

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	1
		ILLINOIS	CONTRACT NO. 61J18	

01-20-2023 LETTING ITEM 107

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

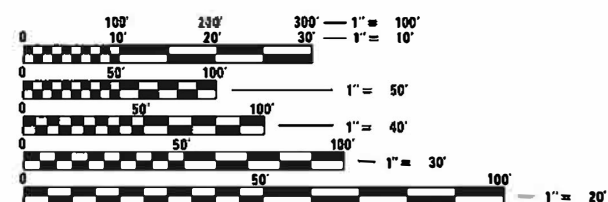
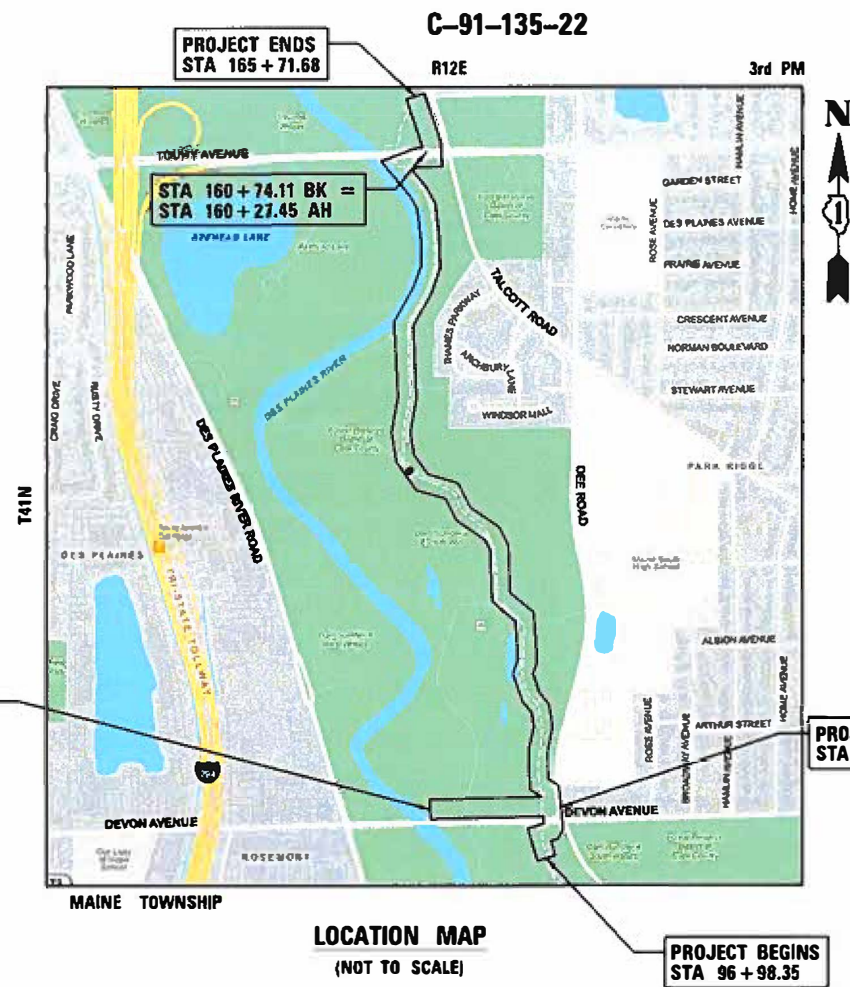
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

DES PLAINES RIVER TRAIL SEGMENT 1
DEVON AVENUE TO TOUHY AVENUE
SECTION 17-00034-01-BT
PROJECT MAQA(510)
SHARED-USE PATH RECONSTRUCTION
CITY OF PARK RIDGE
COOK COUNTY

TRAFFIC DATA

DES PLAINES RIVER TRAIL, ADT=1,000 USERS PER DAY (2022)
DEVON AVENUE, ADT= 11,200 VPD, 40 MPH POSTED SPEED, MINOR ARTERIAL
DEE ROAD, ADT=14,800 VPD, 35 MPH POSTED SPEED, MAJOR COLLECTOR
TOUHY AVENUE, ADT=26,400 VPD, 40 MPH POSTED SPEED, PRINCIPAL ARTERIAL
TALCOTT ROAD, ADT=12,400 VPD, 40 MPH POSTED SPEED, MAJOR COLLECTOR



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

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

LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 7,722.23 FT. = 1.46 MILE
NET LENGTH = 7,722.23 FT. = 1.46 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.

MARK B. THOMAS
ENGINEER
ILLINOIS REGISTRATION No. 062-067218
EXPIRATION DATE: 11/30/2023

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>Chris Stately</i> OCTOBER 3, 2022 DIRECTOR OF PLANNING AND DEVELOPMENT FOREST PRESERVE DISTRICT OF COOK COUNTY
APPROVED	<i>Janet L. Murphy</i> Oct. 20, 2022 CITY ENGINEER CITY OF PARK RIDGE
PASSED	<i>NOV. 7, 2022</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	<i>NOVEMBER 7, 2022</i> REGIONAL ENGINEER

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OF THE STATE OF ILLINOIS**

CONTRACT NO. 61J18

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

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

GENERAL NOTES

- 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" (MUTCD), THE "DETAILS" IN THE PLANS, AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- 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.
- 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.
- THE CONTRACTOR SHALL NOTIFY SARAH MITCHELL, CITY ENGINEER, CITY OF PARK RIDGE AT 847-318-5455 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- 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. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED.
- 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.
- 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.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
- 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.
- 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.
- DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG DEVON AVENUE, DEE ROAD, TOUHY ROAD, AND TALCOTT ROAD, ALL ROADS 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.
- 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.

15. THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT FADI.SULTAN@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.

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COMMITMENTS

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

FILE NAME: \\mspark\ridge\220091\civil\1\DOT_220091.dwg	USER NAME: rnthomas	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 INDEX OF SHEETS, HIGHWAY STANDARDS, DISTRICT 1 DETAILS, COMMITMENTS AND GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PL SCALE: 4"	CHECKED: -	REVISED: -	17-00034-00-BT			COOK	121	2		
PL DATE: 11/11/2022	DATE: -	REVISED: -	CONTRACT NO. 61J18							
			ILLINOIS FED. AID PROJECT							
			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

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 (JAN 1, 2022) 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.E. AT 1-800-992-0123.

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.
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE 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.
- 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 FROM THE MUNICIPALITY 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

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

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 $\frac{3}{4}$ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO $\frac{1}{4}$ 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 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 LADEN 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:\Park_Ridge\220091\Civil\1\NOT_220091.dwg	USER NAME = mthomas	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 MWRD GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 48'	DRAWN =	REVISED =				17-00034-00-BT	COOK	121	3	
	PLOT DATE = 11/10/2022	CHECKED =	REVISED =			CONTRACT NO. 61J18					
		DATE =	REVISED =			SCALE:	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT

						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		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	70	70	
Δ		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	100	100	
Δ		20101700	SUPPLEMENTAL WATERING	UNIT	100	100	
		20200100	EARTH EXCAVATION	CU YD	1402	1402	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1455	1455	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	8990	8990	
Δ		25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	175	175	
		28000315	AGGREGATE DITCH CHECK	TON	8	8	
		28000400	PERIMETER EROSION BARRIER	FOOT	13923	13923	
		28000510	INLET FILTERS	EACH	6	6	
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	5100	5100	
		28100107	STONE RIPRAP, CLASS A4	SQ YD	20	20	

						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
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2	
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2	
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4	4	
		54262708	METAL FLARED END SECTIONS 8"	EACH	2	2	
		54262710	METAL FLARED END SECTIONS 10"	EACH	2	2	
		54262712	METAL FLARED END SECTIONS 12"	EACH	2	2	
		54262715	METAL FLARED END SECTIONS 15"	EACH	2	2	
		542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	16	16	
		542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	14	14	
		542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	32	32	
		542D0213	PIPE CULVERTS, CLASS D, TYPE 1 8"	FOOT	16	16	
		542D0215	PIPE CULVERTS, CLASS D, TYPE 1 10"	FOOT	16	16	
		542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	16	16	
		542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	16	16	
		59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	345	345	
		60600605	CONCRETE CURB, TYPE B	FOOT	125	125	

CONSTRUCTION CODE ITEP FUNDS 80%
FEDS / 20% STATE

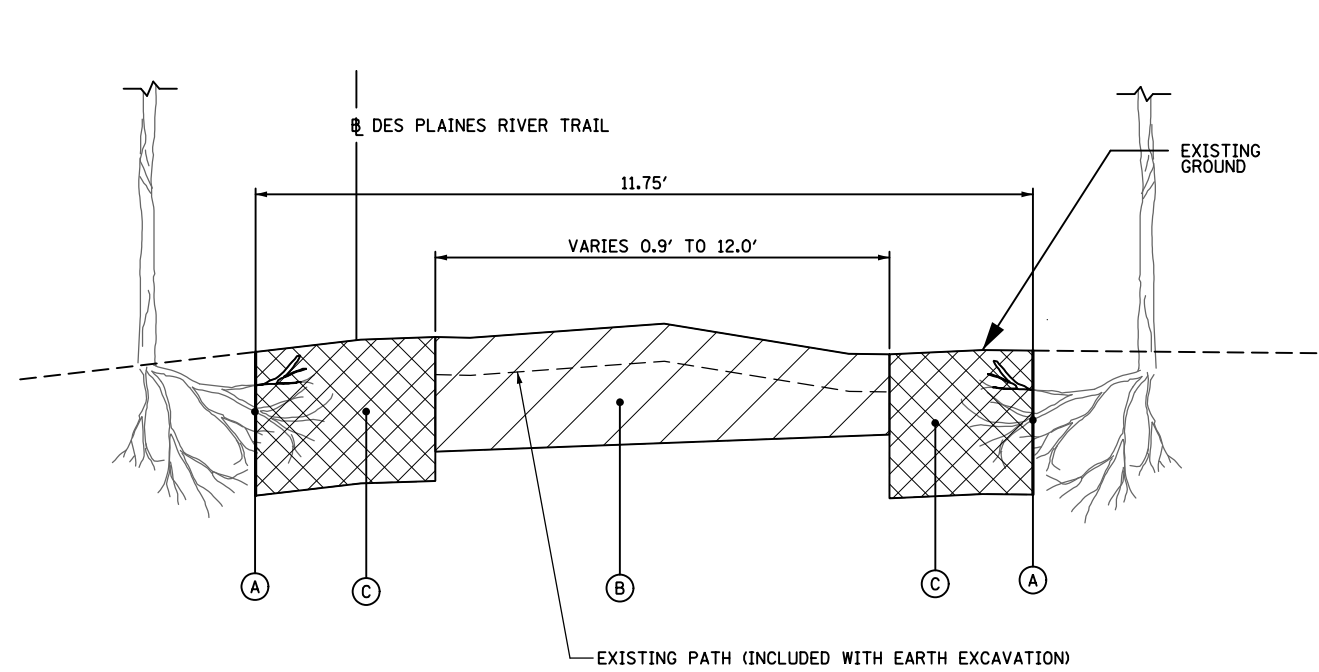
SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	FACILITIES FOR BICYCLE/PEDESTRIAN TRAILS 0028 URBAN	TRAINEES 0042 URBAN
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	111	111	
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	118	118	
	*	60623800	CONCRETE BARRIER MEDIAN	SQ FT	53	53	
Δ	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	10	10	
Δ	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
Δ	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
Δ	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
Δ	*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	
		67100100	MOBILIZATION	L SUM	1	1	
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	90	90	
		70300100	SHORT TERM PAVEMENT MARKING	FT	262	262	
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	415	415	

CONSTRUCTION CODE ITEP FUNDS 80%
FEDS / 20% STATE

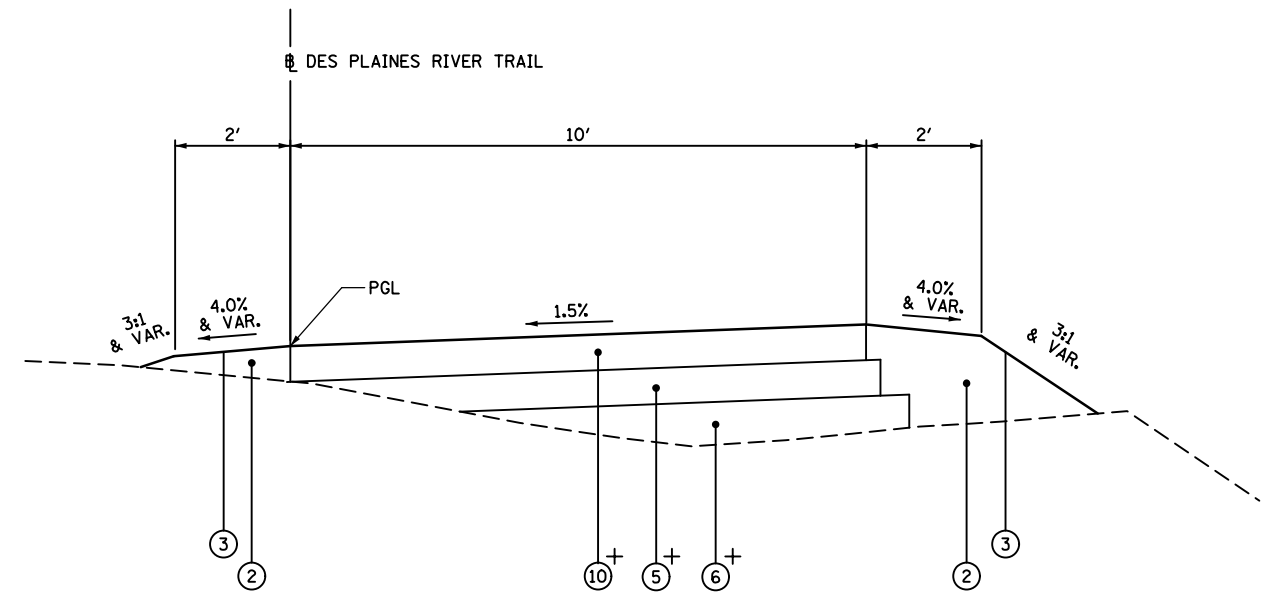
SPECIALTY	SPECIAL PROVISION	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	FACILITIES FOR BICYCLE/PEDESTRIAN	
						TRAILS 0028 URBAN	TRAINEES 0042 URBAN
Δ		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	326	326	
Δ		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	740	740	
Δ		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	853	853	
Δ		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	186	186	
Δ		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	415	415	
Δ		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	95	95	
Δ	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2	
Δ		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1397	1397	
Δ		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1446	1446	
Δ		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	192.5	192.5	
Δ		87900200	DRILL EXISTING HANDHOLE	EACH	7	7	
Δ		88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8	
Δ		88600100	DETECTOR LOOP, TYPE I	FOOT	139	139	
Δ	*	89502200	MODIFY EXISTING CONTROLLER	EACH	2	2	
Δ	*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2	2	
	*	X0326806	WASHOUT BASIN	L SUM	1	1	

						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	*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	7	7	
	*	X2010400	STUMP REMOVAL ONLY	UNIT	1453	1453	
	*	X2011001	HIGH VISIBILITY TEMPORARY FENCING	FOOT	957	957	
	*	X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	1280	1280	
Δ	*	X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	1.5	1.5	
Δ	*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	6977	6977	
	*	X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	53	53	
	*	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	344	344	
Δ	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8	
Δ	*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28	28	
Δ	*	XX007037	SAFETY FENCE	FOOT	100	100	
	*	XX008310	AGGREGATE SURFACE COURSE, TYPE B 3" (SPECIAL)	SQ YD	6861	6861	
Δ	*	XX009529	TREE ROOT PRESERVATION	SQ YD	1000	1000	
Δ	*	XX009531	TREE ROOT PRUNING (SPECIAL)	FOOT	7500	7500	
	*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	449	449	
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	

						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
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
Δ	*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2	2	
	*	Z0076600	TRAINEES	HOUR	500		500
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500

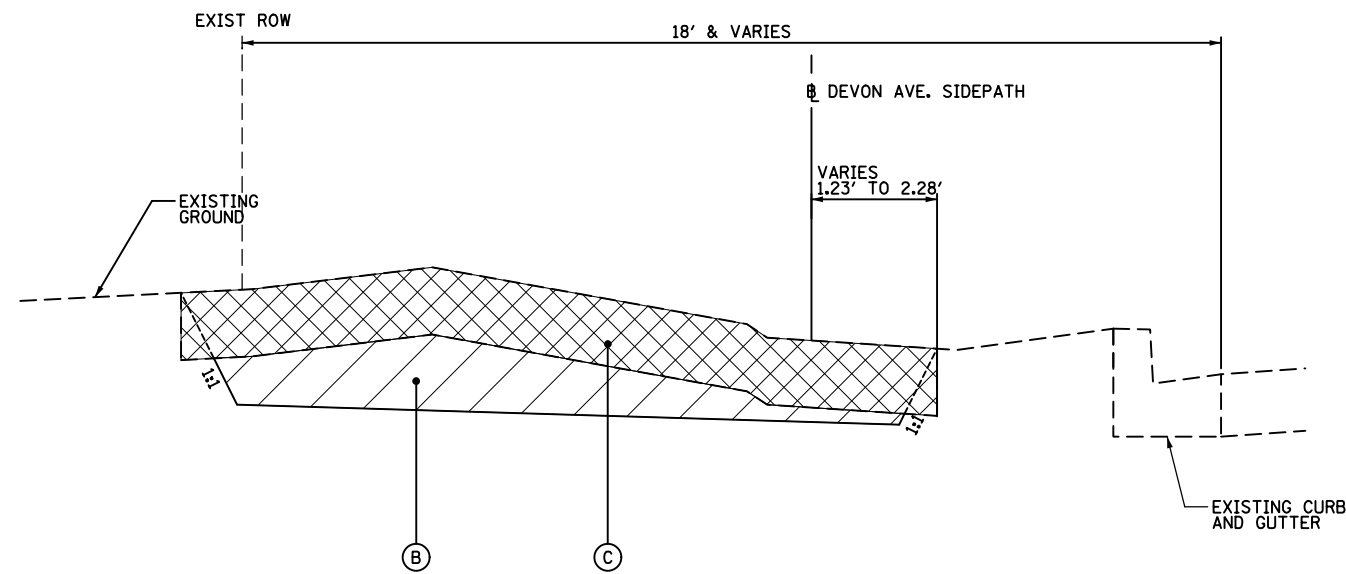


EXISTING TYPICAL SECTION
STA 100+35 TO STA 147+50
NO EXCAVATION STA 147+50 TO STA 157+00
STA 157+50 TO STA 166+24



+ 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 147+50 TO STA 157+00
(NO EXCAVATION ZONE)



DEVON AVE SIDEPATH
EXISTING TYPICAL SECTION
STA 69+35 TO STA 75+46

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 4 (MODIFIED) (X2501800)
- (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) SEGMENTAL CONCRETE BLOCK WALL (52200800)
- (13) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", 3" (40604060)

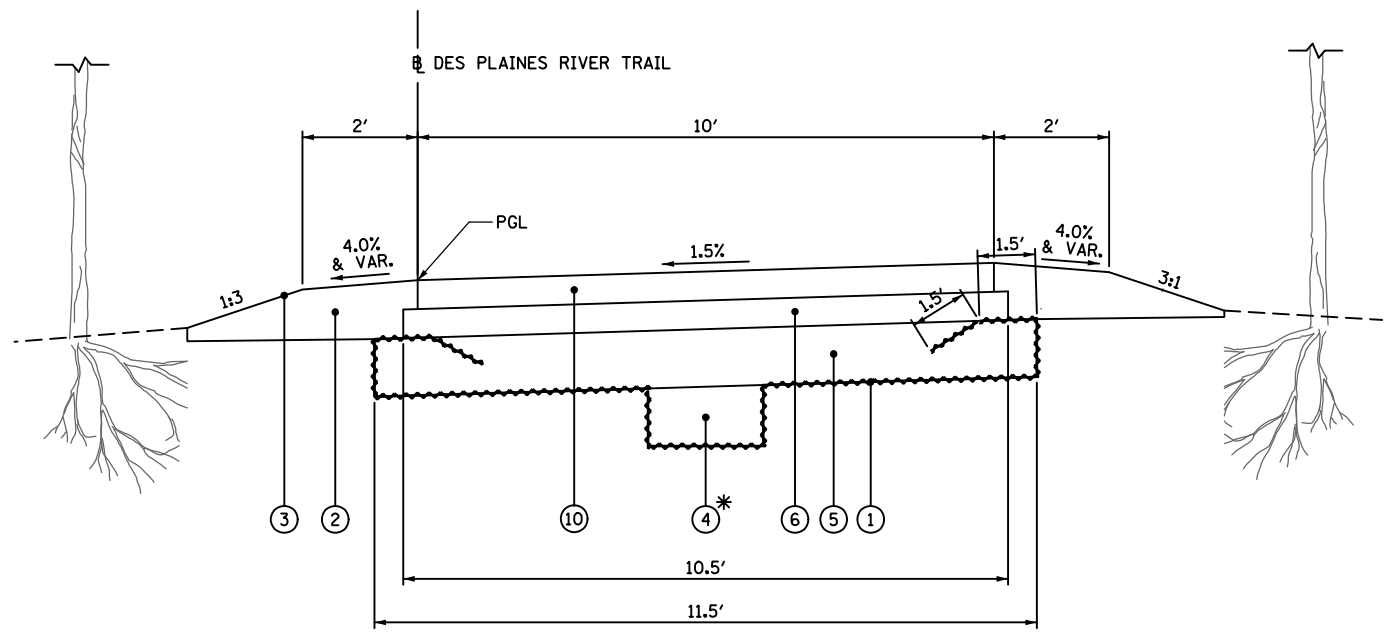
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
TYPICAL SECTIONS

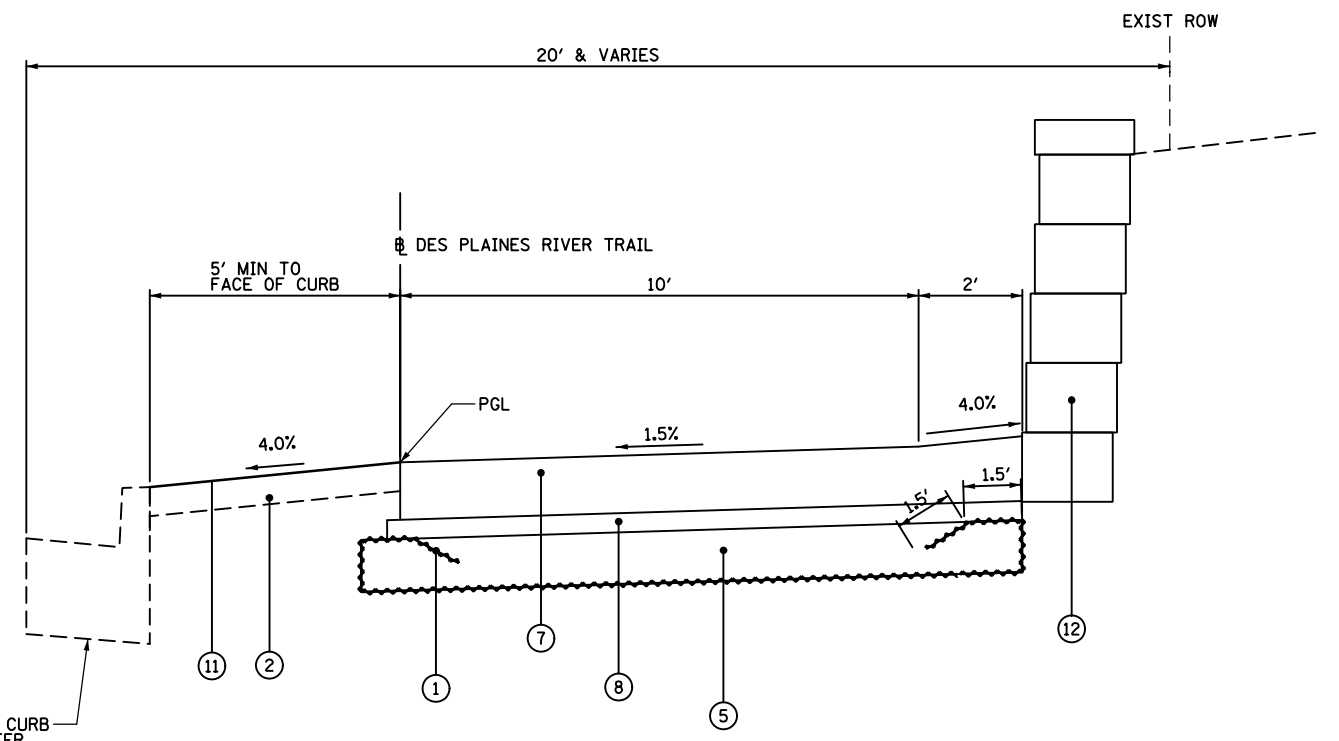
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	11
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

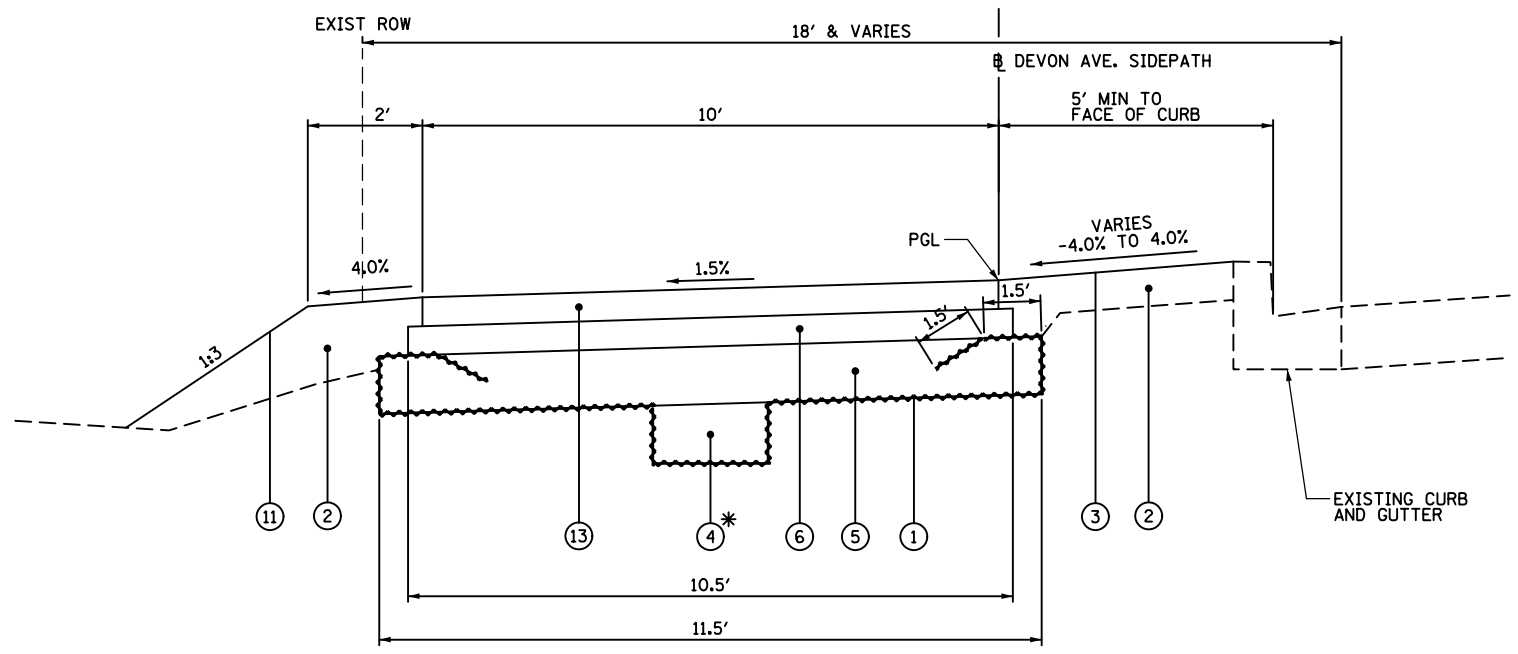


PROPOSED TYPICAL SECTION
STA 100+20 TO STA 118+14
STA 119+35 TO STA 157+04
STA 162+21 TO STA 165+53

* AT LOCATIONS AS DIRECTED BY THE ENGINEER



PROPOSED TYPICAL SECTION
STA 159+17 TO STA 160+42



DEVON AVE SIDEPATH
PROPOSED TYPICAL SECTION
STA 69+35 TO STA 77+37

* AT LOCATIONS AS DIRECTED BY THE ENGINEER

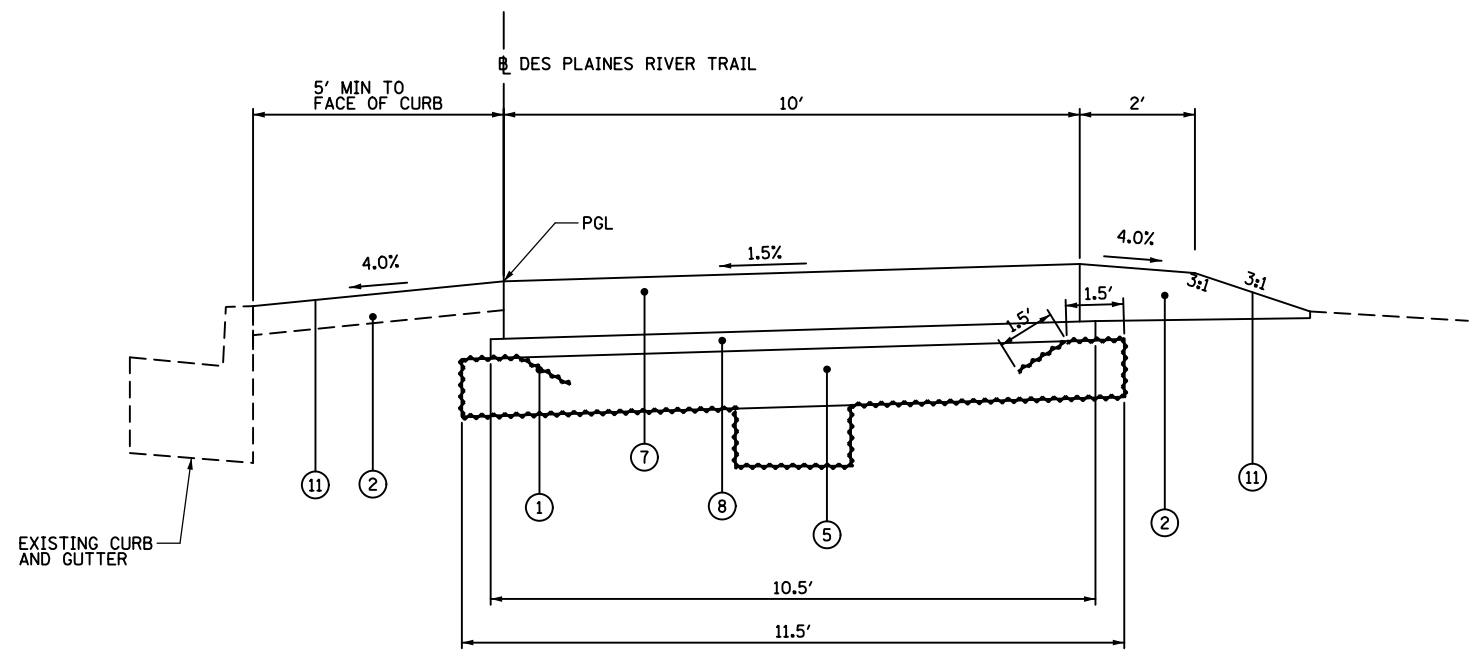
LEGEND	
(A)	TREE ROOT PRUNING (SPECIAL)
(B)	EARTH EXCAVATION (20200100)
(C)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
(1)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
(2)	TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100) (4" MIN)
(3)	SEEDING, CLASS 4 (MODIFIED) (X2501800)
(4)	REMOVAL 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)	SEGMENTAL CONCRETE BLOCK WALL (52200800)
(13)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", 3" (40604060)

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	PLOT DATE = 11/10/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1			
TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	12
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

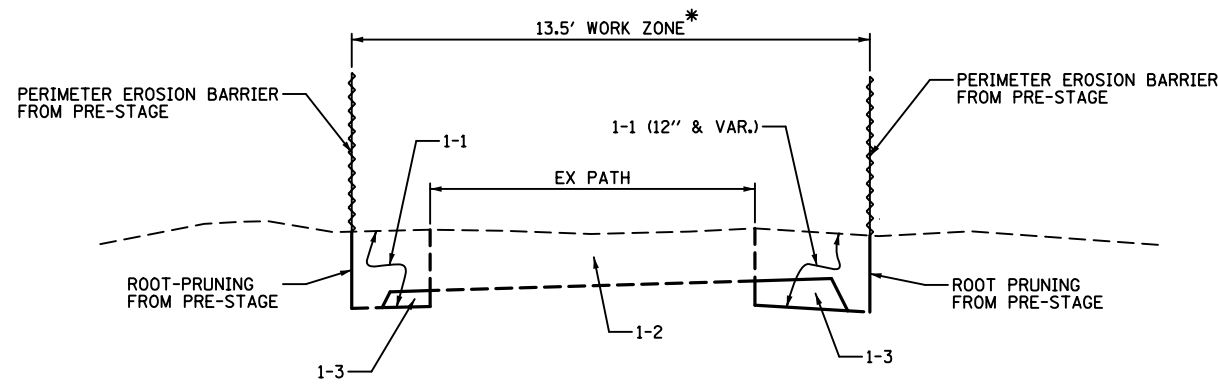


PROPOSED TYPICAL SECTION
STA 118+14 TO STA 119+35
STA 157+04 TO STA 160+50
STA 161+09 TO STA 162+21

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @NDES	QMP
SHARED USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 3" (IN 2 LIFTS)	4% @ 50 GYR.	LR-1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

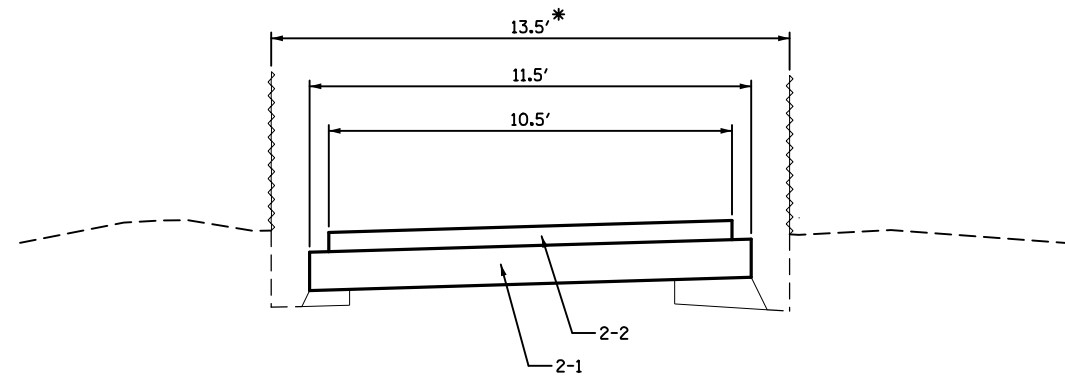
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQYD/IN.
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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 4 (MODIFIED) (X2501800)
(4)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) AND AGGREGATE SUBGRADE IMPROVEMENT (30300011)
(5)	SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)
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(8)	AGGREGATE BASE COURSE, TYPE B 2" (35101582)
(10)	AGGREGATE SURFACE COURSE, TYPE B 3" (SPECIAL) (XX008310)
(11)	SEEDING, CLASS 2A (25000312)
(12)	SEGMENTAL CONCRETE BLOCK WALL (52200800)
(13)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", 3" (40604060)

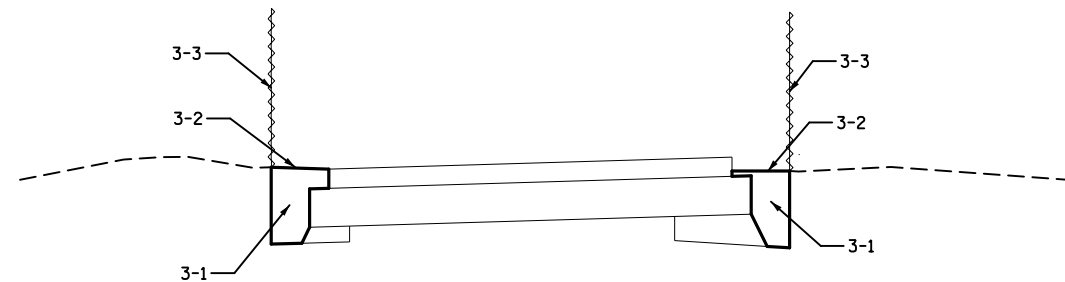


STAGE 1

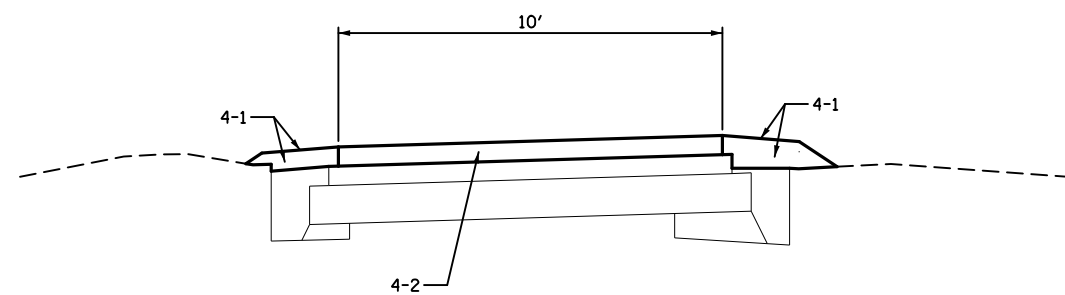
* 13.5' WORK ZONE WILL BE STRICTLY ENFORCED
CONTRACTOR SHALL BID ACCORDINGLY



STAGE 2



STAGE 3



STAGE 4

CONSTRUCTION STAGING DETAILS

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".

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 CONSTRUCTION STAGING DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Park Ridge\220091\Civil\ECP-DET.220091.01.sht	DRAWN -	REVISED -				17-00034-00-BT	COOK	121	14	
PLOT SCALE = 5'	CHECKED -	REVISED -				CONTRACT NO. 61J18				
Default	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 11/10/2022	DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, 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					134	28	24	56	-32	68
NORTH OF TOUHY AVE.										
161+50.00	9.0	3.8	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0
162+00.00	9.0	2.9	0.1	3.1	16.7	6.2	5.3	0.1	5.2	5.6
162+50.00	11.6	0.2	3.4	5.1	19.1	2.9	2.4	3.2	-0.8	7.6
163+00.00	9.9	6.2	0.3	4.4	19.9	5.9	5.0	3.4	1.6	8.8
163+50.00	9.0	0.0	10.6	6.4	17.5	5.7	4.9	10.1	-5.2	10.0
164+00.00	9.1	0.0	6.5	5.9	16.8	0.0	0.0	15.8	-15.8	11.4
164+50.00	9.0	0.0	3.4	4.4	16.8	0.0	0.0	9.2	-9.2	9.5
165+00.00	9.0	0.0	5.9	4.6	16.7	0.0	0.0	8.6	-8.6	8.3
165+50.00	2.5	7.8	0.0	2.4	10.6	7.2	6.1	5.5	0.7	6.5

SOIL REMEDIATION TABLE				
STATION	LENGTH FT	END AREA SQ FT	AVG END AREA SQ FT	VOLUME CU YD
117+00.0		11.4		
117+50.0	50.0	10.8	11.1	20.6
118+00.0	50.0	9.5	10.2	18.8
118+50.0	50.0	11.6	10.6	19.5
119+00.0	50.0	6.1	8.9	16.4
119+50.0	50.0	11.5	8.8	16.3
120+00.0	50.0	11.4	11.5	21.2
120+50.0	50.0	11.4	11.4	21.1
121+00.0	50.0	5.6	8.5	15.7
121+50.0	50.0	5.7	5.7	10.5
122+00.0	50.0	5.7	5.7	10.6
122+50.0	50.0	5.7	5.7	10.6
132+00.0		23.2		0.0
132+50.0	50.0	32.2	27.7	51.3
133+00.0	50.0	22.7	27.5	50.8
20% CONTINGENCY				56.7
TOTAL UNDERCUT VOLUME				340

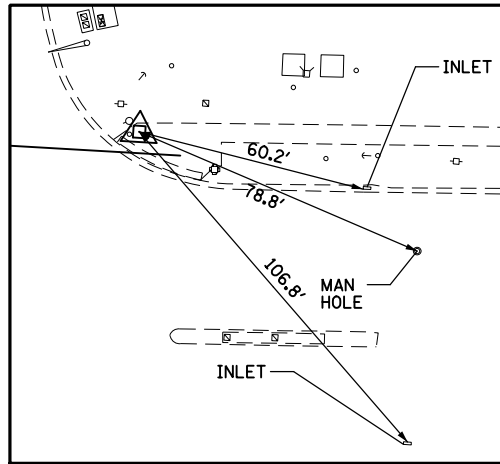
EARTHWORK SUMMARY						
LOCATION	(1) TOPSOIL STRIPPING (CU YD)	(2) CUT VOLUME (EARTH EXCAVATION) (CU YD)	(3) EXCAVATION AVAILABLE FOR EMBANKMENTS ADJUSTED BY 15% SHRINKAGE FACTOR (CU YD)	(4) EMBANKMENT (FILL) (CU YD)	(5) EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	(6) TOPSOIL PLACEMENT (CU YD)
DES PLAINES RIVER TRAIL ALONG SOUTH DEE ROAD SOUTH OF DEVON AVE.	86	6	5	70	-65	39
DEVON AVENUE SOUTH OF DEE ROAD	165	80	68	10	58	74
DES PLAINES RIVER TRAIL ALONG SOUTH DEE ROAD NORTH OF DEVON (CONTINUED)	544	1,054	896	218	678	860
DES PLAINES RIVER TRAIL NORTH OF TOUHY AVE.	134	28	24	56	-32	68
UNDER PASS ON DEVON AVE	0	0	0	342	0	31
20% CONTINGENCY	186	234				208
PROJECT TOTALS	1,115	1,402	993	696	639	1,280

EARTH EXCAVATION (20200100)		1,402
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)		1,455
TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)		1,280
AGGREGATE SUBGRADE IMPROVEMENT (30300001)		340

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

NOTE

ASSUME TOPSOIL STRIP BASED ON GEOTECH REPORT
STA. 97+00 TO STA. 99+00 12"
STA. 100+50 TO STA. 160+00 7"
STA. 69+50 TO STA. 76+00 7"
STA. 160+00 TO STA. 76+01 8"



CP 5831 - 5210
 STA. 99+89.40, 119.49 RT
 N 1941526.13
 E 1114190.16

PROP. CURVE PR_SEG18
 PI STA. = 104+09.20
 $\Delta = 14^\circ 21' 25''$ (RT)
 D = 22° 55' 06"
 R = 250.00'
 T = 31.49'
 L = 62.64'
 E = 1.98'
 P.C. STA. = 103+77.72
 P.T. STA. = 104+40.36

PROP. CURVE PR_SEG17
 PI STA. = 102+81.84
 $\Delta = 40^\circ 31' 26''$ (RT)
 D = 52° 05' 13"
 R = 110.00'
 T = 40.61'
 L = 77.80'
 E = 7.26'
 P.C. STA. = 102+41.23
 P.T. STA. = 103+19.03

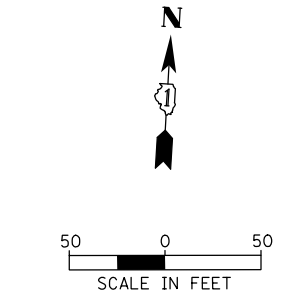
PROP. CURVE PR_SEG14
 PI STA. = 100+47.42
 $\Delta = 30^\circ 24' 56''$ (LT)
 D = 114° 35' 30"
 R = 50.00'
 T = 13.59'
 L = 26.54'
 E = 1.81'
 P.C. STA. = 100+33.83
 P.T. STA. = 100+60.37

PROP. CURVE PR_SEG13
 PI STA. = 100+19.26
 $\Delta = 28^\circ 25' 32''$ (RT)
 D = 95° 29' 35"
 R = 60.00'
 T = 15.20'
 L = 29.77'
 E = 1.89'
 P.C. STA. = 100+04.06
 P.T. STA. = 100+33.83

ELEVATION BENCHMARKS DATUM: NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM	IRON ROD W/ CAP JUST WEST OF GRAVEL	632.65
5211	PATH WEST OF DEE RD. AND JUST EAST BIKE PATH TUNNEL UNDER DEVON AV. AND JUST NORTH OF CURB ON NORTH SIDE OF DEVON AV. WEST OF THE INTERSECTION OF DEE RD. & DEVON AV.	

PROP. CURVE PR_D22
 PI STA. = 75+80.44
 $\Delta = 24^\circ 18' 22''$ (RT)
 D = 115° 44' 57"
 R = 49.50'
 T = 10.66'
 L = 21.00'
 E = 1.13'
 P.C. STA. = 75+69.78
 P.T. STA. = 75+90.78

PROP. CURVE PR_SEG16
 PI STA. = 101+46.73
 $\Delta = 39^\circ 15' 26''$ (LT)
 D = 57° 17' 45"
 R = 100.00'
 T = 35.66'
 L = 68.52'
 E = 6.17'
 P.C. STA. = 101+11.07
 P.T. STA. = 101+79.58



PROP. CURVE PR_SEG15
 PI STA. = 100+85.72
 $\Delta = 2^\circ 19' 25''$ (RT)
 D = 4° 35' 01"
 R = 1,250.00'
 T = 25.35'
 L = 50.69'
 E = 0.26'
 P.C. STA. = 100+60.37
 P.T. STA. = 101+11.07

POT Sta 66+96.90

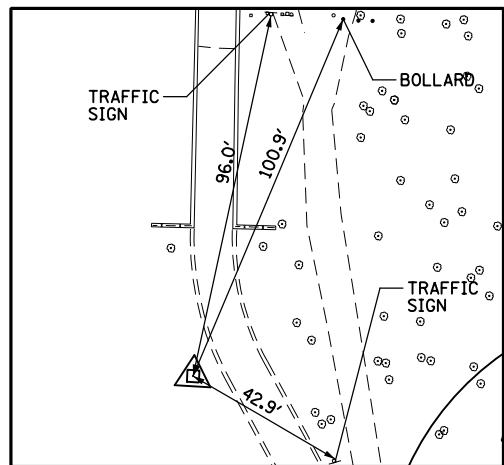
PI Sta 72+27.29

PROJECT LIMIT
 STA 69+34.61

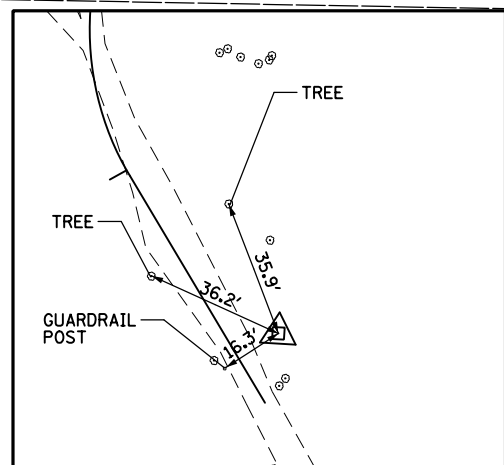
PROP. CURVE PR_D21
 PI STA. = 75+58.31
 $\Delta = 22^\circ 00' 00''$ (LT)
 D = 94° 42' 14"
 R = 60.50'
 T = 11.76'
 L = 23.23'
 E = 1.13'
 P.C. STA. = 75+46.55
 P.T. STA. = 75+69.78

EQUATION:
 Sta 99+50.00 BK =
 Sta 99+49.91 AH

PROJECT LIMIT
 STA 77+36.85



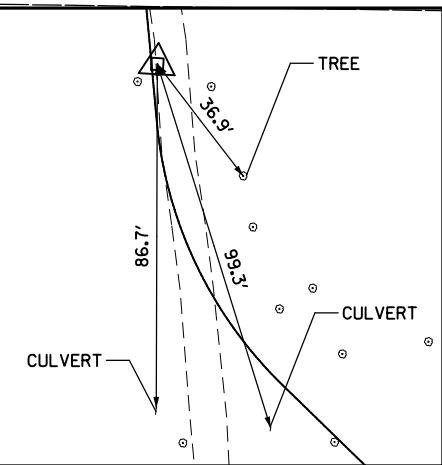
CP 5963 - REBAR
 STA. 97+61.26, 60.77 LT
 N 1941328.30
 E 1113981.32



CP 6333 - REBAR
 STA. 96+90.51, 12.26 RT
 N 1941200.53
 E 1114087.27

PROP. CURVE PR_SEG11
 PI STA. = 97+76.13
 $\Delta = 92^\circ 51' 07''$ (RT)
 D = 77° 25' 36"
 R = 74.00'
 T = 77.78'
 L = 119.92'
 E = 33.36'
 P.C. STA. = 96+98.35
 P.T. STA. = 98+18.28

PROP. CURVE PR_SEG12
 PI STA. = 98+52.60
 $\Delta = 68^\circ 56' 04''$ (LT)
 D = 114° 35' 30"
 R = 50.00'
 T = 34.32'
 L = 60.16'
 E = 10.65'
 P.C. STA. = 98+18.28
 P.T. STA. = 98+78.43



CP 3374 - PK
 STA. 103+49.30, 1.52 RT
 N 1941820.36
 E 1113944.13

PROJECT BEGINS
 STA 96+98.35

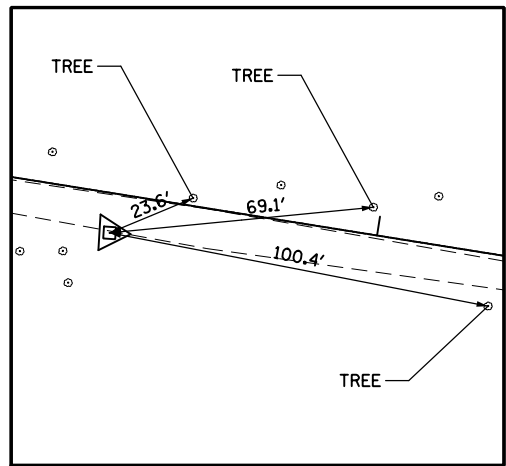
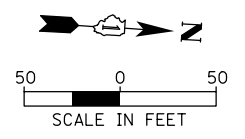
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Default	PLOT SCALE = 100'	CHECKED -	REVISED -
	PLOT DATE = 11/10/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

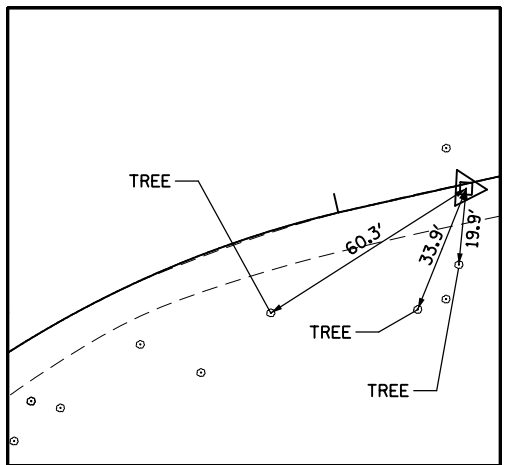
DES PLAINES RIVER TRAIL SEGMENT 1
 ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	18
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				



CP 3351 - PK
STA. 105+31.13, 10.35 RT
N 1941999.98
E 1113956.18



CP 3274 - PK
STA. 111+33.86, 1.19 RT
N 1942568.07
E 1113815.51

PROP. CURVE PR_SEG11
PI STA. = 110+34.05
Δ = 29° 05' 24" (RT)
D = 20° 27' 46"
R = 280.00'
T = 72.65'
L = 142.16'
E = 9.27'
P.C. STA. = 109+61.40
P.T. STA. = 111+03.56

PROP. CURVE PR_SEG115
PI STA. = 118+48.30
Δ = 89° 22' 15" (RT)
D = 163° 42' 08"
R = 35.00'
T = 34.62'
L = 54.59'
E = 14.23'
P.C. STA. = 118+13.68
P.T. STA. = 118+68.27

PROP. CURVE PR_SEG114
PI STA. = 117+63.92
Δ = 39° 40' 57" (LT)
D = 38° 11' 50"
R = 150.00'
T = 54.13'
L = 103.89'
E = 9.47'
P.C. STA. = 117+09.79
P.T. STA. = 118+13.68

PROP. CURVE PR_SEG112
PI STA. = 111+82.95
Δ = 18° 21' 20" (RT)
D = 28° 38' 52"
R = 200.00'
T = 32.31'
L = 64.07'
E = 2.59'
P.C. STA. = 111+50.63
P.T. STA. = 112+14.71

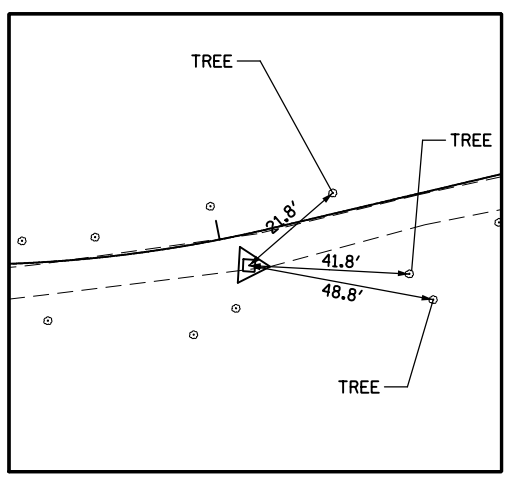
PROP. CURVE PR_SEG110
PI STA. = 109+37.09
Δ = 28° 27' 29" (LT)
D = 57° 17' 45"
R = 100.00'
T = 25.36'
L = 49.67'
E = 3.16'
P.C. STA. = 109+11.73
P.T. STA. = 109+61.40

PROP. CURVE PR_SEG113
PI STA. = 115+83.76
Δ = 52° 20' 47" (LT)
D = 57° 17' 45"
R = 100.00'
T = 49.15'
L = 91.36'
E = 11.42'
P.C. STA. = 115+34.61
P.T. STA. = 116+25.97

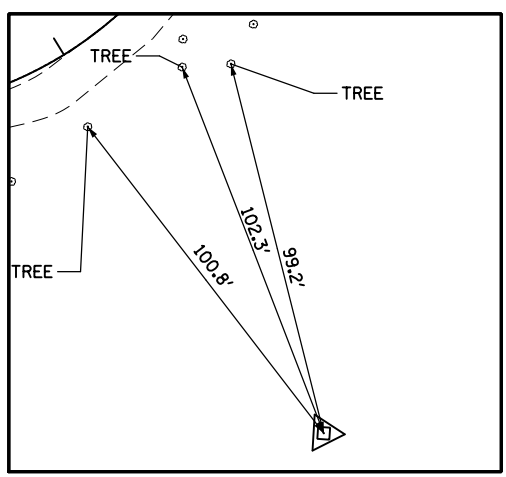
PROP. CURVE PR_SEG19
PI STA. = 107+45.81
Δ = 22° 21' 49" (LT)
D = 16° 22' 13"
R = 350.00'
T = 69.19'
L = 136.61'
E = 6.77'
P.C. STA. = 106+76.62
P.T. STA. = 108+13.23

MATCH LINE STA. 105+00

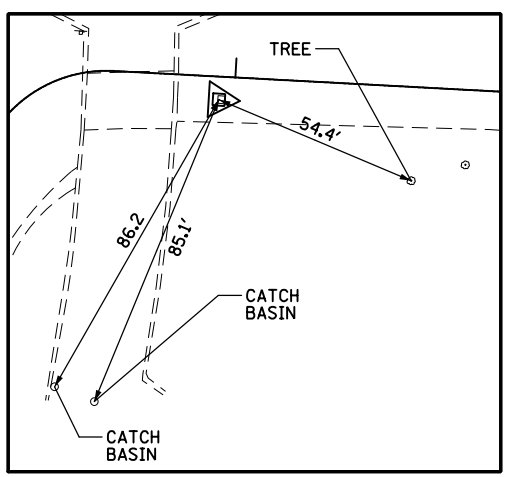
MATCH LINE STA. 120+00



CP 3310 - PK
STA. 108+06.07, 8.16 RT
N 1942276.19
E 1113957.40

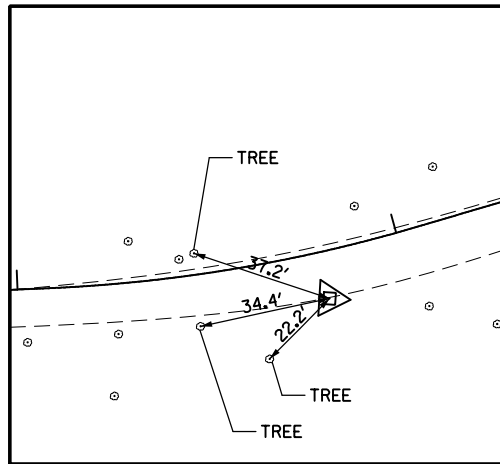


CP 4083 - XCUT
STA. 116+02.59, 119.54 RT
N 1943101.83
E 1113891.74

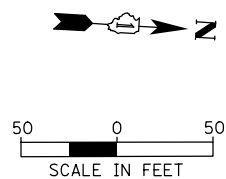


CP 4082 - XCUT
STA. 118+95.96, 6.02 RT
N 1943199.15
E 1113591.07

FILE NAME = N:\Park Ridge\220091\Civil\ATB_220091.02.sht	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 ALIGNMENT, TIES AND BENCHMARKS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100'	DRAWN -	REVISED -			17-00034-01-BT	COOK	121	19		
	PLOT DATE = 11/10/2022	CHECKED -	REVISED -			CONTRACT NO. 61J18					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.



CP 3403 - PK
 STA. 122+79.32, 12.35 RT
 N 1943583.90
 E 1113569.88



PROP. CURVE PR_SEG121
 PI STA. = 132+80.93
 $\Delta = 66^\circ 40' 37''$ (RT)
 D = 28° 38' 52"
 R = 200.00'
 T = 131.57'
 L = 232.75'
 E = 39.40'
 P.C. STA. = 131+49.37
 P.T. STA. = 133+82.11

PROP. CURVE PR_SEG119
 PI STA. = 127+04.84
 $\Delta = 34^\circ 28' 57''$ (RT)
 D = 16° 22' 13"
 R = 350.00'
 T = 108.62'
 L = 210.64'
 E = 16.47'
 P.C. STA. = 125+96.22
 P.T. STA. = 128+06.86

PROP. CURVE PR_SEG122
 PI STA. = 135+25.69
 $\Delta = 7^\circ 18' 18''$ (RT)
 D = 9° 32' 57"
 R = 600.00'
 T = 38.30'
 L = 76.50'
 E = 1.22'
 P.C. STA. = 134+87.39
 P.T. STA. = 135+63.89

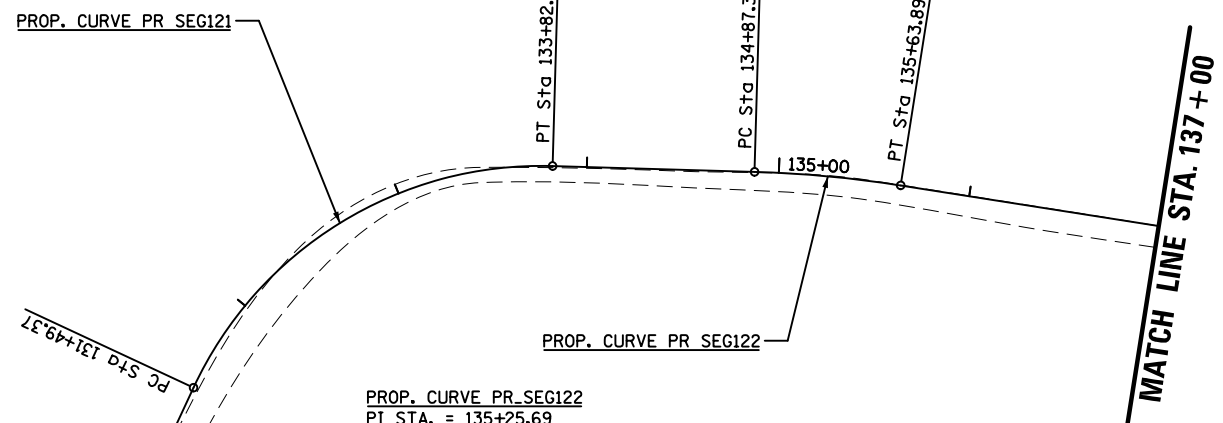
PROP. CURVE PR_SEG123
 PI STA. = 137+67.07
 $\Delta = 7^\circ 25' 04''$ (RT)
 D = 8° 11' 06"
 R = 700.00'
 T = 45.38'
 L = 90.63'
 E = 1.47'
 P.C. STA. = 137+21.69
 P.T. STA. = 138+12.32

PROP. CURVE PR_SEG116
 PI STA. = 120+83.85
 $\Delta = 5^\circ 31' 03''$ (LT)
 D = 5° 43' 46"
 R = 1,000.00'
 T = 48.19'
 L = 96.30'
 E = 1.16'
 P.C. STA. = 120+35.66
 P.T. STA. = 121+31.96

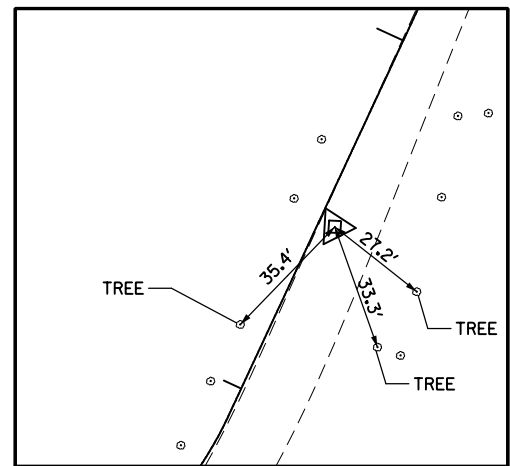
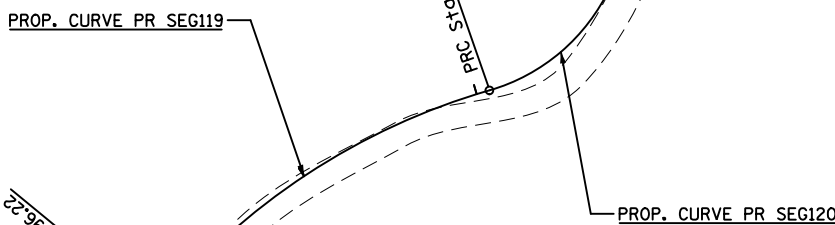
PROP. CURVE PR_SEG120
 PI STA. = 128+52.36
 $\Delta = 48^\circ 55' 24''$ (LT)
 D = 57° 17' 45"
 R = 100.00'
 T = 45.49'
 L = 85.39'
 E = 9.86'
 P.C. STA. = 128+06.86
 P.T. STA. = 128+92.25

PROP. CURVE PR_SEG118
 PI STA. = 124+47.69
 $\Delta = 34^\circ 08' 11''$ (LT)
 D = 47° 44' 47"
 R = 120.00'
 T = 36.84'
 L = 71.49'
 E = 5.53'
 P.C. STA. = 124+10.85
 P.T. STA. = 124+82.34

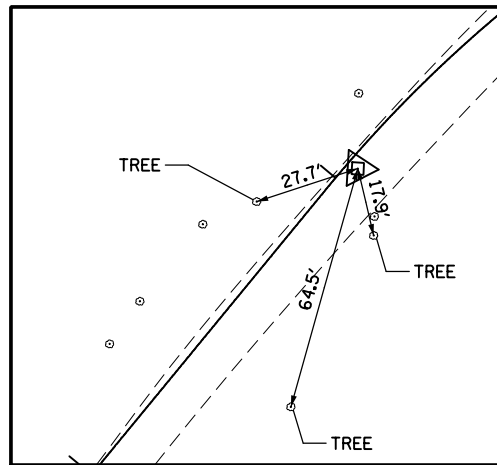
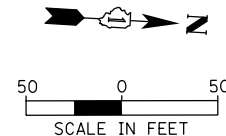
PROP. CURVE PR_SEG117
 PI STA. = 122+57.06
 $\Delta = 13^\circ 59' 29''$ (LT)
 D = 14° 19' 26"
 R = 400.00'
 T = 49.08'
 L = 97.68'
 E = 3.00'
 P.C. STA. = 122+07.98
 P.T. STA. = 123+05.66



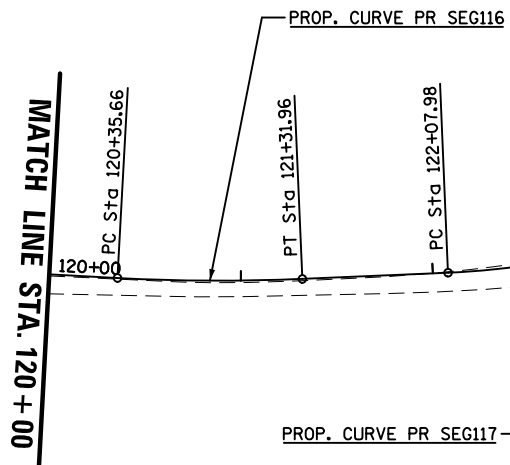
MATCH LINE STA. 137+00



CP 3460 - PK
 STA. 129+48.49, 4.31 RT
 N 1944078.65
 E 1113147.82



CP 3435 - PK
 STA. 126+05.68, 2.82 RT
 N 1943835.81
 E 1113374.10



MATCH LINE STA. 120+00

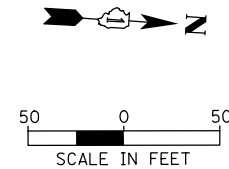
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Default	PLOT SCALE = 100'	CHECKED -	REVISED -
	PLOT DATE = 11/10/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

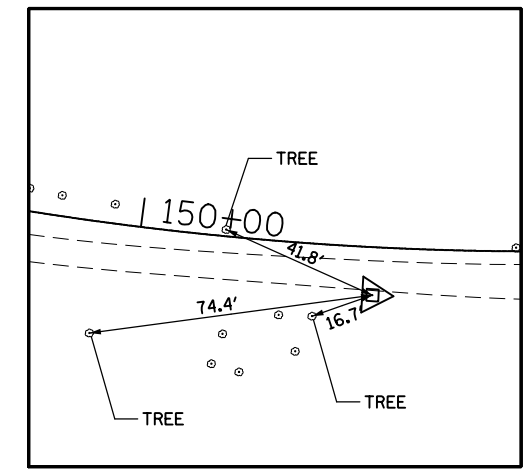
DES PLAINES RIVER TRAIL SEGMENT 1
 ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

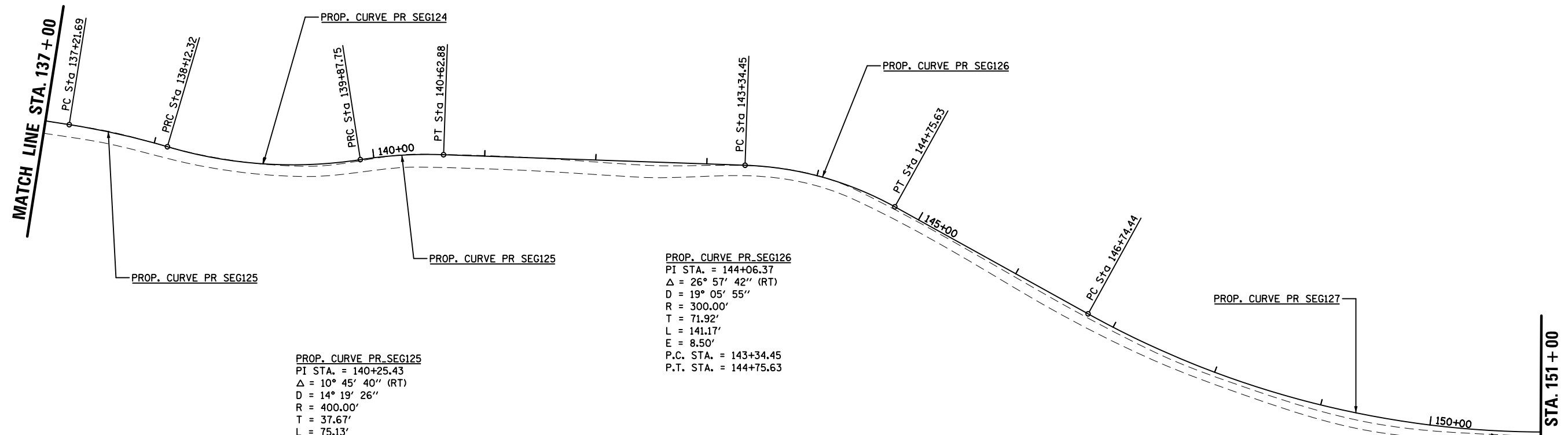
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	20
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				



PROP. CURVE PR_SEG124
 PI STA. = 139+01.47
 $\Delta = 25^\circ 07' 45''$ (LT)
 $D = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 89.15'$
 $L = 175.43'$
 $E = 9.81'$
 P.C. STA. = 138+12.32
 P.T. STA. = 139+87.75



CP 2978 - PK
 STA. 150+61.17, 12.51 RT
 N 1945967.04
 E 1113060.34



PROP. CURVE PR_SEG126
 PI STA. = 144+06.37
 $\Delta = 26^\circ 57' 42''$ (RT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 71.92'$
 $L = 141.17'$
 $E = 8.50'$
 P.C. STA. = 143+34.45
 P.T. STA. = 144+75.63

PROP. CURVE PR_SEG125
 PI STA. = 140+25.43
 $\Delta = 10^\circ 45' 40''$ (RT)
 $D = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 37.67'$
 $L = 75.13'$
 $E = 1.77'$
 P.C. STA. = 139+87.75
 P.T. STA. = 140+62.88

PROP. CURVE PR_SEG127
 PI STA. = 149+40.59
 $\Delta = 34^\circ 46' 19''$ (LT)
 $D = 6^\circ 44' 26''$
 $R = 850.00'$
 $T = 266.15'$
 $L = 515.85'$
 $E = 40.69'$
 P.C. STA. = 146+74.44
 P.T. STA. = 151+90.30

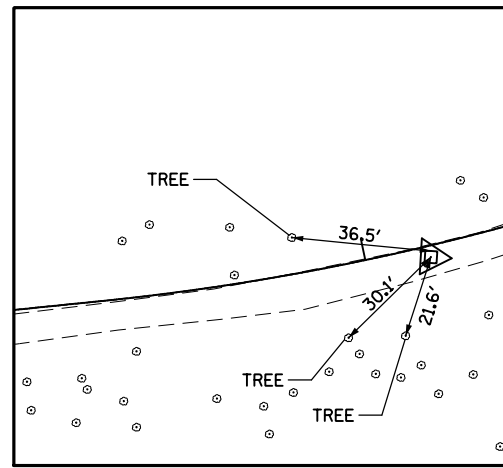
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Default	PLOT SCALE = 100'	CHECKED -	REVISED -
	PLOT DATE = 11/10/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 ALIGNMENT, TIES AND BENCHMARKS**

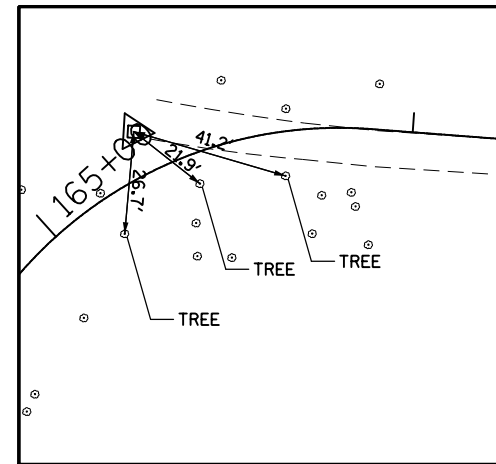
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	21
CONTRACT NO. 61J18			ILLINOIS FED. AID PROJECT	



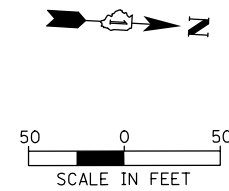
CP 2912 - PK
STA. 154+16.81, 2.96 RT
N 1946318.82
E 1112998.25

PROP. CURVE PR_SEG129
PI STA. = 158+47.97
 $\Delta = 134^\circ 46' 26''$ (RT)
D = 95° 29' 35"
R = 60.00'
T = 144.05'
L = 141.13'
E = 96.04'
P.C. STA. = 157+03.92
P.T. STA. = 158+45.05



CP 3039 - PK
STA. 165+36.83, 3.07 RT
N 1947106.93
E 1112842.31

PROP. CURVE PR_SEG134
PI STA. = 165+14.52
 $\Delta = 69^\circ 35' 34''$ (RT)
D = 52° 05' 27"
R = 109.99'
T = 76.44'
L = 133.60'
E = 23.95'
P.C. STA. = 164+38.08
P.T. STA. = 165+71.68



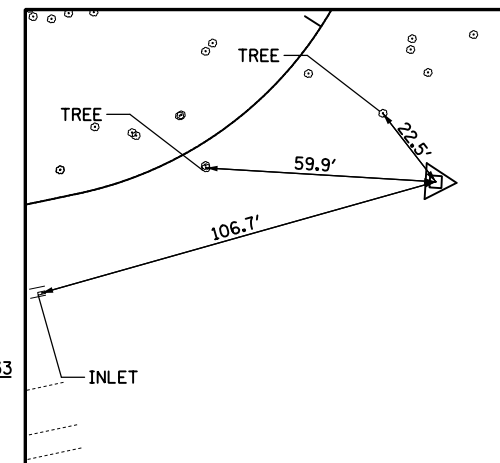
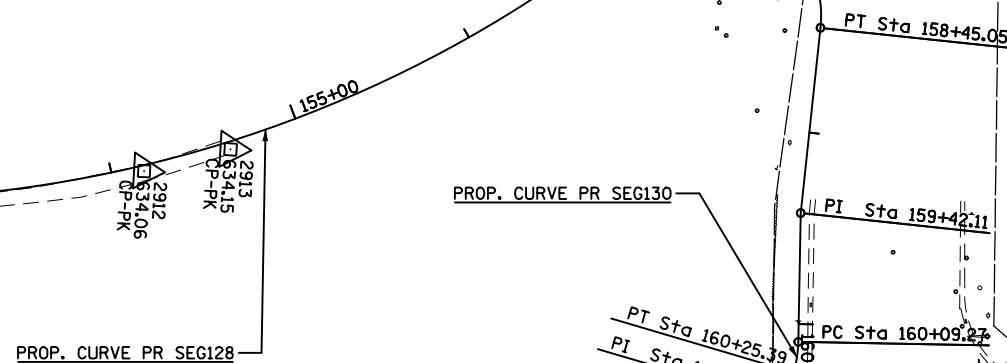
PROP. CURVE PR_SEG128
PI STA. = 155+22.70
 $\Delta = 32^\circ 52' 51''$ (LT)
D = 8° 48' 53"
R = 650.00'
T = 191.80'
L = 373.02'
E = 27.71'
P.C. STA. = 153+30.90
P.T. STA. = 157+03.92

PROP. CURVE PR_SEG130
PI STA. = 160+17.38
 $\Delta = 15^\circ 23' 13''$ (RT)
D = 95° 29' 35"
R = 60.00'
T = 8.11'
L = 16.11'
E = 0.54'
P.C. STA. = 160+09.27
P.T. STA. = 160+25.39

PROP. CURVE PR_SEG134

PROJECT ENDS
STA 165+71.68

MATCH LINE STA. 151 + 00



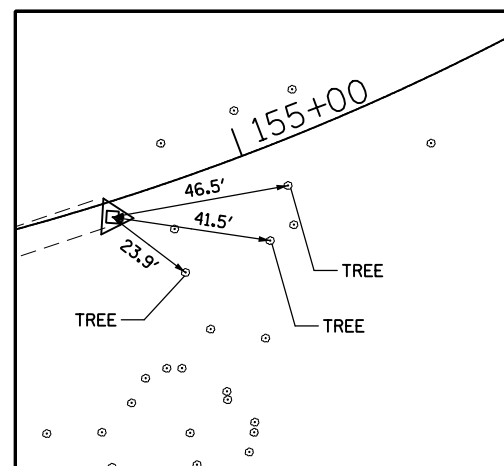
CP 2301 - REBAR
STA. 162+88.03, 48.08 RT
N 1946969.59
E 1113035.23

PROP. CURVE PR_SEG133
PI STA. = 164+06.12
 $\Delta = 38^\circ 05' 38''$ (LT)
D = 57° 17' 12"
R = 100.02'
T = 34.53'
L = 66.50'
E = 5.79'
P.C. STA. = 163+71.59
P.T. STA. = 164+38.08

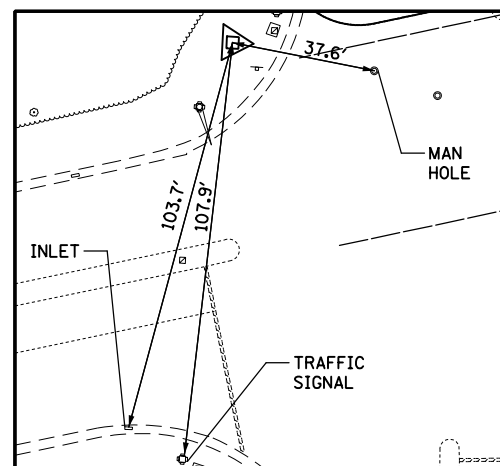
PROP. CURVE PR_SEG132
PI STA. = 163+38.62
 $\Delta = 35^\circ 31' 21''$ (RT)
D = 52° 05' 13"
R = 110.00'
T = 35.24'
L = 68.20'
E = 5.51'
P.C. STA. = 163+03.39
P.T. STA. = 163+71.59

PROP. CURVE PR_SEG131
PI STA. = 162+64.75
 $\Delta = 47^\circ 07' 05''$ (LT)
D = 57° 17' 45"
R = 100.00'
T = 43.60'
L = 82.24'
E = 9.09'
P.C. STA. = 162+21.15
P.T. STA. = 163+03.39

ELEVATION BENCHMARKS DATUM: NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 2300	IRON ROD W/ CAP APPROX. 19' ± NORTHWEST OF TRAFFIC LIGHT WITH MAST ARM FOR SOUTH BOUND TALCOTT RD. & APPROX. 11' ± SOUTHEAST OF TRAFFIC LIGHT FOR EAST BOUND TOUHY AV. LOCATED AT THE SW CORNER OF TOUHY AV. & TALCOTT RD.	635.85



CP 2913 - PK
STA. 154+63.00, 4.02 RT
N 1946363.12
E 1112984.31



CP 2300 - REBAR
STA. 160+42.13, 6.21 RT
N 1946653.23
E 1113101.87

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
N:\Park Ridge\2200\91\Civil\ATB.2200\91.05.sht		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 11/10/2022	DATE -	REVISED -

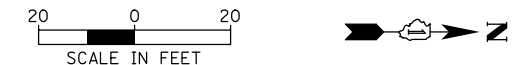
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

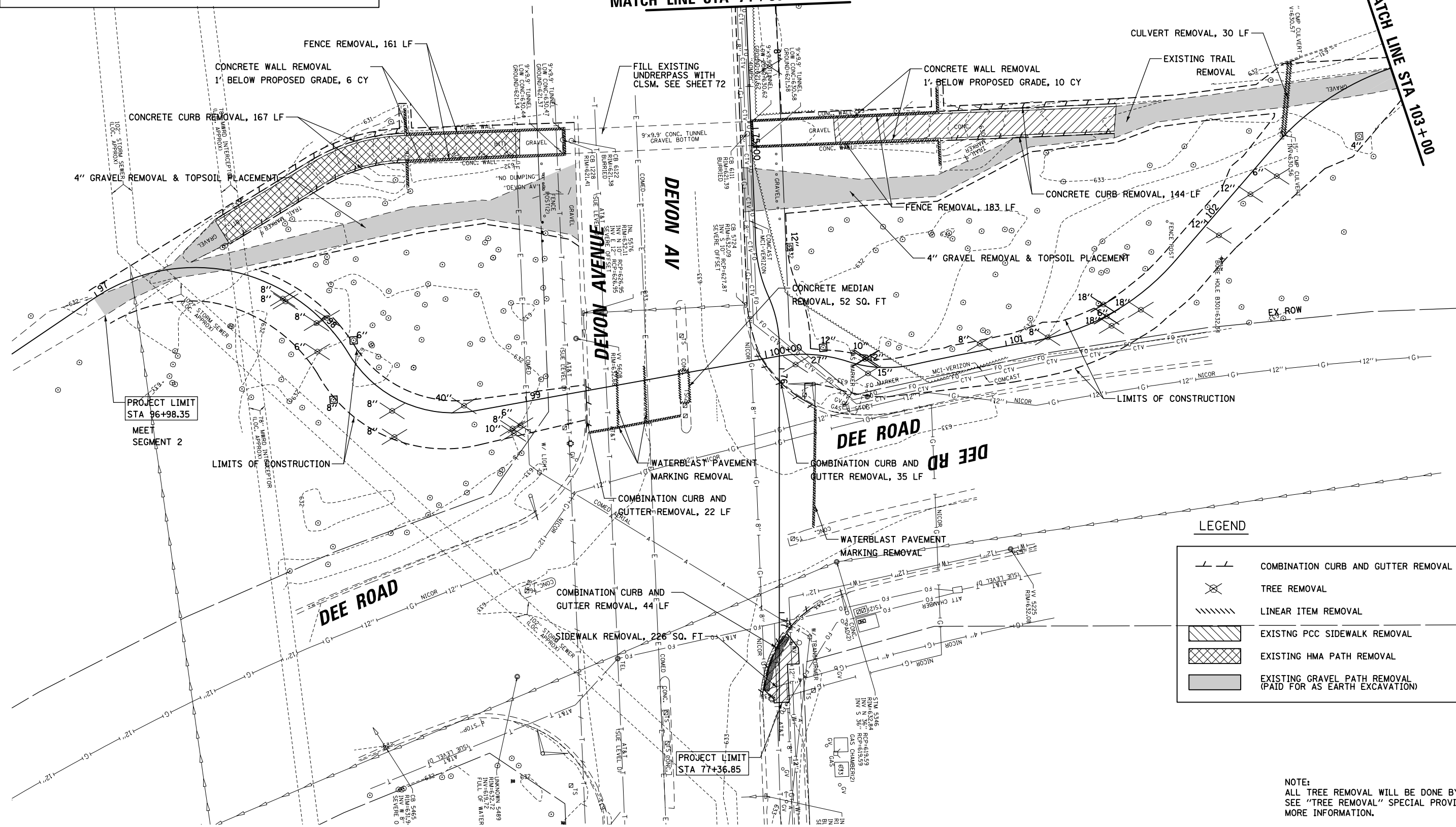
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	22
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

MWRD INTERCEPTOR NOTES:
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 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.



MATCH LINE STA 74+50 SEE SHEET NO. 29

MATCH LINE STA 103+00



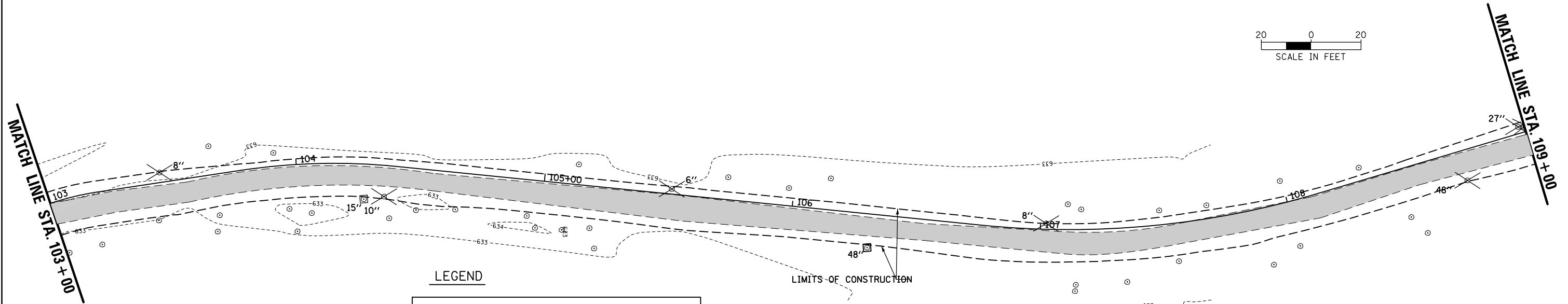
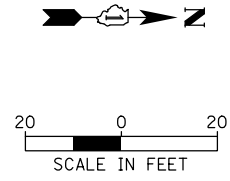
LEGEND

	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	LINEAR ITEM REMOVAL
	EXISTING PCC SIDEWALK REMOVAL
	EXISTING HMA PATH REMOVAL
	EXISTING GRAVEL PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)

NOTE:
 ALL TREE REMOVAL WILL BE DONE BY OTHERS. SEE "TREE REMOVAL" SPECIAL PROVISION FOR MORE INFORMATION.

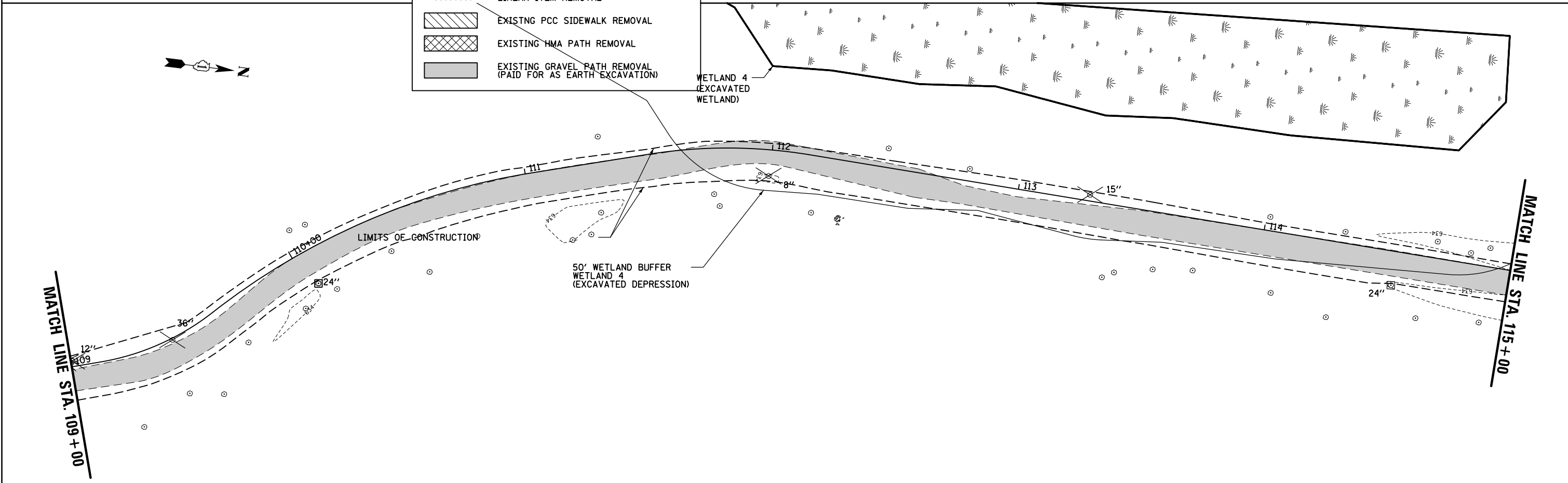
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Default	PLOT SCALE = 48"	DRAWN -	REVISED -			17-00034-00-BT	COOK	121	23		
	PLOT DATE = 11/10/2022	CHECKED -	REVISED -			CONTRACT NO. 61J18					
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

NOTE:
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 MORE INFORMATION.



LEGEND

	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	LINEAR ITEM REMOVAL
	EXISTING PCC SIDEWALK REMOVAL
	EXISTING HMA PATH REMOVAL
	EXISTING GRAVEL PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)



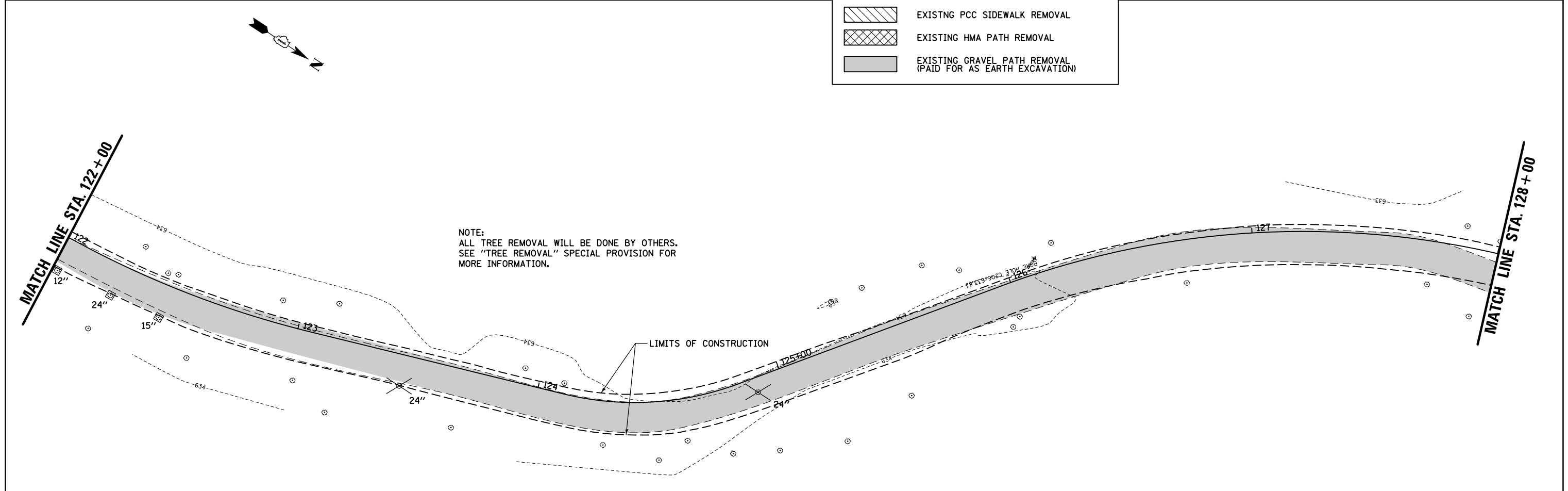
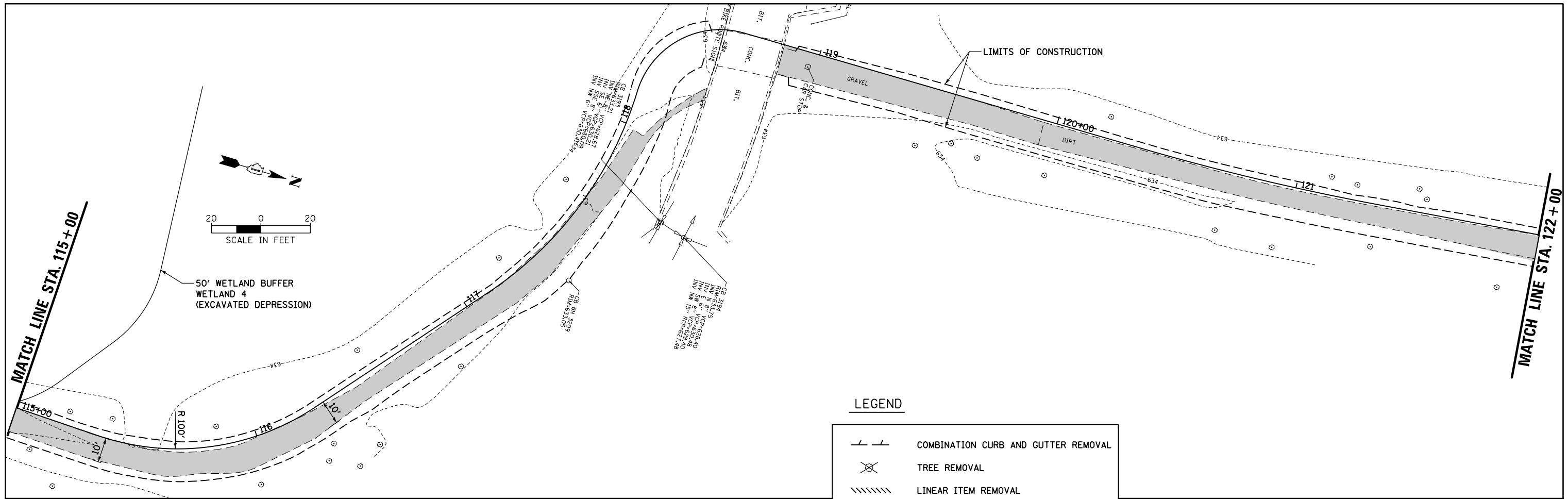
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Default		CHECKED -	REVISED -
	PLOT DATE = 11/10/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 EXISTING CONDITIONS AND REMOVAL PLAN**

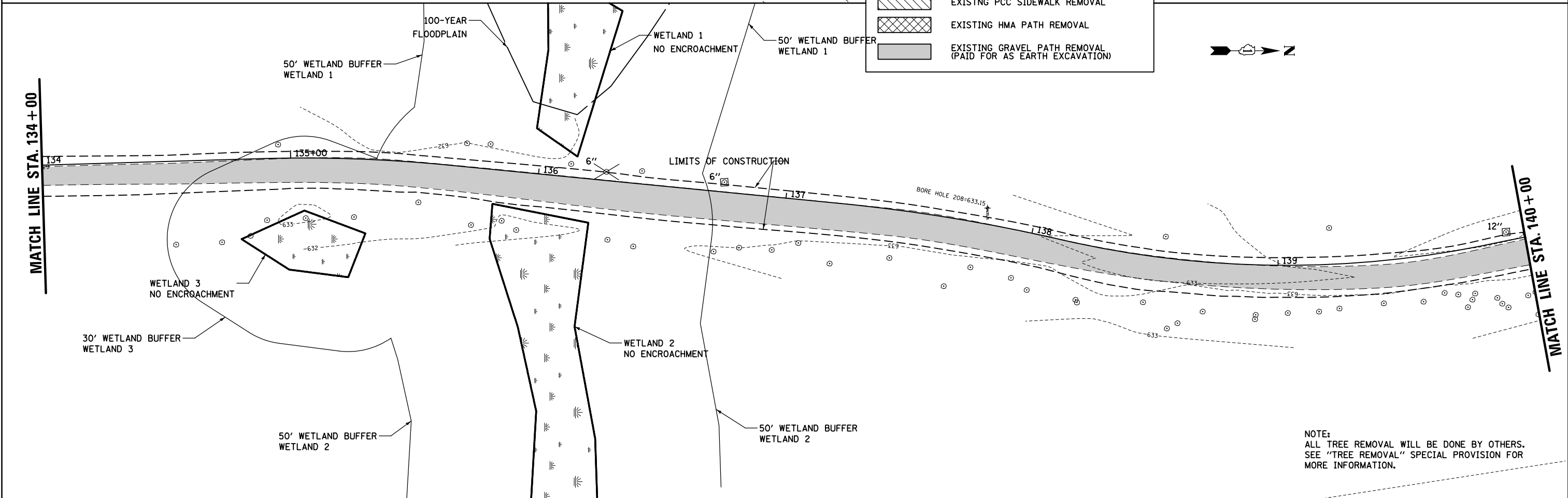
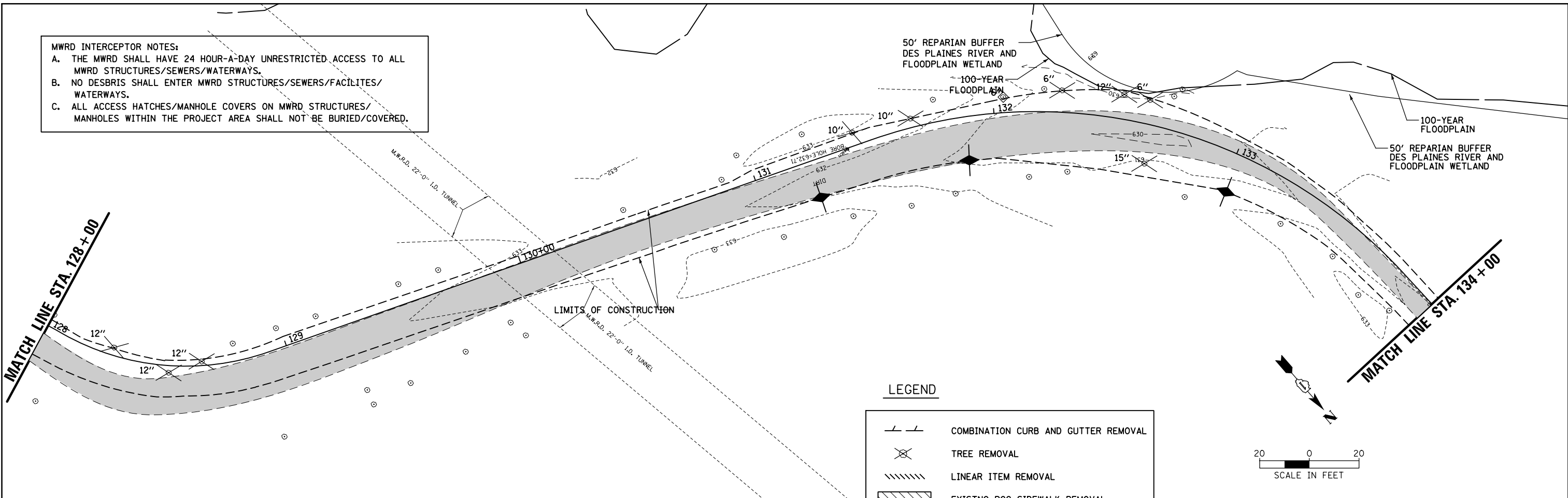
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	24
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



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Default	PLOT SCALE = 48"	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-00-BT	COOK	121	25
	PLOT DATE = 11/10/2022	CHECKED -	REVISED -									CONTRACT NO. 61J18			
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT			

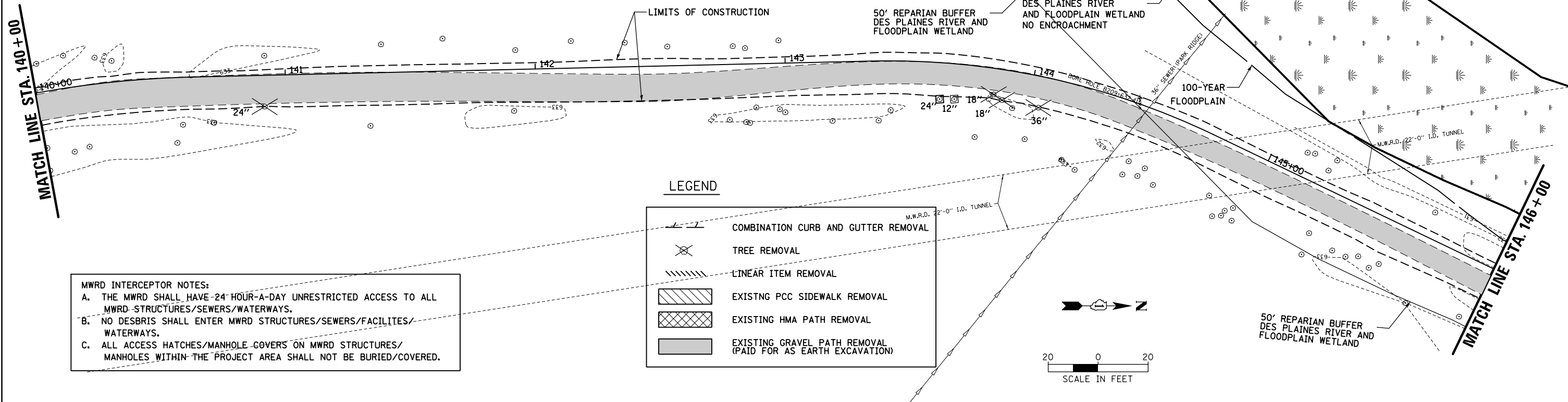
MWRD INTERCEPTOR NOTES:
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 B. NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
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NOTE:
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FILE NAME = N:\Park_Ridge\220091\Civil\REM_220091_4.dwg	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 EXISTING CONDITIONS AND REMOVAL PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 48"	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	121	26
	PLOT DATE = 11/10/2022	CHECKED -	REVISED -									CONTRACT NO. 61J18	
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT	

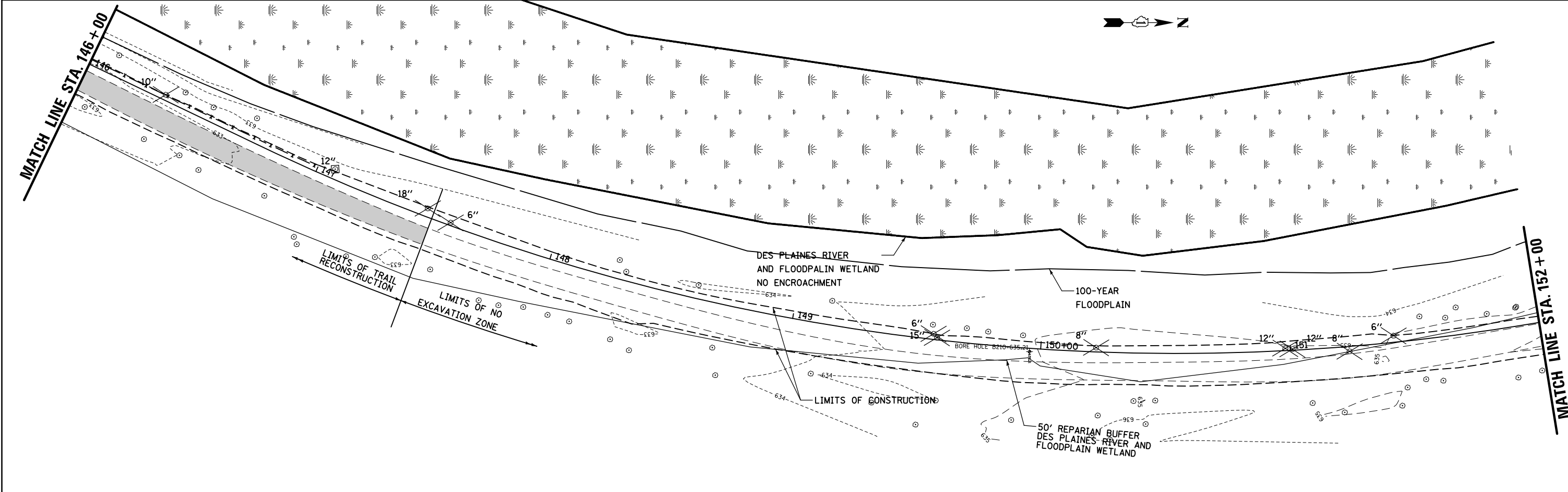
NOTE:
ALL TREE REMOVAL WILL BE DONE BY OTHERS.
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MORE INFORMATION.



MWRD INTERCEPTOR NOTES:
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LEGEND

- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL
- LINEAR ITEM REMOVAL
- EXISTING PCC SIDEWALK REMOVAL
- EXISTING HMA PATH REMOVAL
- EXISTING GRAVEL PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)



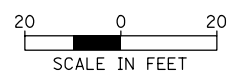
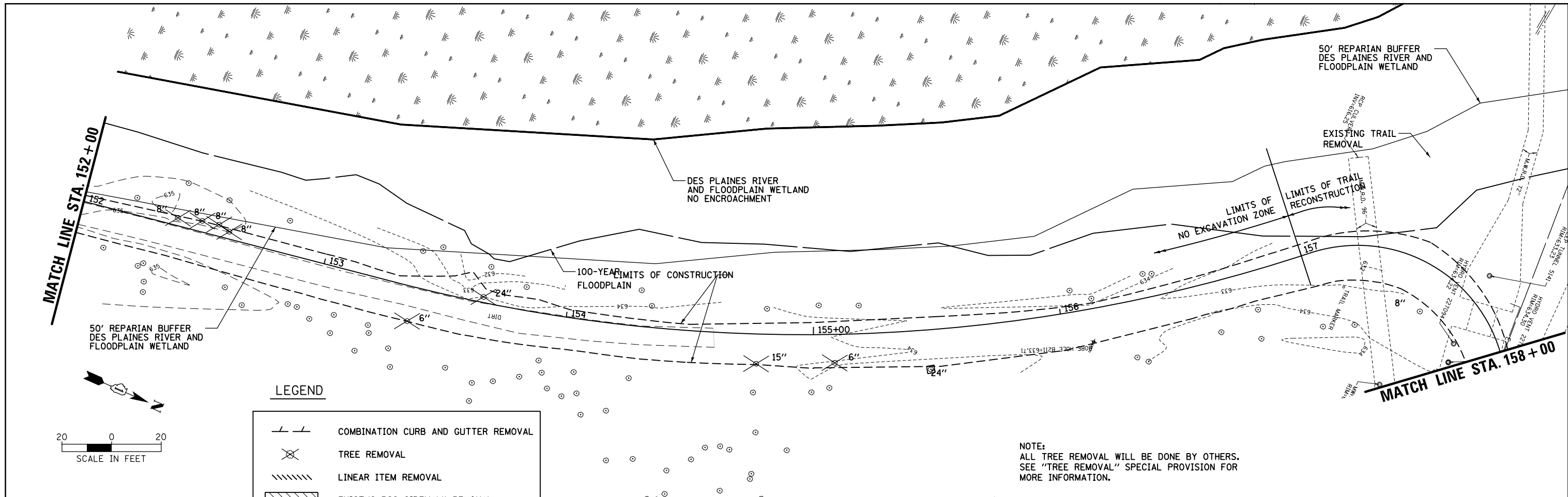
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	PLOT SCALE = 48"	DRAWN -	REVISED -
	PLOT DATE = 11/10/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

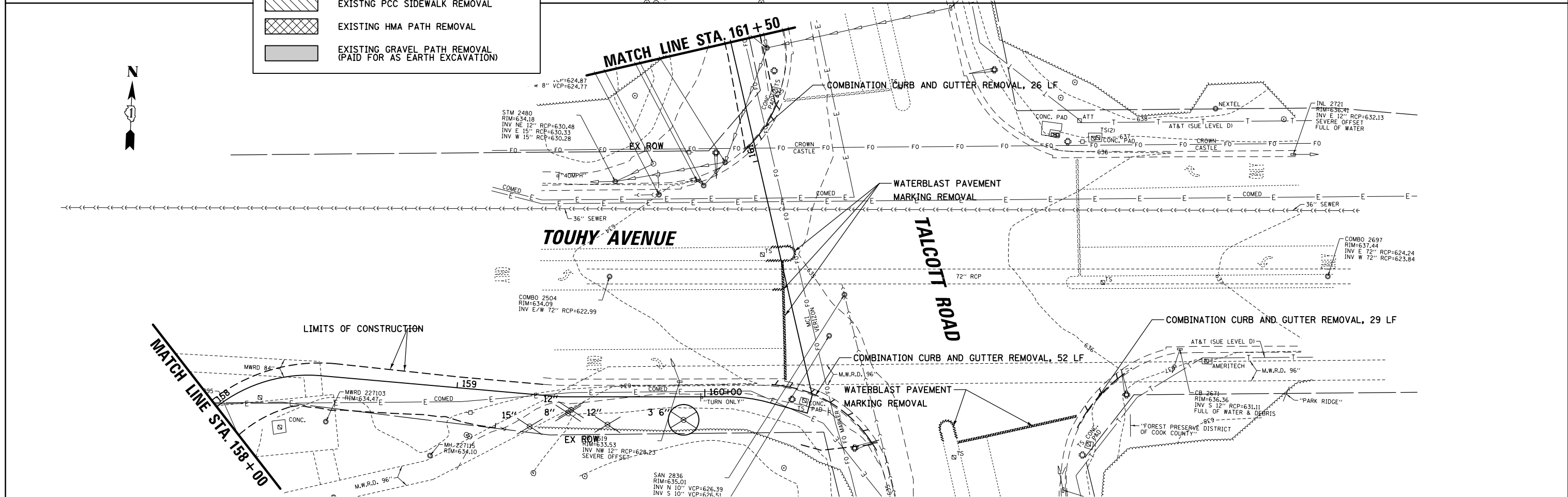
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	27
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				



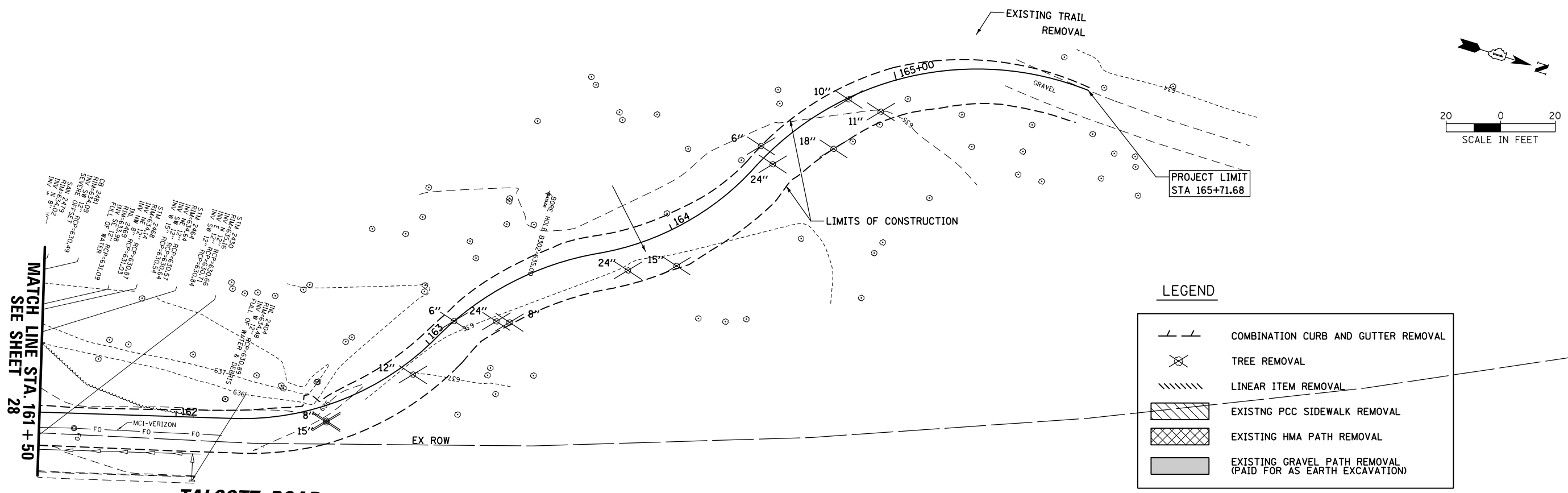
LEGEND

- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL
- LINEAR ITEM REMOVAL
- EXISTING PCC SIDEWALK REMOVAL
- EXISTING HMA PATH REMOVAL
- EXISTING GRAVEL PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)

NOTE:
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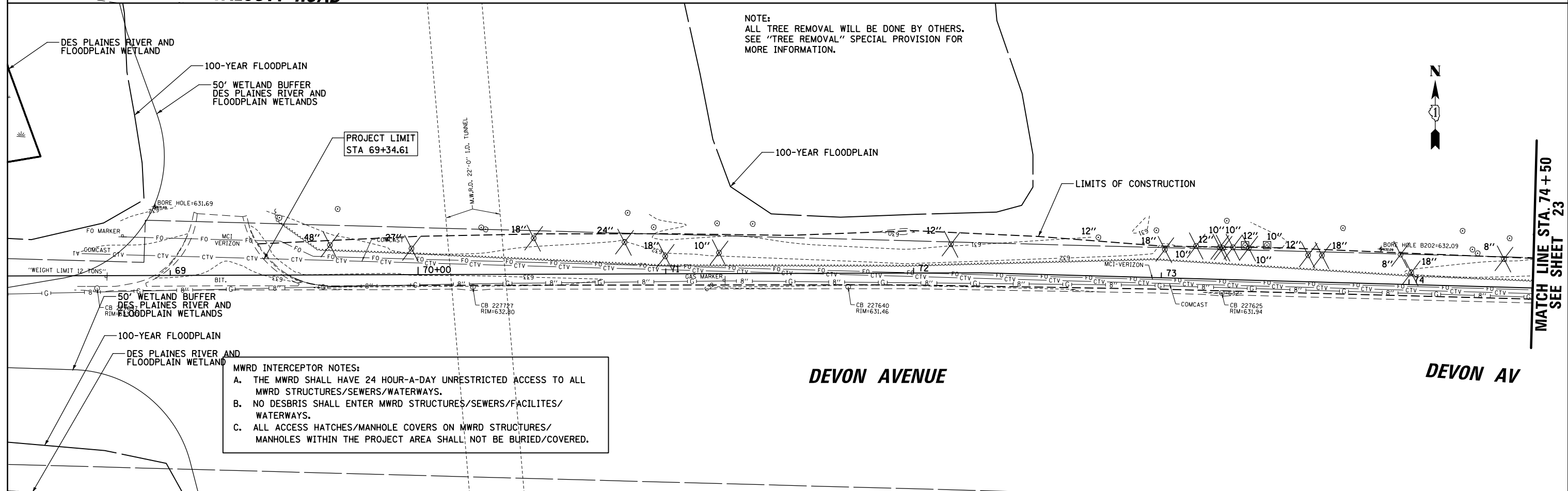


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Default	PLOT SCALE = 48'	DRAWN -	REVISED -			17-00034-00-BT	COOK	121	28		
	PLOT DATE = 11/10/2022	CHECKED -	REVISED -			CONTRACT NO. 61J18					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



LEGEND

	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	LINEAR ITEM REMOVAL
	EXISTING PCC SIDEWALK REMOVAL
	EXISTING HMA PATH REMOVAL
	EXISTING GRAVEL PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)



MWRD INTERCEPTOR NOTES:

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Default	PLOT SCALE = 48'	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	121	29
	PLOT DATE = 11/10/2022	CHECKED -	REVISED -									CONTRACT NO. 61J18	
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT	

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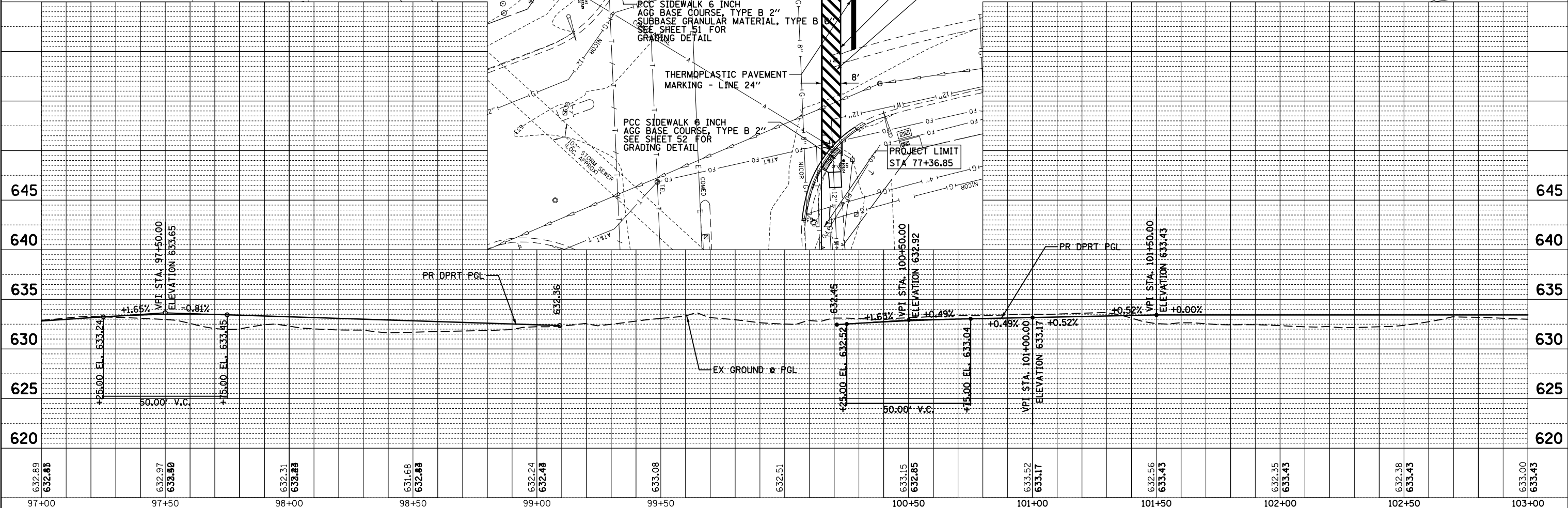
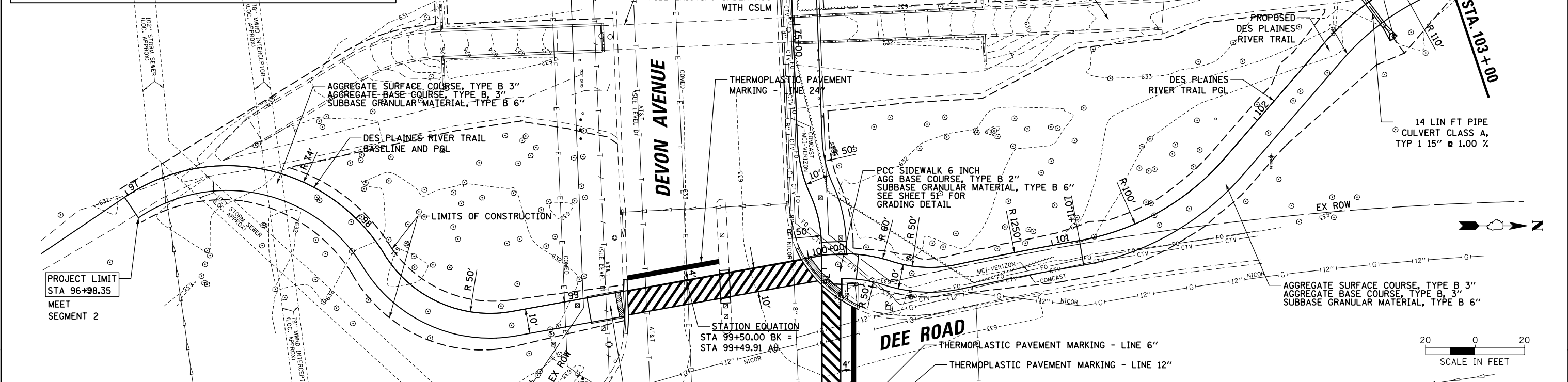
15" PRCFES
 STA. 102+65, 18.14' RT
 INV = 631.18

15" PRCFES
 STA. 102+65, 8.44' LT
 INV = 630.91

14 LIN FT PIPE
 CULVERT CLASS A,
 TYP 15" @ 1.00 %

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILED
NO.	
NO.	
NO.	

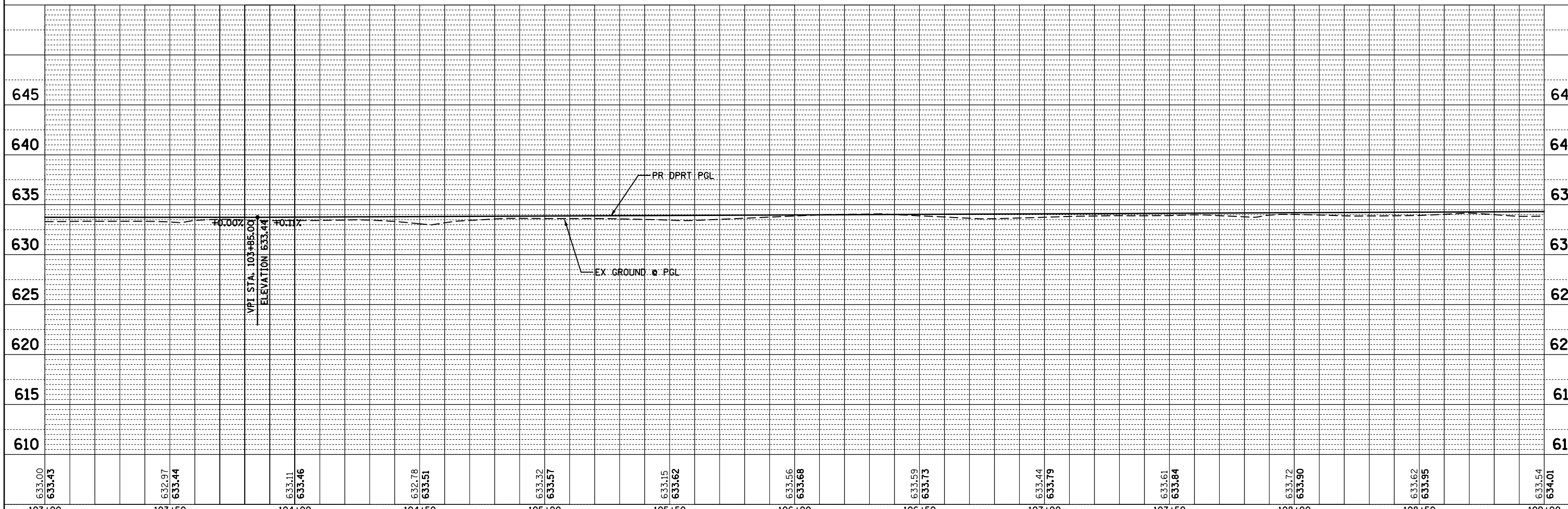
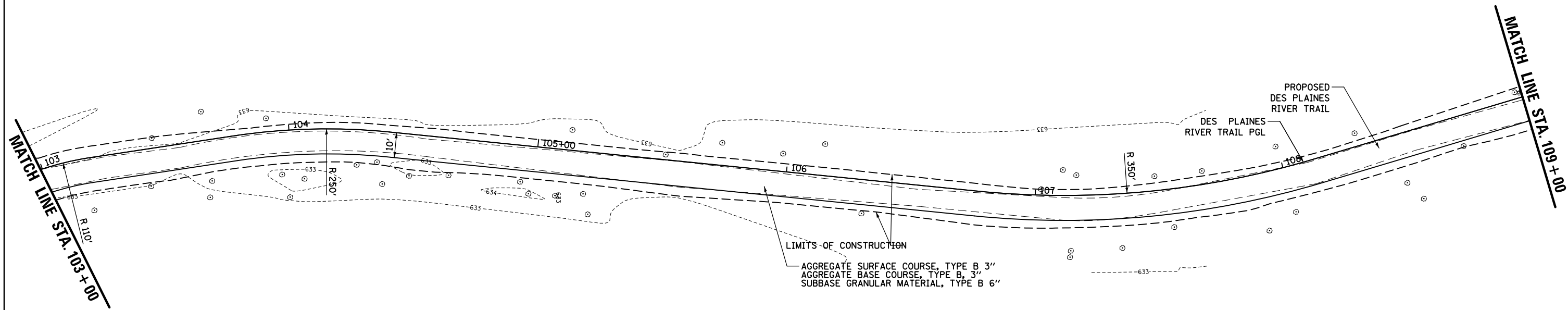
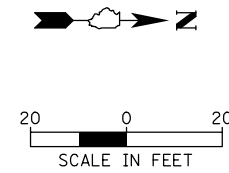
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BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
NO.	
NO.	
NO.	



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">DES PLAINES RIVER TRAIL SEGMENT 1 PLAN AND PROFILE</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Park_Ridge\220091\Civil\IRPP_220091_01.shx		DRAWN -	REVISED -		17-00034-00-BT	COOK	121	30	
Default		CHECKED -	REVISED -		CONTRACT NO. 61J18				
	PLOT SCALE = 48'	DATE -	REVISED -		ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =				USER NAME = mthomas				DESIGNED -				REVISED -							
DRAWN -				CHECKED -				DATE -				DRAWN -				REVISED -			
PLOT SCALE = 48"				PLOT DATE = 11/10/2022				DESIGNED -				REVISED -							
Default																			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

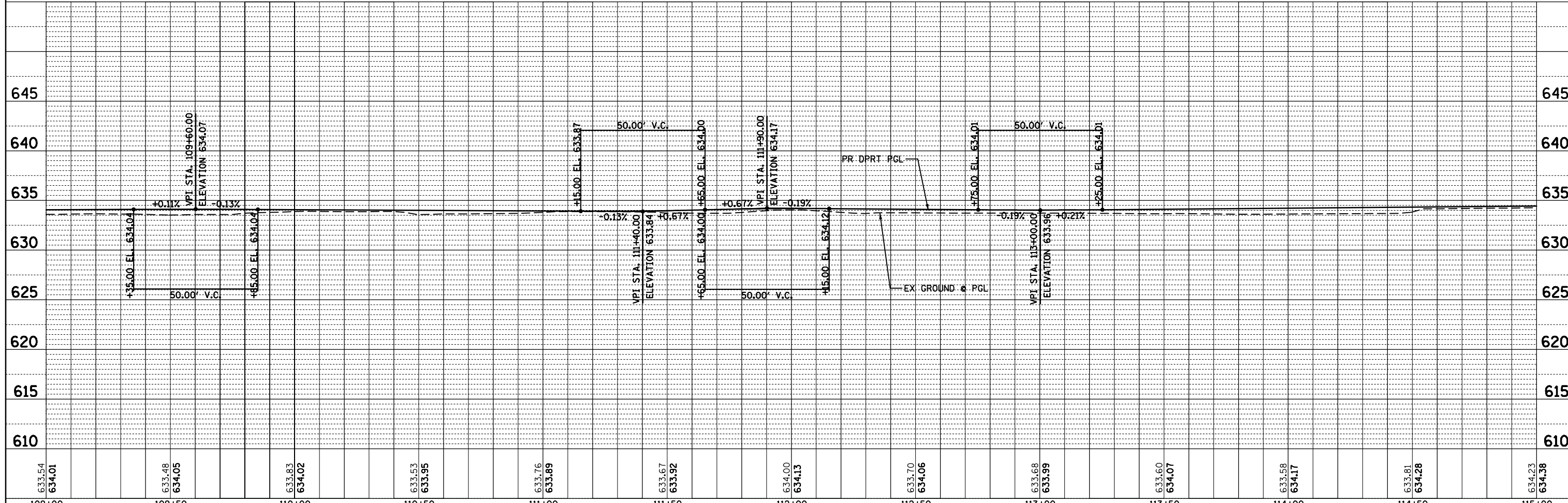
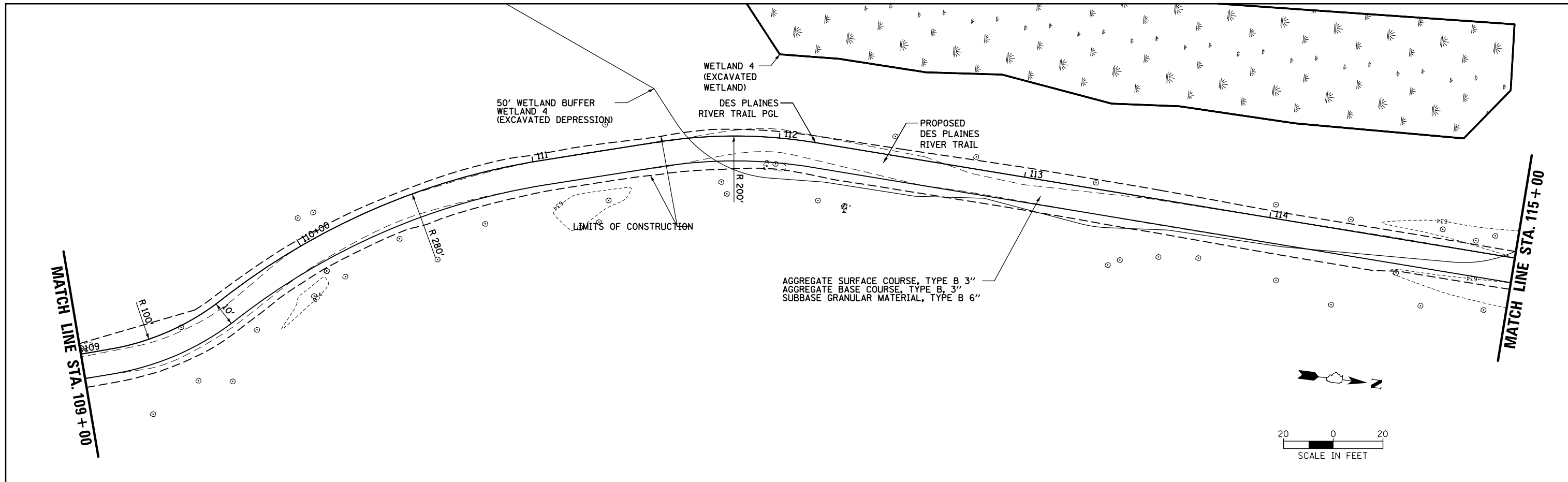
**DES PLAINES RIVER TRAIL SEGMENT 1
PLAN AND PROFILE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	31
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

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



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
N:\Park_Ridge\220091\Civil\VRPP_220091_03.sh		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

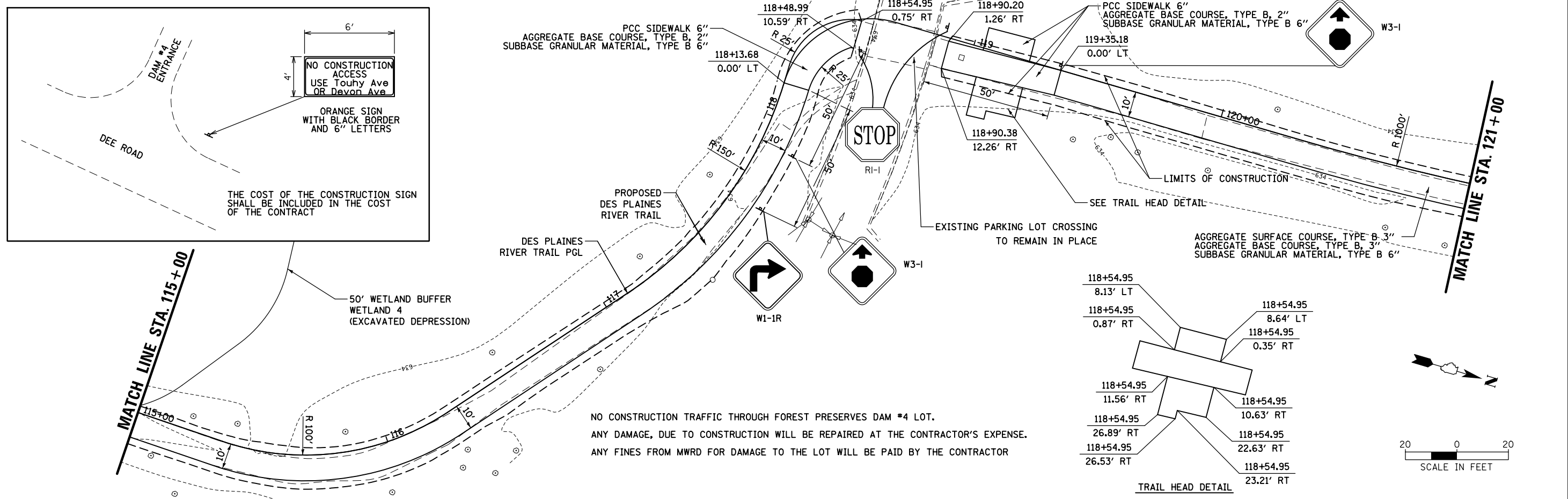
DES PLAINES RIVER TRAIL SEGMENT 1
PLAN AND PROFILE

SCALE: SHEET OF SHEETS STA. TO STA.

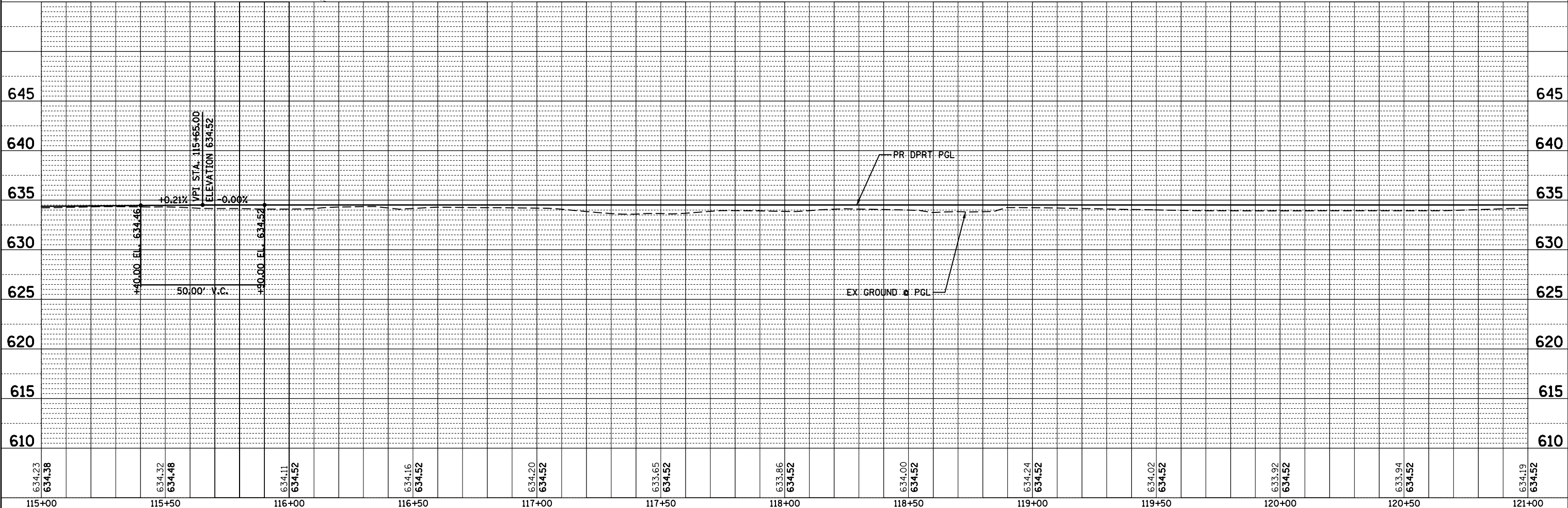
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	32
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	



NO CONSTRUCTION TRAFFIC THROUGH FOREST PRESERVES DAM #4 LOT.
 ANY DAMAGE, DUE TO CONSTRUCTION WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 ANY FINES FROM MWRD FOR DAMAGE TO THE LOT WILL BE PAID BY THE CONTRACTOR



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
N:\Park Ridge\220091\Civil\IRPP_220091_04.sh		DRAWN -	REVISED -
Default	PLOT SCALE = 48'	CHECKED -	REVISED -
	PLOT DATE = 11/10/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 PLAN AND PROFILE

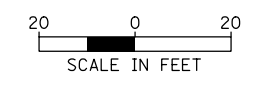
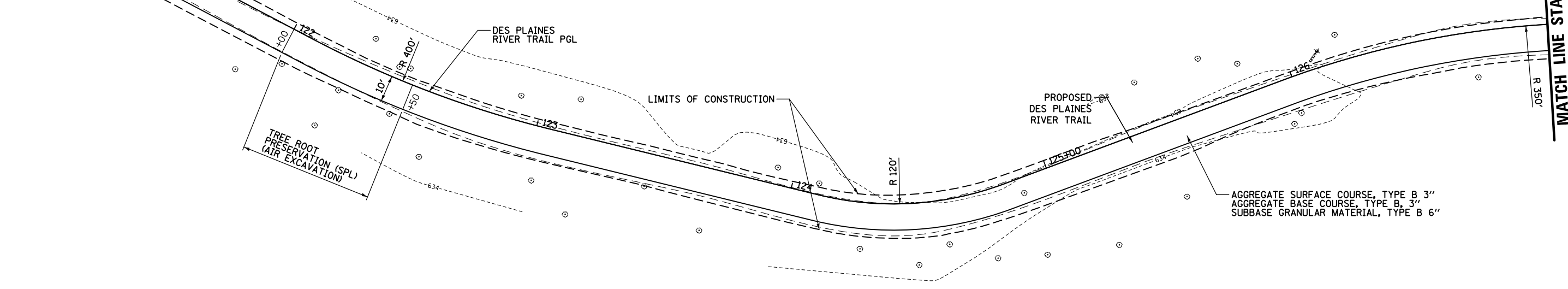
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	33
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

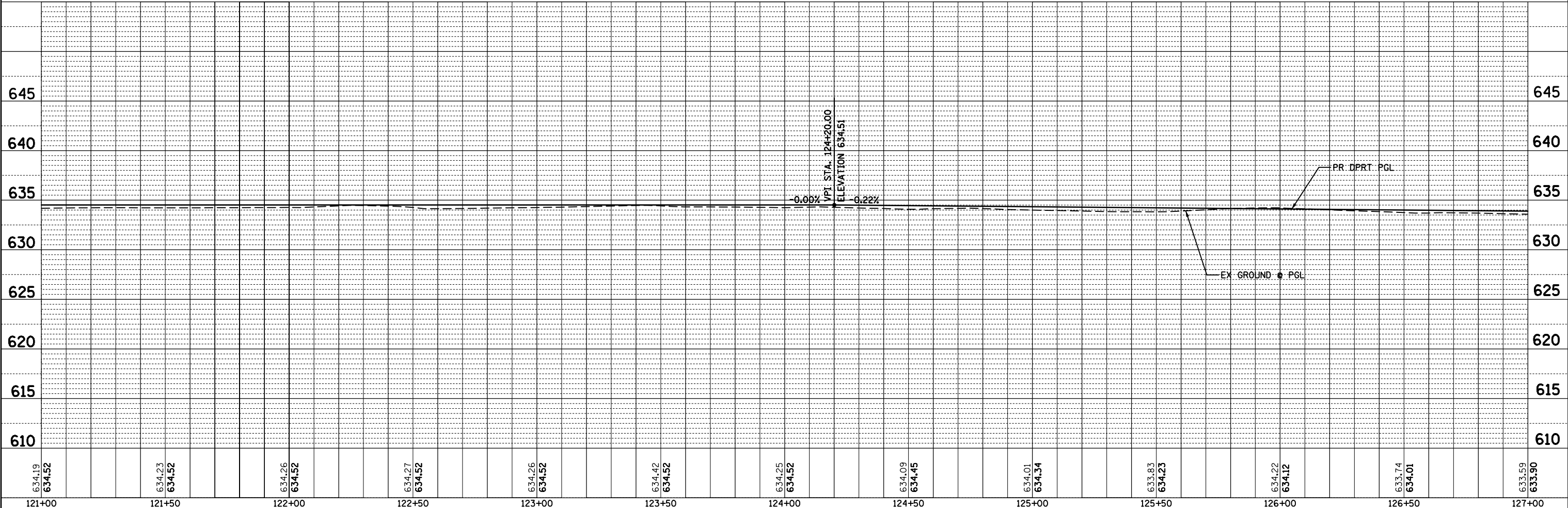
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		

MATCH LINE STA. 121+00



MATCH LINE STA. 127+00



634.19 634.52	634.23 634.52	634.26 634.52	634.27 634.52	634.26 634.52	634.42 634.52	634.25 634.52	634.09 634.45	634.01 634.34	633.83 634.23	634.22 634.12	633.74 634.01	633.59 633.90
121+00	121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00	126+50	127+00

FILE NAME = N:\Park_Ridge\220091\Civil\IRPP_220091_05.sh
Default

USER NAME = mthomas
PLOT SCALE = 48"
PLOT DATE = 11/10/2022

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
PLAN AND PROFILE**

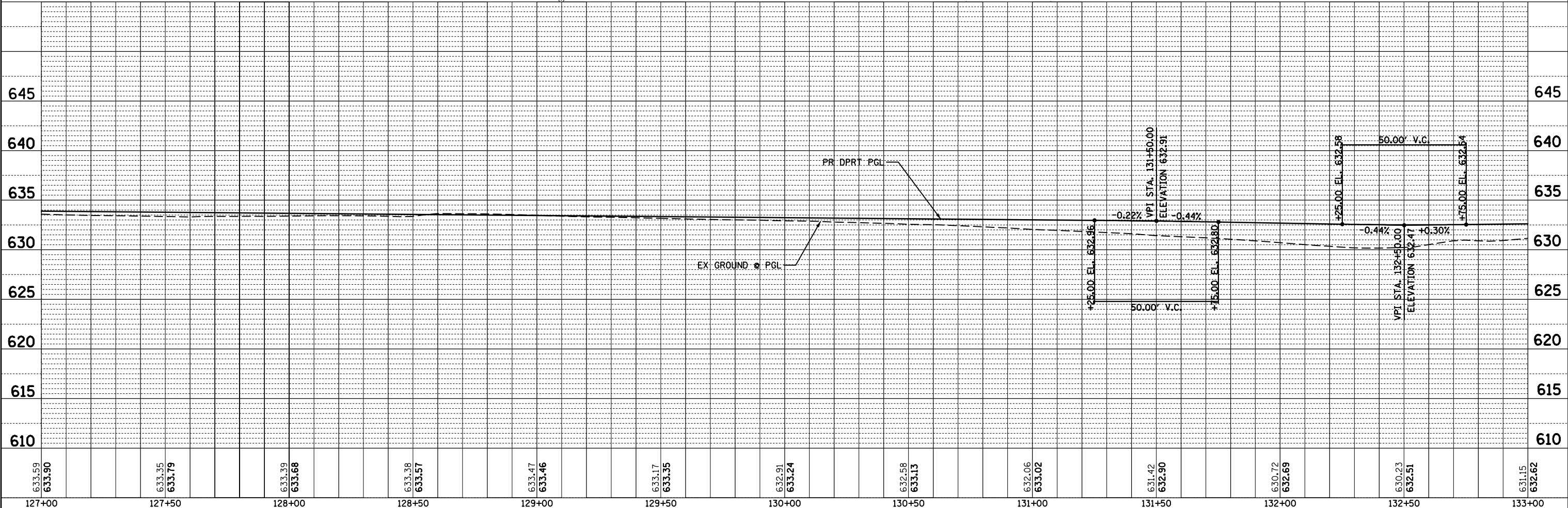
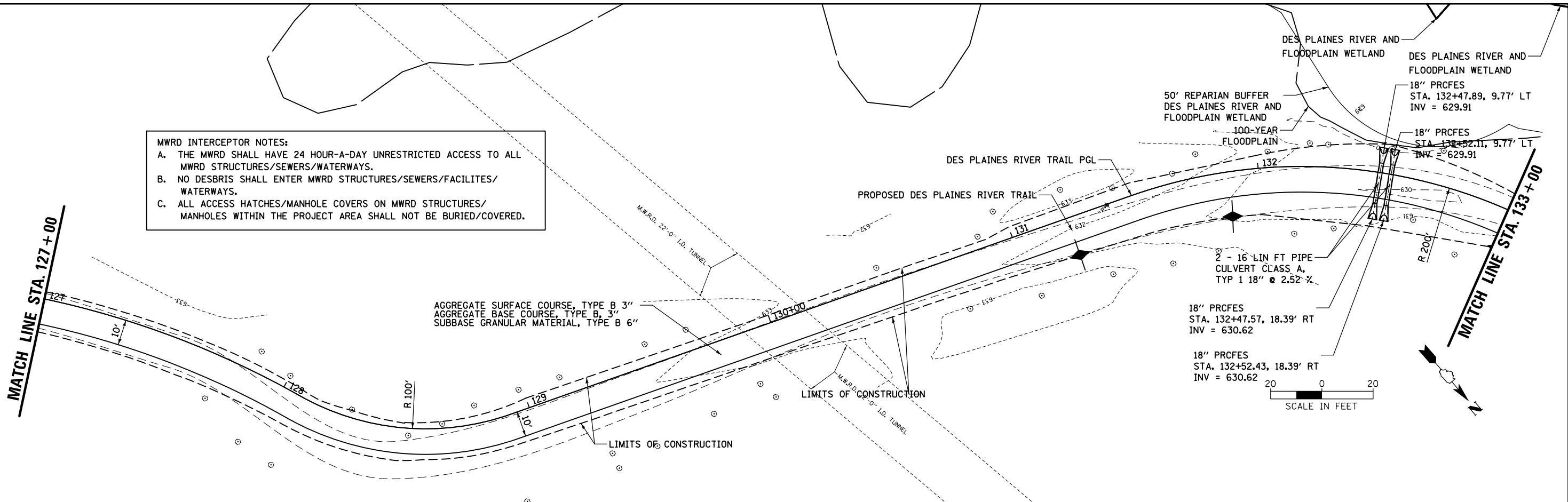
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	34
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NO.	NO.	NO.

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

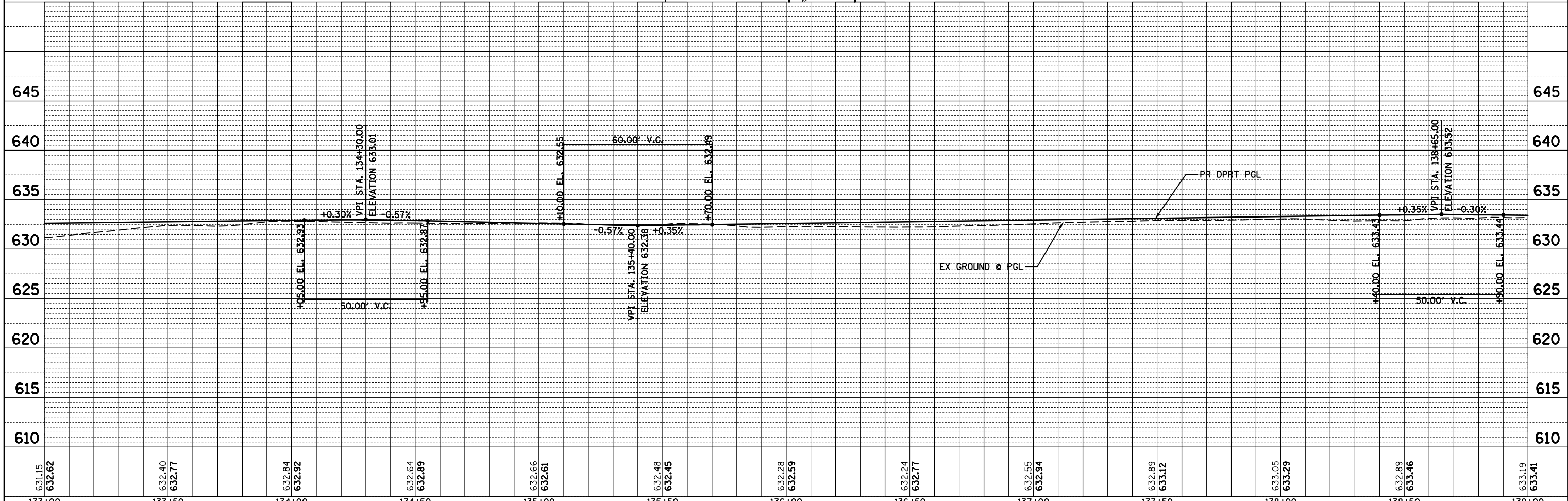
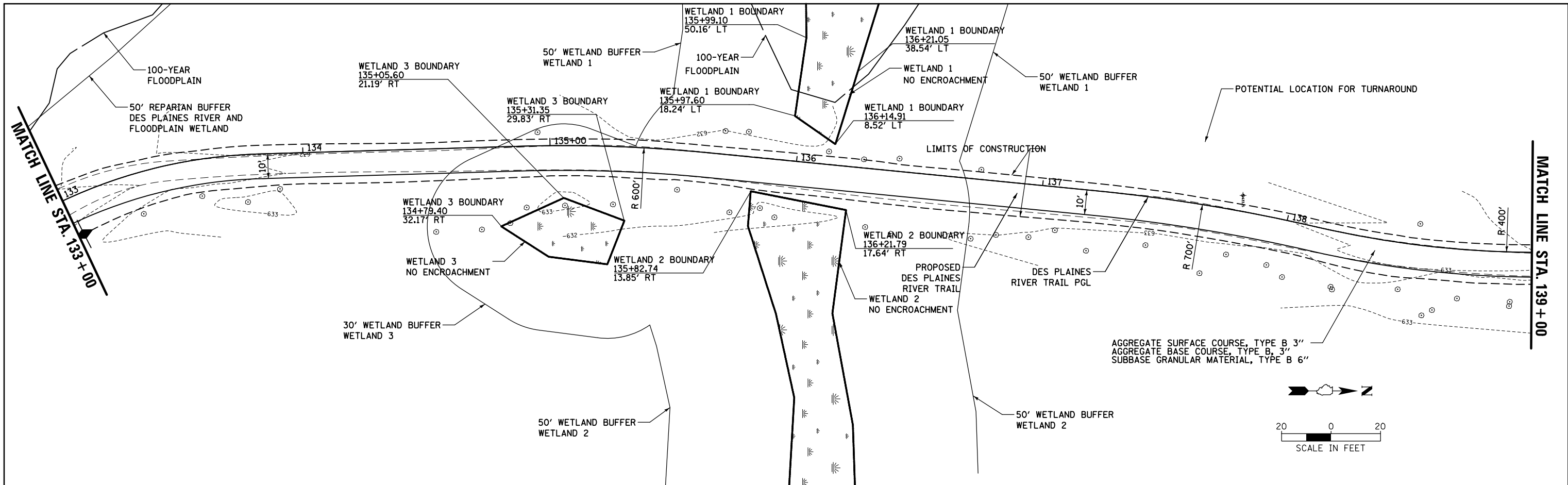
MWRD INTERCEPTOR NOTES:
 A. THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/WATERWAYS.
 B. NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
 C. ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 PLAN AND PROFILE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default		CHECKED -	REVISED -						CONTRACT NO. 61J18				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

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



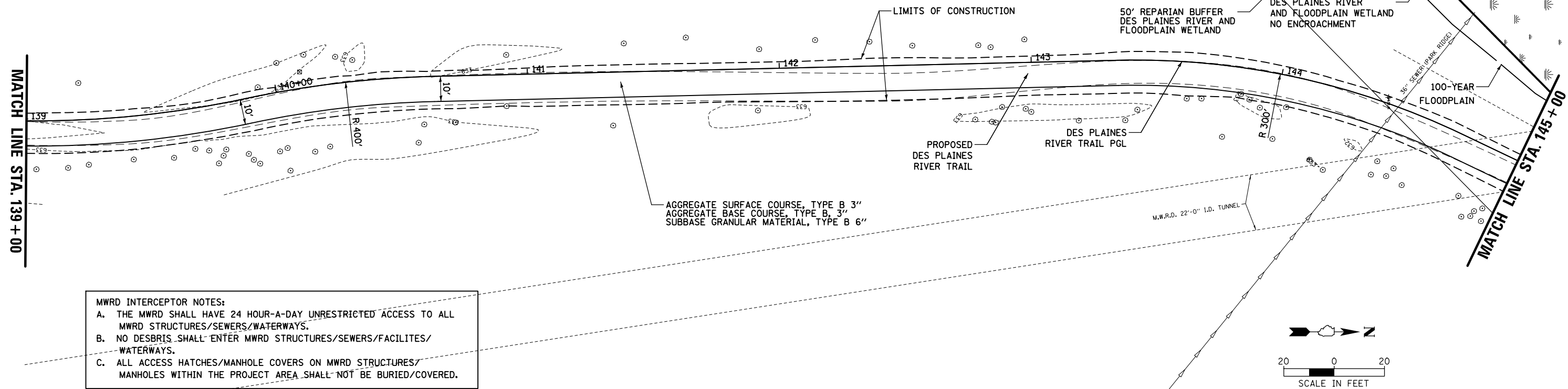
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Default		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61J18				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

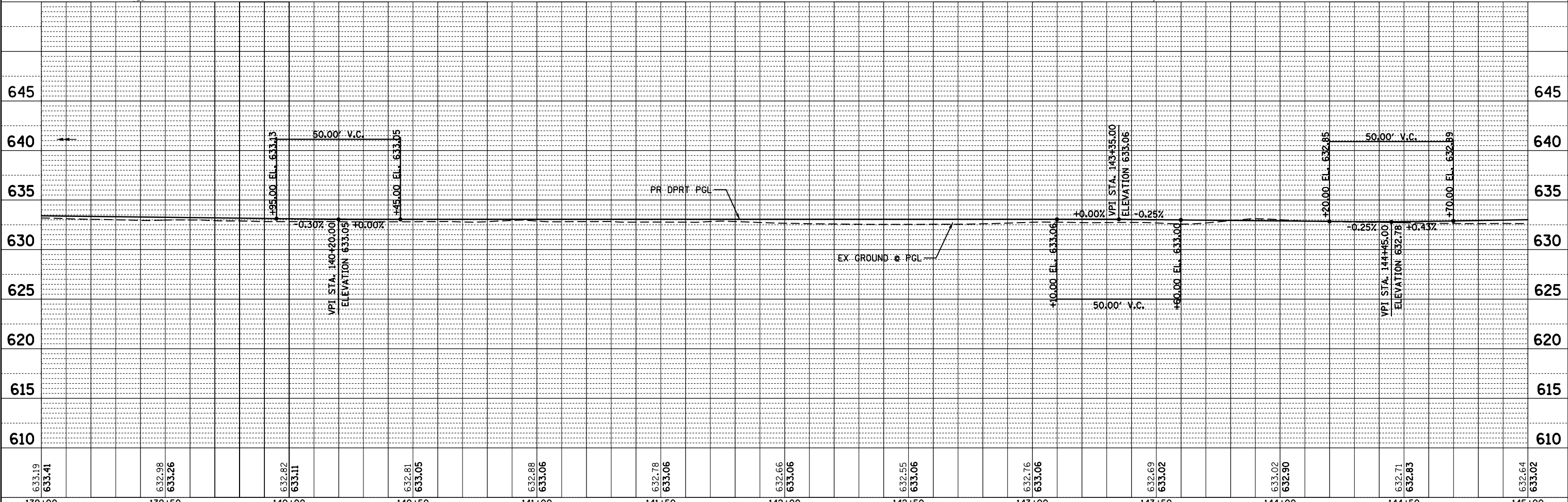
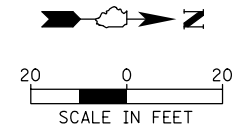
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

MATCH LINE STA. 139 + 00

MATCH LINE STA. 145 + 00



MWRD INTERCEPTOR NOTES:
 A. THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/WATERWAYS.
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 C. ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLE WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.



633.19 633.41	632.98 633.26	632.82 633.11	632.81 633.05	632.88 633.06	632.78 633.06	632.66 633.06	632.55 633.06	632.76 633.06	632.69 633.02	633.02 632.90	632.71 632.83	632.64 633.02
139+00	139+50	140+00	140+50	141+00	141+50	142+00	142+50	143+00	143+50	144+00	144+50	145+00

FILE NAME = N:\Park_Ridge\220091\Civil\IRPP_220091_08.sht
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USER NAME = mthomas
 PLOT SCALE = 48"
 PLOT DATE = 11/10/2022

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

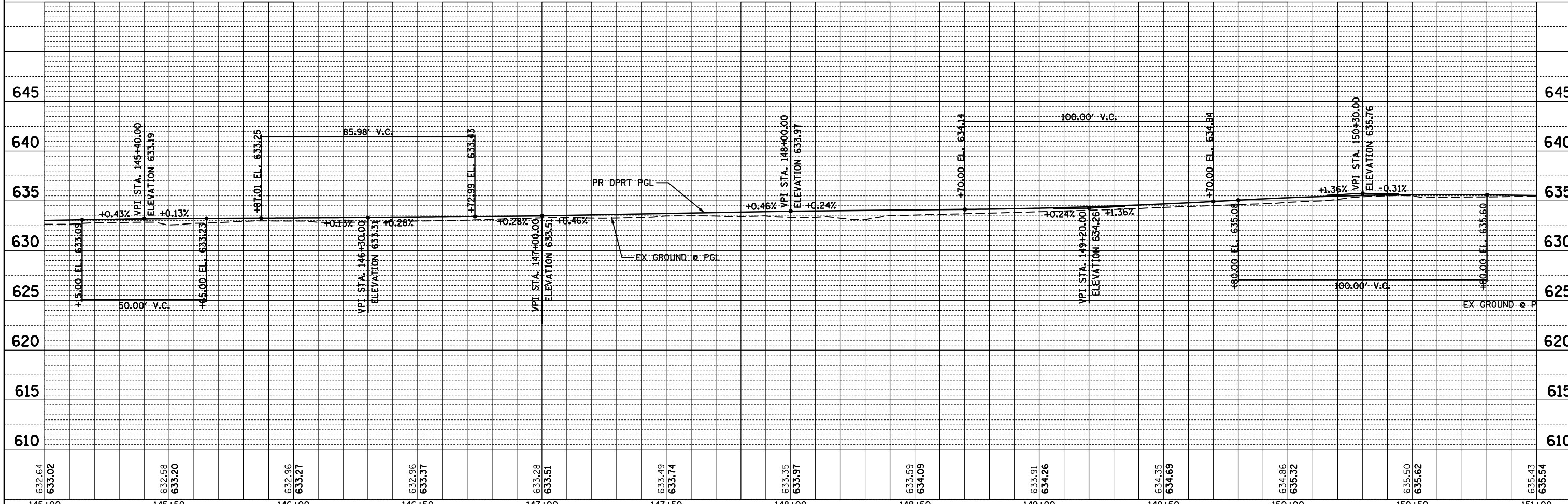
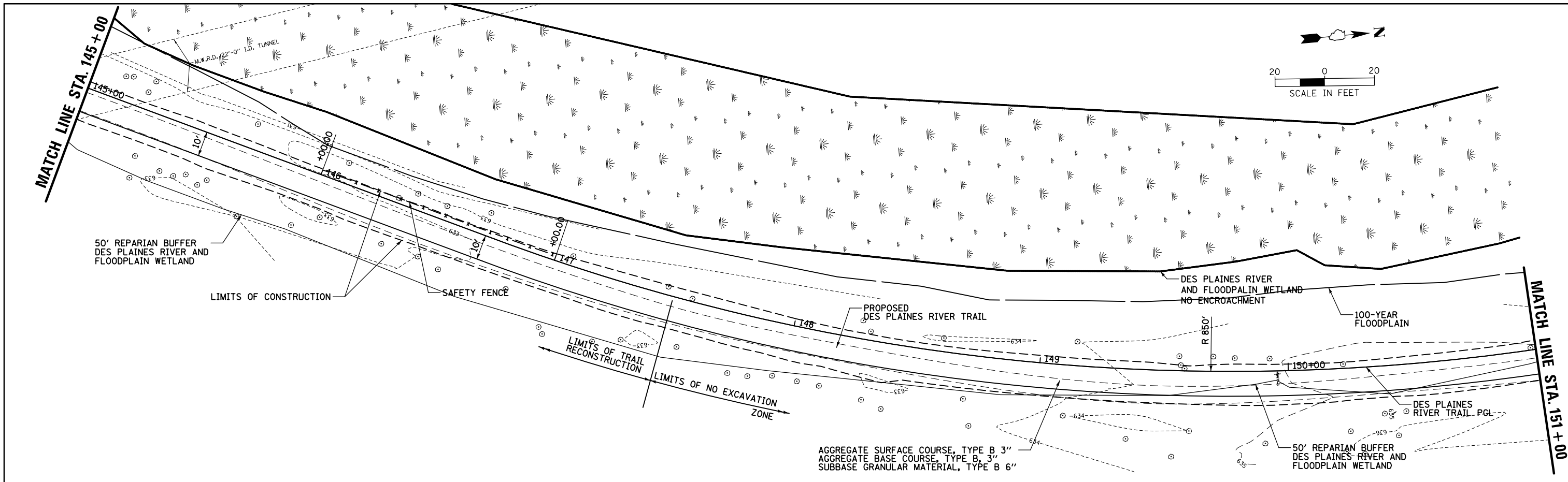
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 PLAN AND PROFILE**
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	37
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
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	FILE NAME		

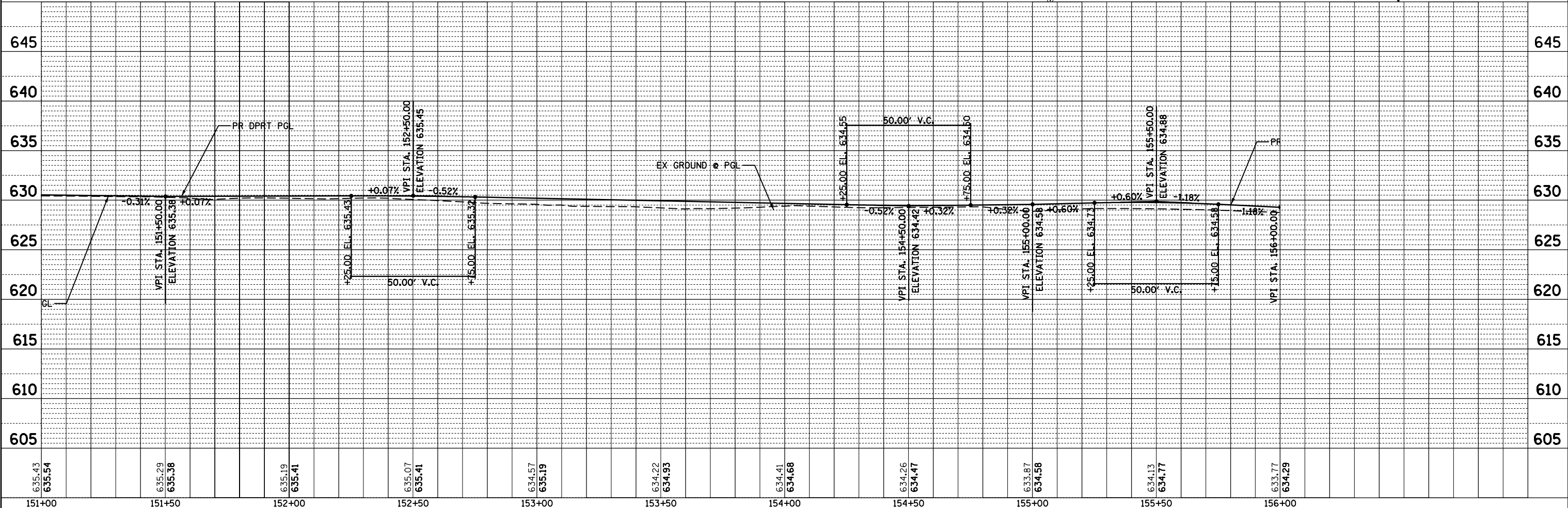
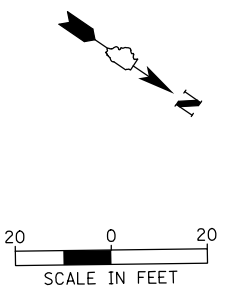
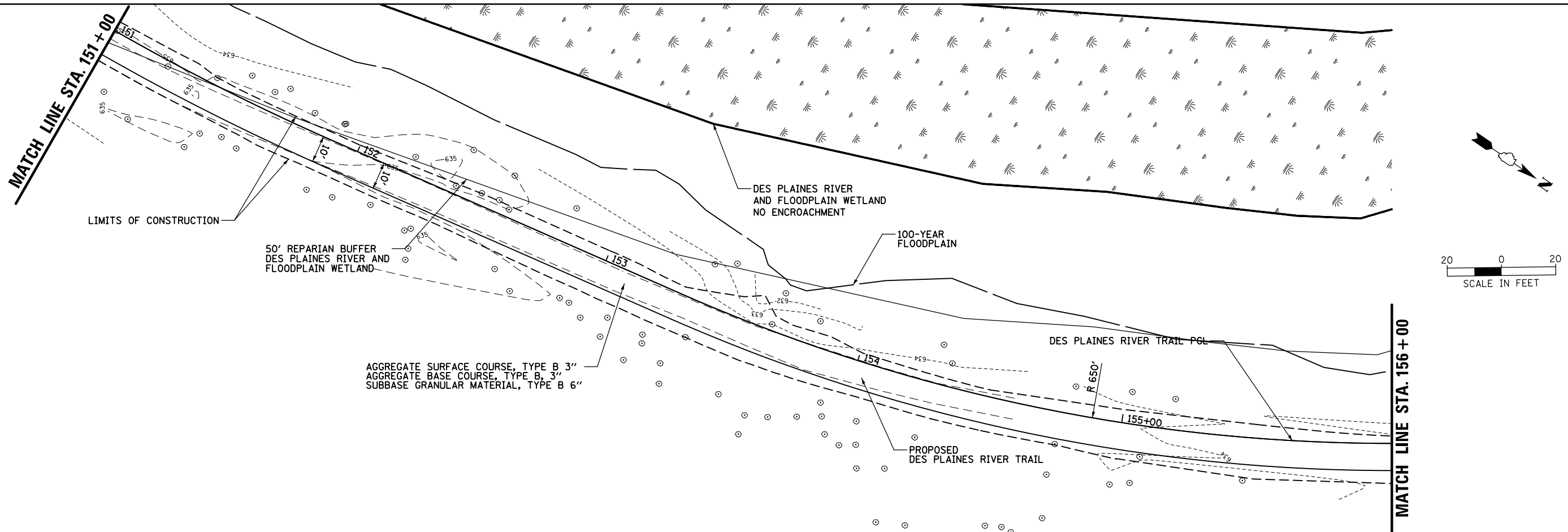
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	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1				F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	NO.	

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



635.43 635.54	635.29 635.38	635.19 635.41	635.07 635.41	634.57 635.19	634.22 634.93	634.41 634.68	634.26 634.47	633.87 634.58	634.13 634.77	633.77 634.29
151+00	151+50	152+00	152+50	153+00	153+50	154+00	154+50	155+00	155+50	156+00

FILE NAME = N:\Park_Ridge\220091\Civil\IRPP_220091_10.shx
Default

USER NAME = mthomas
PLOT SCALE = 48"
PLOT DATE = 11/10/2022

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
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REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

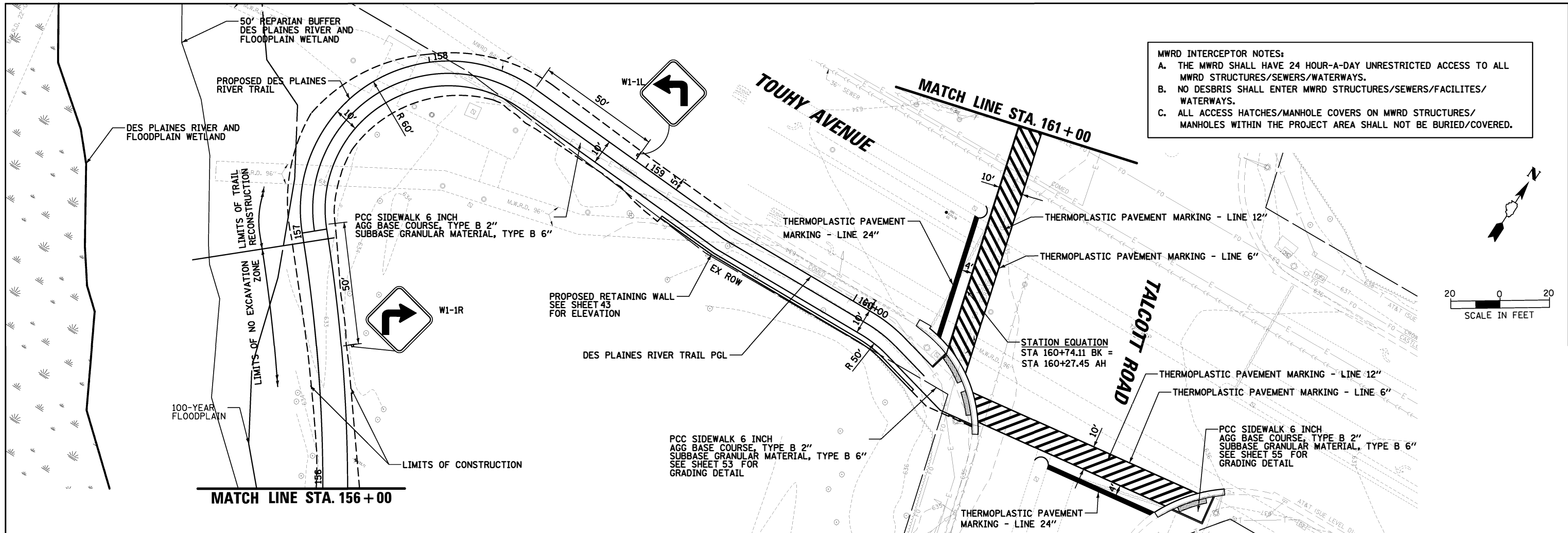
**DES PLAINES RIVER TRAIL SEGMENT 1
PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	39
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

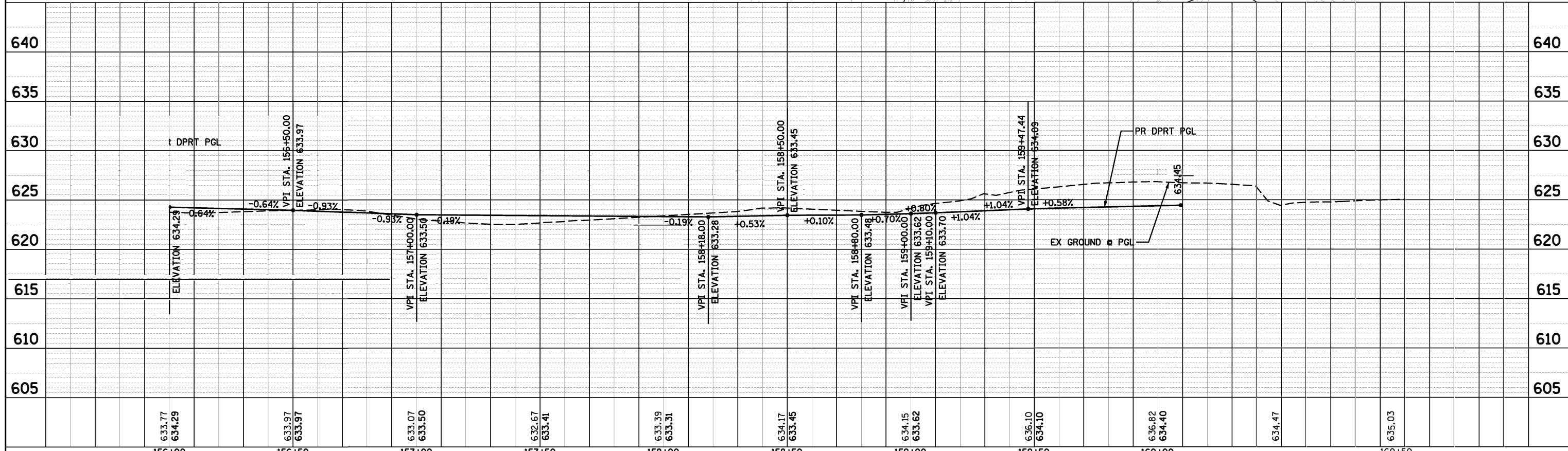
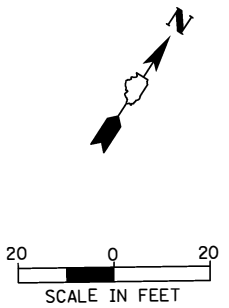
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	PLOTTED	BY
	DESIGNED	
	CHECKED	
	DATE	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	DESIGNED	
	CHECKED	
	DATE	
	NO.	
	FILE NAME	



MWRD INTERCEPTOR NOTES:

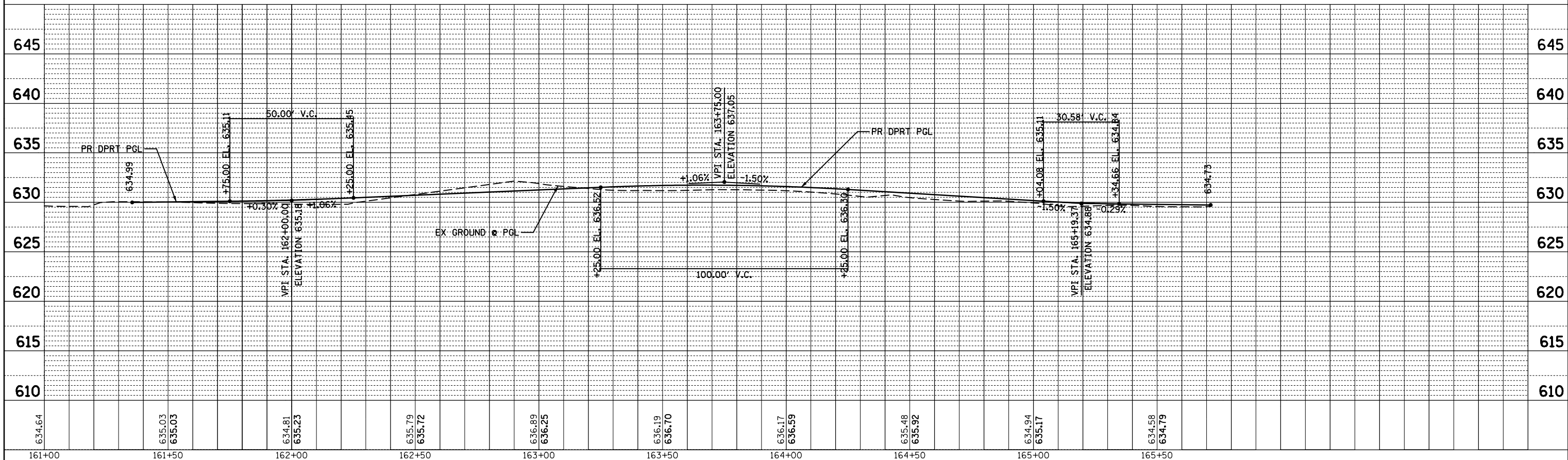
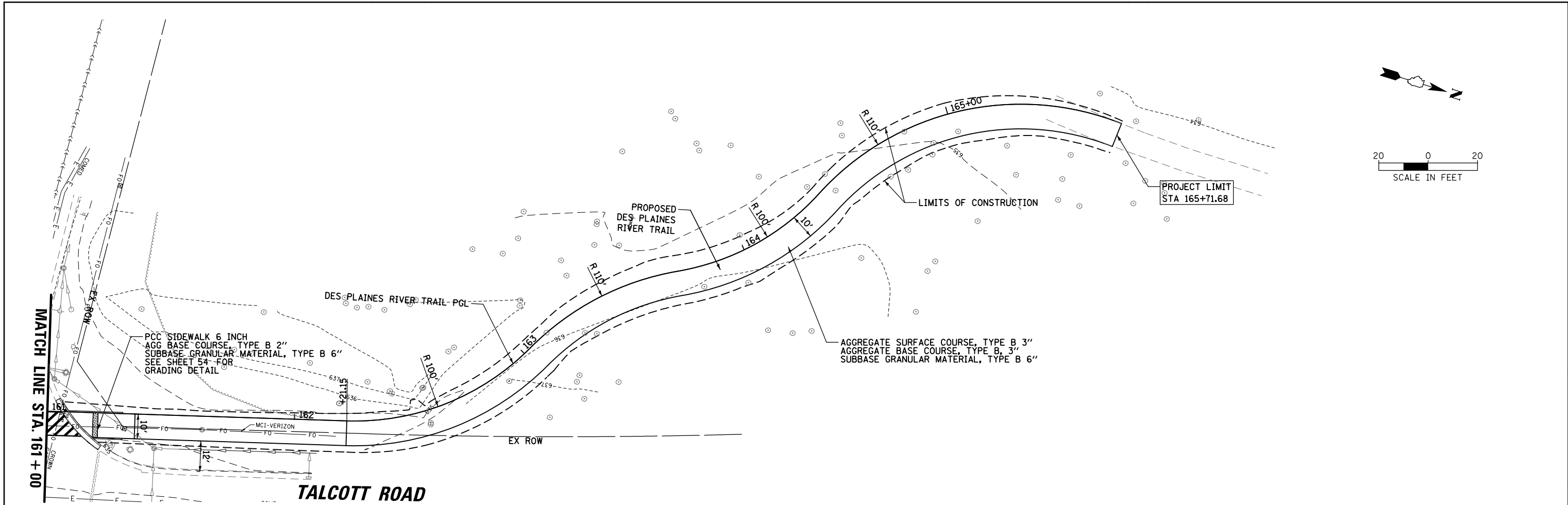
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- NO DESBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITES/WATERWAYS.
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FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Na\Par-k Rldge\220091\Csvi\NRP_220091_11.sh		DRAWN -	REVISED -		PLAN AND PROFILE				17-00034-00-BT	COOK	121	40	
Default		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61J18				
		DATE - 11/10/2022	REVISED -						ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		
	NO.		
	NO.		

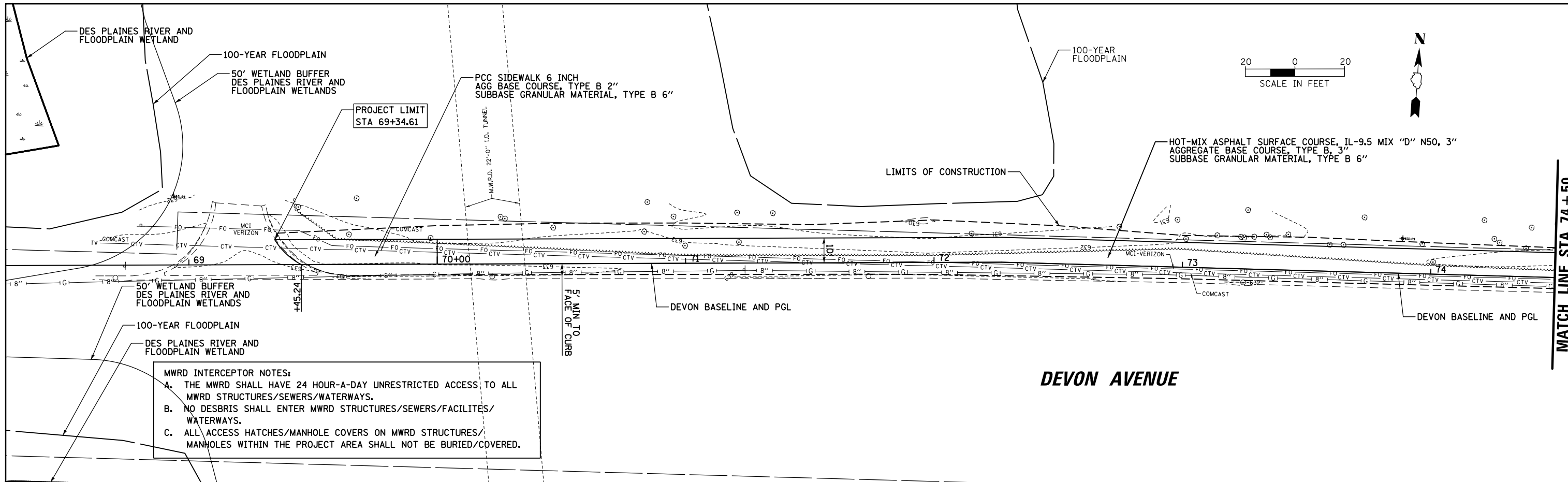
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	NO.		
	NO.		



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

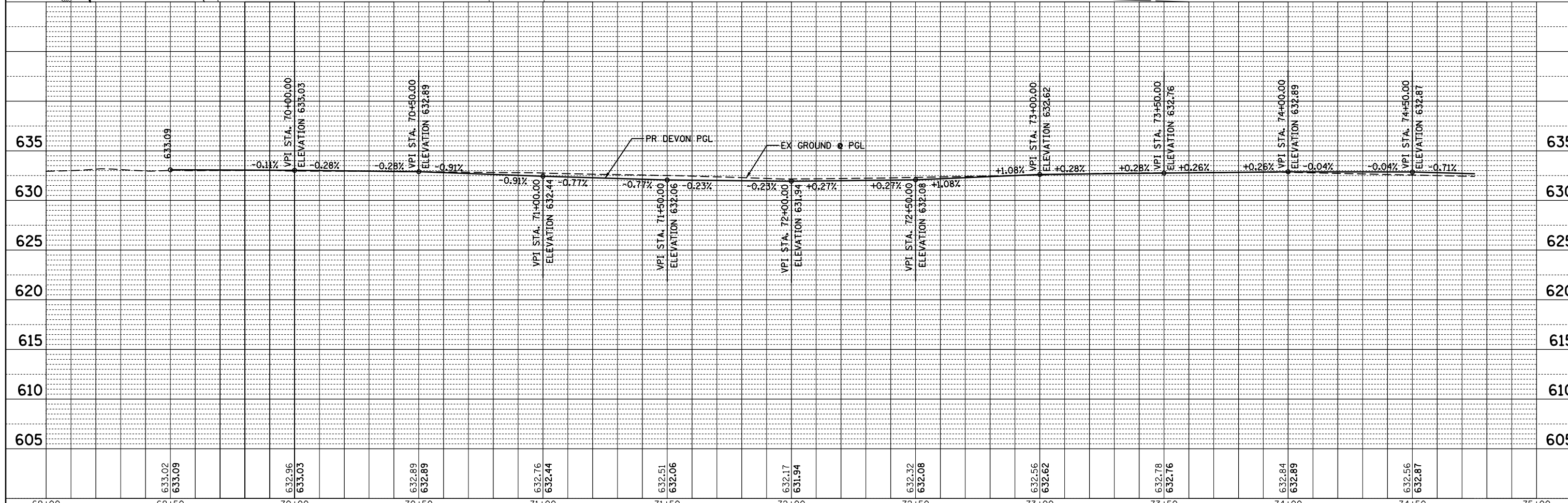
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	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHKD	
	NO.	



MWRD INTERCEPTOR NOTES:

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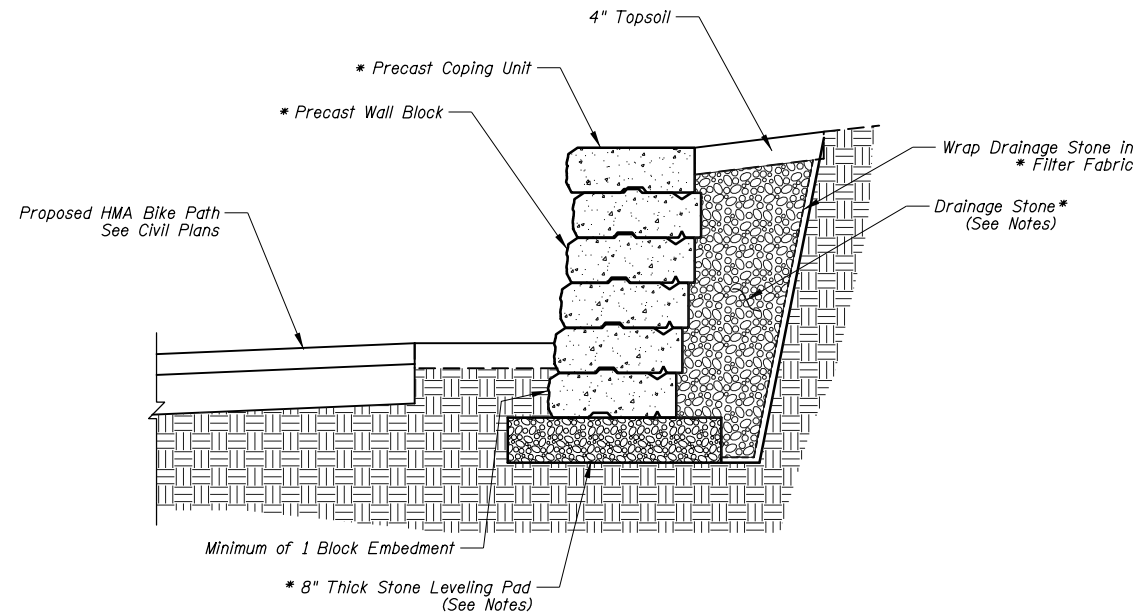
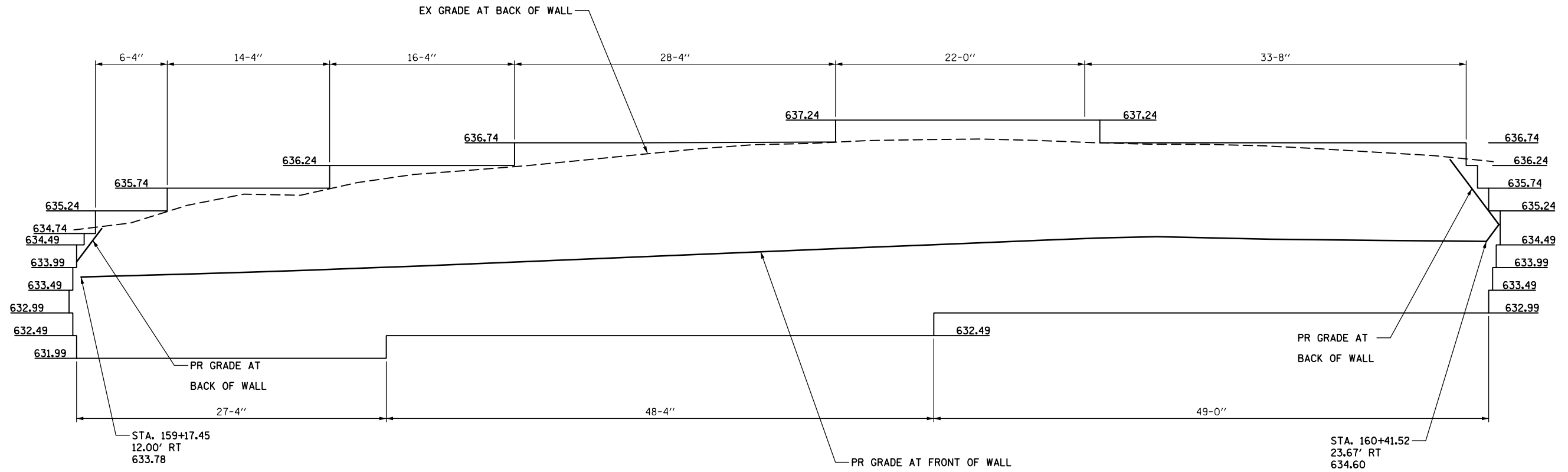
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 11/10/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
PLAN AND PROFILE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	42
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



NOTES

1. The wall color shall be approved by the Forest Preserve District prior to ordering materials.
2. Excavation behind the wall shall be limited due to the presence of a sensitive archeological area. The wall must be designed and constructed as a gravity wall, no excavation for tiebacks will be allowed.
3. Drainage stone behind the wall shall consist of angular 3/4" clear stone (no fines) and shall have a minimum effective internal friction angle of 36°. The drainage stone must be gap graded, angular, and free draining with no fines.
4. The leveling pad shall consist of well graded free draining granular material and shall have a minimum effective internal friction angle of 39°. The leveling pad shall be compacted to 98% Standard Proctor Density.

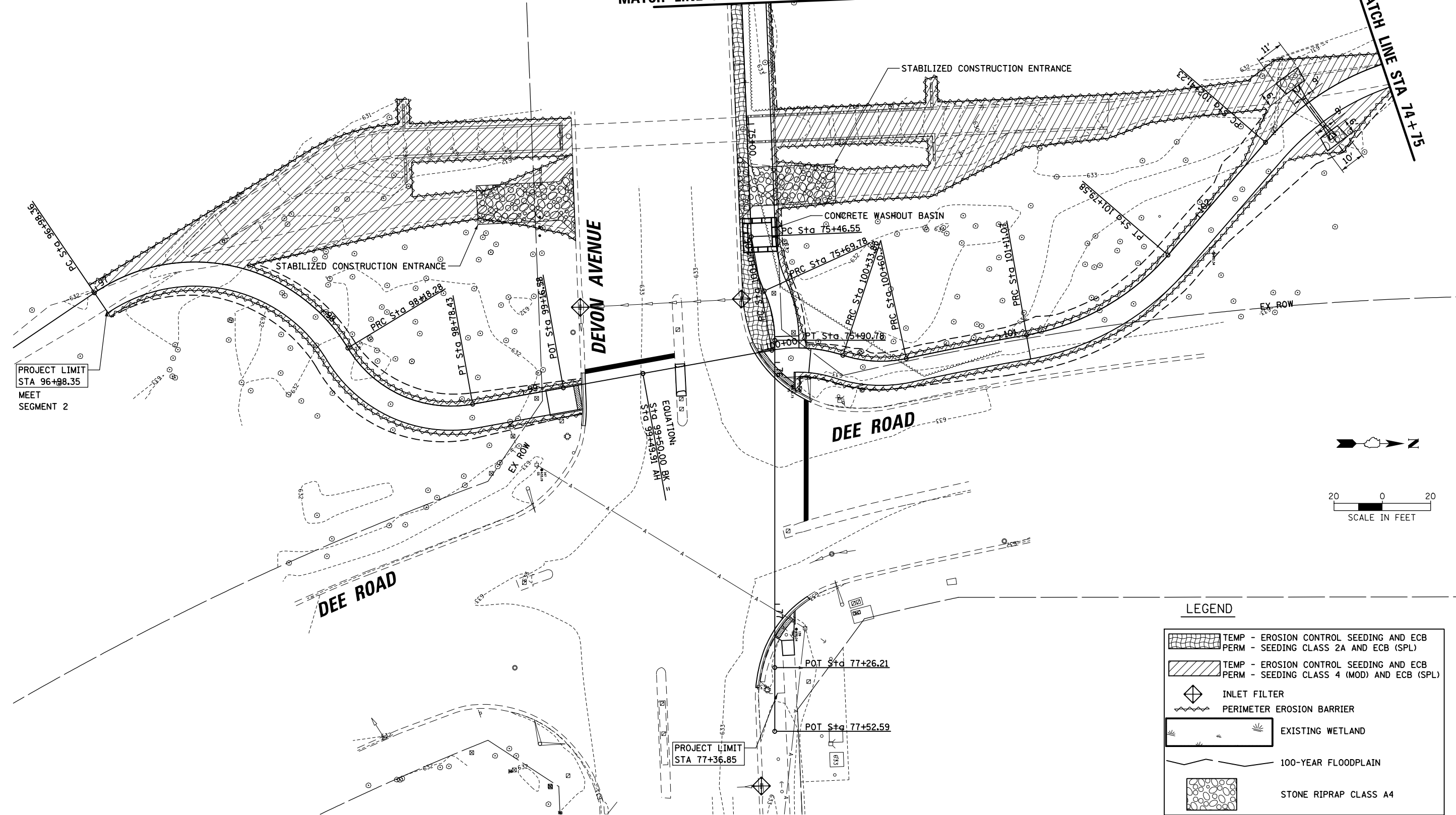
SEGMENTAL CONCRETE BLOCK WALL - TYPICAL SECTION

* Included in the Cost of Segmental Concrete Block Wall

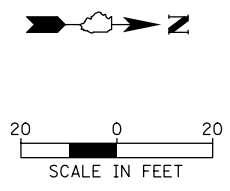
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N:\Park Ridge\220091\Civil\SAFETY-DET-220091-1.sht		DRAWN -	REVISED -						17-00034-00-BT	COOK	121	43	
Default	PLOT SCALE = 10'	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61J18	
	PLOT DATE = 11/1/2022	DATE -	REVISED -									ILLINOIS FED. AID PROJECT	

MATCH LINE STA 74+50 SEE SHEET NO. 50

MATCH LINE STA 74+15



PROJECT LIMIT
STA 96+98.35
MEET
SEGMENT 2



LEGEND

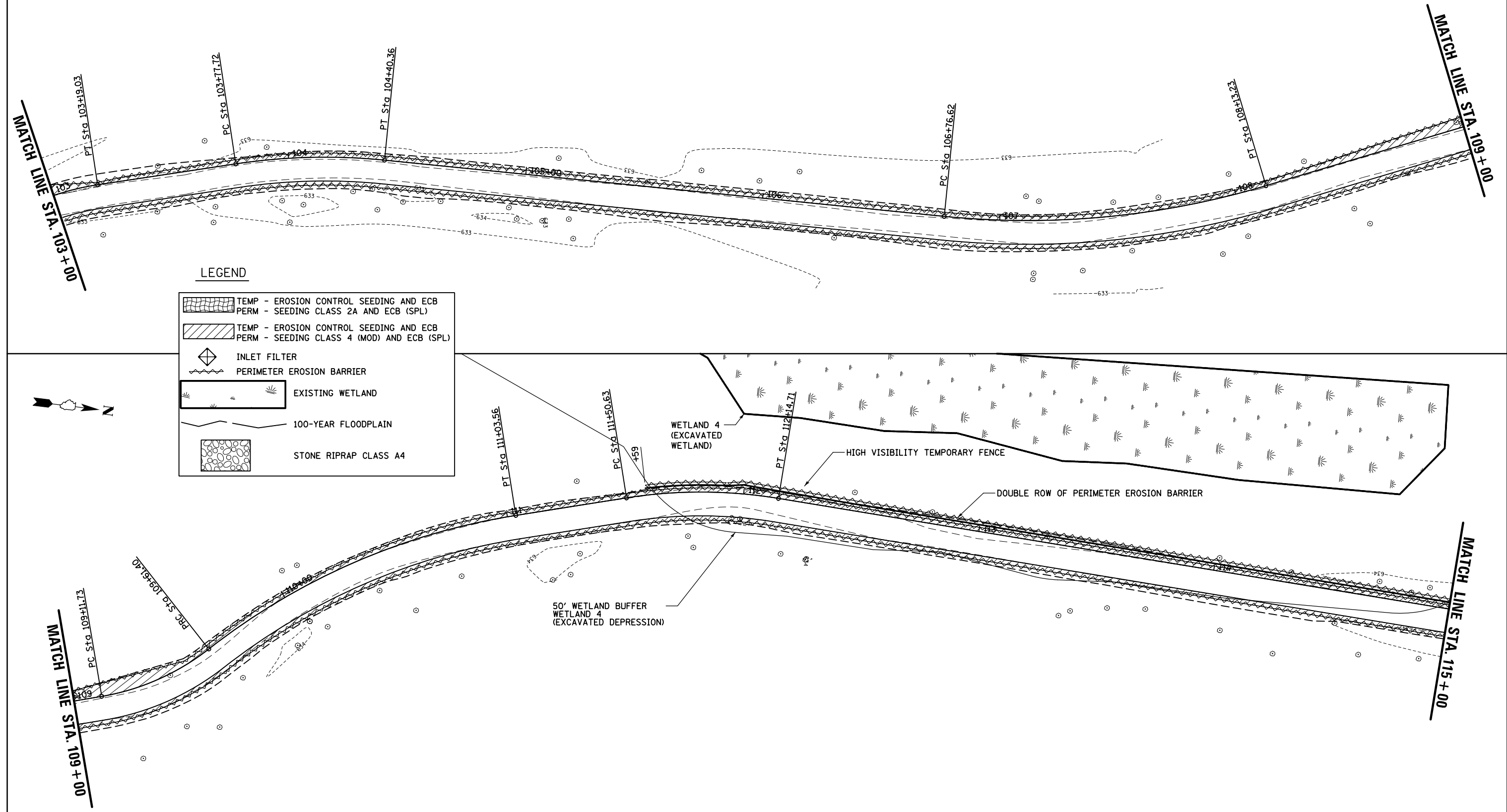
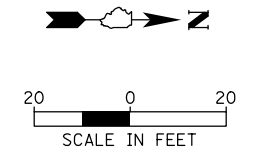
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 2A AND ECB (SPL)
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4 (MOD) AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN
	STONE RIPRAP CLASS A4

FILE NAME = N:\Park Ridge\220091\Civil\ECP_220091.lsp	USER NAME = mthomas	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT DATE = 11/1/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1			
EROSION CONTROL PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	44
CONTRACT NO. 61J18				
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 4 (MOD) AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN
	STONE RIPRAP CLASS A4



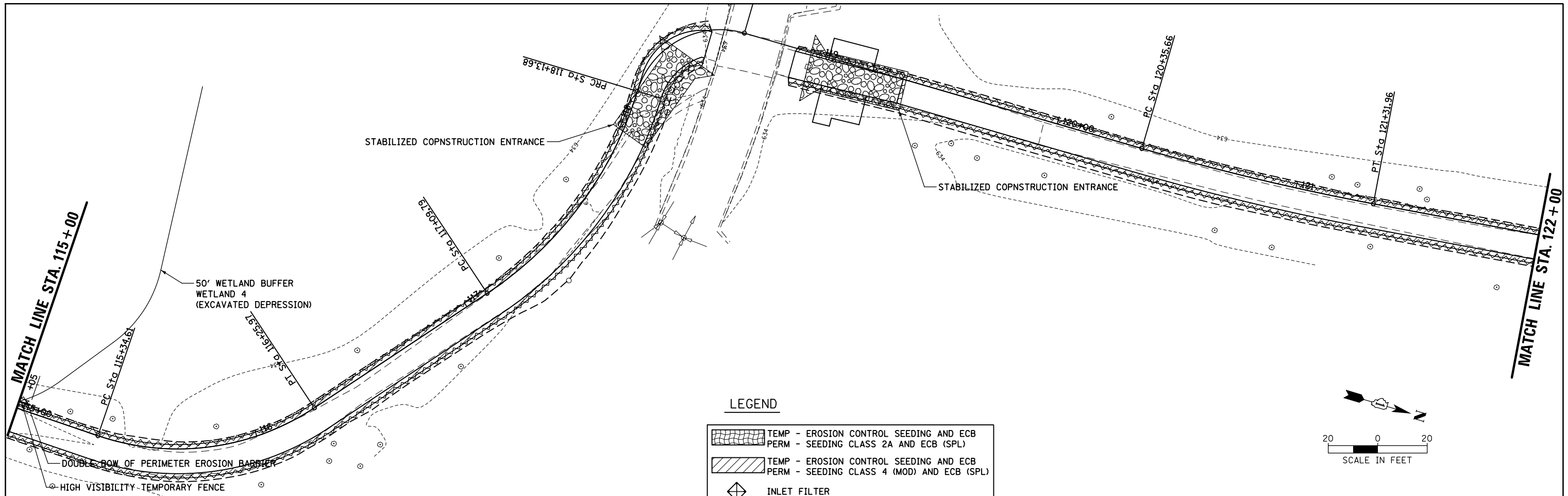
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Default	PLOT SCALE = 48"	DRAWN -	REVISED -
	PLOT DATE = 11/1/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
EROSION CONTROL PLAN**

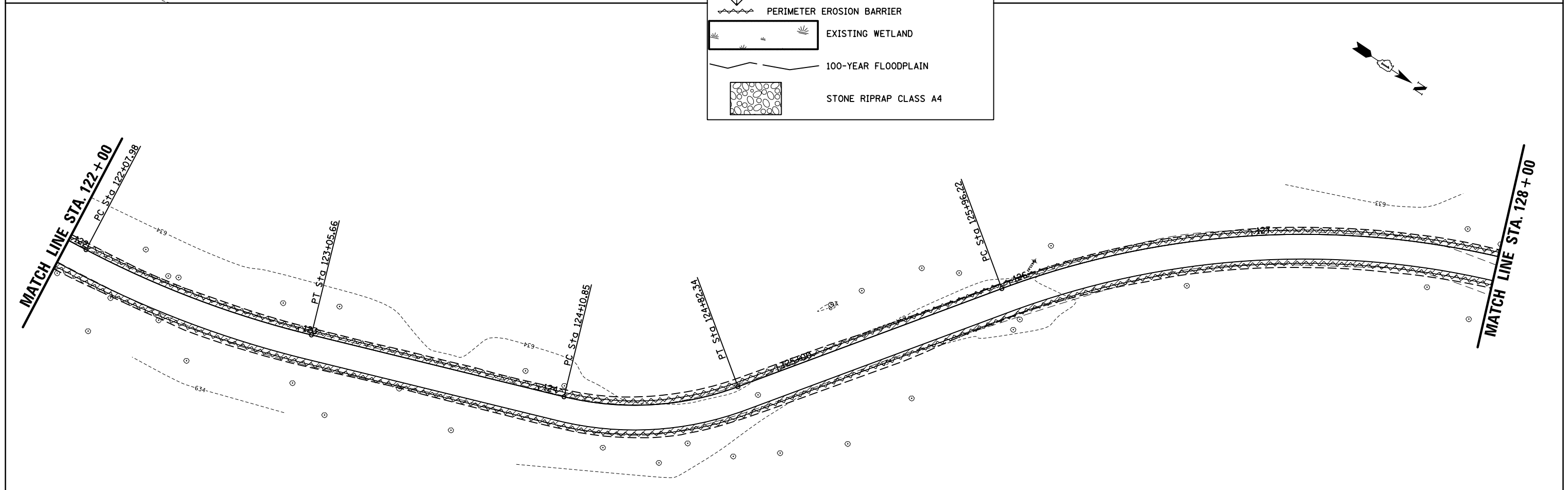
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	45
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				



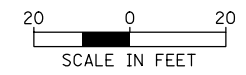
LEGEND

- TEMP - EROSION CONTROL SEEDING AND ECB
PERM - SEEDING CLASS 2A AND ECB (SPL)
- TEMP - EROSION CONTROL SEEDING AND ECB
PERM - SEEDING CLASS 4 (MOD) AND ECB (SPL)
- INLET FILTER
- PERIMETER EROSION BARRIER
- EXISTING WETLAND
- 100-YEAR FLOODPLAIN
- STONE RIPRAP CLASS A4



FILE NAME = N:\Park Ridge\220091\Civil\ECP_220091.3.dwg	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 EROSION CONTROL PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default	PLOT SCALE = 48"	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-00-BT	COOK	121	46
	PLOT DATE = 11/1/2022	CHECKED -	REVISED -		CONTRACT NO. 61J18										
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

DES PLAINES RIVER
FLOODPLAIN WETLAND



50' REPARIAN BUFFER
DES PLAINES RIVER AND
FLOODPLAIN WETLAND

100-YEAR
FLOODPLAIN

PR CULVERT

100-YEAR
FLOODPLAIN

50' REPARIAN BUFFER
DES PLAINES RIVER AND
FLOODPLAIN WETLAND

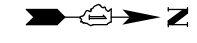
MATCH LINE STA. 128 + 00
PRC Sta 128+06.86

MATCH LINE STA. 134 + 00
PT Sta 133+82.11

LEGEND

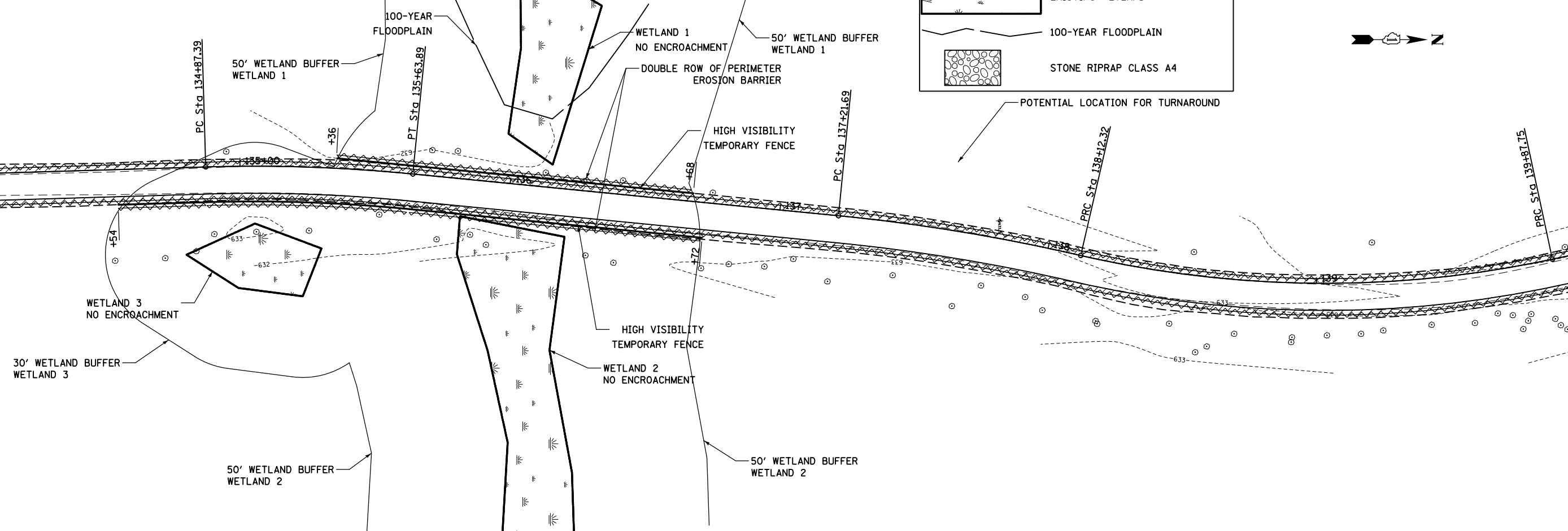
- TEMP - EROSION CONTROL SEEDING AND ECB
PERM - SEEDING CLASS 2A AND ECB (SPL)
- TEMP - EROSION CONTROL SEEDING AND ECB
PERM - SEEDING CLASS 4 (MOD) AND ECB (SPL)
- INLET FILTER
- PERIMETER EROSION BARRIER
- EXISTING WETLAND
- 100-YEAR FLOODPLAIN
- STONE RIPRAP CLASS A4

POTENTIAL LOCATION FOR TURNAROUND



MATCH LINE STA. 134 + 00

MATCH LINE STA. 140 + 00



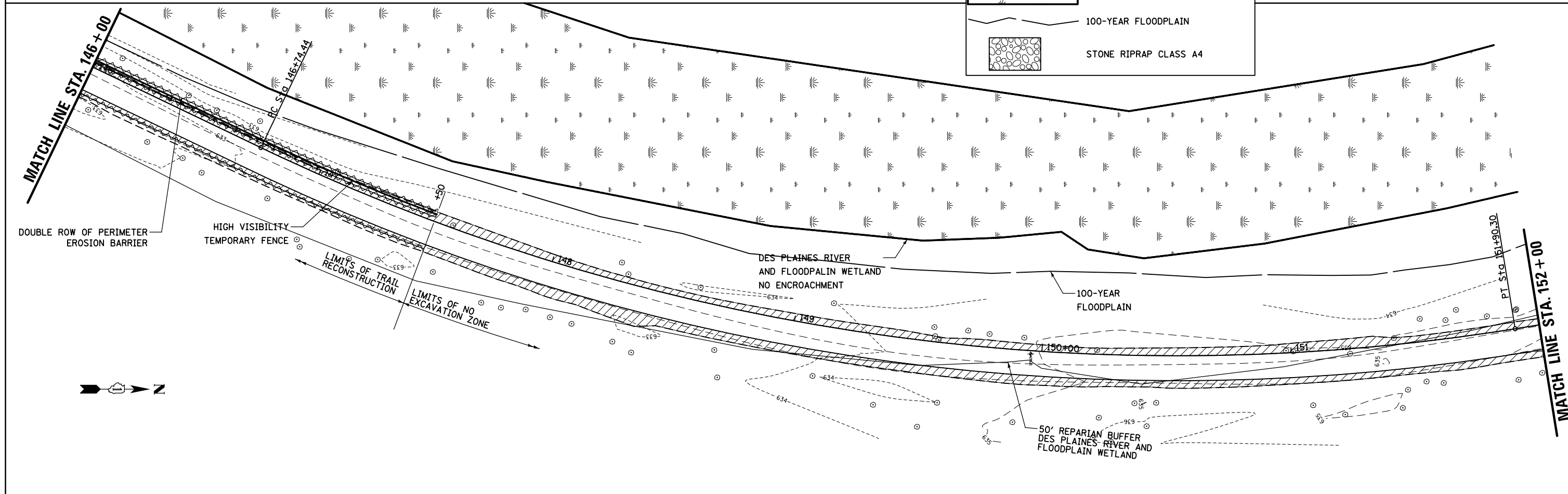
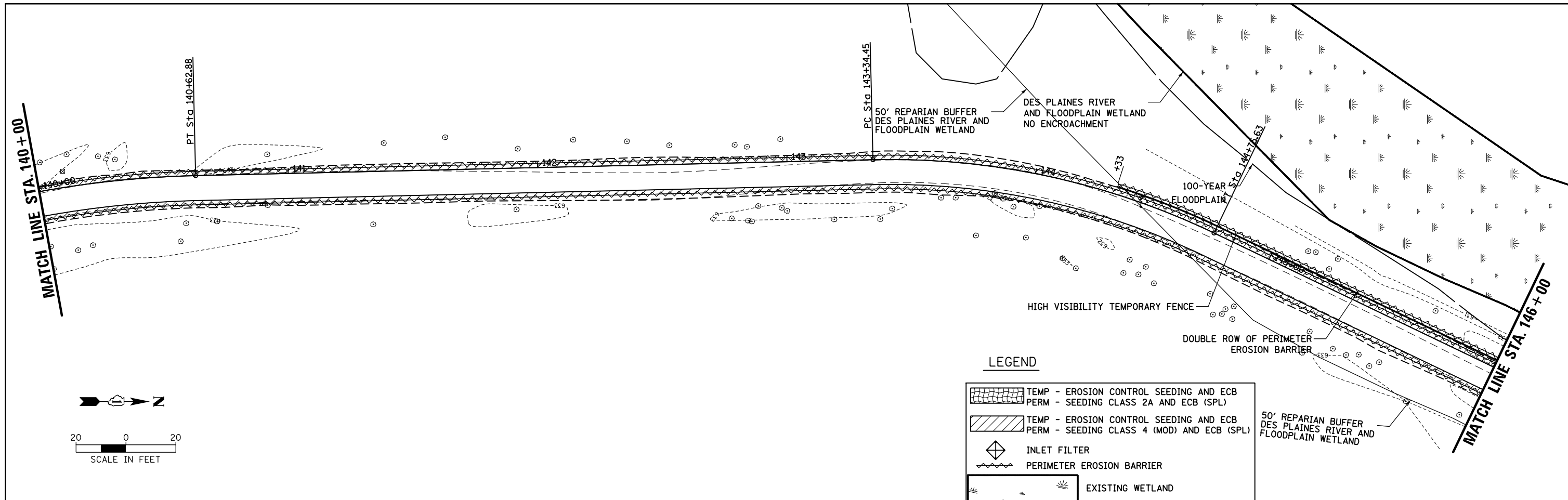
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 11/1/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
EROSION CONTROL PLAN

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	47
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				



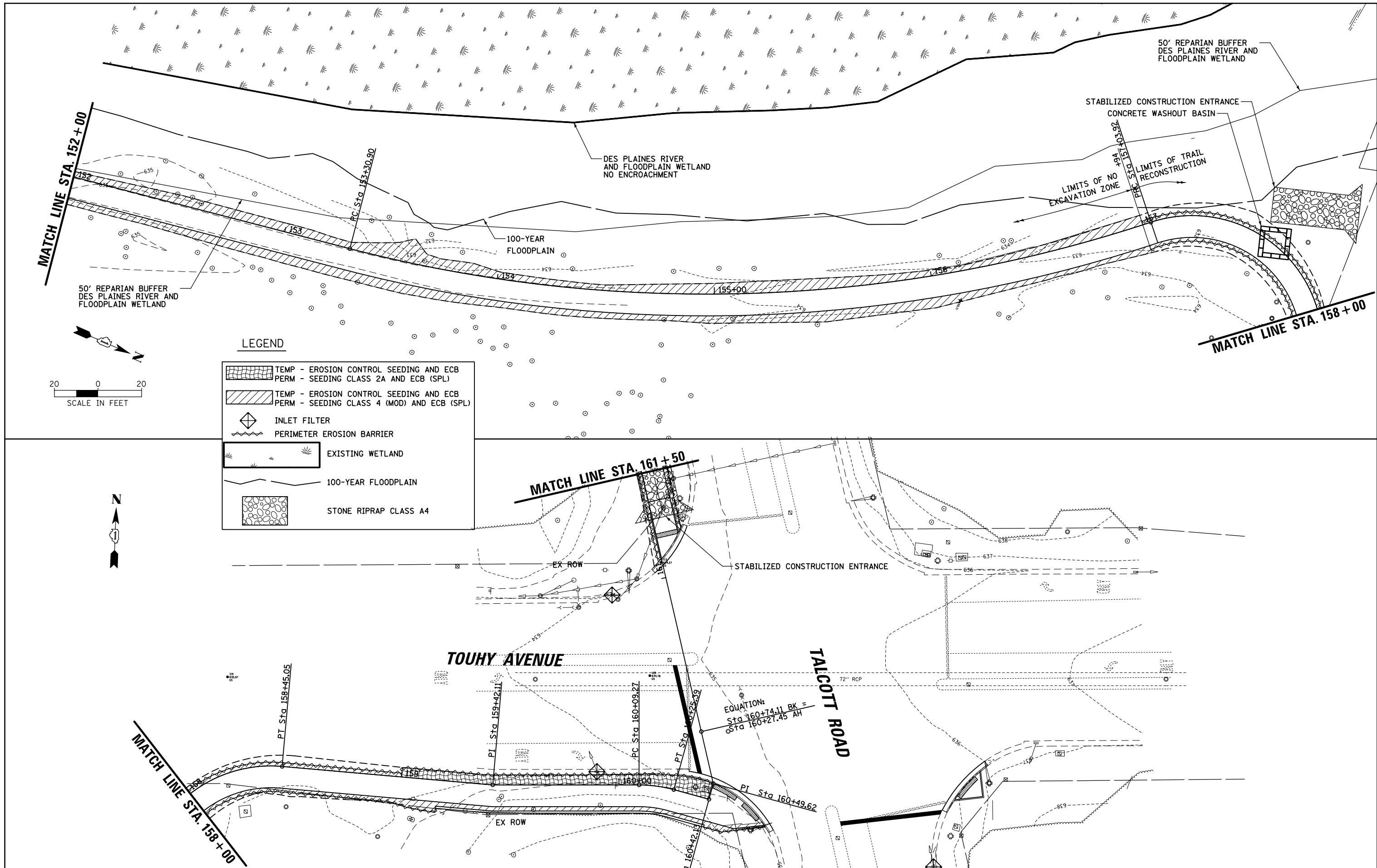
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N:\Park Ridge\220091\Civil\ECP_220091.5.dwg		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT SCALE = 48"	DATE -	REVISED -
	PLOT DATE = 11/1/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
EROSION CONTROL PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	48
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

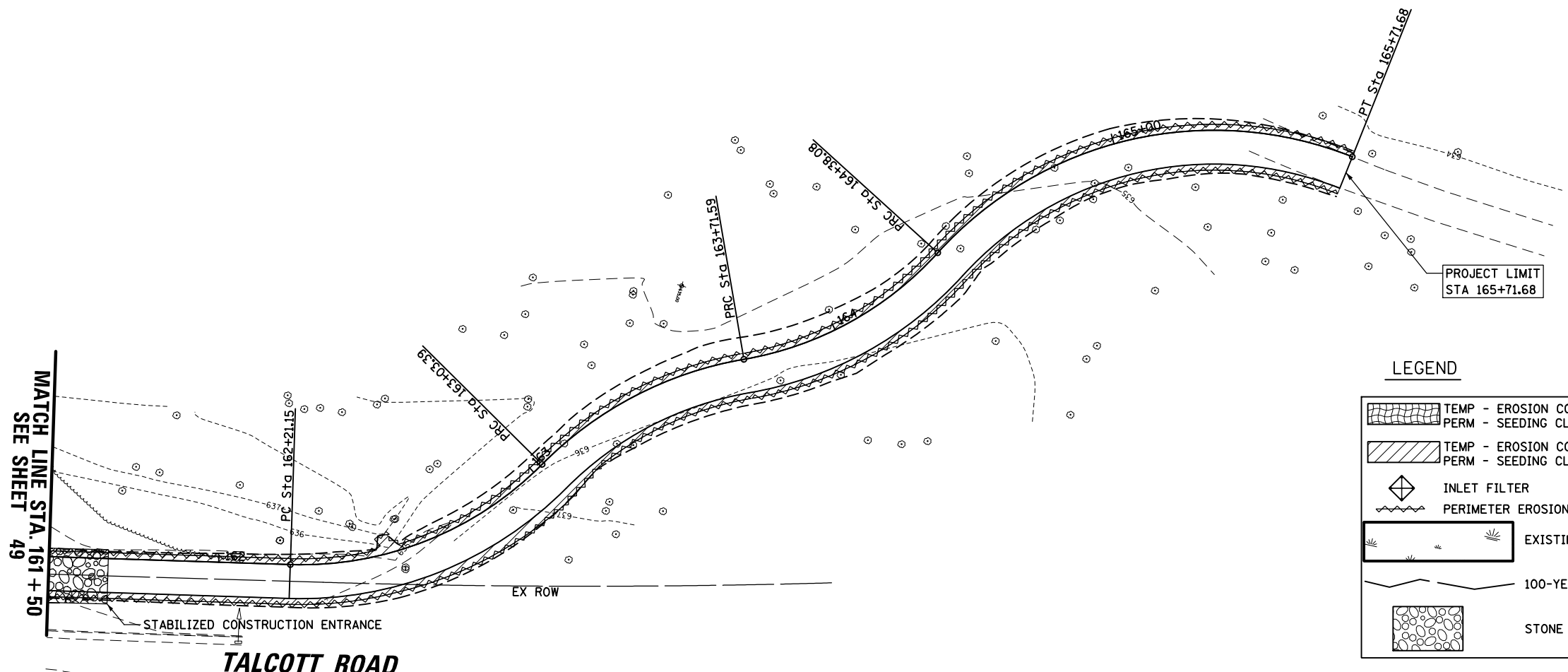
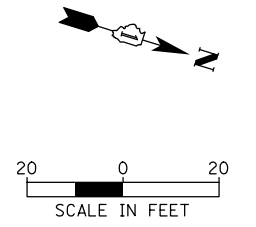
SCALE: SHEET OF SHEETS STA. TO STA.



LEGEND

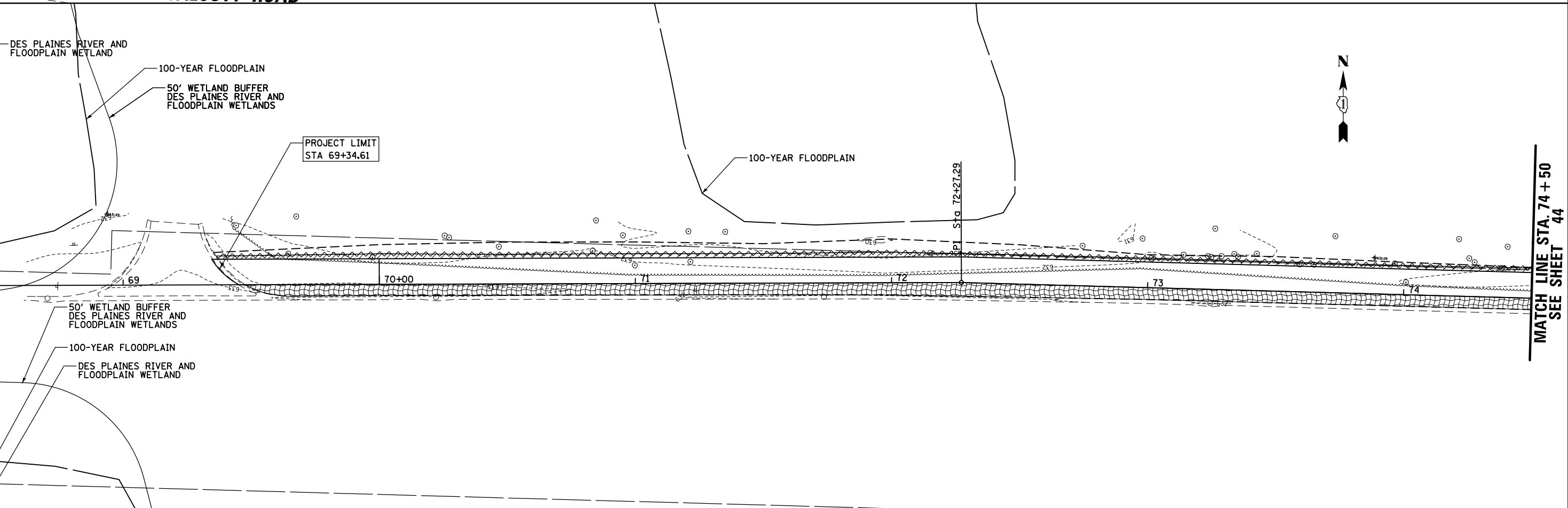
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 2A AND ECB (SPL)
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4 (MOD) AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN
	STONE RIPRAP CLASS A4

FILE NAME = N:\Park Ridge\220091\Civil\ECP_220091.dwg	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 EROSION CONTROL PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default	PLOT SCALE = 48'	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-00-BT	COOK	121	49
	PLOT DATE = 11/1/2022	CHECKED -	REVISED -									CONTRACT NO. 61J18			
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT			

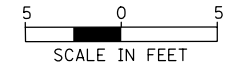


LEGEND

	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 2A AND ECB (SPL)
	TEMP - EROSION CONTROL SEEDING AND ECB PERM - SEEDING CLASS 4 (MOD) AND ECB (SPL)
	INLET FILTER
	PERIMETER EROSION BARRIER
	EXISTING WETLAND
	100-YEAR FLOODPLAIN
	STONE RIPRAP CLASS A4

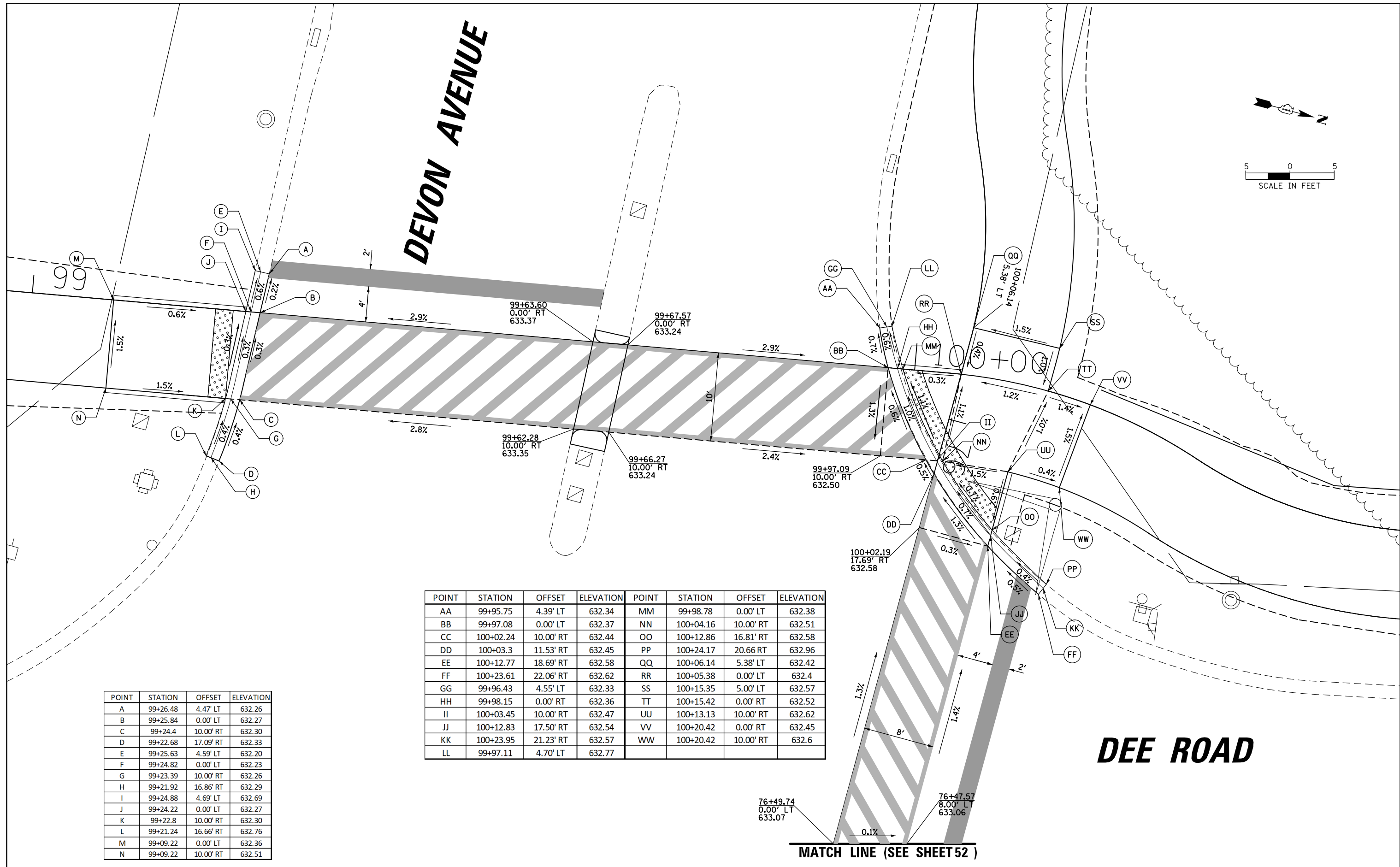


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Default	PLOT SCALE = 48'	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-00-BT	COOK	121	50
	PLOT DATE = 11/1/2022	CHECKED -	REVISED -		CONTRACT NO. 61J18										
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



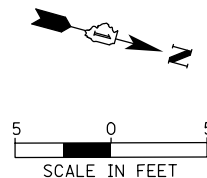
DEVON AVENUE

DEE ROAD



POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
AA	99+95.75	4.39' LT	632.34	MM	99+98.78	0.00' LT	632.38
BB	99+97.08	0.00' LT	632.37	NN	100+04.16	10.00' RT	632.51
CC	100+02.24	10.00' RT	632.44	OO	100+12.86	16.81' RT	632.58
DD	100+03.3	11.53' RT	632.45	PP	100+24.17	20.66 RT	632.96
EE	100+12.77	18.69' RT	632.58	QQ	100+06.14	5.38' LT	632.42
FF	100+23.61	22.06' RT	632.62	RR	100+05.38	0.00' LT	632.4
GG	99+96.43	4.55' LT	632.33	SS	100+15.35	5.00' LT	632.57
HH	99+98.15	0.00' RT	632.36	TT	100+15.42	0.00' RT	632.52
II	100+03.45	10.00' RT	632.47	UU	100+13.13	10.00' RT	632.62
JJ	100+12.83	17.50' RT	632.54	VV	100+20.42	0.00' RT	632.45
KK	100+23.95	21.23' RT	632.57	WW	100+20.42	10.00' RT	632.6
LL	99+97.11	4.70' LT	632.77				

POINT	STATION	OFFSET	ELEVATION
A	99+26.48	4.47' LT	632.26
B	99+25.84	0.00' LT	632.27
C	99+24.4	10.00' RT	632.30
D	99+22.68	17.09' RT	632.33
E	99+25.63	4.59' LT	632.20
F	99+24.82	0.00' LT	632.23
G	99+23.39	10.00' RT	632.26
H	99+21.92	16.86' RT	632.29
I	99+24.88	4.69' LT	632.69
J	99+24.22	0.00' LT	632.27
K	99+22.8	10.00' RT	632.30
L	99+21.24	16.66' RT	632.76
M	99+09.22	0.00' LT	632.36
N	99+09.22	10.00' RT	632.51

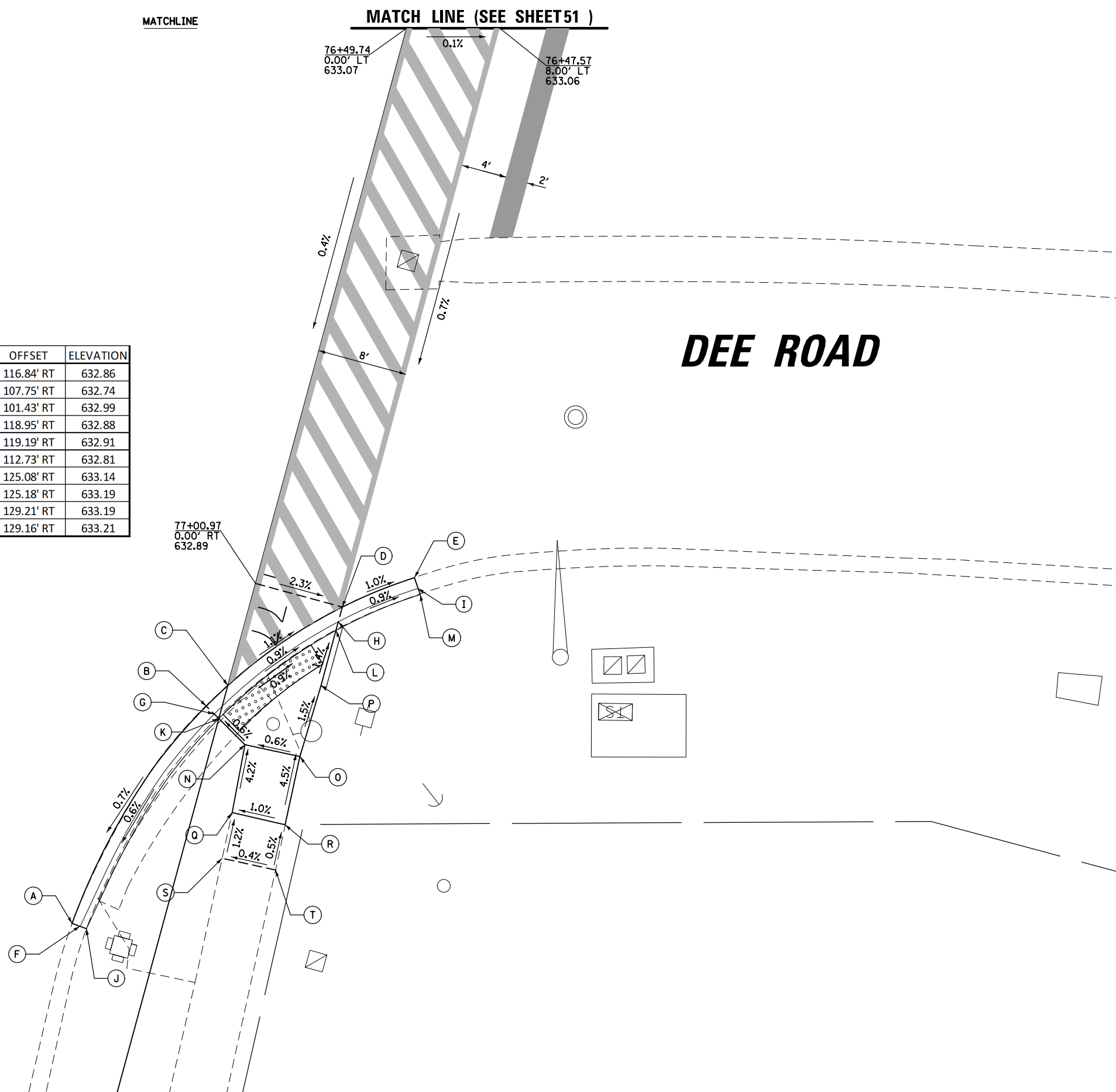


POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
A	99+72.9	136.14' RT	632.71	K	99+84.32	116.84' RT	632.86
B	99+83.11	115.83' RT	632.87	L	100+38.36	107.75' RT	632.74
C	99+84.86	113.84' RT	632.86	M	100+40.03	101.43' RT	632.99
D	100+38.21	105.66' RT	632.71	N	99+86.85	118.95' RT	632.88
E	100+39.67	100.36' RT	632.64	O	100+39.1	119.19' RT	632.91
F	99+73.61	136.33' RT	632.70	P	100+38.72	112.73' RT	632.81
G	99+83.88	116.47' RT	632.83	Q	99+86.23	125.08' RT	633.14
H	100+38.31	106.97' RT	632.7	R	100+39.57	125.18' RT	633.19
I	100+39.86	100.91' RT	632.63	S	99+85.7	129.21' RT	633.19
J	99+74.21	136.50' RT	633.07	T	100+39.87	129.16' RT <td 633.21	

DEVON AVENUE

MATCHLINE

MATCH LINE (SEE SHEET 51)



DEE ROAD

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
N:\Park Ridge\220091\Civil\ADA_220091.02.sht		DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 11/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
ADA GRADING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

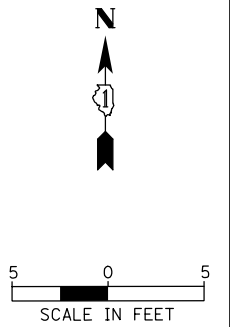
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	52
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

TOUHY AVENUE

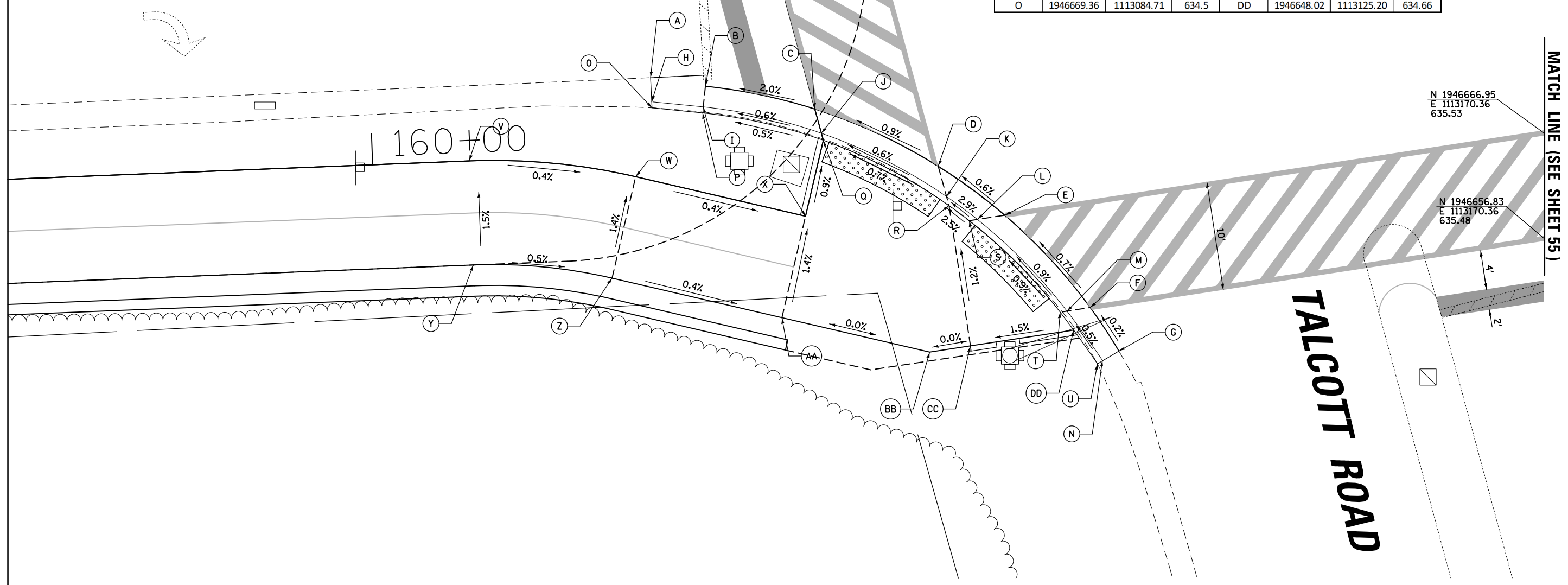
MATCH LINE (SEE SHEET 54)

160+49.91
10.00' RT
634.98

160+52.64
0.00' LT
634.87



POINT	NORTHING	EASTING	ELEV	POINT	NORTHING	EASTING	ELEV
A	1946672.26	1113084.58	634.13	P	1946668.87	1113089.57	634.19
B	1946671.44	1113089.84	634.1	Q	1946666.24	1113101.16	634.26
C	1946669.24	1113100.34	634.31	R	1946659.97	1113113.23	634.35
D	1946663.75	1113112.20	634.43	S	1946658.52	1113115.18	634.41
E	1946659.05	1113118.60	634.48	T	1946649.74	1113123.9	634.52
F	1946650.18	1113126.80	634.57	U	1946644.78	1113127.48	634.91
G	1946646.01	1113129.55	634.58	V	1946664.26	1113067.16	634.45
H	1946669.94	1113084.68	634.1	W	1946662.74	1113083.15	634.39
I	1946669.45	1113089.63	634.15	X	1946658.95	1113099.46	634.33
J	1946666.92	1113100.97	634.23	Y	1946654.27	1113067.55	634.6
K	1946660.84	1113112.99	634.31	Z	1946653.01	1113080.88	634.53
L	1946658.64	1113115.96	634.37	AA	1946649.21	1113097.19	634.47
M	1946649.84	1113124.56	634.48	BB	1946645.91	1113111.38	634.47
N	1946645.08	1113127.98	634.51	CC	1946646.5	1113115.29	634.51
O	1946669.36	1113084.71	634.5	DD	1946648.02	1113125.20	634.66



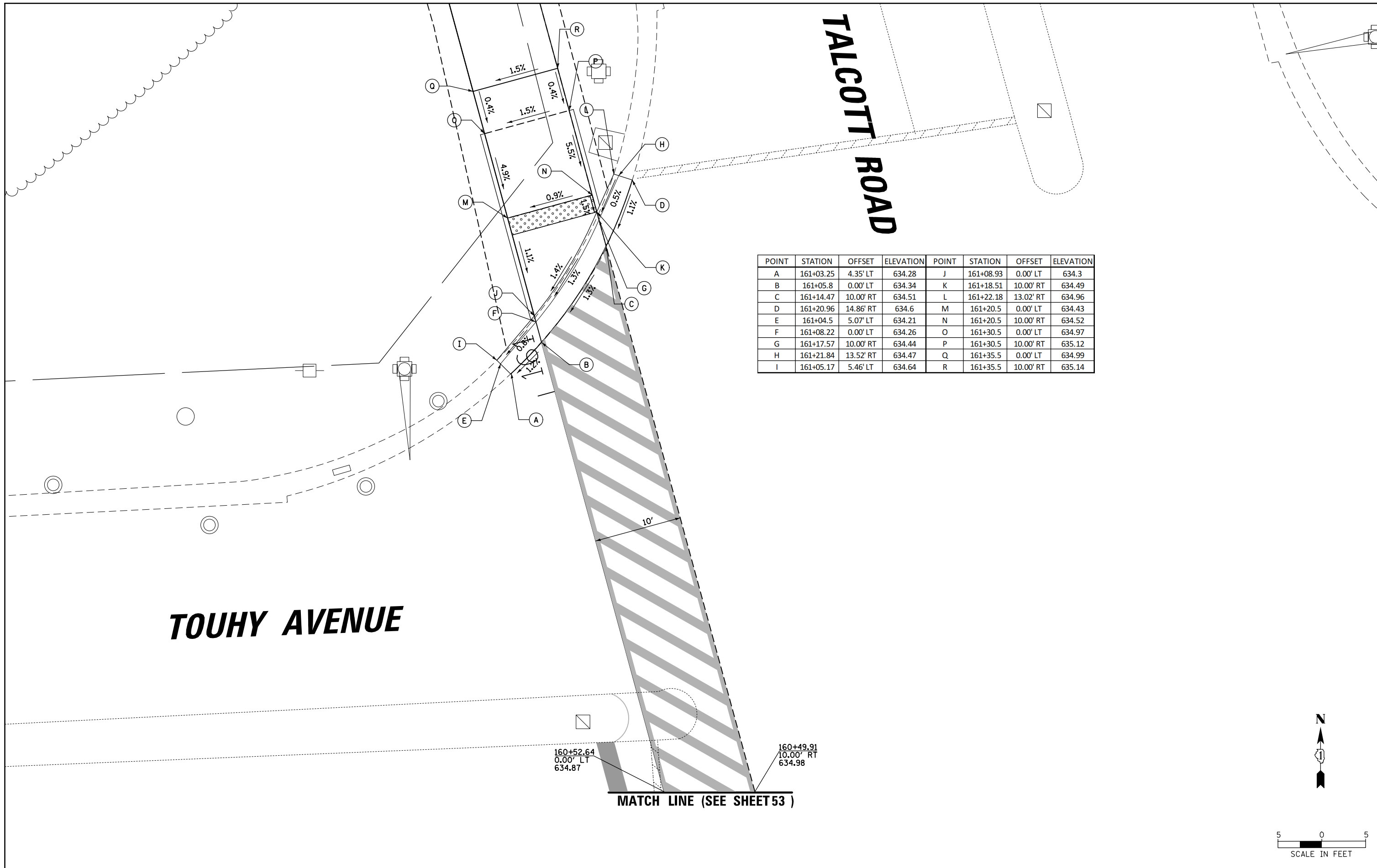
N 1946666.95
E 1113170.36
635.53

N 1946656.83
E 1113170.36
635.48

MATCH LINE (SEE SHEET 55)

TALCOTT ROAD

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 ADA GRADING DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\Park Ridge\220091\Civil\ADA_220091.03.sht		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-00-BT	COOK	121	53
Default		CHECKED -	REVISED -						CONTRACT NO. 61J18						
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT						

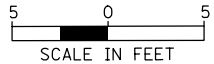


POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
A	161+03.25	4.35' LT	634.28	J	161+08.93	0.00' LT	634.3
B	161+05.8	0.00' LT	634.34	K	161+18.51	10.00' RT	634.49
C	161+14.47	10.00' RT	634.51	L	161+22.18	13.02' RT	634.96
D	161+20.96	14.86' RT	634.6	M	161+20.5	0.00' LT	634.43
E	161+04.5	5.07' LT	634.21	N	161+20.5	10.00' RT	634.52
F	161+08.22	0.00' LT	634.26	O	161+30.5	0.00' LT	634.97
G	161+17.57	10.00' RT	634.44	P	161+30.5	10.00' RT	635.12
H	161+21.84	13.52' RT	634.47	Q	161+35.5	0.00' LT	634.99
I	161+05.17	5.46' LT	634.64	R	161+35.5	10.00' RT	635.14

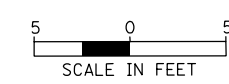
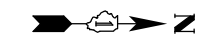
TOUHY AVENUE

TALCOTT ROAD

MATCH LINE (SEE SHEET 53)



FILE NAME = N:\Park Ridge\220091\Civil\ADA.220091.04.sht	USER NAME = mthomas	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL SEGMENT 1 ADA GRADING DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default	PLOT SCALE = 10'	DRAWN -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-00-BT	COOK	121	54
	PLOT DATE = 11/1/2022	CHECKED -	REVISIED -		CONTRACT NO. 61J18										
		DATE -	REVISIED -		ILLINOIS FED. AID PROJECT										



MATCH LINE (SEE SHEET 53)

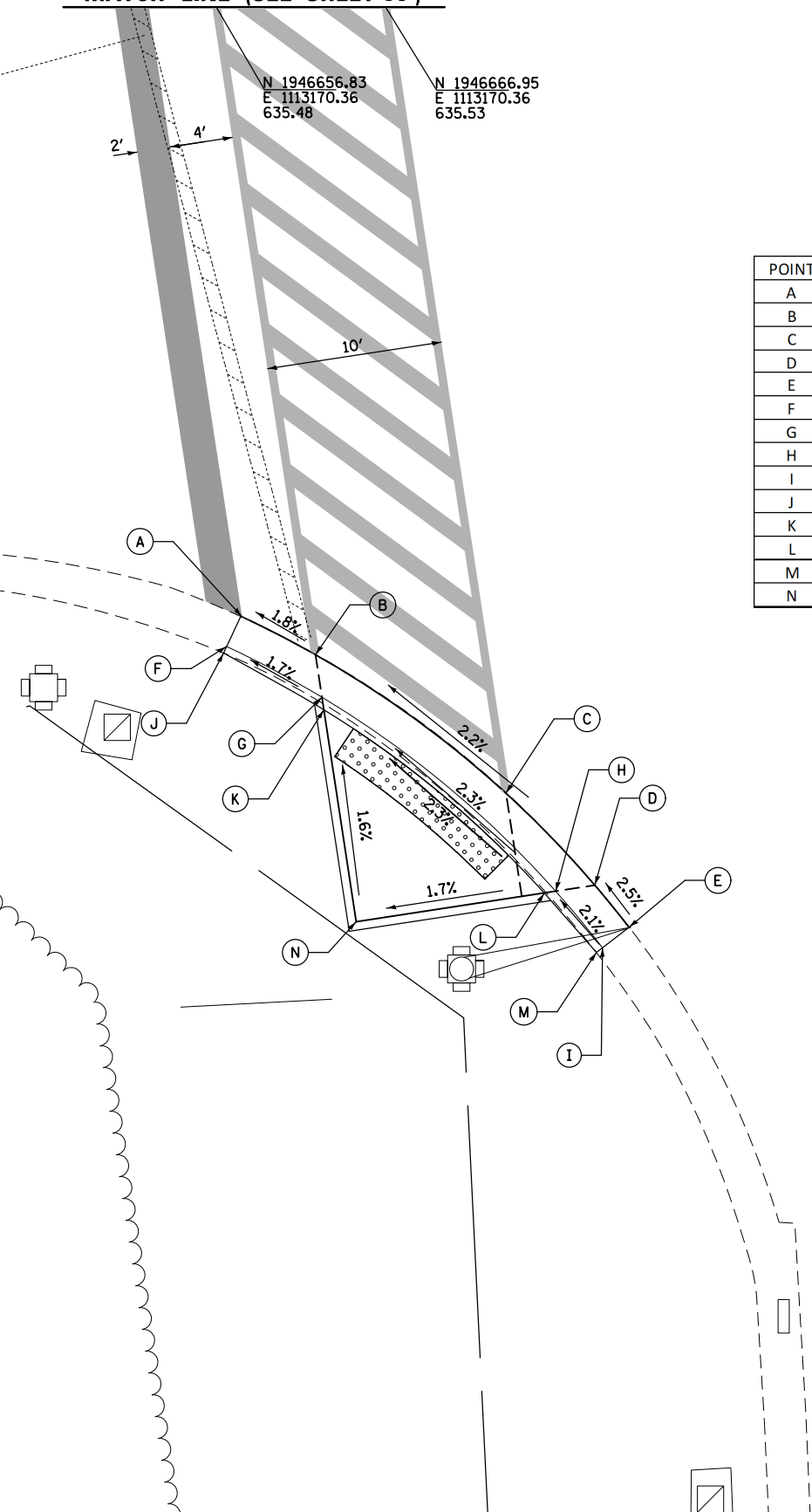
N 1946656.83
E 1113170.36
635.48

N 1946666.95
E 1113170.36
635.53

TALCOTT ROAD

POINT	NORTHING	EASTING	ELEVATION
A	1946658.27	1113206.67	635.36
B	1946662.73	1113208.97	635.45
C	1946674.10	1113217.24	635.74
D	1946679.42	1113222.74	635.92
E	1946681.46	1113225.25	636.00
F	1946657.53	1113208.37	635.29
G	1946663.11	1113211.51	635.4
H	1946677.07	1113223.10	635.82
I	1946679.97	1113226.39	635.91
J	1946657.25	1113208.87	635.73
K	1946663.23	1113212.26	635.44
L	1946676.39	1113223.20	635.84
M	1946679.51	1113226.75	636.38
N	1946665.16	1113224.92	635.65

TOUHY AVENUE



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
N:\Park Ridge\220091\Civil\ADA.220091.05.sht		DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 11/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
ADA GRDING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	55
CONTRACT NO. 61J18				
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			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
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								

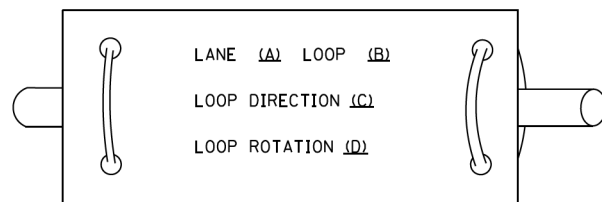
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11/1/2022

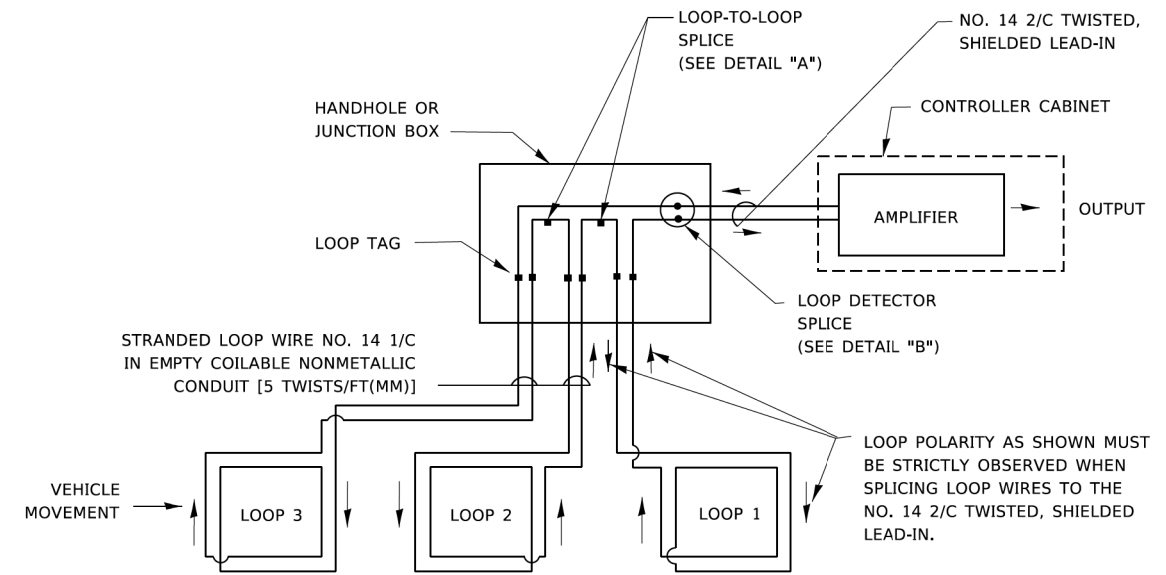
LOOP DETECTOR NOTES

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.

LOOP LEAD-IN CABLE TAG

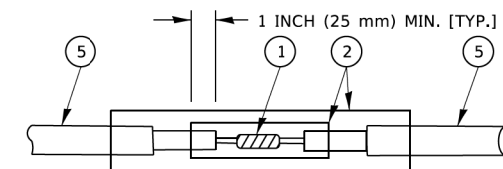


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

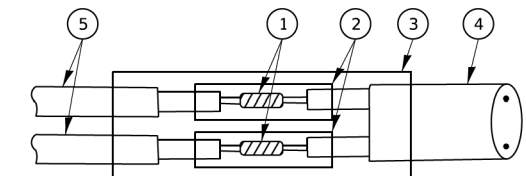


DETECTOR LOOP WIRING SCHEMATIC

- 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.

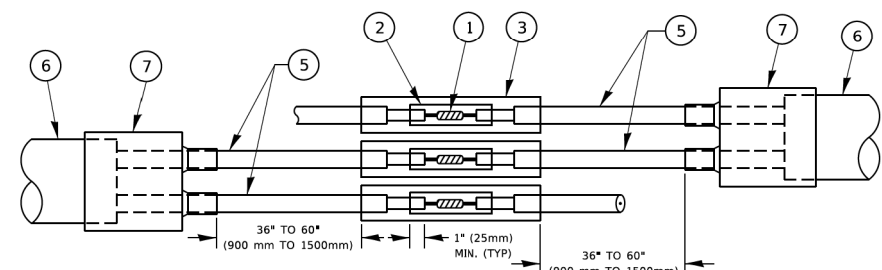


DETAIL "A"
LOOP-TO-LOOP SPLICE

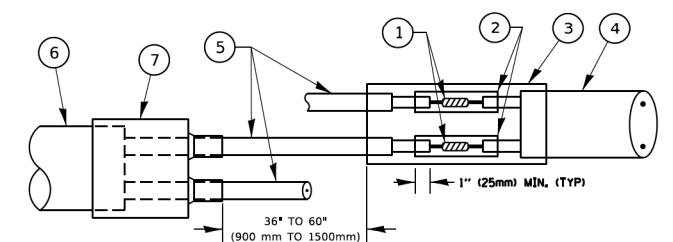


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED 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. PRE-FORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

11/1/2022

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

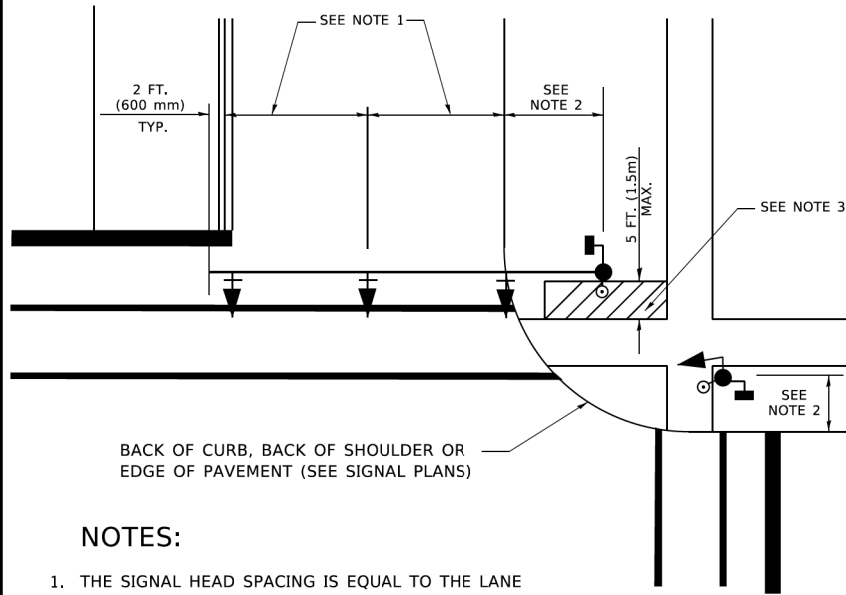
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.R. RTE. 17-00034-00-BT	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		COOK	121	57
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J18	

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

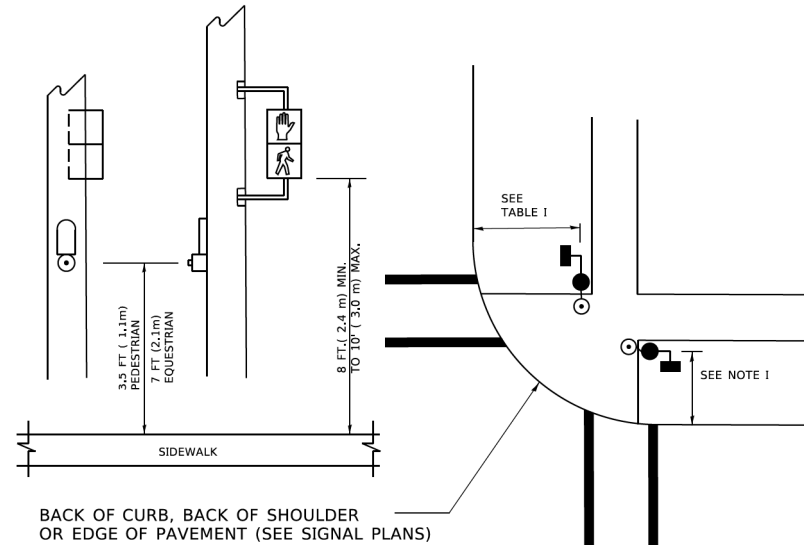
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

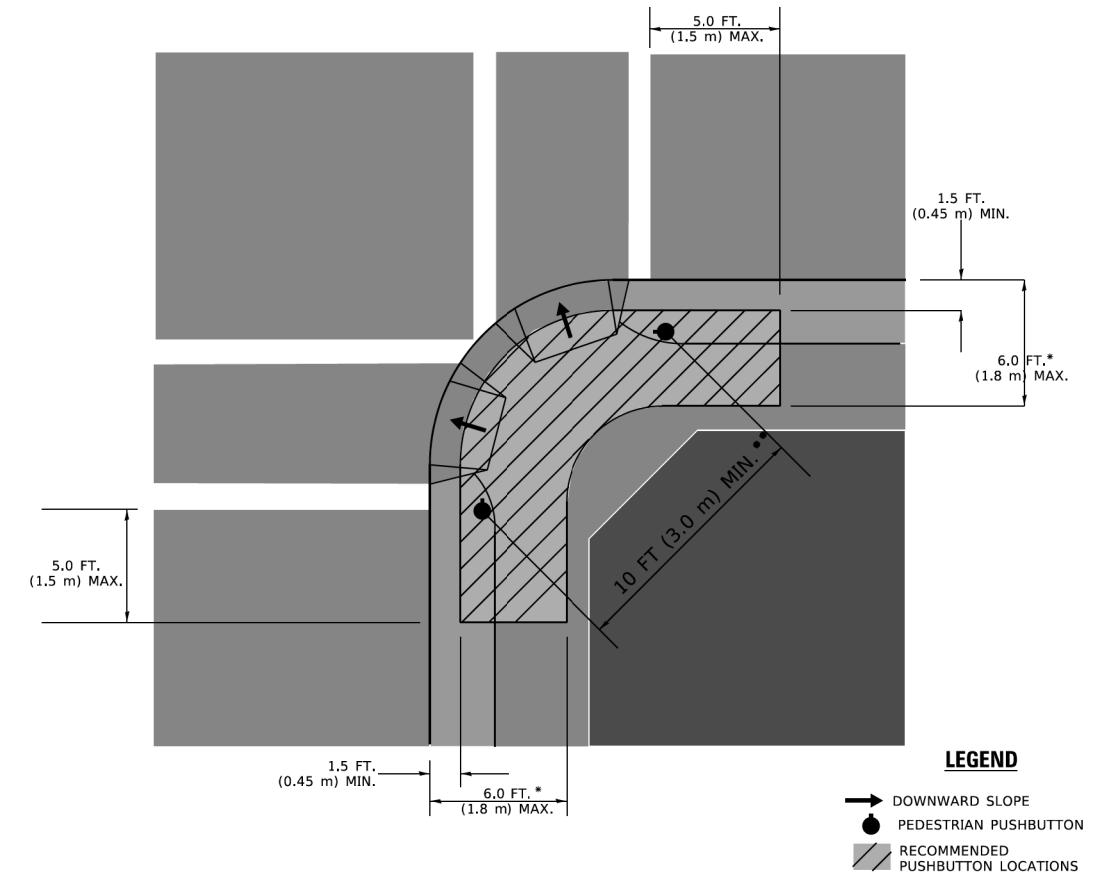
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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.

REFERENCES

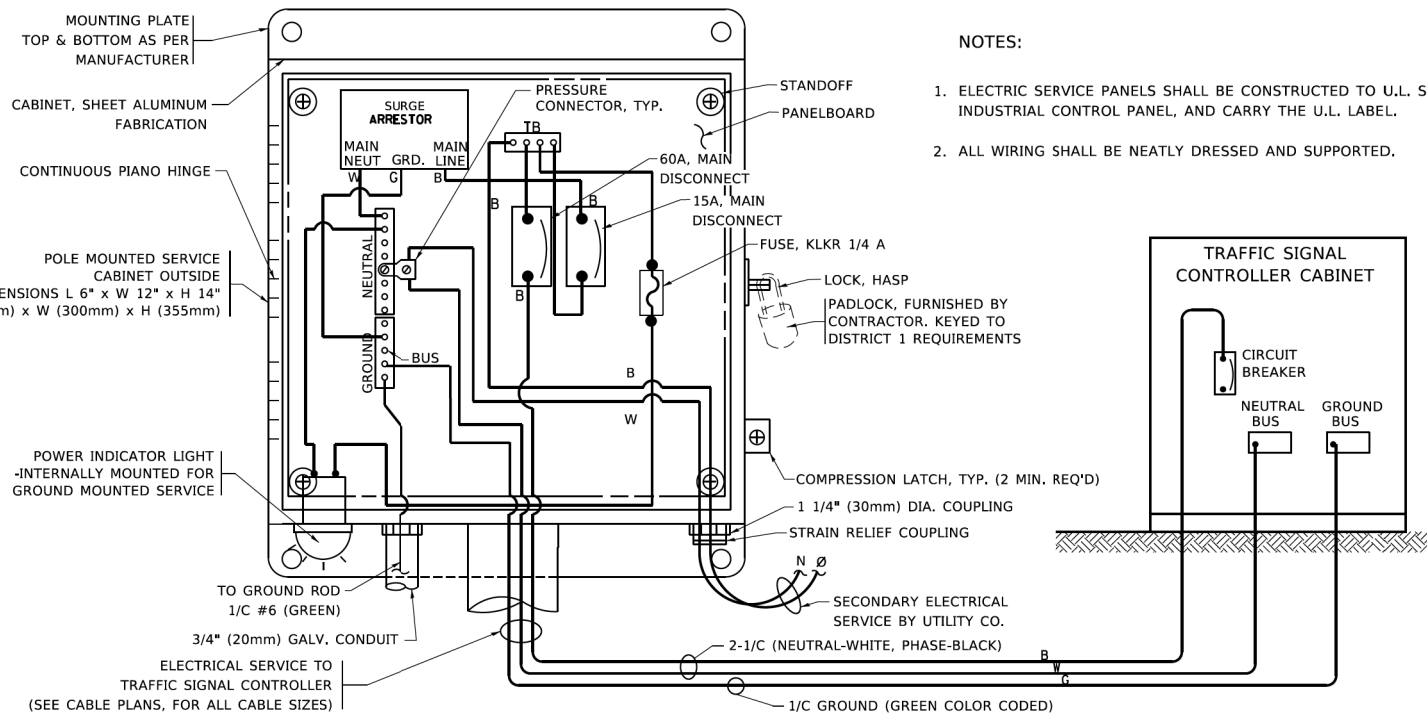
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

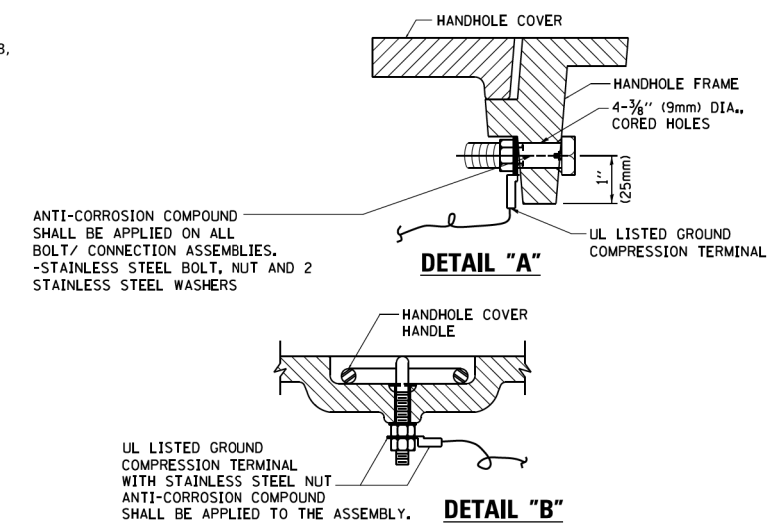
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

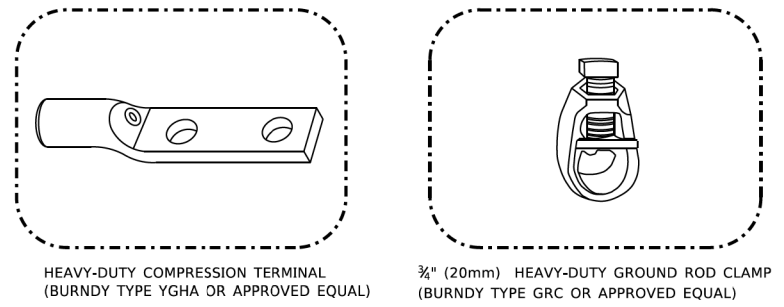
F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00034-00-BT	TS-05	COOK	121	58
CONTRACT NO. 61J18			ILLINOIS FED. AID PROJECT	



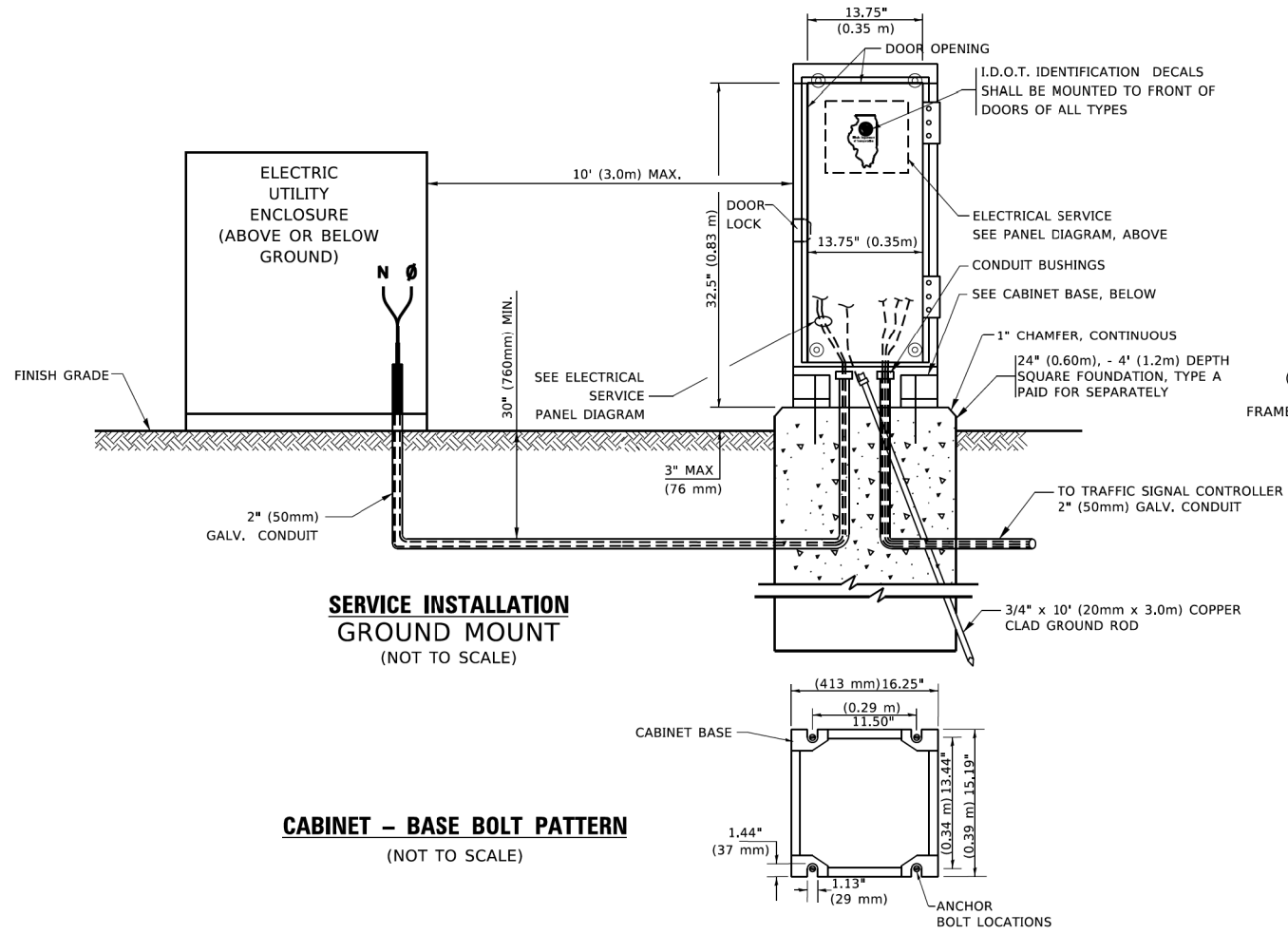
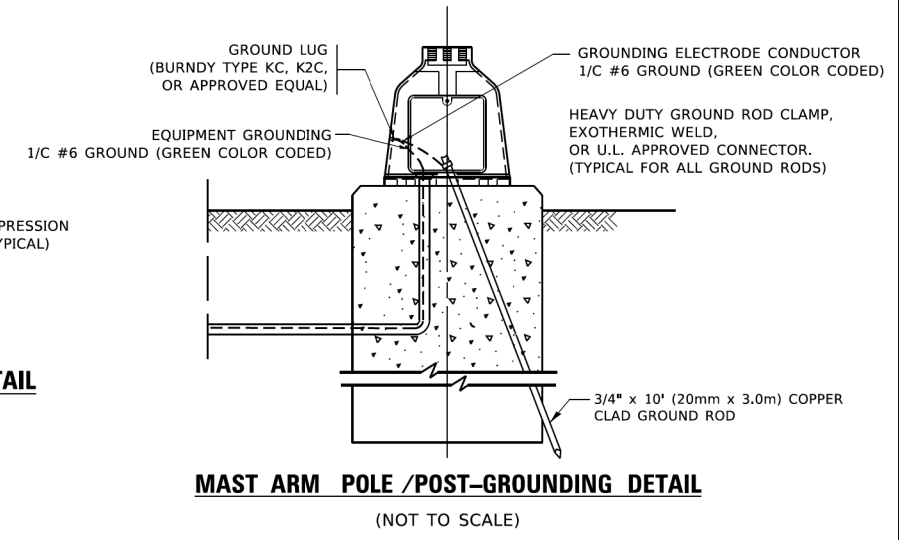
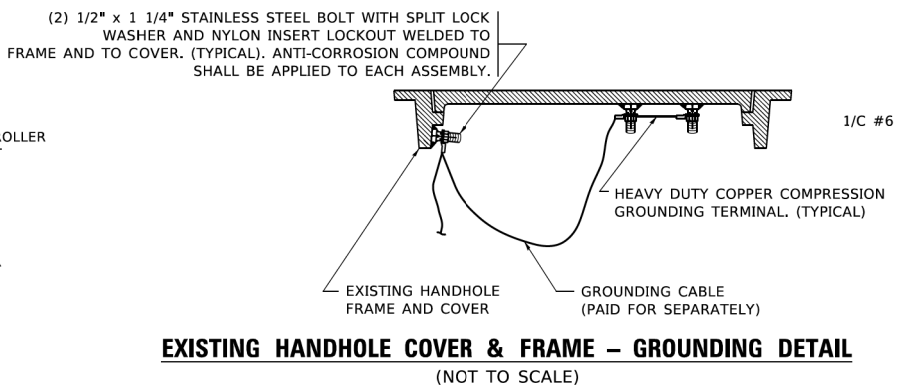
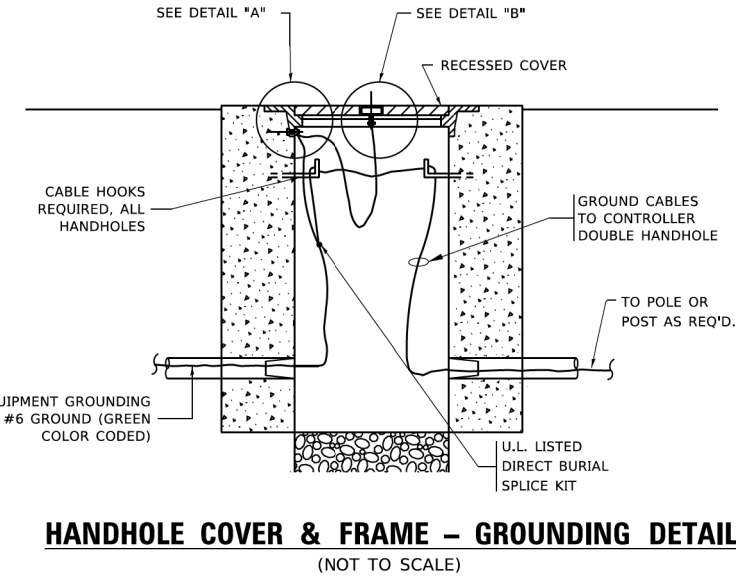
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



- NOTES:**
- GROUNDING SYSTEM**
- 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.
 - 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.
 - ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 - THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- 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.



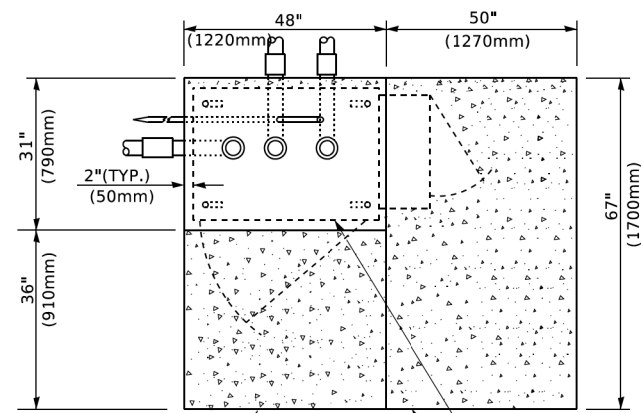
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

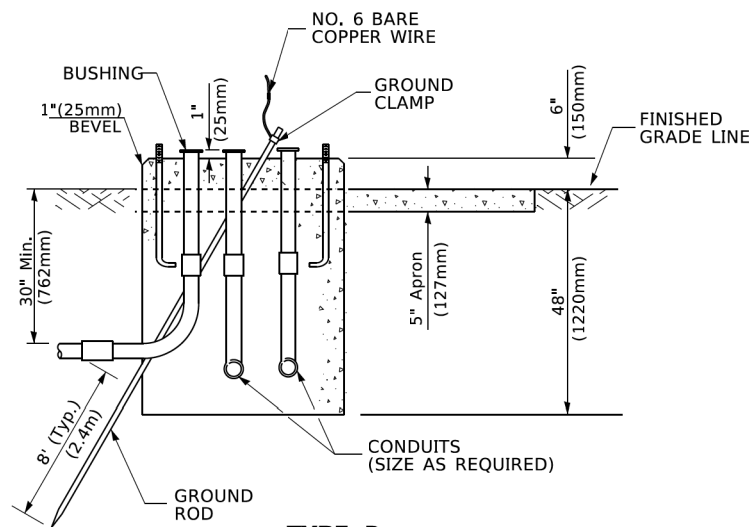
DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 4	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE. #17e	SECTION 17-00034-00-BT	COUNTY COOK	TOTAL SHEETS 121	SHEET NO. 59
TS-05		CONTRACT NO. 61J18		
ILLINOIS FED. AID PROJECT				

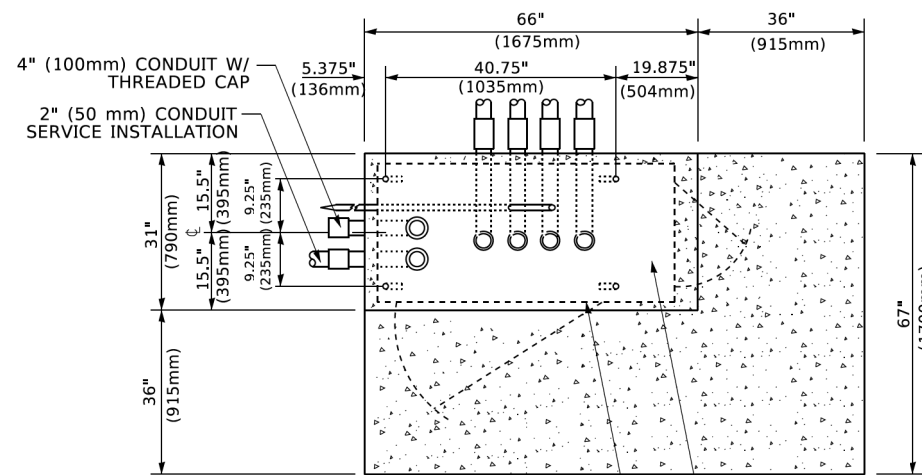
11/1/2022



TOP VIEW



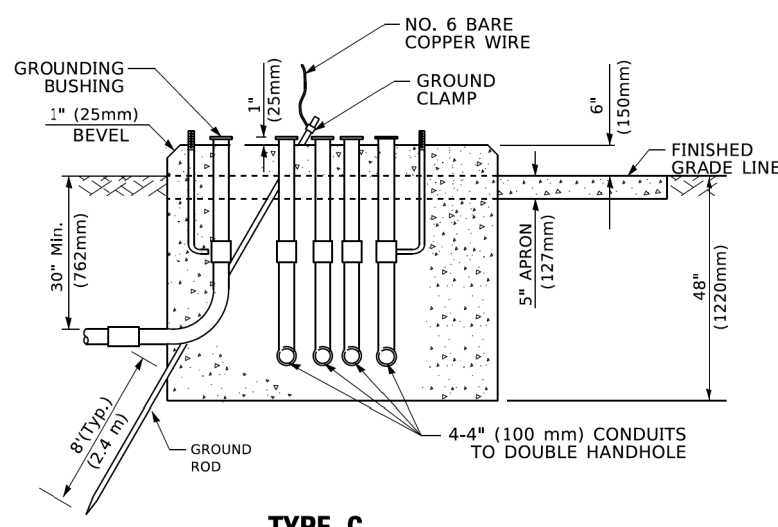
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



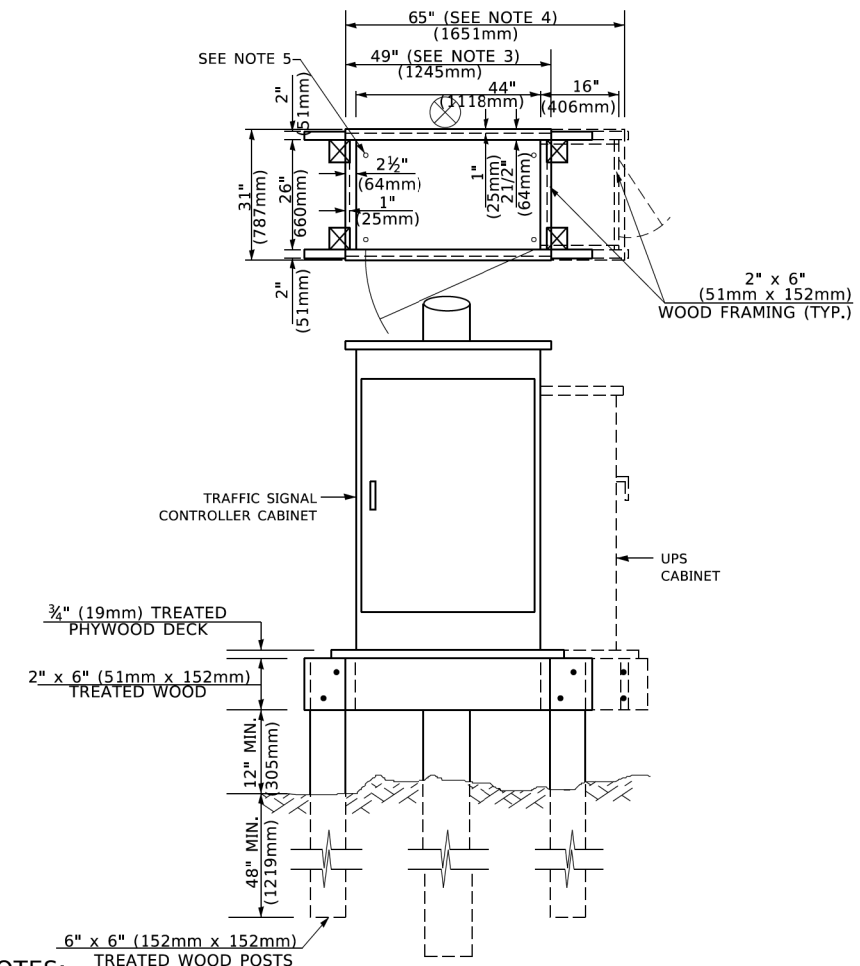
TOP VIEW

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 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 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

11/1/2022

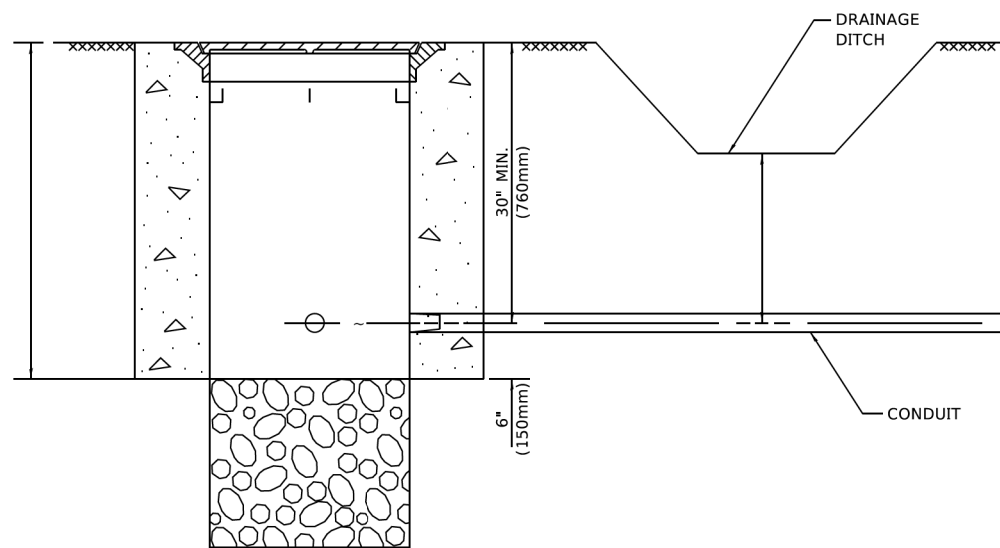
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PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

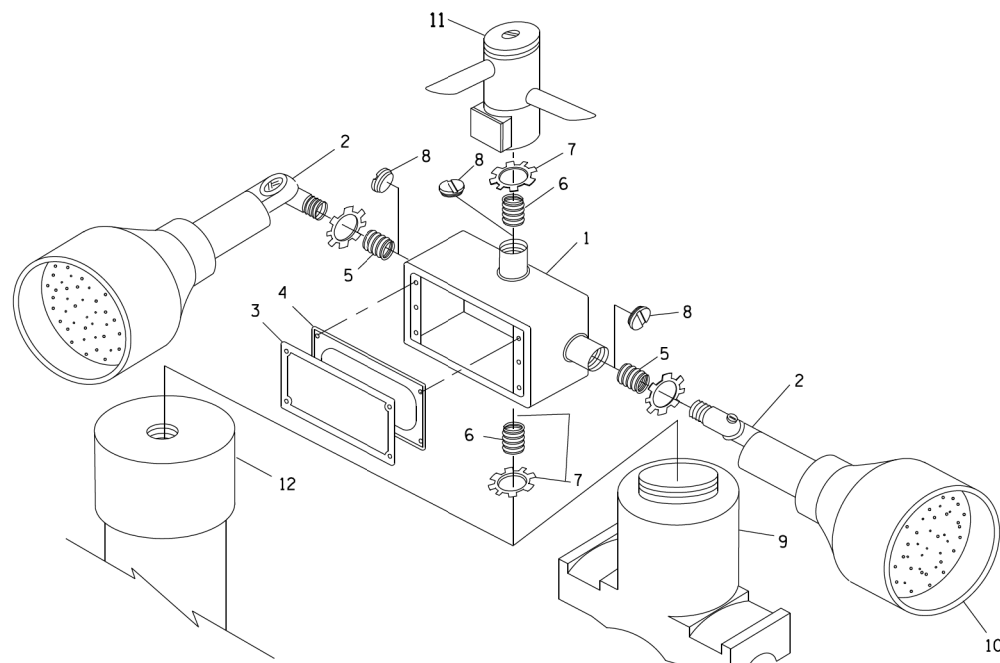
F.A.P. RTE. 17-00034-00-BT	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		COOK	121	60
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J18	



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)

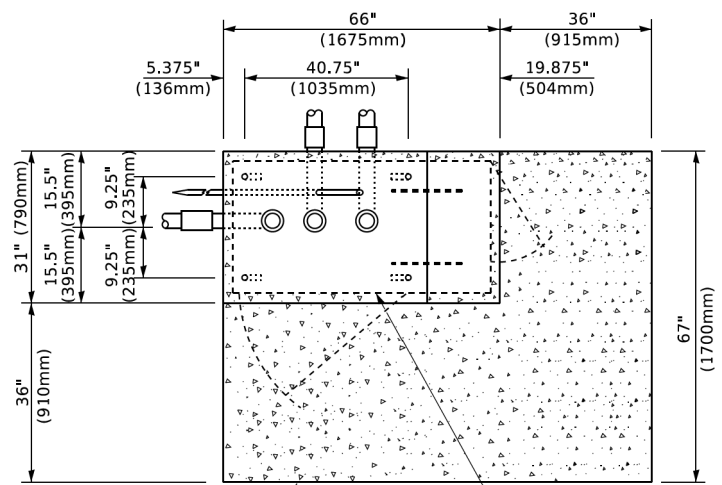


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

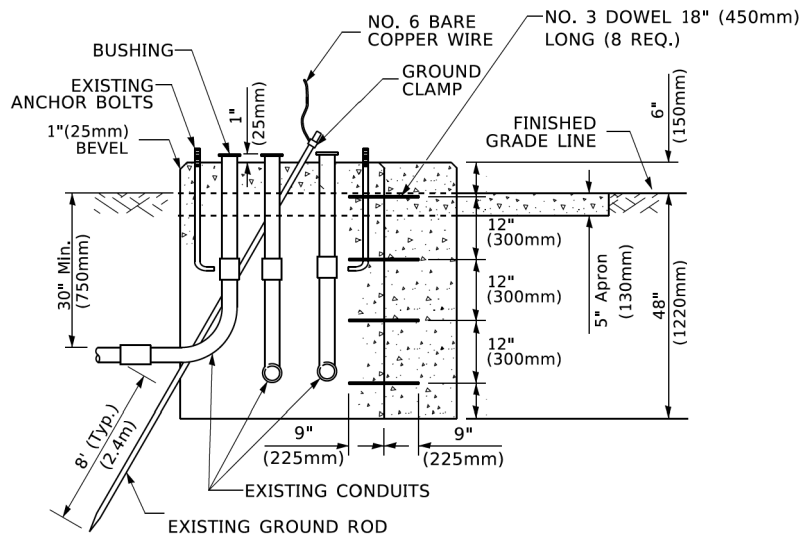
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

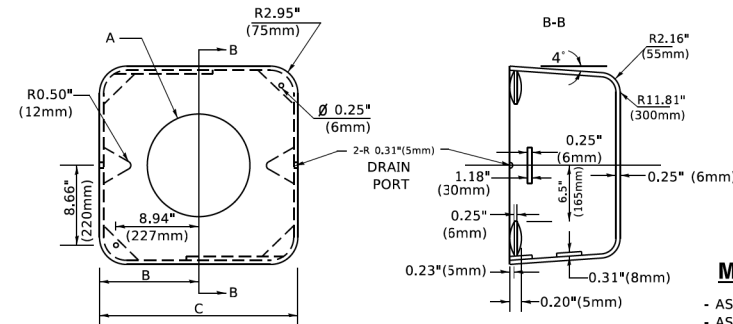
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



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)

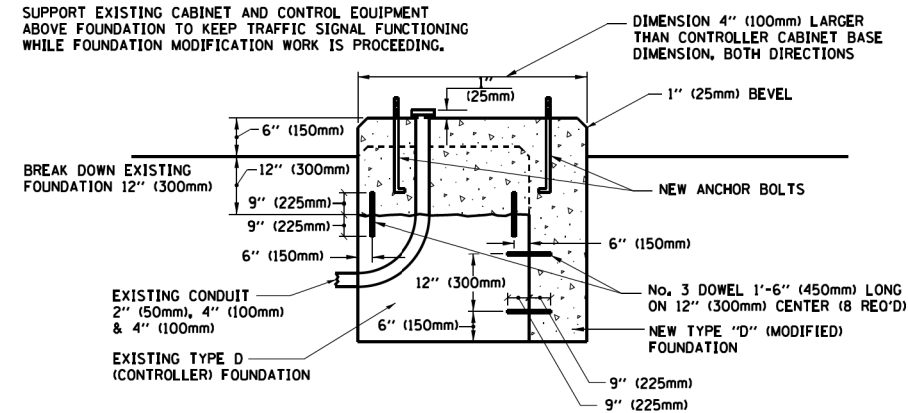
SHROUD

NOTES:

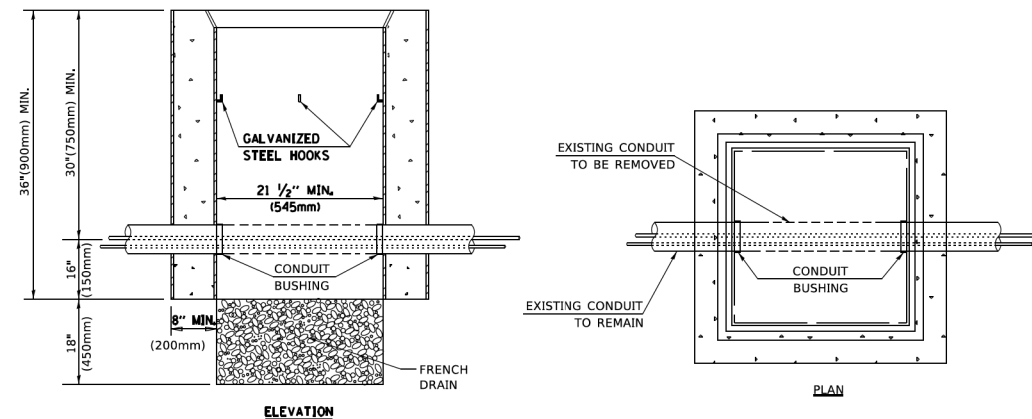
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



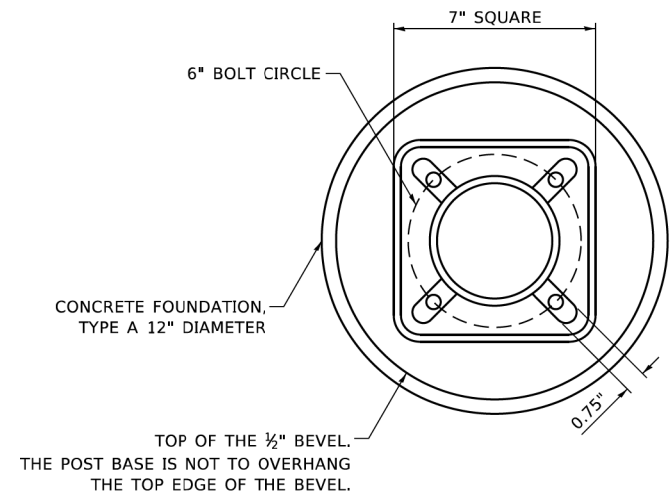
NOTES:

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

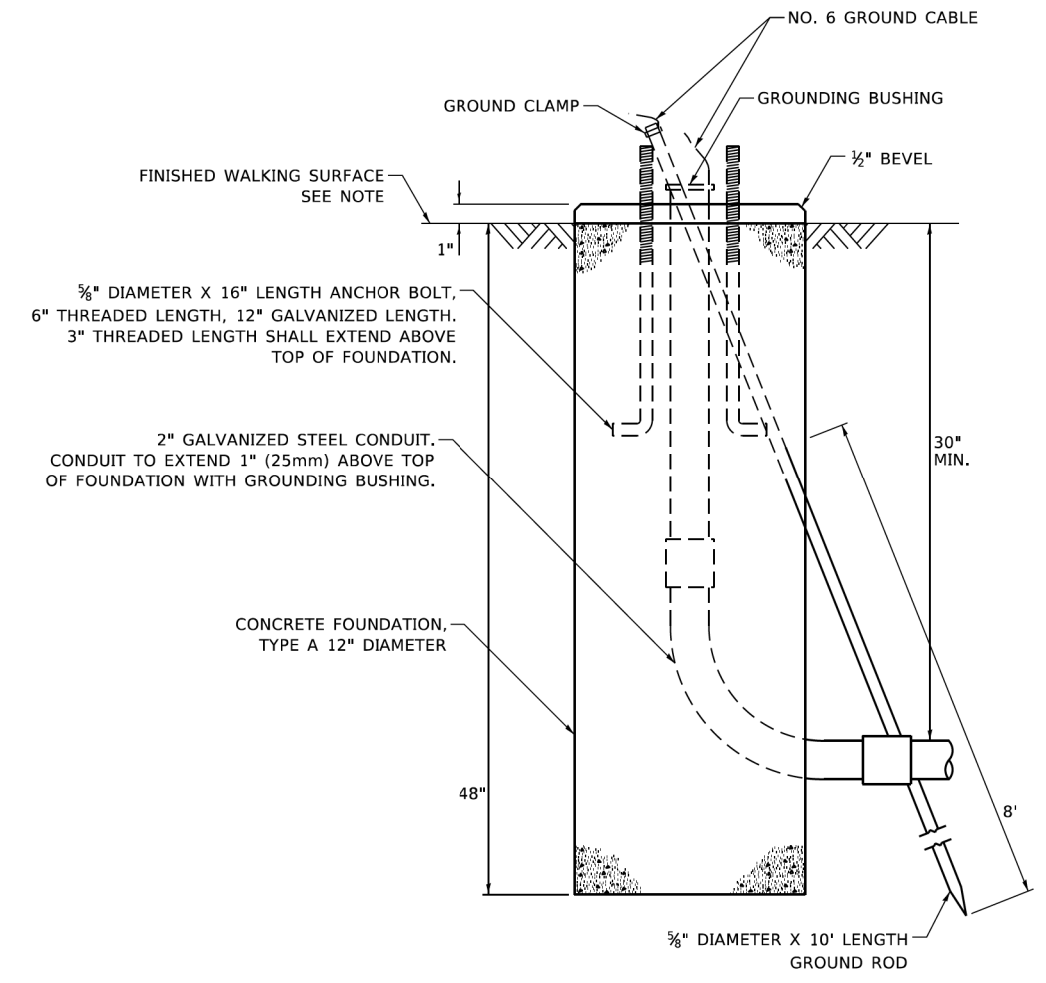
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PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

F.A.P. RTE. #17	SECTION 17-00034-00-BT	COUNTY COOK	TOTAL SHEETS 121	SHEET NO. 61
TS-05		CONTRACT NO. 61J18		
ILLINOIS / FED. AID PROJECT				

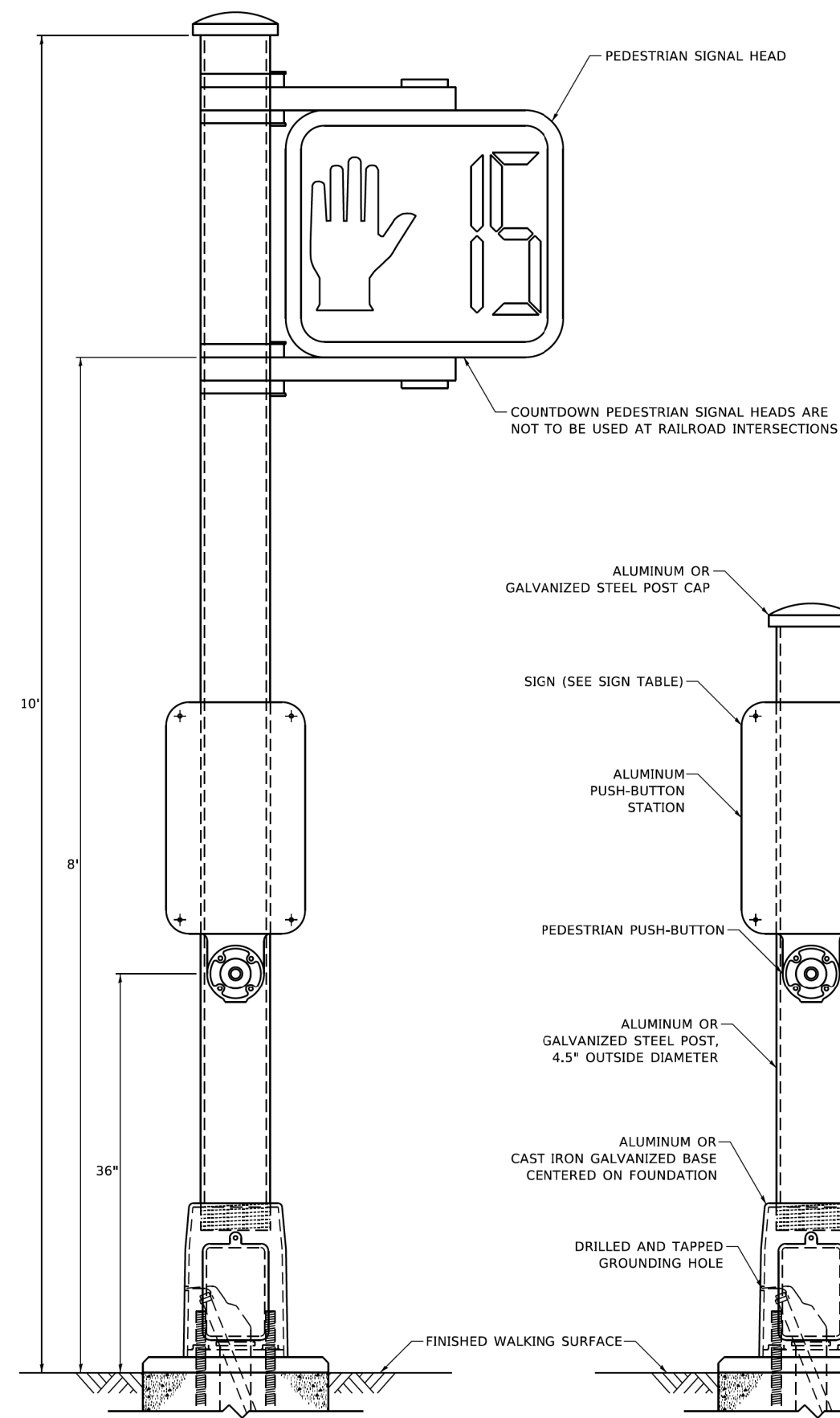


BOLT PATTERN

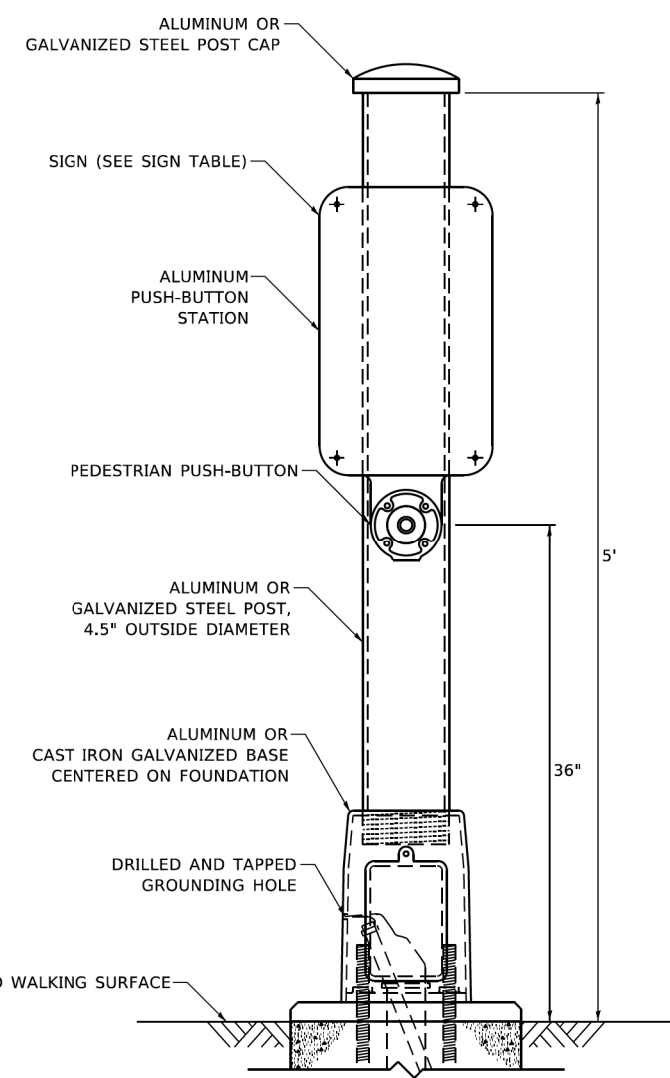
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



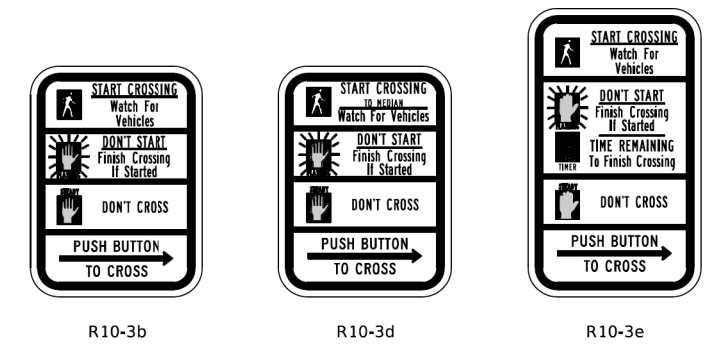
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



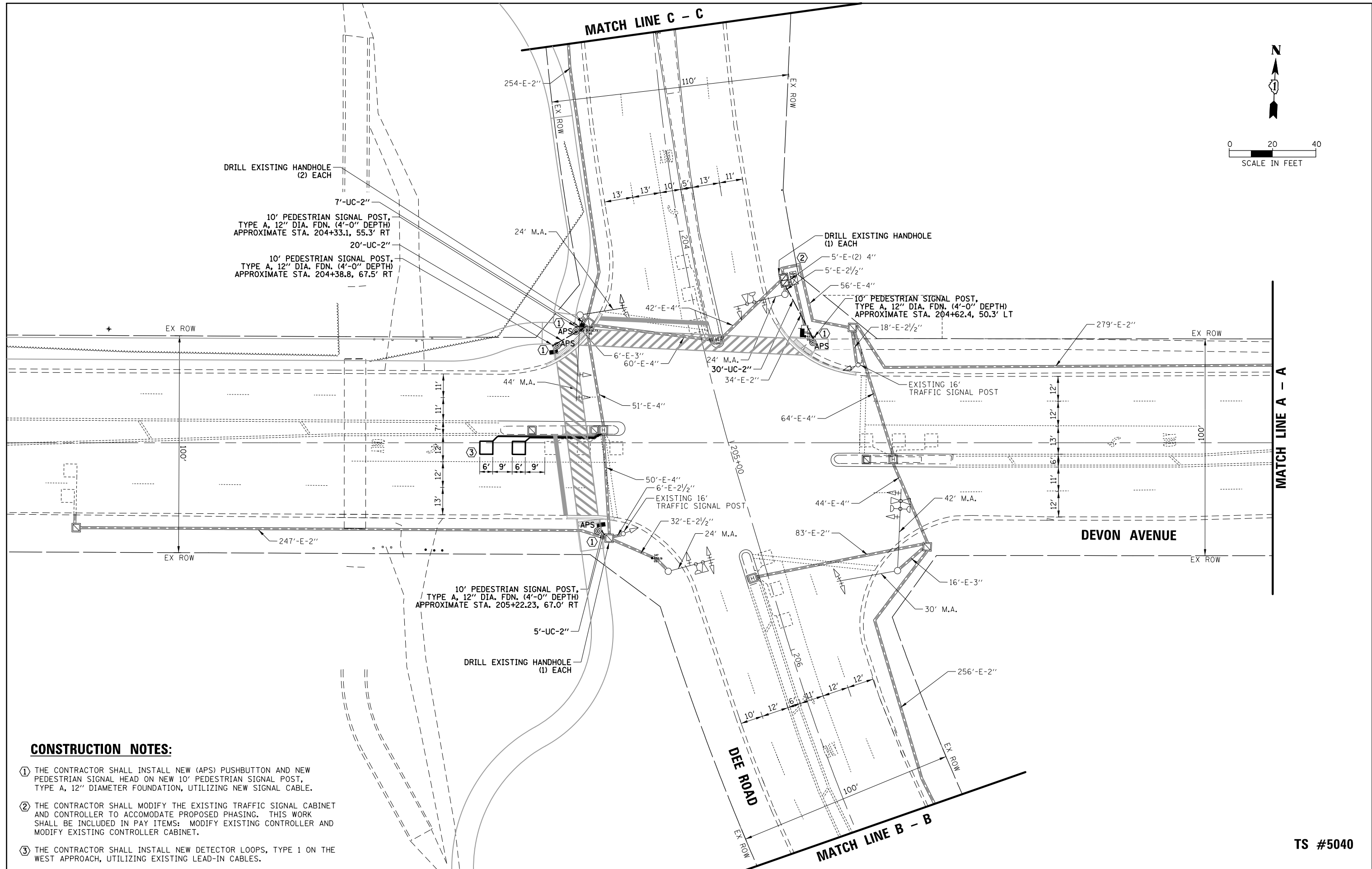
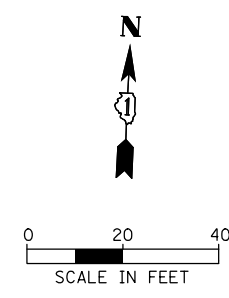
PEDESTRIAN SIGNAL POST, 5 FT.



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.

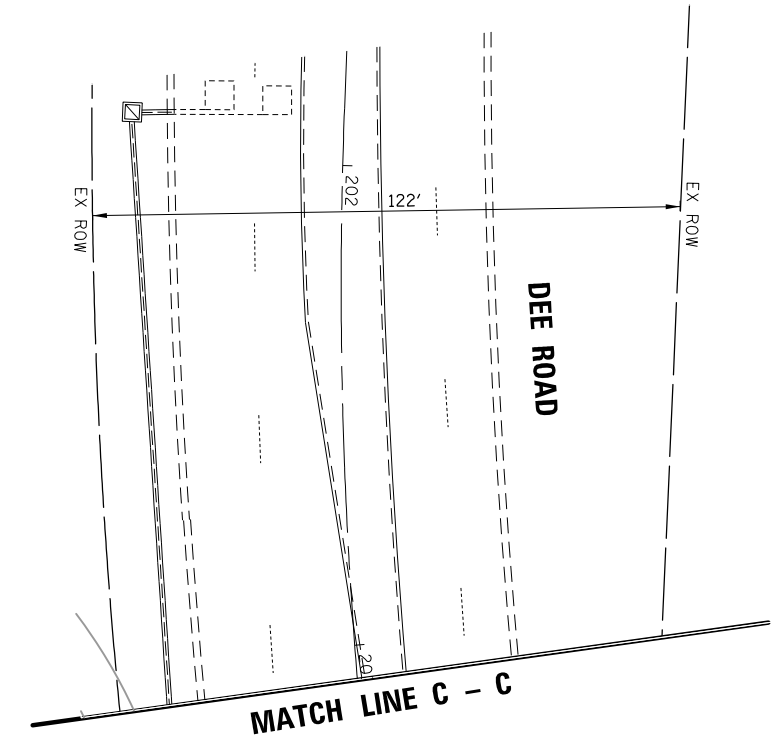
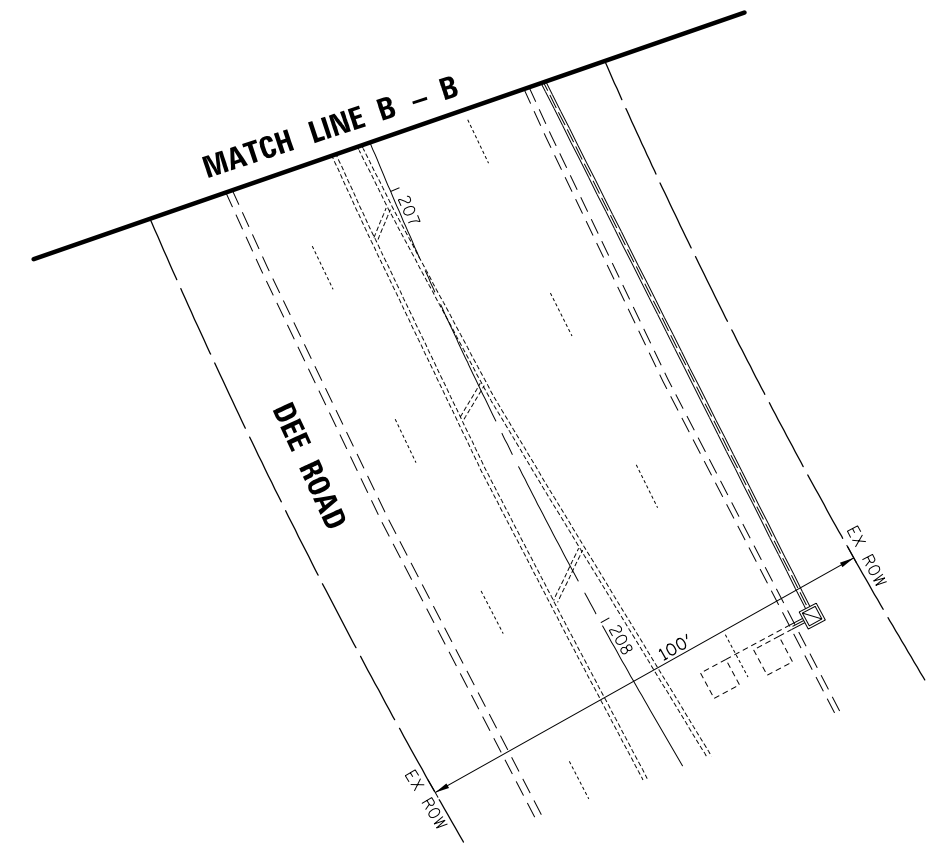
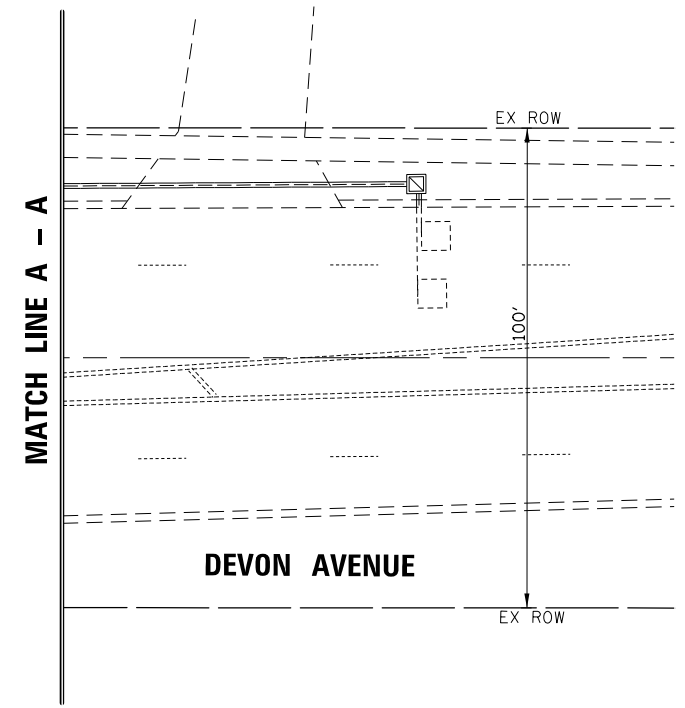
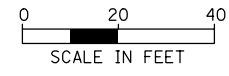


CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL NEW (APS) PUSHBUTTON AND NEW PEDESTRIAN SIGNAL HEAD ON NEW 10' PEDESTRIAN SIGNAL POST, TYPE A, 12" DIAMETER FOUNDATION, UTILIZING NEW SIGNAL CABLE.
- ② THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER TO ACCOMMODATE PROPOSED PHASING. THIS WORK SHALL BE INCLUDED IN PAY ITEMS: MODIFY EXISTING CONTROLLER AND MODIFY EXISTING CONTROLLER CABINET.
- ③ THE CONTRACTOR SHALL INSTALL NEW DETECTOR LOOPS, TYPE 1 ON THE WEST APPROACH, UTILIZING EXISTING LEAD-IN CABLES.

TS #5040

FILE NAME = N:\Park Ridge\220091\Traffic\TS9_DEE-DEVON_MODI.dgn	USER NAME = mthomas	DESIGNED - PJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 2) DEVON AVENUE AND DEE ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default	PLOT DATE = 11/1/2022	DRAWN - PJA	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	17-00034-01-BT	COOK	121	63
		CHECKED - GMZ	REVISED -										CONTRACT NO. 61J18		
		DATE -	REVISED -										ILLINOIS FED. AID PROJECT		



TS #5040

FILE NAME = N:\Park Ridge\220091\Traffic\TS10.DEE-08	USER NAME = mthomas VON.MOD2.dgn	DESIGNED - PJA	REVISED -
Default	PLOT SCALE = 48"	DRAWN - PJA	REVISED -
	PLOT DATE = 11/1/2022	CHECKED - GMZ	REVISED -
		DATE -	REVISED -

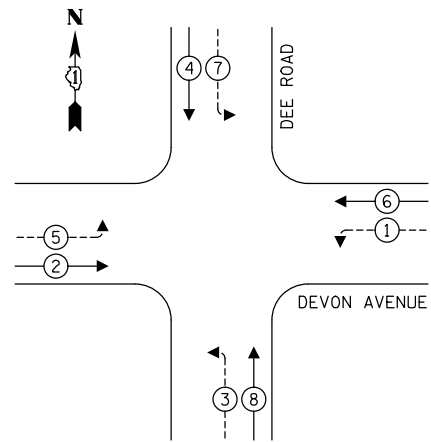
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
(SHEET 2 OF 2)
DEVON AVENUE AND DEE ROAD**

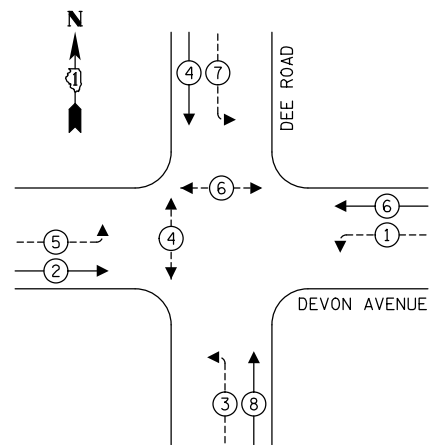
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	64
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



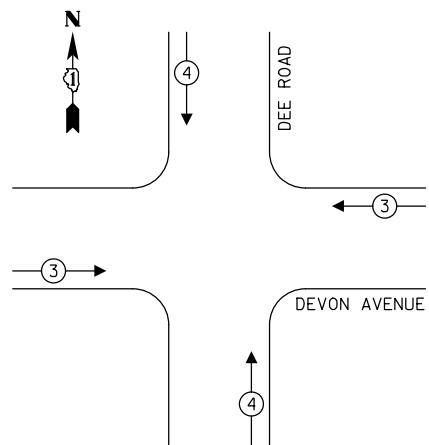
LEGEND:

- ⊙ PROTECTED PHASE
- ⊙- - - PROTECTED/PERMITTED PHASE
- ⊙- - - PEDESTRIAN PHASE
- OL OVERLAP

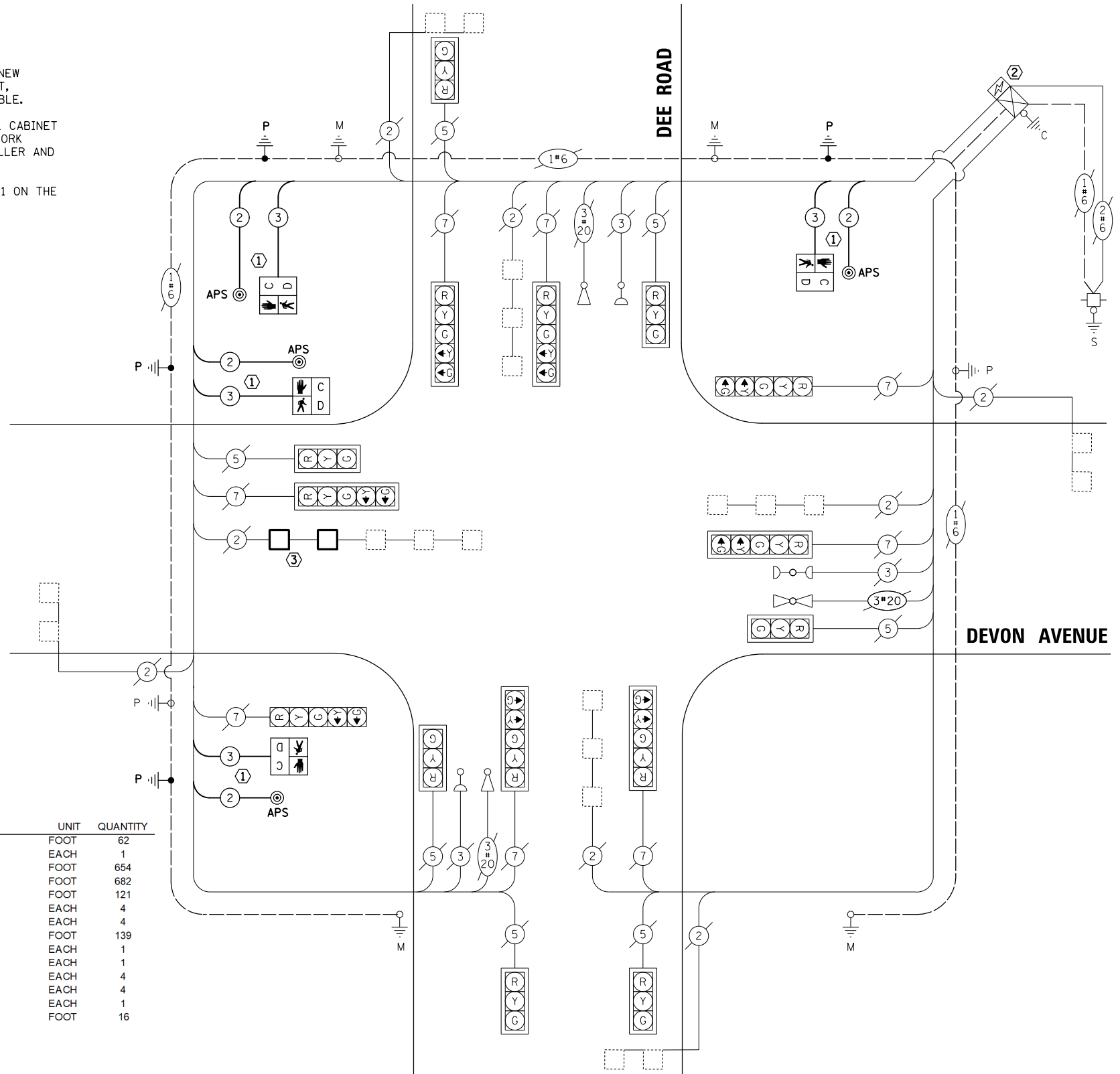
CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL NEW (APS) PUSHBUTTON AND NEW PEDESTRIAN SIGNAL HEAD ON NEW 10' PEDESTRIAN SIGNAL POST, TYPE A, 12" DIAMETER FOUNDATION, UTILIZING NEW SIGNAL CABLE.
- ② THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER TO ACCOMMODATE PROPOSED PHASING. THIS WORK SHALL BE INCLUDED IN PAY ITEMS: MODIFY EXISTING CONTROLLER AND MODIFY EXISTING CONTROLLER CABINET.
- ③ THE CONTRACTOR SHALL INSTALL NEW DETECTOR LOOPS, TYPE 1 ON THE WEST APPROACH, UTILIZING EXISTING LEAD-IN CABLES.

EXISTING /PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	62
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	654
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	682
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	121
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	139
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
CONCRETE FOUNDATION, TYPE A 12 INCH DIAMETER	FOOT	16

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
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 =				399.5

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

ENERGY SUPPLY: CONTACT: TERRI BLECK
PHONE: 847-816-5239
COMPANY: COMED
ACCOUNT NUMBER: --

FILE NAME =	USER NAME = mthomas
N:\Park Ridge\220091\Traffic\TS11.DEE-DEVON.CAB.dgn	
PLOT SCALE = 48"	
PLOT DATE = 11/1/2022	

DESIGNED - PJA	REVISED -
DRAWN - PJA	REVISED -
CHECKED - GMZ	REVISED -
DATE -	REVISED -

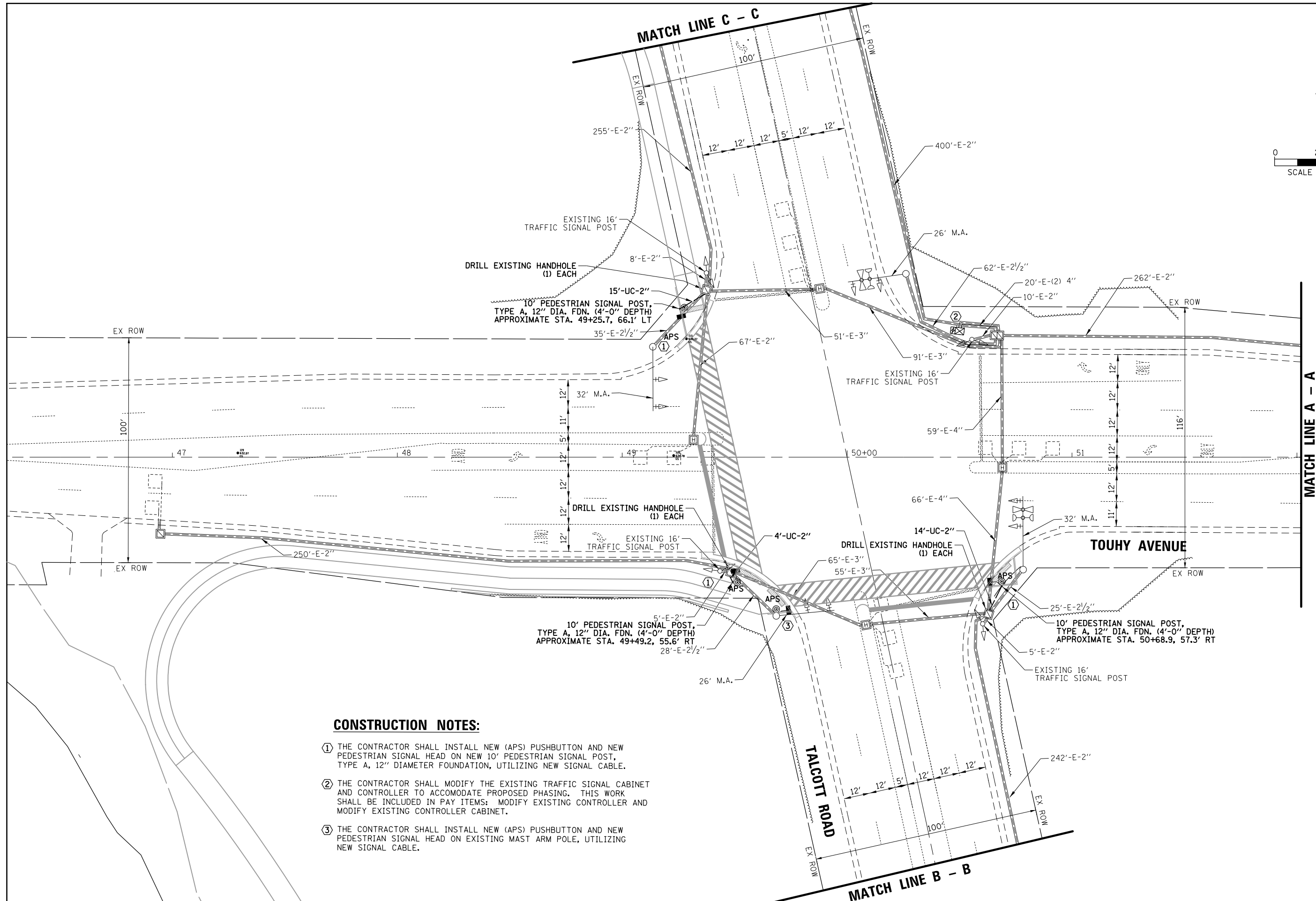
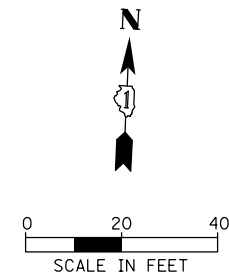
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
DEVON AVE AND DEE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	65
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

TS #5040

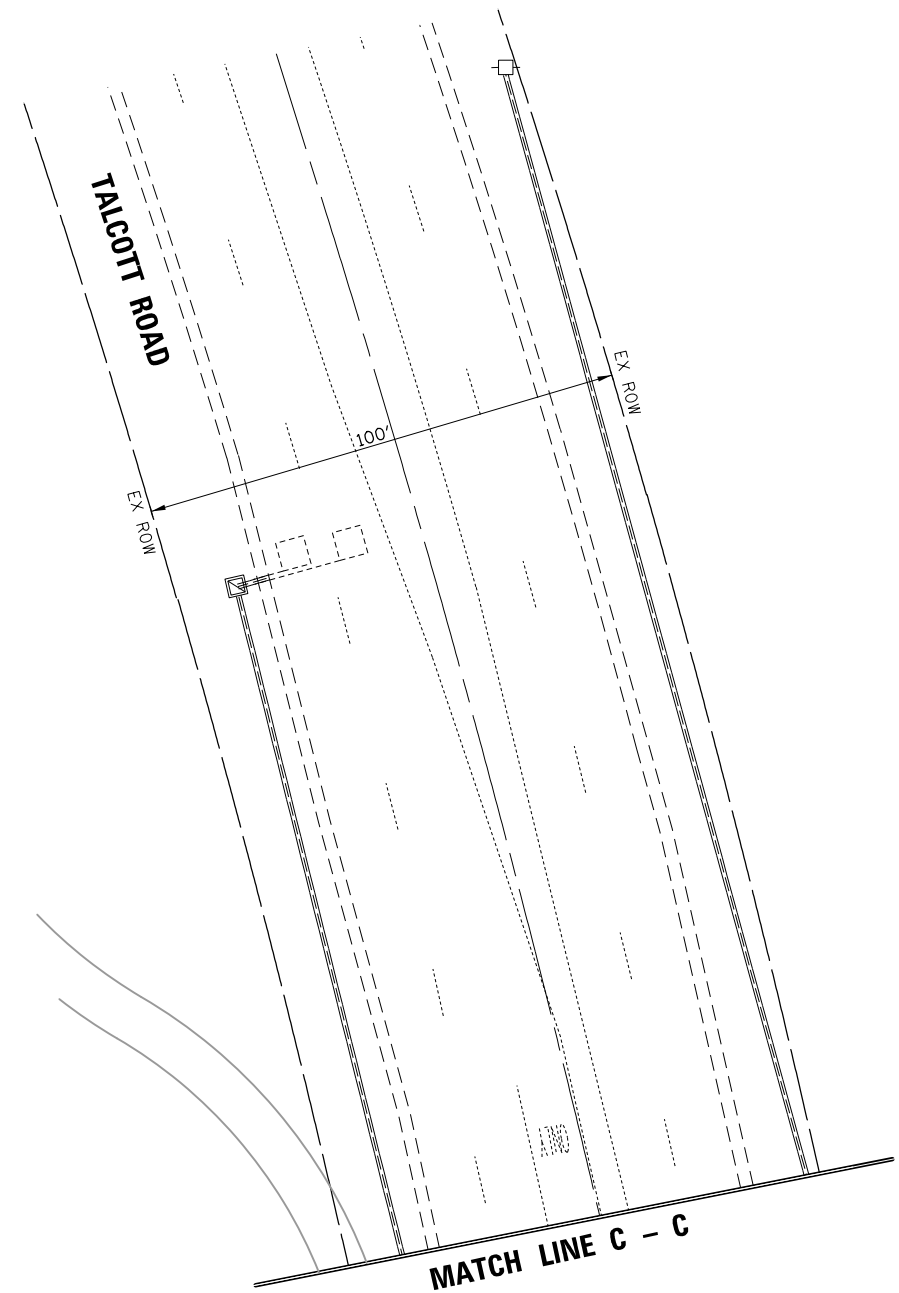
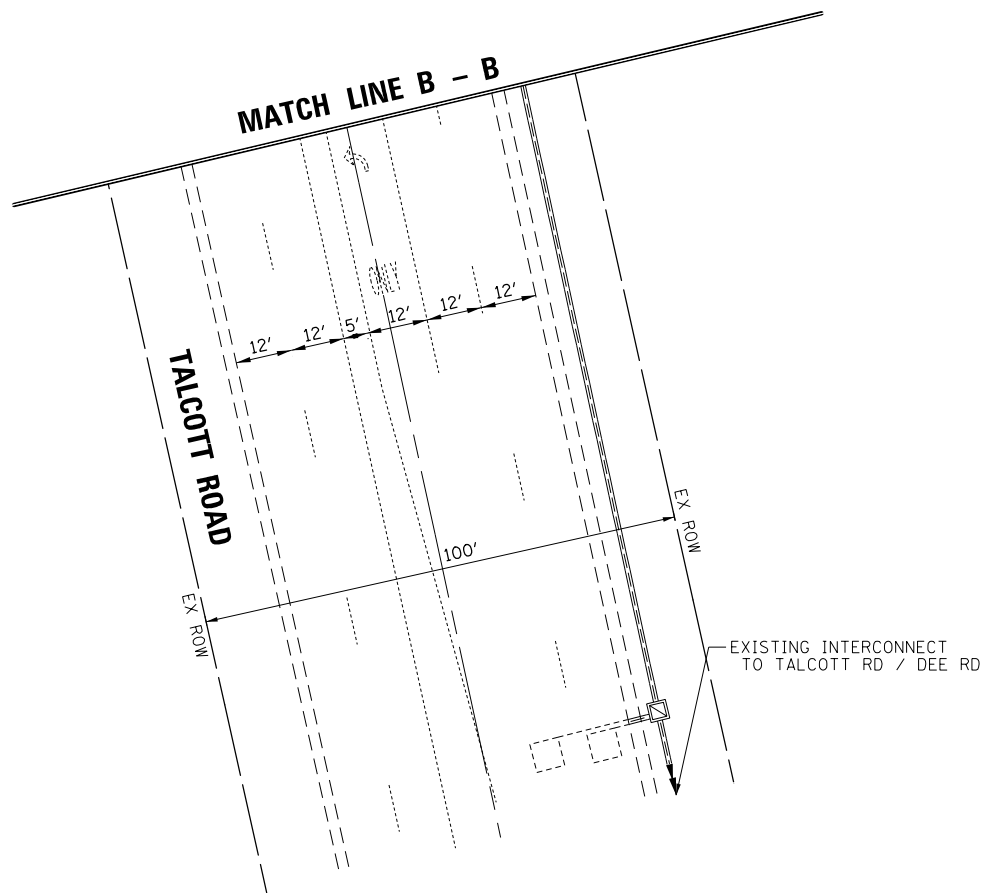
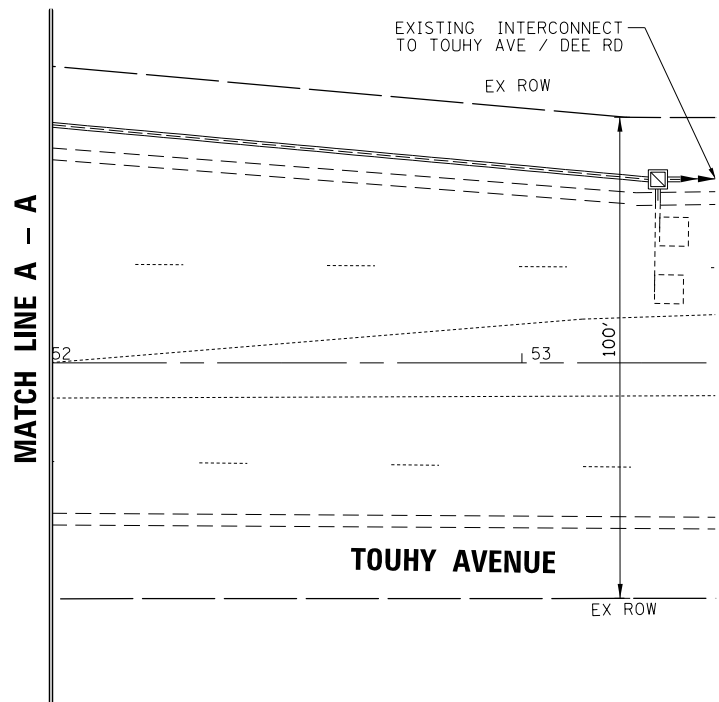
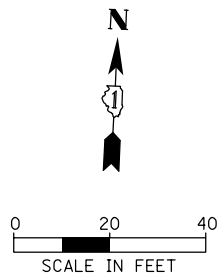


CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL NEW (APS) PUSHBUTTON AND NEW PEDESTRIAN SIGNAL HEAD ON NEW 10' PEDESTRIAN SIGNAL POST, TYPE A, 12" DIAMETER FOUNDATION, UTILIZING NEW SIGNAL CABLE.
- ② THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER TO ACCOMMODATE PROPOSED PHASING. THIS WORK SHALL BE INCLUDED IN PAY ITEMS: MODIFY EXISTING CONTROLLER AND MODIFY EXISTING CONTROLLER CABINET.
- ③ THE CONTRACTOR SHALL INSTALL NEW (APS) PUSHBUTTON AND NEW PEDESTRIAN SIGNAL HEAD ON EXISTING MAST ARM POLE, UTILIZING NEW SIGNAL CABLE.

**TS #5815
EAGLE 1F**

FILE NAME = N:\Park Ridge\220091\Traffic\TS14.TOUHY	USER NAME = mthomas TALCOTT_MOD1.dgn	DESIGNED - PJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 2) TOUHY AVENUE AND TALCOTT ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 48"	DRAWN - PJA	REVISED -			17-00034-01-BT	COOK	121	66		
	PLOT DATE = 11/1/2022	CHECKED - GMZ	REVISED -			CONTRACT NO. 61J18					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



**TS #5815
EAGLE 1F**

FILE NAME = N:\Park Ridge\220091\Traffic\TS15.TOUHY	USER NAME = mthomas	DESIGNED - PJA	REVISED -
	TALCOTT_MOD2.dgn	DRAWN - PJA	REVISED -
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Default	PLOT DATE = 11/1/2022	DATE -	REVISED -

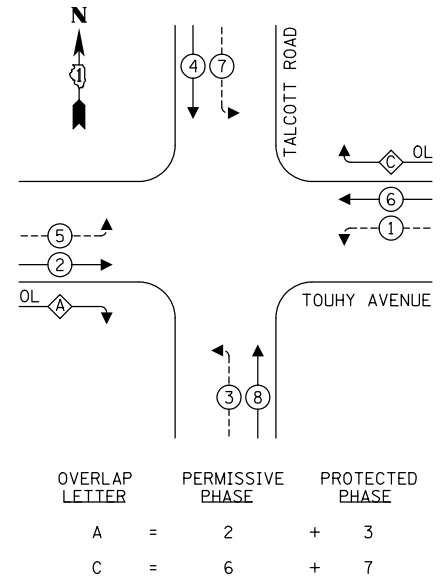
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
(SHEET 2 OF 2)
TOUHY AVENUE AND TALCOTT ROAD**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	67
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



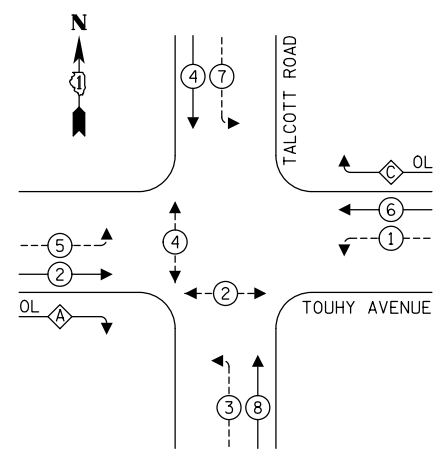
LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

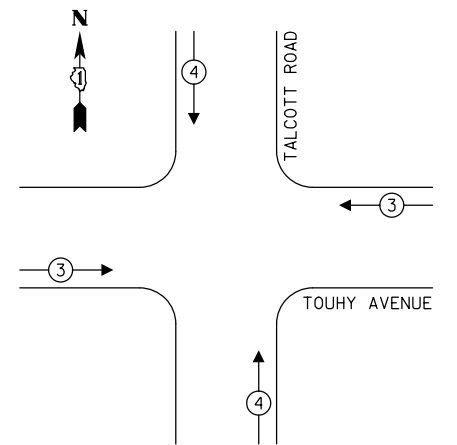
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	33
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	743
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	764
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	72
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
CONCRETE FOUNDATION, TYPE A 12 INCH DIAMETER	FOOT	12

PROPOSED CONTROLLER SEQUENCE



EXISTING / PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

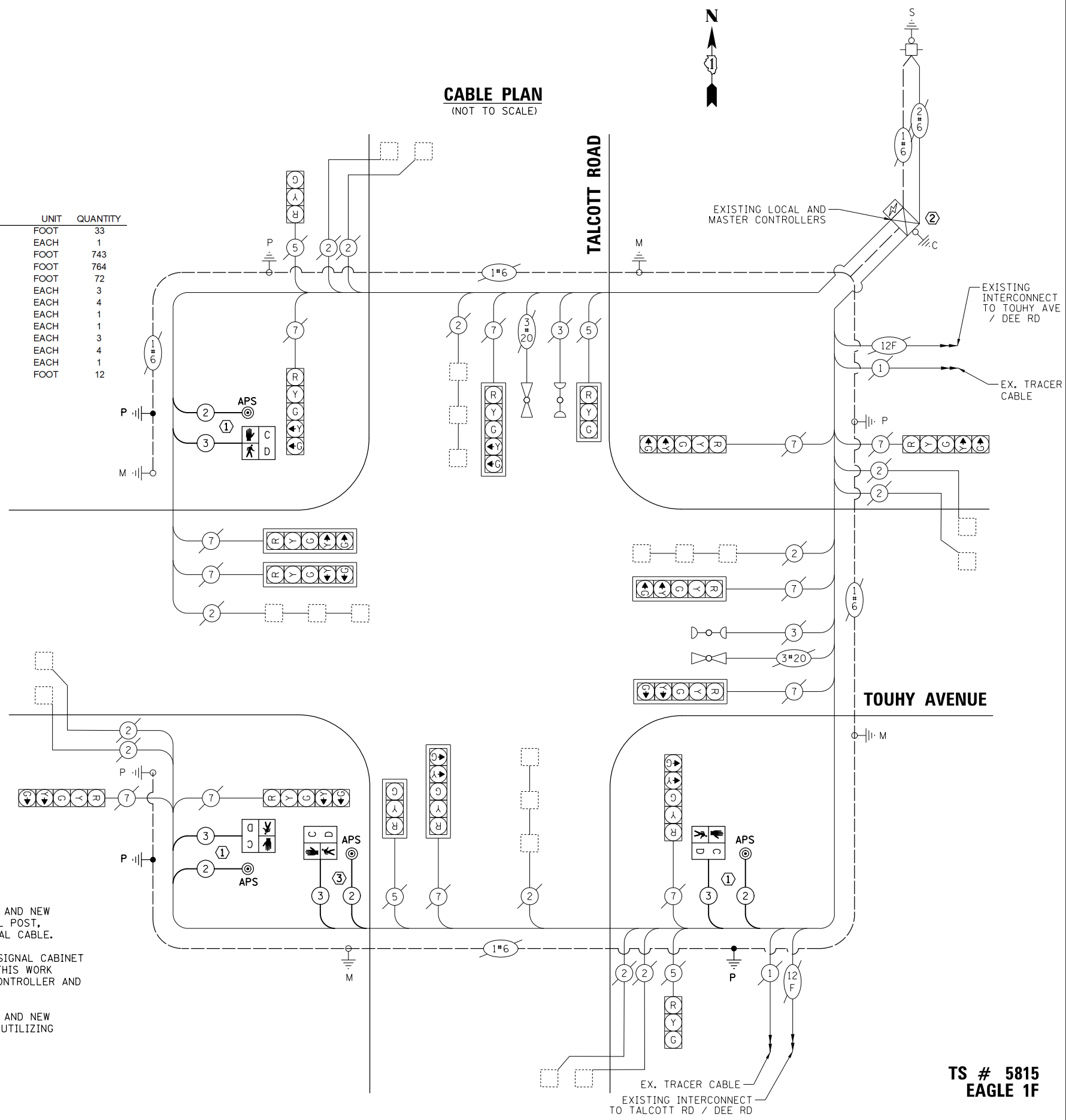
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				519.4

ENERGY COSTS TO:
 CITY OF PARK RIDGE
 505 BUTLER PLACE
 PARK RIDGE, IL 60068
 ENERGY SUPPLY: CONTACT: TERRI BLECK
 PHONE: 847-816-5239
 COMPANY: COMED
 ACCOUNT NUMBER: --

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL NEW (APS) PUSHBUTTON AND NEW PEDESTRIAN SIGNAL HEAD ON NEW 10' PEDESTRIAN SIGNAL POST, TYPE A, 12" DIAMETER FOUNDATION, UTILIZING NEW SIGNAL CABLE.
- ② THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER TO ACCOMMODATE PROPOSED PHASING. THIS WORK SHALL BE INCLUDED IN PAY ITEMS; MODIFY EXISTING CONTROLLER AND MODIFY EXISTING CONTROLLER CABINET.
- ③ THE CONTRACTOR SHALL INSTALL NEW (APS) PUSHBUTTON AND NEW PEDESTRIAN SIGNAL HEAD ON EXISTING MAST ARM POLE, UTILIZING NEW SIGNAL CABLE.

CABLE PLAN
(NOT TO SCALE)



FILE NAME =	USER NAME = mthomas
N:\Park Ridge\220091\Traffic\TS16.TOUHY	TALCOTT_CAB.dgn
	PLOT SCALE = 48"
	PLOT DATE = 11/1/2022

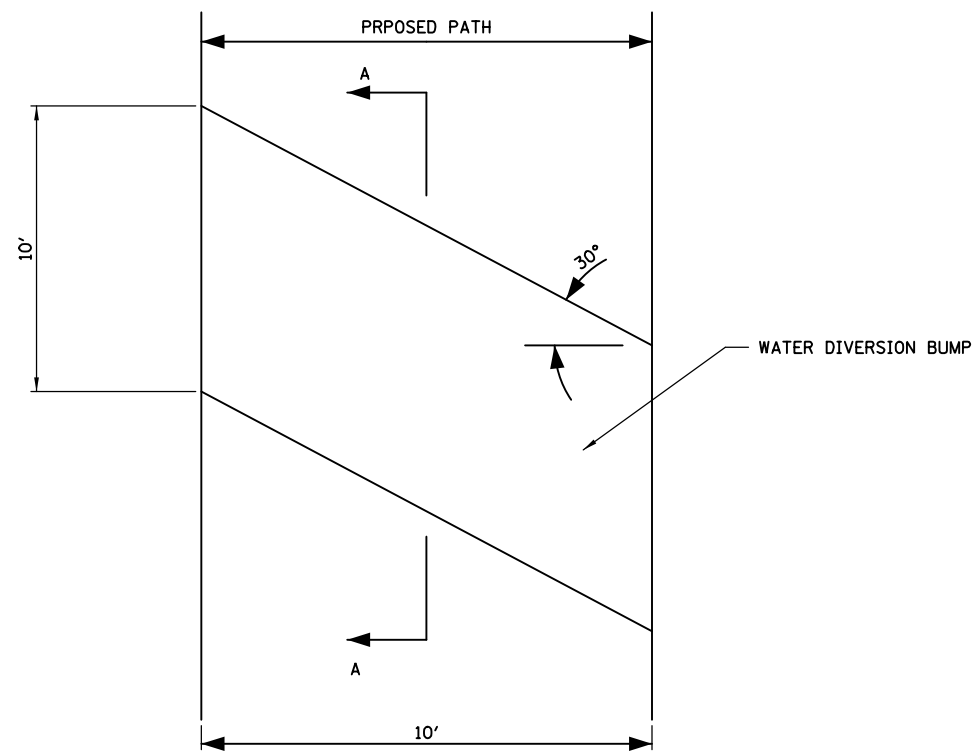
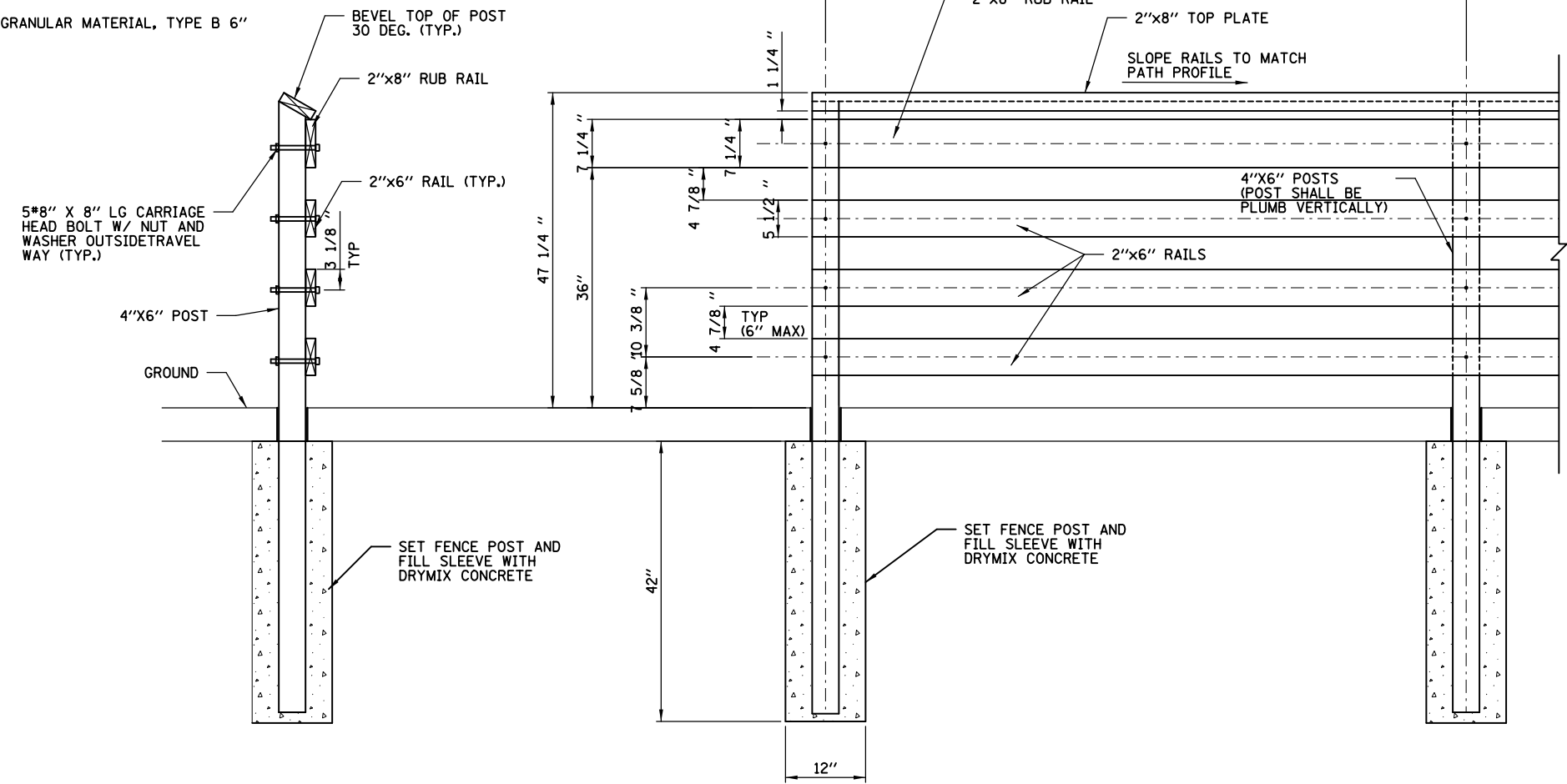
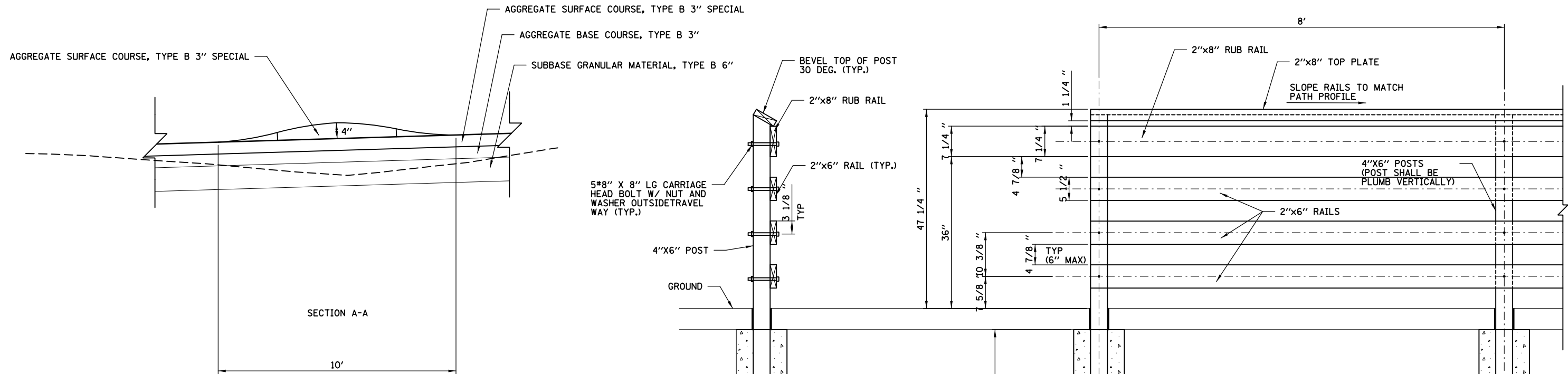
DESIGNED - PJA	REVISED -
DRAWN - PJA	REVISED -
CHECKED - GMZ	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

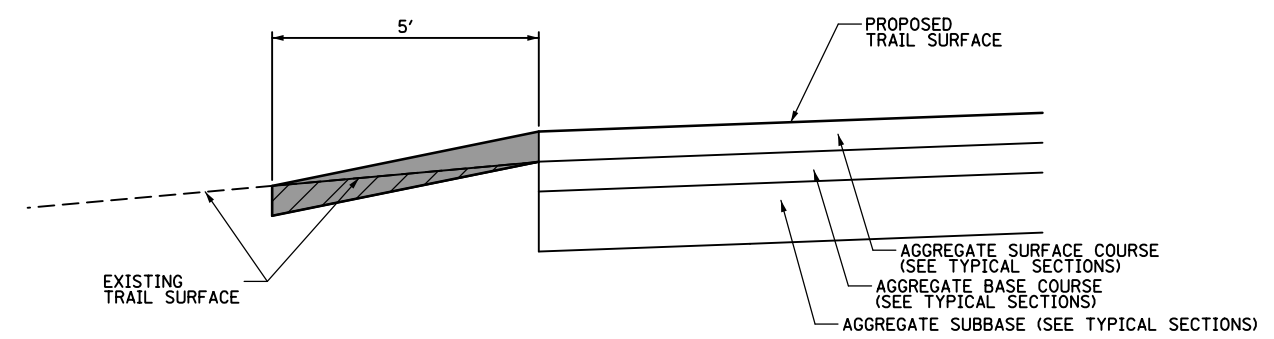
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
TOUHY AVENUE AND TALCOTT ROAD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-01-BT	COOK	121	68
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

TS # 5815
EAGLE 1F



**WATER DIVERSION
DETAIL**



AGGREGATE SURFACE COURSE, TYPE B 3" (SPECIAL) (XX008310)
 EARTH EXCAVATION (20200100)

**TRANSITION
AT ENDS OF TRAIL**

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
N:\Park_Ridge\220091\Civil\DET_220091.01.SHT		DRAWN -	REVISED -
	PLOT SCALE = 2'	CHECKED -	REVISED -
Default	PLOT DATE = 11/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

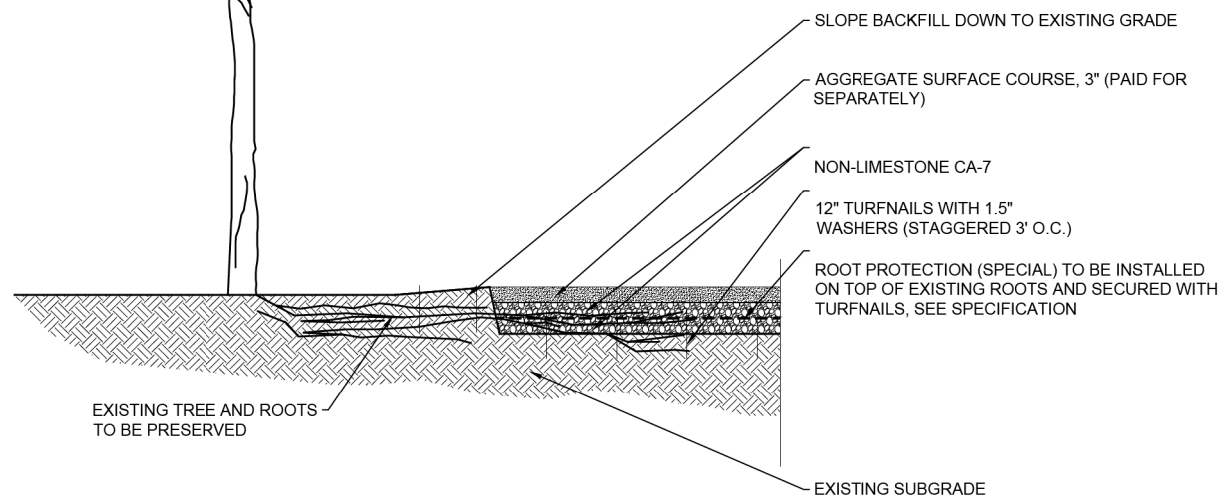
**DES PLAINES RIVER TRAIL SEGMENT 1
CONSTRUCTION DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	69
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

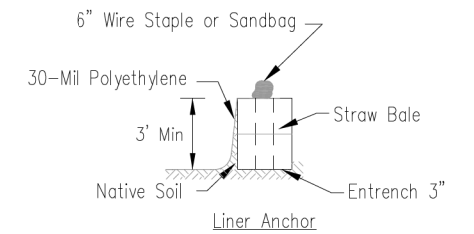
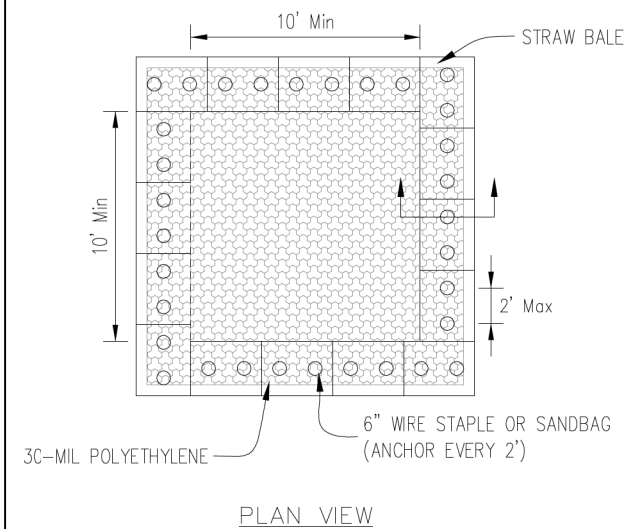


- NOTES:**
1. ALL ROOT PRUNING (SPECIAL) WORK MUST BE DONE UNDER THE DIRECTION OF A CERTIFIED ARBORIST, AND IN THE PRESENCE OF THE LANDSCAPE ARCHITECT. WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WHOSE WORK HAS RESULTED IN SUCCESSFUL ROOT PROTECTION INSTALLATIONS. DOCUMENTATION TO SUPPORT CONTRACTOR 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.

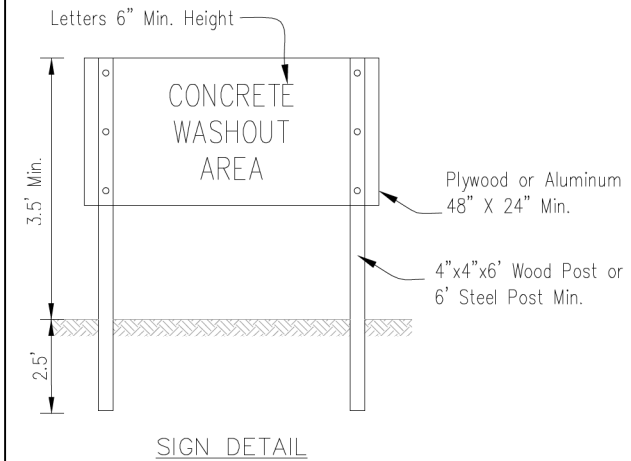


ROOT PROTECTION (SPECIAL)
NTS

AUTJCAD2006



STRAW BALE ANCHOR SECTIONS



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. ILM-6545	Drawn No. BSF545	Designed	Date
			Drawn B. JOHNSON	6/08
			Checked	
			Approved	

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

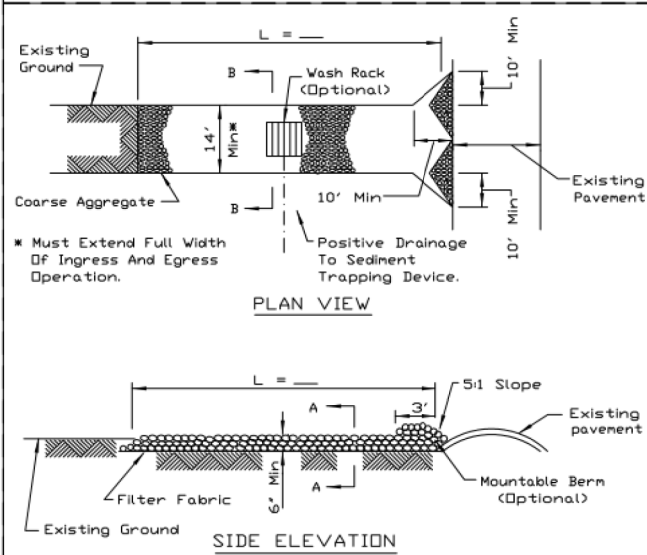
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PLOT SCALE = 2'	CHECKED -	REVISED -	REVISED -
PLOT DATE = 11/1/2022	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1 CONSTRUCTION DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	70
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

STABILIZED CONSTRUCTION ENTRANCE PLAN



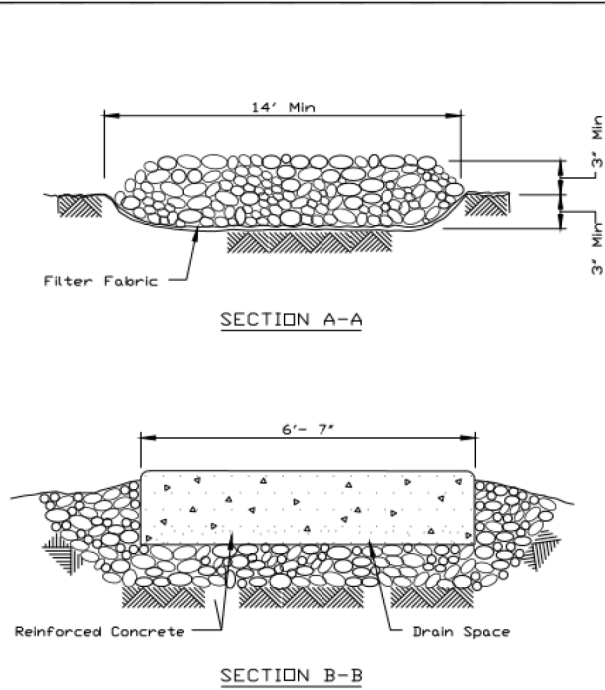
- NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1,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

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

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-630
 SHEET 1 OF 2
 DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN

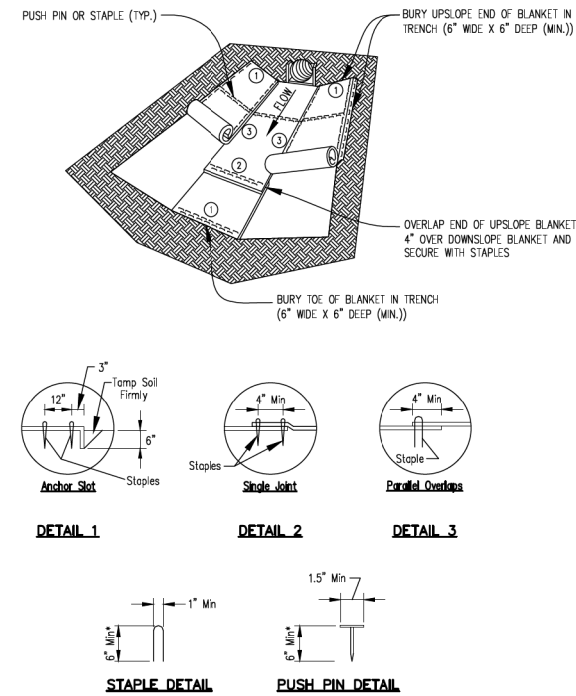


REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IL-630
 SHEET 2 OF 2
 DATE 8-18-94

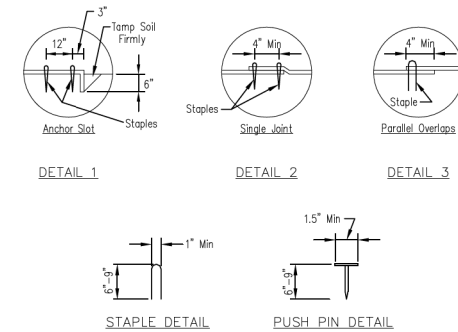
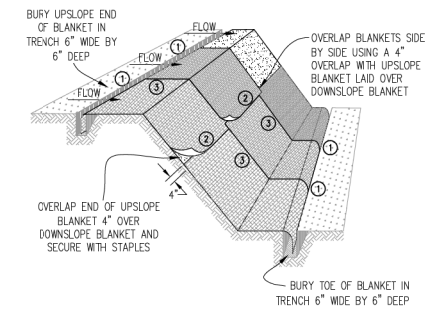
EROSION CONTROL BLANKET - TURF REINFORCEMENT MAT (TRM)



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

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IUM-531
 SHEET 1 OF 1
 DATE 02-22-11



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

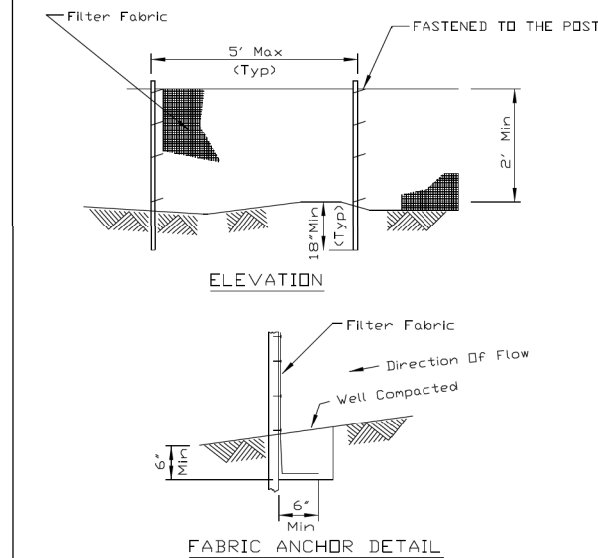
REFERENCE Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
 Natural Resource Conservation Service

STANDARD DWG. NO. IUM-531
 SHEET 1 OF 1
 DATE 02-22-11

EROSION CONTROL BLANKET INSTALLATION DETAILS

SILT FENCE PLAN



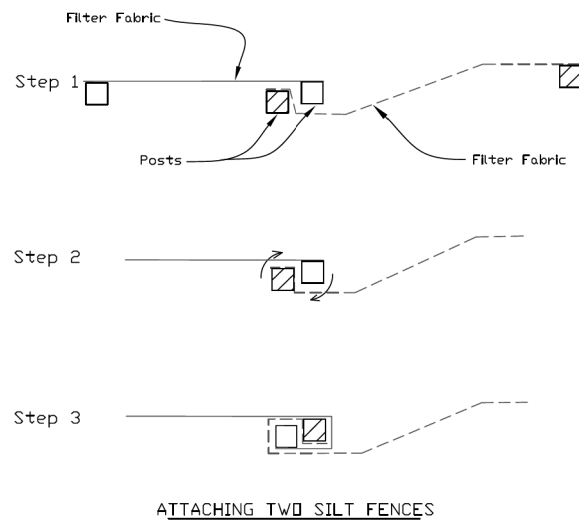
- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material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

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

NRCS
 Natural Resource Conservation Service

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

SILT FENCE - SPLICING TWO FENCES



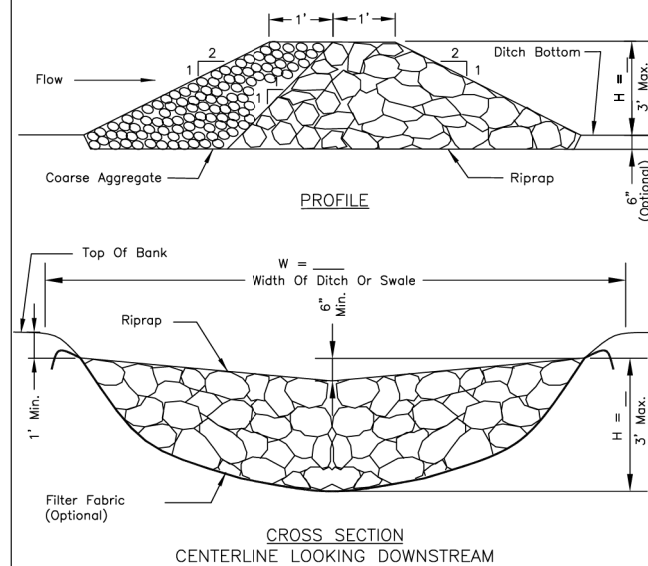
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum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

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

NRCS
 Natural Resource Conservation Service

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

ROCK CHECK DAM - RIPRAP



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

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

NRCS
 Natural Resource Conservation Service

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

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 PLOT SCALE = 2"
 PLOT DATE = 11/1/2022

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

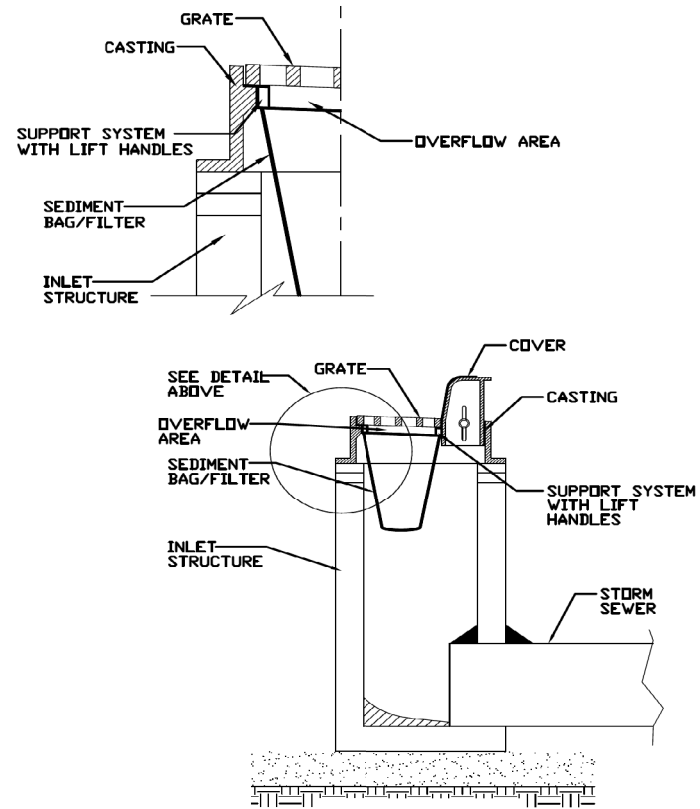
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CONSTRUCTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	71
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

**INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION**

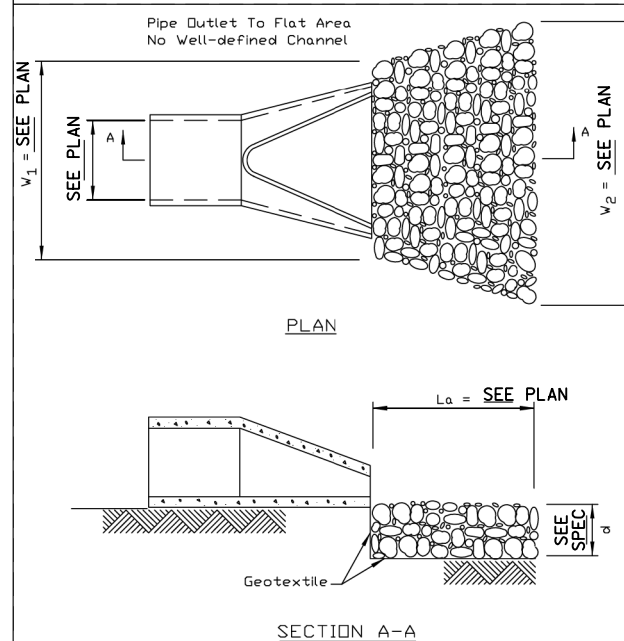


REFERENCE	Project	Date
	Designed	Date
	Checked	Date
	Approved	Date



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

PIPE OUTLET TO FLAT AREA

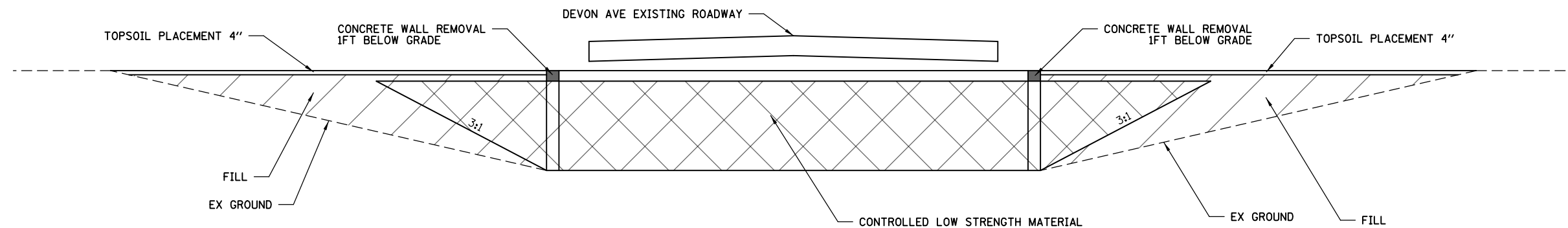


- NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation: RR 4, Quality A.
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE	Project	Date
	Designed	Date
	Checked	Date
	Approved	Date



STANDARD DWG. NO.	IL-610
SHEET 1 OF 1	
DATE	9-15-93



CONTROLLED LOW STRENGTH MATERIAL = 344.6 CY

FILL FROM EARTH EXCAVATION = 341.9 CY

TOPSOIL PLACEMENT = 30.6 CY

EXISTING DRAINAGE STRUCTURES TO BE COVERED WITH CONTROLLED LOW STRENGTH MATERIAL

UNDERPASS REMOVAL DETAIL

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
N:\Park Ridge\220091\Civil\DET_220091.01.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 2"	CHECKED -	REVISED -
	PLOT DATE = 11/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
CONSTRUCTION DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	72
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

PRACTICE 103
TEMPORARY WETLAND CROSSING (Drag Line Mat)

DESCRIPTION

- A temporary crossing structure is installed over a wetland area. The structure consists of a series of mats supported by a frame. A tracked vehicle is shown crossing the structure. The mats are made of a material that is resistant to water and provides a stable surface for the vehicle. The structure is designed to be easily removed and replaced with natural vegetation after the crossing is complete.

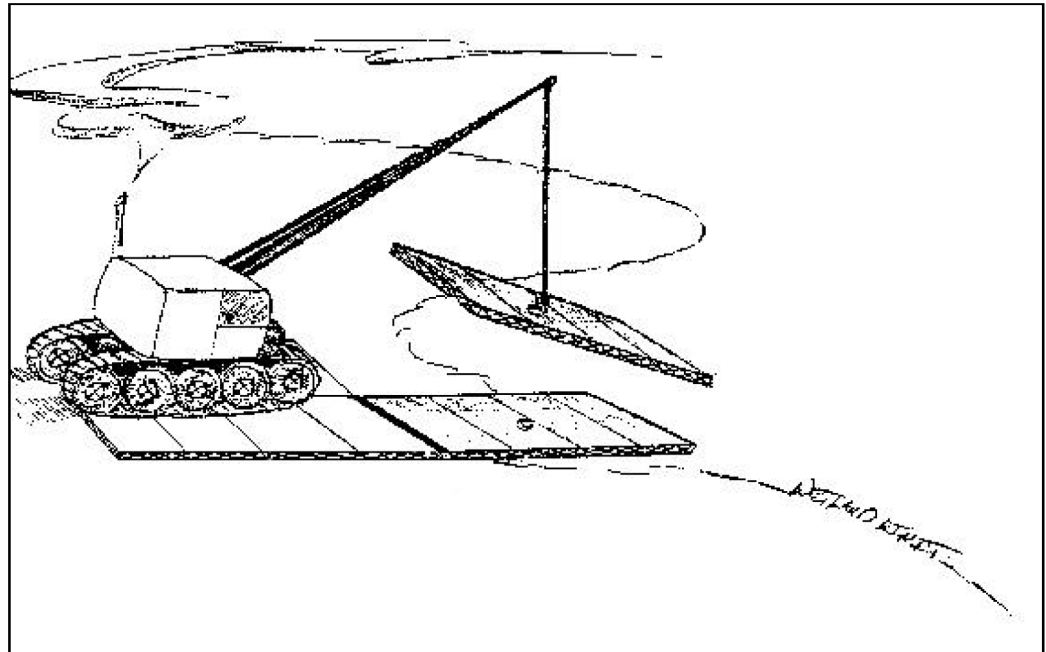


Exhibit 103a: A temporary wetland crossing structure consisting of a series of mats supported by a frame, used for crossing a wetland area.

PURPOSE

- To provide a temporary crossing structure over a wetland area, allowing for the safe passage of vehicles and equipment during construction or maintenance work.

WHERE APPLICABLE

- In areas where a temporary crossing structure is needed to cross a wetland area during construction or maintenance work.

ADVANTAGES

- The structure is easy to install and remove, and it provides a stable surface for vehicles and equipment.
- The structure is made of a material that is resistant to water and provides a stable surface for the vehicle.

CONSTRAINTS

- The structure is only suitable for use in wetland areas.
- The structure is only suitable for use in areas where a temporary crossing structure is needed.

DESIGN AND CONSTRUCTION GUIDELINES

Materials

- The mats should be made of a material that is resistant to water and provides a stable surface for the vehicle.
- The frame should be made of a material that is resistant to water and provides a stable surface for the mats.

Installation

- The mats should be laid out in a series of parallel lines, with the frame supporting the mats.
- The structure should be installed in a way that allows for the safe passage of vehicles and equipment.

- The structure should be installed in a way that allows for the safe passage of vehicles and equipment.
- The structure should be made of a material that is resistant to water and provides a stable surface for the vehicle.
- The frame should be made of a material that is resistant to water and provides a stable surface for the mats.

Special Considerations

- The structure should be installed in a way that allows for the safe passage of vehicles and equipment.

MAINTENANCE

- The structure should be maintained in a way that allows for the safe passage of vehicles and equipment.

REFERENCES

Related Practices

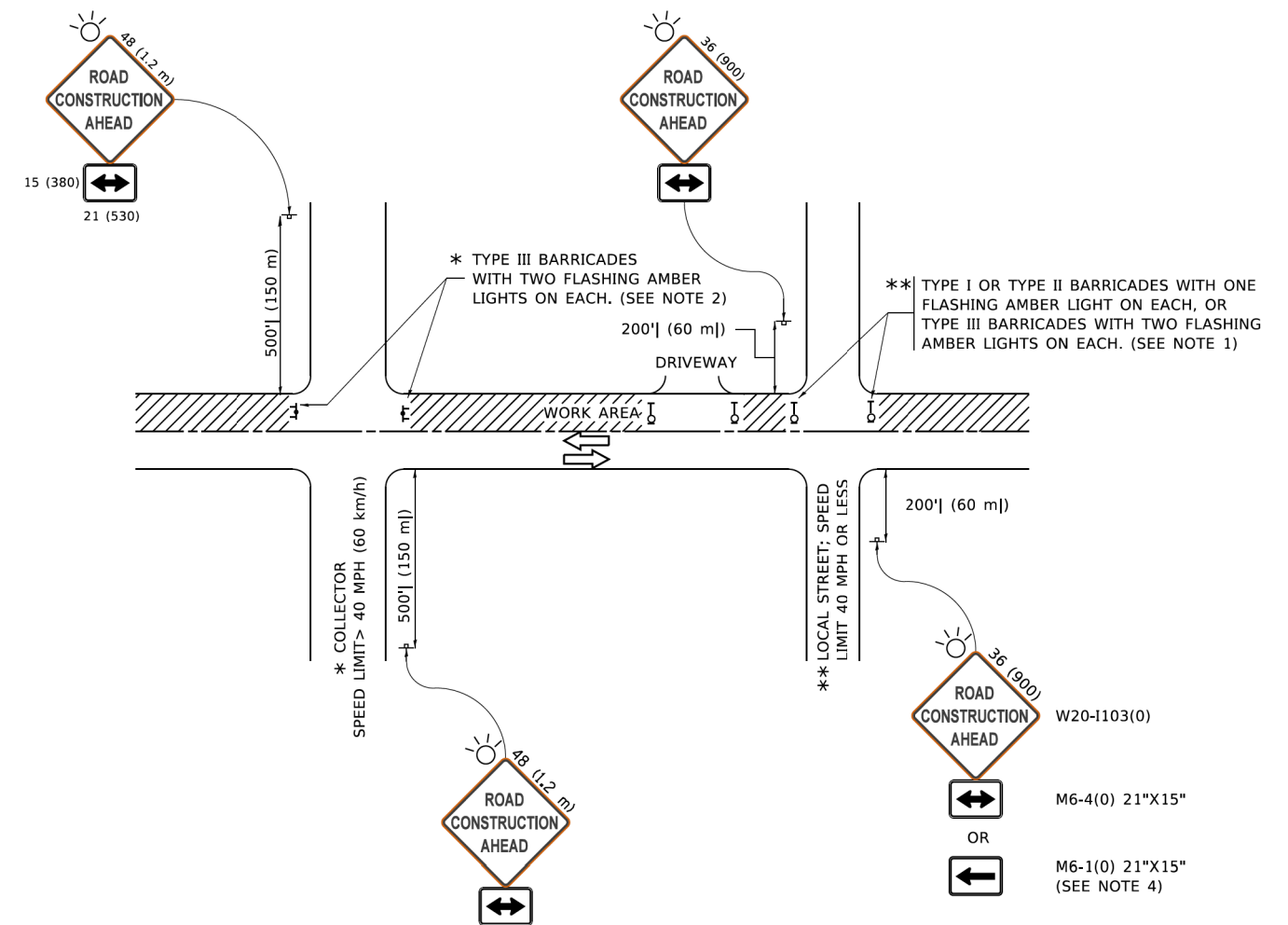
- Practice 101: Temporary Wetland Crossing (Log Mat)
- Practice 102: Temporary Wetland Crossing (Sand Mat)
- Practice 103: Temporary Wetland Crossing (Drag Line Mat)

Other Sources of Information

- The structure should be installed in a way that allows for the safe passage of vehicles and equipment.

Other sources of information include the following:

6118 73



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: Default
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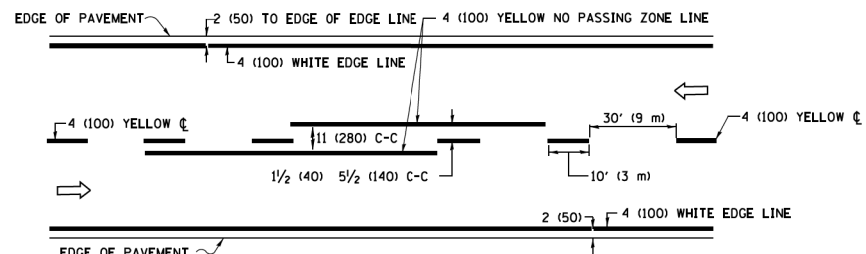
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

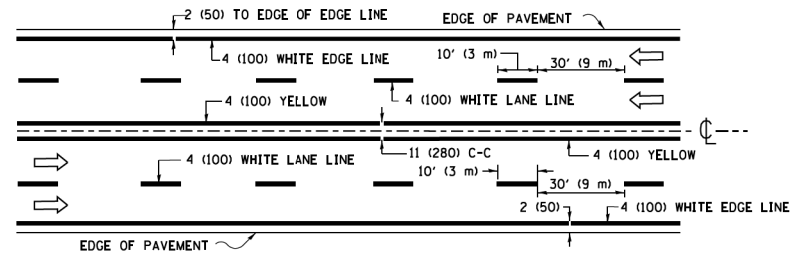
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

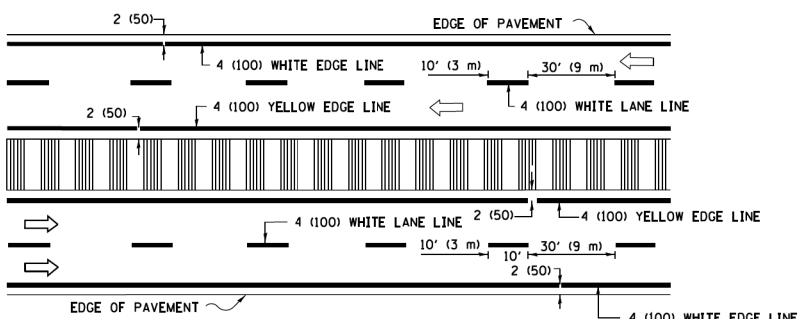
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	74
TC-10			CONTRACT NO. 61J18	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

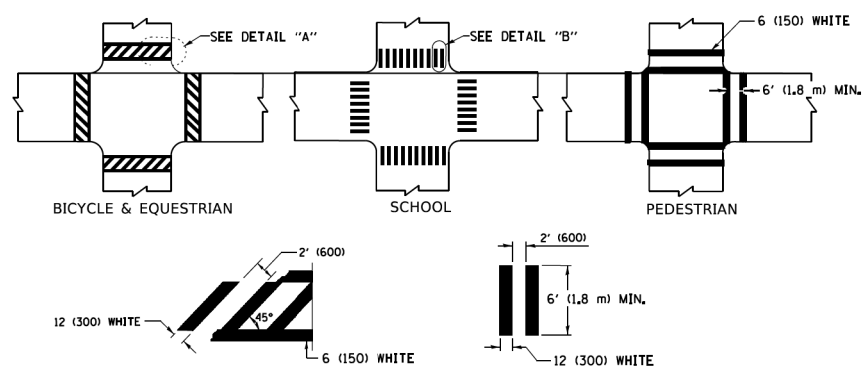


MULTI-LANE UNDIVIDED



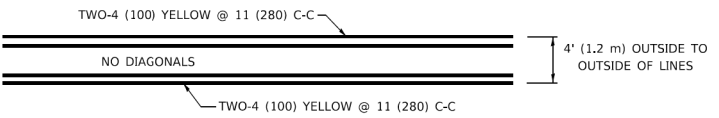
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

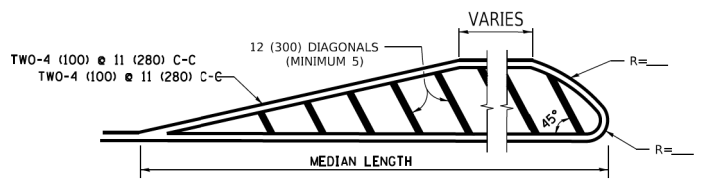


TYPICAL CROSSWALK MARKING

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

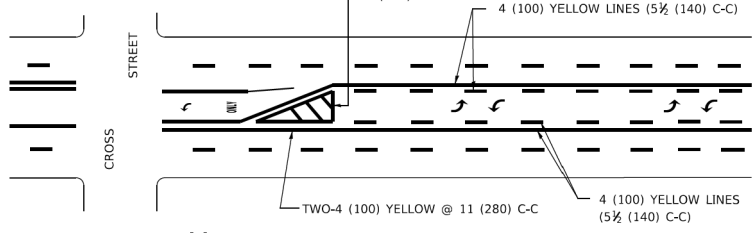


4' (1.2 m) WIDE MEDIANS ONLY



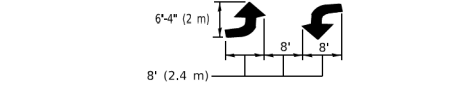
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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

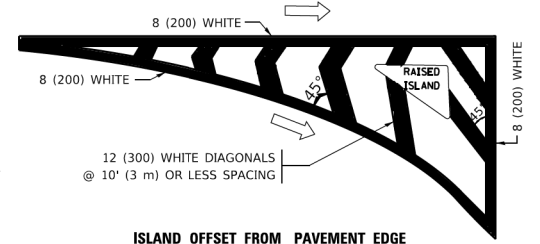
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



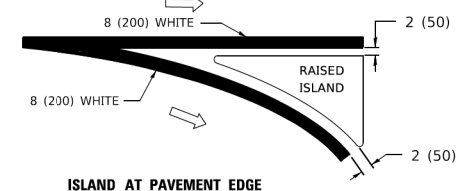
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

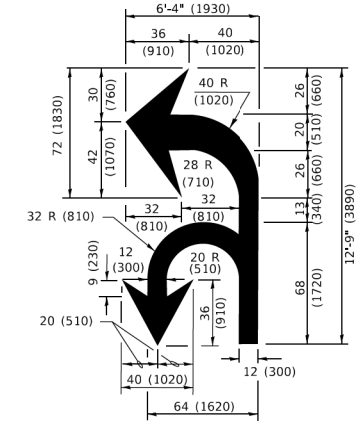
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



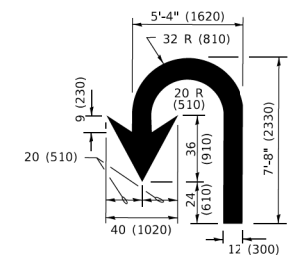
ISLAND OFFSET FROM PAVEMENT EDGE



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 6' (1.8 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 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	75
TC-13			CONTRACT NO. 61J18	
ILLINOIS / FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

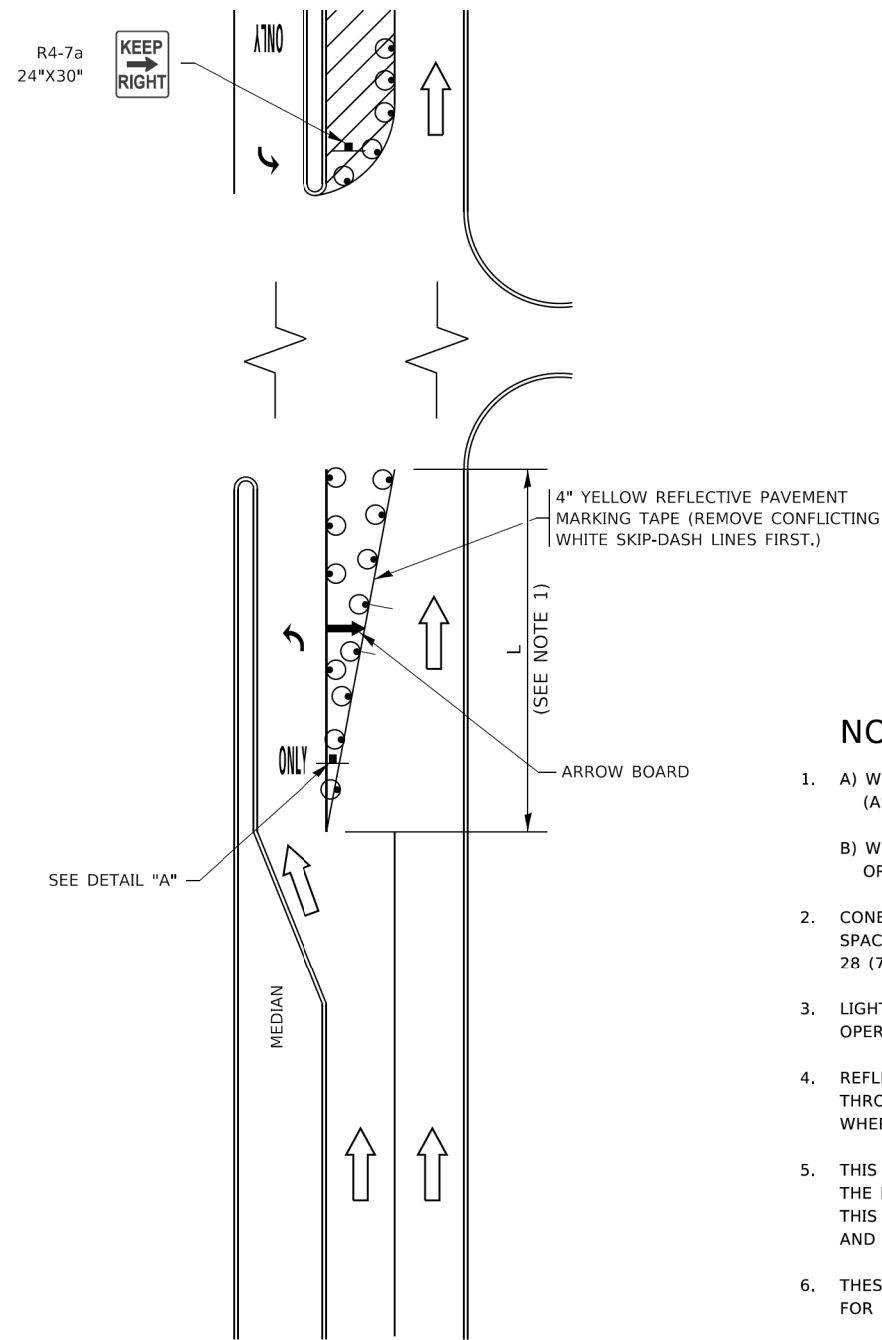


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

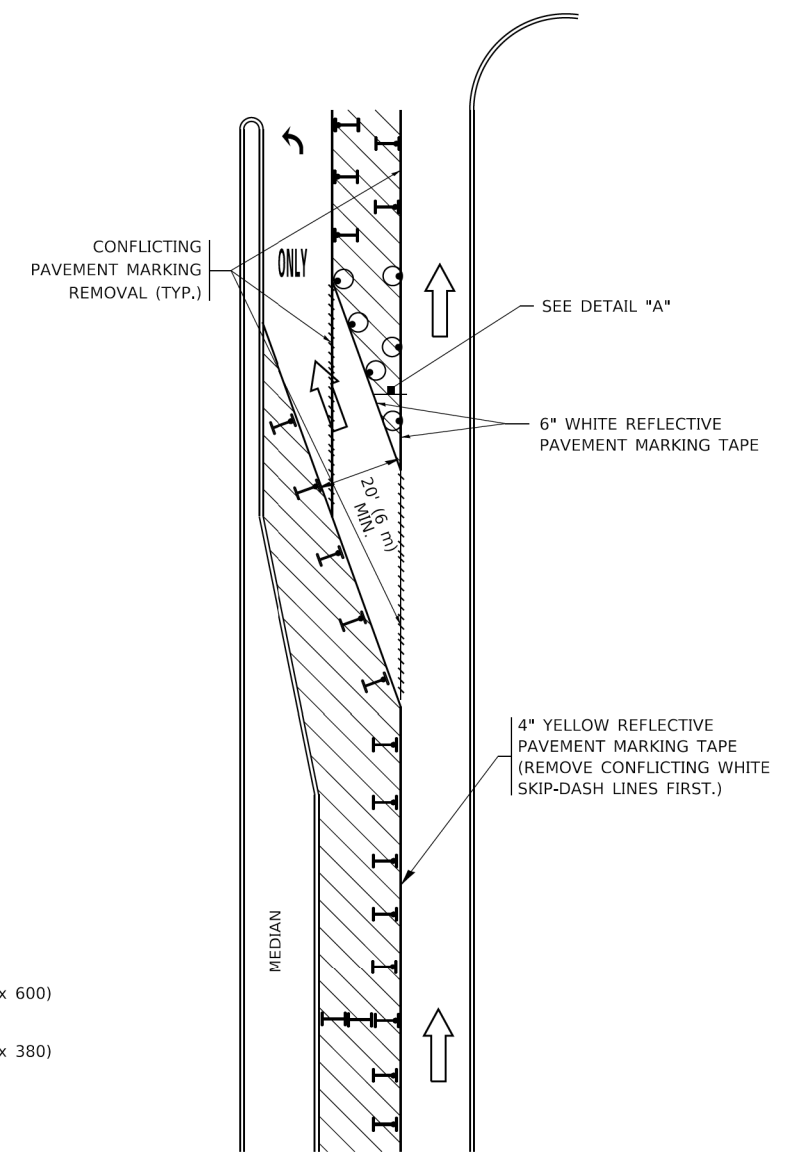
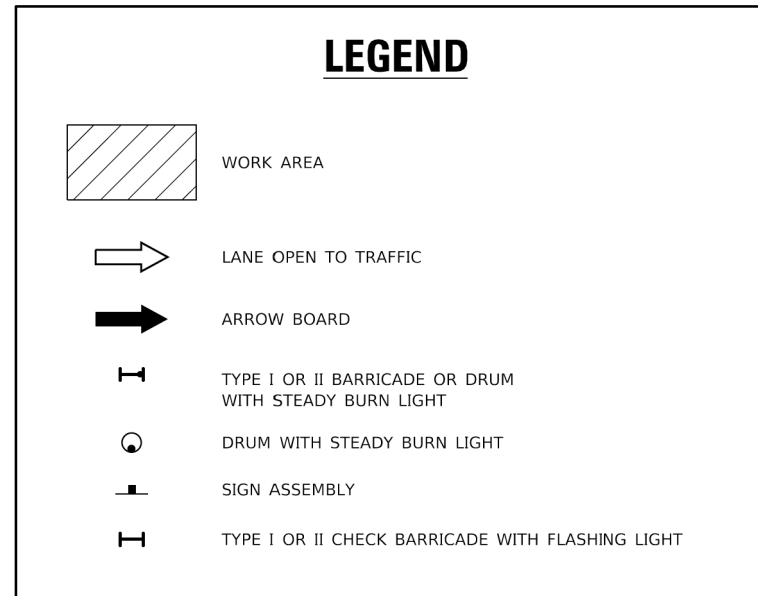
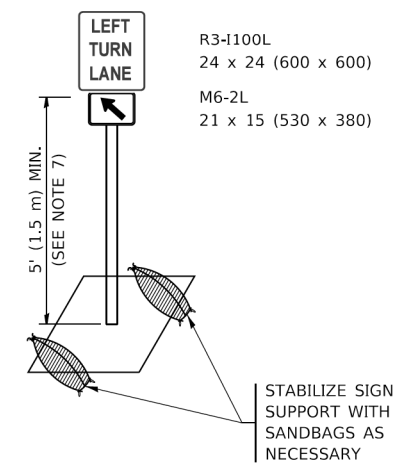


FIGURE 2



NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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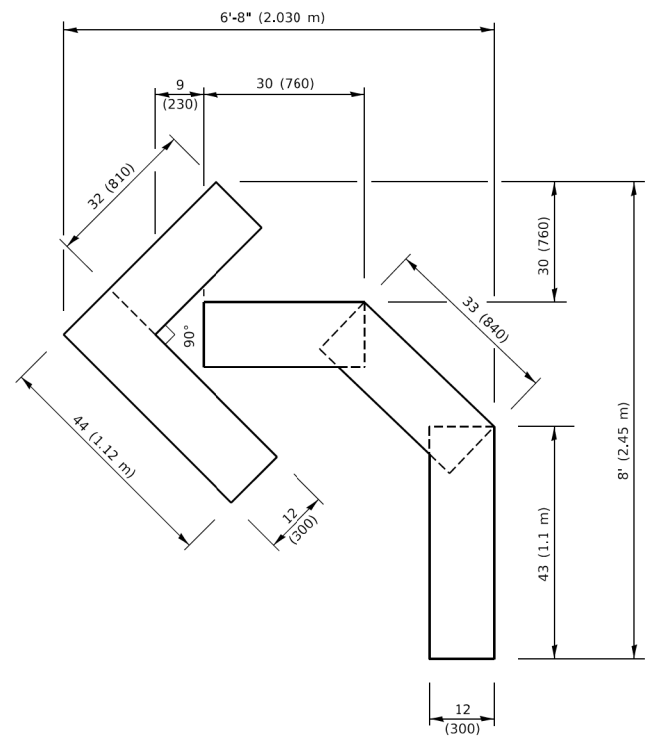
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PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

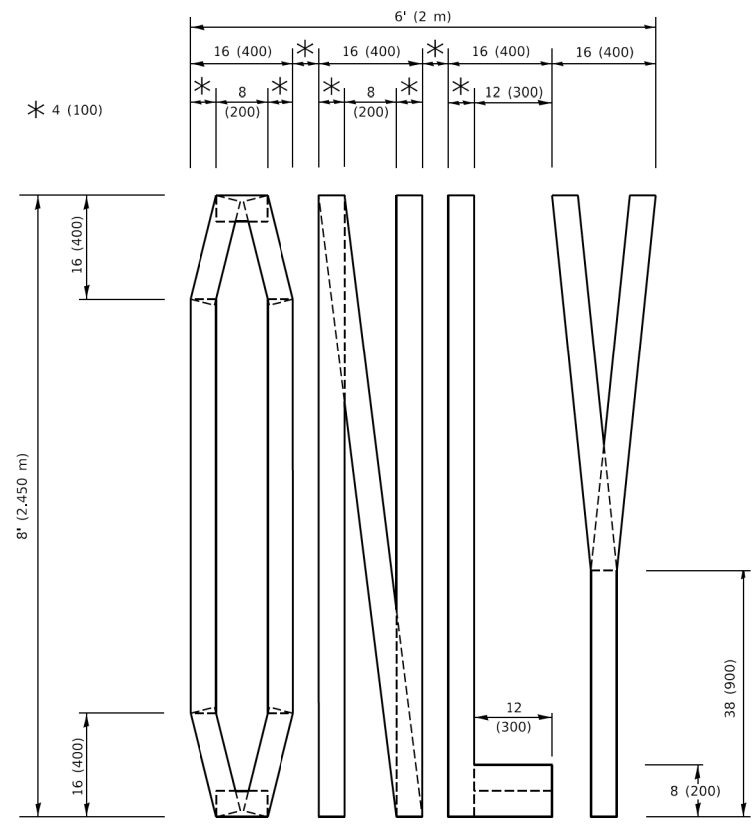
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 61J18		
ILLINOIS FED. AID PROJECT				



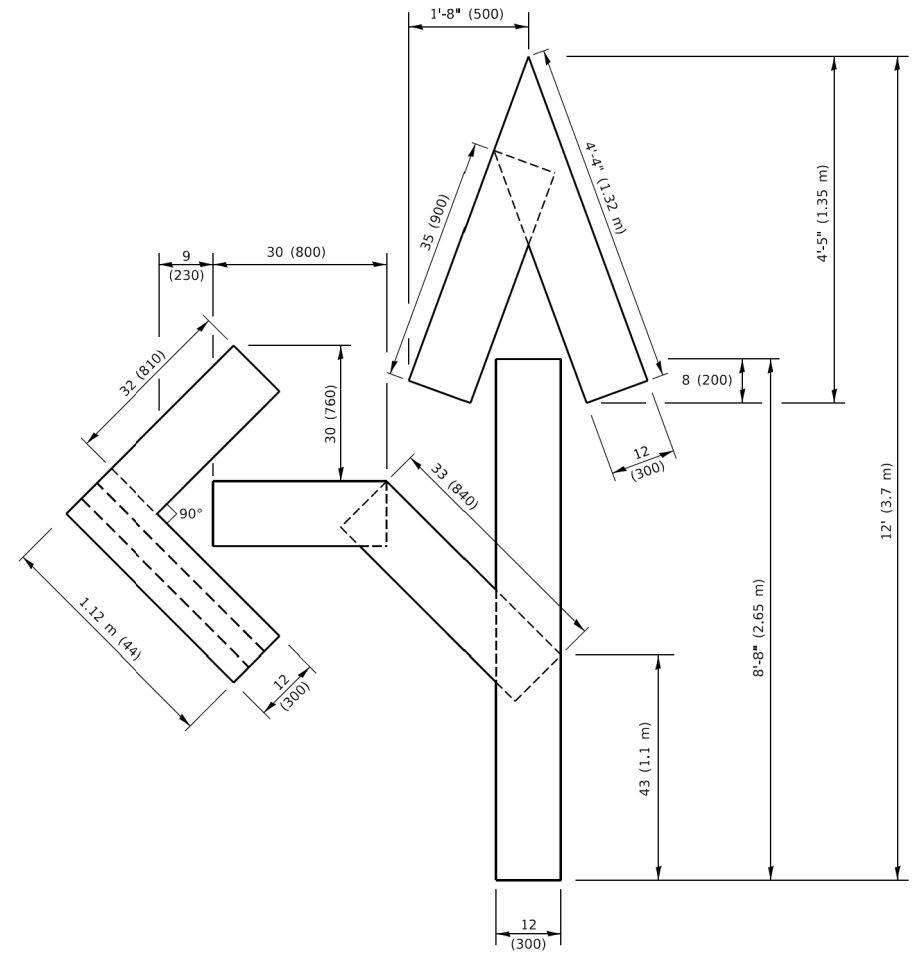
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

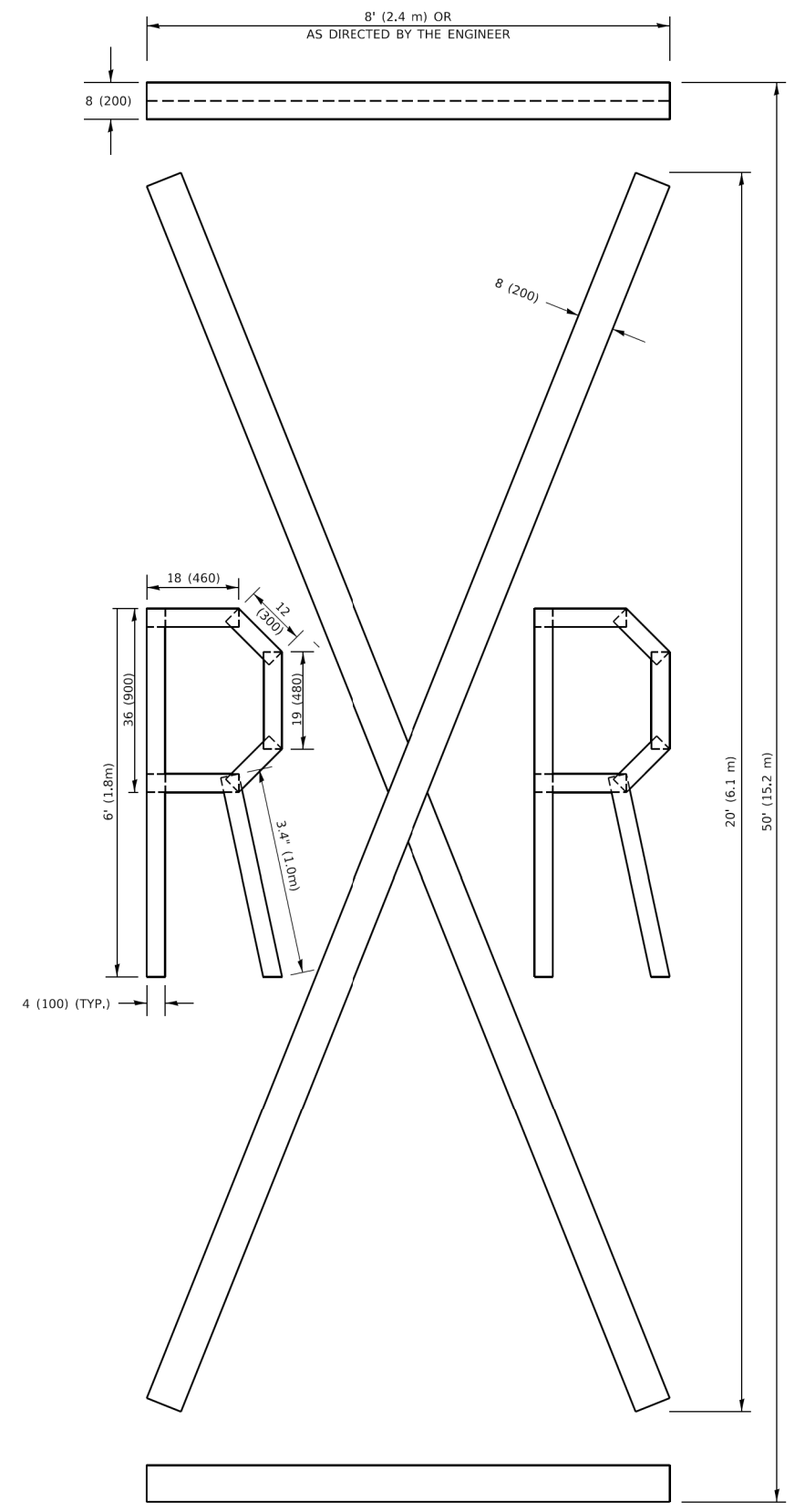


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

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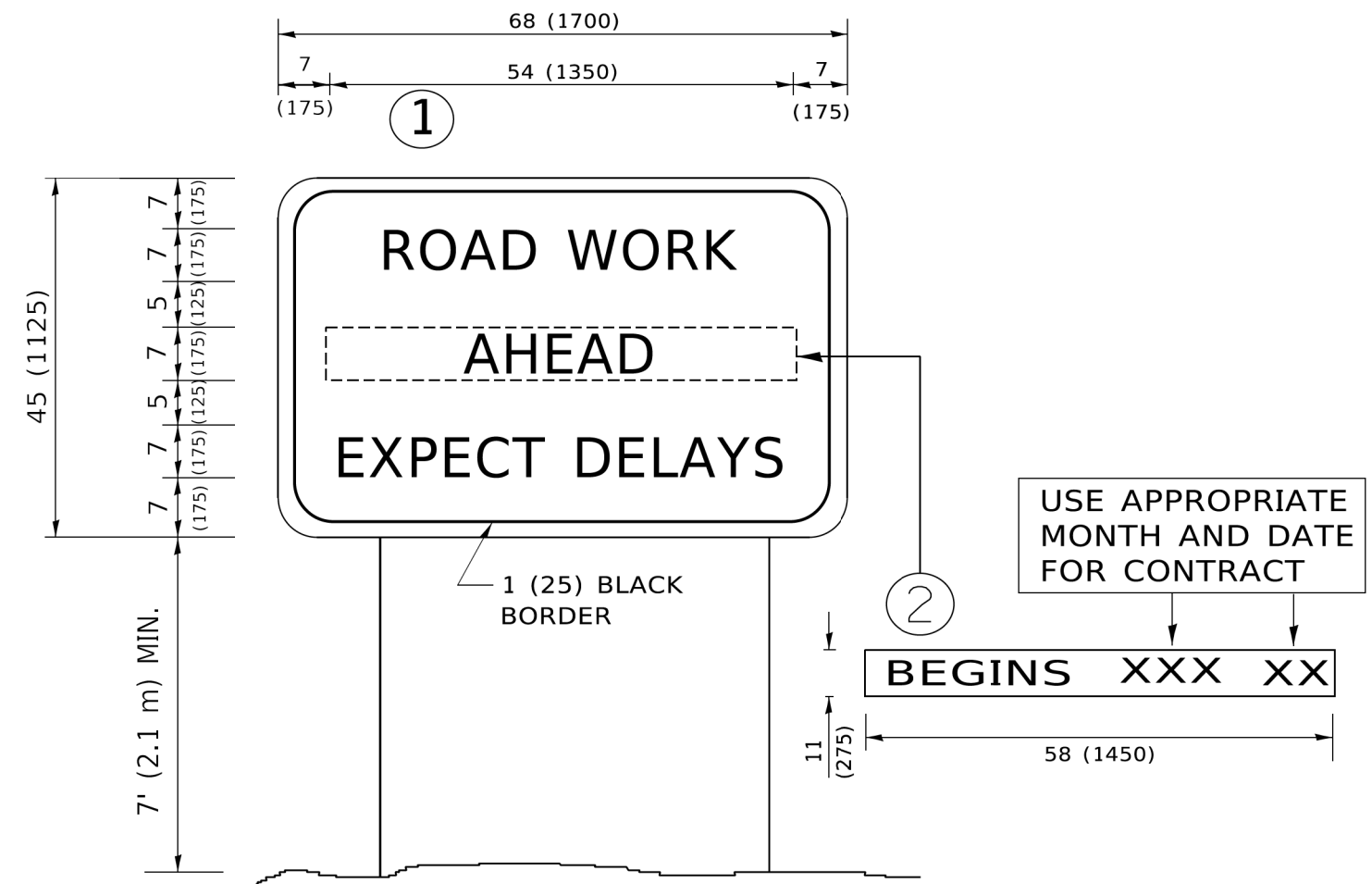
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	77
TC-16		CONTRACT NO.	61J18	
		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.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

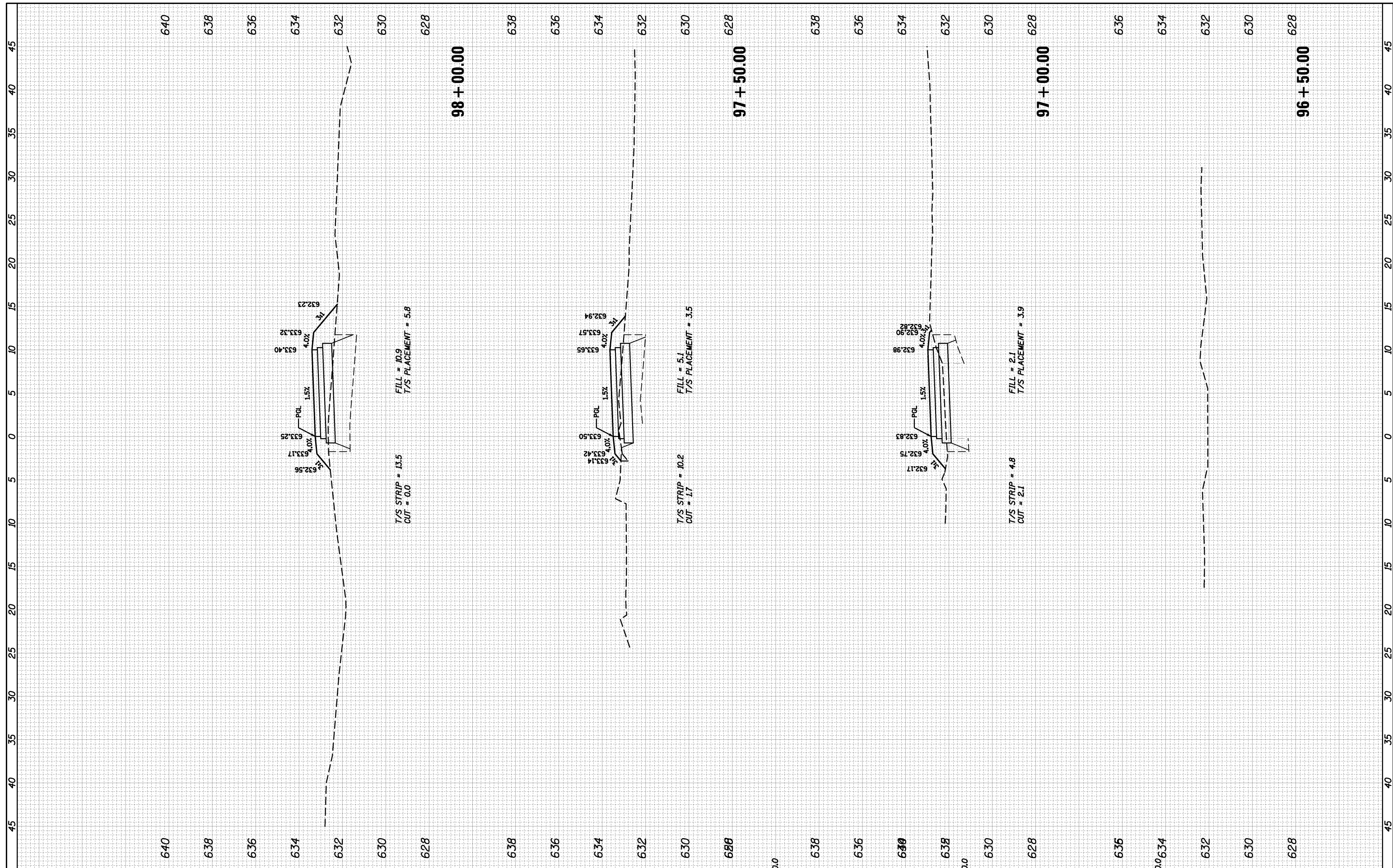
**ARTERIAL ROAD
INFORMATION SIGN**

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ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

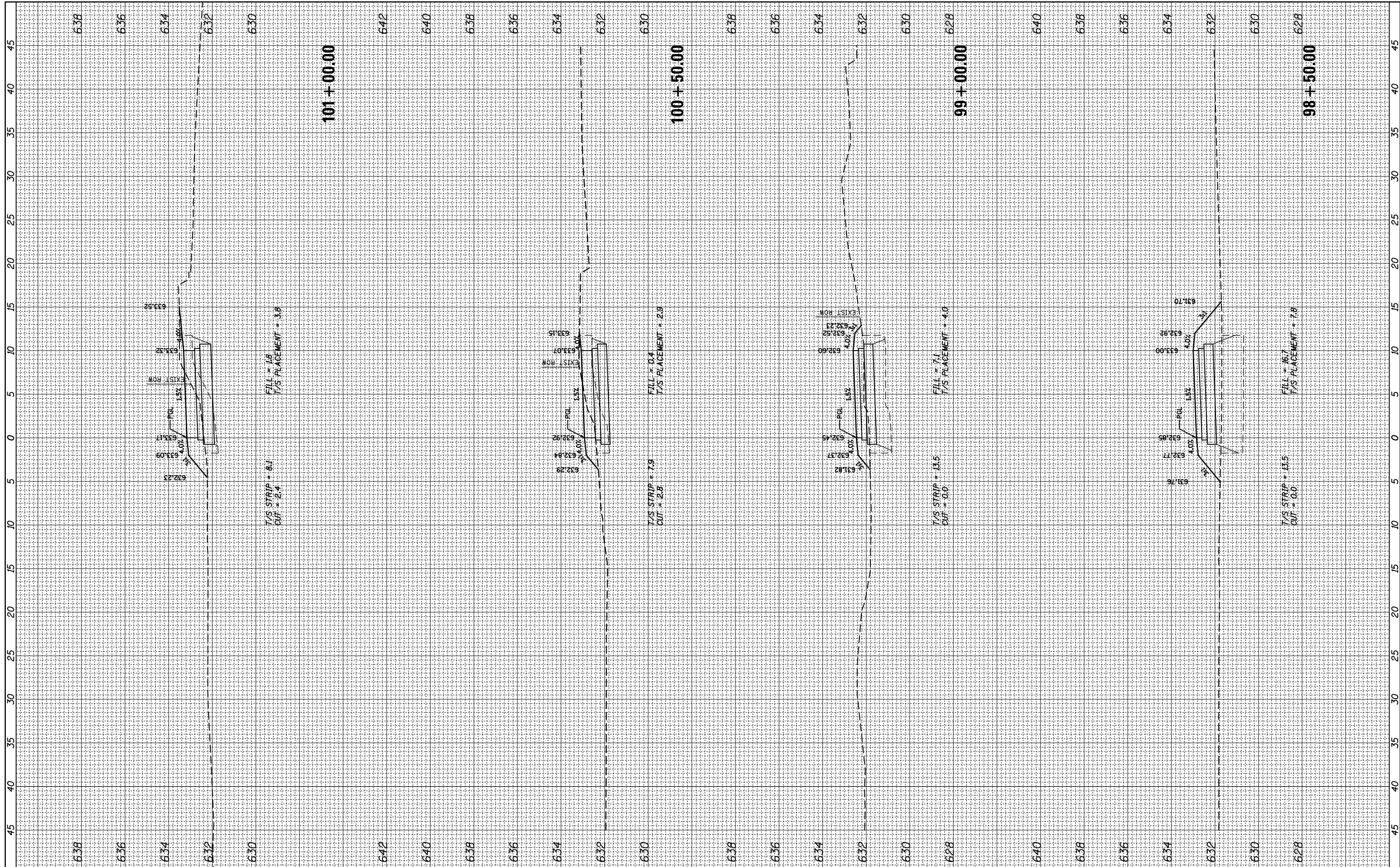
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CROSS SECTIONS**

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CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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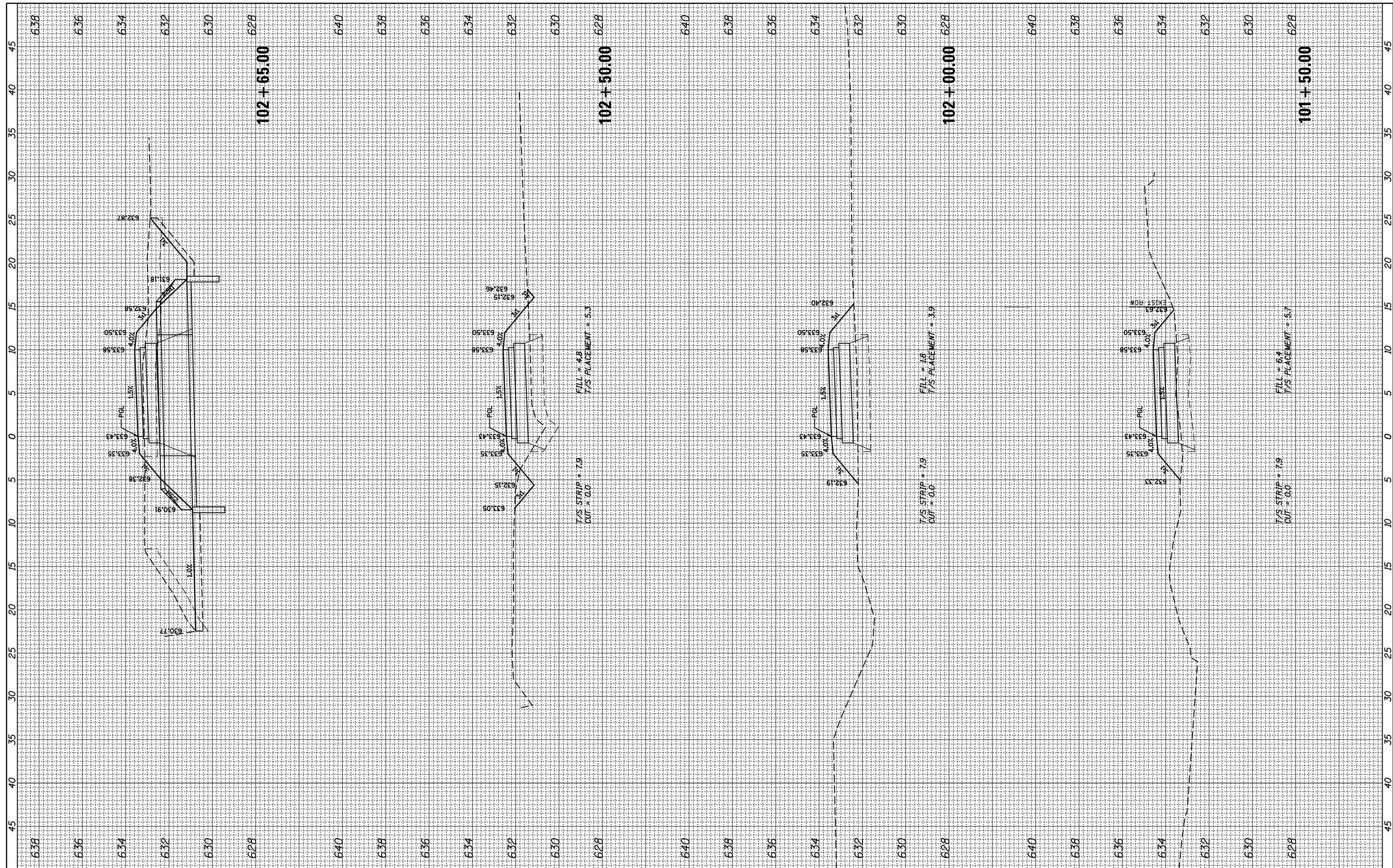
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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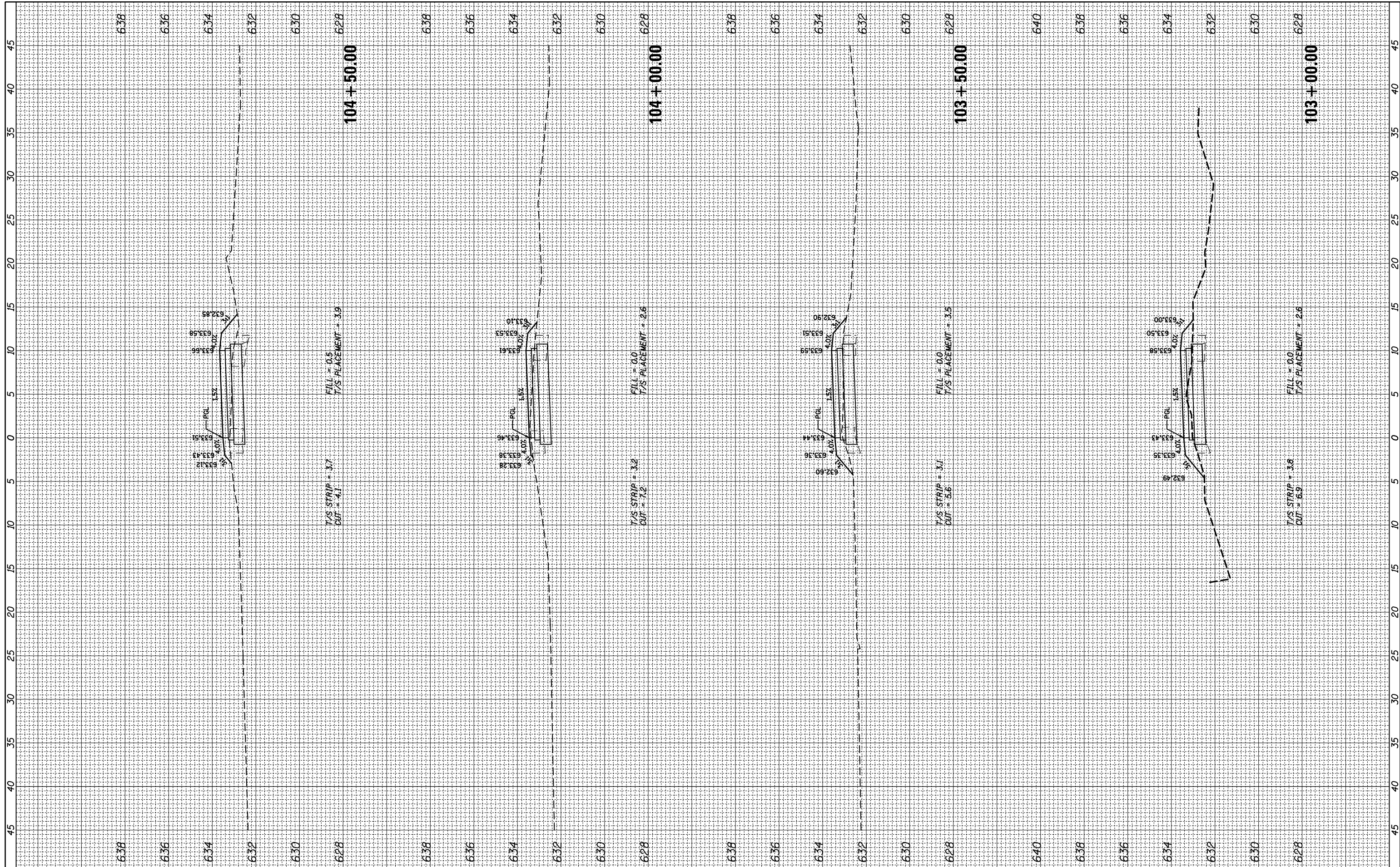
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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				CONTRACT NO. 61118
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

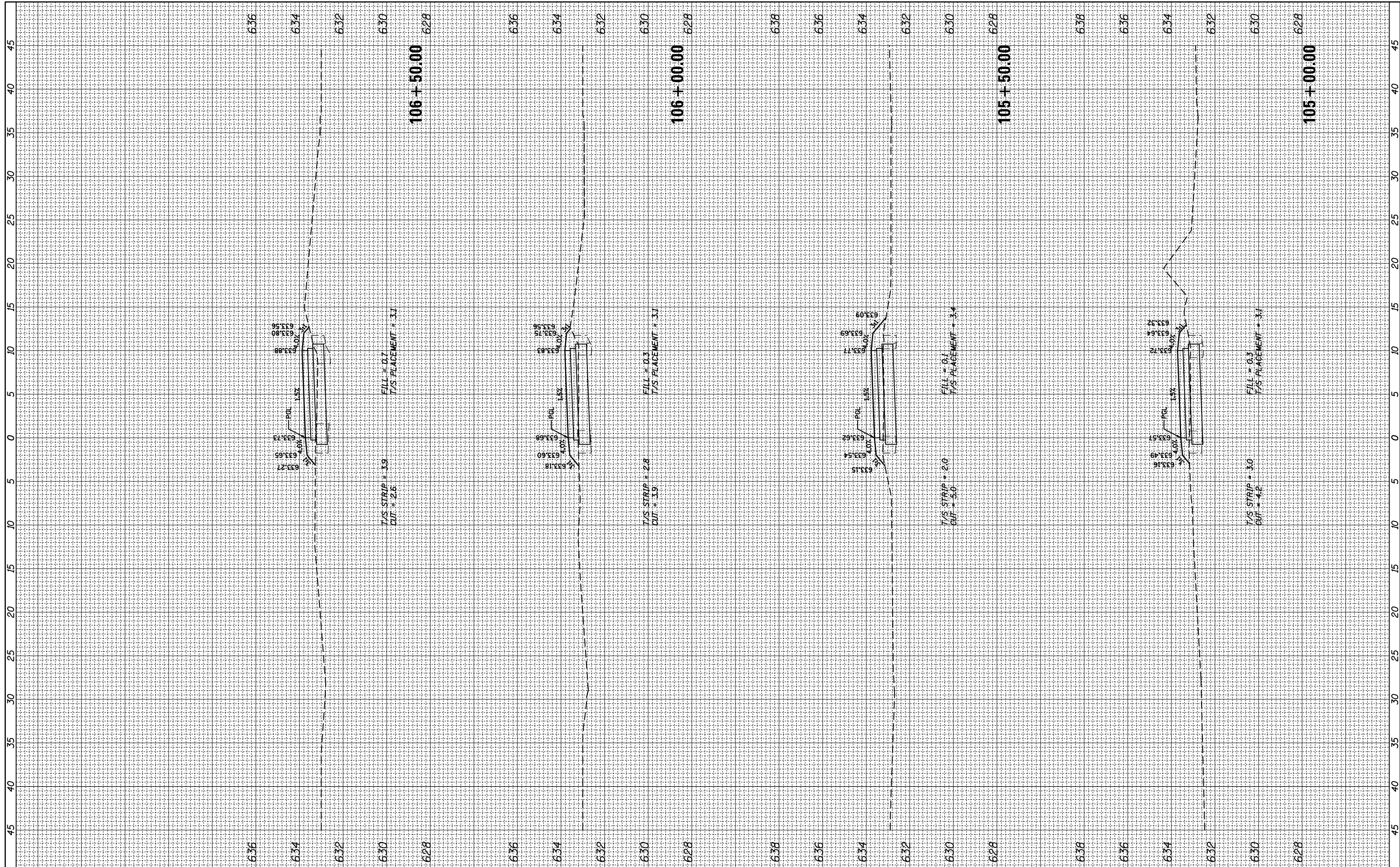
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CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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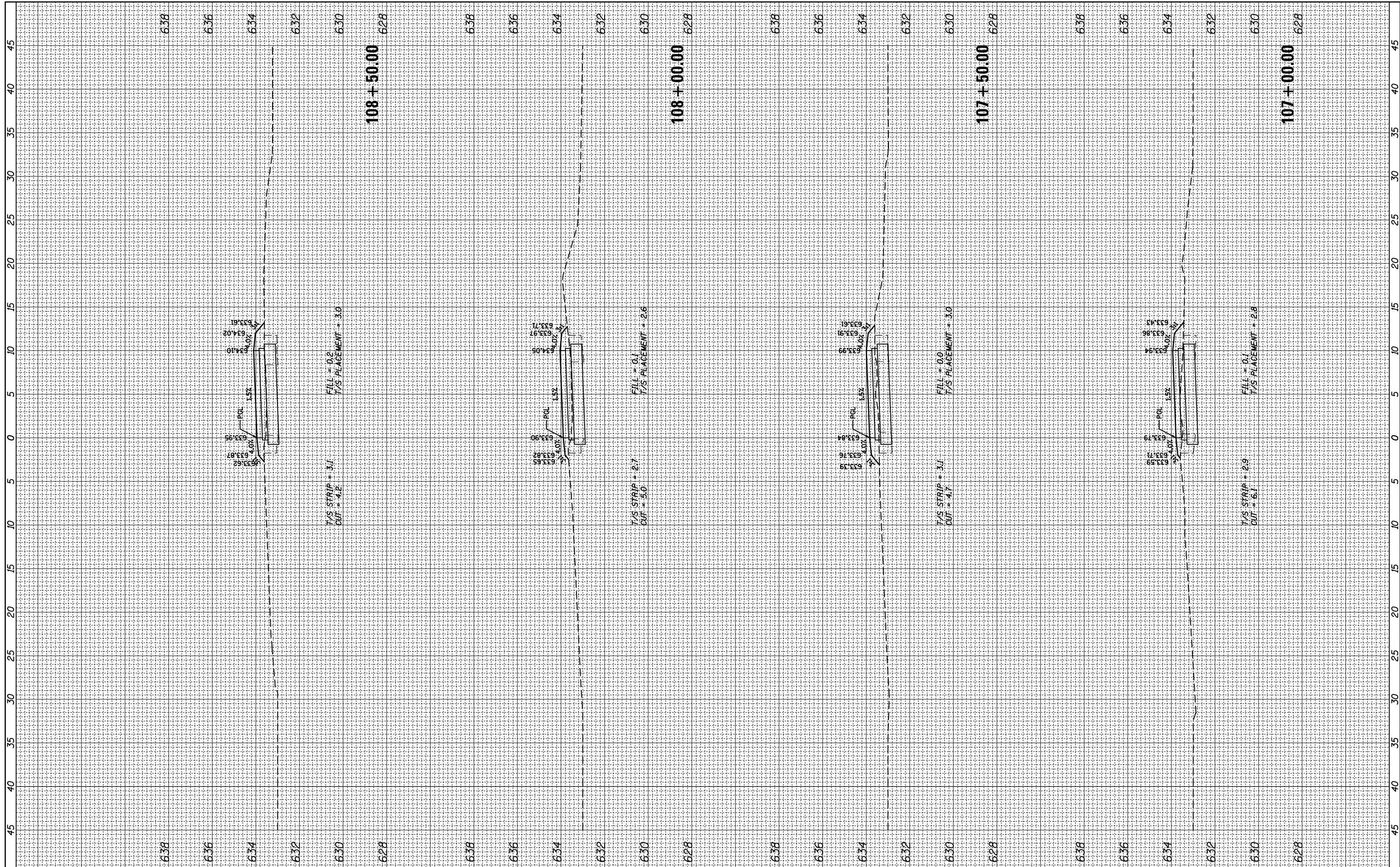
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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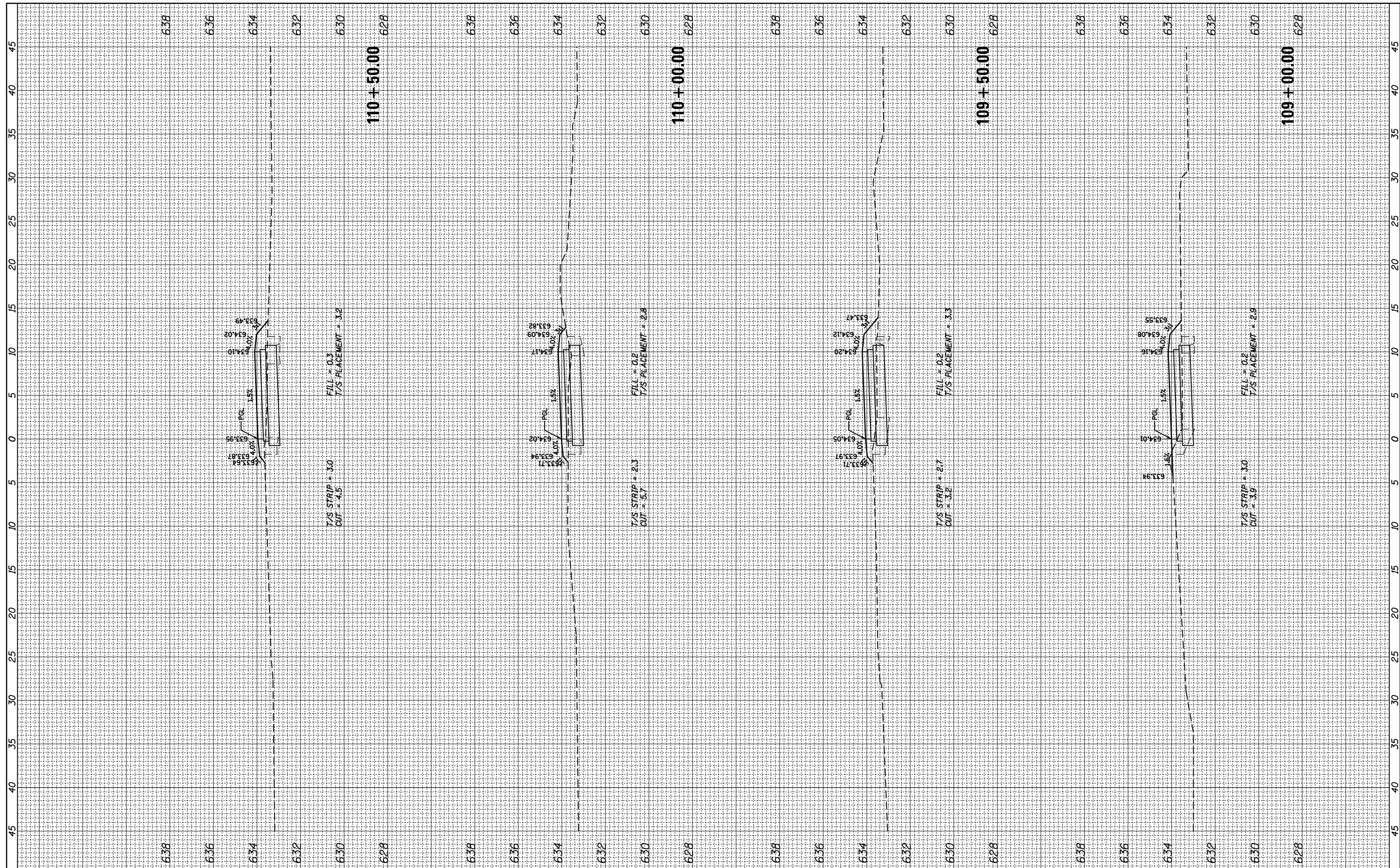
STATE OF ILLINOIS
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DES PLAINES RIVER TRAIL SEGMENT 1
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J18			ILLINOIS FED. AID PROJECT	

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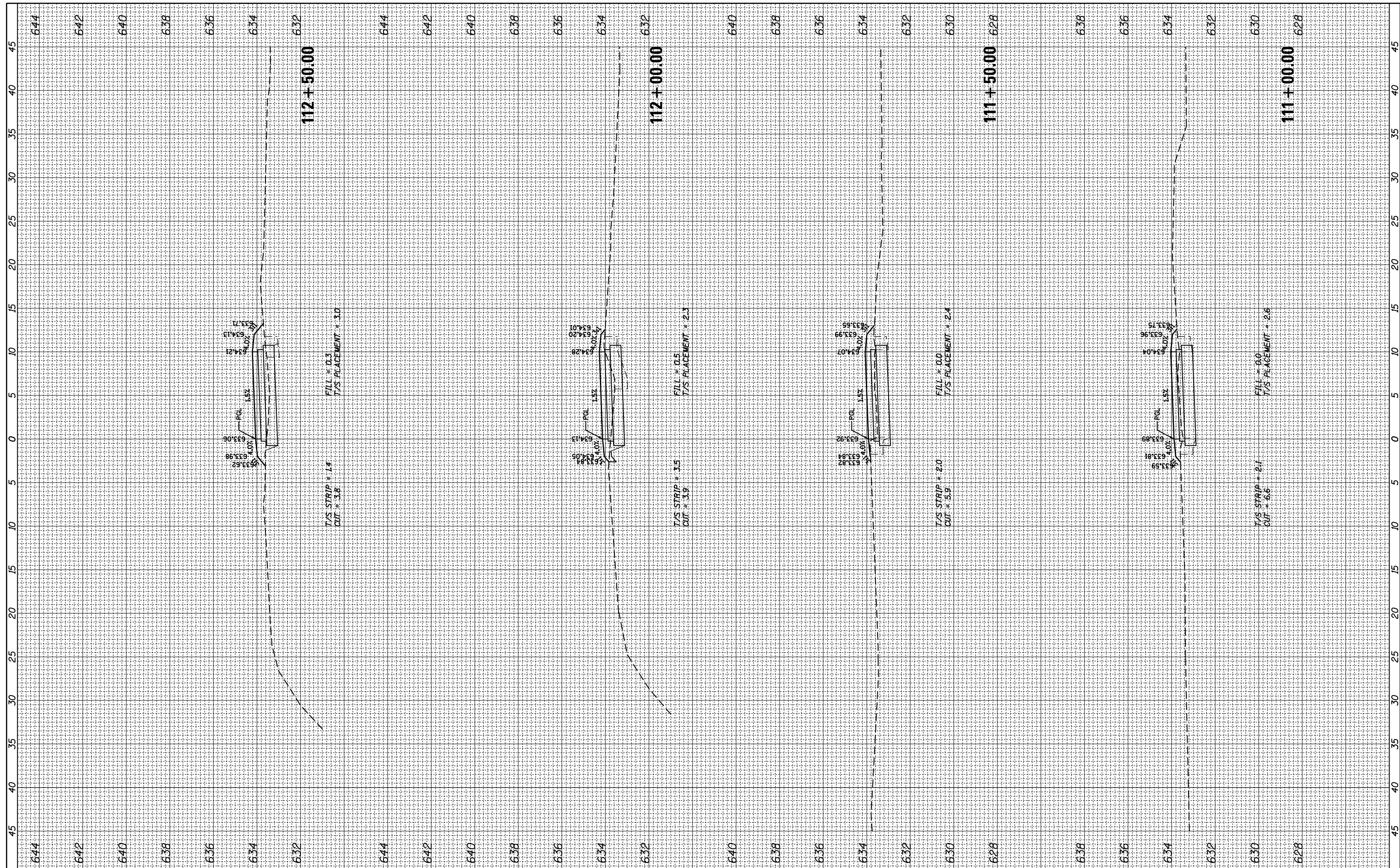
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 109+00.00 TO STA. 110+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	85
CONTRACT NO. 6118				
ILLINOIS FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

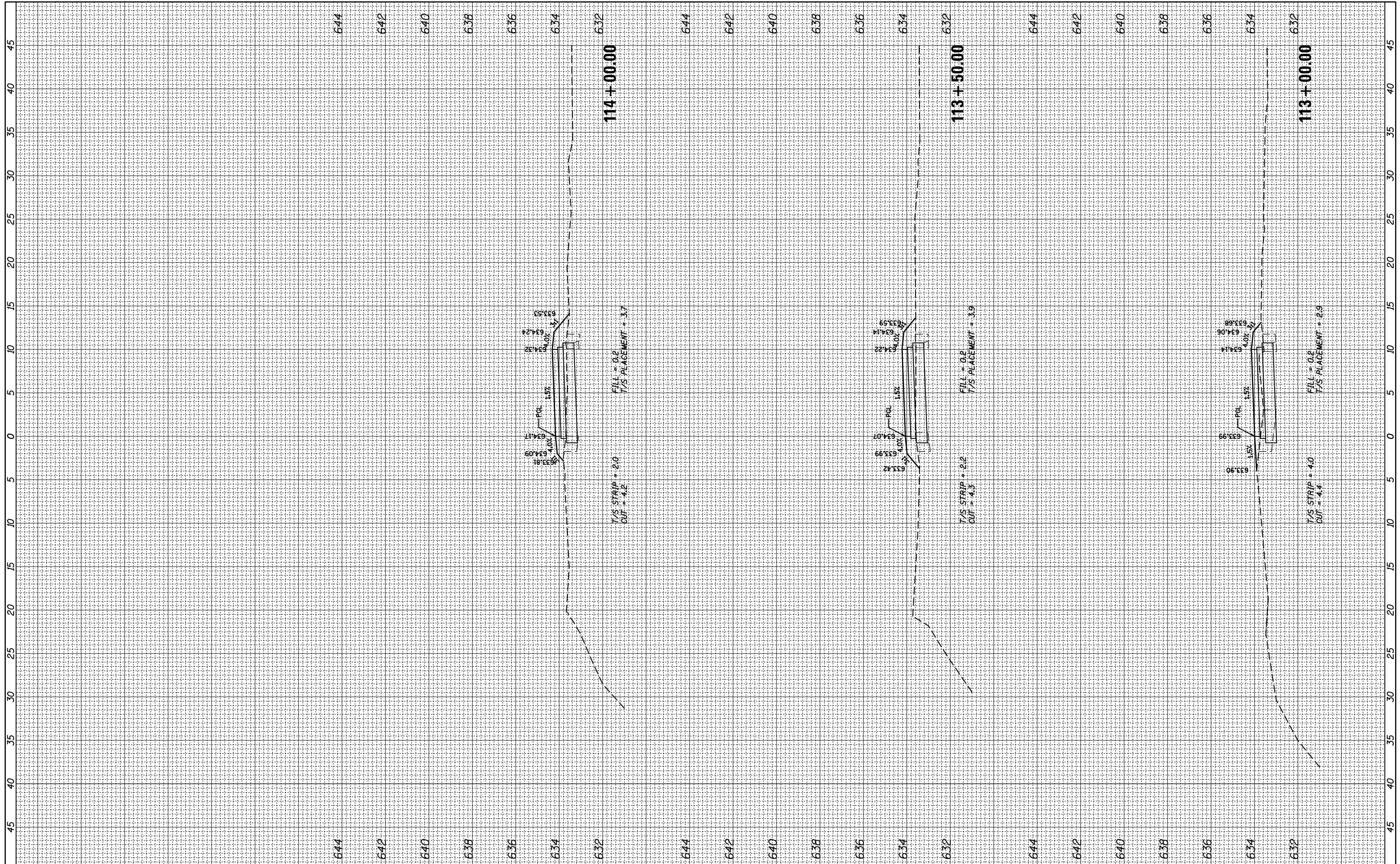
**DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 111+00.00 TO STA. 112+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	86
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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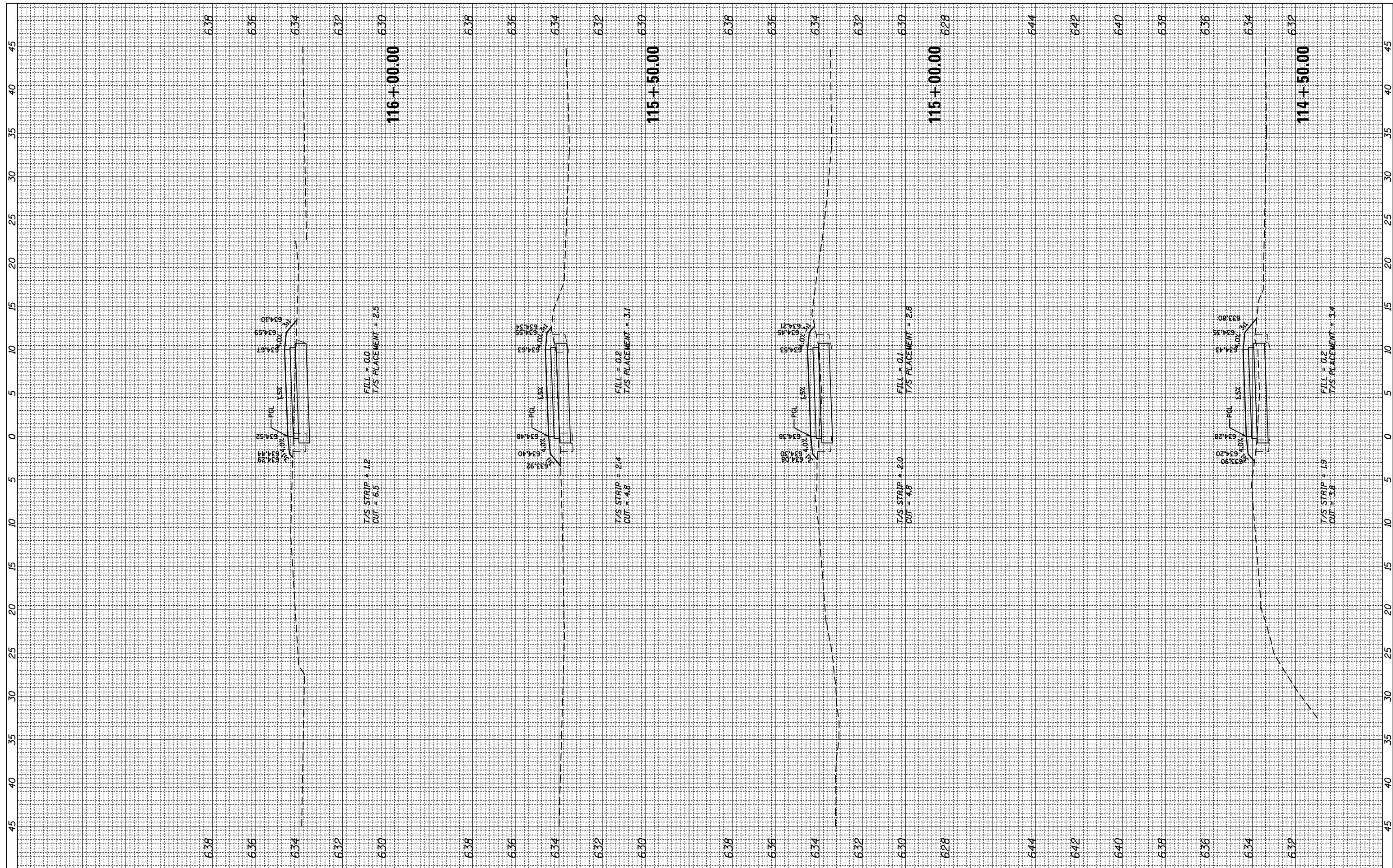
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS
SCALE: SHEET OF SHEETS STA. 113+00.00 TO STA. 114+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	87
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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

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



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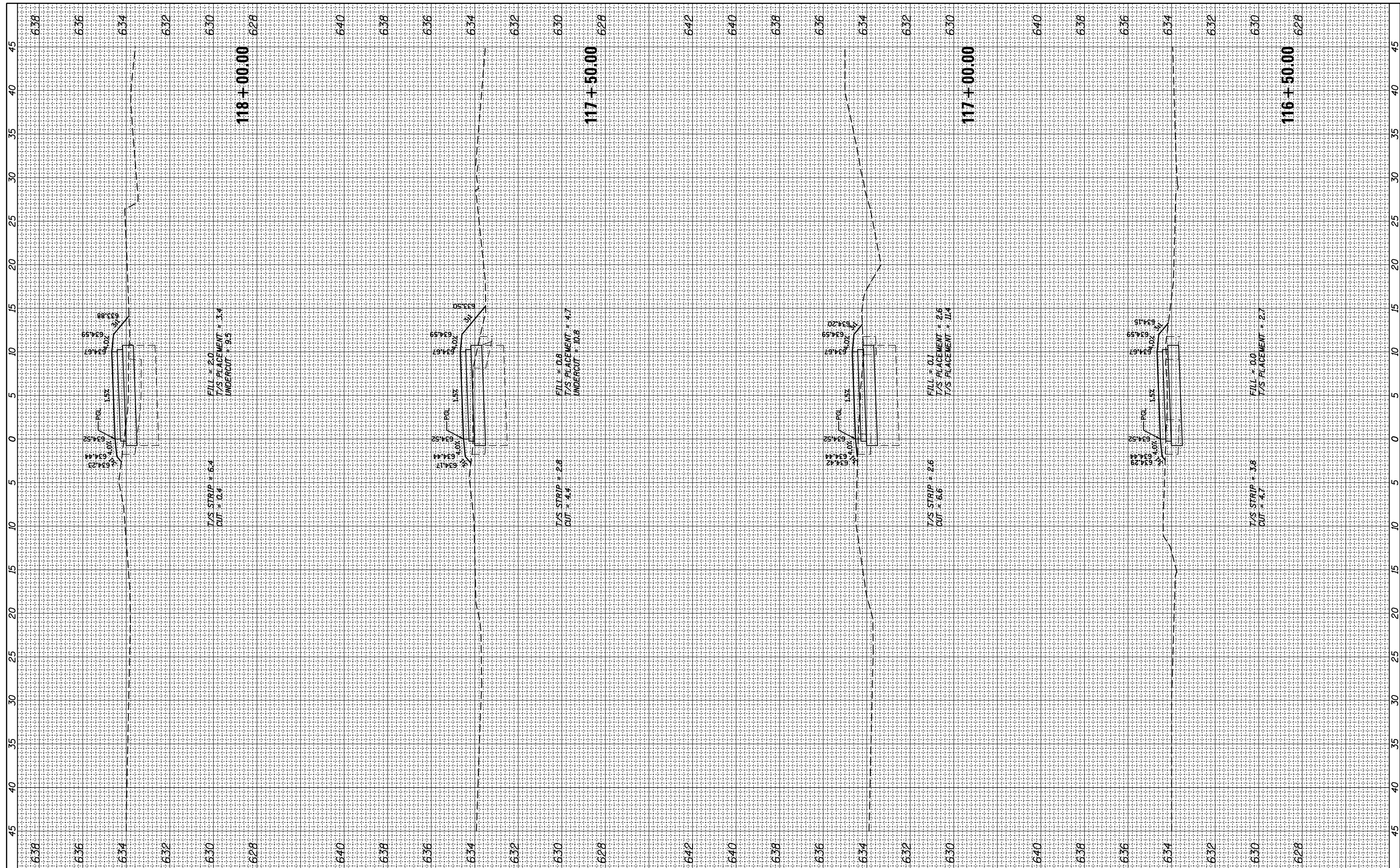
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 114+50.00 TO STA. 116+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	88
			CONTRACT NO.	6118
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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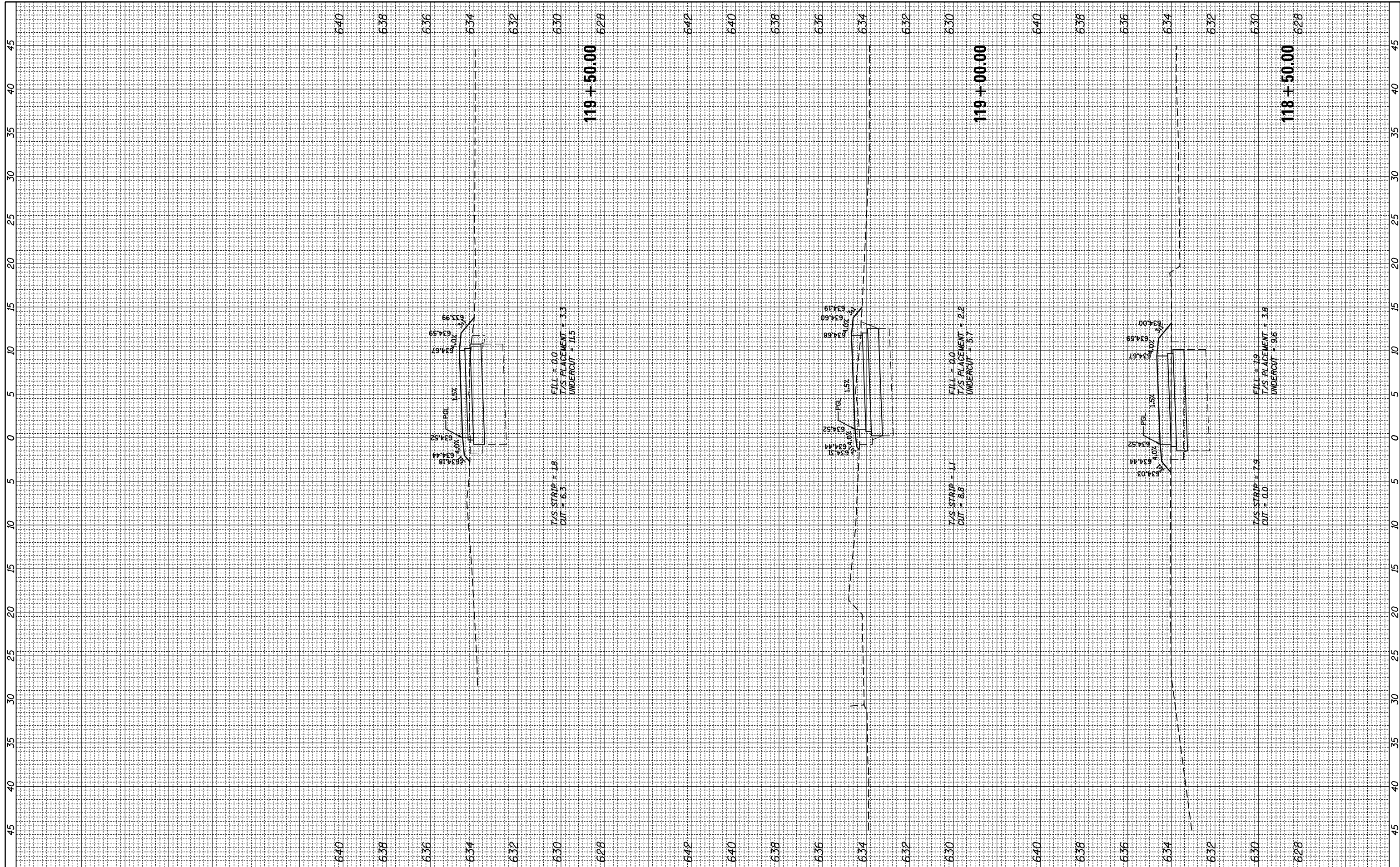
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 116+50.00 TO STA. 118+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	89
			CONTRACT NO. 61J18	
ILLINOIS FED. AID PROJECT				

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

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



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

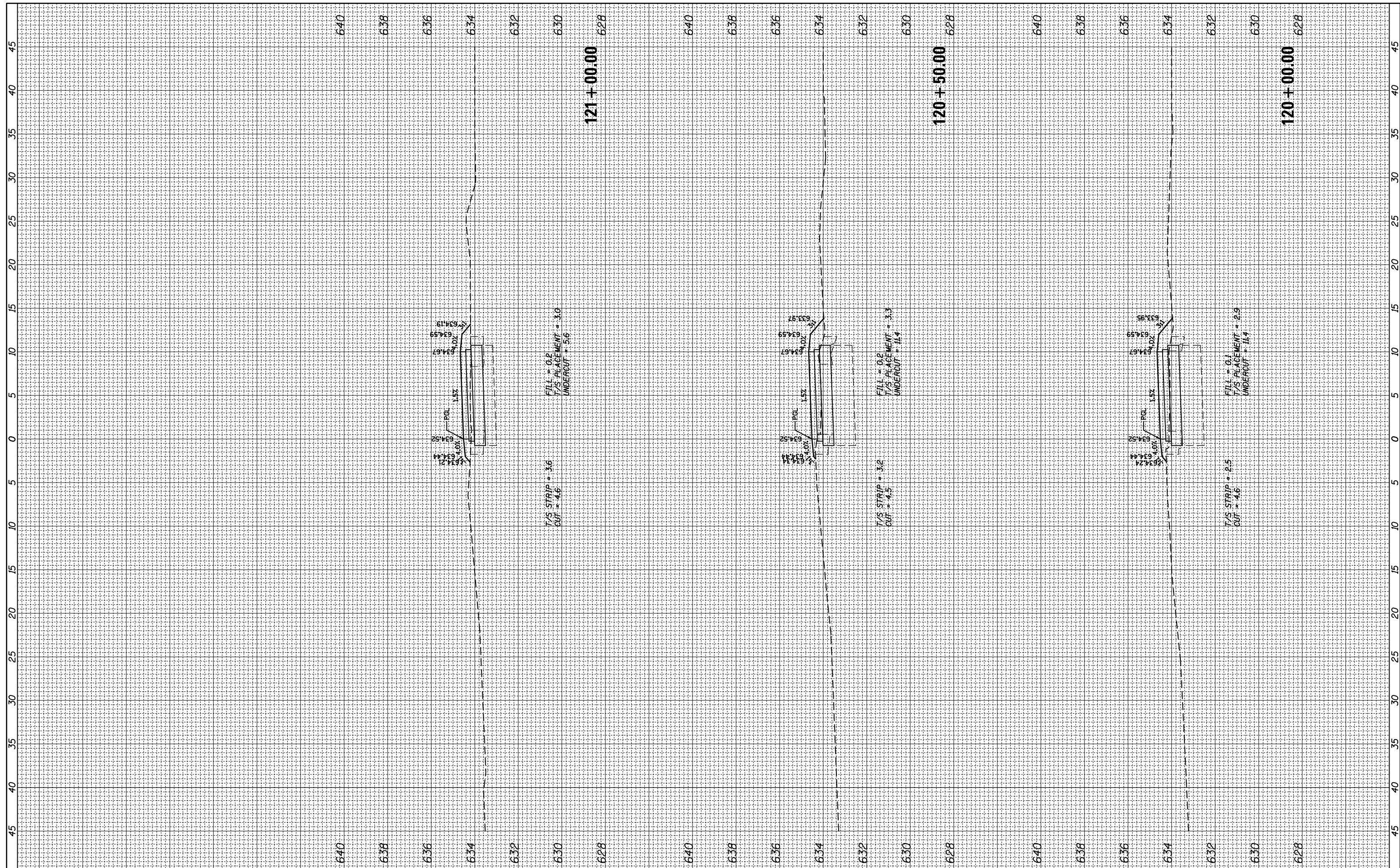
DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 118+50.00 TO STA. 119+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	90
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61118	

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

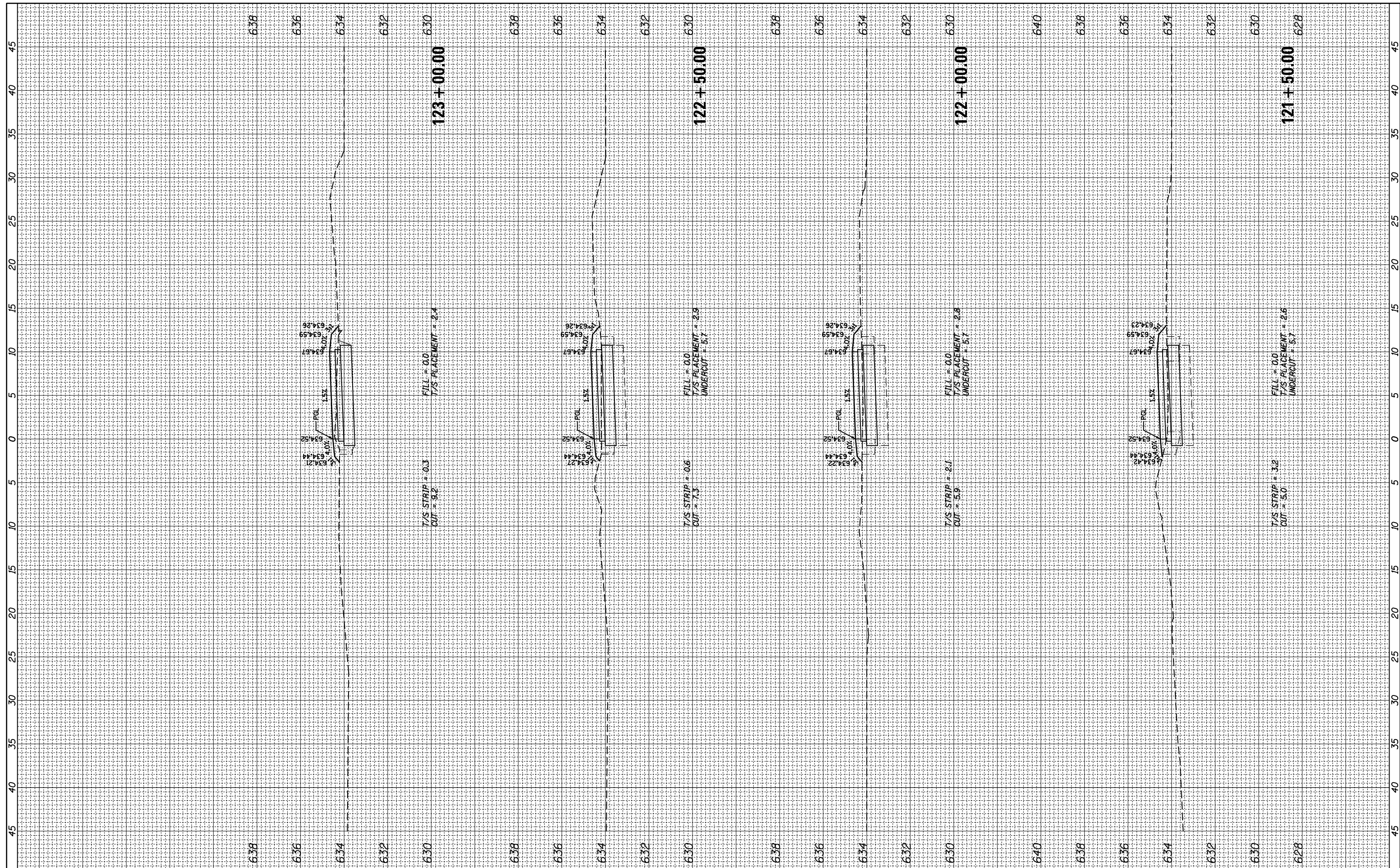
DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 120+00.00 TO STA. 121+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	91
CONTRACT NO. 61J18				
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		
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

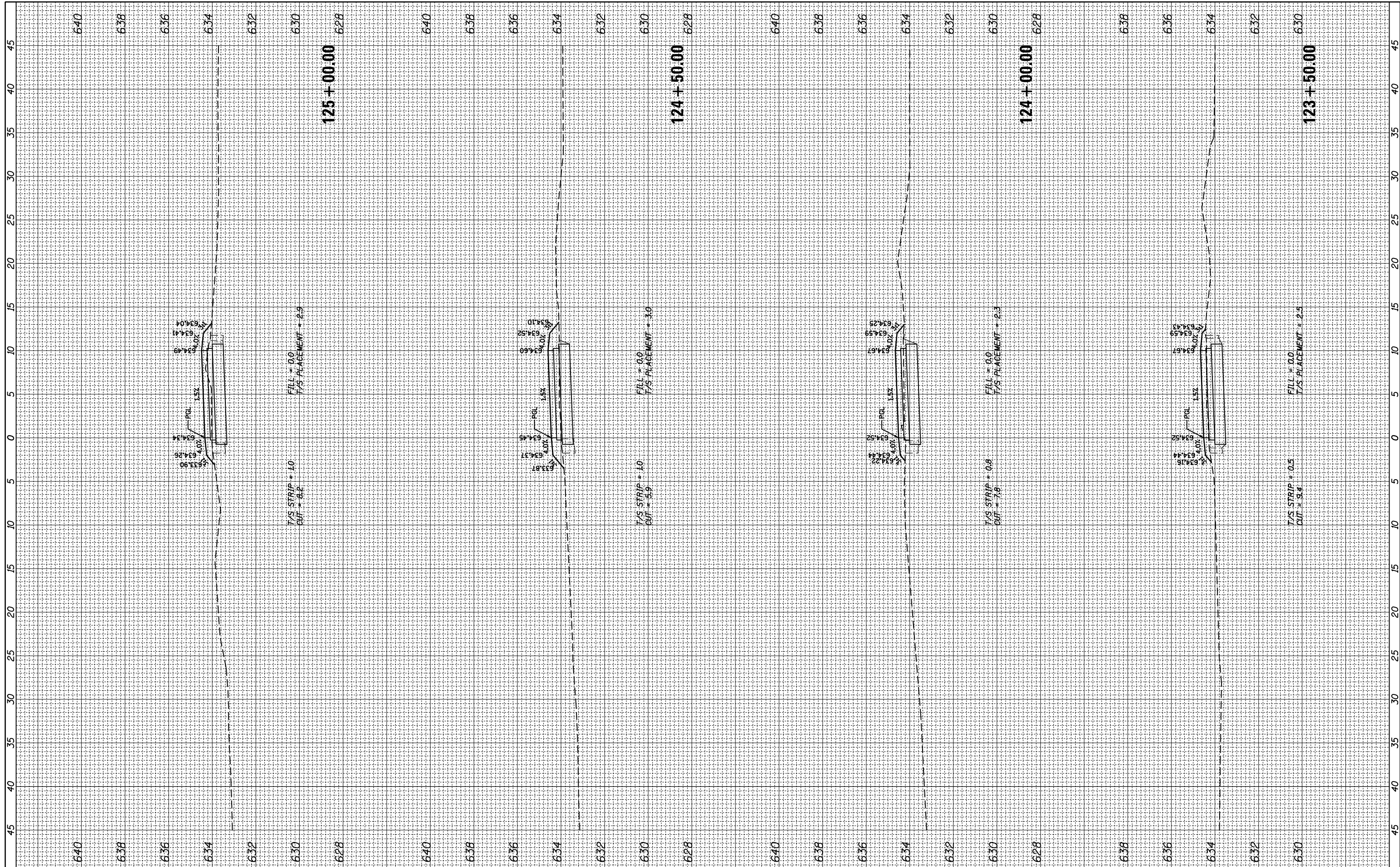
DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 121+50.00 TO STA. 123+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	92
			CONTRACT NO. 61J18	
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**

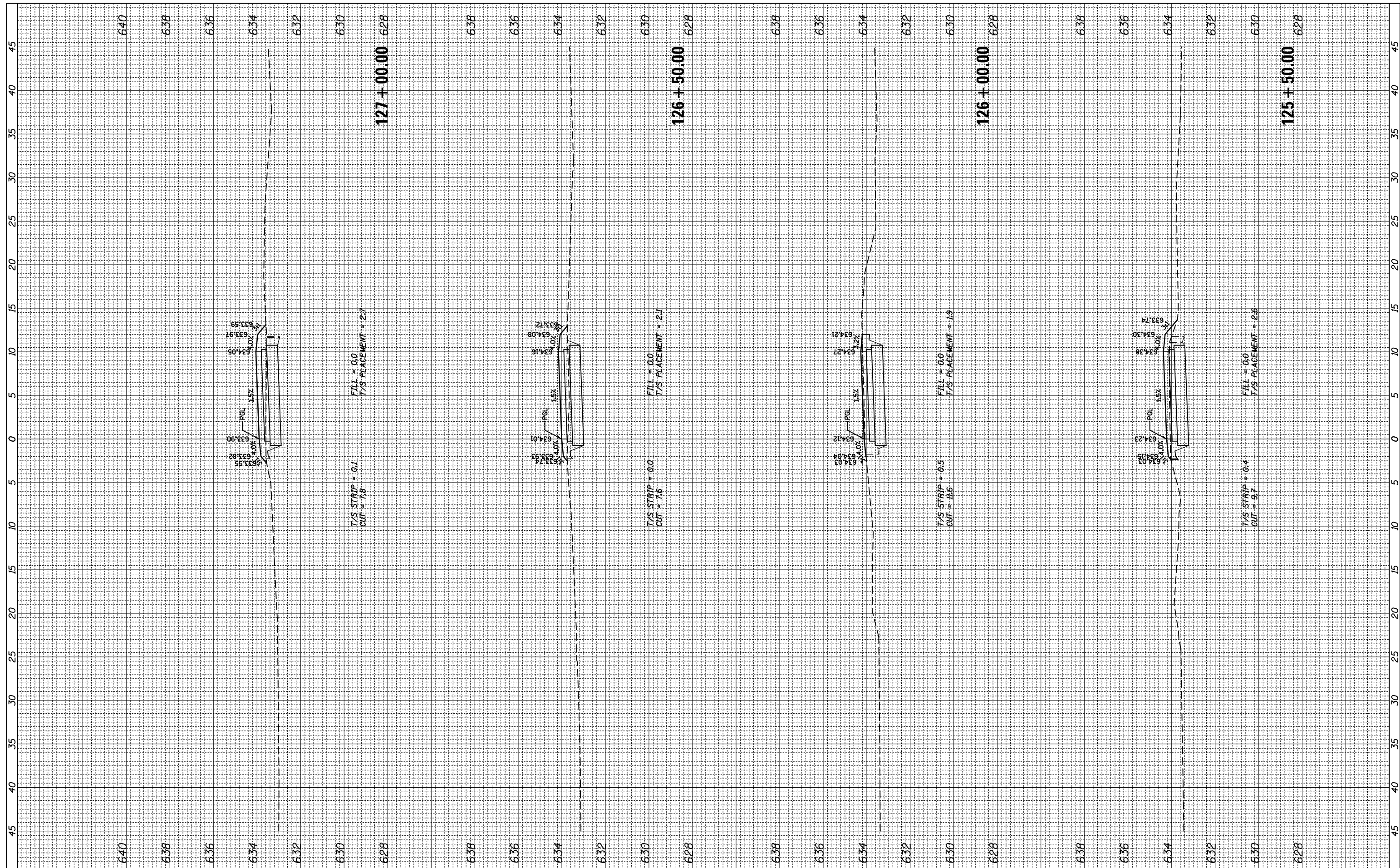
**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 123+50.00 TO STA. 125+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	93
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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



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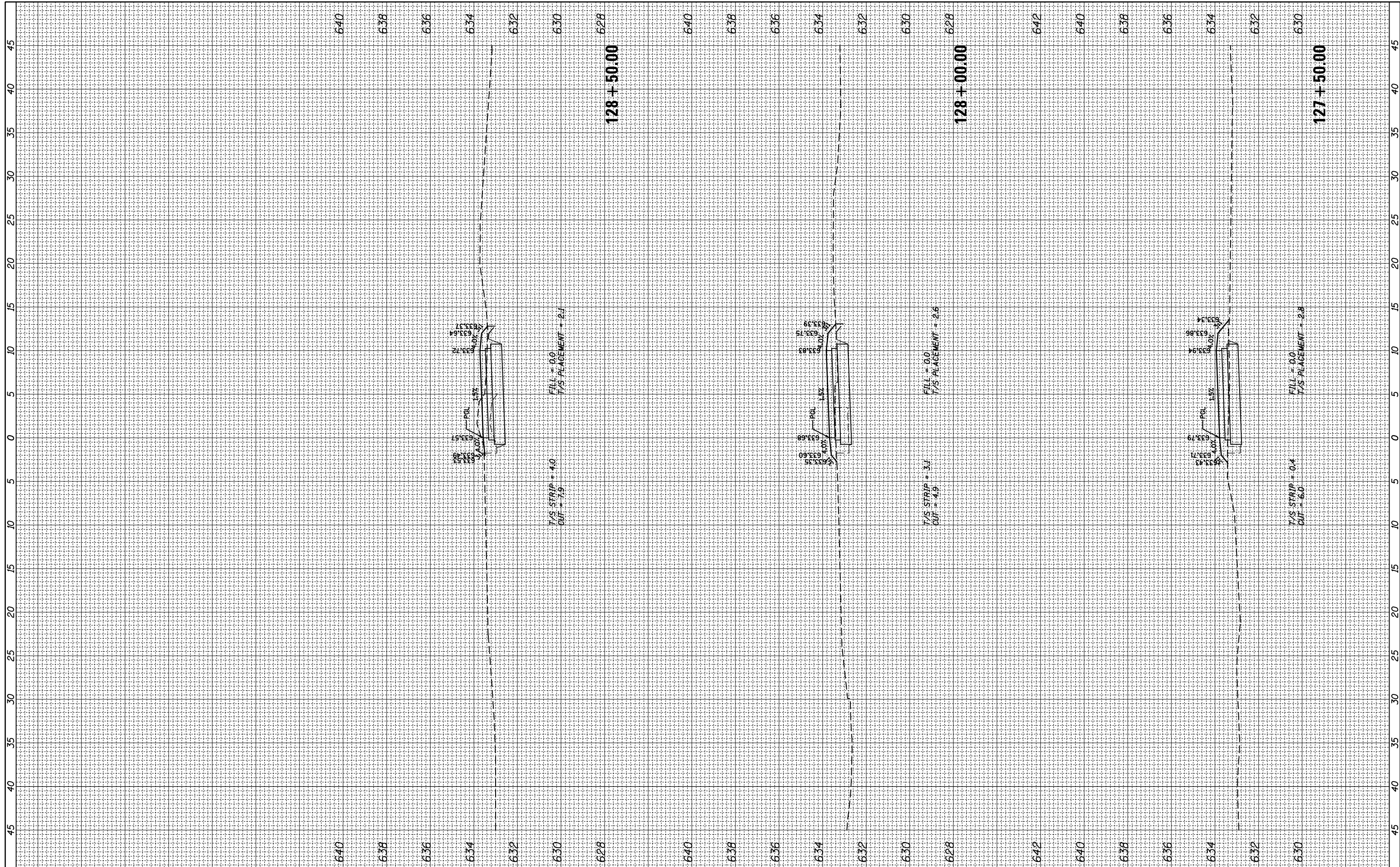
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 125+50.00 TO STA. 127+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	94
CONTRACT NO. 61J18				
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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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

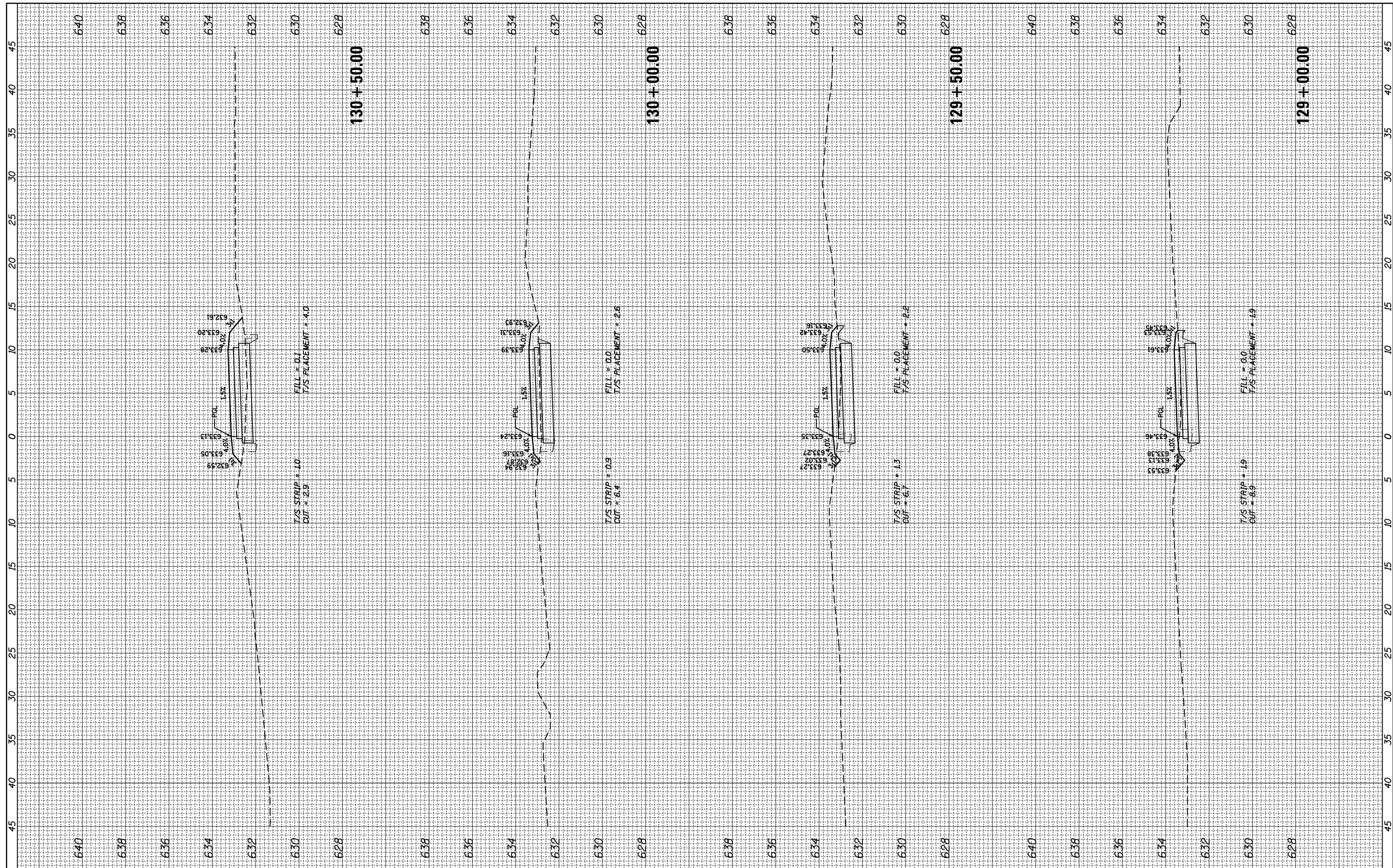
**DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 127+50.00 TO STA. 128+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	95
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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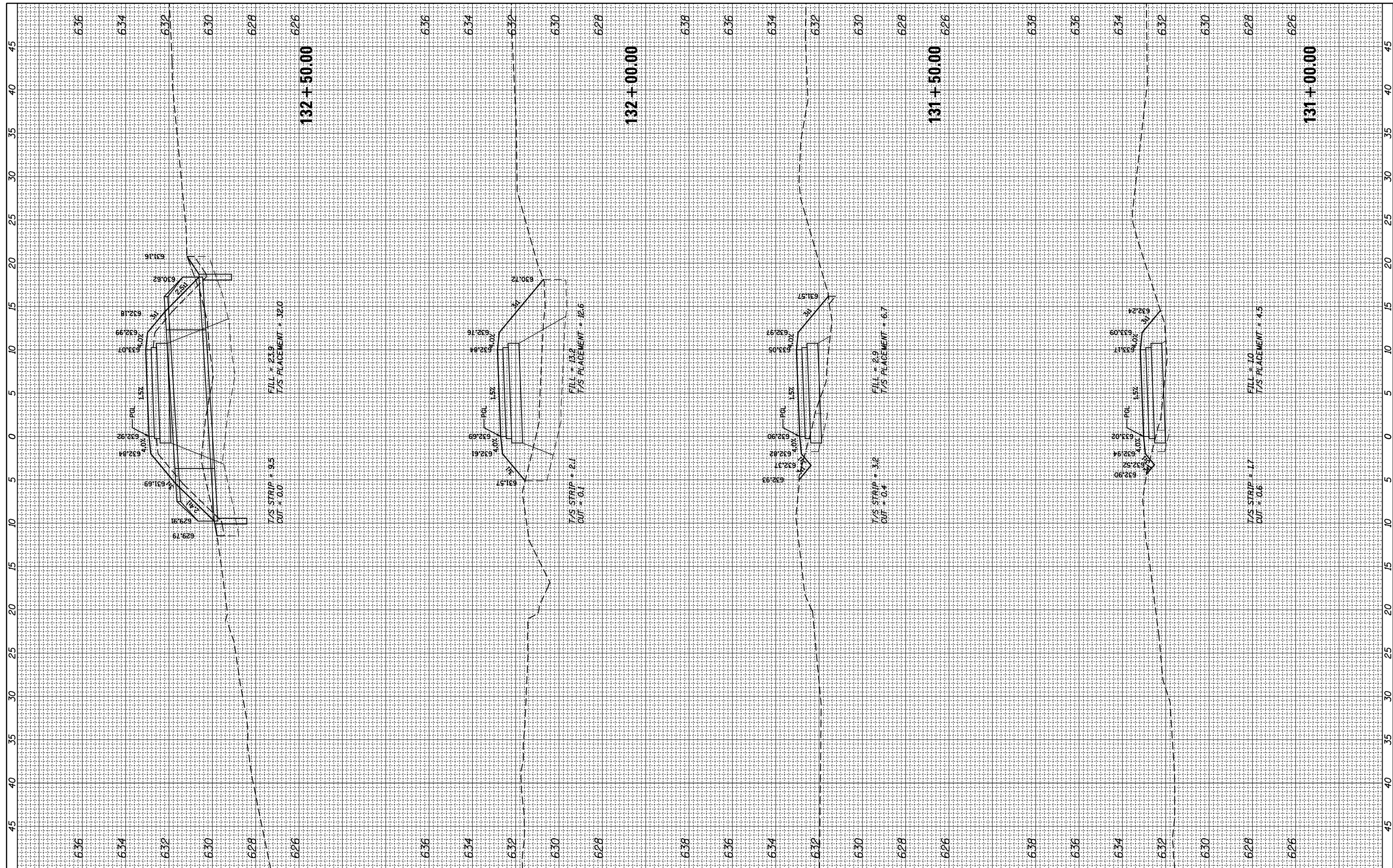
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 129+00.00 TO STA. 130+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	96
CONTRACT NO. 6118				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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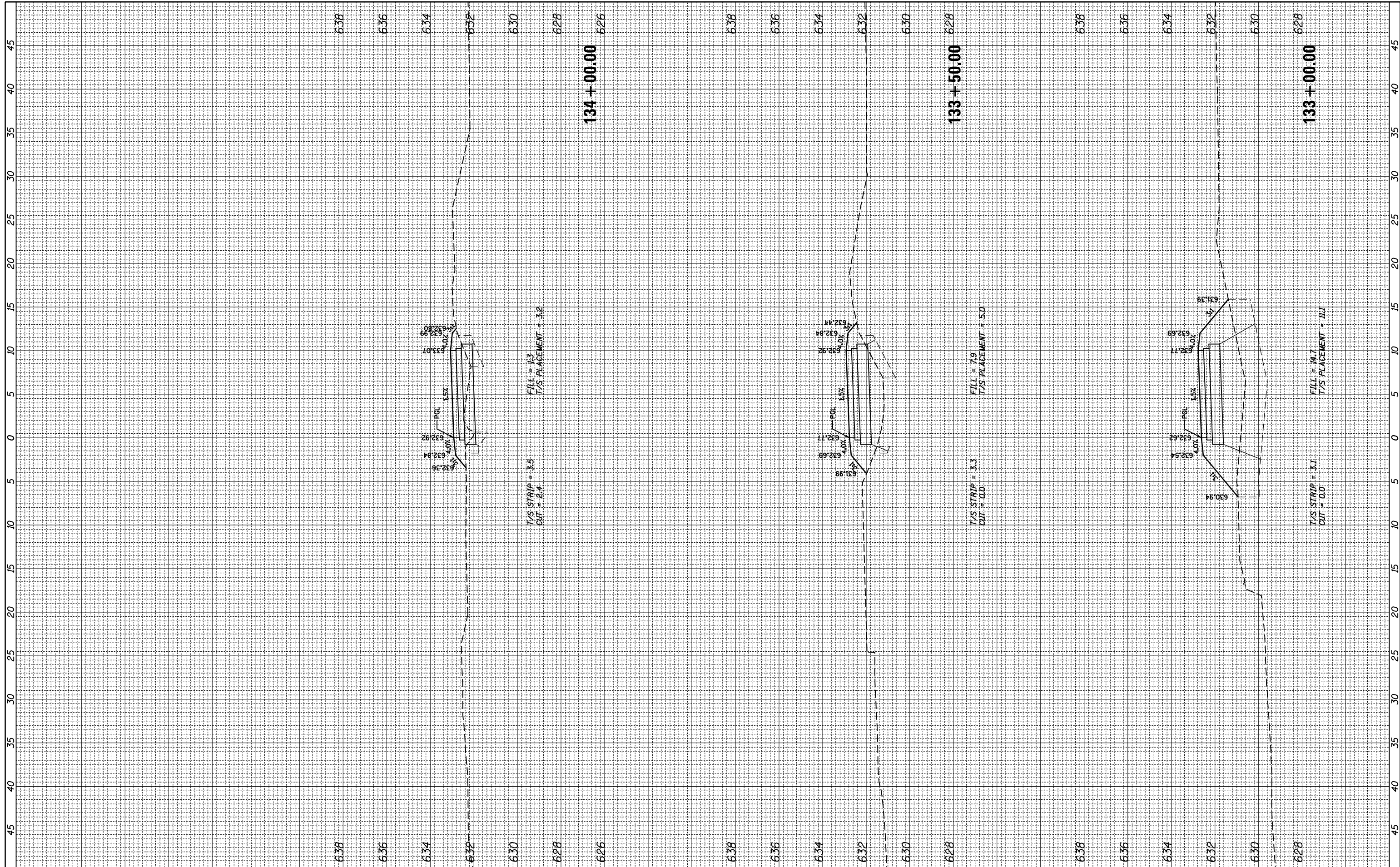
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 131+00.00 TO STA. 132+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	97
CONTRACT NO. 61J18				
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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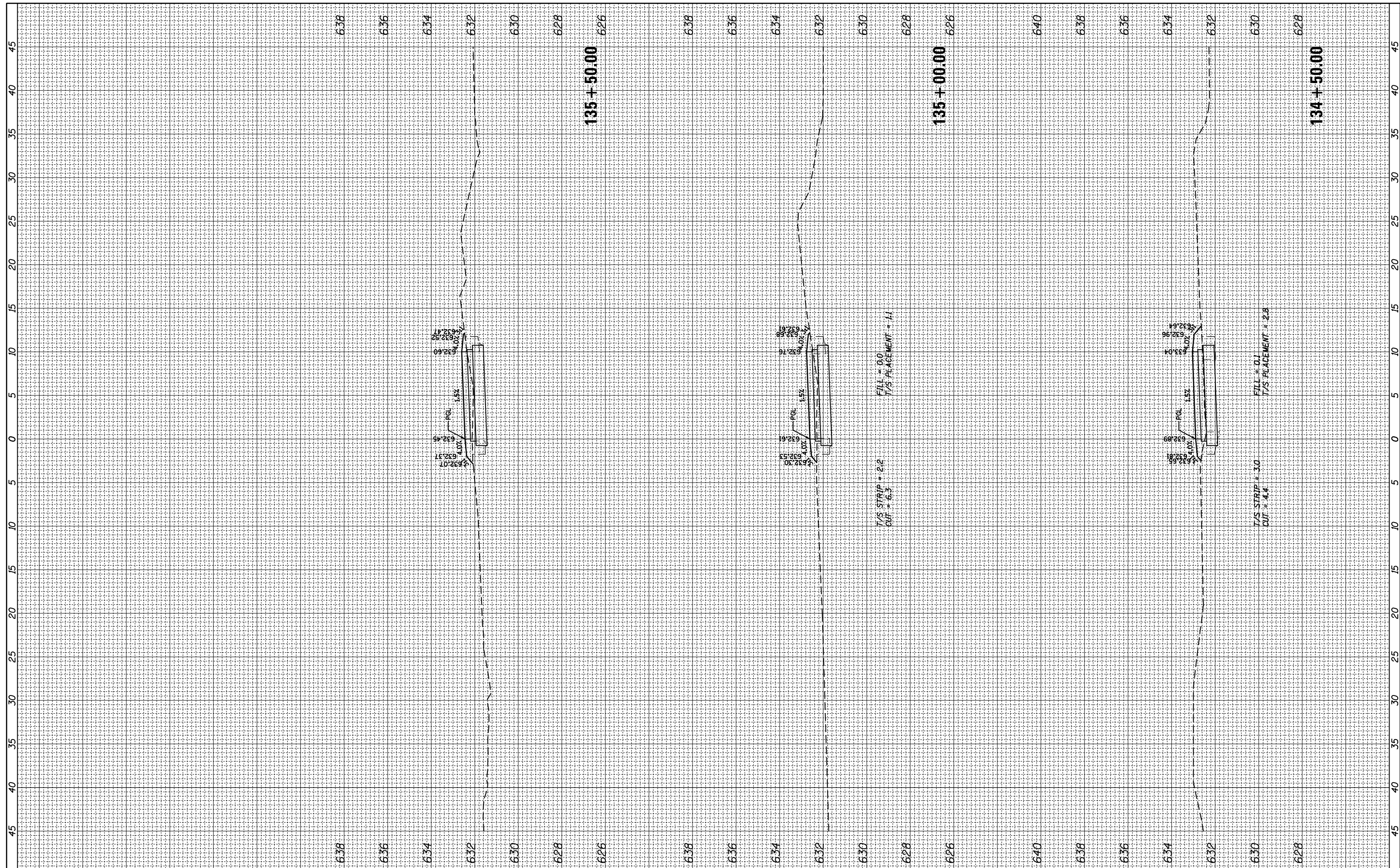
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 133+00.00 TO STA. 134+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	98
CONTRACT NO. 61118				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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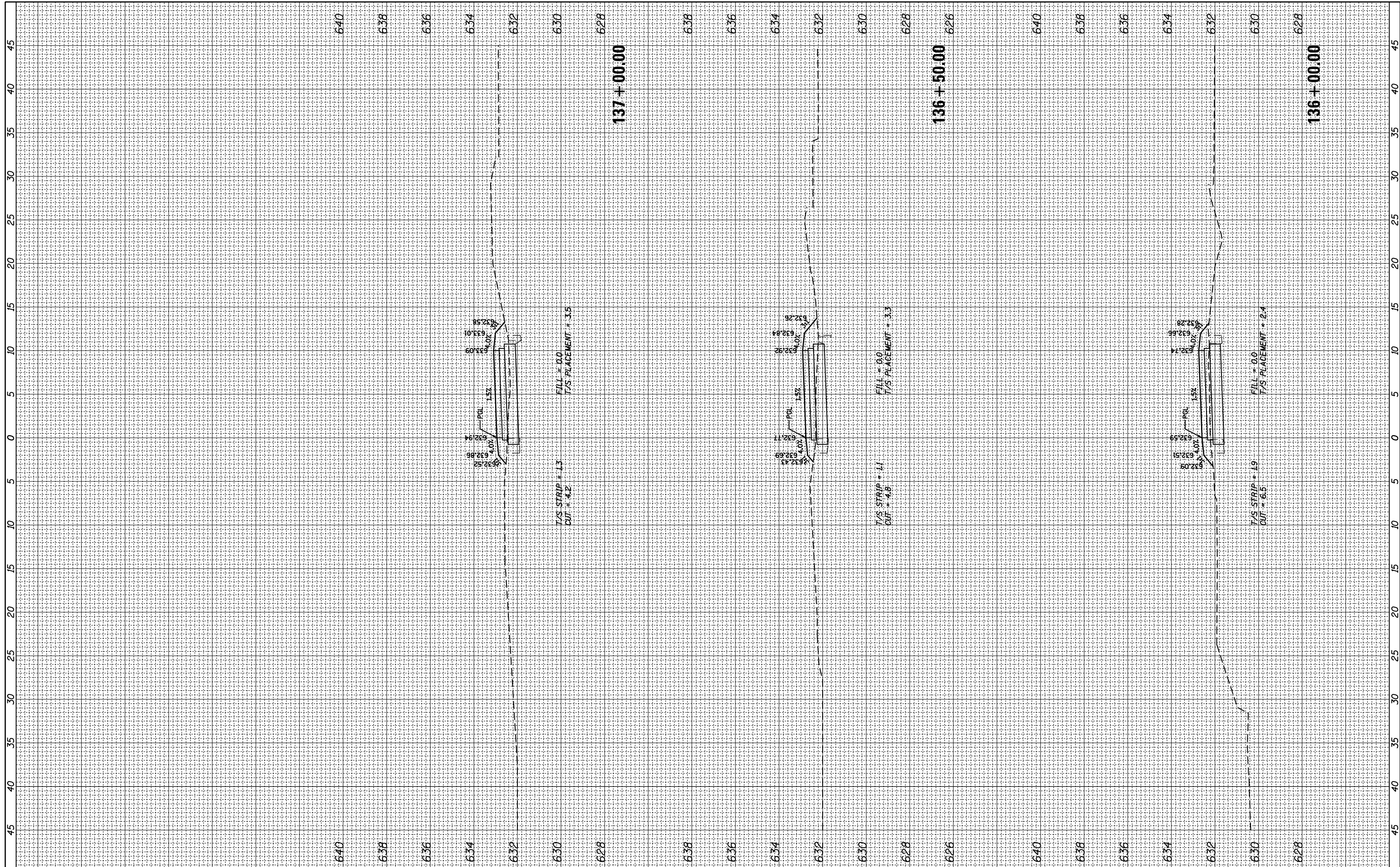
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	99
			CONTRACT NO. 61J18	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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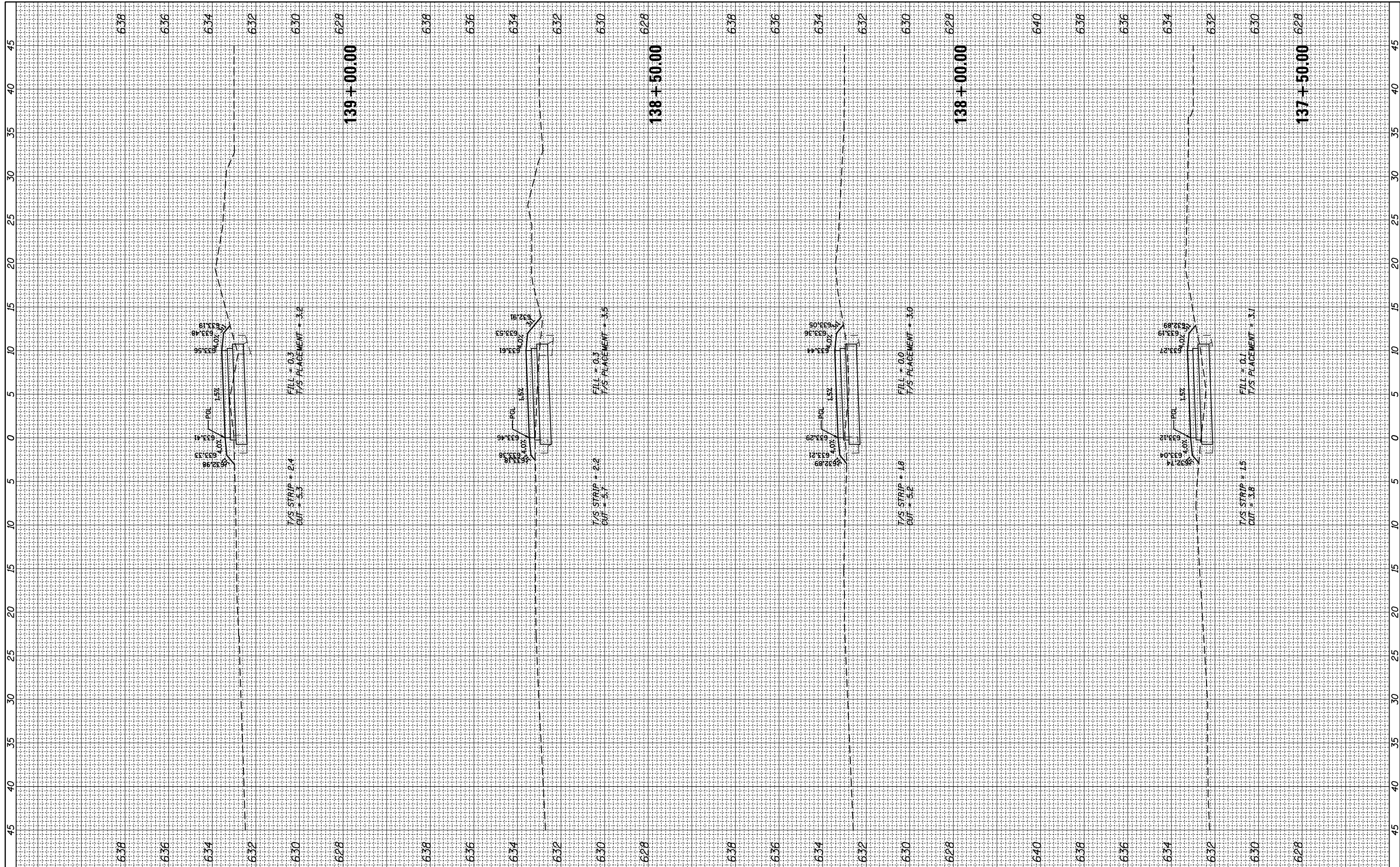
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 136+00.00 TO STA. 137+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	100
			CONTRACT NO. 61J18	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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NOTE BOOK	PLOTTED		
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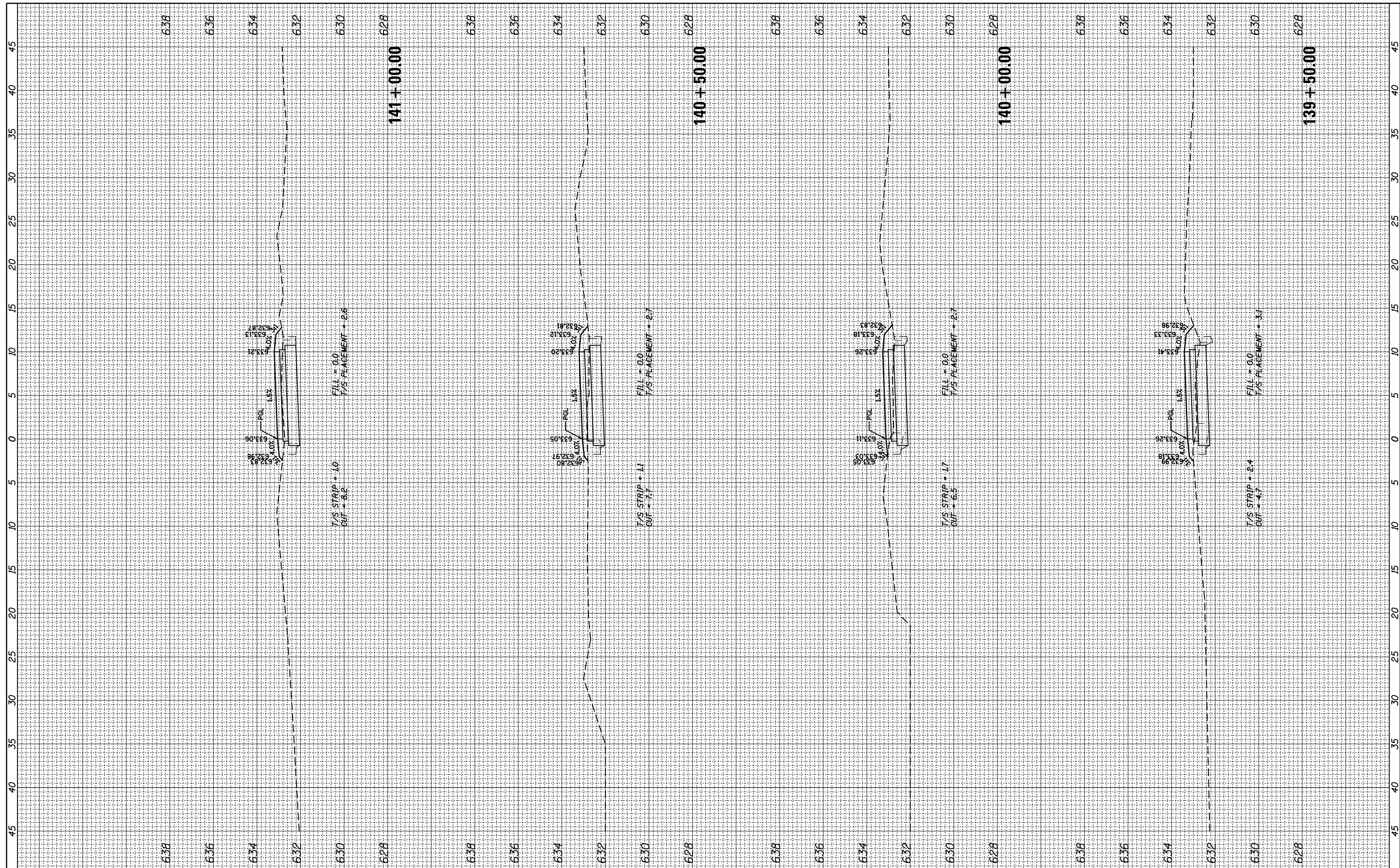
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 137+50.00 TO STA. 139+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	101
			CONTRACT NO. 61J18	
ILLINOIS FED. AID PROJECT				

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



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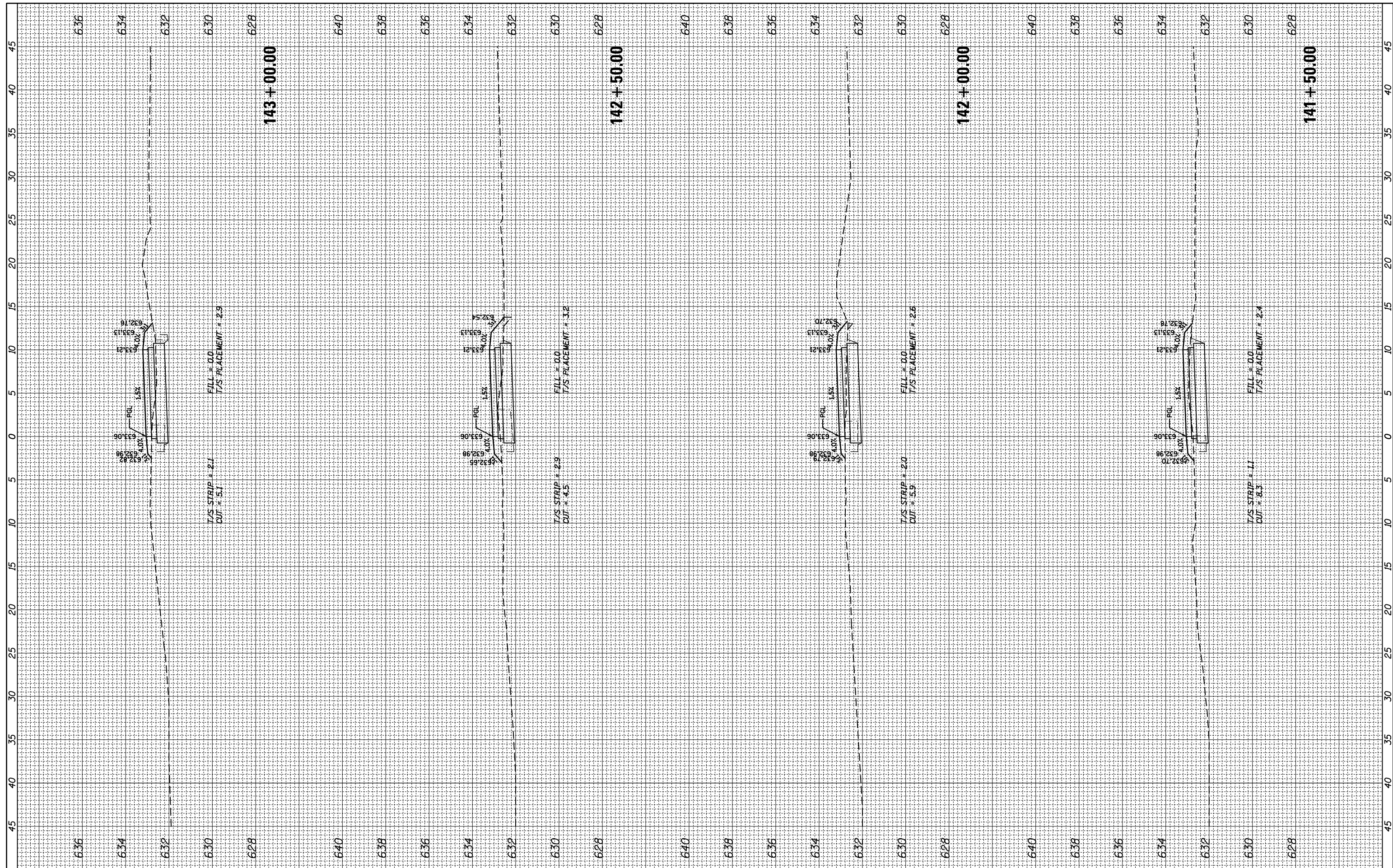
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 139+50.00 TO STA. 141+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	102
			CONTRACT NO. 61J18	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

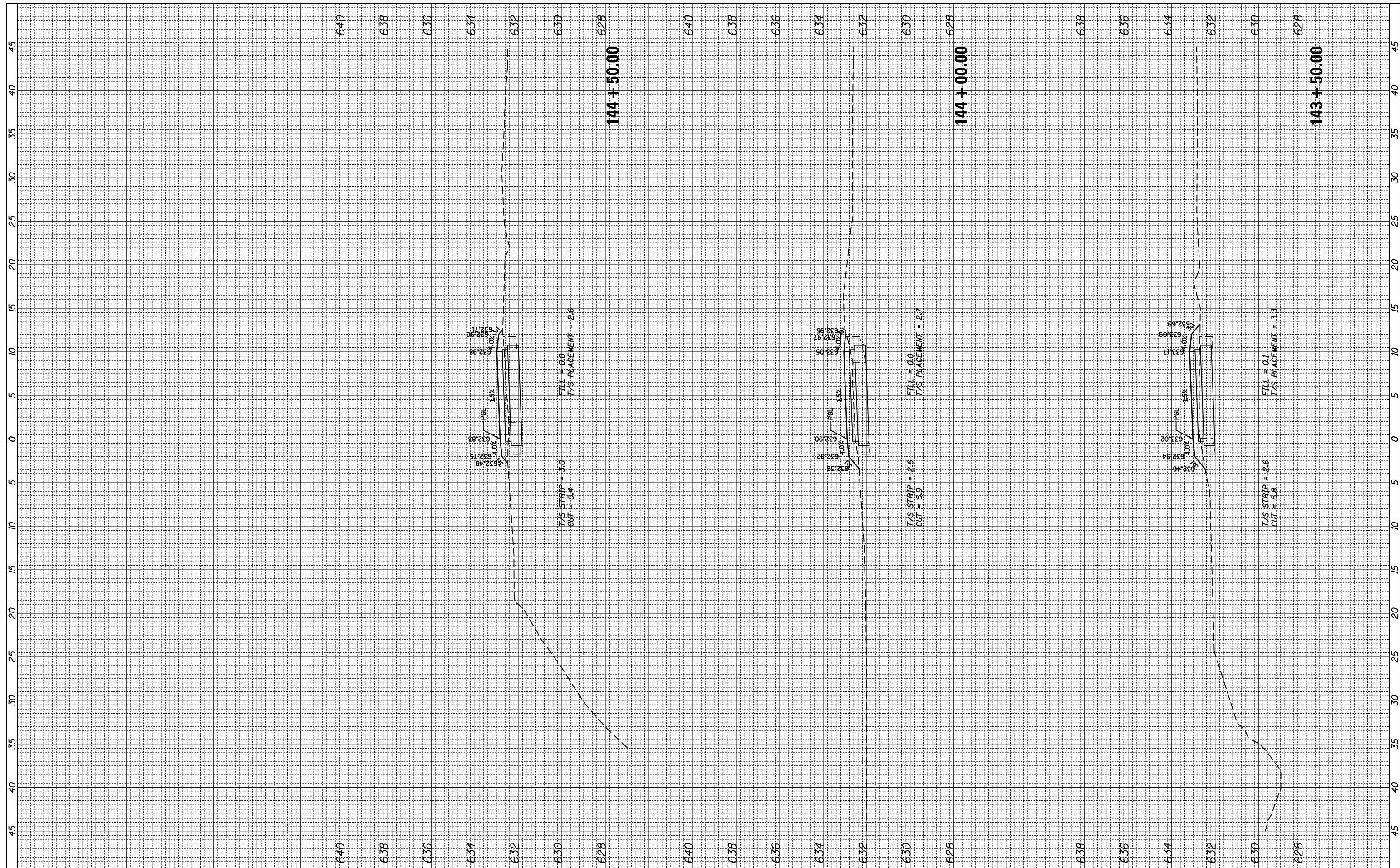
**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 141+50.00 TO STA. 142+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	103
CONTRACT NO. 61J18			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

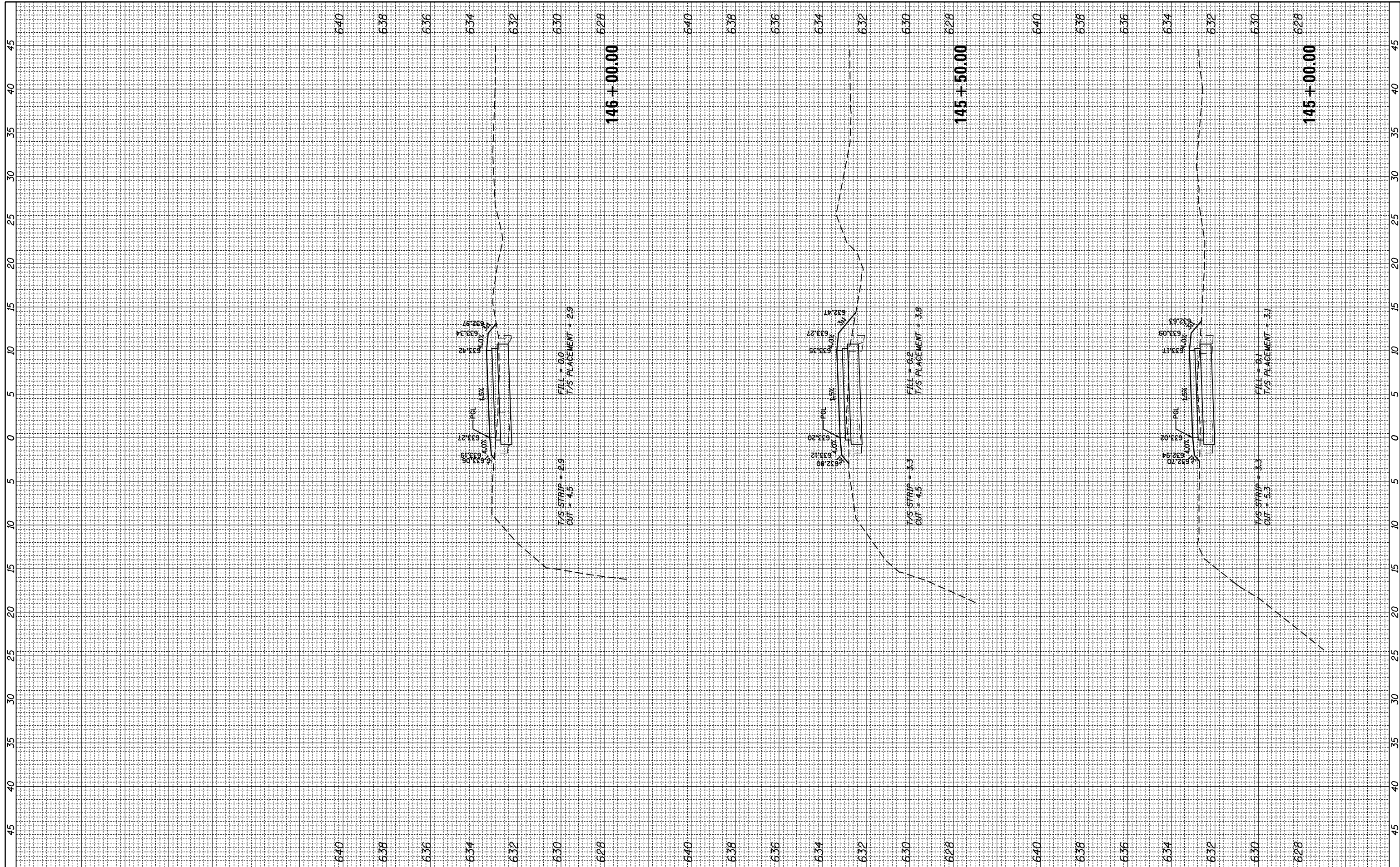
DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 143+50.00 TO STA. 144+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	104
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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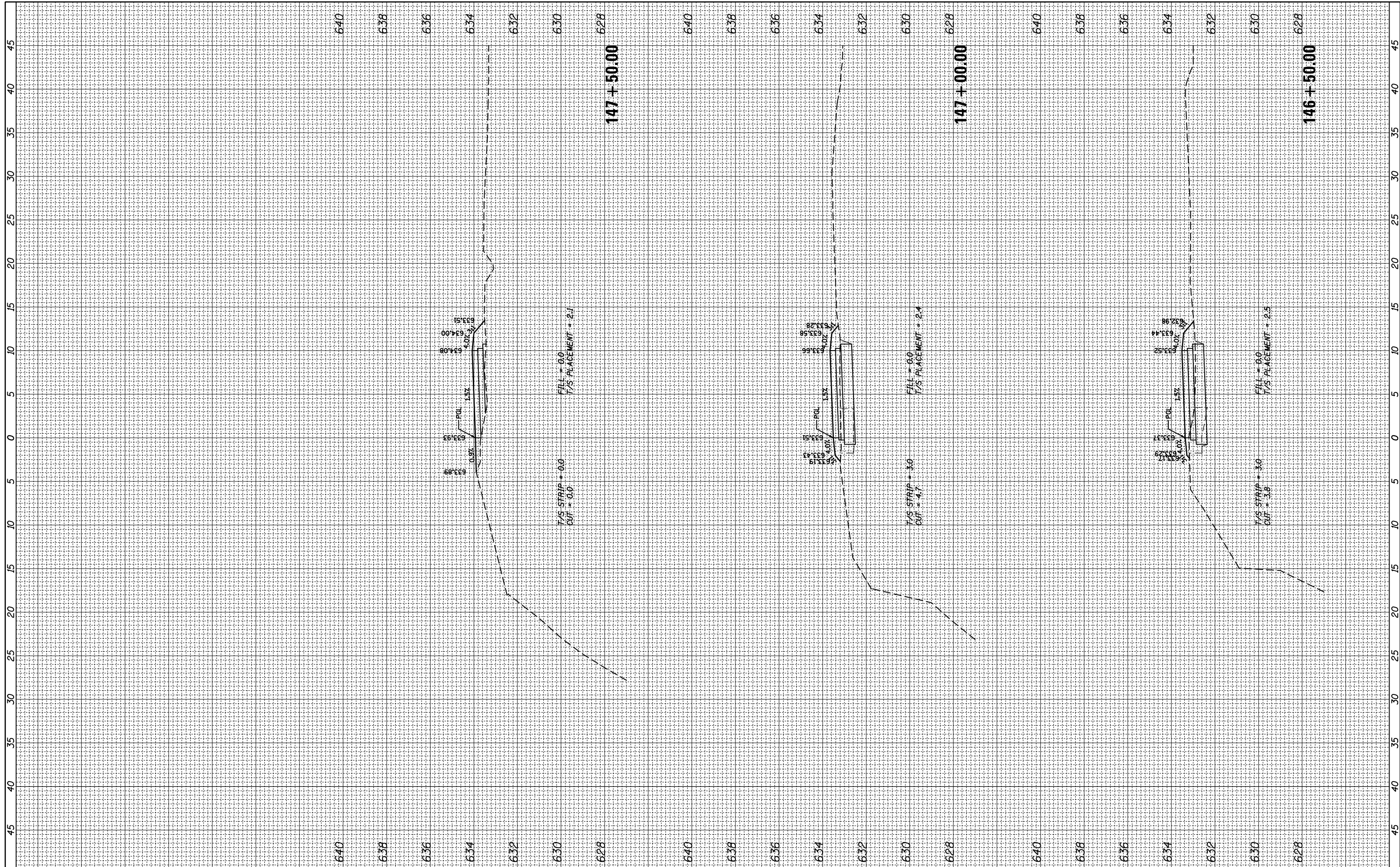
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 145+00.00 TO STA. 146+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	105
CONTRACT NO. 61J18				
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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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

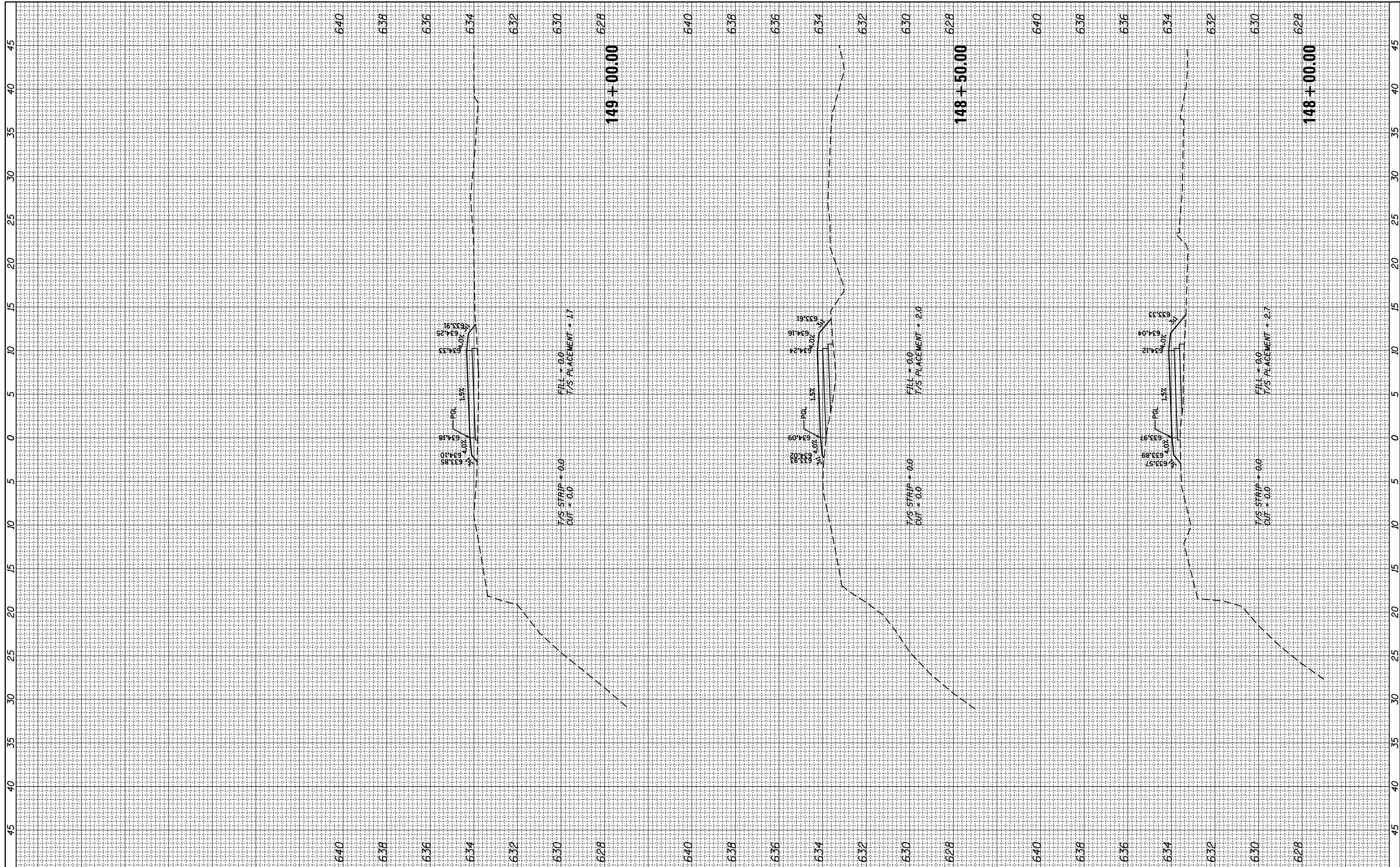
DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 146+50.00 TO STA. 147+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	106
CONTRACT NO. 61J18				
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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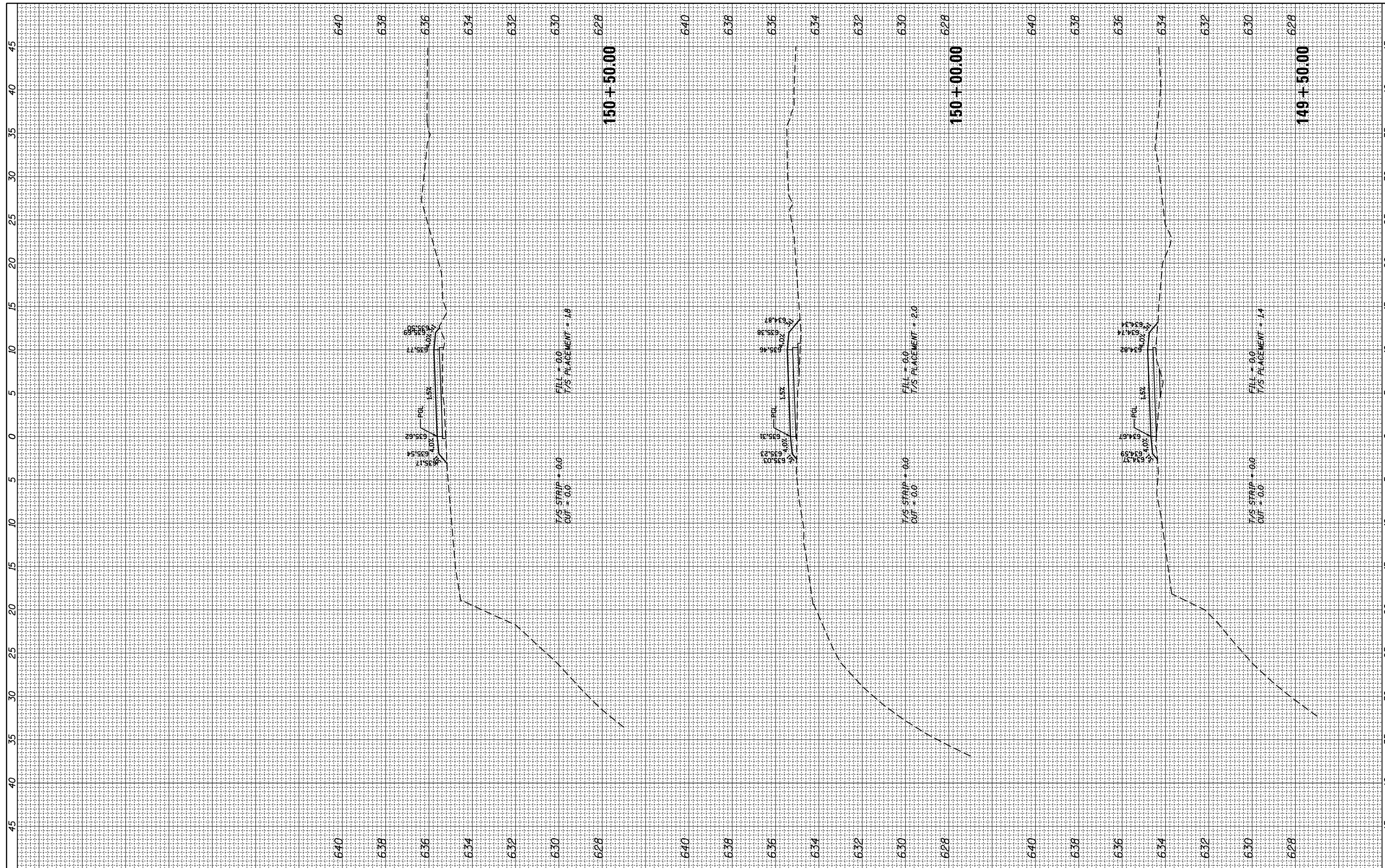
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 148+00.00 TO STA. 149+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	107
CONTRACT NO. 61J18			ILLINOIS FED. AID PROJECT	

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

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



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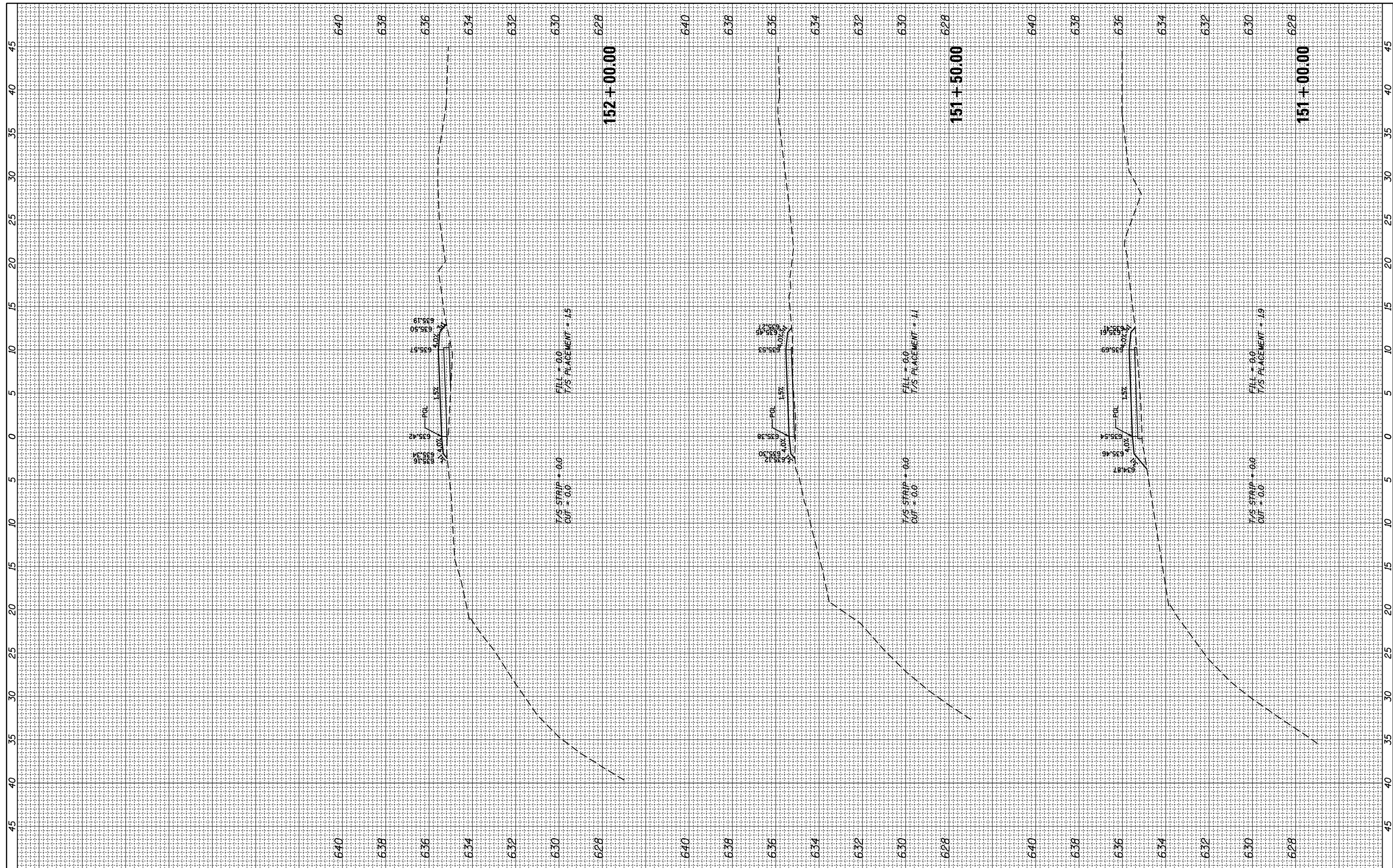
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS
SCALE: SHEET OF SHEETS STA. 149+50.00 TO STA. 150+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	108
				CONTRACT NO. 61J18
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

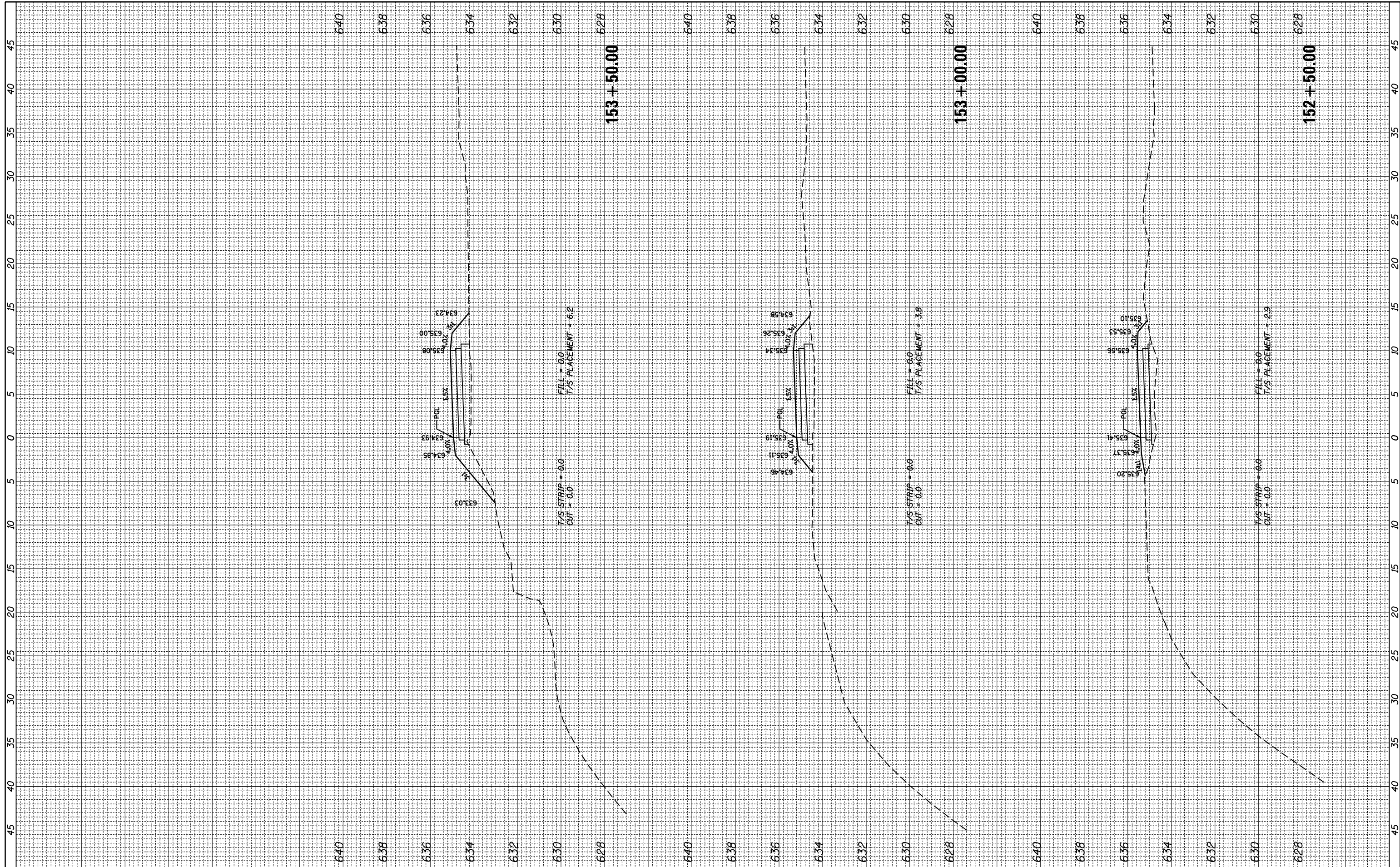
**DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 151+00.00 TO STA. 152+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	109
CONTRACT NO. 61J18			ILLINOIS FED. AID PROJECT	

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

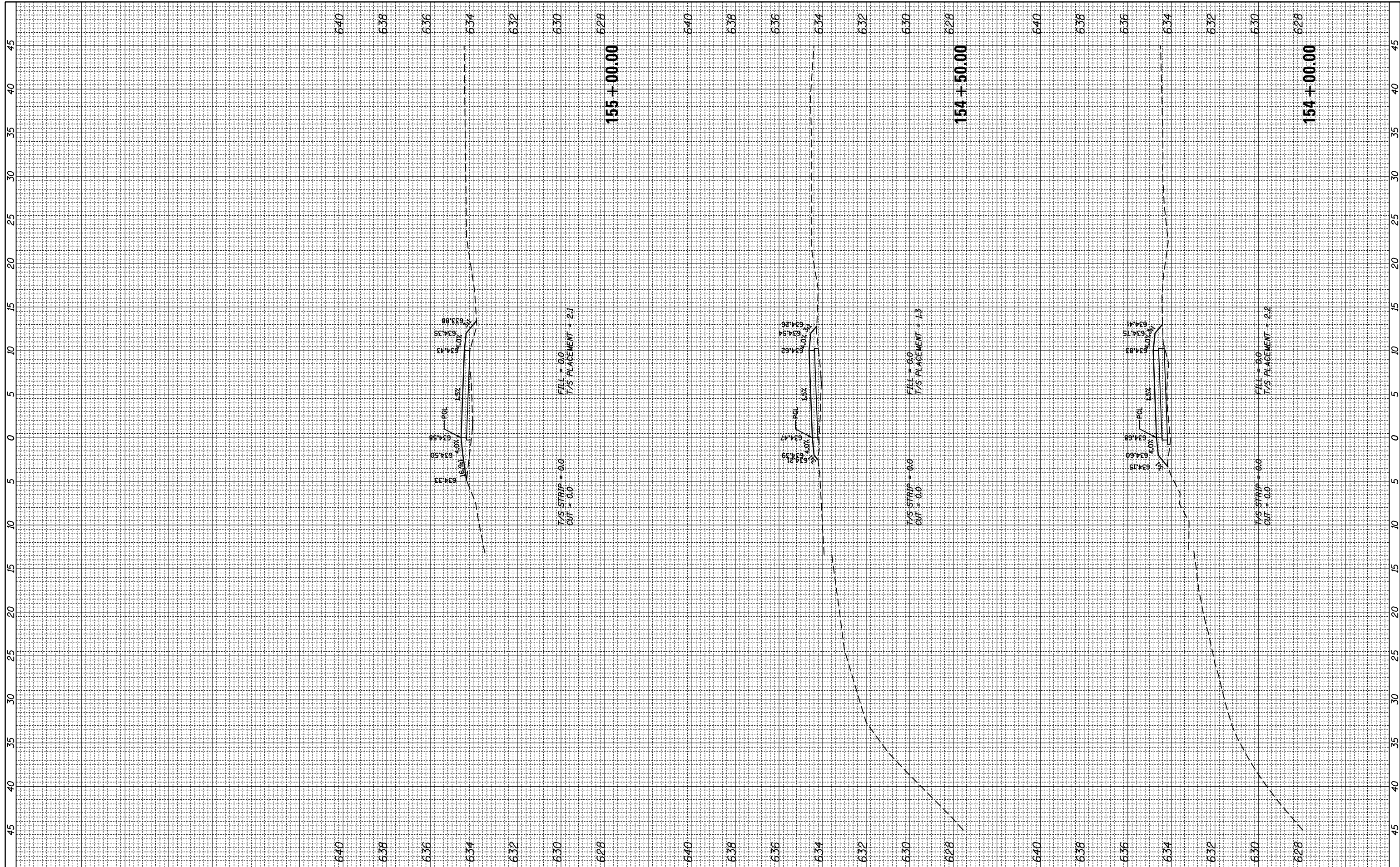
**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 152+50.00 TO STA. 153+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	110
CONTRACT NO. 6118				
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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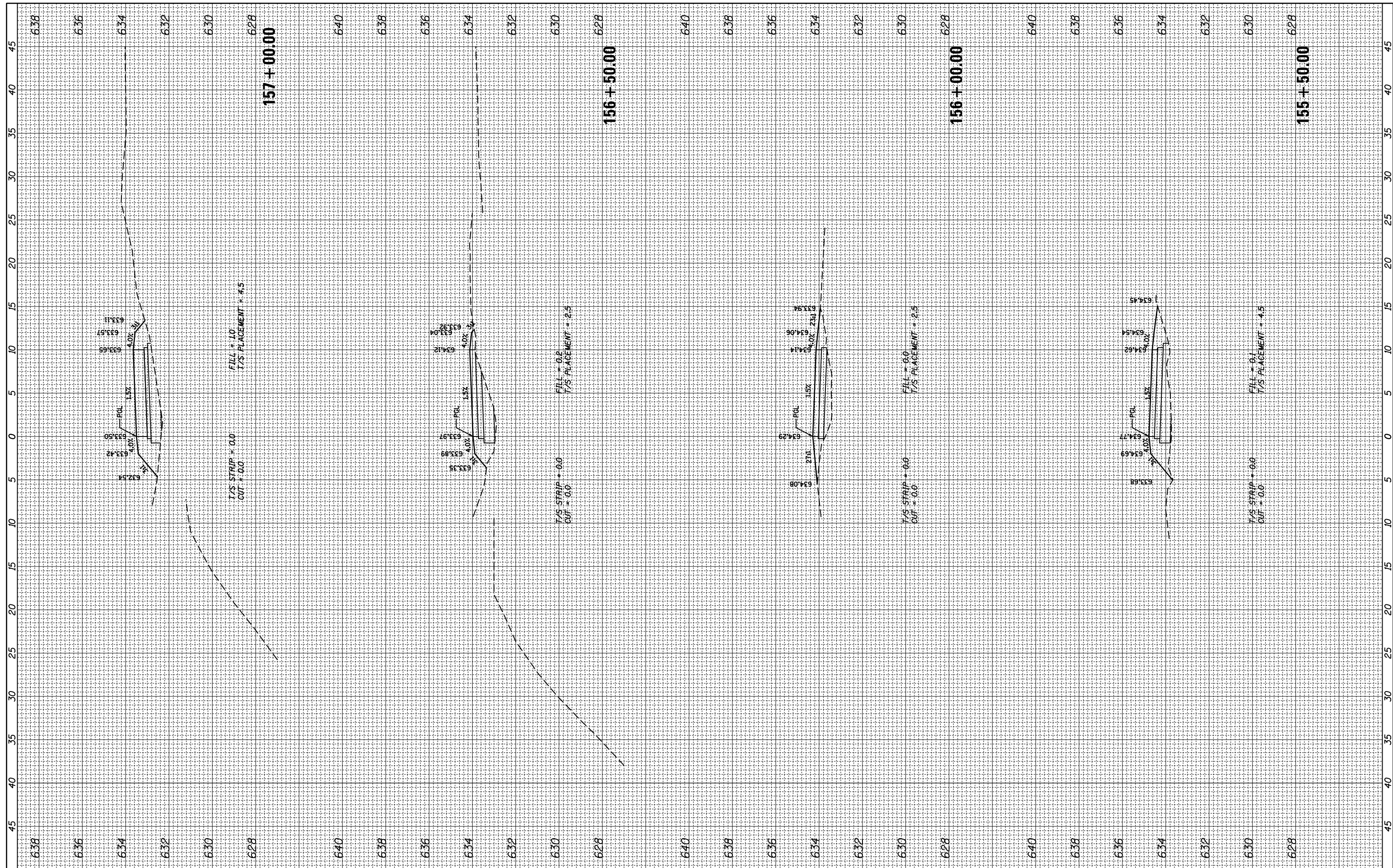
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 154+00.00 TO STA. 155+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	111
CONTRACT NO. 6118				
ILLINOIS FED. AID PROJECT				

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

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



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 155+50.00 TO STA. 156+50.00

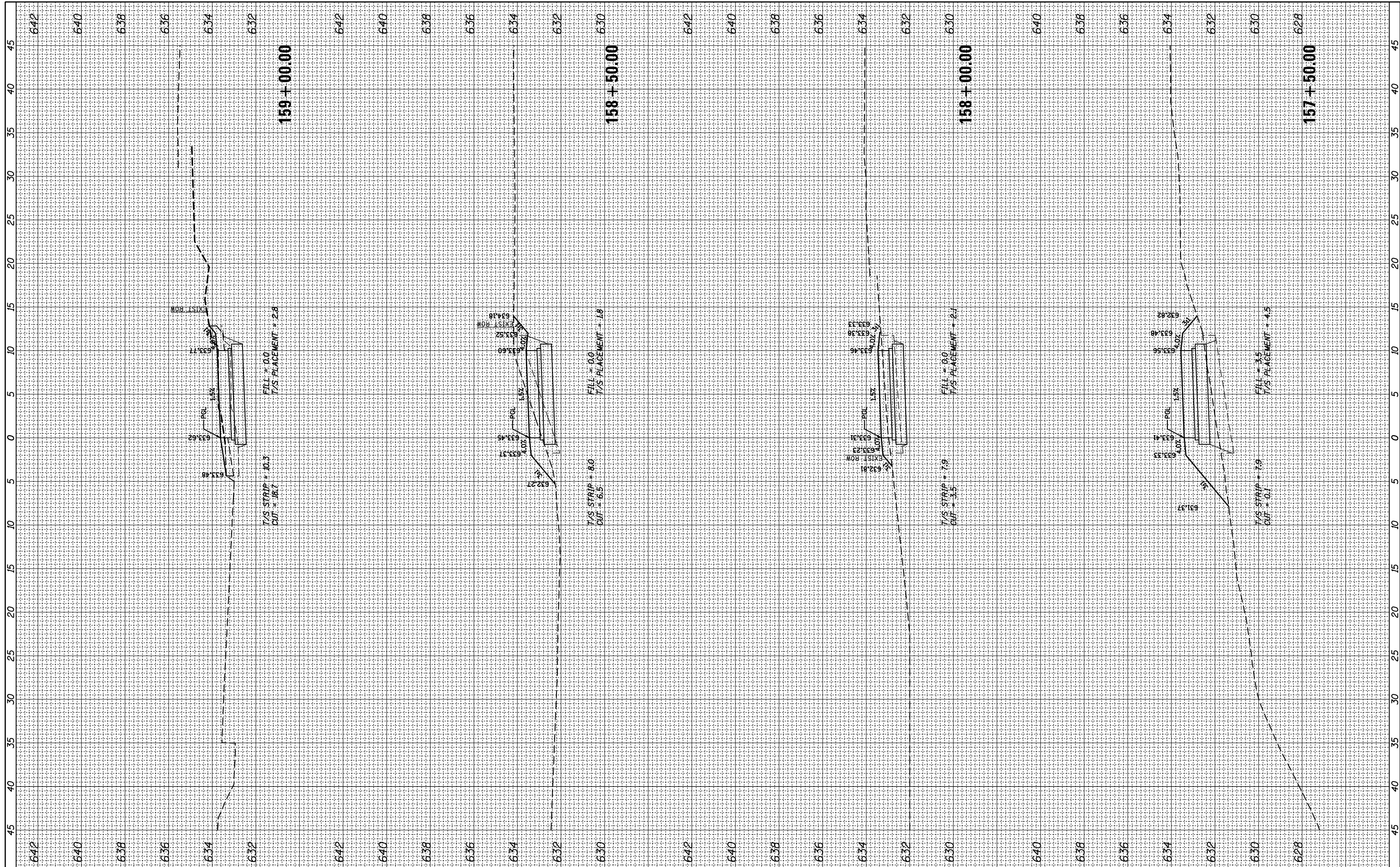
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	112
CONTRACT NO. 6118			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

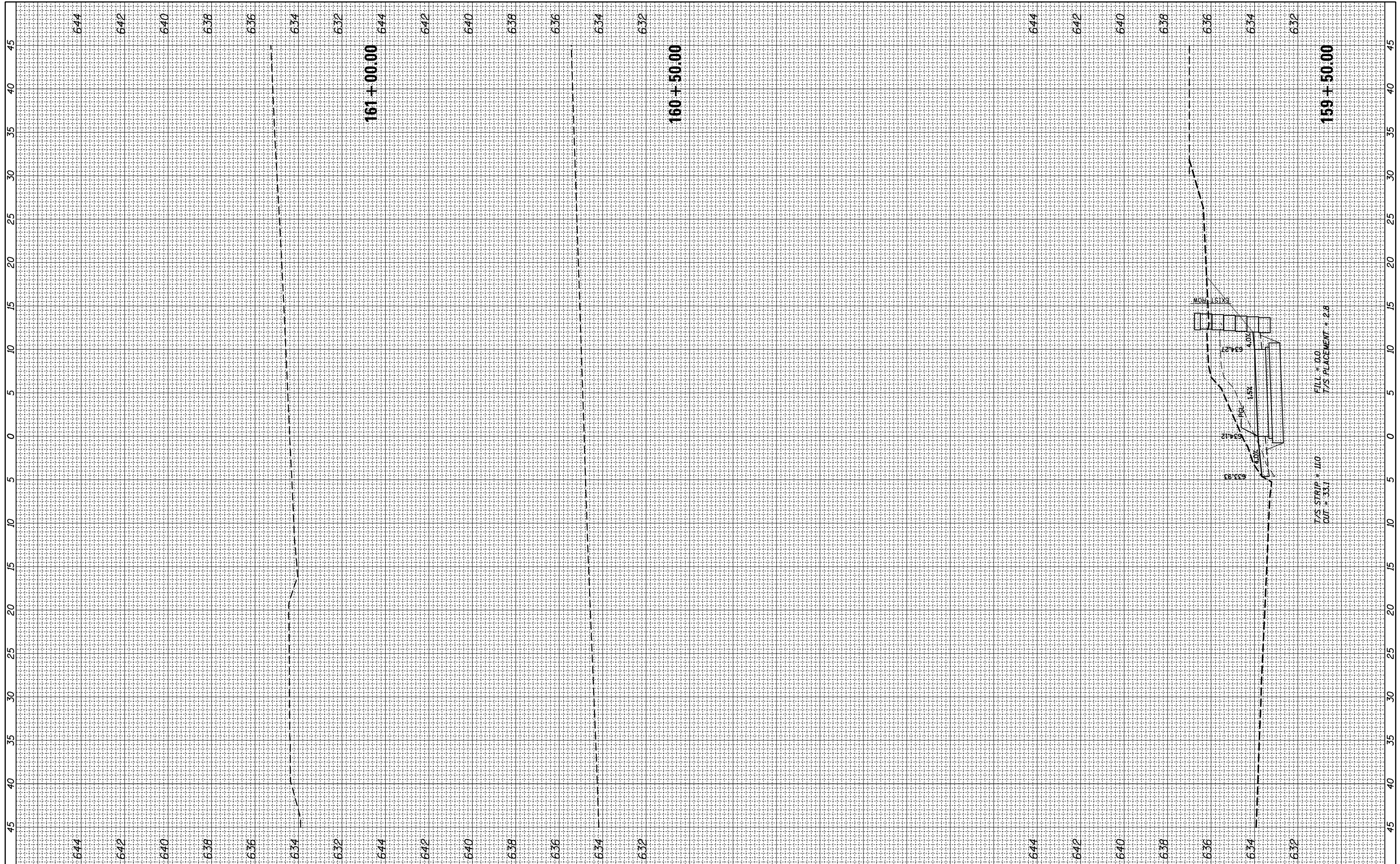
DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 157+50.00 TO STA. 159+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	113
			CONTRACT NO. 6118	
ILLINOIS FED. AID PROJECT				

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

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



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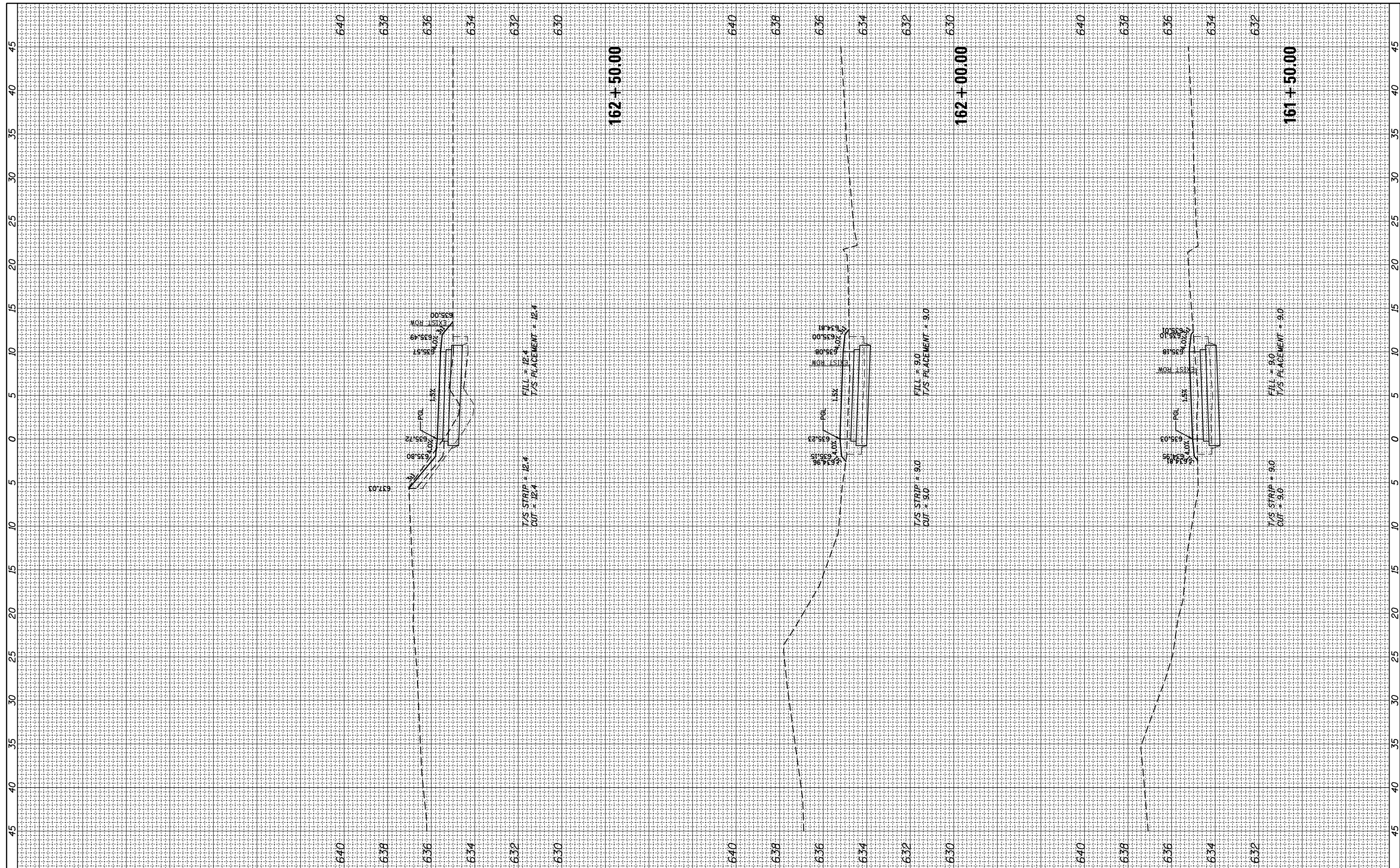
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 159+50.00 TO STA. 161+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	114
CONTRACT NO. 61J18				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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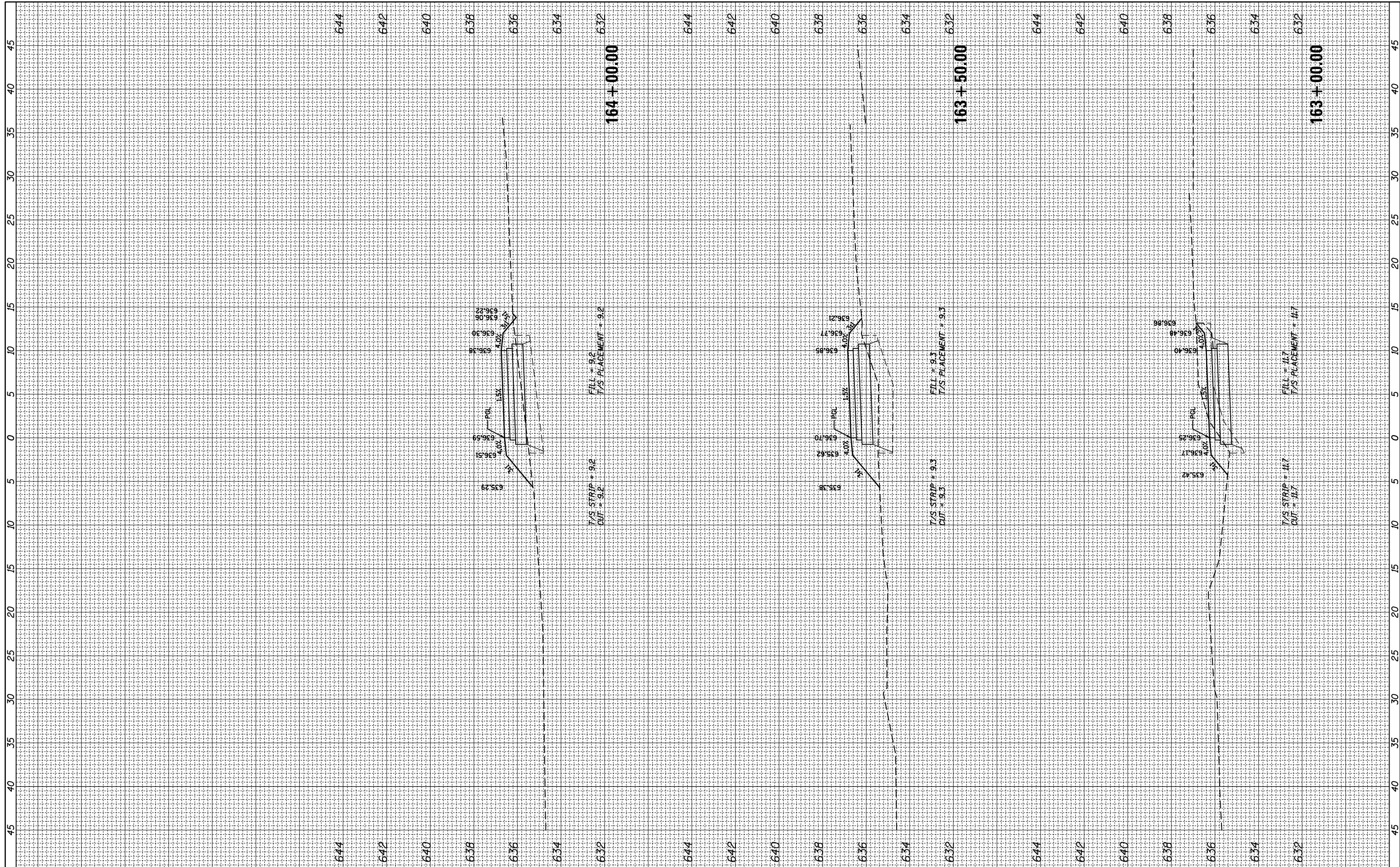
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**
 SCALE: SHEET OF SHEETS STA. 161+50.00 TO STA. 162+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	115
			CONTRACT NO. 61J18	
ILLINOIS FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

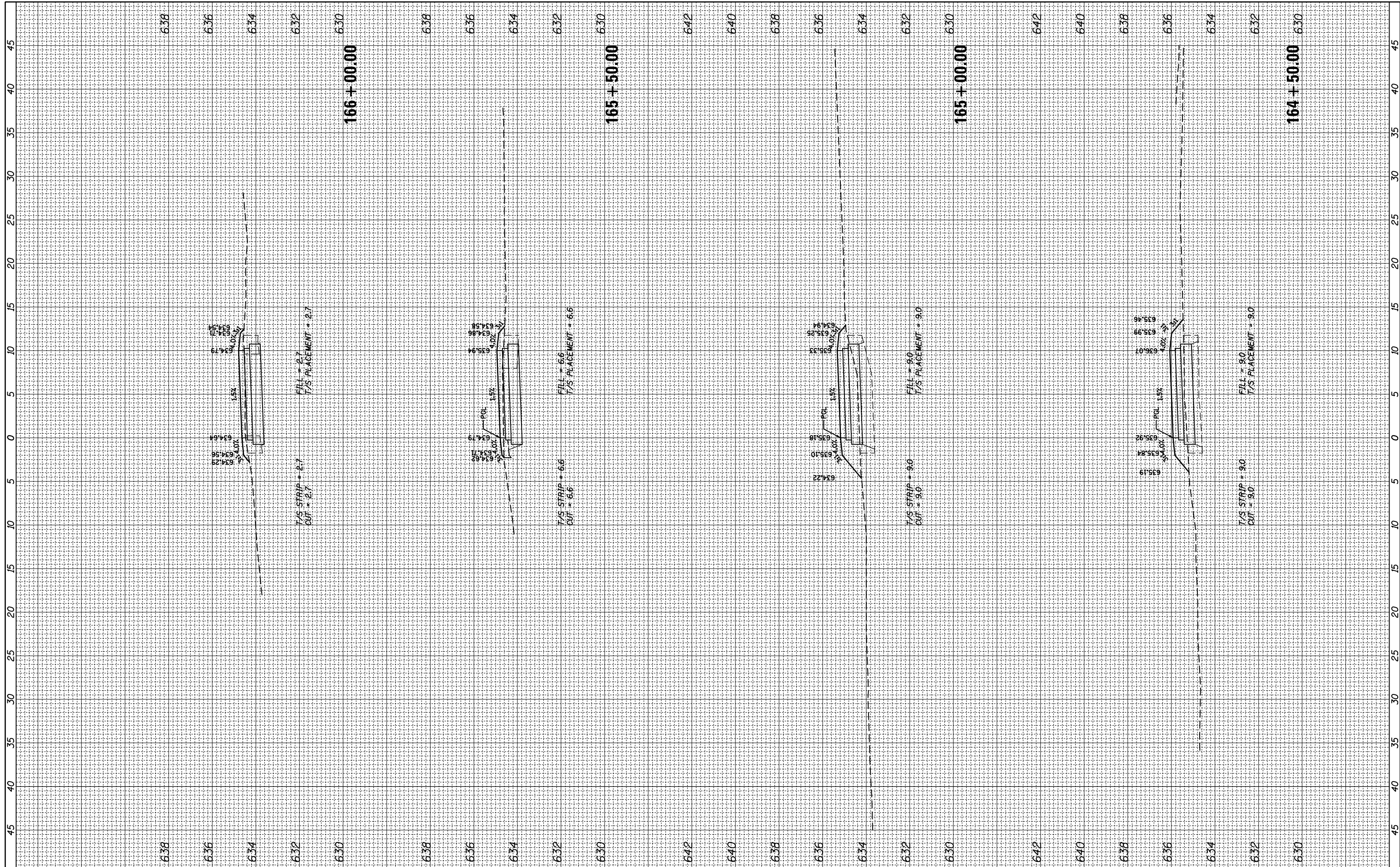
**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 163+00.00 TO STA. 164+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	116
CONTRACT NO. 61118				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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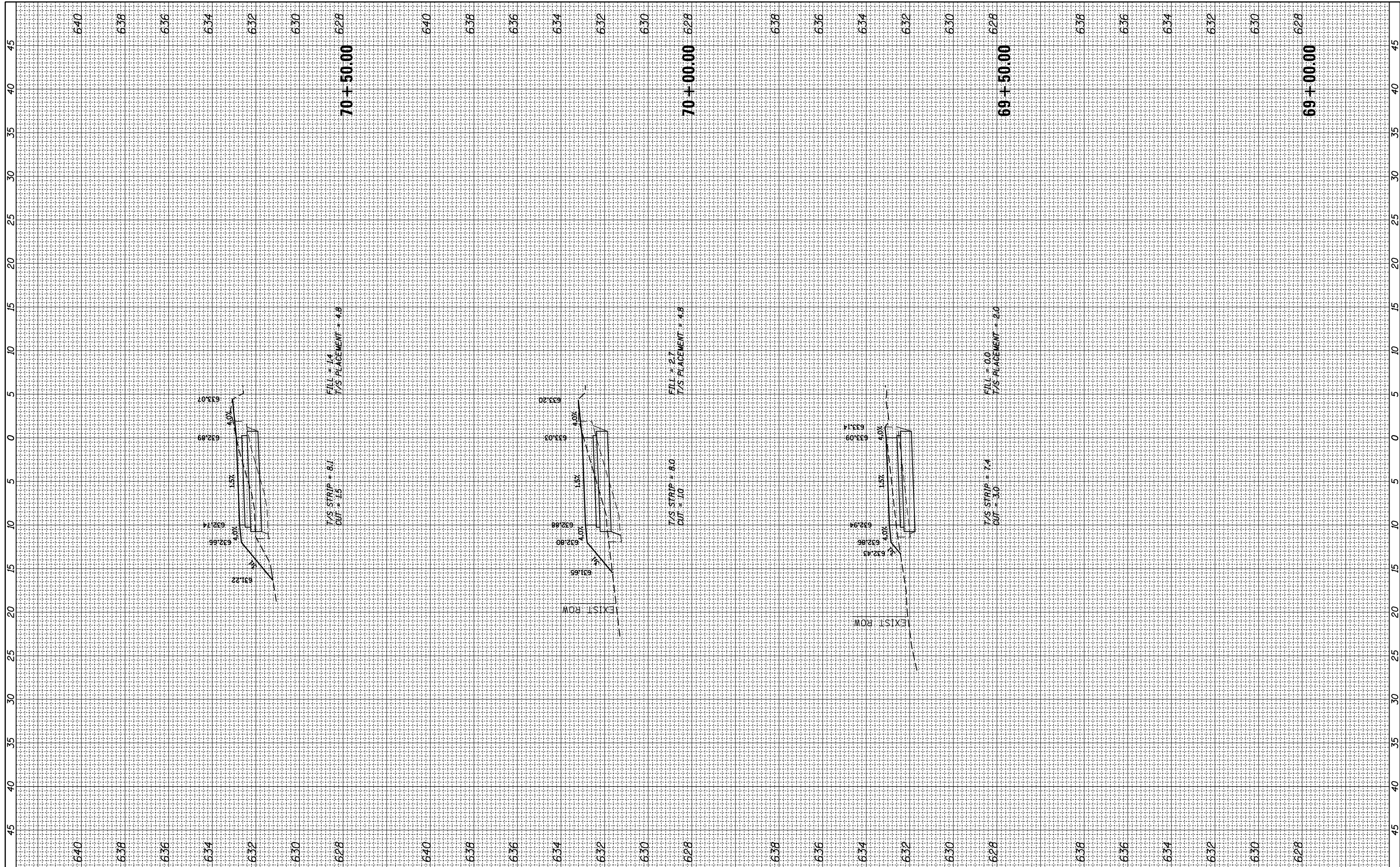
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 164+50.00 TO STA. 166+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	117
CONTRACT NO. 61J18				
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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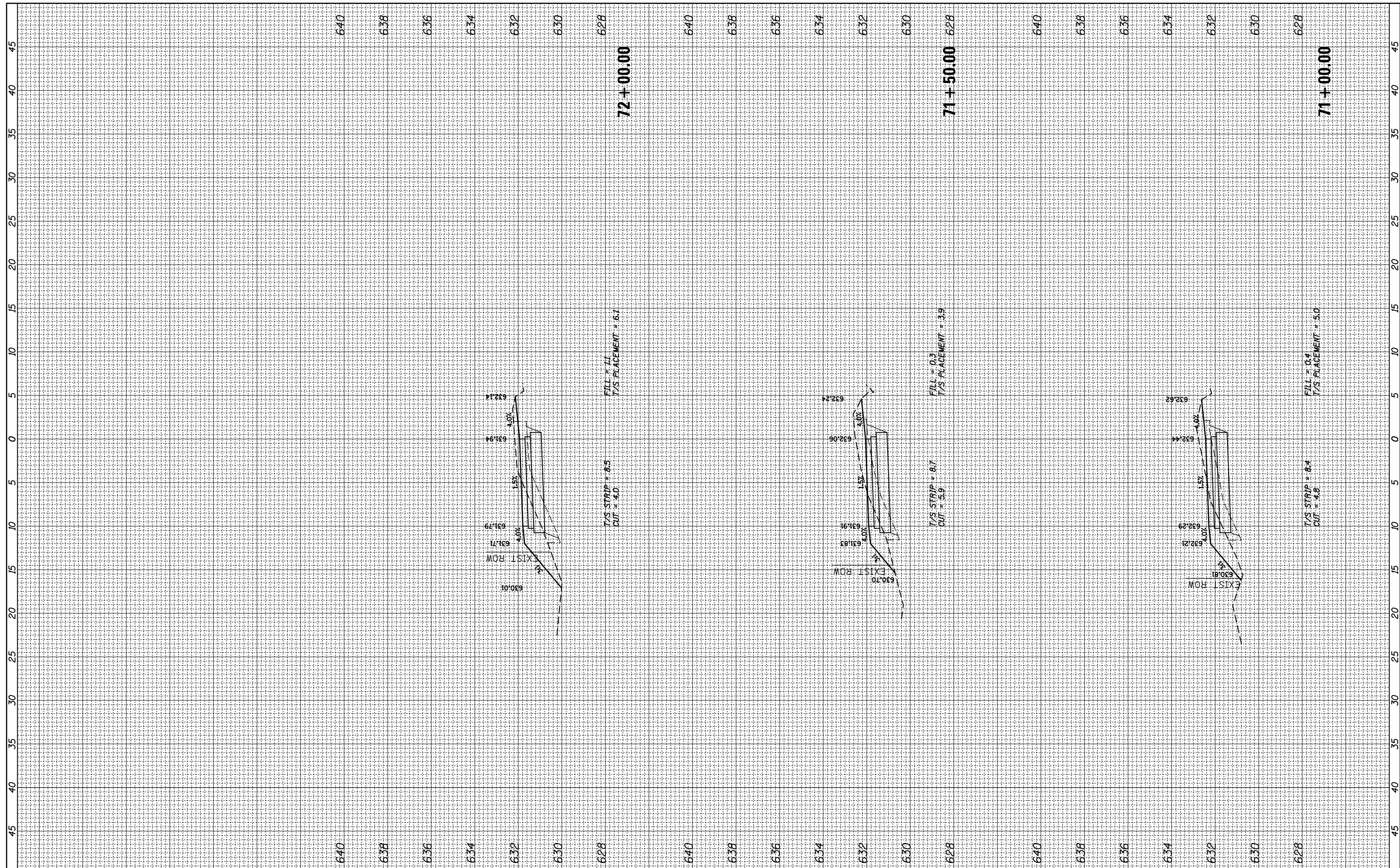
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 69+00.00 TO STA. 70+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	118
CONTRACT NO. 6118				
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**

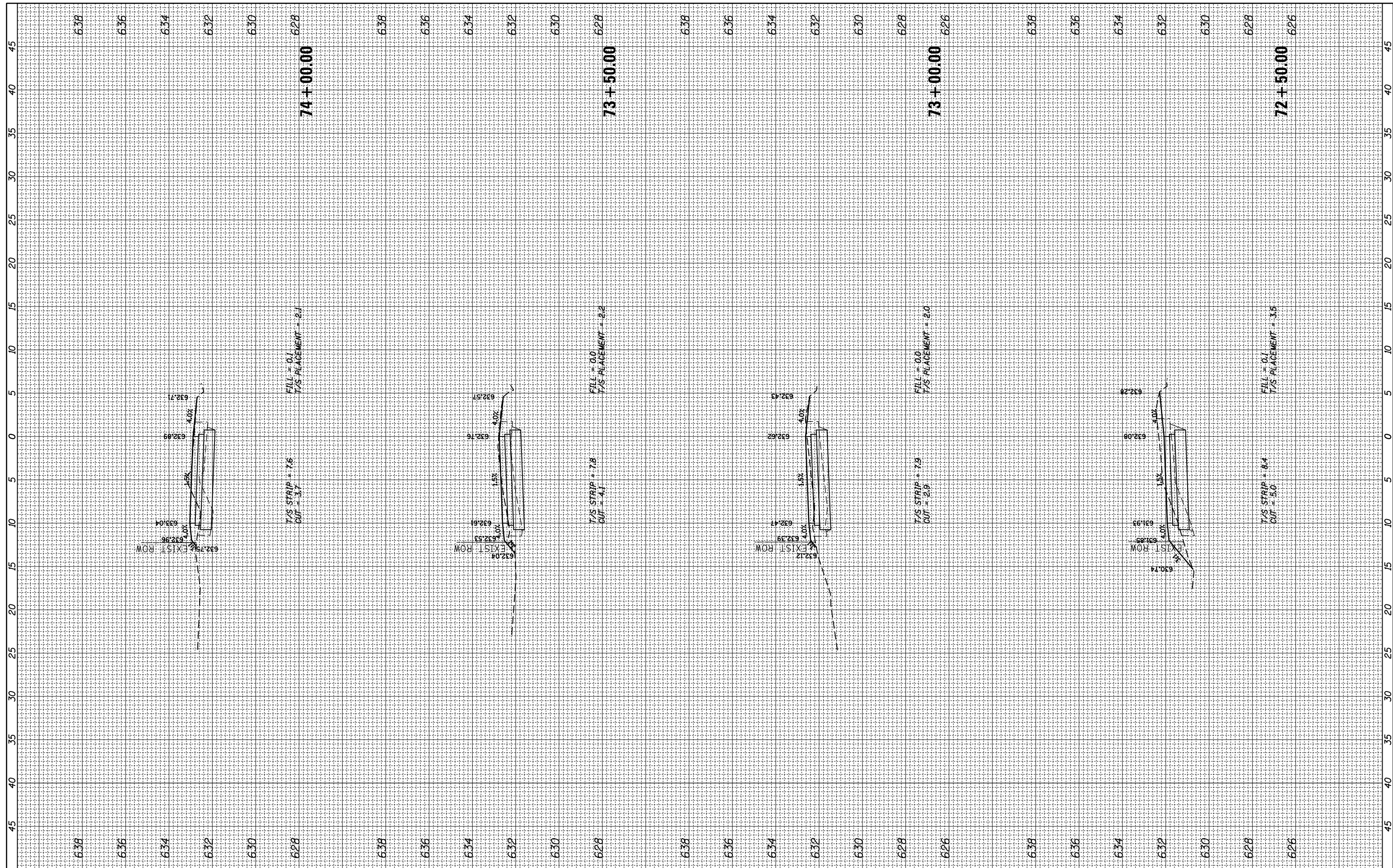
**DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 71+00.00 TO STA. 72+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	119
CONTRACT NO. 61118			ILLINOIS FED. AID PROJECT	

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

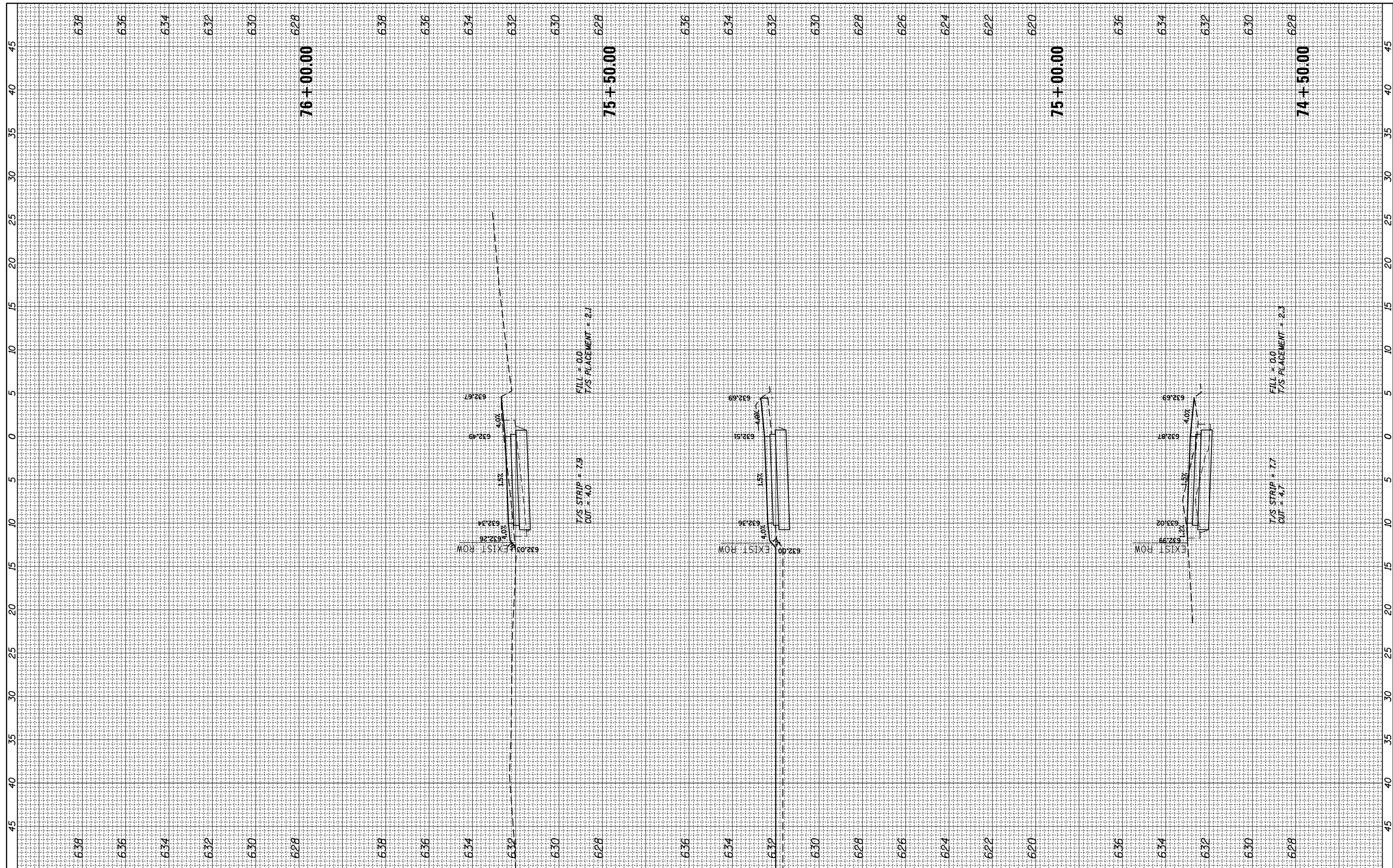
**DES PLAINES RIVER TRAIL SEGMENT 1
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 72+50.00 TO STA. 74+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	120
			CONTRACT NO. 61118	
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
	NOTE BOOK AREAS CHECKED		
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES RIVER TRAIL SEGMENT 1
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 74+50.00 TO STA. 76+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00034-00-BT	COOK	121	121
CONTRACT NO. 61118			ILLINOIS FED. AID PROJECT	