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN RESPIRO	CHECKED R.J.S.	ENGINEER A. DUKELSKY
Michael J. Shrie ENGINEER OF ELECTRICITY		DRG. NO. 844
GEN'L. SUPT. OF ELECTRICITY		DATE 10-31-85
SIZE 8 1/2 x 14	SCALE	DEPUTY COMM.

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>			
NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS39	
DATE: #SUB. DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
SHEET 89 OF 137			

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Default	PLOT DATE = 4/26/2022	CHECKED -	REVISED -
		DATE -	REVISED -

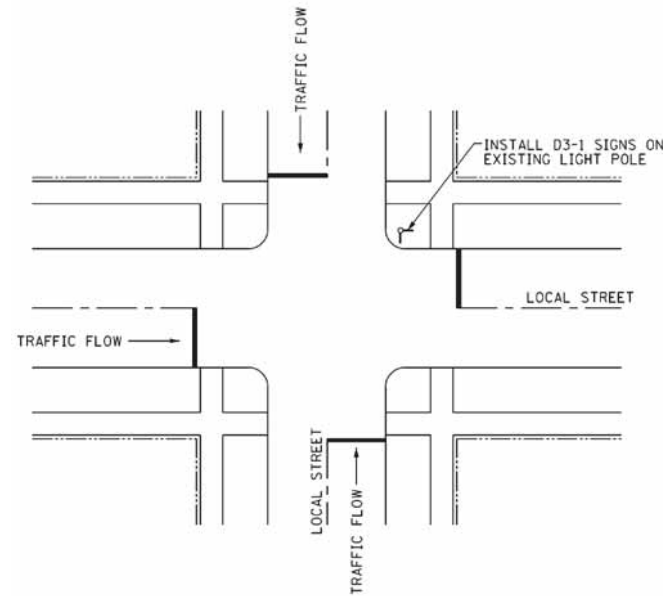
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	89
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

**GUIDE SIGNS
STREET NAME LOCATION AT UNSIGNALIZED
INTERSECTION OF TWO LOCAL STREETS**

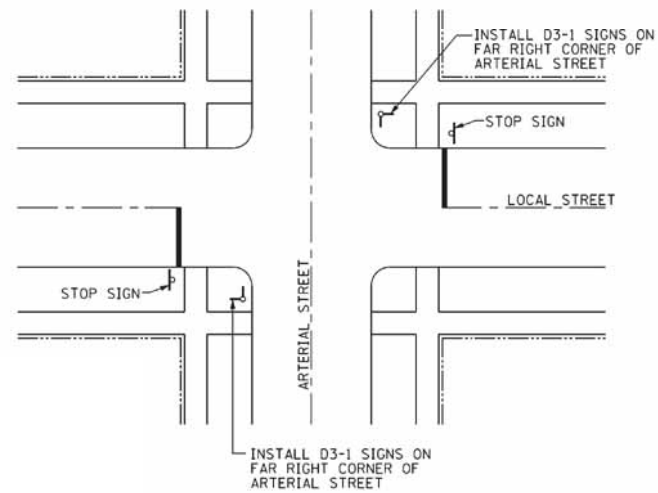


NOTES:

1. WHEN NO EXISTING LIGHT POLES ARE LOCATED AT INTERSECTION, INSTALL SIGNS ON NORTHEAST CORNER OR ABOVE STOP SIGNS.
2. WHEN MORE THAN ONE LIGHT POLE IS LOCATED AT INTERSECTION, INSTALL SIGNS ON ONE POLE USING ORDER OF PREFERENCE SHOWN BELOW.
 - (1) NORTHEAST CORNER
 - (2) NORTHWEST CORNER
 - (3) SOUTHEAST CORNER
 - (4) SOUTHWEST CORNER

TYPICAL LAYOUT
NOT TO SCALE

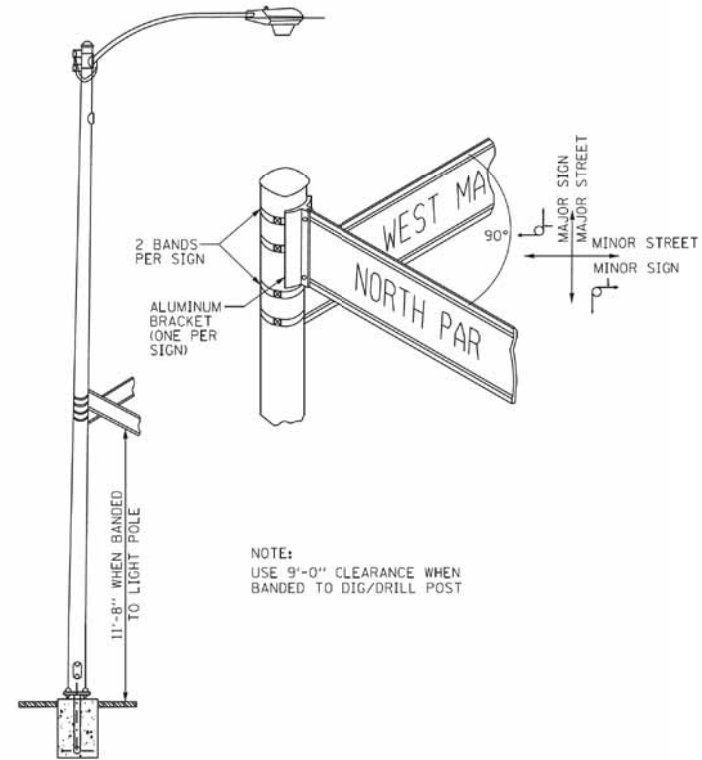
**GUIDE SIGNS
STREET NAME LOCATION AT UNSIGNALIZED
INTERSECTION OF LOCAL STREET
AND ARTERIAL STREET**



NOTES:

1. SIGNS SHOULD BE BANDED TO EXISTING LIGHT POLES WHENEVER POSSIBLE.
2. SIGNS MAY BE MOVED TO NEAR RIGHT CORNER TO AVOID INSTALLATION OF ADDITIONAL SIGN POLE.

TYPICAL LAYOUT
NOT TO SCALE



NOTE:
USE 9'-0" CLEARANCE WHEN BANDED TO DIG/DRILL POST

D3-1 SIGN ASSEMBLY
NOT TO SCALE

DATE	REVISION	CITY OF CHICAGO	
		D3-1 STREET NAME SIGN INSTALLATION	
		DATE	DRAWN BY
		12/21/2020	

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS

**DES PLAINES RIVER TRAIL
SEGMENT 2**

CDOT STANDARDS

CITY OF CHICAGO

**DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT**

PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS40
DATE: #SUB_DATE		
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
SHEET 90 OF 137		

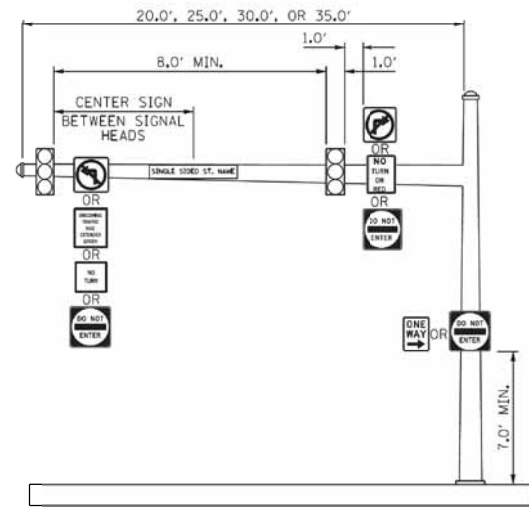
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Default	PLOT SCALE = 1'	CHECKED -	REVISED -
	PLOT DATE = 4/26/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

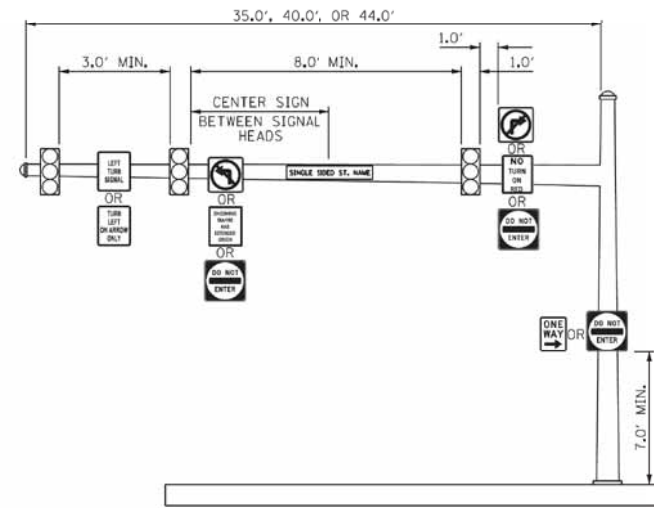
CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	90
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

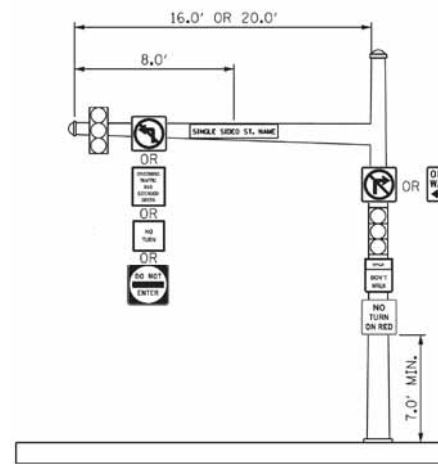


MAST ARM WITH TWO SIGNALS
NOT TO SCALE

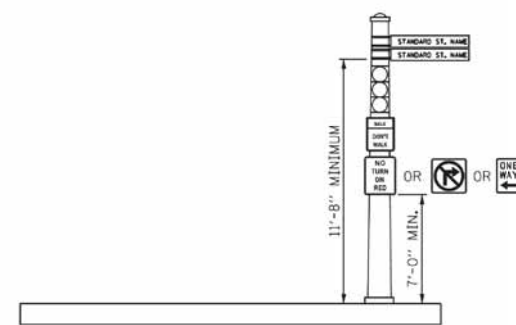


MAST ARM WITH THREE SIGNALS
NOT TO SCALE

NOTES:
SIGNS INSTALLED ON SIGNAL POLES
(2) OR (3) 18" OR 24" EXTRUDED ALUMINUM CHANNELS
5/16" BOLTS
(2) TO (3) "C" CLAMP BRACKETS
(2) HEAVY GAUGE BANDING STRAPS WITH BUTTERFLY CLIPS



MAST ARM WITH ONE SIGNAL
NOT TO SCALE



TYPICAL LAYOUT
NOT TO SCALE

DATE		REVISION	CITY OF CHICAGO	
			REGULATORY SIGN INSTALLATION ON TRAFFIC SIGNALS	
			DATE	DRAWN BY
			12/21/2020	

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION
REVISIONS			
DES PLAINES RIVER TRAIL SEGMENT 2			
CDOT STANDARDS			
CITY OF CHICAGO			
DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT			
PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER TS41	
DATE: #SUB_DATE	DSGN	DRAWN	CHECK
EAJ	FPB	GMZ	
			SHEET 91 OF 137

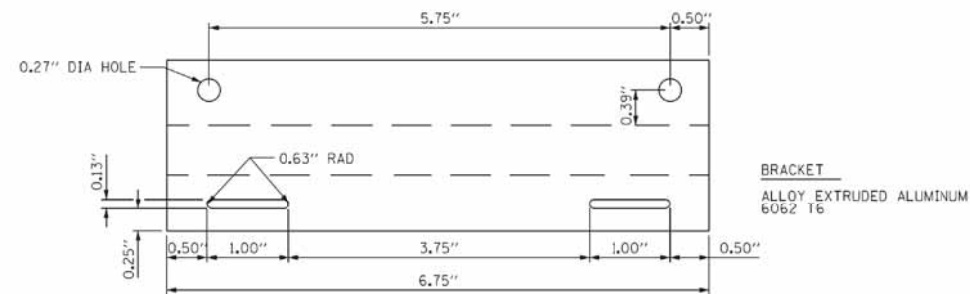
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

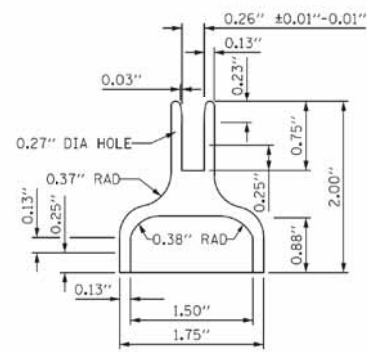
CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	91
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



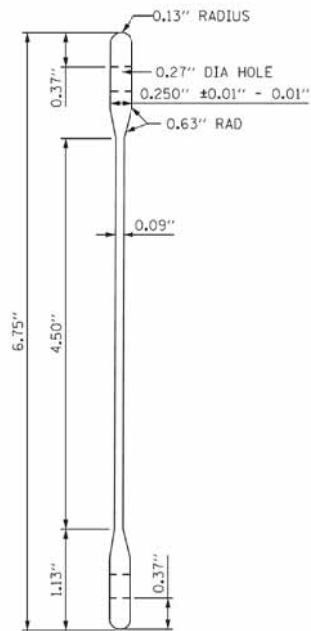
SIDE VIEW
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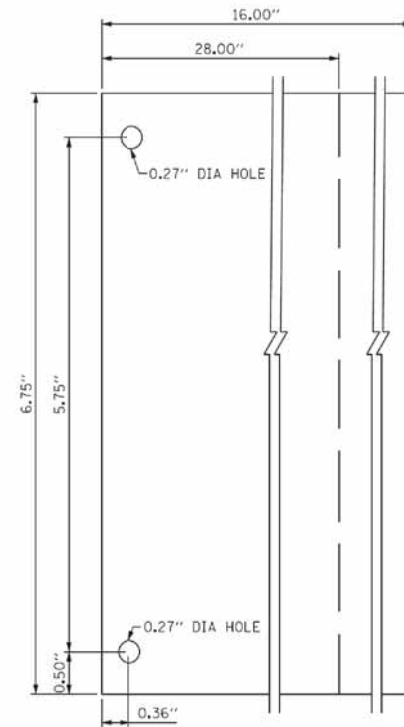
FRONT VIEW
NOT TO SCALE

SN-2 STREET NAME SIGN BRACKET
NOT TO SCALE

BRACKET
ALLOY EXTRUDED ALUMINUM
6062 T6



FRONT VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE

SIGN BLANK
ALLOY EXTRUDED ALUMINUM
6062 T6

SN-1 STREET NAME SIGN PANEL
NOT TO SCALE

DATE	REVISION	CITY OF CHICAGO	
		D3-1 SIGN AND BRACKET SPECS	
		DATE	DRAWN BY
		12/21/2020	

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Rosemont, Illinois 60018
(847) 823-0500

NO.	BY	DATE	DESCRIPTION

REVISIONS

DES PLAINES RIVER TRAIL
SEGMENT 2

CDOT STANDARDS

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

PROJECT NO.: 860001.2127A	DEO SHEET NO.	SHEET NUMBER
DATE: #SUB_DATE		TS42
DSGN	DRAWN	CHECK
EAJ	FPB	GMZ
SHEET 92 OF 137		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	92
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

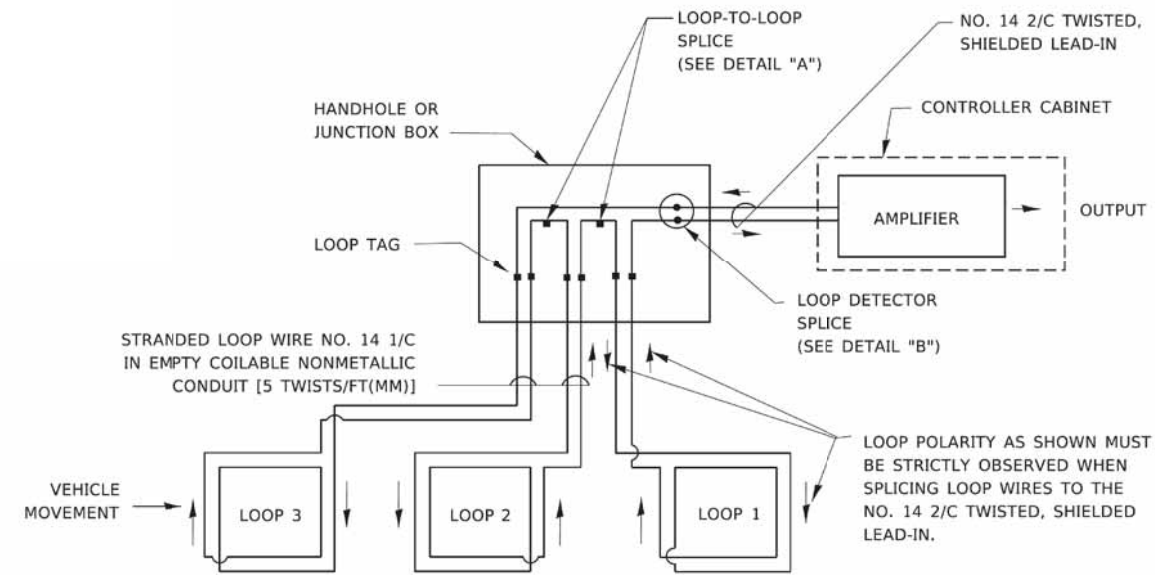
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

PW/CCT/02

4/26/2022

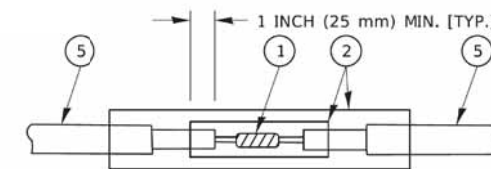
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

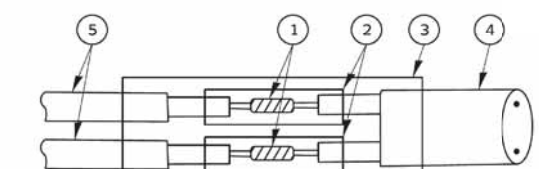


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

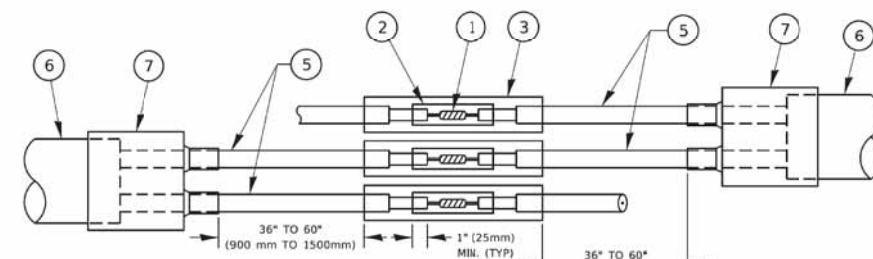


DETAIL "A"
LOOP-TO-LOOP SPLICE

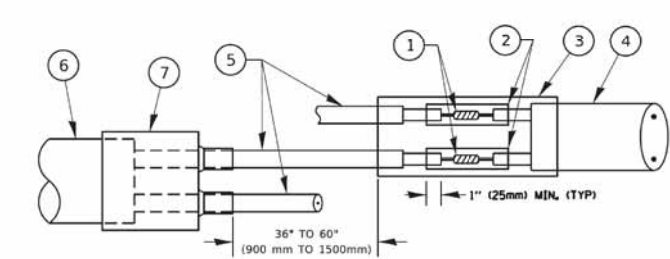


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



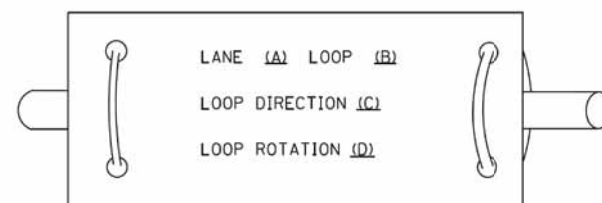
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

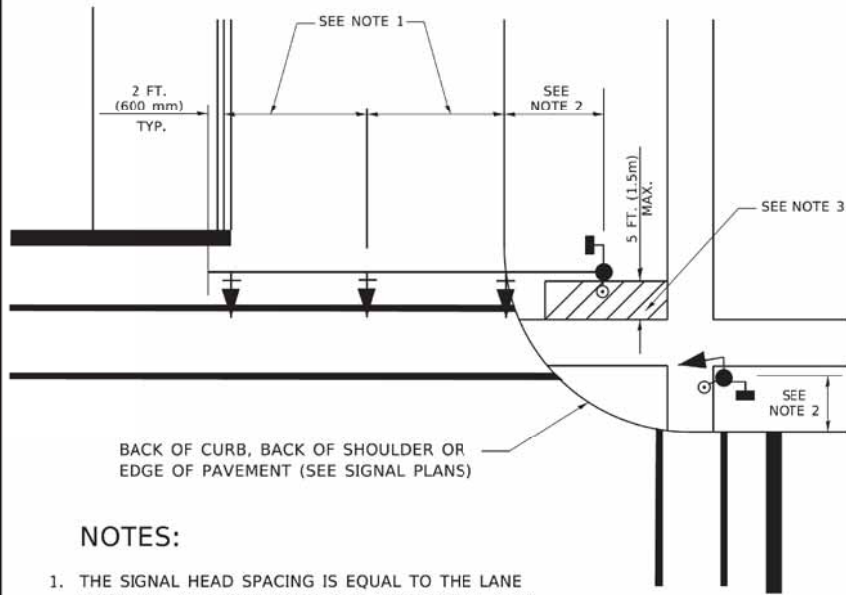
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	94
TS-05			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

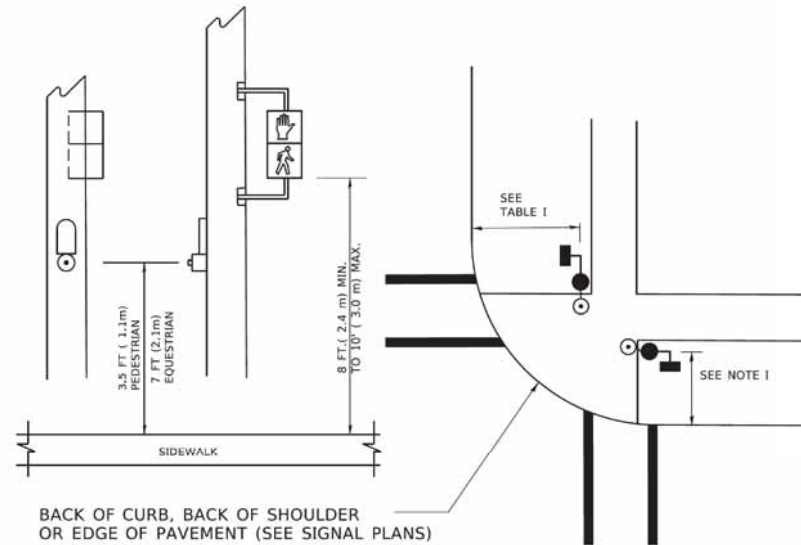
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

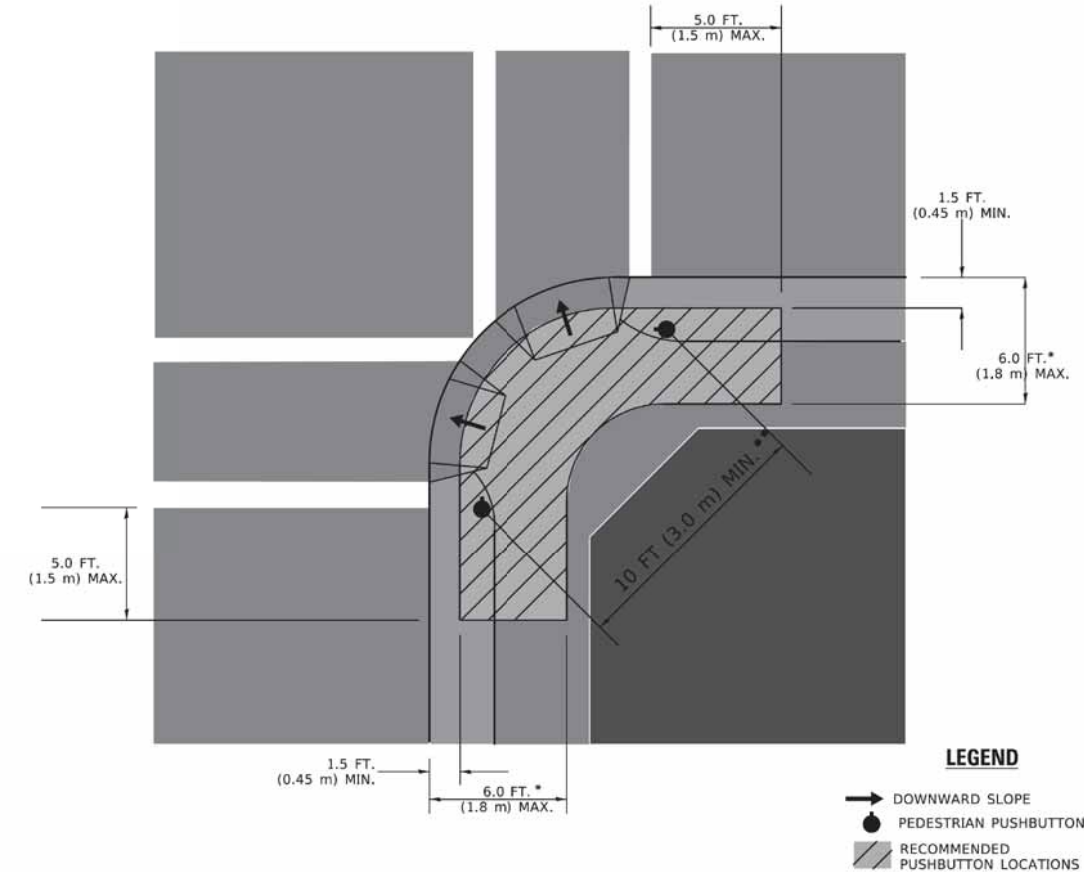
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

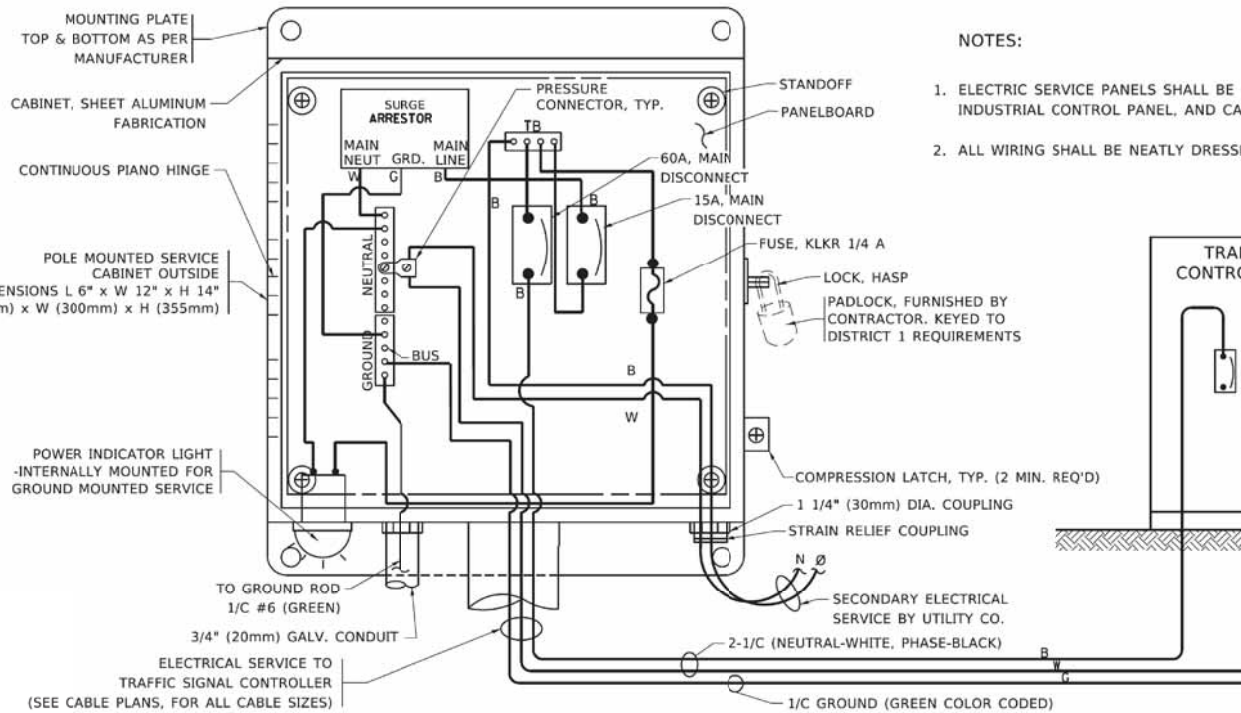
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

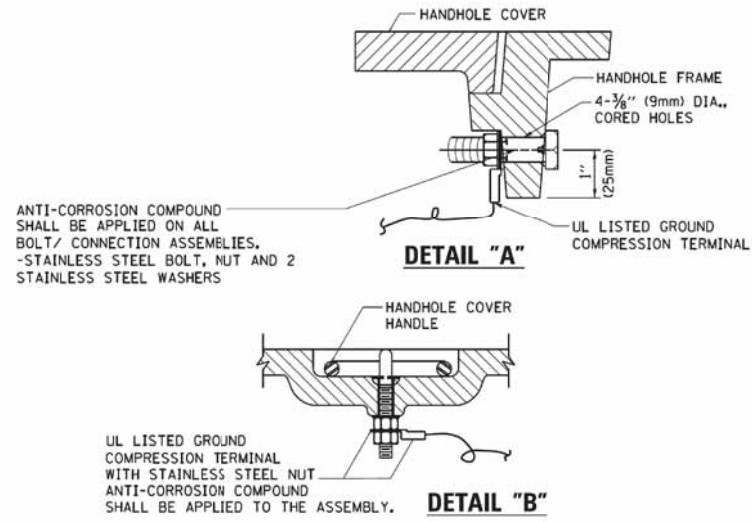
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05		CONTRACT NO. 61H78	
		ILLINOIS	FED. AID PROJECT	

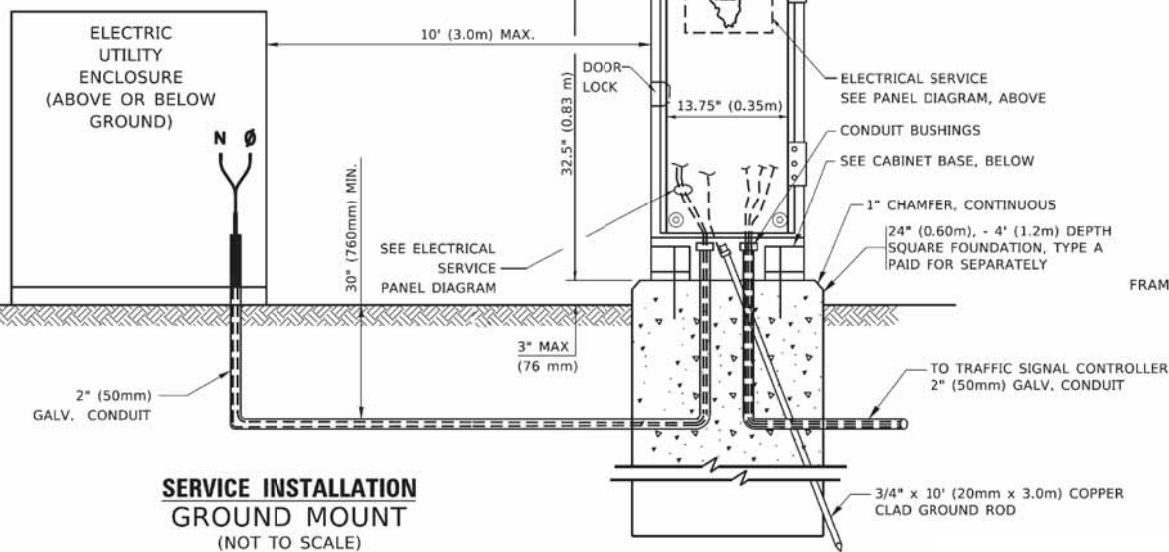


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

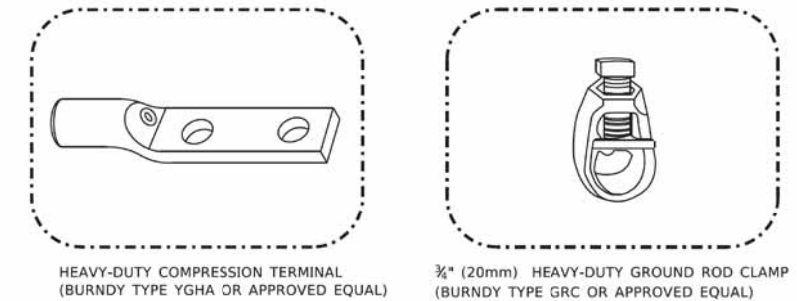
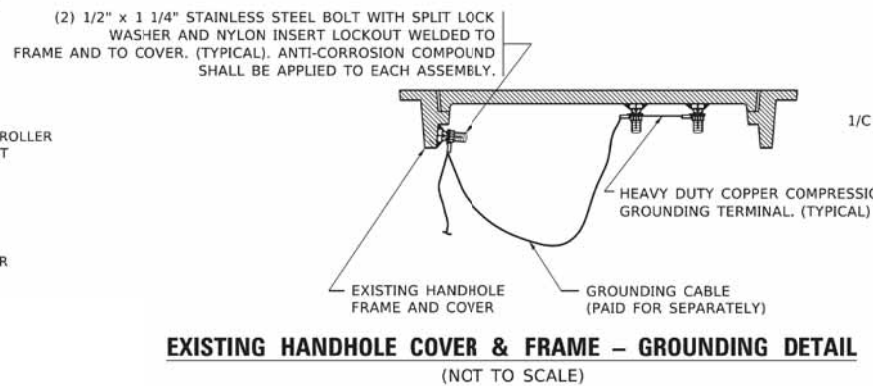
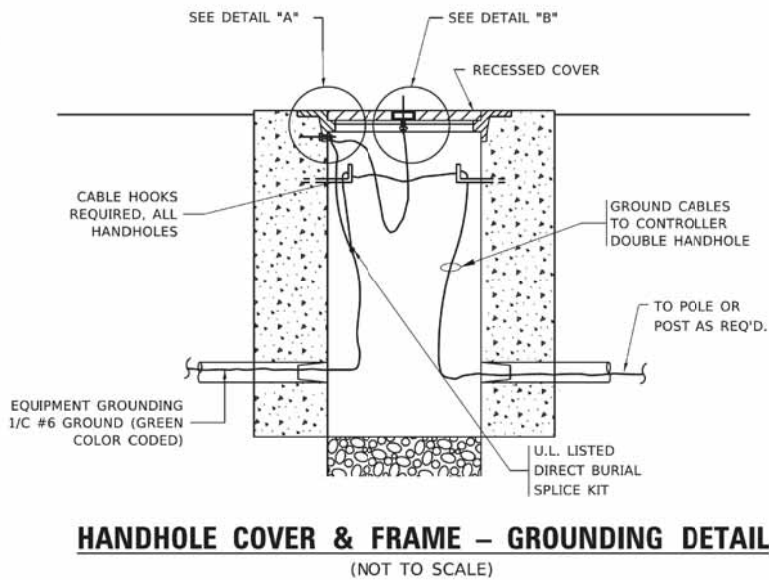
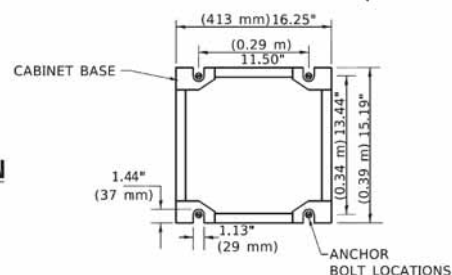


NOTES:
GROUNDING SYSTEM

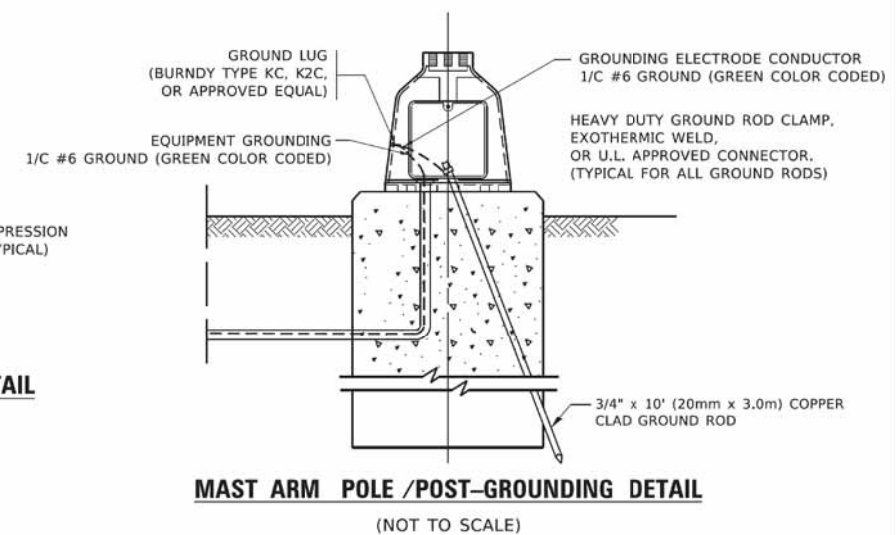
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



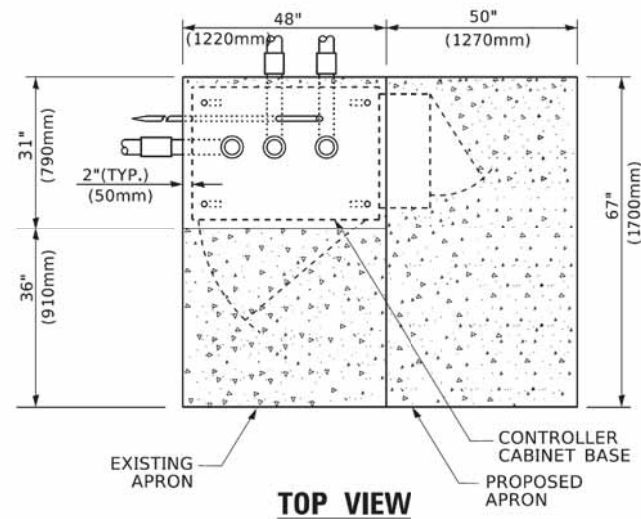
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PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

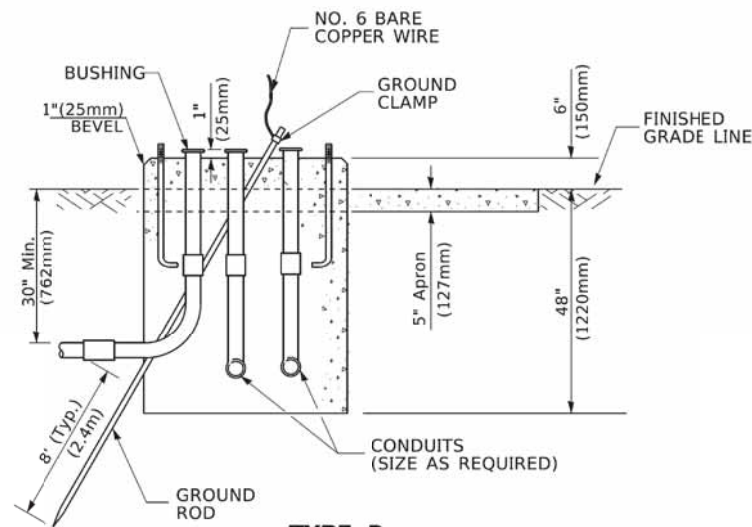
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STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

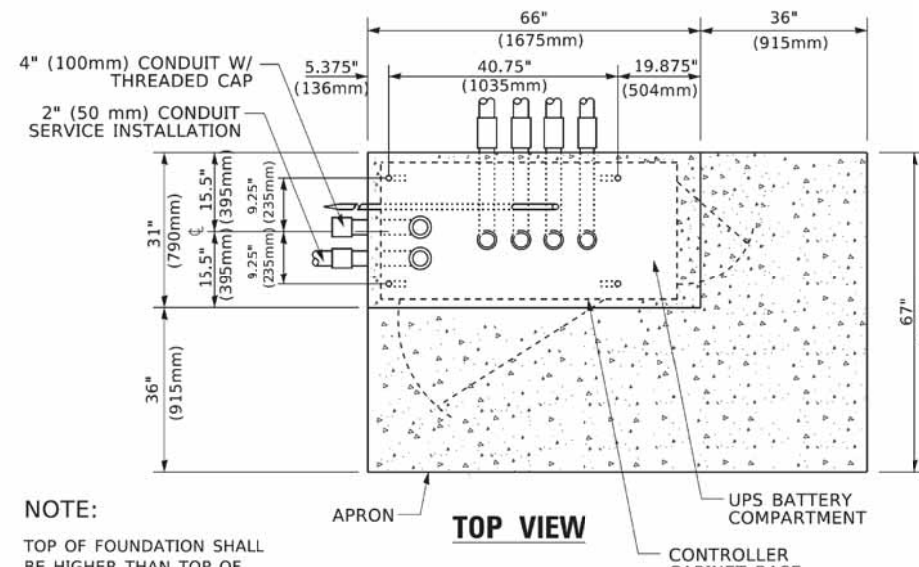
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	96
TS-05		CONTRACT NO. 61H78		
ILLINOIS FED. AID PROJECT				



TOP VIEW



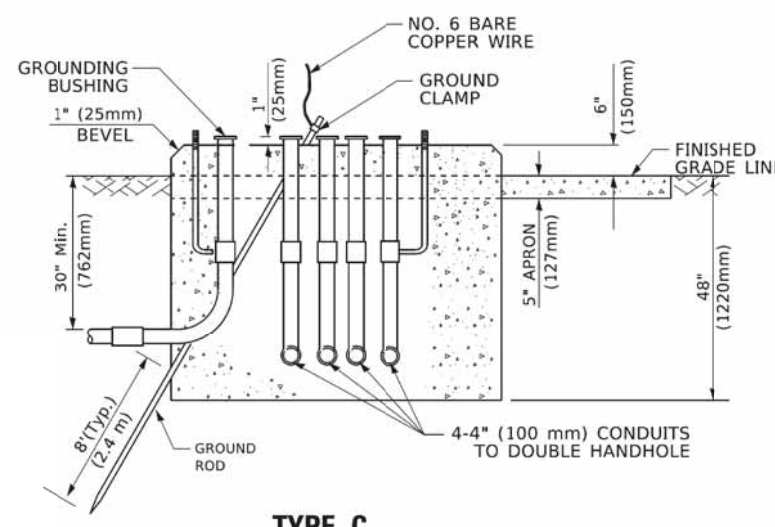
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



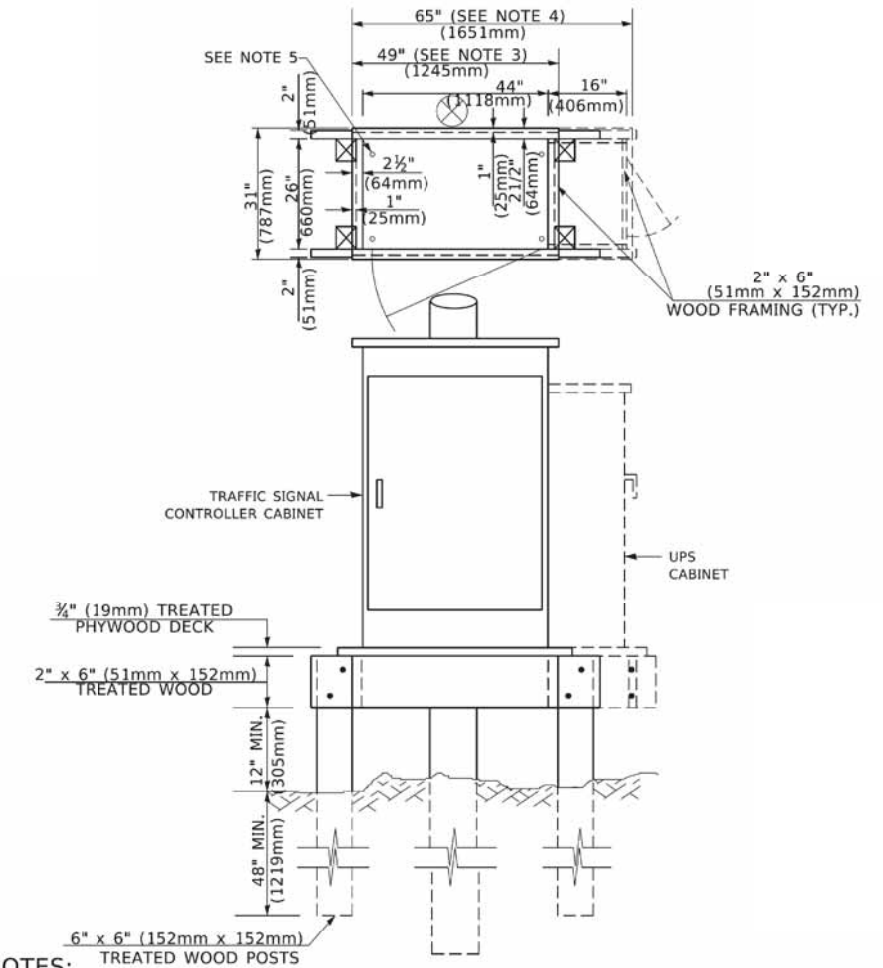
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

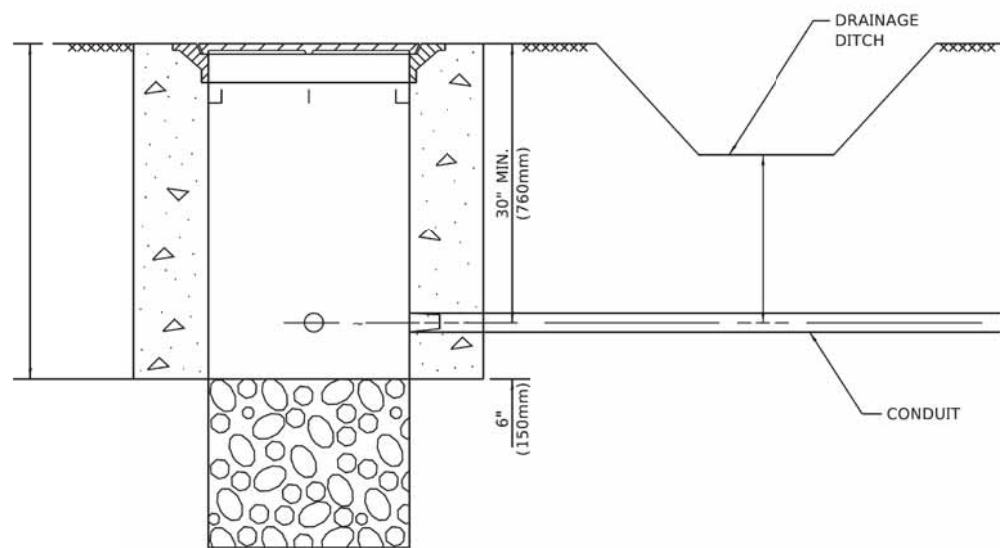
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4/26/2022

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

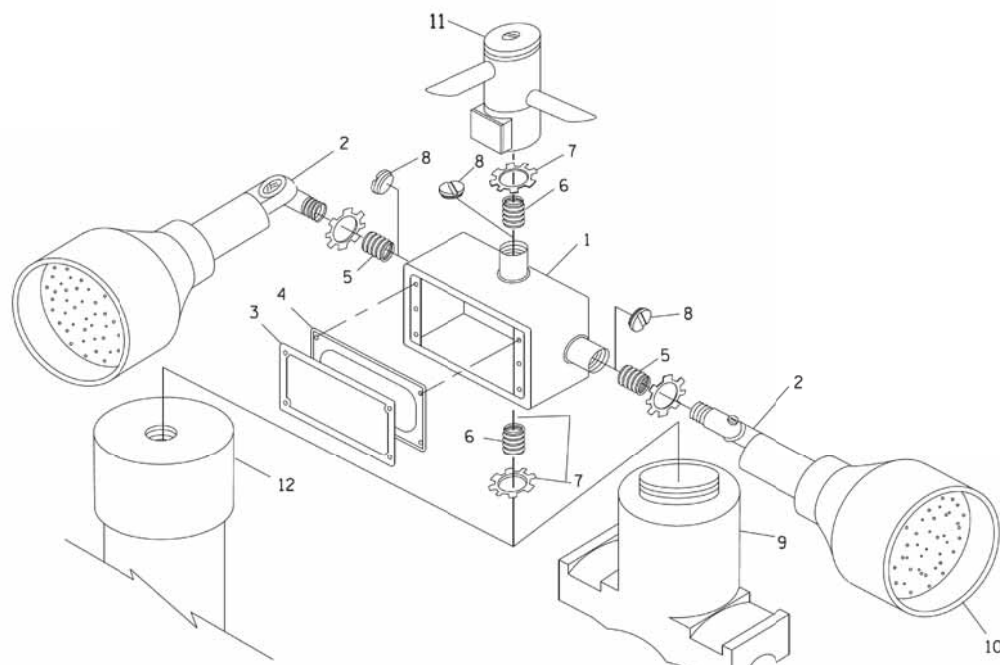
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STANDARD TRAFFIC SIGNAL DESIGN DETAILS			17-00034-00-BT	COOK	137	97
SCALE: NONE		SHEET 5 OF 7 SHEETS		STA. TO STA.	CONTRACT NO. 61H78	
		ILLINOIS		FED. AID PROJECT		



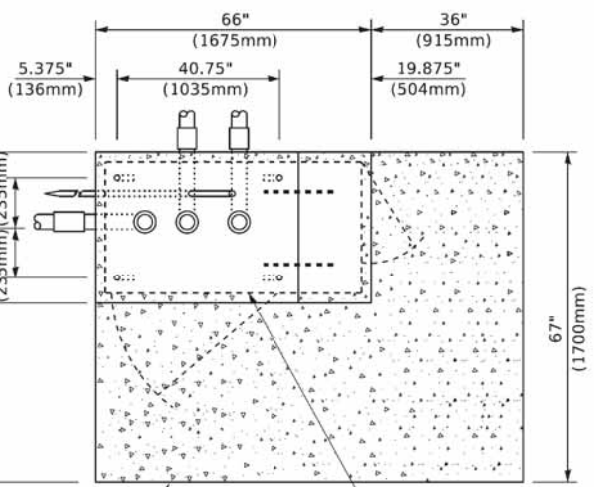
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

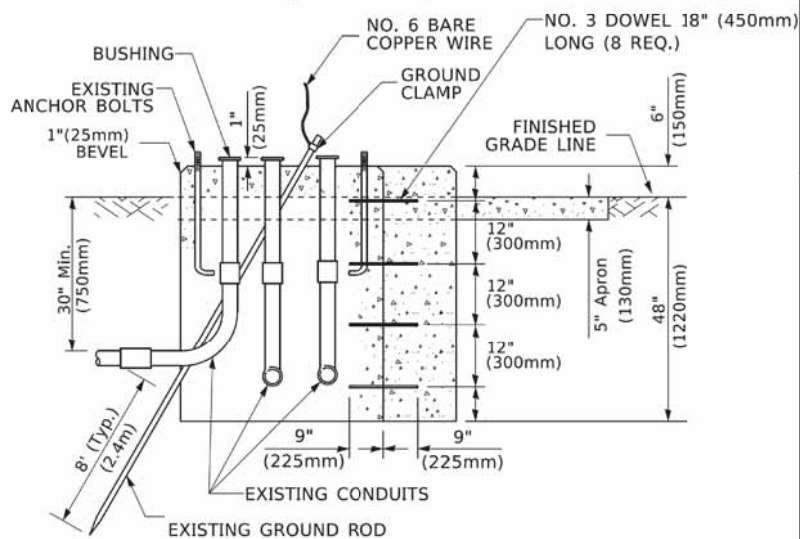
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)



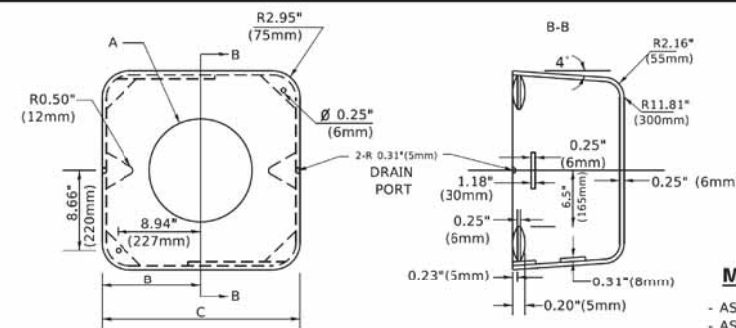
MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION

(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

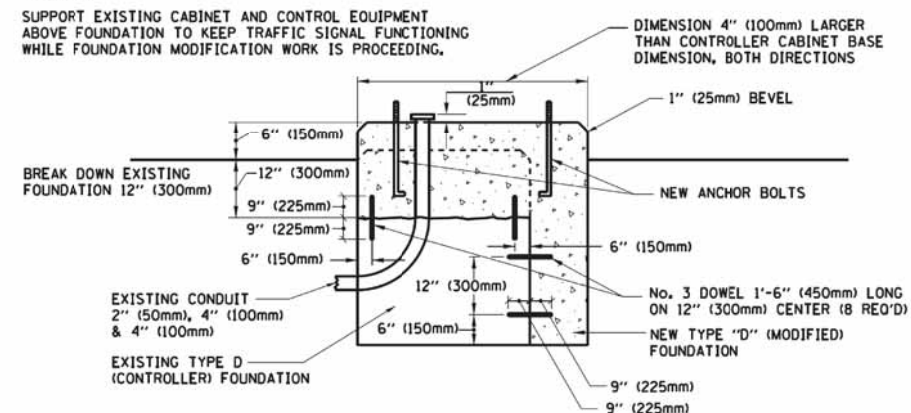
SHROUD

NOTES:

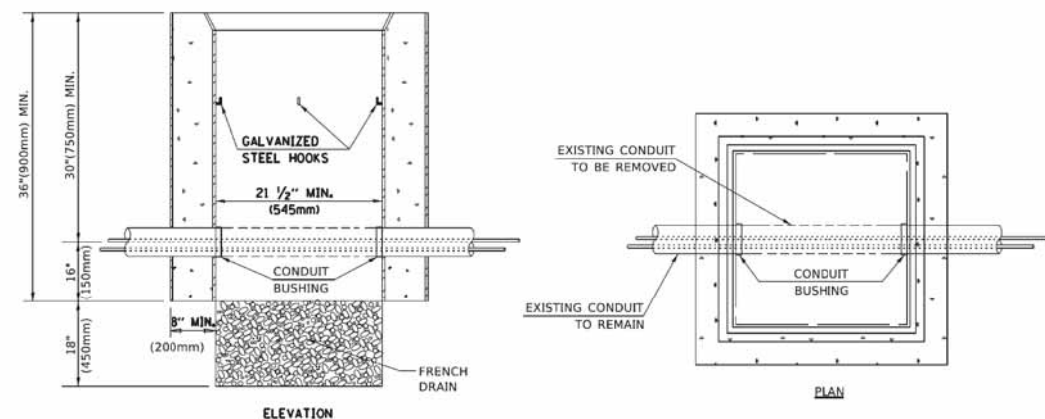
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

RW/CT/CR

4/26/2022

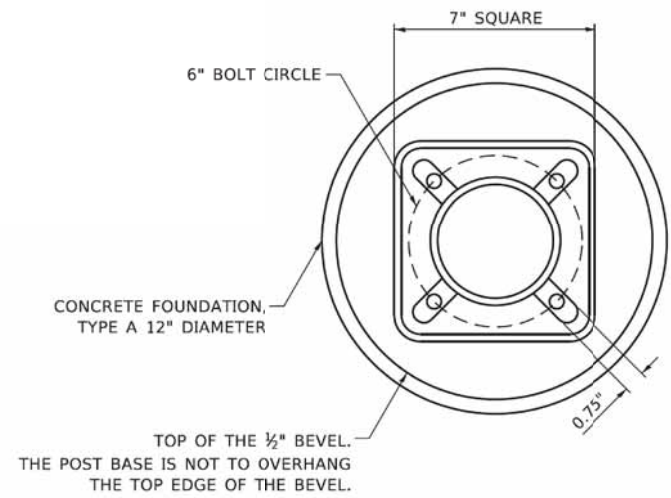
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

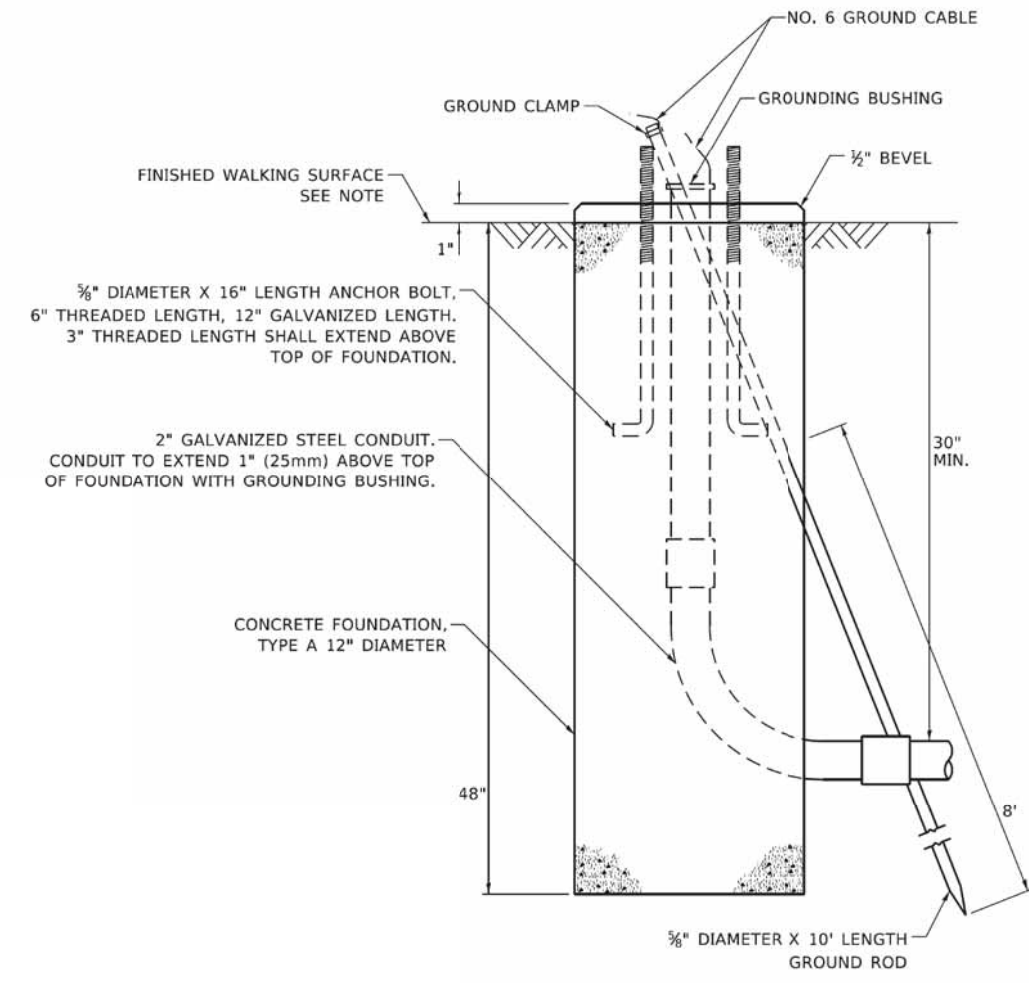
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05			CONTRACT NO. 61H78
		ILLINOIS	FED. AID PROJECT	

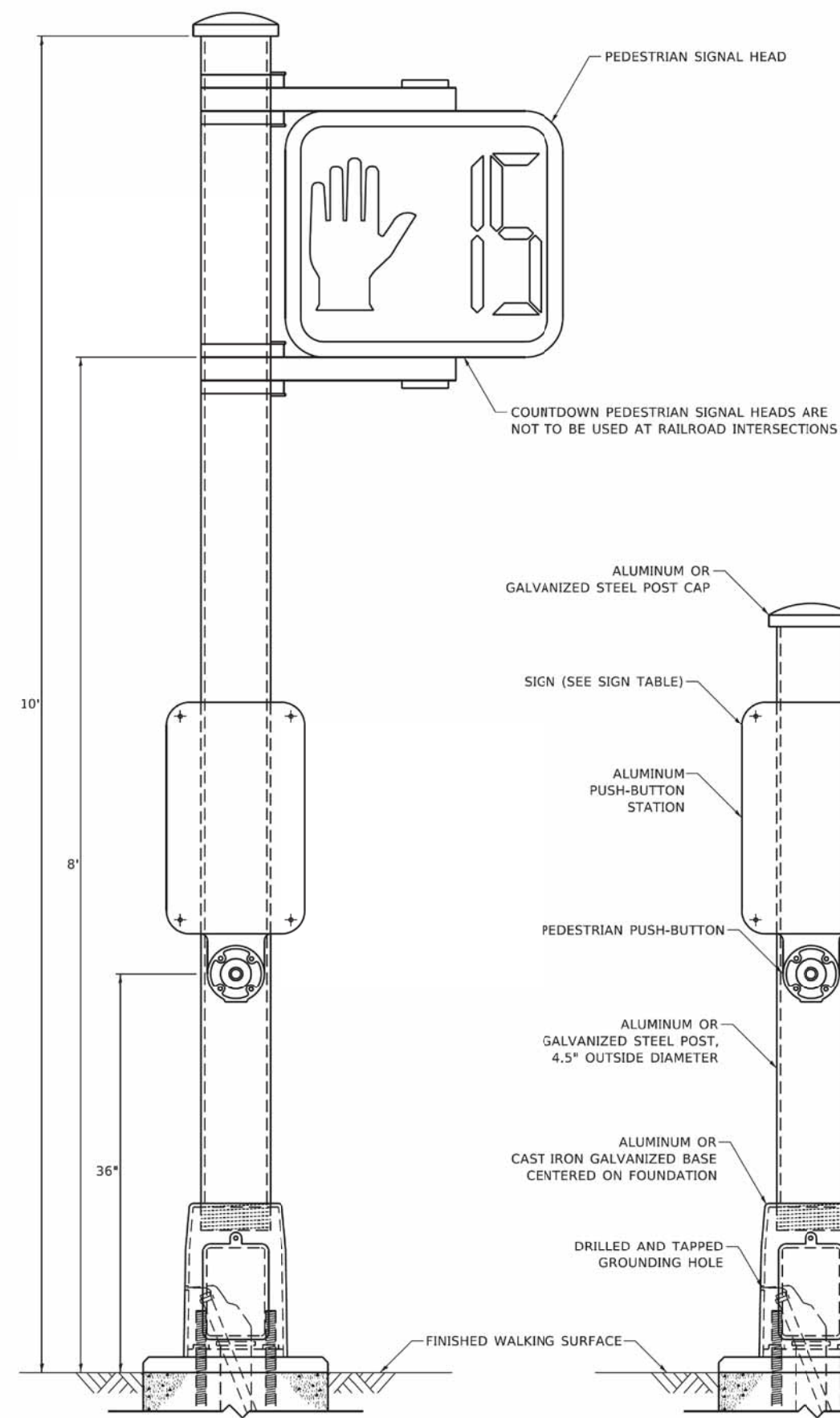


BOLT PATTERN

NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

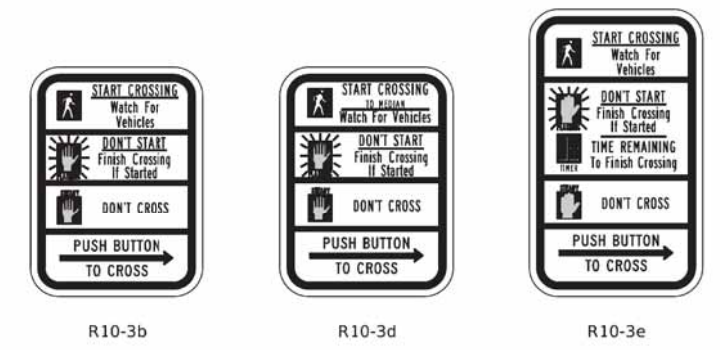


**CONCRETE FOUNDATION,
 TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

DRAWN: JPC	USER NAME = plascencal	DESIGNED - IP	REVISED - 10/15/2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE - 10/15/2018	REVISED -	SCALE: NTS		SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

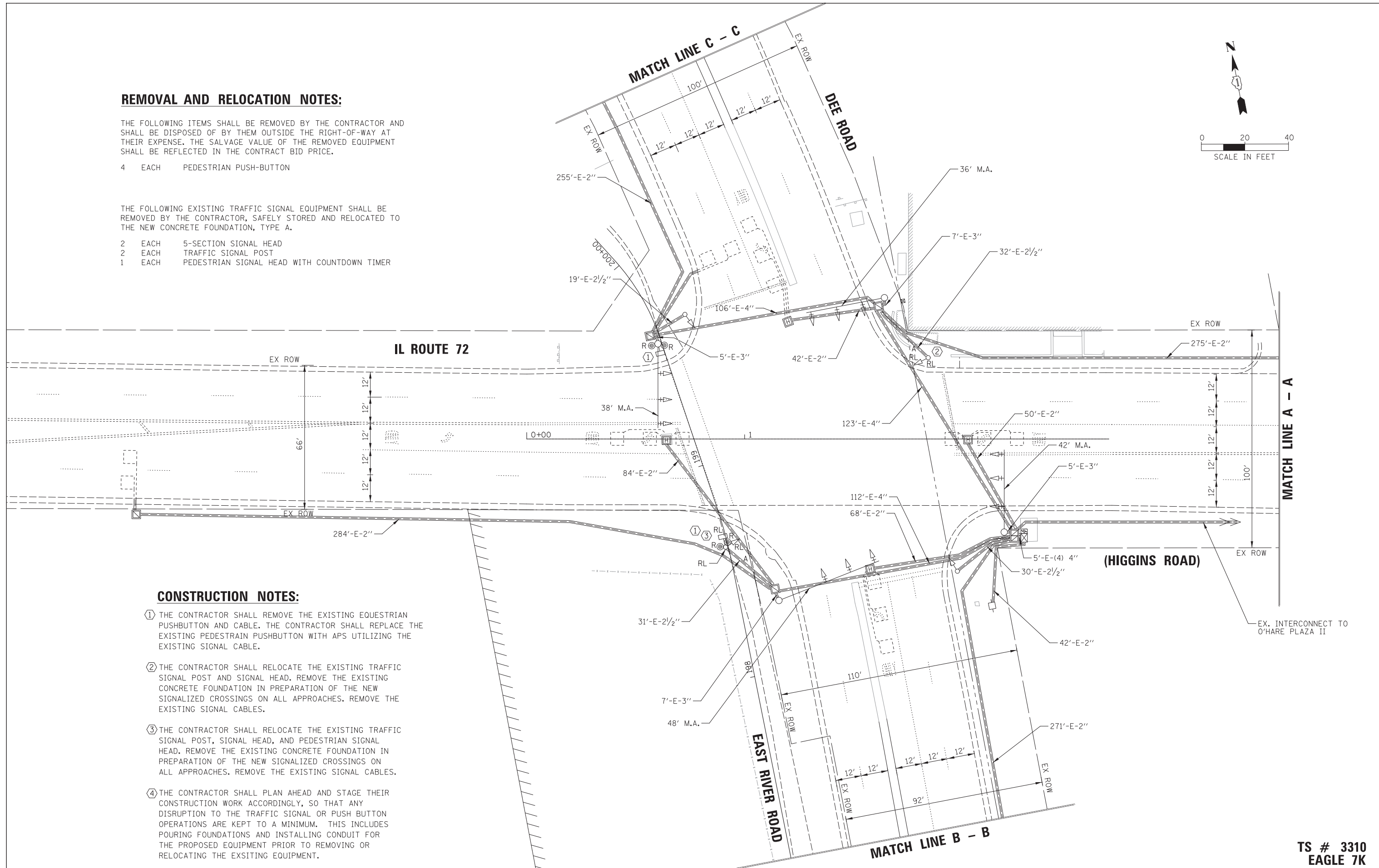
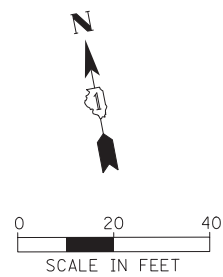
- 4 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE NEW CONCRETE FOUNDATION, TYPE A.

- 2 EACH 5-SECTION SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL POST
- 1 EACH PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING EQUESTRIAN PUSHBUTTON AND CABLE. THE CONTRACTOR SHALL REPLACE THE EXISTING PEDESTRIAN PUSHBUTTON WITH APS UTILIZING THE EXISTING SIGNAL CABLE.
- ② THE CONTRACTOR SHALL RELOCATE THE EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEAD. REMOVE THE EXISTING CONCRETE FOUNDATION IN PREPARATION OF THE NEW SIGNALIZED CROSSINGS ON ALL APPROACHES. REMOVE THE EXISTING SIGNAL CABLES.
- ③ THE CONTRACTOR SHALL RELOCATE THE EXISTING TRAFFIC SIGNAL POST, SIGNAL HEAD, AND PEDESTRIAN SIGNAL HEAD. REMOVE THE EXISTING CONCRETE FOUNDATION IN PREPARATION OF THE NEW SIGNALIZED CROSSINGS ON ALL APPROACHES. REMOVE THE EXISTING SIGNAL CABLES.
- ④ THE CONTRACTOR SHALL PLAN AHEAD AND STAGE THEIR CONSTRUCTION WORK ACCORDINGLY, SO THAT ANY DISRUPTION TO THE TRAFFIC SIGNAL OR PUSH BUTTON OPERATIONS ARE KEPT TO A MINIMUM. THIS INCLUDES POURING FOUNDATIONS AND INSTALLING CONDUIT FOR THE PROPOSED EQUIPMENT PRIOR TO REMOVING OR RELOCATING THE EXISTING EQUIPMENT.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

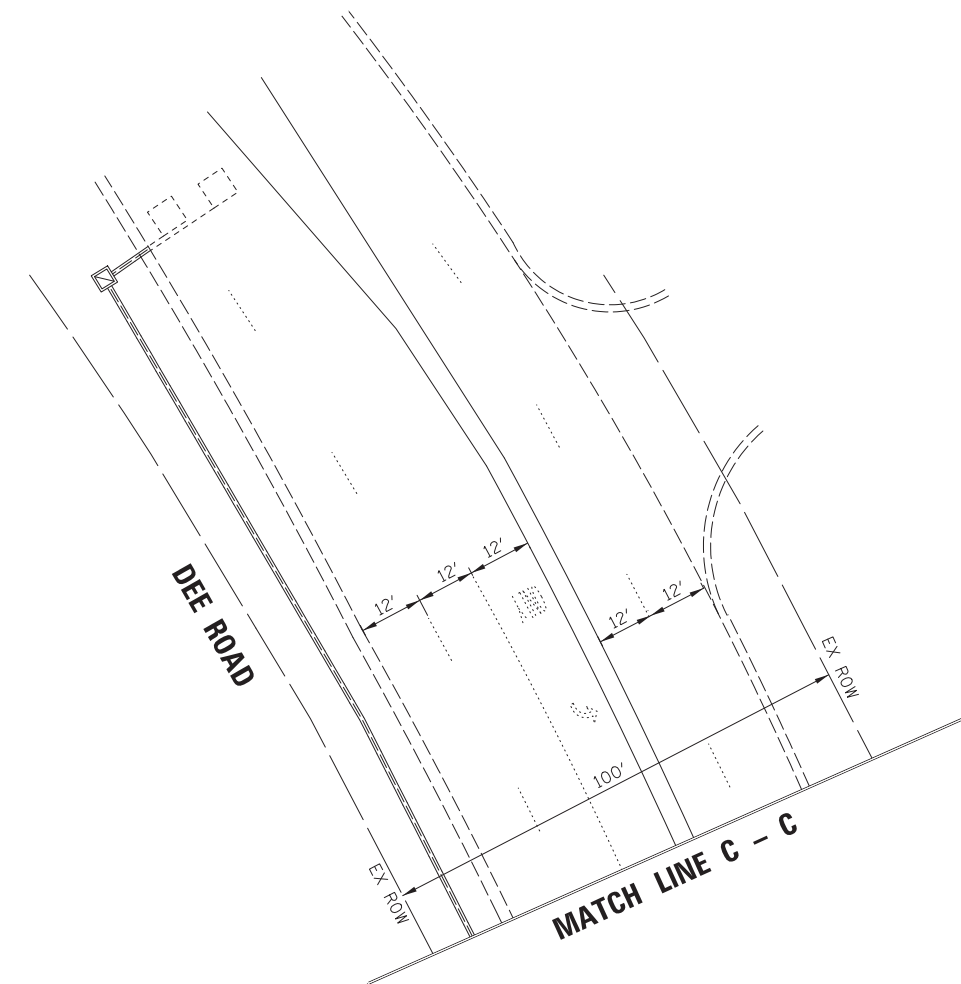
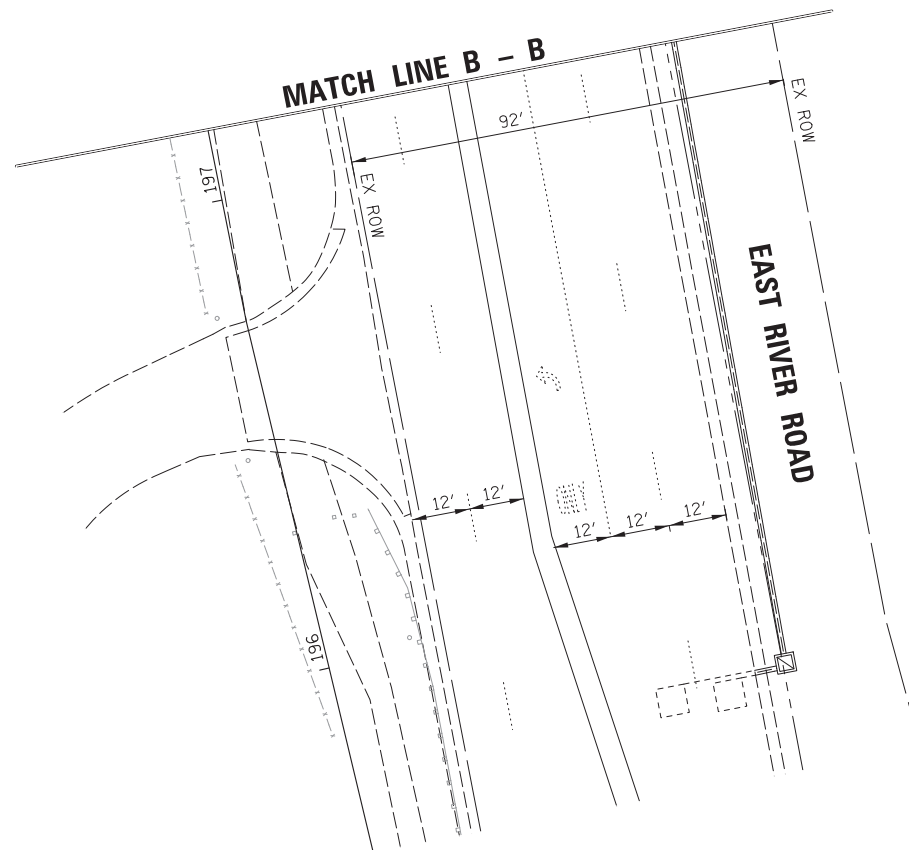
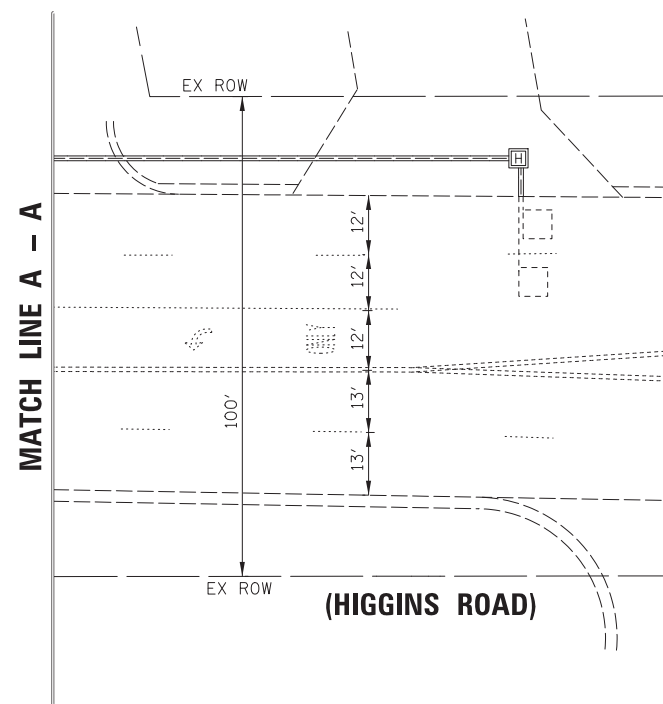
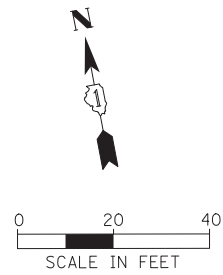
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
(SHEET 1 OF 2)
IL ROUTE 72 (HIGGINS ROAD) AND DEE ROAD

TS # 3310
EAGLE 7K

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	100
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H78	



TS # 3310
EAGLE 7K

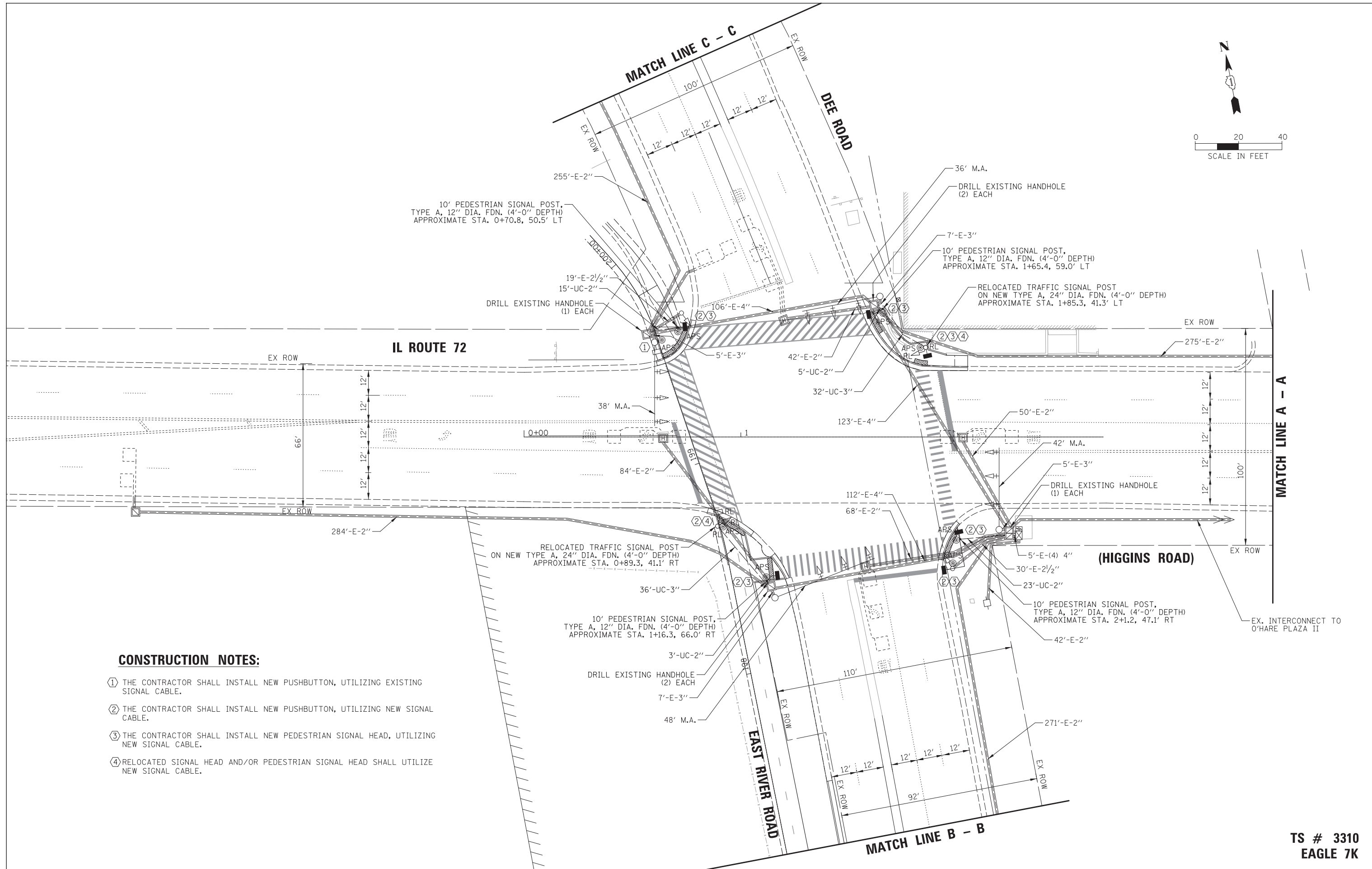
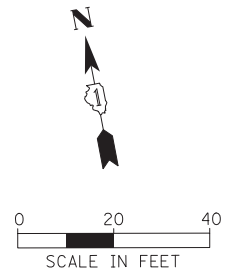
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
(SHEET 2 OF 2)
IL ROUTE 72 (HIGGINS ROAD) AND DEE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	101
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL NEW PUSHBUTTON, UTILIZING EXISTING SIGNAL CABLE.
- ② THE CONTRACTOR SHALL INSTALL NEW PUSHBUTTON, UTILIZING NEW SIGNAL CABLE.
- ③ THE CONTRACTOR SHALL INSTALL NEW PEDESTRIAN SIGNAL HEAD, UTILIZING NEW SIGNAL CABLE.
- ④ RELOCATED SIGNAL HEAD AND/OR PEDESTRIAN SIGNAL HEAD SHALL UTILIZE NEW SIGNAL CABLE.

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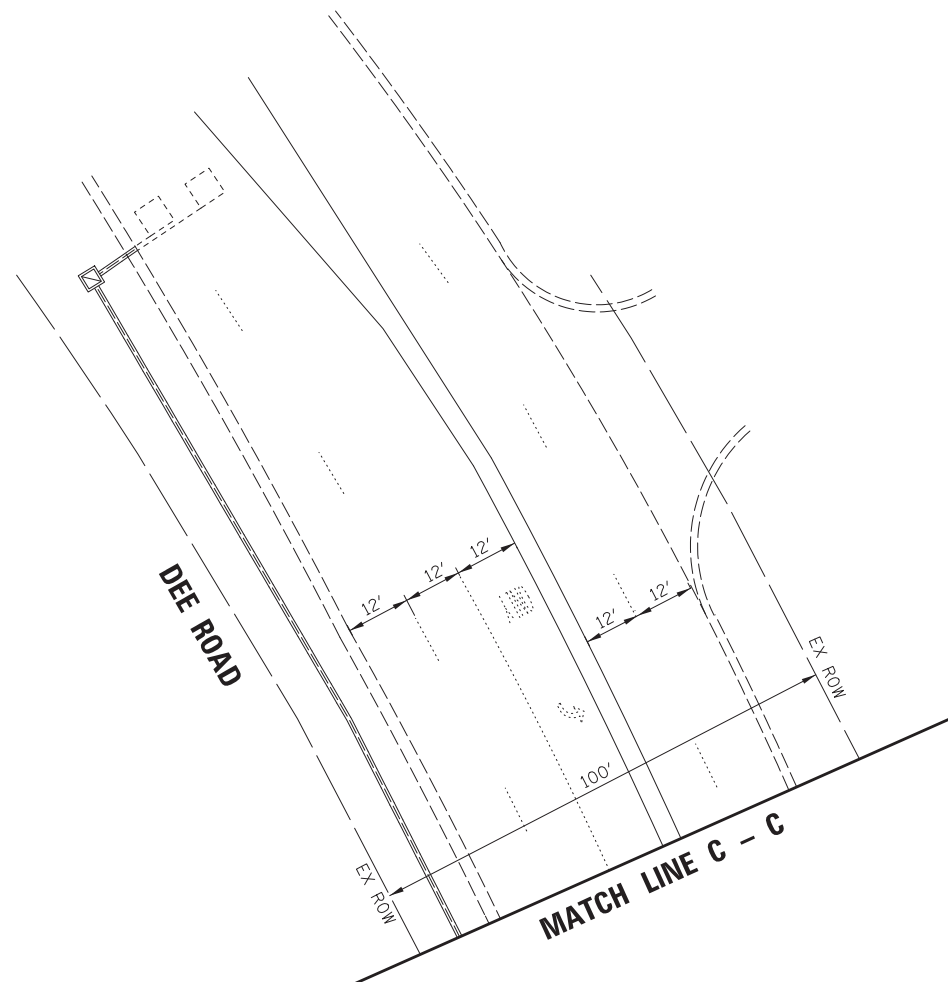
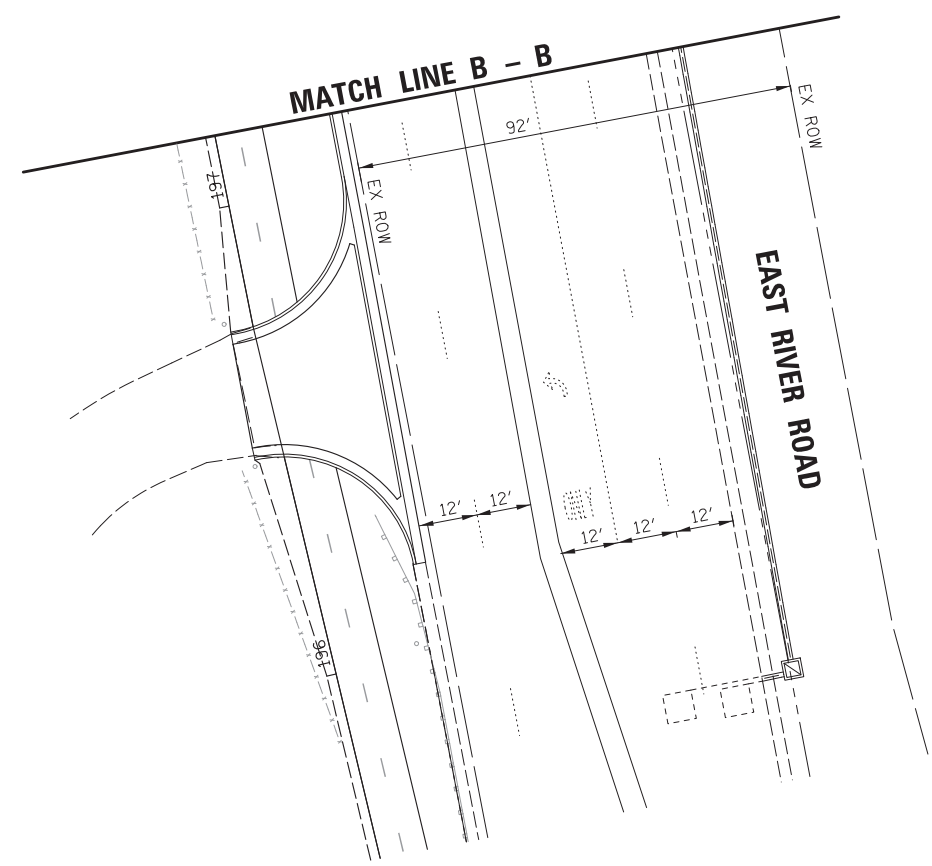
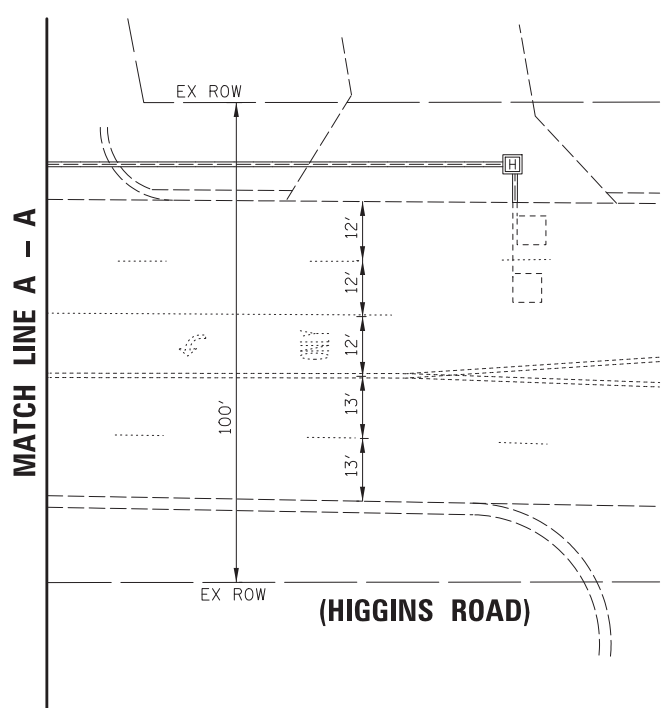
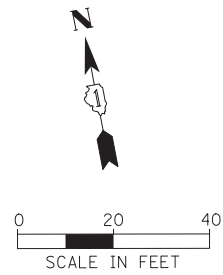
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
(SHEET 1 OF 2)
IL ROUTE 72 (HIGGINS ROAD) AND DEE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	102
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

**TS # 3310
EAGLE 7K**



**TS # 3310
EAGLE 7K**

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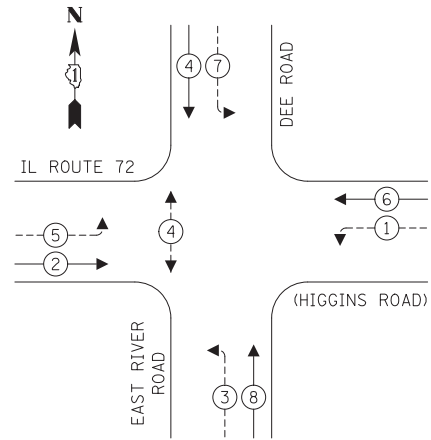
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
(SHEET 2 OF 2)
IL ROUTE 72 (HIGGINS ROAD) AND DEE ROAD**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	103
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

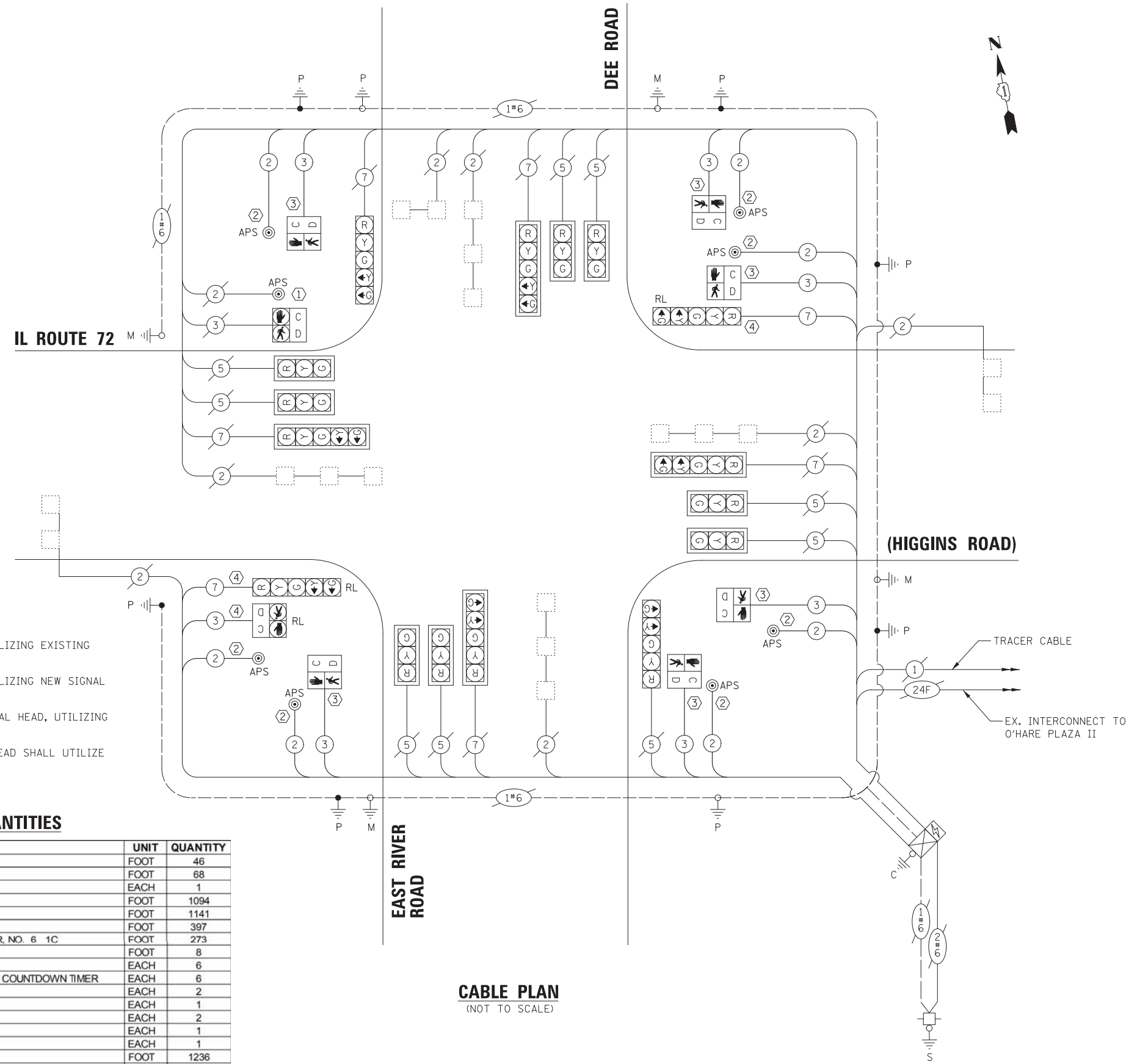
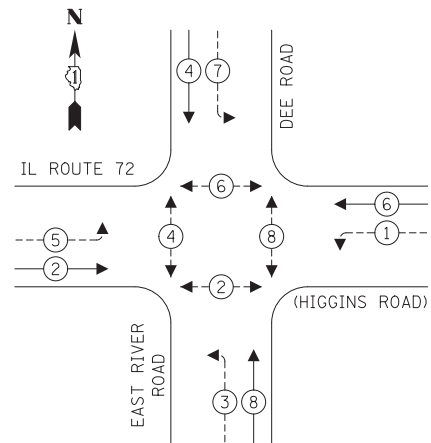
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← PEDESTRIAN PHASE
- ← (⊙) ← OVERLAP

PROPOSED CONTROLLER SEQUENCE



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL NEW PUSHBUTTON, UTILIZING EXISTING SIGNAL CABLE.
- ② THE CONTRACTOR SHALL INSTALL NEW PUSHBUTTON, UTILIZING NEW SIGNAL CABLE.
- ③ THE CONTRACTOR SHALL INSTALL NEW PEDESTRIAN SIGNAL HEAD, UTILIZING NEW SIGNAL CABLE.
- ④ RELOCATED SIGNAL HEAD AND/OR PEDESTRIAN SIGNAL HEAD SHALL UTILIZE NEW SIGNAL CABLE.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	46
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	68
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1094
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1141
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	397
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	273
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1236
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				491.4

ENERGY COSTS TO:
CITY OF PARK RIDGE
505 BUTLER PLACE
PARK RIDGE, IL 60068

ENERGY SUPPLY: CONTACT: COMED
PHONE: COMED
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: METERED 07070-24075

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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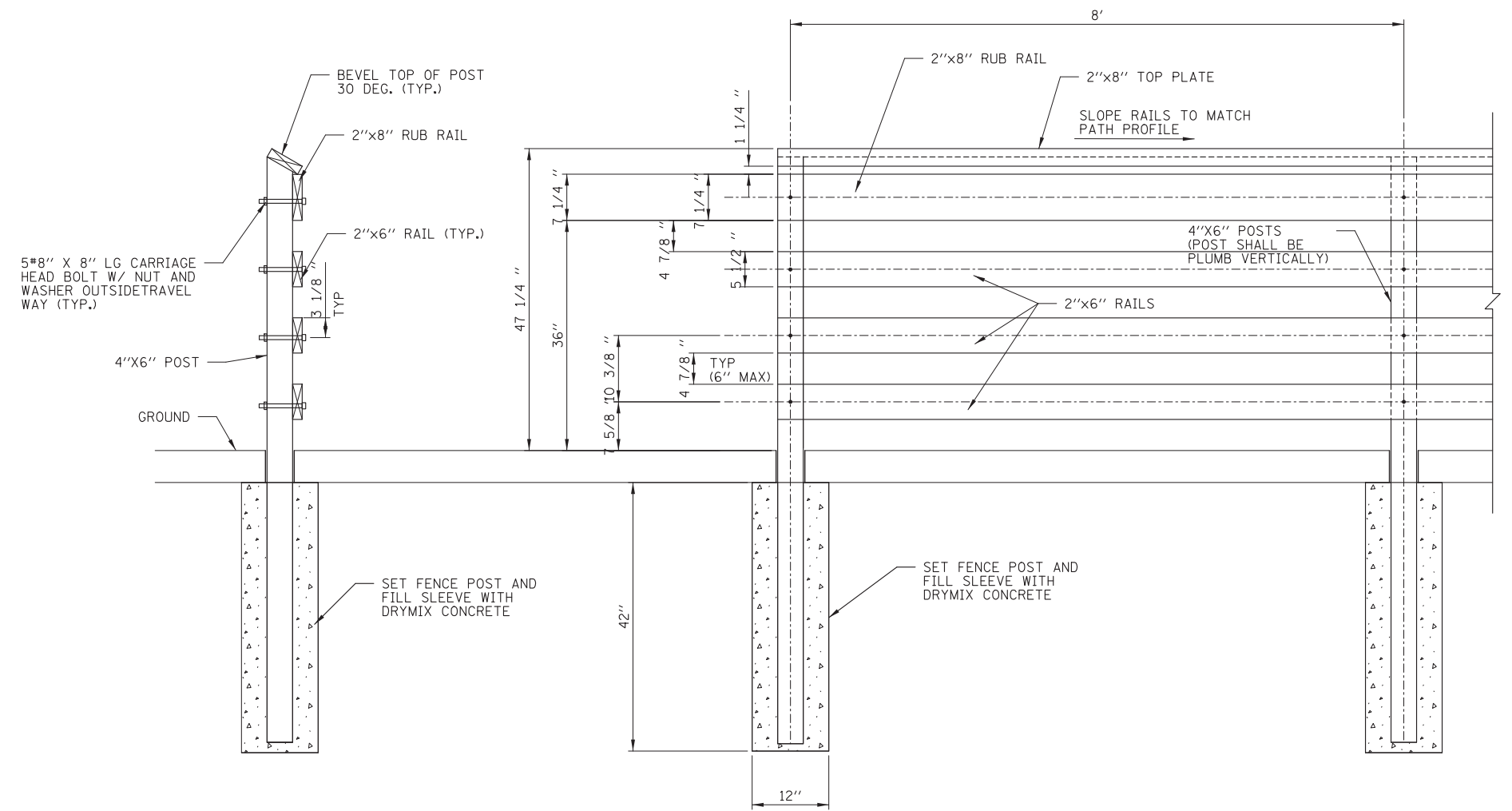
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM
IL ROUTE 72 (HIGGINS ROAD) AND DEE ROAD

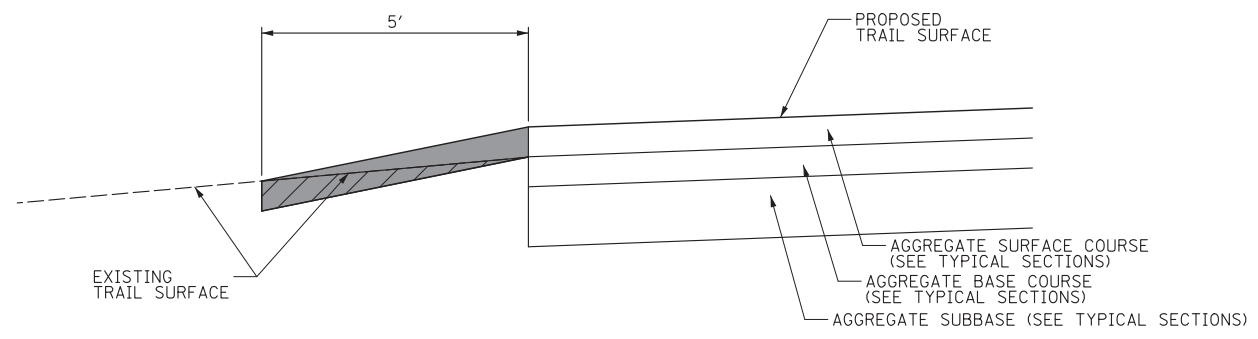
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	137	104
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

TS # 3310
EAGLE 7K

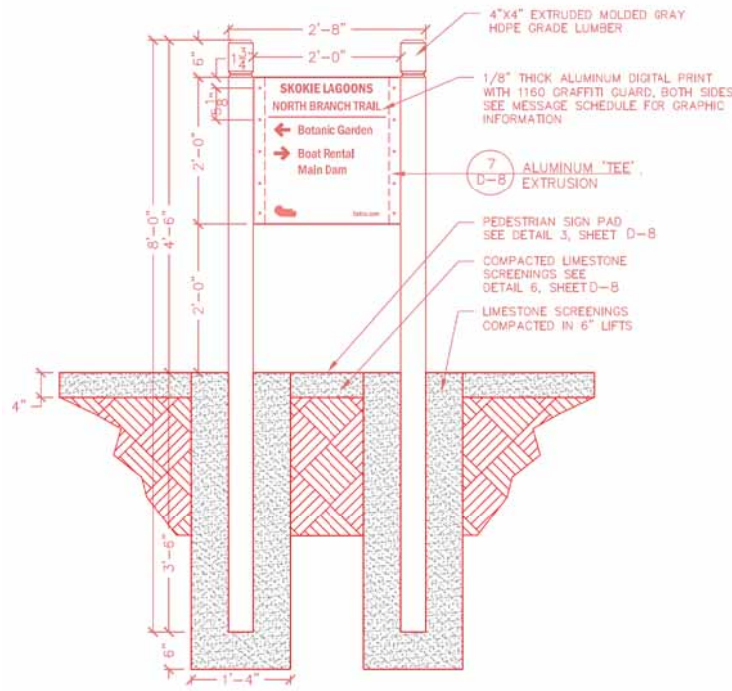


SAFETY FENCE

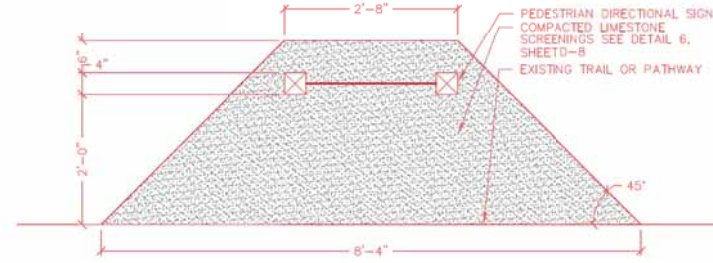


**TRANSITION
AT ENDS OF TRAIL**

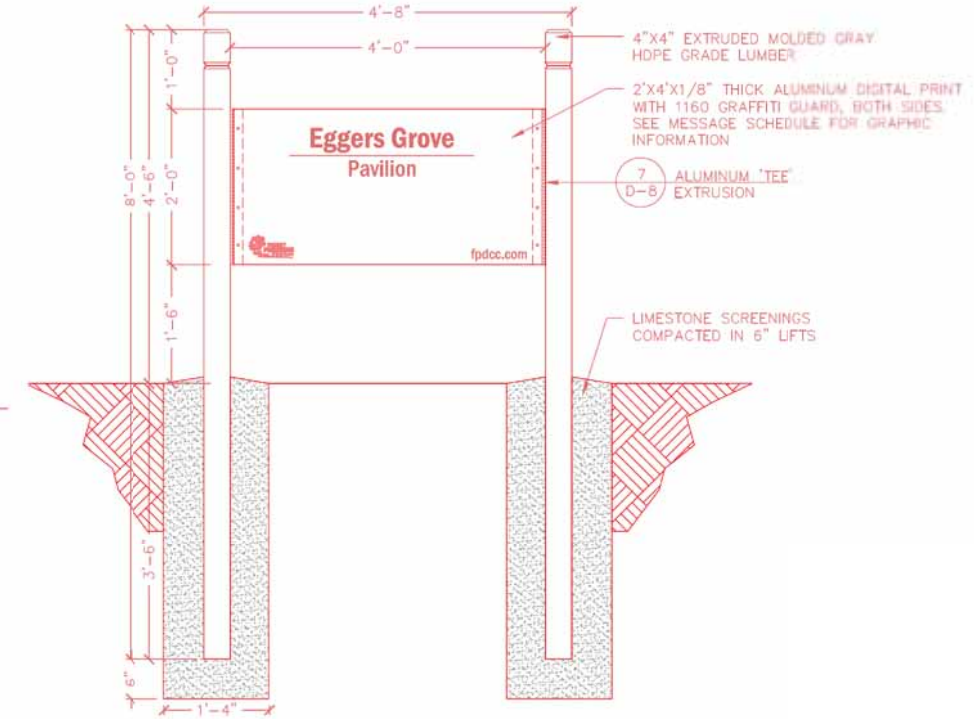
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	PLOT DATE = 4/26/2022	DATE -	REVISED -									CONTRACT NO. 61H78	



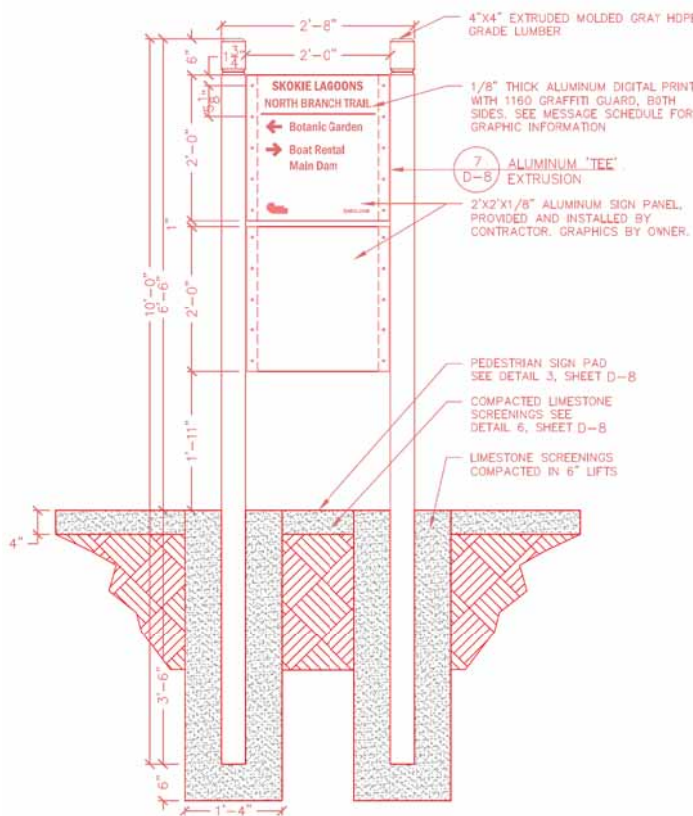
1 3.1 - PEDESTRIAN DIRECTIONAL SIGN
 SCALE: N.T.S.



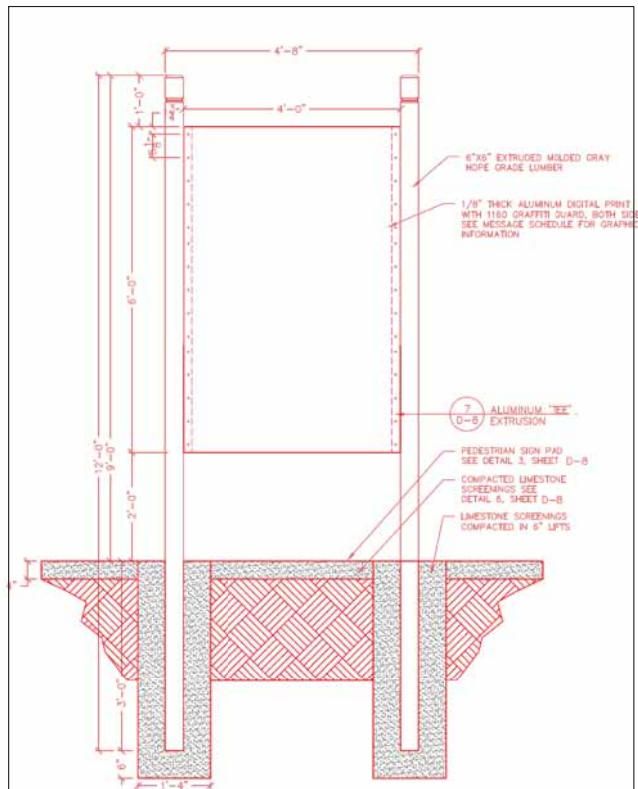
3 PEDESTRIAN SIGN PAD
 SCALE: N.T.S.



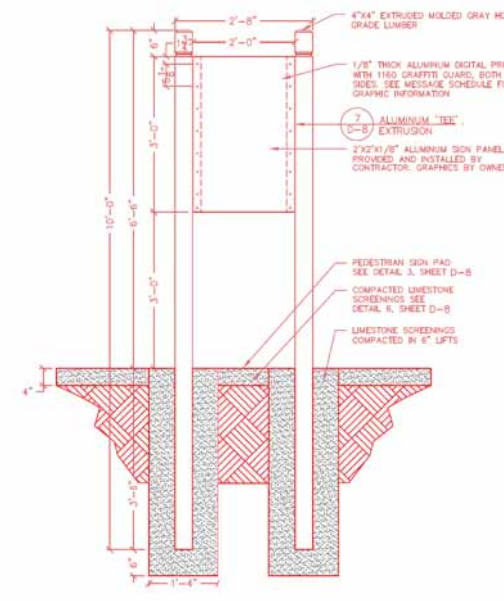
5 5.1 - BUILDING ID SIGN
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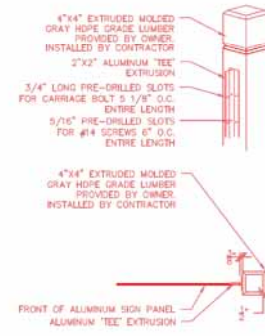
2 3.2 - PEDESTRIAN DIRECTIONAL COMBO SIGN
 SCALE: N.T.S.



4 6.1 INFORMATION SIGN 4'x6'
 SCALE: N.T.S. (PAID FOR AS WAYFINDING SIGN)

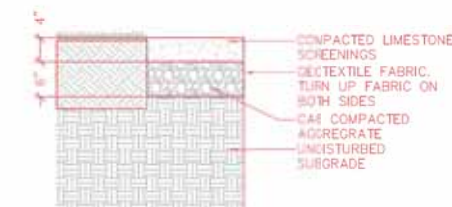


6 6.2 INFORMATION SIGN 2'x3'
 SCALE: N.T.S.



- NOTES:
1. FASTEN TEE TO POST WITH #4 X 1.5" SH-LURE SECURITY SCREWS, BUTTON HEAD, TYPE 304 STAINLESS STEEL AND WASHER
 2. FASTEN PANEL TO TEE WITH #10 X 1" STAINLESS STEEL, TYPE 316 STAINLESS STEEL CARBIDE BOLT, ONE #10 WASHER AND ONE #10 NYLON INSERT LOCKWUT
 3. ALUMINUM 'TEES' SHALL BE CLEAR ANODIZED
 4. DOUBLE SIDED SIGNS (THOSE WITH AN A & B IDENTIFIER) WILL RECEIVE (2) ALUMINUM PANELS SANDWICHING THE ALUMINUM 'TEE'

7 ALUMINUM TEE EXTRUSION DETAIL
 SCALE: N.T.S.



8 COMPACTED LIMESTONE SCREENINGS
 SCALE: N.T.S.

ISSUANCE OR REVISION

PROJ. NO.	SHEET NO.
DIVISION DISTRICTWIDE	
FILE NO.	

FILE NAME = N:\ROSEMONT\860001.2127A\Civil\DET_2127A	USER NAME = mworman	DESIGNED -	REVISED -
	01.SHT	DRAWN -	REVISED -
	PLOT SCALE = 1'	CHECKED -	REVISED -
Default	PLOT DATE = 4/26/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CONSTRUCTION DETAILS

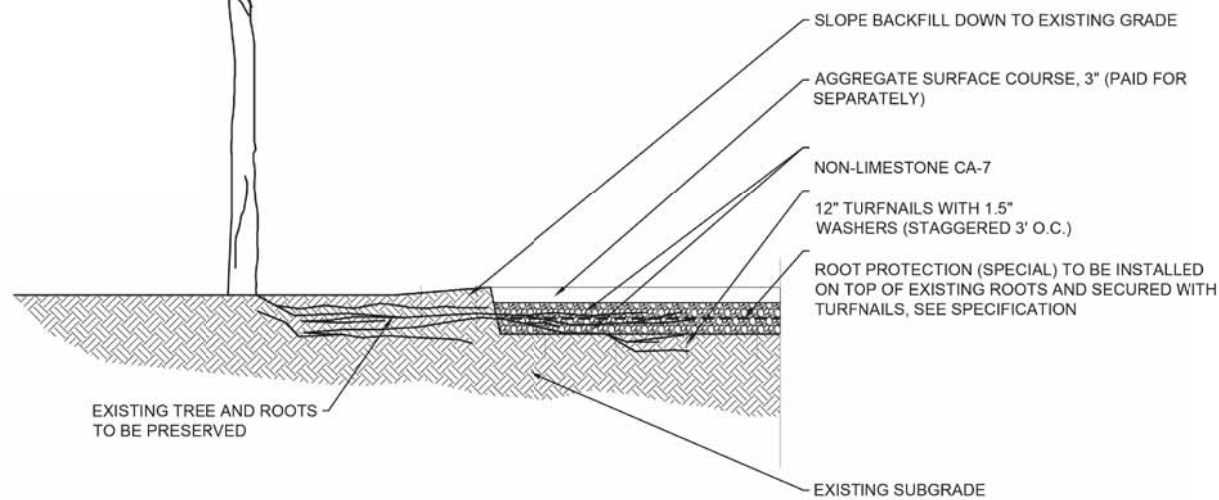
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	106
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H78	



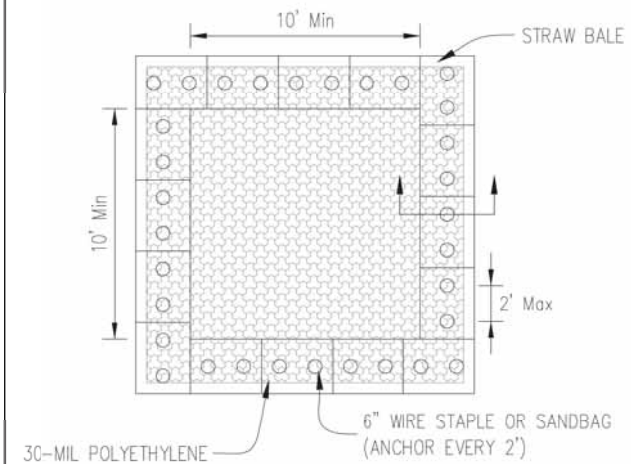
NOTES:

1. ALL ROOT PRUNING (SPECIAL) WORK MUST BE DONE UNDER THE DIRECTION OF A CERTIFIED ARBORIST, AND IN THE PRESENCE OF THE LANDSCAPE ARCHITECT. WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WHOSE WORK HAS RESULTED IN SUCCESSFUL ROOT PROTECTION INSTALLATIONS. DOCUMENTATION TO SUPPORT CONTRACTOR QUALIFICATIONS SHALL BE SUBMITTED TO OWNER. THE QUALIFIED CONTRACTOR SHALL HAVE THREE (3) YEARS EXPERIENCE INSTALLING ROOT PROTECTION.
2. TOPSOIL SHALL BE NON-INVASIVELY EXCAVATED WITH SUPERSONIC AIR TOOL (SSAT) TO ROOT DENIAL DEPTH PRIOR TO INSTALLATION OF ROOT PROTECTION.
3. RESULTS OF EXCAVATION SHALL BE DOCUMENTED WITH A CERTIFIED ARBORIST AND FINAL DETAIL OF AGGREGATE BICYCLE PATH INSTALLATION MAY BE MODIFIED BY FIELD ENGINEER / LANDSCAPE ARCHITECT BASED ON THOSE RESULTS.
4. ROOTS MUST NOT BE EXPOSED FOR LONGER THAN 6 HOURS AND CONTRACTOR MUST PREVENT DESICCATION OF ROOTS.

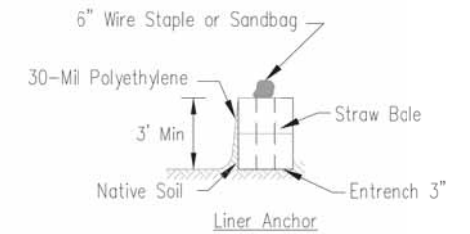


ROOT PROTECTION (SPECIAL)
NTS

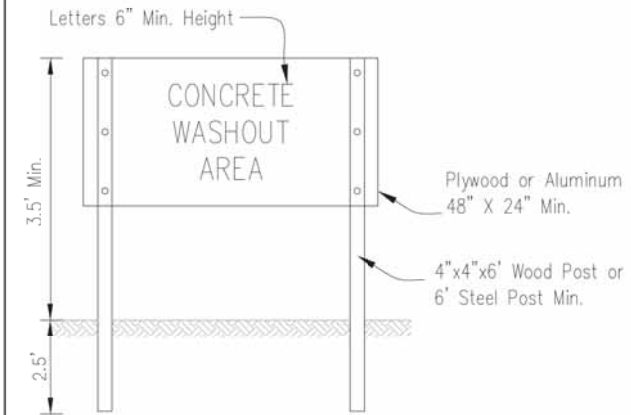
AUTOCAD2006



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

Sheet 1 of 3	File No. 17-00034-00-BT	Date 6/08
Drawn B. JOHNSON	Checked	Approved

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

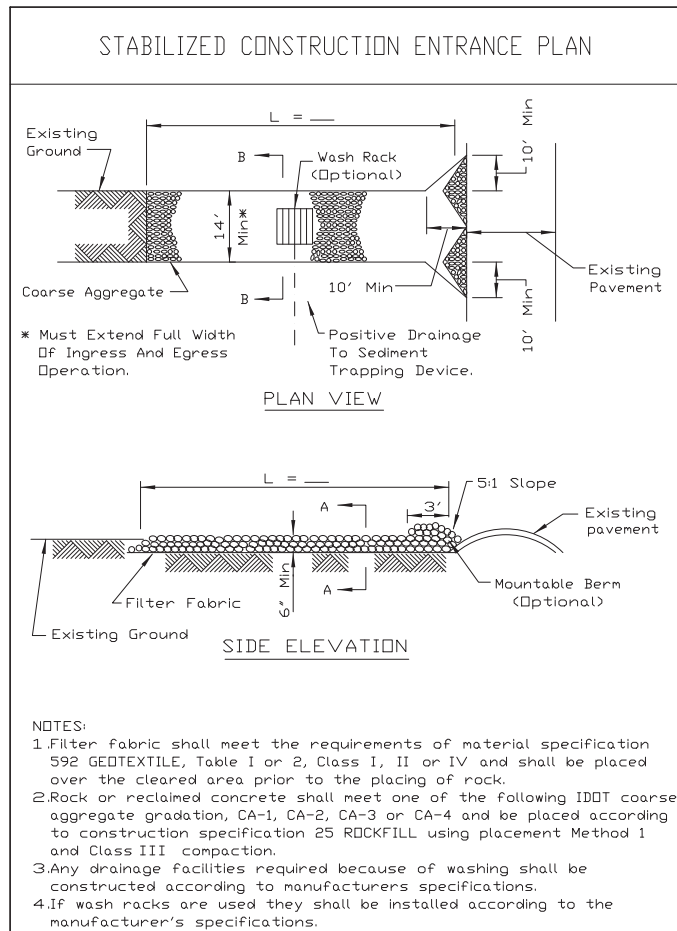
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PLOT DATE = 4/26/2022		DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2 CONSTRUCTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

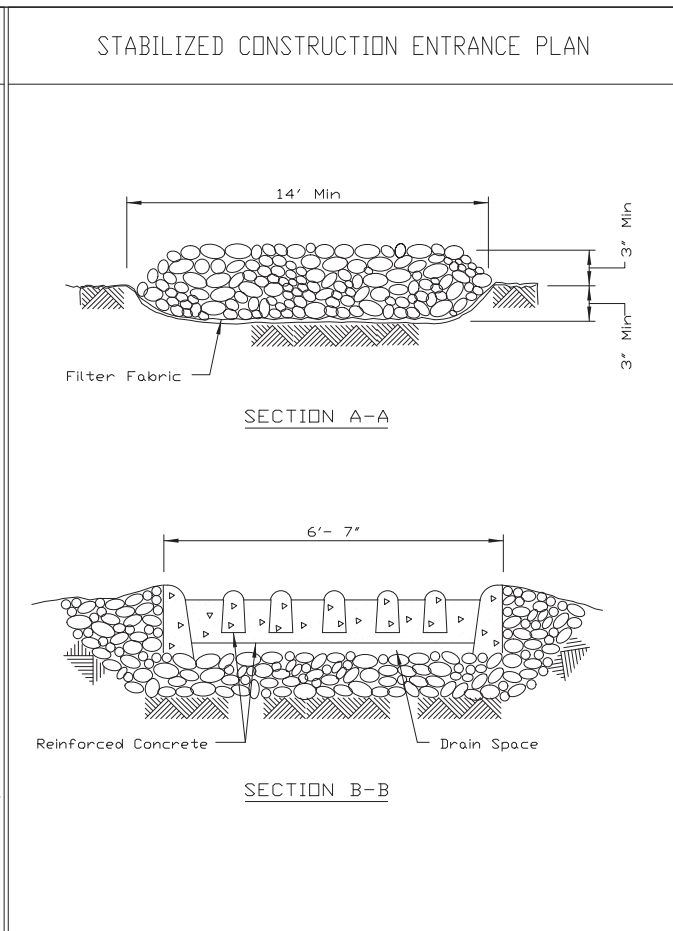
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	17-00034-00-BT	COOK	137	107
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H78	



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Checked	_____	_____	_____
Approved	_____	_____	_____

NRCS
Natural Resources Conservation Service

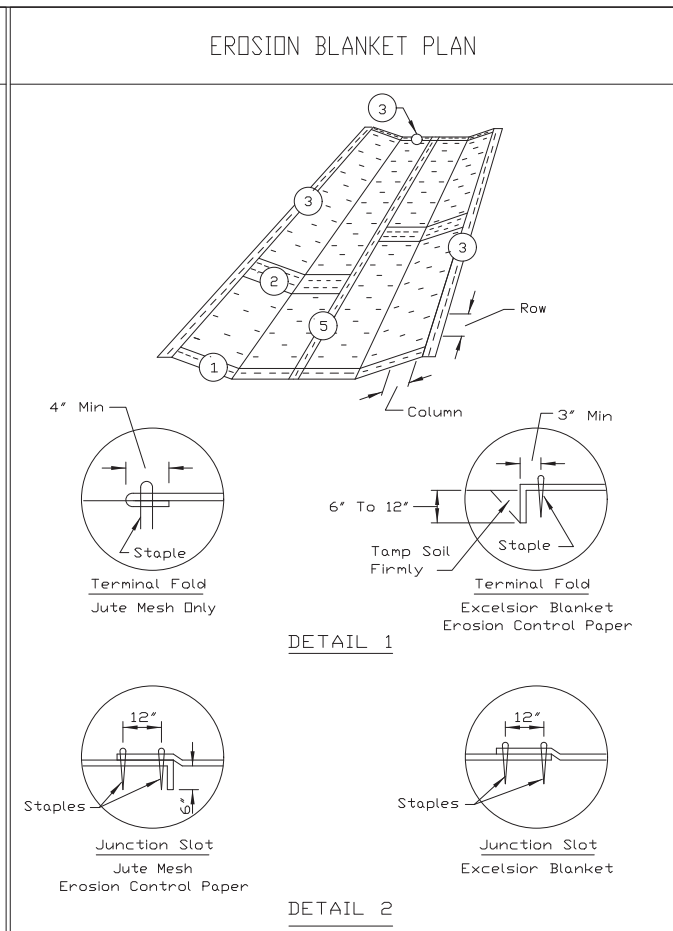
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SHEET 1 OF 2
DATE 8-18-94



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Checked	_____	_____	_____
Approved	_____	_____	_____

NRCS
Natural Resources Conservation Service

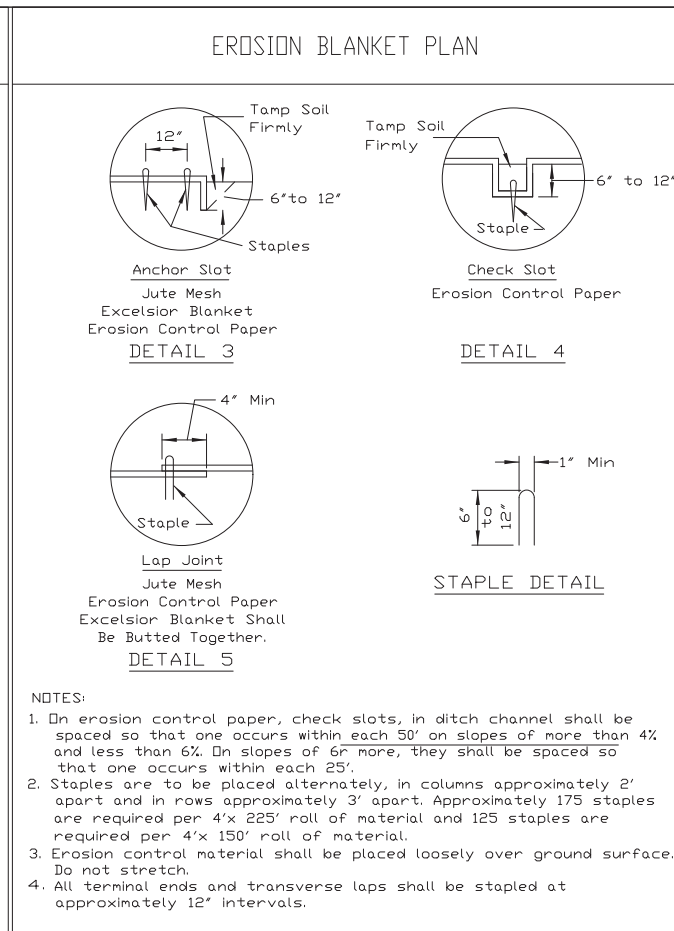
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SHEET 2 OF 2
DATE 8-18-94



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NRCS
Natural Resources Conservation Service

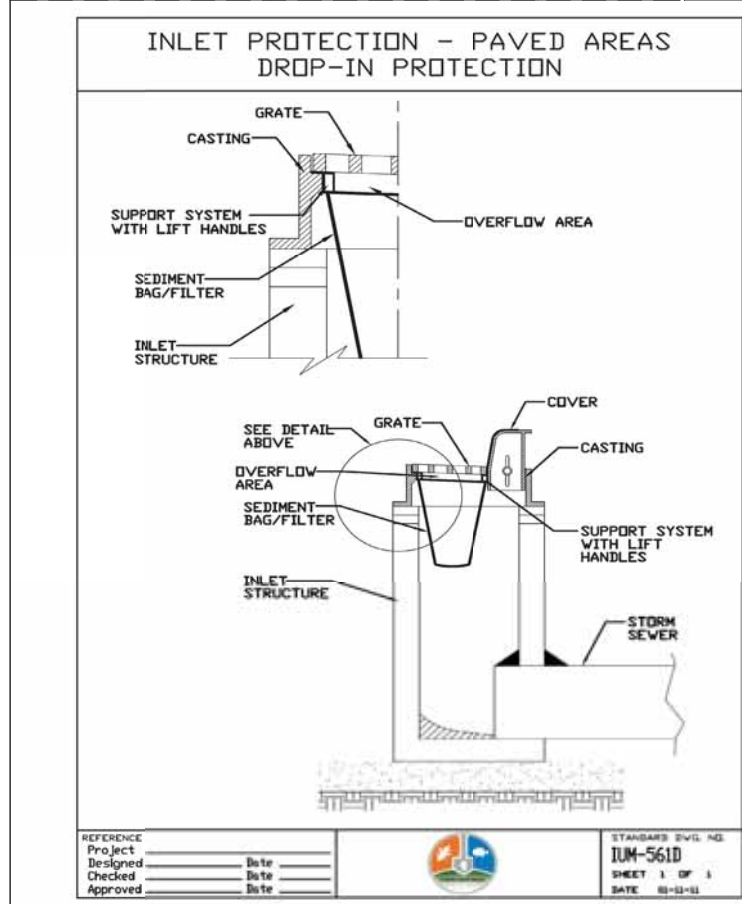
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NRCS
Natural Resources Conservation Service

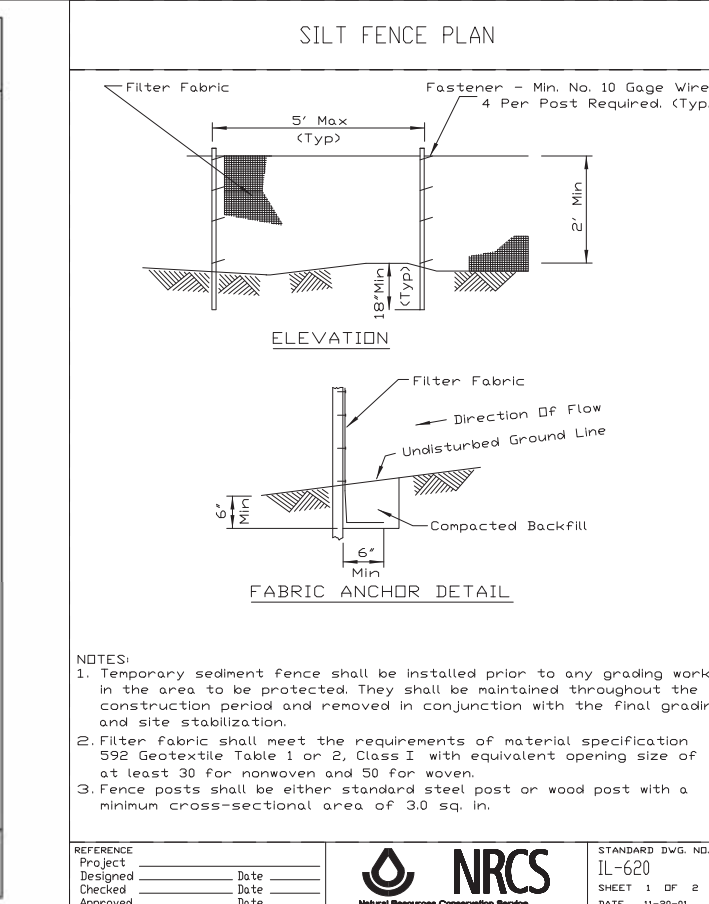
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NRCS
Natural Resources Conservation Service

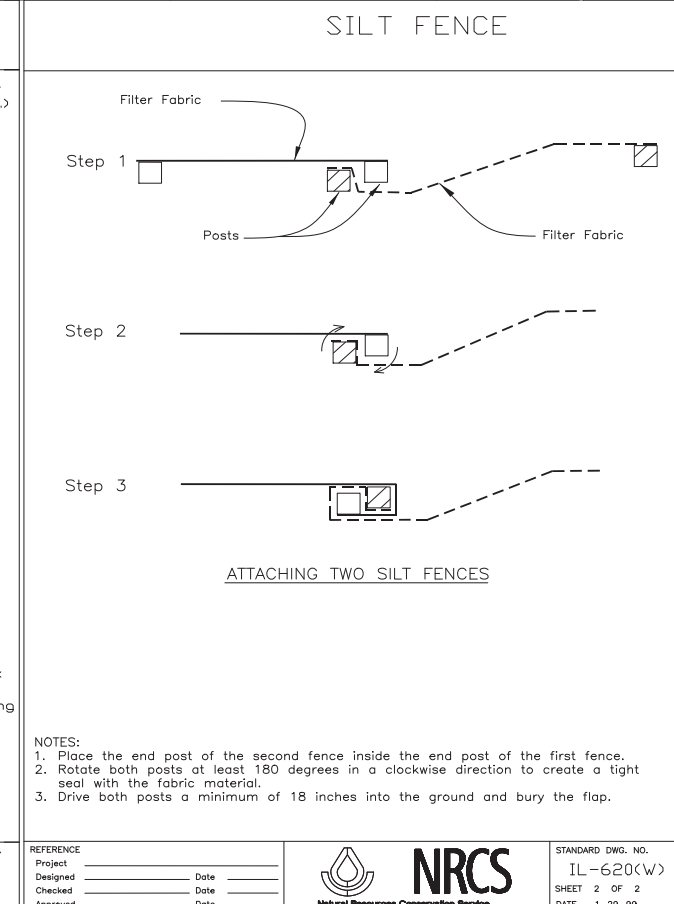
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SHEET 1 OF 1
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REFERENCE Project	DESIGNED _____	DATE _____	DATE _____
Checked	_____	_____	_____
Approved	_____	_____	_____

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO. IL-620
SHEET 1 OF 2
DATE 11-20-01



REFERENCE Project	DESIGNED _____	DATE _____	DATE _____
Checked	_____	_____	_____
Approved	_____	_____	_____

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO. IL-620(W)
SHEET 2 OF 2
DATE 1-29-99

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PLOT SCALE = 1'
PLOT DATE = 4/26/2022

DESIGNED -
REVISIONS -
CHECKED -
DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

DES PLAINES RIVER TRAIL SEGMENT 2
CONSTRUCTION DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	108
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

PRACTICE 103
TEMPORARY WETLAND CROSSING (Drag Line Mat)

DESCRIPTION

- A series of wooden "rafts" placed beneath the tread of heavy machinery to more evenly distribute the weight.

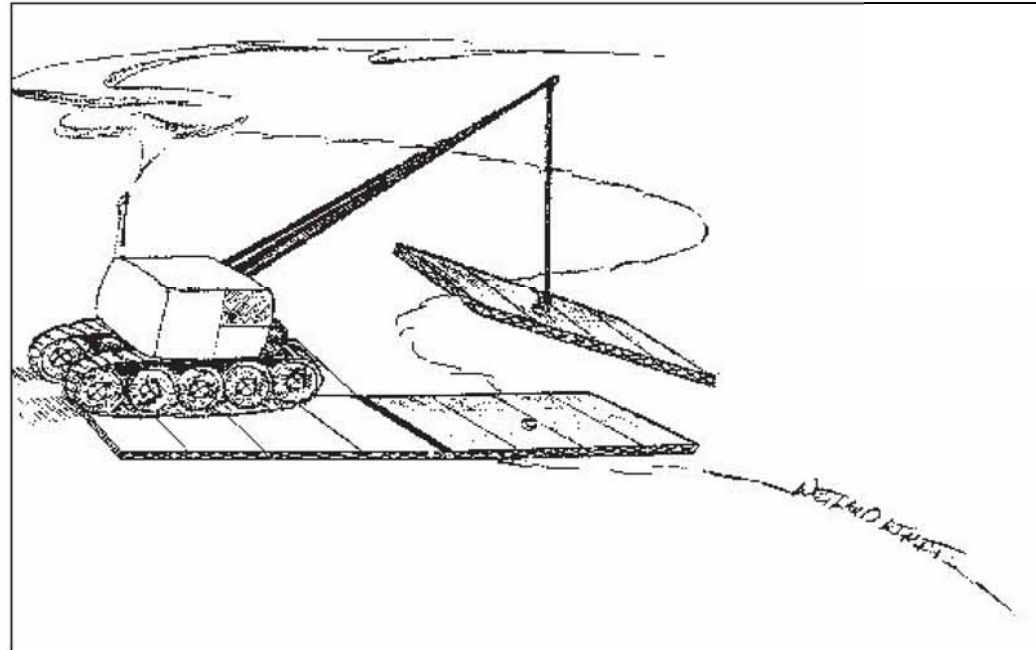


Exhibit 103a: Temporary Wetland Crossing (Source: CBBEL Files)

- machine, and lines them up in front of the mats the machine is on.
- Operator drives onto the two mats just placed in front of the mats the machine is on.
- Operator uses boom to retrieve the 2 mats now behind the machine, and places them in front of the machine as described above.
- Piggy back process continues until operator reaches the final destination.

Special Considerations

- Only useful if water is ≤ 6 " deep.

MAINTENANCE

- Periodically inspect the mats to make sure they maintain their structural integrity.

REFERENCES

Related Practices

- Practice 901 Culverts.
- Practice 902 Bridges.
- Practice 903 Fords/Low Water Crossings.

Other Sources of Information

- CBBEL Files.

Last Print/Revision Date: October 13, 1996

PURPOSE

- To reduce the impact of heavy machinery in wetlands or other sensitive or soft areas.

WHERE APPLICABLE

- Shallow wetlands.
- Soft soils or other sensitive areas.

ADVANTAGES

- Allows access through shallow wetlands or other sensitive areas.
- Minimizes adverse impacts to wetlands or other sensitive areas by more evenly distributing the weight.

CONSTRAINTS

- Only useful with machinery equipped with a boom such as a back hoe or drag line.
- Minor soil displacement is inevitable.

DESIGN AND CONSTRUCTION GUIDELINES

Materials

- 4 drag line mats, each constructed from 5 pieces of 20' long, 12" x 12" treated wooden beams cabled together.

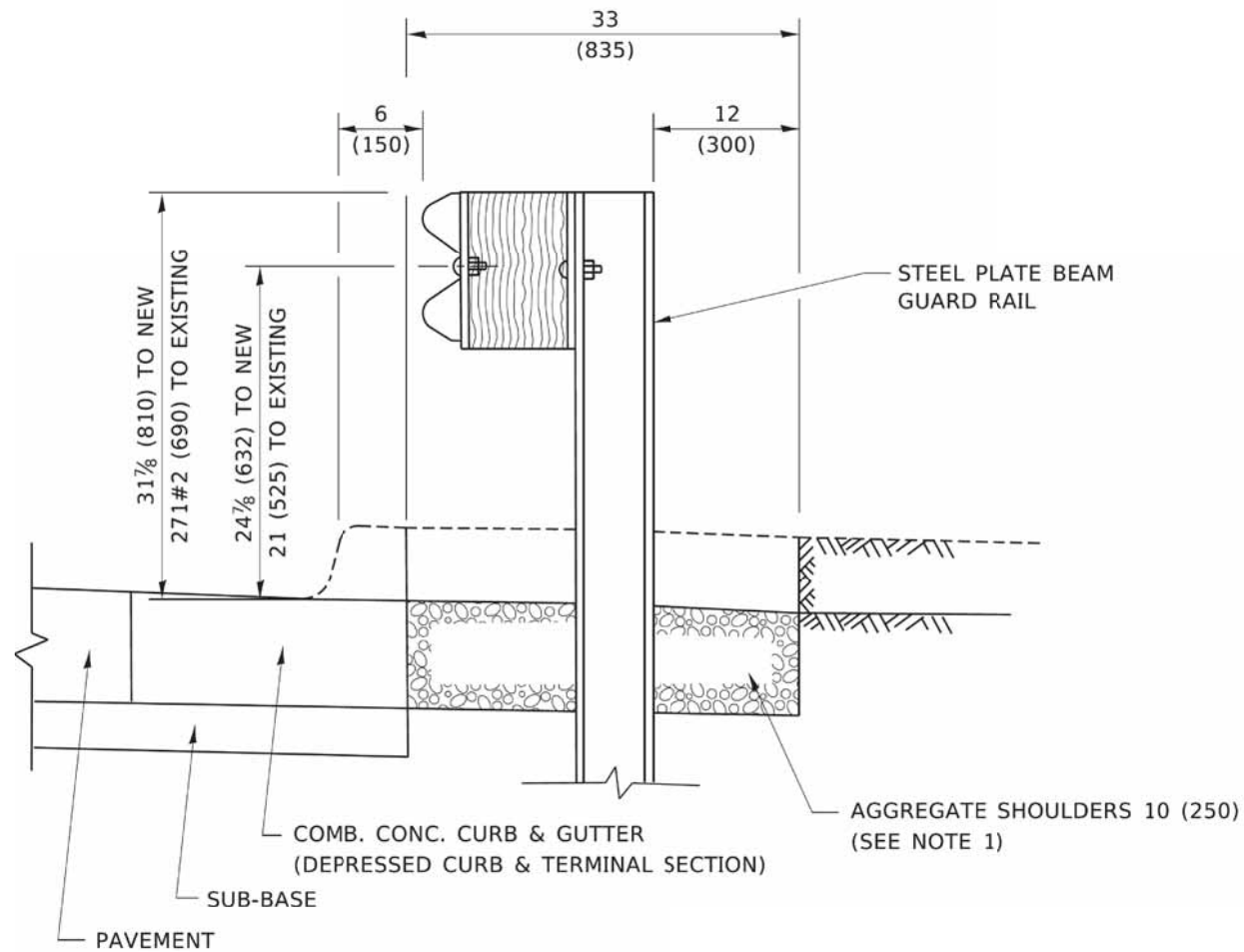
Installation

- 2 drag line mats are placed in front of the machinery so that each mat is centered by each tractor tread, and two mats are placed behind the machinery.
- Machinery operator drives onto mats in front of the machine.
- Machinery operator uses boom to lift the two mats behind the

5.103-1

5.103-2

FILE NAME = N:\ROSEMONT\860001\2127A\Civil\DET_2127A_01.SHT	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 2 CONSTRUCTION DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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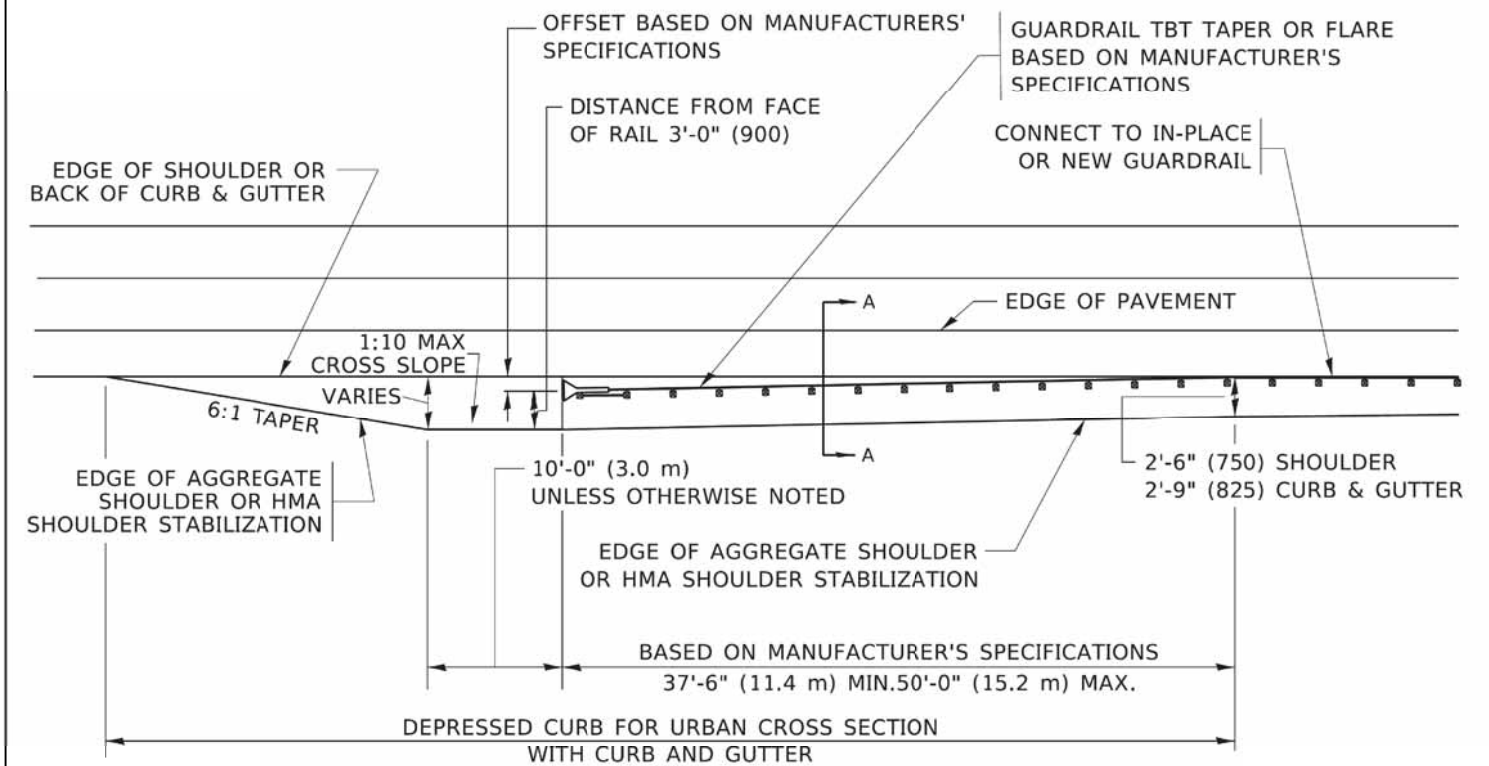


SECTION A-A

NOTES:

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

MODEL: D:\draft\...
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PROJECT: 17-00034-00-BT...
OFFICE: CHICAGO...
DATE: 09/22/2019

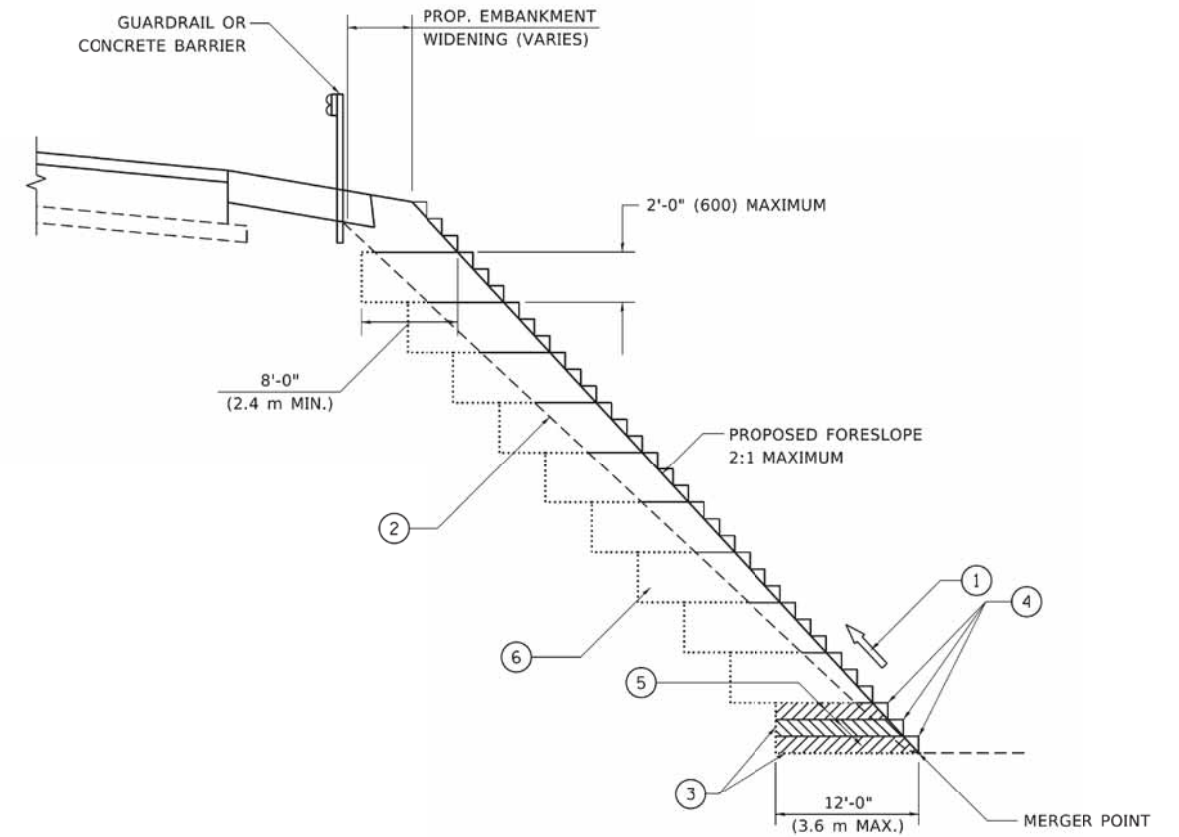
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PLOT DATE = 3/27/2019	DATE - 09-22-90	REVISED - R. BORO 05-06-2015

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	110
BD600-10 (BD 34)			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

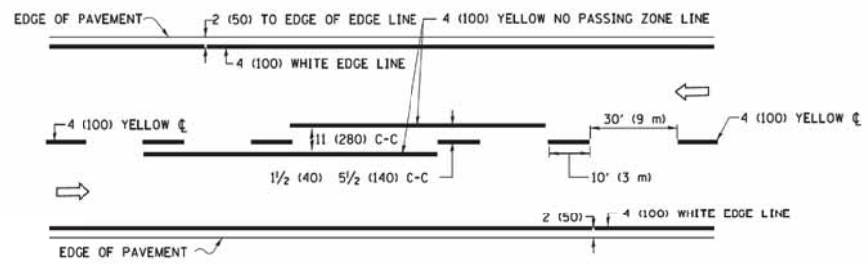
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PROJECT: 17-00034-00-BT...
OFFICE: 17-00034-00-BT...
DATE: 3/27/2019

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	DRAWN - CADD	REVISED -
PLOT SCALE = 50,0000' / 1"	CHECKED - S.E.B.	REVISED -
PLOT DATE = 3/27/2019	DATE - 06-16-04	REVISED -

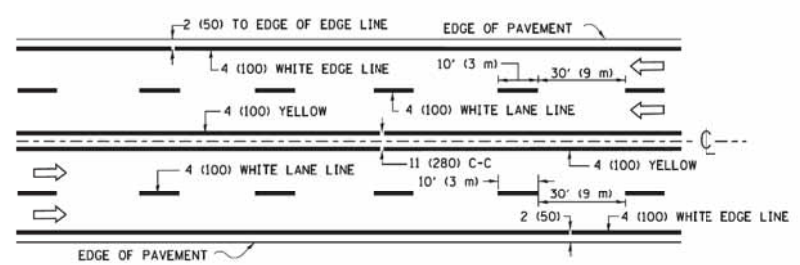
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

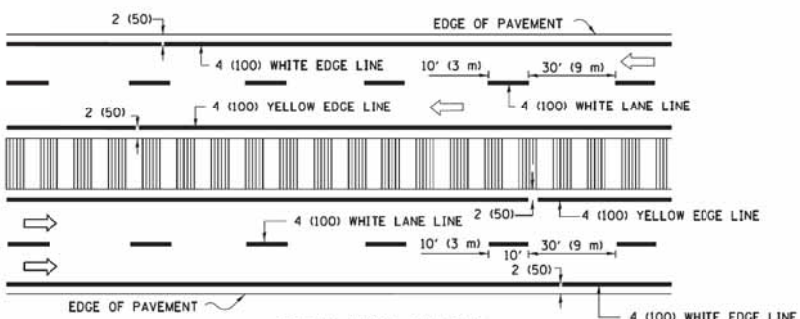
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	111
BD-51			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

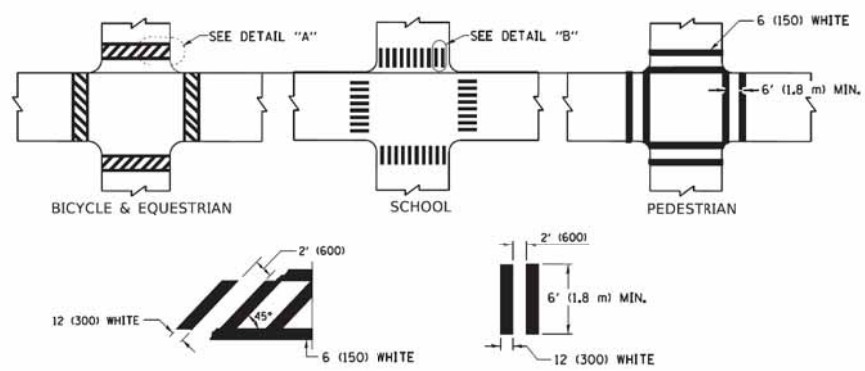


MULTI-LANE UNDIVIDED



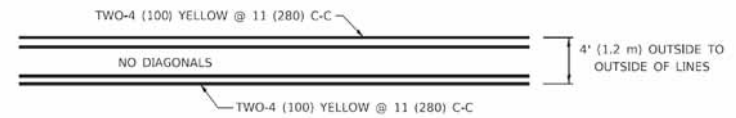
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

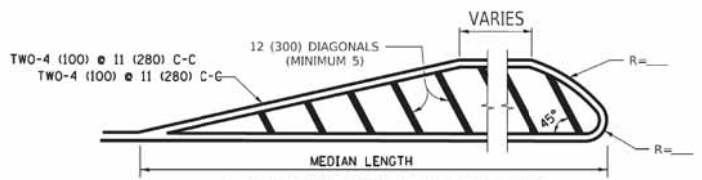


TYPICAL CROSSWALK MARKING

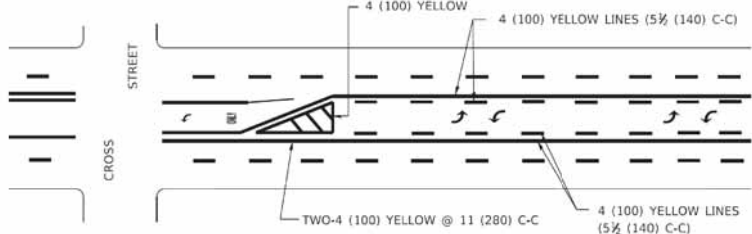
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



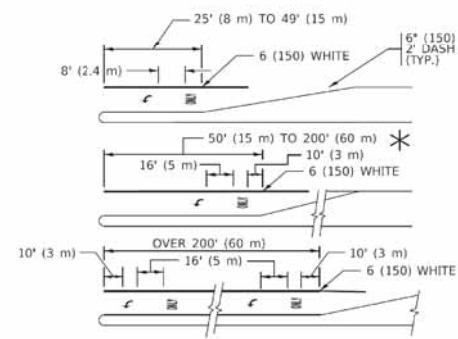
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



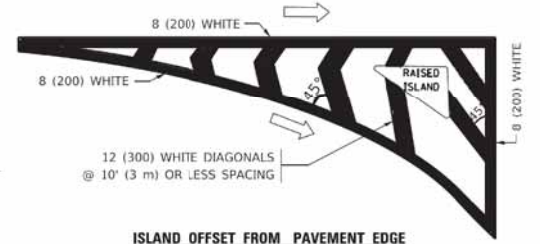
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



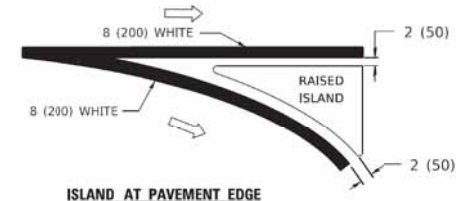
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

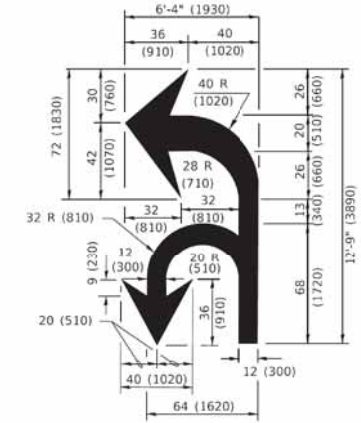
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



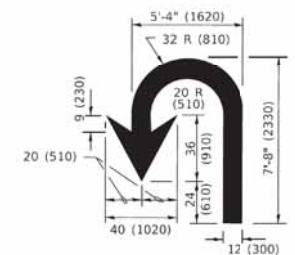
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' (4.5 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 5F
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 5F

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

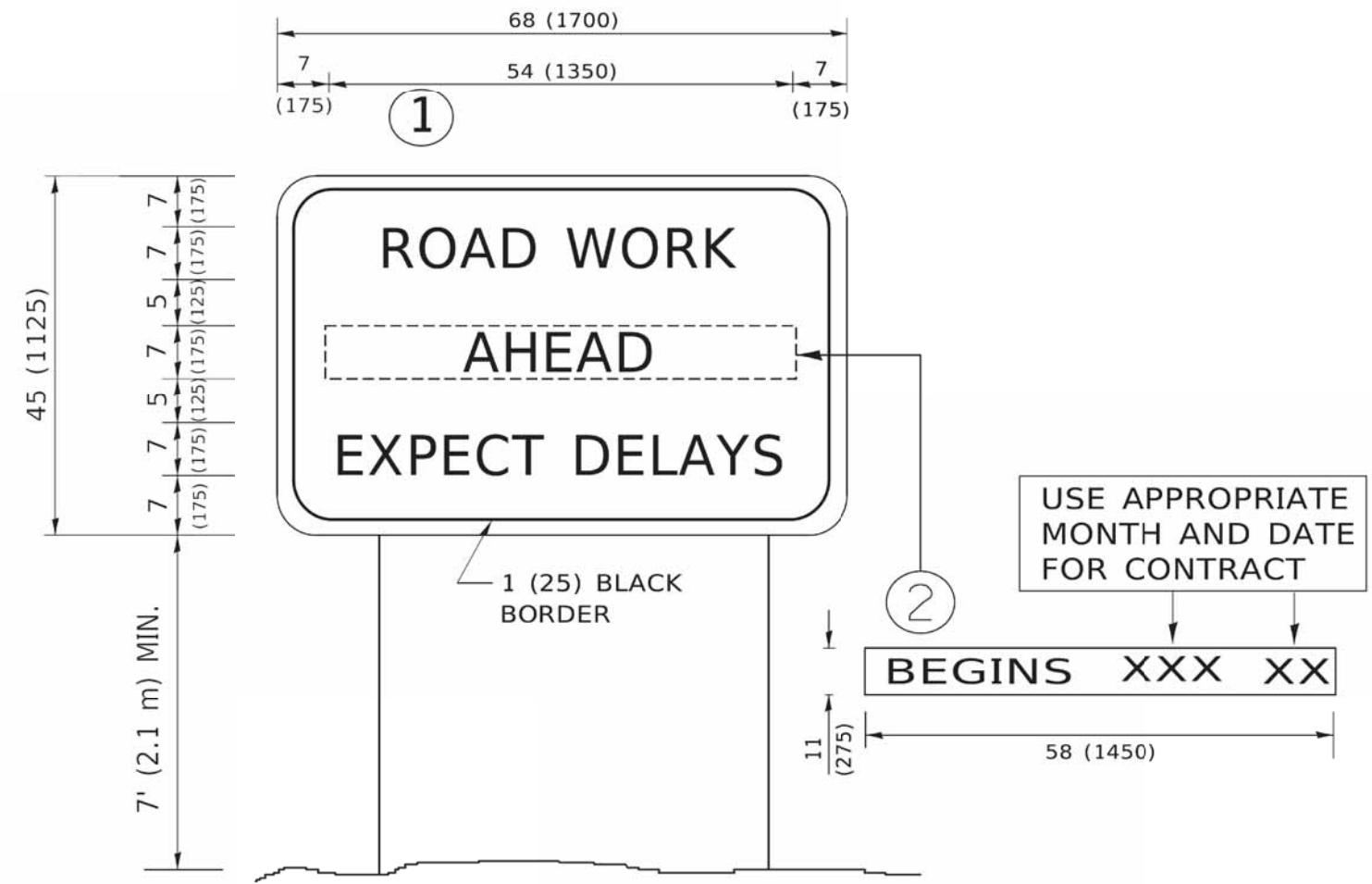
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USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS			17-00034-00-BT	COOK	137	112
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	TC-13			
			ILLINOIS FED. AID PROJECT			

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS			17-00034-00-BT	COOK	137	112
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	TC-13			
			ILLINOIS FED. AID PROJECT			



NOTES:

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

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

MODEL: D:\inf\inf\...
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 PROJECT: 17-00034-00-BT...

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

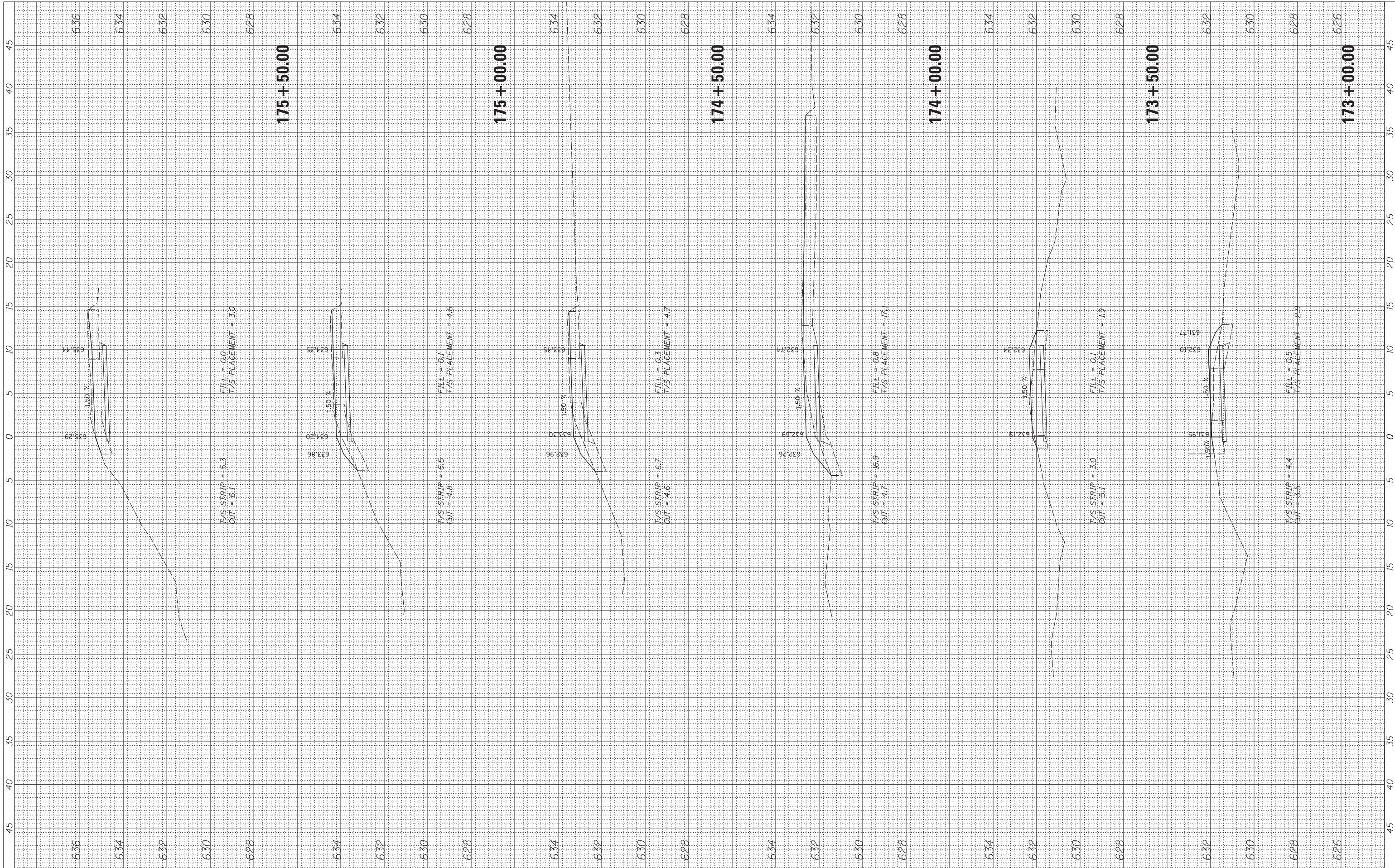
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	113
TC-22			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		



FILE NAME = N:\ROSEMONT\860001.2127A\Civil\XS_2127A_01.SHT
 USER NAME = morman
 PLOT SCALE = 5'
 PLOT DATE = 4/26/2022

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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

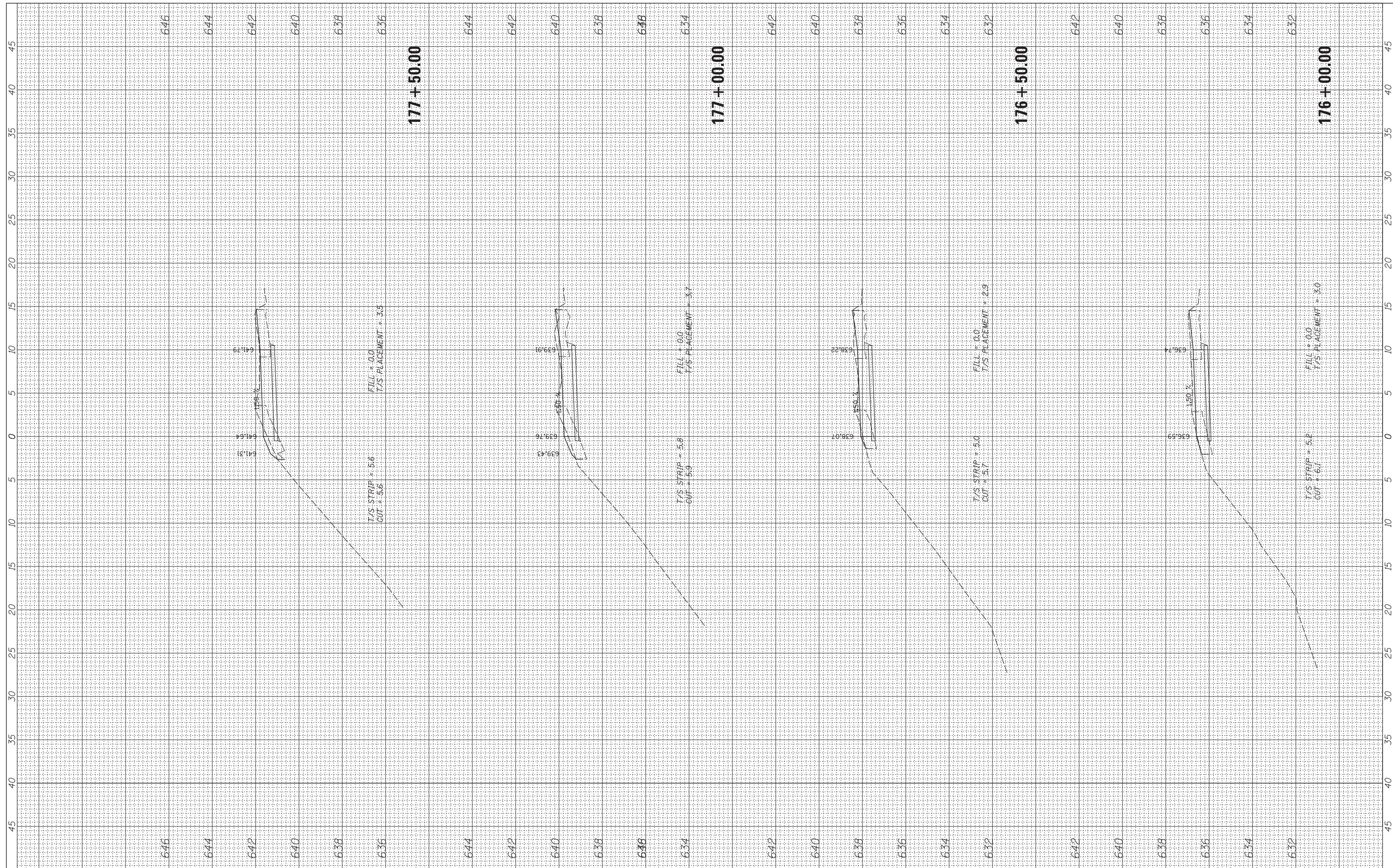
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 173+00.00 TO STA. 175+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	114
			CONTRACT NO. 61H78	
		ILLINOIS	FED. AID PROJECT	

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

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



FILE NAME = N:\ROSEMONT\860001.2127A\Civil\XS_2127A_01.SHT
 USER NAME = morman
 PLOT SCALE = 5'
 PLOT DATE = 4/26/2022

DESIGNED -
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 CHECKED -
 DATE -

REVISED -
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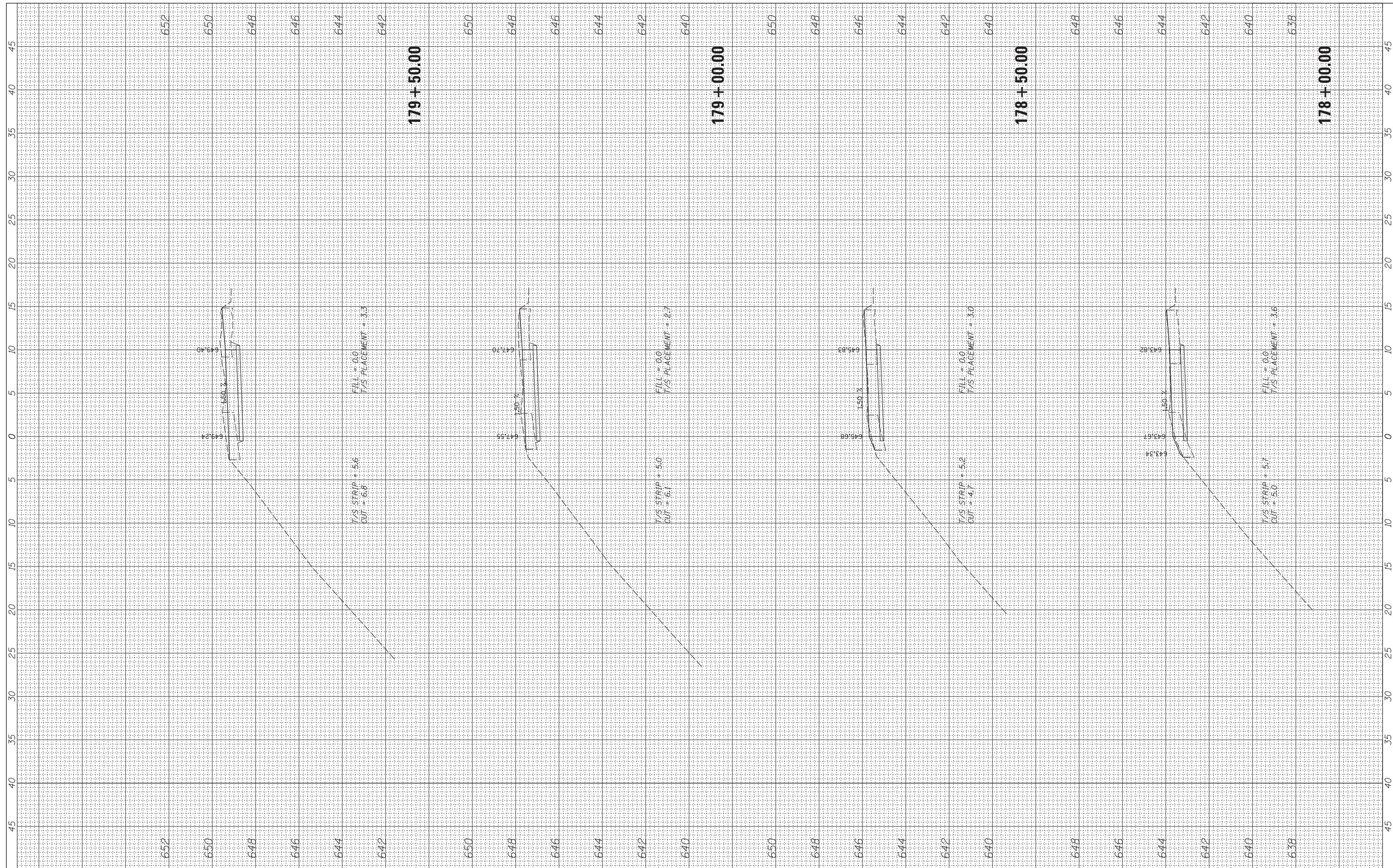
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 176+00.00 TO STA. 177+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	115
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

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

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



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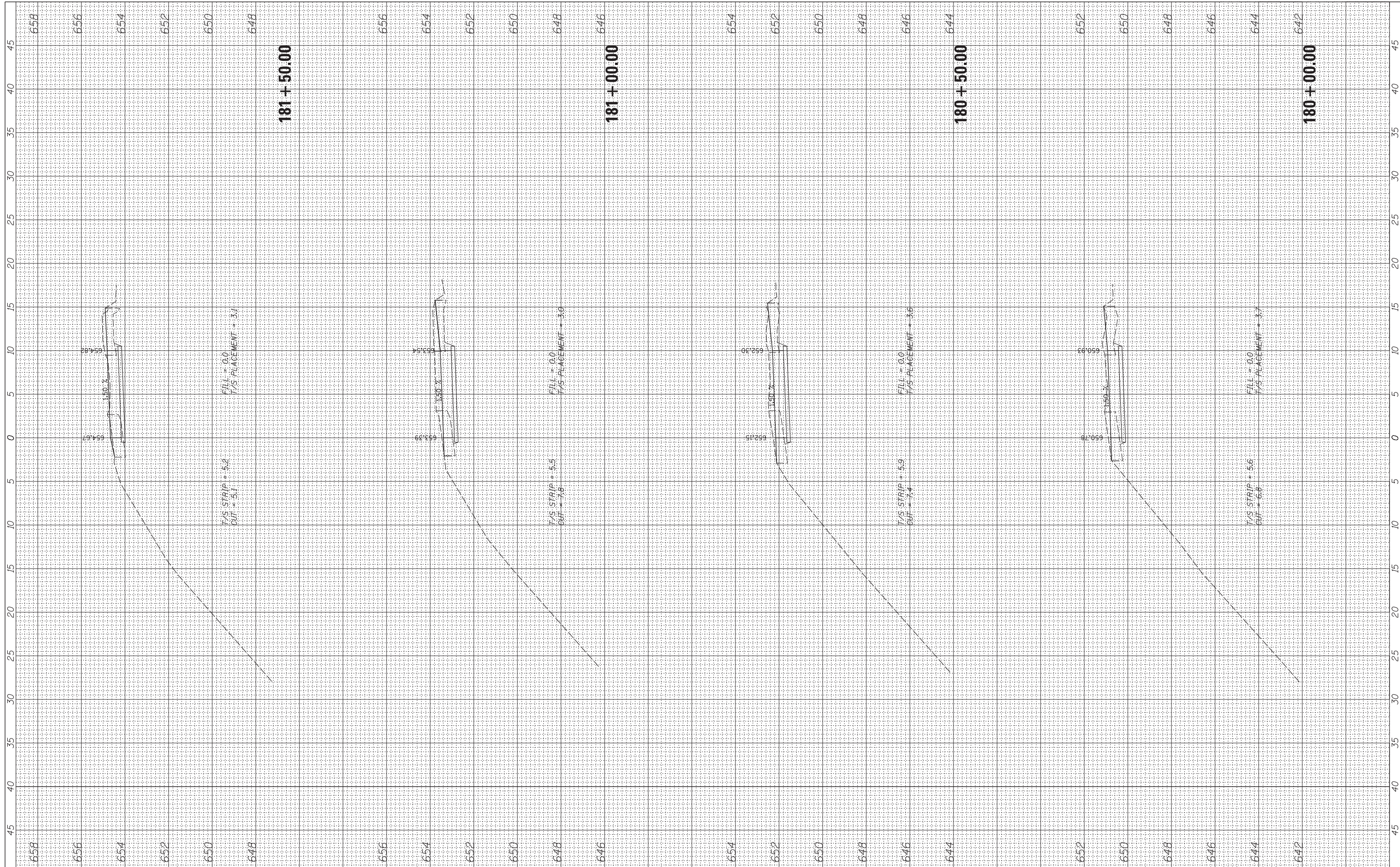
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	116
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED



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 PLOT SCALE = 5'
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DATE -	REVISED -

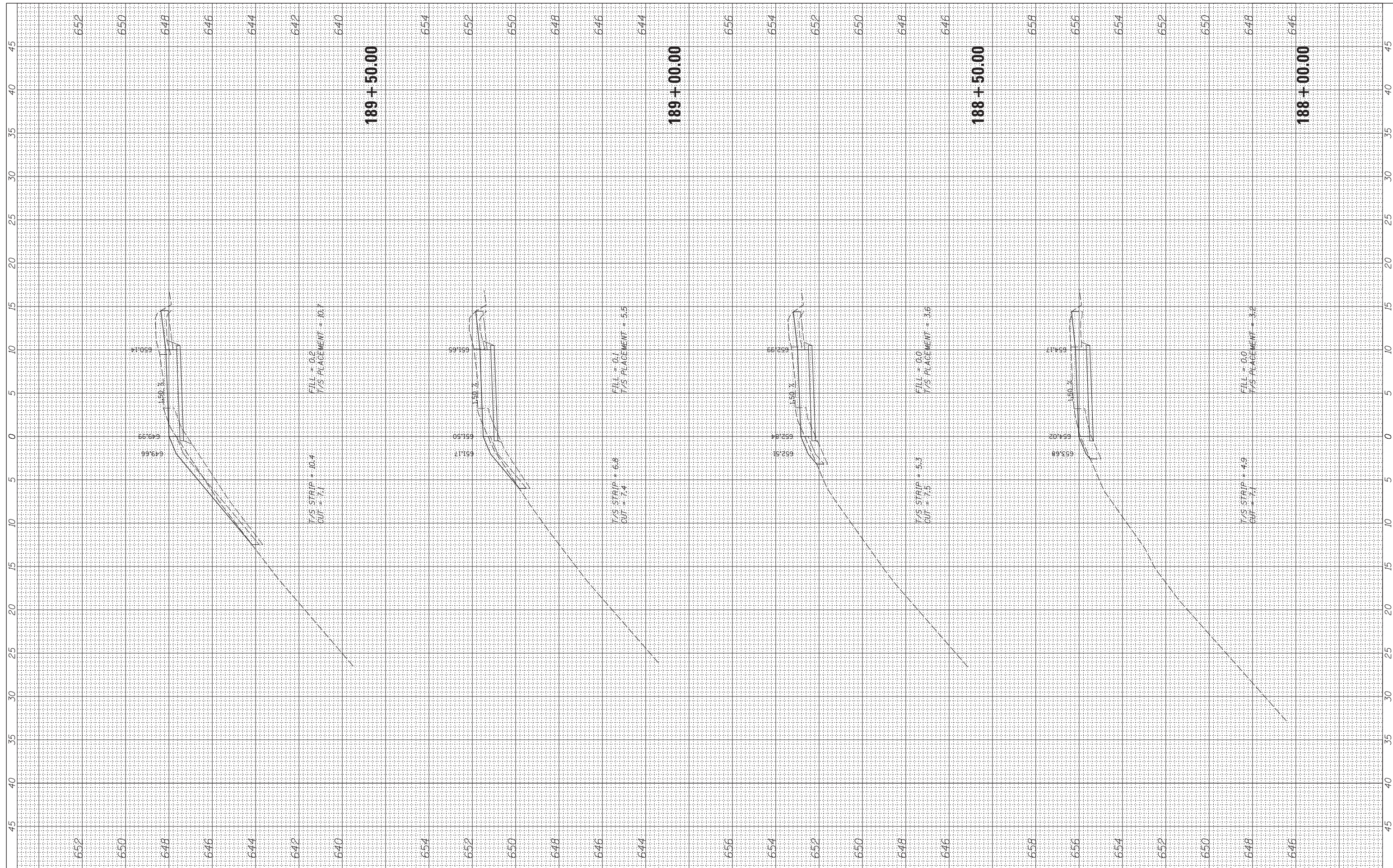
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 180+00.00 TO STA. 181+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	117
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 USER NAME = morman
 PLOT SCALE = 5'
 PLOT DATE = 4/26/2022

DESIGNED -
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 CHECKED -
 DATE -

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

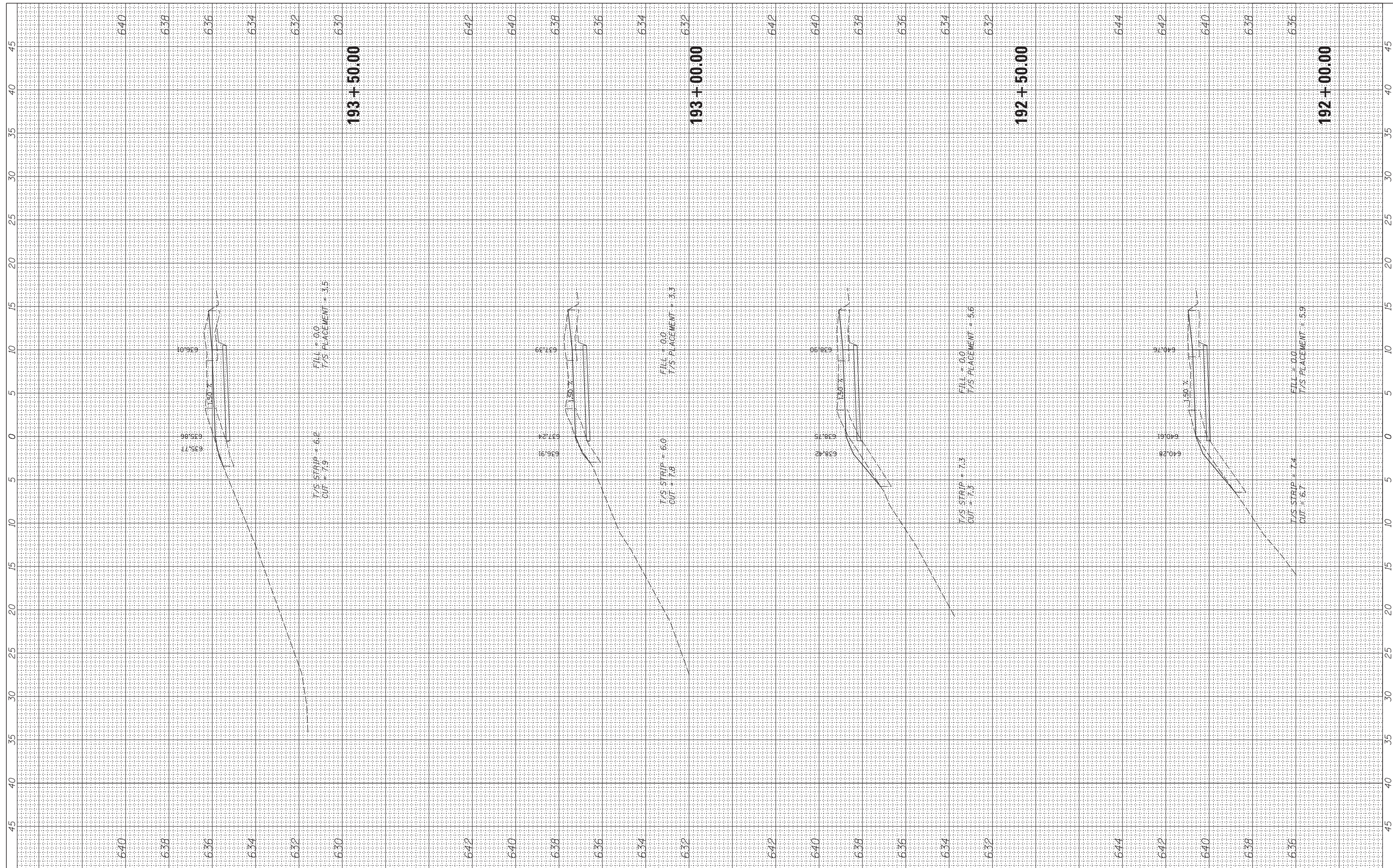
**DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 188+00.00 TO STA. 189+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	119
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 PLOT SCALE = 5'
 PLOT DATE = 4/26/2022

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DRAWN -	REVISD -
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DATE -	REVISD -

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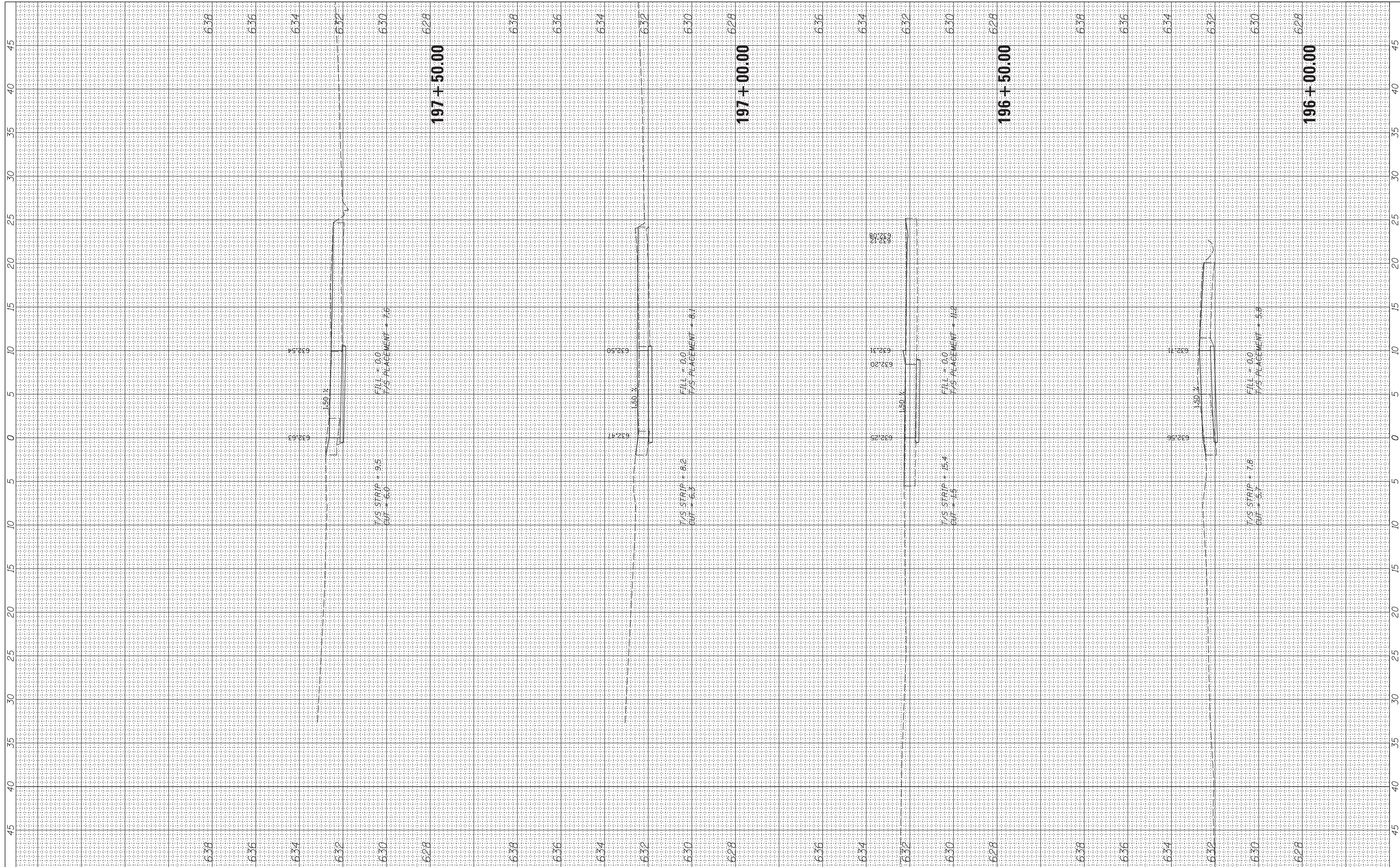
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 192+00.00 TO STA. 193+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	121
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 PLOT SCALE = 5'
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DATE -	REVISED -

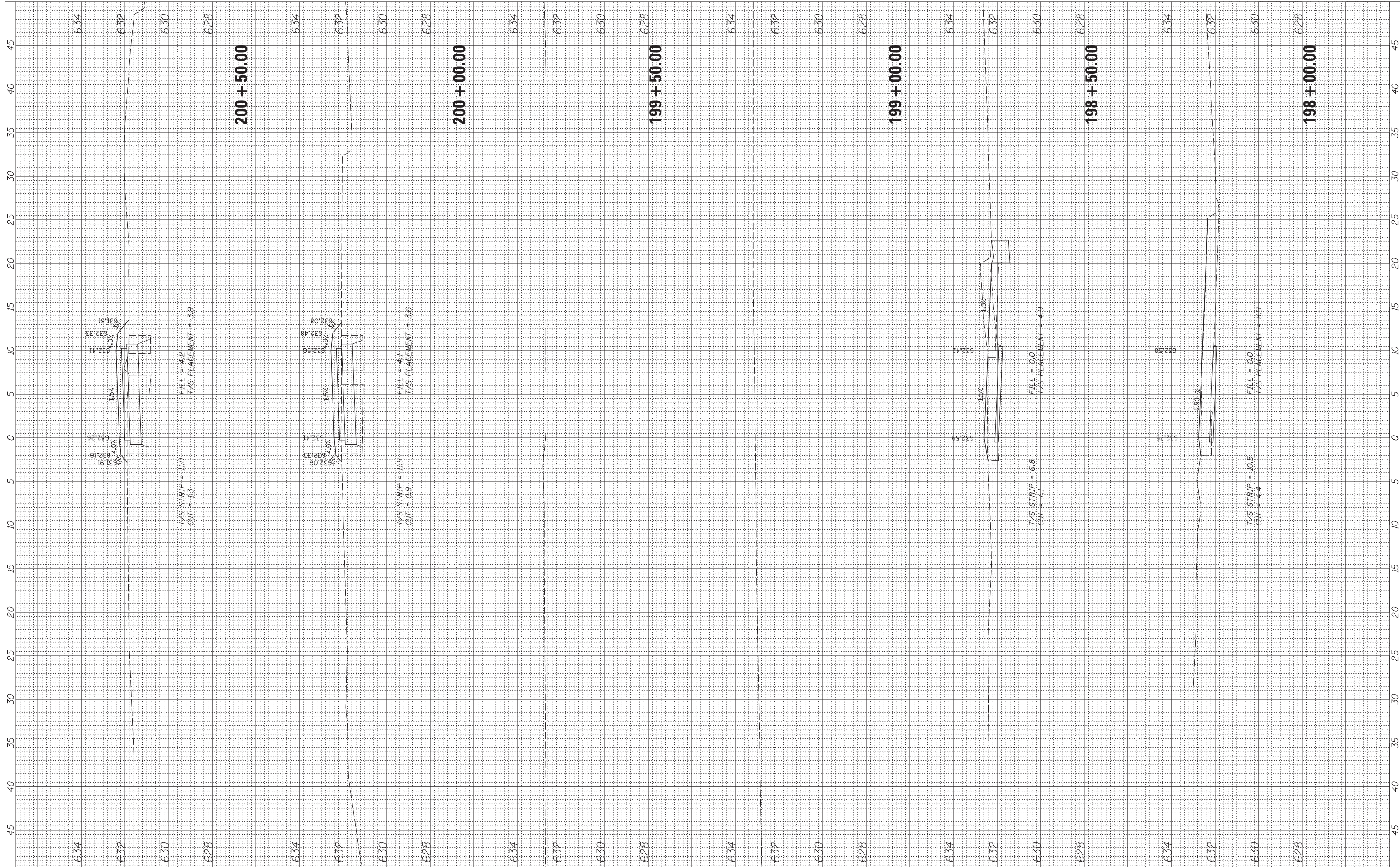
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 196+00.00 TO STA. 197+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	123
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 PLOT SCALE = 5'
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CHECKED -	REVISED -
DATE -	REVISED -

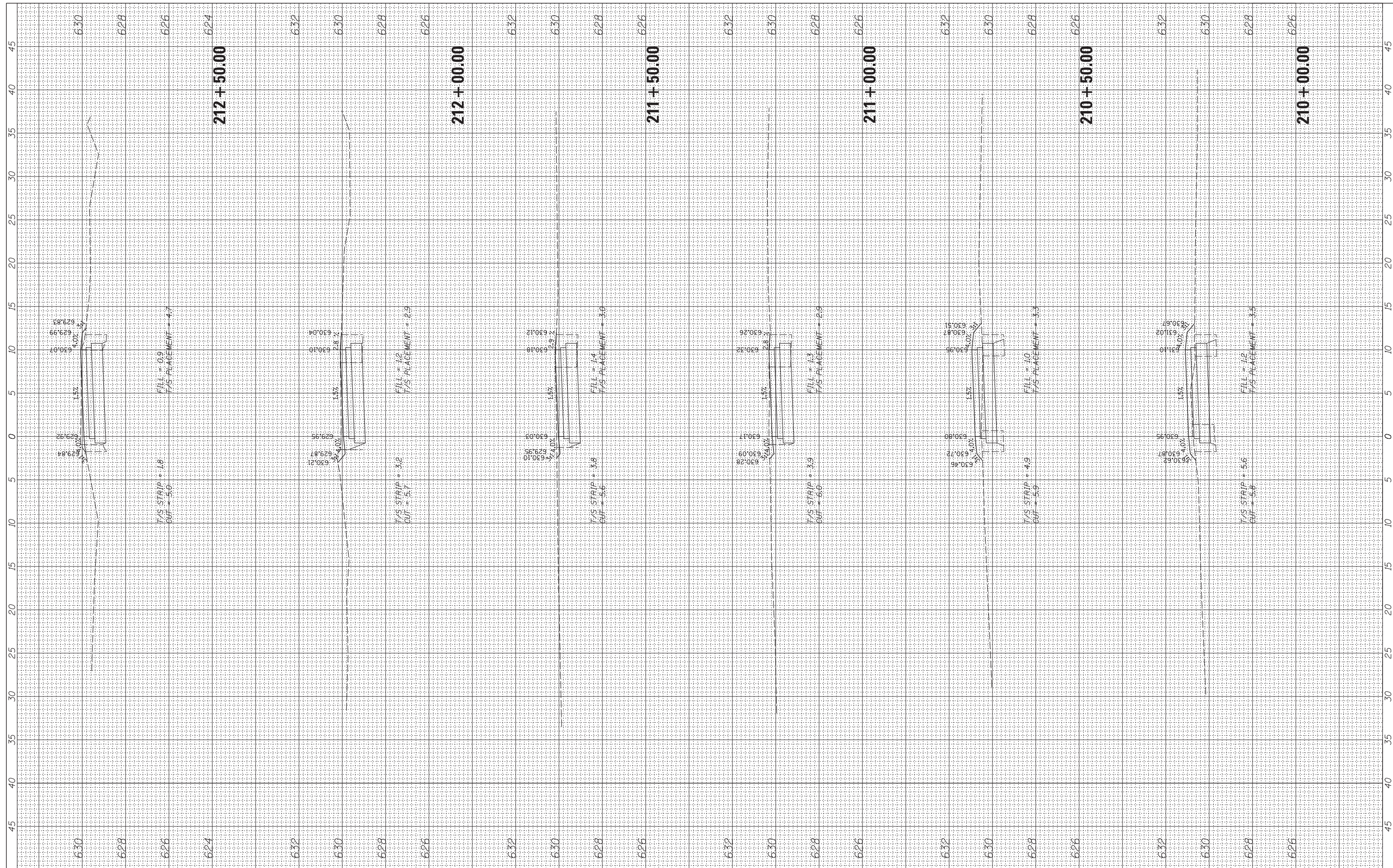
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 198+00.00 TO STA. 200+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	124
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\ROSEMONT\860001\2127A\Civil\XS_2127A_01.SHT
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 PLOT SCALE = 5'
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DATE -	REVISD -

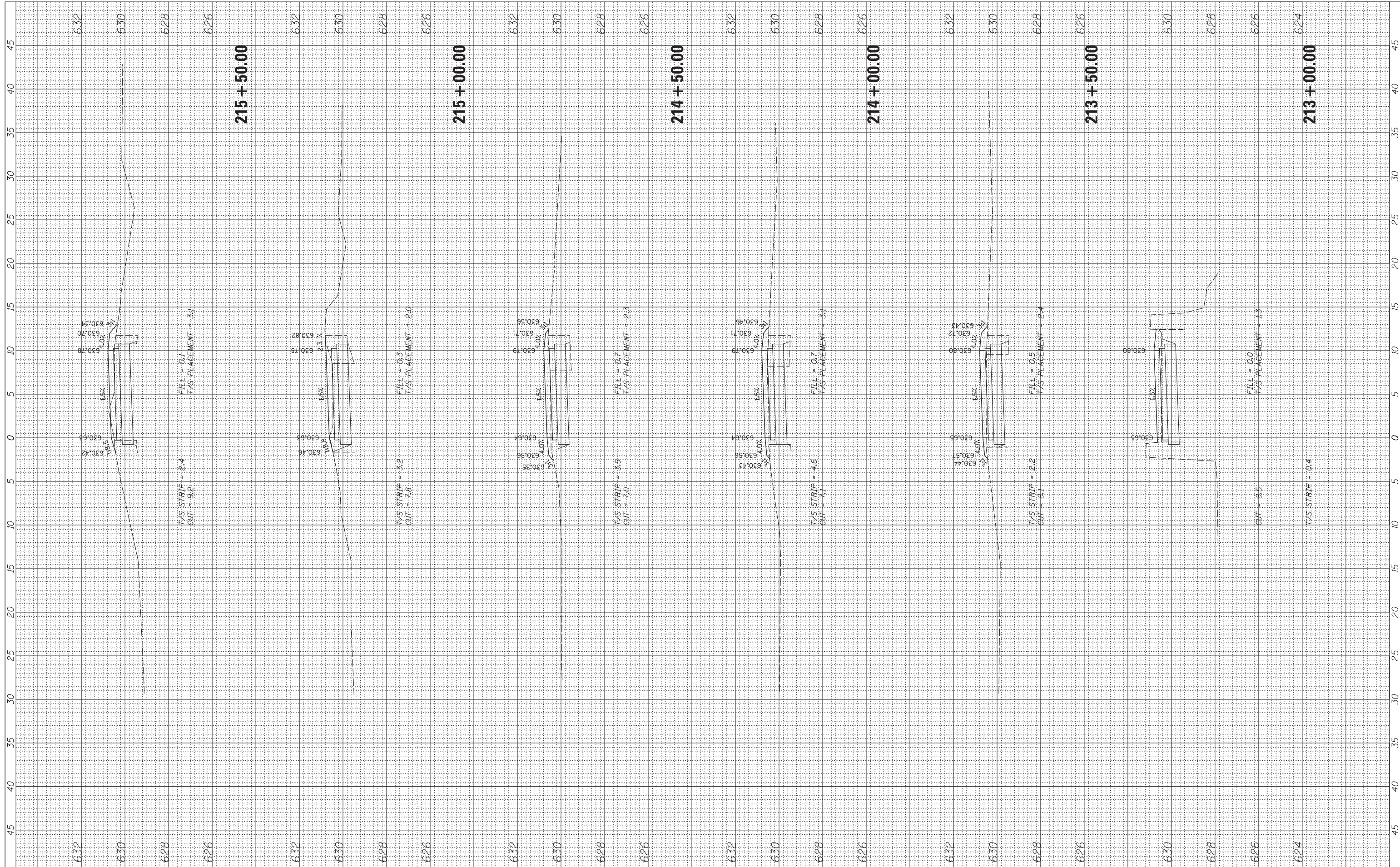
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 2
CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 210+00.00 TO STA. 212+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	128
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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DATE -	REVISIED -

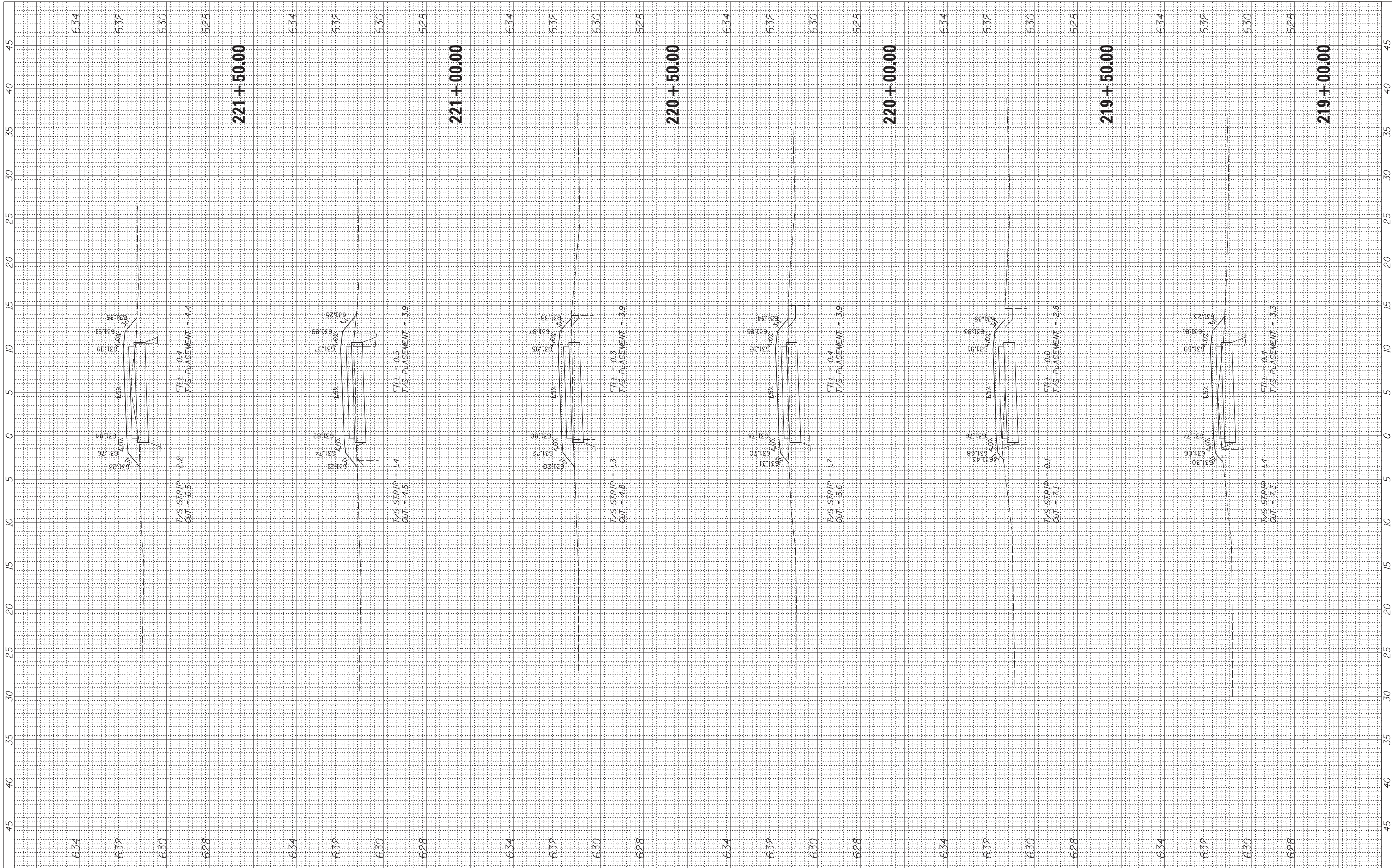
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 213+00.00 TO STA. 215+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	129
				CONTRACT NO. 61H78
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED



FILE NAME = N:\ROSEMONT\860001.2127A\Civil\XS_2127A_01.SHT
 USER NAME = morman
 PLOT SCALE = 5'
 PLOT DATE = 4/26/2022

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

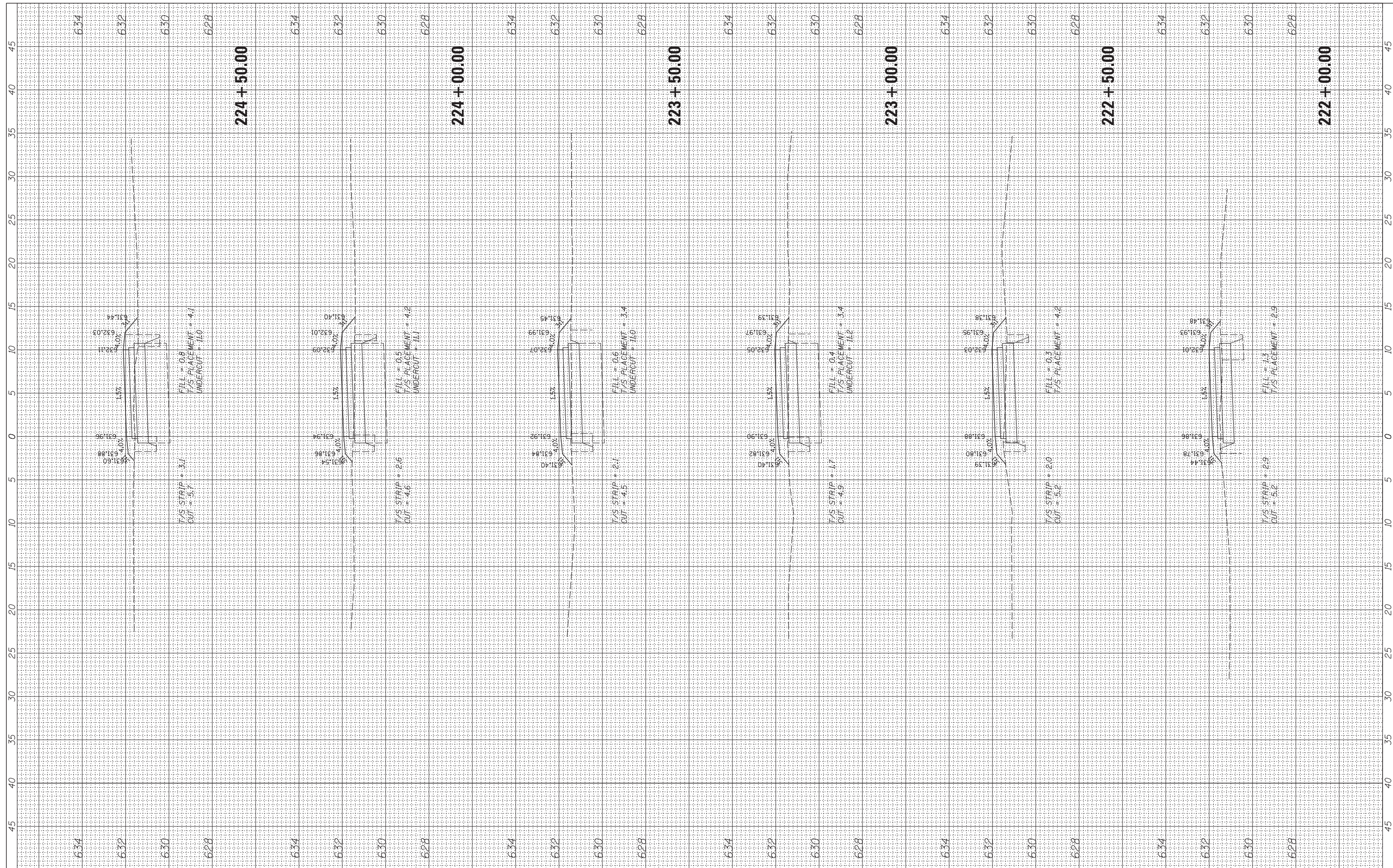
**DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 219+00.00 TO STA. 221+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	131
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

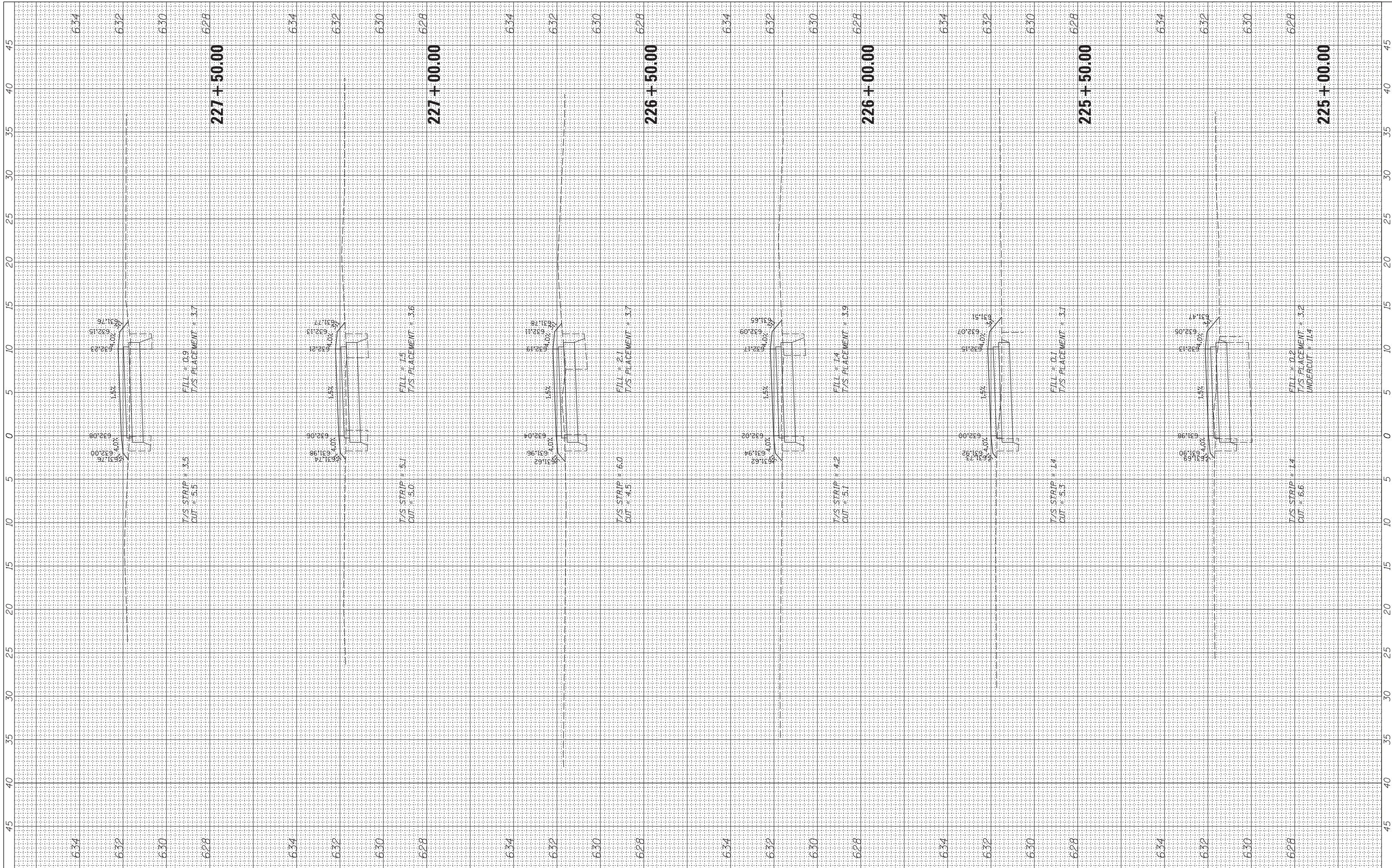
**DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 222+00.00 TO STA. 224+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	132
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED



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DRAWN -	REVISOR -
CHECKED -	REVISOR -
DATE -	REVISOR -

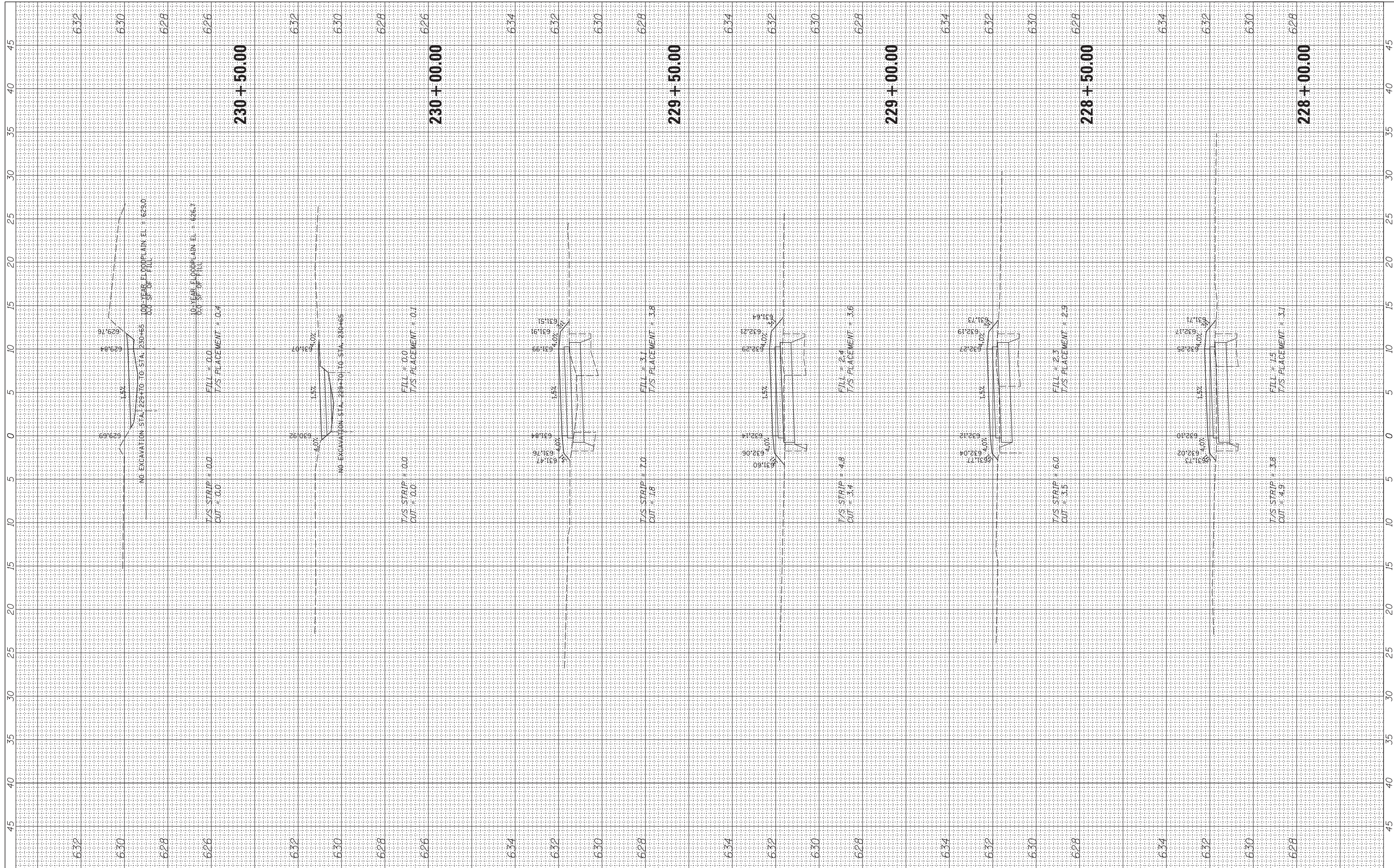
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 225+00.00 TO STA. 227+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	133
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

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

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



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CHECKED -	REVISOR -
DATE -	REVISOR -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

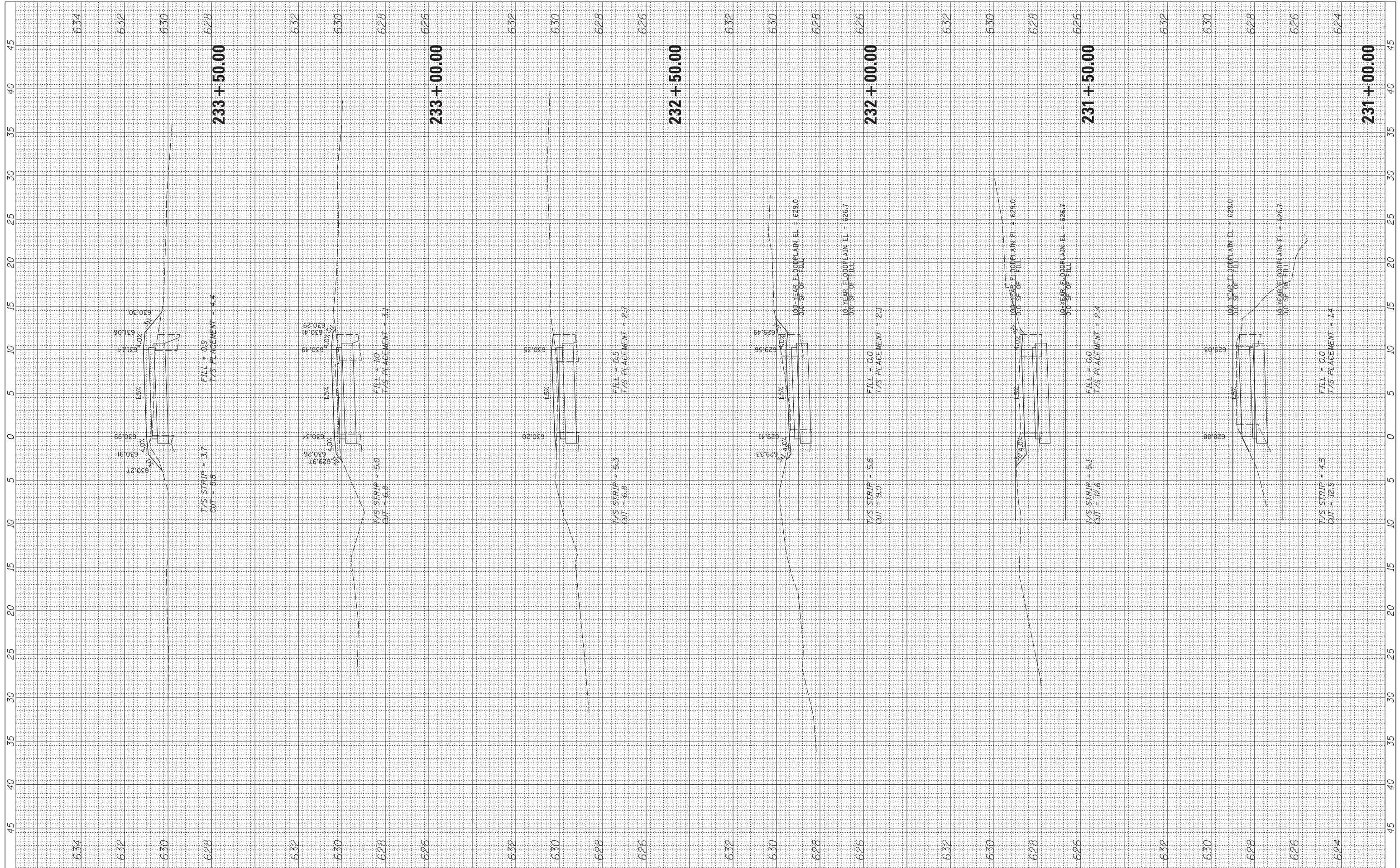
DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 228+00.00 TO STA. 230+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	134
			CONTRACT NO. 61H78	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROSEMONT\860001.2127A\Civil\XS_2127A_01.SHT
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DESIGNED -	REVISOR -
DRAWN -	REVISOR -
CHECKED -	REVISOR -
DATE -	REVISOR -

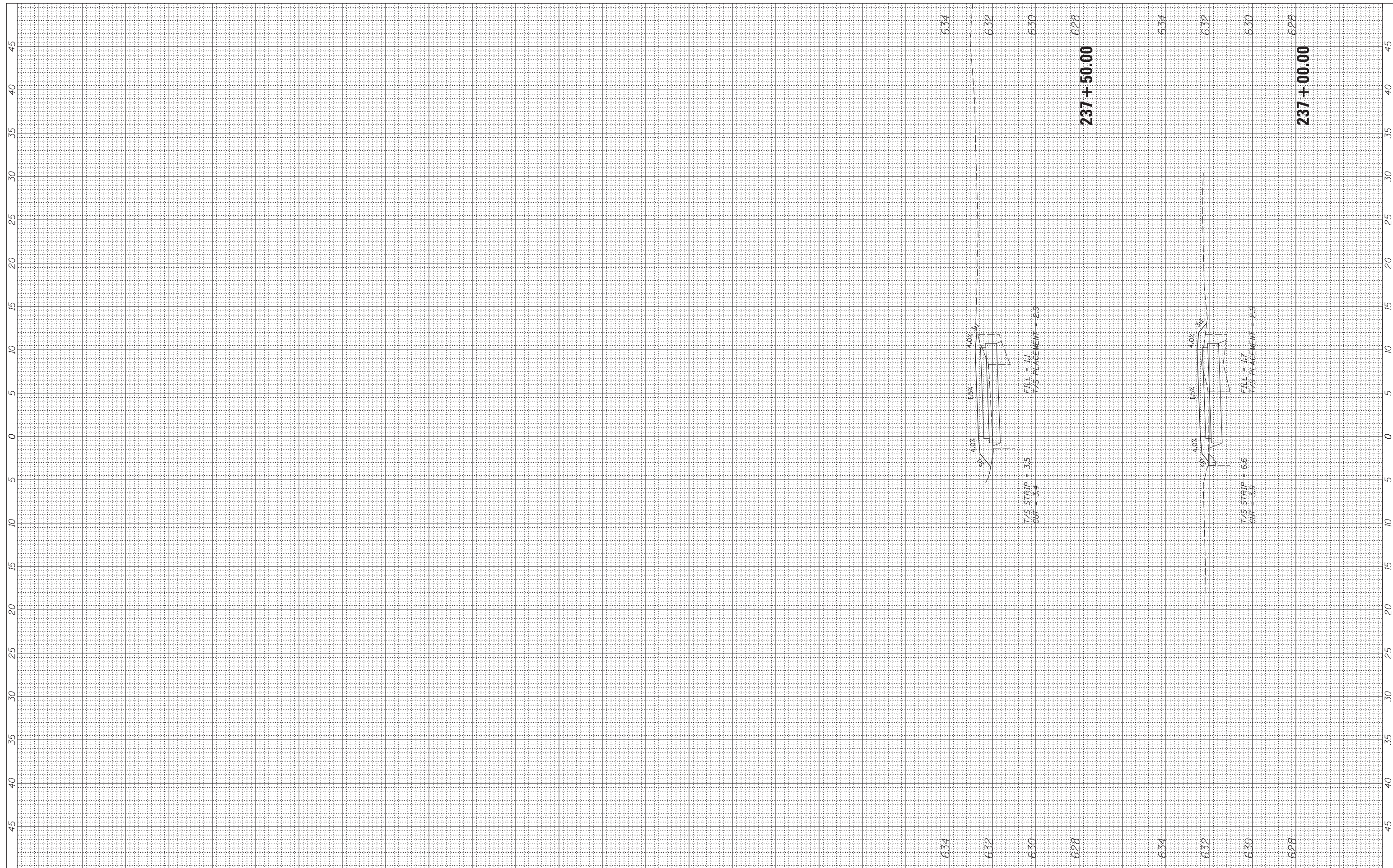
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 231+00.00 TO STA. 233+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	135
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME = N:\ROSEMONT\860001.2127A\Civil\XS_2127A_01.SHT

USER NAME = morman
 PLOT SCALE = 5'
 PLOT DATE = 4/26/2022

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 2
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 237+00.00 TO STA. 237+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	137	137
CONTRACT NO. 61H78				
ILLINOIS FED. AID PROJECT				