

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

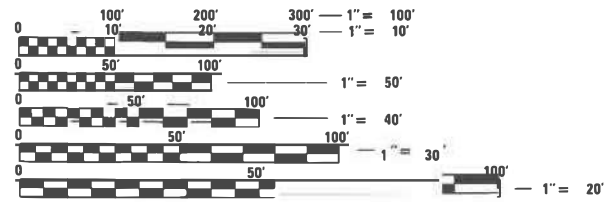
F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	1
		ILLINOIS	CONTRACT NO. 62K03	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN
VILLAGE OF TINLEY PARK

TRAFFIC DATA:
183RD STREET:
 ADT 2021: 9600 VPD
 SPEED LIMIT = 50 MPH (POSTED)
 MINOR ARTERIAL

CENTRAL AVENUE:
 ADT 2018: 1950 VPD
 SPEED LIMIT = 45 MPH (POSTED)
 MINOR COLLECTOR



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

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

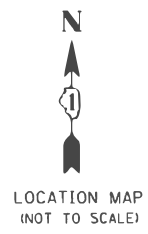
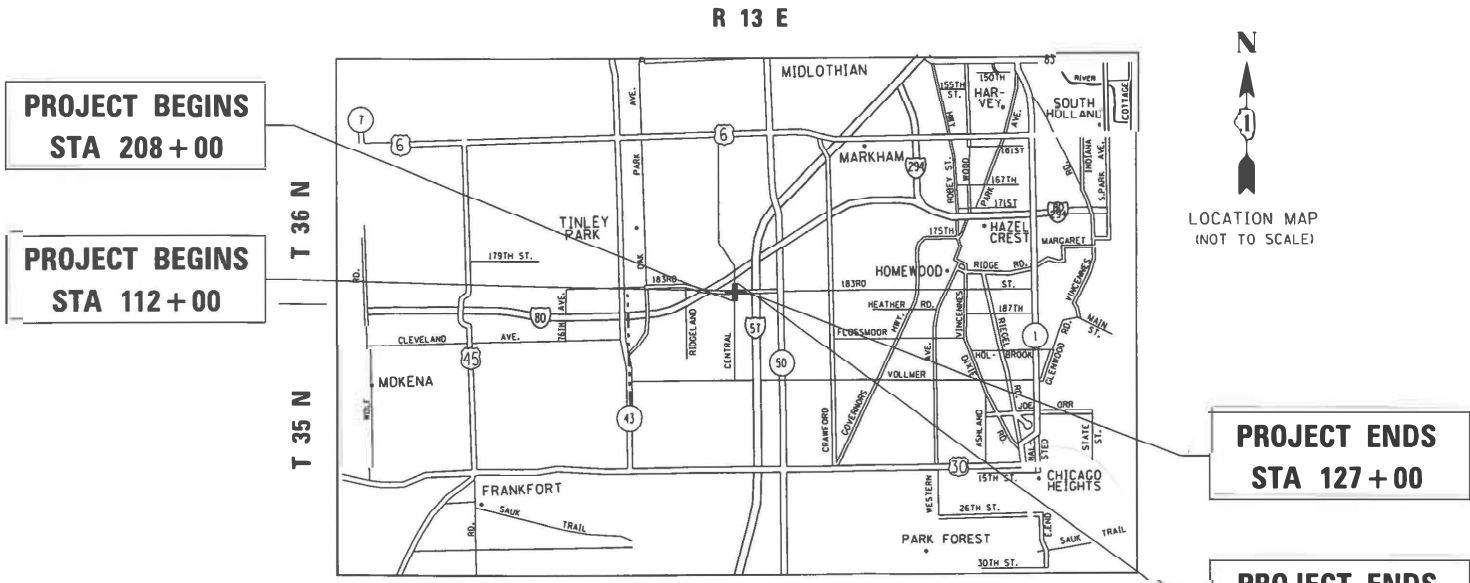
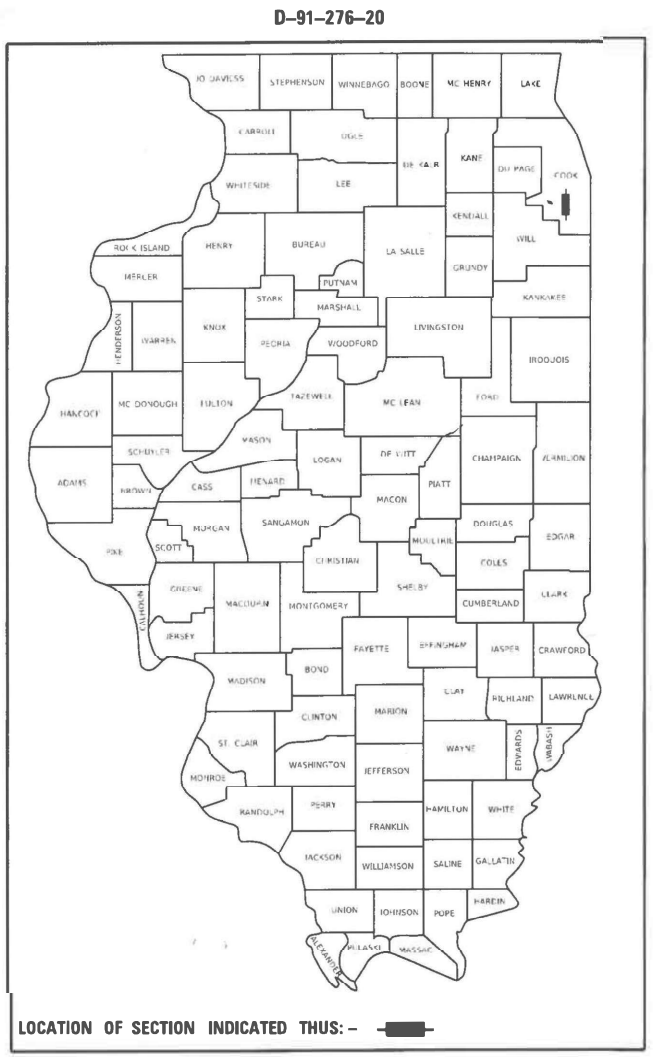
PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255
 PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62K03

**PROPOSED
HIGHWAY PLANS**

F.A.U. ROUTE 1622 : 183RD STREET
 AT CENTRAL AVENUE
 SECTION: 2019-130-TS&N
 PROJECT: STP-LMLY(351)
 CHANNELIZATION, TRAFFIC SIGNAL INSTALLATION
 COOK COUNTY

C-91-059-20



BREMEN TOWNSHIP/RICH TOWNSHIP

GROSS LENGTH = 3032 FOOT = 0.57 MILES
 NET LENGTH = 3032 FOOT = 0.57 MILES

PROJECT ENDS
STA 127 + 00

PROJECT ENDS
STA 223 + 31.9

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED December 22, 2022
Jose Luis Lopez
 REGIONAL ENGINEER

February 3, 2023
Jose A. Lopez
 ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2023
Stephen M. Quinn
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

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LIST OF STATE STANDARDS

GENERAL NOTES

SHEET NO.

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BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF TINLEY PARK AND COOK COUNTY.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

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

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CUYD) 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 THE IDOT SUBGRADE STABILITY MANUAL.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR'S EXPENSE.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6³/₃₂ BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12³/₃₂ LOWER LIFT SHALL BE CS 1 OR RR 1.

GENERAL NOTES CONTINUE ON NEXT SHEET

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
183RD STREET AT CENTRAL AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	2
				CONTRACT NO. 62K03
ILLINOIS FED. AID PROJECT				

GENERAL NOTES (CONT):

THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXACTION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4B (MODIFIED) AND 5B (MODIFIED) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF TINLEY PARK AND THE FOREST PRESERVE OF COOK COUNTY.

THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTORS RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW(BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND INSECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT IN THE BUREAU OF MAINTENANCE AT 847.705.4171 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE NATIVE SEEDING, TREES AND SHRUBS.

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171 TO SCHEDULE A WALK THROUGH TO DETERMINE TREE PROTECTION, TREE REMOVAL, SELECTIVE CLEARING, AND OTHER FORESTRY WORK A MINIMUM OF 7 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL TREE PROTECTION, TREE REMOVAL, SELECTIVE CLEARING, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ROADSIDE DEVELOPMENT UNIT. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREST HEIGHT WILL NOT BE CLEARED APRIL 1 THROUGH SEPTEMBER 30.

THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND PLUGS.

404 PERMIT NOTE:

THE PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM AND WETLAND WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS, WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.

PIPE UNDERDRAINS			
PIPE UNDERDRAINS, 4" (SPECIAL)		CONCRETE HEADWALLS FOR PIPE DRAINS LOCATION	
183RD STREET	CENTRAL AVENUE	183RD STREET	CENTRAL AVENUE
116 + 50 (LT & RT)	213 + 05 (LT & RT)	116 + 50 (LT & RT)	213 + 05 (LT & RT)
123 + 50 (LT & RT)	217 + 50 (LT & RT)	123 + 50 (LT & RT)	217 + 50 (LT & RT)
PIPE UNDERDRAINS, TYPE 2, 4"			
183RD STREET	CENTRAL AVENUE		
119 + 50 (LT & RT)	211 + 50 (LT & RT)		
125 + 50 (LT & RT)	219 + 50 (LT & RT)		

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE		AIR VOIDS @ Ndes	
HMA PAVEMENT (FD) 8 1/4"; 9 3/4"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"		4% AT 70 GYR.	QC/OA
HOT MIX ASPHALT BINDER COURSE, IL-19, N70, 6 1/4"; 7 3/4"		4% AT 70 GYR.	QC/OA
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N70, 2"		4% AT 70 GYR.	QC/OA
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 6"		4% AT 70 GYR.	QC/OA
HMA SHOULDERS 8 1/4 " ; 9 3/4 "			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"		4% AT 70 GYR.	QC/OA
HOT MIX ASPHALT BINDER COURSE, IL-19, N70, 6 1/4"; 7 3/4"		4% AT 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP) PAY FOR PERFORMANCE (PFP).			

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: 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.
- NOTE 3: PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.
- NOTE 4: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER HMA BINDER TOP LEFT.

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
183RD STREET AT CENTRAL AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	3
CONTRACT NO. 62K03			ILLINOIS FED. AID PROJECT	

ESC NOTES

ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/ EROSION-AND-SEDIMENT-CONTROL)

THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION

THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.

THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDING AT ONE TIME.

EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

"WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

COMMITMENTS:

AS CONDITION OF THE SECTION 4(F) CONCURRENCE, THE FOREST PRESERVE DISTRICT OF COOK COUNTY (FPDCC) REQUESTS THAT THE PROPOSED IMPROVEMENTS WILL NOT IMPACT THE WETLAND MITIGATION SITE IN THE SOUTHWEST CORNER OF THE INTERSECTION; TREES WILL BE REPLACED IN ACCORDANCE WITH THE FPDCC TREE REPLACEMENT POLICY; REGRADED DITCHES WILL BE SEEDING WITH CLASS 4A LOW PROFILE NATIVE GRASS AND REASONABLE TRANSITIONS FOR THE VEGETATED DITCHES WILL BE PROVIDED BEYOND THE LIMITS OF REGADING; THE FACES OF ALL REPLACED CULVERTS WILL BE LINED WITH RIP RAP; THE DEPARTMENT WILL CONTACT FPDCC PRIOR TO THE START OF CONSTRUCTION TO INFORM THEM OF CONSTRUCTION ACTIVITIES NEAR THEIR PROPERTIES.

IDNR ALSO OFFERS THE FOLLOWING CONSERVATION MEASURES BE CONSIDERED:

IF TEMPORARY OR PERMANENT LIGHTING IS REQUIRED, THE DEPARTMENT RECOMMENDS:

ALL LIGHTING SHOULD BE FULLY SHIELDED FIXTURES THAT EMIT NO LIGHT UPWARD. ONLY "WARM-WHITE" OR FILTERED LEDS (CCT < 3,000 K; S/P RATIO < 1.2) SHOULD BE USED TO MINIMIZE BLUE EMISSION. ONLY LIGHT THE EXACT SPACE WITH THE AMOUNT (LUMENS) NEEDED TO MEET FACILITY SAFETY REQUIREMENT.

IF EROSION CONTROL BLANKET IS TO BE USED, IDNR RECOMMENDS THAT WILDLIFE-FRIENDLY PLASTIC-FREE BLANKET BE USED TO PREVENT THE ENTANGLEMENT OF NATIVE WILDLIFE.

TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED APRIL 1 THROUGH SEPTEMBER 30.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL NOTES
183RD STREET AT CENTRAL AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	4
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS			
* 20101000	TEMPORARY FENCE	FOOT	2627	2627				
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	7	7				
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	7	7				
20200100	EARTH EXCAVATION	CU YD	6565	6565				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	677	677				
20800150	TRENCH BACKFILL	CU YD	244	244				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	3457	3457				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3897	3897				
* 25100125	MULCH, METHOD 3	ACRE	2.5	2.5				
* 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	3168	3168				
* 25200200	SUPPLEMENTAL WATERING	UNIT	10	10				
* 28000305	TEMPORARY DITCH CHECKS	FOOT	808	808				
* 28000400	PERIMETER EROSION BARRIER	FOOT	4546	4546				
28100107	STONE RIPRAP, CLASS A4	SO YD	94	94				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS			
28200200	FILTER FABRIC	SO YD	94	94				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	922	922				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	13829	13829				
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	2921	2921				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	10460	10460				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	58	58				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2988	2988				
40701846	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/4"	SO YD	4831	4831				
40701876	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"	SO YD	4673	4673				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	850	850				
42400800	DETECTABLE WARNINGS	SO FT	195	195				
44000100	PAVEMENT REMOVAL	SO YD	16404	16404				
48203030	HOT-MIX ASPHALT SHOULDERS, 8 1/4"	SO YD	1792	1792				

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K03	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS			
48203036	HOT-MIX ASPHALT SHOULDERS, 9 3/4"	SO YD	1985	1985				
50105220	PIPE CULVERT REMOVAL	FOOT	1555	1555				
50300300	PROTECTIVE COAT	SO YD	95	95				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1				
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	8	8				
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	6	6				
54214512	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 27"	EACH	2	2				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	14	14				
550A4000	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	300	300				
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	129	129				
550A4200	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	FOOT	316	316				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS			
550A4800	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	FOOT	460	460				
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	8	8				
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	56	56				
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1800	1800				
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5				
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1				
60500040	REMOVING MANHOLES	EACH	2	2				
60500050	REMOVING CATCH BASINS	EACH	1	1				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1220	1220				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20					
67100100	MOBILIZATION	L SUM	1	1					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	85	85					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	27413	27413					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	10351	10351					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	146	146					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	13817	13817					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1055	1055					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1493	1493					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	106	106					
70307120	TEMPORARY PAVEMENT MARKING-LINE 4"-TYPE IV TAPE	FOOT	4429	4429					
70307130	TEMPORARY PAVEMENT MARKING-LINE 6"-TYPE IV TAPE	FOOT	350	350					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1787.5	1787.5					
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	576	576					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1787.5	1787.5					
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2					
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2					
* 72000100	SIGN PANEL - TYPE 1	SO FT	29	29					
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	13	13					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	146	146					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13817	13817					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1055	1055					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1493	1493					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	106	106					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	90	90					

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△ = NON-PARTICIPATING WORK (100% STATE)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K03	

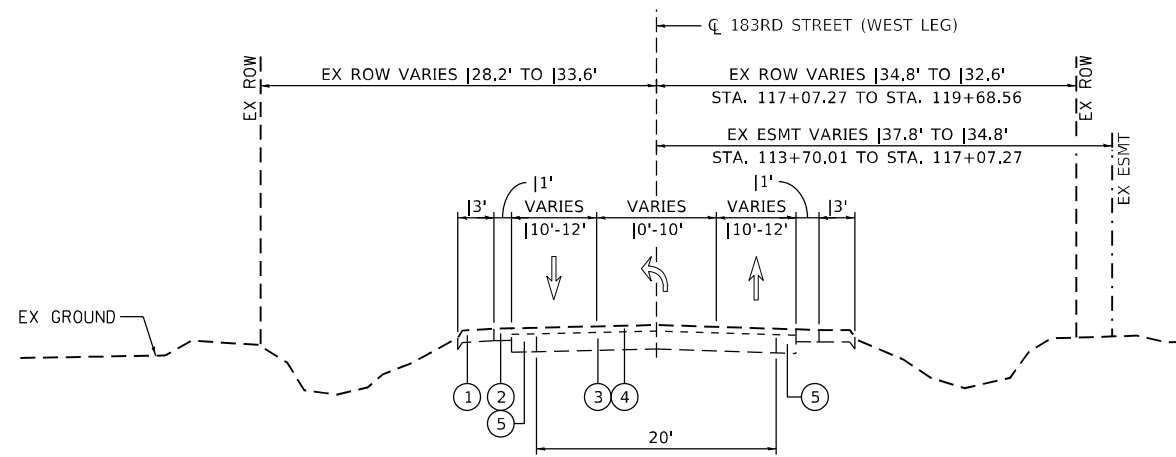
SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS					0004 80% FED 20% STATE ROADWAY		0021 80% FED 20% STATE SIGNALS						
78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	43	43					* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1349		1349				
	REMOVAL									14 7C								
78300202	PAVEMENT MARKING REMOVAL - WATER	SO FT	6985	6985					* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	1005		1005				
	BLASTING									14 1 PAIR								
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	612		612				* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO.	FOOT	98		98				
	2" DIA.									6 2 C								
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	145		145				* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	799		799				
	3" DIA.									GROUNDING CONDUCTOR, NO. 6 1C								
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	304		304				* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	4		4				
	4" DIA.									16 FT.								
* 81400200	HEAVY-DUTY HANDHOLE	EACH	7		7													
* 81400300	DOUBLE HANDHOLE	EACH	1		1				* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30	EACH	2		2				
										FT.								
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	1		1				* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32	EACH	2		2				
	INSTALLATION									FT.								
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	941		941													
	14 2C																	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1181		1181													
	14 3C																	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	742		742				* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20				
	14 5C																	
									* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				

* = SPECIALTY ITEMS
 △ = NON-PARTICIPATING WORK (100% STATE)

FILE NAME =	USER NAME = Omar.Mesad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/16/2022	DATE -	REVISED -	SCALE:			SHEET NO. 4 OF 5 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

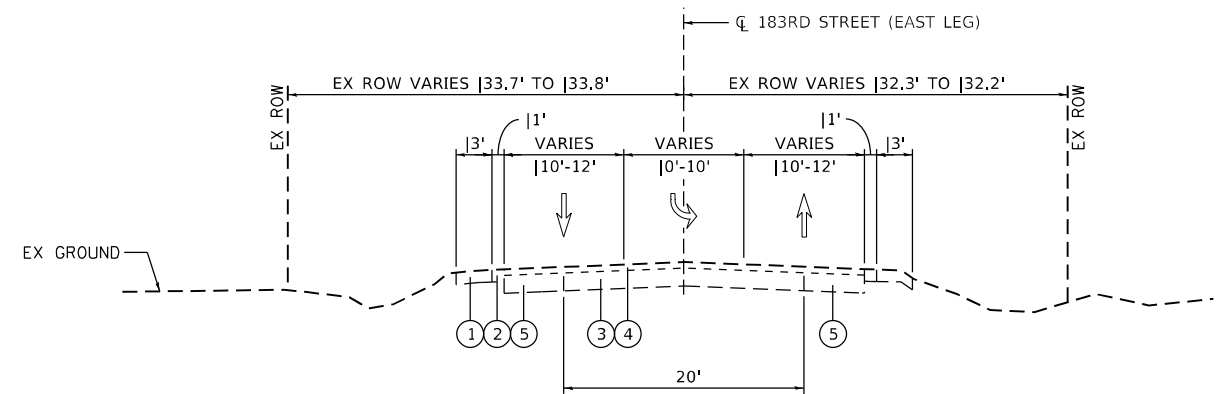
SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 80% FED 20% STATE ROADWAY	0021 80% FED 20% STATE SIGNALS					0004 80% FED 20% STATE ROADWAY		0021 80% FED 20% STATE SIGNALS					
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	54	54					X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1	1				
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	4					* X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1		1			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4													
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	4					* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	4					* X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2		2			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8					* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2		2			
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8	8					* X1900003	SEEDING, CLASS 5B (MODIFIED)	ACRE	3.3	3.3				
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4	4					X2010400	STUMP REMOVAL ONLY	UNIT	47.28	47.28				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	263	263					* X2500930	SEEDING, CLASS 1B (MODIFIED)	ACRE	1.5	1.5				
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1					* X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	3.3	3.3				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1					X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	19455	19455				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12				
									X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				

* = SPECIALTY ITEMS
△ = NON-PARTICIPATING WORK (100% STATE)



EXISTING 183RD STREET
STA. 113+70.01 TO STA. 120+00.00

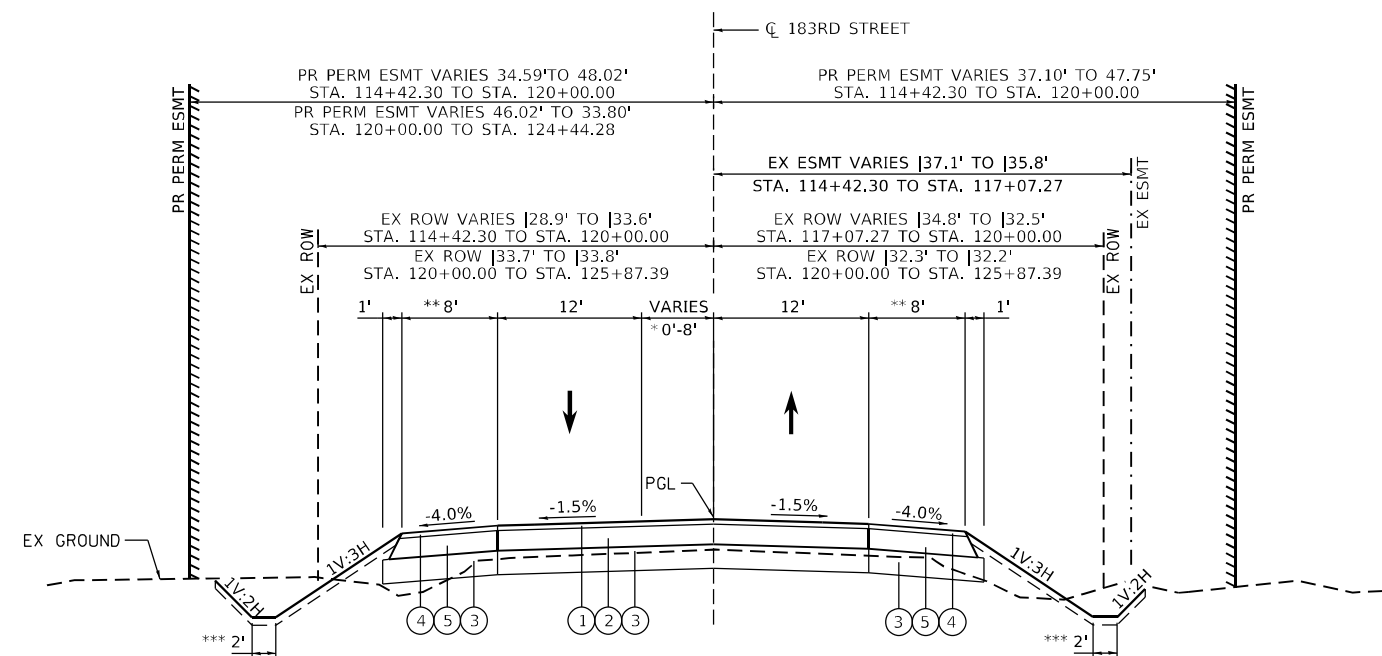
- ① AGGREGATE SHOULDER
- ② HMA SHOULDER
- ③ PCC PAVEMENT
- ④ HMA RESURFACE
- ⑤ HMA WIDENING



EXISTING 183RD STREET
STA. 120+00.00 TO STA. 126+42.01

- ① AGGREGATE SHOULDER
- ② HMA SHOULDER
- ③ PCC PAVEMENT
- ④ HMA RESURFACE
- ⑤ HMA WIDENING

NOTE: REFER TO HOT MIX ASPHALT MIXTURE REQUIREMENTS IN SHEET NUMBER 2



PROPOSED 183RD STREET

- (RECONSTRUCTION)
STA. 114+42.30 TO STA. 116+91.54 LT
STA. 114+42.30 TO STA. 119+23.45 RT
STA. 122+76.74 TO STA. 125+87.39 LT
STA. 122+95.78 TO STA. 125+87.39 RT
- HMA PAVEMENT (FD) 9 3/4"
- ① 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
 - ② 7 3/4" HMA BINDER COURSE, IL-19.0, N70
 - ③ 12" AGGREGATE SUBGRADE IMPROVEMENT
 - ④ 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
 - ⑤ 7 3/4" HMA BINDER COURSE, IL-19.0, N70

- * FLUSH MEDIAN (WEST LEG)
0' TO 8' FROM STA. 113+70.01 TO STA. 116+70.01
- FLUSH MEDIAN/TRANSITION LEFT TURN LANE (WEST LEG)
8' TO 0' FROM STA. 116+70.01 TO STA. 118+50.01
- LEFT TURN LANE (WEST LEG)
12' FROM STA. 118+50.01 TO STA. 119+65.01
- (EAST LEG)
8' FROM STA. 120+47.01 TO STA. 121+62.01
- TRANSITION LEFT TURN LANE/FLUSH MEDIAN (EAST LEG)
0' TO 8' FROM STA. 121+62.01 TO STA. 123+42.01
- FLUSH MEDIAN (EAST LEG)
8' TO 0' FROM STA. 123+42.01 TO STA. 126+42.01

- ** 10' SHOULDER WIDENING TAPER:
FROM STA. 114+42.30 TO 114+52.30
LEFT: 3' TO 8'
RIGHT: 3.3' TO 8'
- FROM STA. 125+77.39 TO 125+87.39
LEFT: 8' TO 3.2'
RIGHT: 8' TO 3.4'
- *** DITCH IMPROVEMENTS TO BEGIN
@ STA. 112+00.00 & END @ STA. 127+00.00

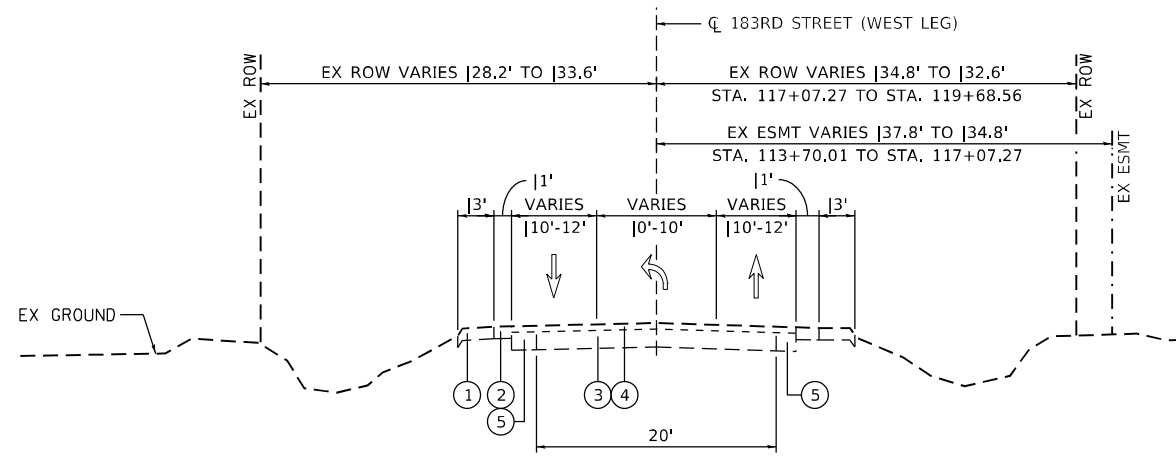
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

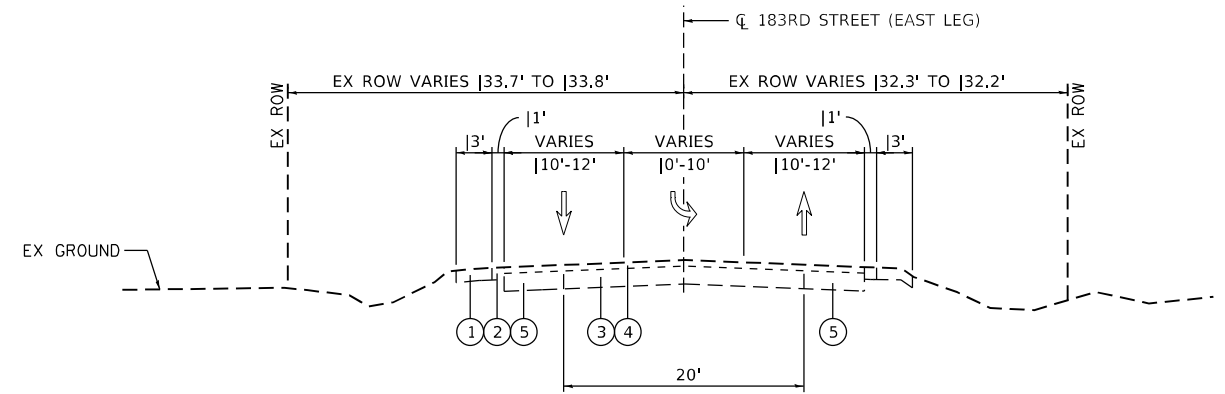
EXISTING AND PROPOSED TYPICAL SECTIONS	
183RD STREET AT CENTRAL AVENUE	
SCALE: NONE	SHEET 1 OF 4 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	11
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



EXISTING 183RD STREET
 STA. 113+70.01 TO STA. 120+00.00

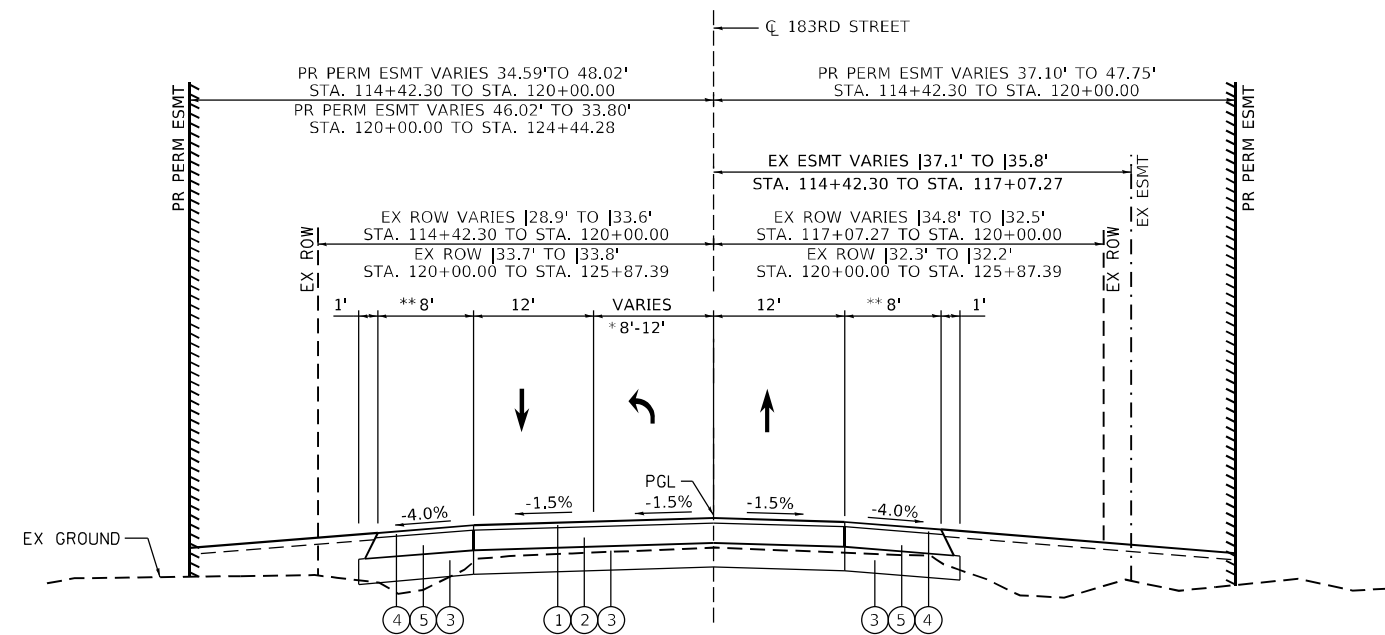
- ① AGGREGATE SHOULDER
- ② HMA SHOULDER
- ③ PCC PAVEMENT
- ④ HMA RESURFACE
- ⑤ HMA WIDENING



EXISTING 183RD STREET
 STA. 120+00.00 TO STA. 126+42.01

- ① AGGREGATE SHOULDER
- ② HMA SHOULDER
- ③ PCC PAVEMENT
- ④ HMA RESURFACE
- ⑤ HMA WIDENING

NOTE: REFER TO HOT MIX ASPHALT MIXTURE REQUIREMENTS
 IN SHEET NUMBER 2



PROPOSED 183RD STREET

(RECONSTRUCTION)

STA. 116+91.54 TO STA. 122+76.74 LT
 STA. 116+91.54 TO STA. 122+95.78 RT

- ① 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ② 7 3/4" HMA BINDER COURSE, IL-19.0, N70
- ③ 12" AGGREGATE SUBGRADE IMPROVEMENT
- ④ 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ⑤ 7 3/4" HMA BINDER COURSE, IL-19.0, N70

* FLUSH MEDIAN (WEST LEG)
 0' TO 8' FROM STA. 113+70.01 TO STA. 116+70.01
 FLUSH MEDIAN/TRANSITION LEFT TURN LANE (WEST LEG)
 8' TO 0' FROM STA. 116+70.01 TO STA. 118+50.01
 LEFT TURN LANE (WEST LEG)
 12' FROM STA. 118+50.01 TO STA. 119+65.01
 (EAST LEG)
 8' FROM STA. 120+47.01 TO STA. 121+62.01
 TRANSITION LEFT TURN LANE/FLUSH MEDIAN (EAST LEG)
 0' TO 8' FROM STA. 121+62.01 TO STA. 123+42.01
 FLUSH MEDIAN (EAST LEG)
 8' TO 0' FROM STA. 123+42.01 TO STA. 126+42.01

** 10' SHOULDER WIDENING TAPER:
 FROM STA. 114+42.30 TO 114+52.30
 LEFT: 3' TO 8'
 RIGHT: 3.3' TO 8'
 FROM STA. 125+77.39 TO 125+87.39
 LEFT: 8' TO 3.2'
 RIGHT: 8' TO 3.4'
 *** DITCH IMPROVEMENTS TO BEGIN
 @ STA. 112+00.00 & END @ STA. 127+00.00

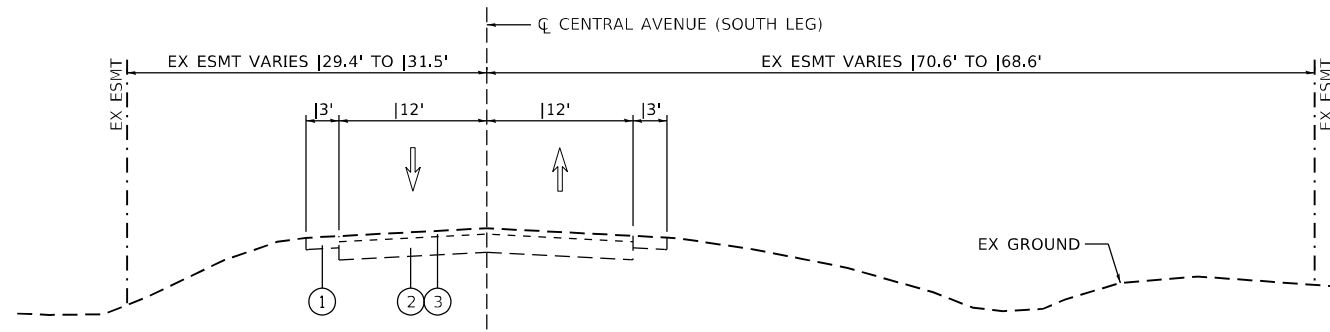
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USER NAME = Omar,Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

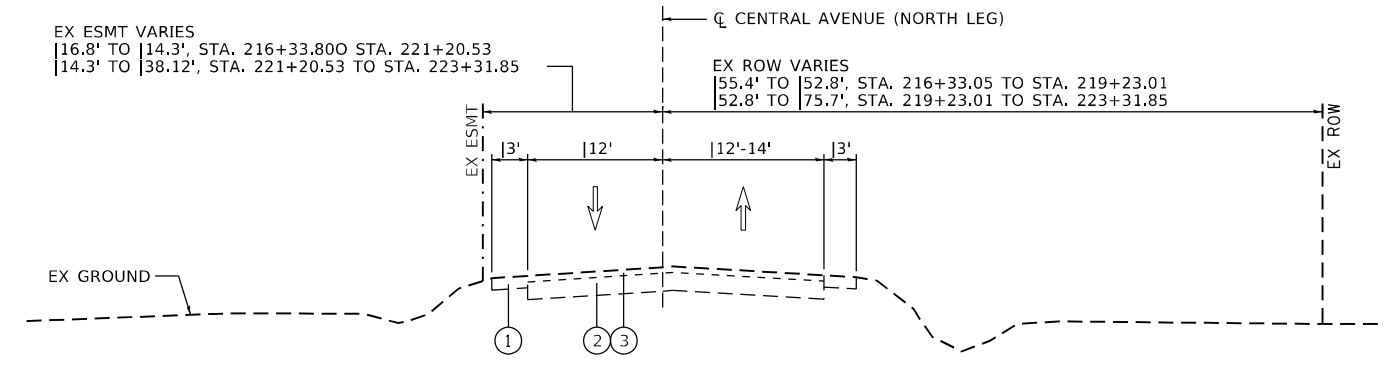
EXISTING AND PROPOSED TYPICAL SECTIONS	
183RD STREET AT CENTRAL AVENUE	
SCALE: NONE	SHEET 2 OF 4 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	12
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



EXISTING CENTRAL AVENUE
STA. 208+68.02 TO STA. 216+00.00

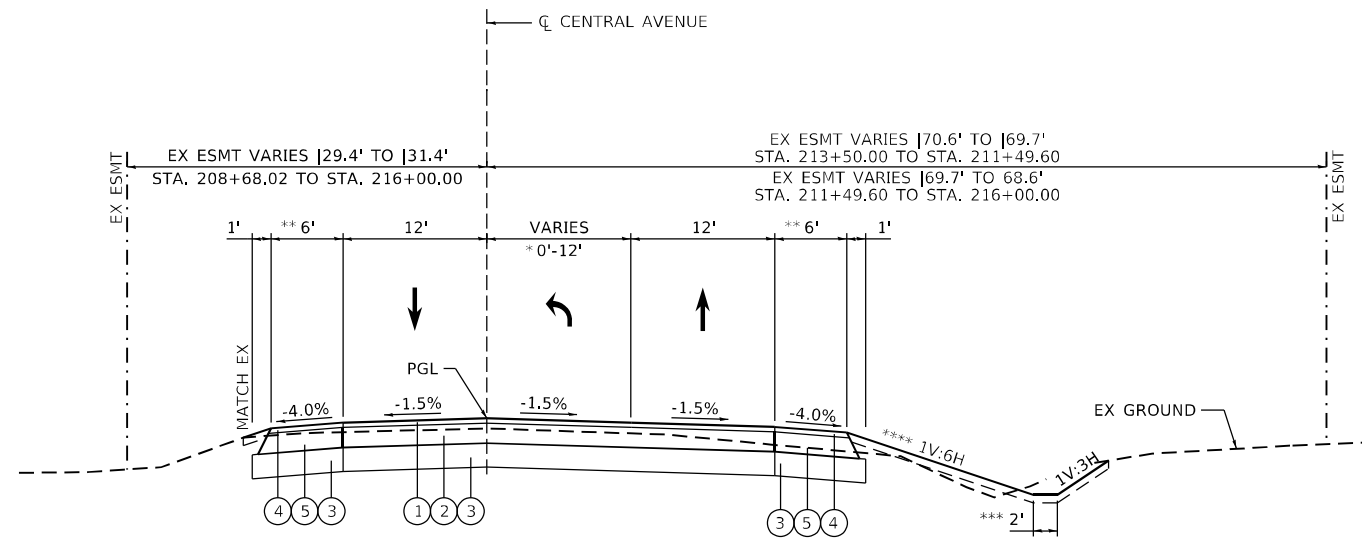
- ① HMA SHOULDER
- ② EXISTING PAVEMENT
- ③ HMA RESURFACE



EXISTING CENTRAL AVENUE
STA. 216+00.00 TO STA. 233+31.85

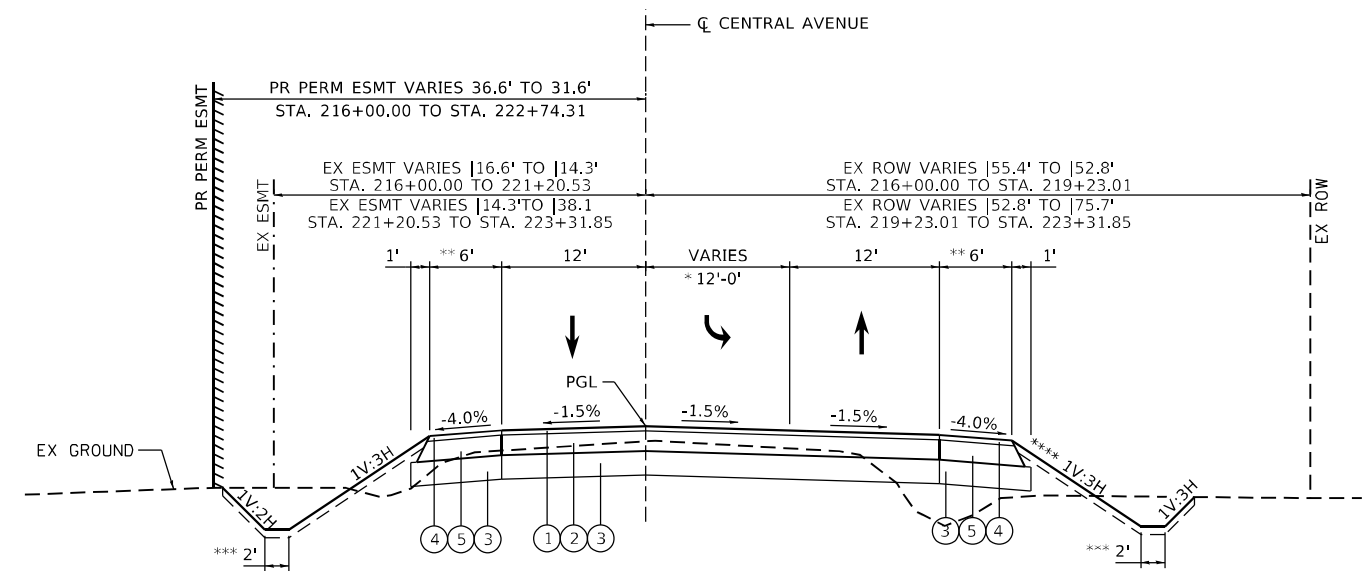
- ① HMA SHOULDER
- ② EXISTING PAVEMENT
- ③ HMA RESURFACE

NOTE: REFER TO HOT MIX ASPHALT MIXTURE REQUIREMENTS IN SHEET NUMBER 2



PROPOSED CENTRAL AVENUE
(RECONSTRUCTION)
STA. 208+68.02 TO STA. 213+93.00 LT
STA. 208+68.02 TO STA. 215+22.00 RT

- HMA PAVEMENT (FD) 8 1/4"
- ① 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ② 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- ③ 12" AGGREGATE SUBGRADE IMPROVEMENT
- ④ 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ⑤ 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- * FLUSH MEDIAN (SOUTH LEG)
0' TO 12' FROM STA. 208+68.02 TO STA. 212+88.02
- FLUSH MEDIAN/TRANSITION LEFT TURN LANE (SOUTH LEG)
12' TO 0' FROM STA. 212+88.02 TO STA. 214+44.02
- LEFT TURN LANE (SOUTH LEG)
12' FROM STA. 214+44.02 TO STA. 215+59.02
- (NORTH LEG)
12' FROM STA. 216+40.85 TO STA. 217+55.85
- TRANSITION LEFT TURN LANE/FLUSH MEDIAN (NORTH LEG)
0' TO 12' FROM STA. 217+55.85 TO STA. 219+11.85
- FLUSH MEDIAN (NORTH LEG)
12' TO 0' FROM STA. 219+11.85 TO STA. 223+31.85



PROPOSED CENTRAL AVENUE
(RECONSTRUCTION)
STA. 216+78.64 TO STA. 223+31.90 LT
STA. 216+81.74 TO STA. 223+31.90 RT

- HMA PAVEMENT (FD) 8 1/4"
- ① 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ② 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- ③ 12" AGGREGATE SUBGRADE IMPROVEMENT
- ④ 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ⑤ 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- ** 10' SHOULDER WIDENING TAPER:
FROM STA. 208+68.02 TO 208+78.02
LEFT: 2.8' TO 6'
RIGHT: 2.8' TO 6'
- FROM STA. 223+21.85 TO 223+31.85
LEFT: 6' TO 2.6'
RIGHT: 6' TO 3.2'
- *** DITCH IMPROVEMENTS TO BEGIN @ STA. 208+00.00 & END @ STA. 222+50.00
- **** RIGHT DITCH SLOPES VARY:
1V:6H FRONT SLOPE FROM STA. 208+00.00 TO STA. 215+22.00
1V:3H FRONT SLOPE FROM STA. 216+78.64 TO STA. 223+00.00
FROM DITCH BOTTOM BACK SLOPE MATCHES EXISTING GRADE FROM STA. 208+00.00 TO STA. 211+00.00
FRONT SLOPE, DITCH BOTTOM & BACK SLOPE TRANSITION TO MATCH EXISTING FROM STA. 222+00.00 TO STA. 223+00.00

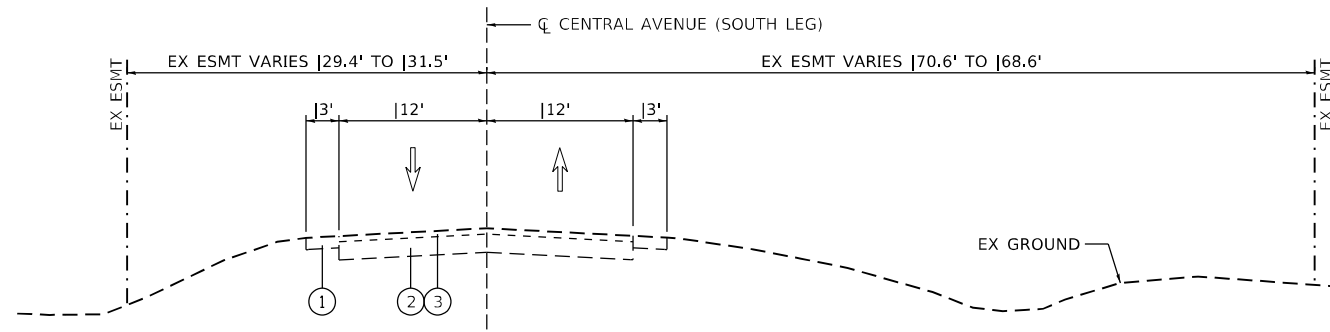
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

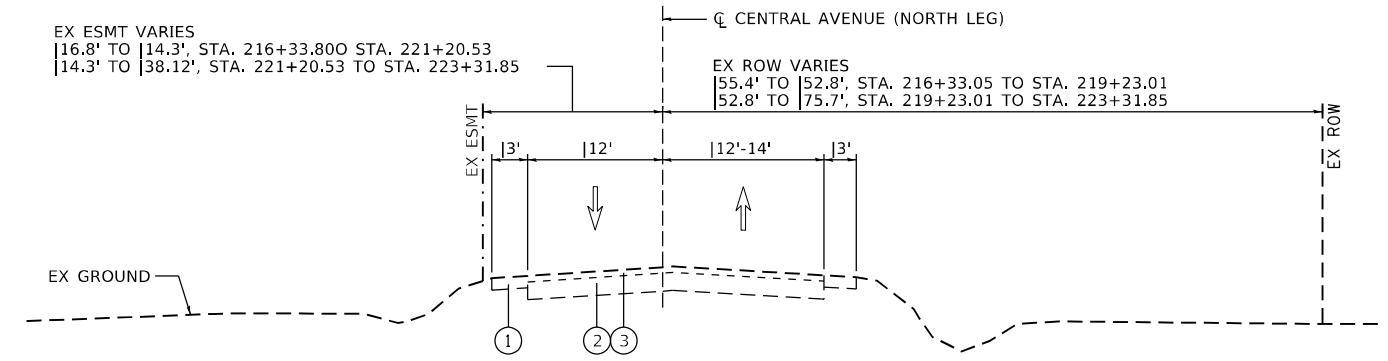
EXISTING AND PROPOSED TYPICAL SECTIONS	
183RD STREET AT CENTRAL AVENUE	
SCALE: NONE	SHEET 3 OF 4 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	13
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



EXISTING CENTRAL AVENUE
STA. 208+68.02 TO STA. 216+00.00

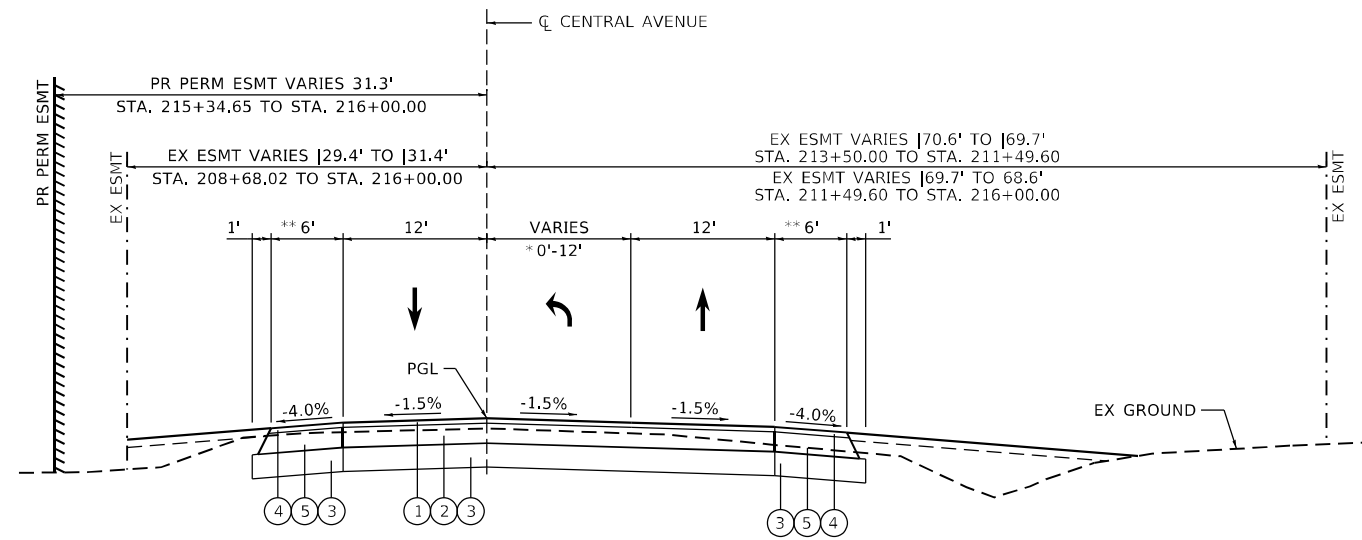
- ① HMA SHOULDER
- ② EXISTING PAVEMENT
- ③ HMA RESURFACE



EXISTING CENTRAL AVENUE
STA. 216+00.00 TO STA. 233+31.85

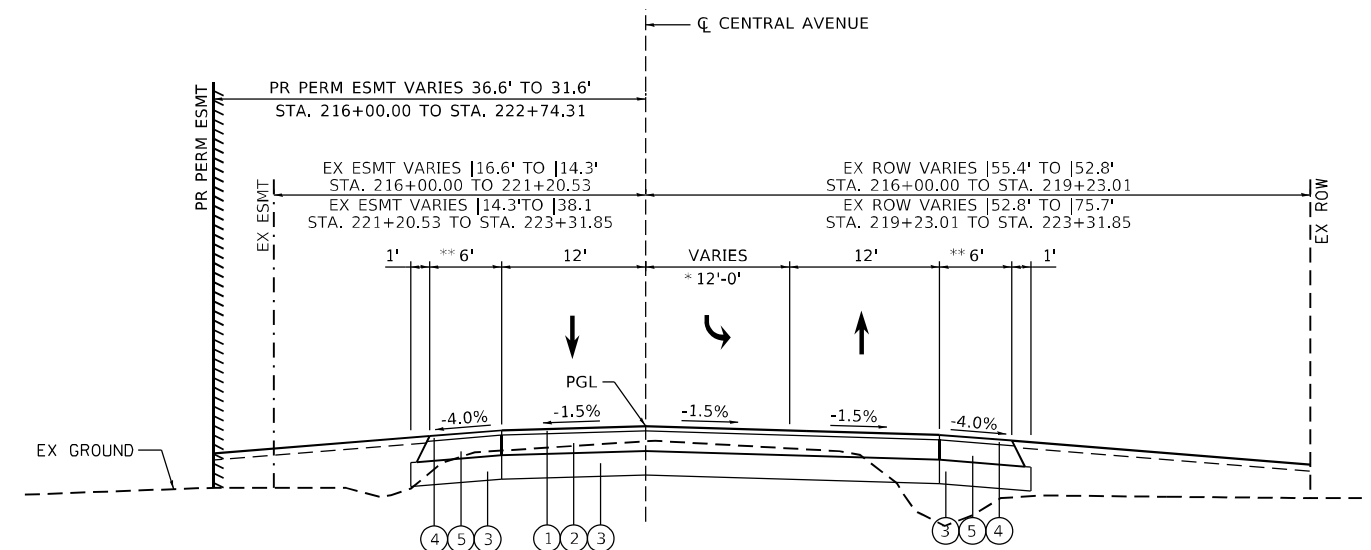
- ① HMA SHOULDER
- ② EXISTING PAVEMENT
- ③ HMA RESURFACE

NOTE: REFER TO HOT MIX ASPHALT MIXTURE REQUIREMENTS IN SHEET NUMBER 2



PROPOSED CENTRAL AVENUE
(RECONSTRUCTION)
STA. 213+93.00 TO STA. 216+00.00 LT
STA. 215+22.00 TO STA. 216+00.00 RT

- HMA PAVEMENT (FD) 8 1/4"
- ① 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ② 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- ③ 12" AGGREGATE SUBGRADE IMPROVEMENT
- ④ 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ⑤ 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- * FLUSH MEDIAN (SOUTH LEG)
0' TO 12' FROM STA. 208+68.02 TO STA. 212+88.02
- FLUSH MEDIAN/TRANSITION LEFT TURN LANE (SOUTH LEG)
12' TO 0' FROM STA. 212+88.02 TO STA. 214+44.02
- LEFT TURN LANE (SOUTH LEG)
12' FROM STA. 214+44.02 TO STA. 215+59.02
- (NORTH LEG)
12' FROM STA. 216+40.85 TO STA. 217+55.85
- TRANSITION LEFT TURN LANE/FLUSH MEDIAN (NORTH LEG)
0' TO 12' FROM STA. 217+55.85 TO STA. 219+11.85
- FLUSH MEDIAN (NORTH LEG)
12' TO 0' FROM STA. 219+11.85 TO STA. 223+31.85



PROPOSED CENTRAL AVENUE
(RECONSTRUCTION)
STA. 216+00.00 TO STA. 216+78.64 LT
STA. 216+00.00 TO STA. 216+81.74 RT

- HMA PAVEMENT (FD) 8 1/4"
- ① 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ② 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- ③ 12" AGGREGATE SUBGRADE IMPROVEMENT
- ④ 2" HMA SURFACE COURSE MIX "D", IL-9.5, N70
- ⑤ 6 1/4" HMA BINDER COURSE, IL-19.0, N70
- ** 10' SHOULDER WIDENING TAPER:
FROM STA. 208+68.02 TO 208+78.02
LEFT: 2.8' TO 6'
RIGHT: 2.8' TO 6'
- FROM STA. 223+21.85 TO 223+31.85
LEFT: 6' TO 2.6'
RIGHT: 6' TO 3.2'
- *** DITCH IMPROVEMENTS TO BEGIN @ STA. 208+00.00 & END @ STA. 222+50.00
- **** RIGHT DITCH SLOPES VARY:
1V:6H FRONT SLOPE FROM STA. 208+00.00 TO STA. 215+22.00
1V:3H FRONT SLOPE FROM STA. 216+78.64 TO STA. 223+00.00
FROM DITCH BOTTOM BACK SLOPE MATCHES EXISTING GRADE FROM STA. 208+00.00 TO STA. 211+00.00
FRONT SLOPE, DITCH BOTTOM & BACK SLOPE TRANSITION TO MATCH EXISTING FROM STA. 222+00.00 TO STA. 223+00.00

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
183RD STREET AT CENTRAL AVENUE			
SCALE: NONE	SHEET 4	OF 4 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	14
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

EXISTING DRAINAGE STRUCTURE SCHEDULE

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS
		EACH	EACH
119+55.17	32.11 RT	1	
119+73.01	23.06 LT		1
120+37.73	48.89 LT	1	
TOTAL		2	1

EXISTING PIPE SCHEDULE

STATION	OFFSET	TRENCH BACKFILL	STORM SEWER	
		CUYD	15"	24"x15"
119+41.60	28.73 RT	1.86		1
119+57.62	32.59 RT	3.50		1
119+63.49	23.57 LT	0.42	1	
119+75.42	44.87 RT	9.56		1
119+75.47	22.66 LT	3.53	1	
120+53.90	28.71 LT	3.90		1
215+37.27	41.87 RT	2.00		1
216+66.59	20.18 LT	2.48	1	
TOTAL		27.26	3	5

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USER NAME = Omar,Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE (I)			
183RD STREET AT CENTRAL AVENUE			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	16
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

PROPOSED STRUCTURE SCHEDULE

ID	STATION	OFFSET	LID ELEVATION	INVERT				PAY ITEM
				N	S	W	E	
1A	122+95.91	27.72	-			695.75		PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18" EQUIVALENT
1B	120+79.90	17.87	699.43		695.93	694.90	694.90	*MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
1C	120+39.61	28.70	699.33		694.83	694.77	694.77	*MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
1D	119+75.22	32.61	699.22		694.83	694.67	694.67	*MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
1E	119+23.48	34.20	-				694.60	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 27" EQUIVALENT
2A	120+80.07	25.77	-	696.04				PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"
3A	215+22.03	41.73	-	694.94				PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18" EQUIVALENT
8A	213+92.98	-27.44	-	695.26				PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18" EQUIVALENT
4A	122+76.83	-35.34	-			695.80		PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18" EQUIVALENT
4B	120+43.93	-36.20	698.91	694.94		694.92	694.92	*MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
4C	119+66.79	-36.81	699.24	694.92		694.55	694.80	*MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
4D	116+91.63	-35.96	-				694.15	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 27" EQUIVALENT
5A	216+81.74	43.86	-		695.03			PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18" EQUIVALENT
5B	120+43.40	-56.94	697.96	694.98	694.98		695.14	*MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID
6A	120+52.02	-56.15	696.36			695.17		INLETS, TYPE A, TYPE 8 GRATE
7A	216+78.64	-30.40	-		695.01			PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18" EQUIVALENT

PROPOSED PIPE SCHEDULE

ID	PAY ITEM	LENGTH	START STRUCTURE	START INVERT	END STRUCTURE	END INVERT	SLOPE	TRENCH BACKFILL
		(FT)						(CUYD)
1A1B	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	211.06	1A	695.75	1B	694.90	0.40%	51.54
1B1C	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	35.49	1B	694.90	1C	694.77	0.38%	17.69
1C1D	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	57.78	1C	694.77	1D	694.67	0.17%	28.08
1D1E	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	45.97	1D	694.67	1E	694.60	0.15%	10.31
2A1B	STORM SEWERS, CLASS A, TYPE 1 12"	9.20	2A	696.04	1B	695.93	1.21%	1.08
3A1C	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	43.56	3A	694.94	1C	694.83	0.25%	8.81
8A1D	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	168.80	8A	695.26	1D	694.83	0.25%	6.90
4A4B	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	227.45	4A	695.80	4B	694.92	0.39%	4.79
4B4C	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	70.17	4B	694.92	4C	694.80	0.17%	24.83
4C4D	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	269.60	4C	694.55	4D	694.15	0.15%	78.74
5A5B	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	20.48	5A	695.03	5B	694.98	0.25%	0.00
5B4B	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	14.98	5B	694.98	4B	694.94	0.25%	2.86
6A5B	STORM SEWERS, CLASS A, TYPE 1 12"	4.67	6A	695.17	5B	695.14	0.44%	0.28
7A4C	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	35.86	7A	695.01	4C	694.92	0.25%	7.44

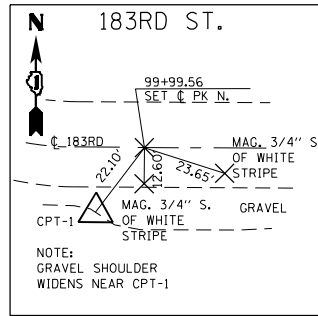
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

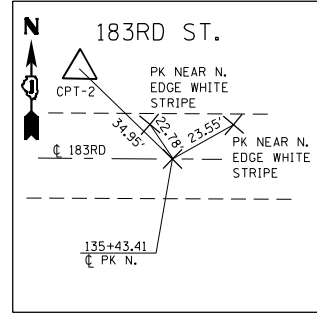
DRAINAGE SCHEDULE (II)			
183RD STREET AT CENTRAL AVENUE			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	17
			CONTRACT NO. 62K03	
		ILLINOIS	FED. AID PROJECT	



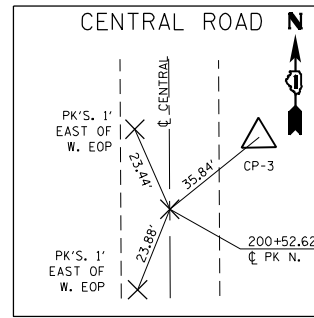
CONTROL POINT #1

IRC SET ON SOUTH SIDE OF 183RD ST.
 ±2000 FT WEST OF CENTRAL AVE.
 WEST EDGE OF PAVEMENT
 ±STA. 99+89.28
 N=1781673.315
 E=1141237.687
 ELEV.=696.911



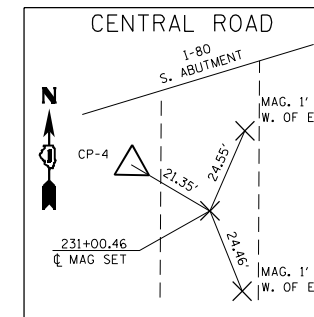
CONTROL POINT #2

IRC SET ON NORTH SIDE OF 183RD ST.
 ±1500 FT EAST OF CENTRAL AVE.
 EAST EDGE OF PAVEMENT
 ±STA. 135+12.68
 N=1781747.431
 E=1144760.490
 ELEV.=701.864



CONTROL POINT #3

IRC SET ON EAST SIDE OF CENTRAL AVE.
 ±1500 FT SOUTH OF 183RD ST.
 SOUTH EDGE OF PAVEMENT
 ±STA. 200+82.69
 N=1780198.812
 E=1143313.146
 ELEV.=699.941



CONTROL POINT #4

IRC SET ON WEST SIDE OF CENTRAL AVE.
 ±1500 FT NORTH OF 183RD ST.
 NORTH EDGE OF PAVEMENT
 ±STA. 231+12.19
 N=1783226.163
 E=1143201.051
 ELEV.=719.391

BENCHMARK #57

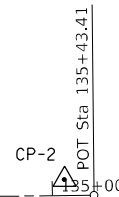
ELEV. = 732.752
 □ -CUT SOUTH OF N.W. CORNER OF THE
 SOUTHWEST PARAPET WALL OF 183RD ST.
 BRIDGE OVER I-57, EAST OF CENTRAL AVE.

BENCHMARK #80C

ELEV. = 725.186
 □ -CUT ON N.E. CORNER OF S.W.
 WINGWALL OF CENTRAL AVE. BRIDGE OVER
 I-80, NORTH OF 183RD ST.

MATCHLINE ST. 125+00

183RD ST.



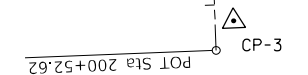
CENTRAL AVE.
 183RD ST.

MATCHLINE STA. 213+00

EXIST. CURVE CENCUR1
 PI STA. = 223+02.40
 Δ = 0° 25' 02" (RT)
 D = 0° 04' 57"
 R = 69,383.78'
 T = 252.67'
 L = 505.34'
 E = 0.46'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 220+49.73
 P.T. STA. = 225+55.06

MATCHLINE STA. 213+00

CENTRAL AVE.



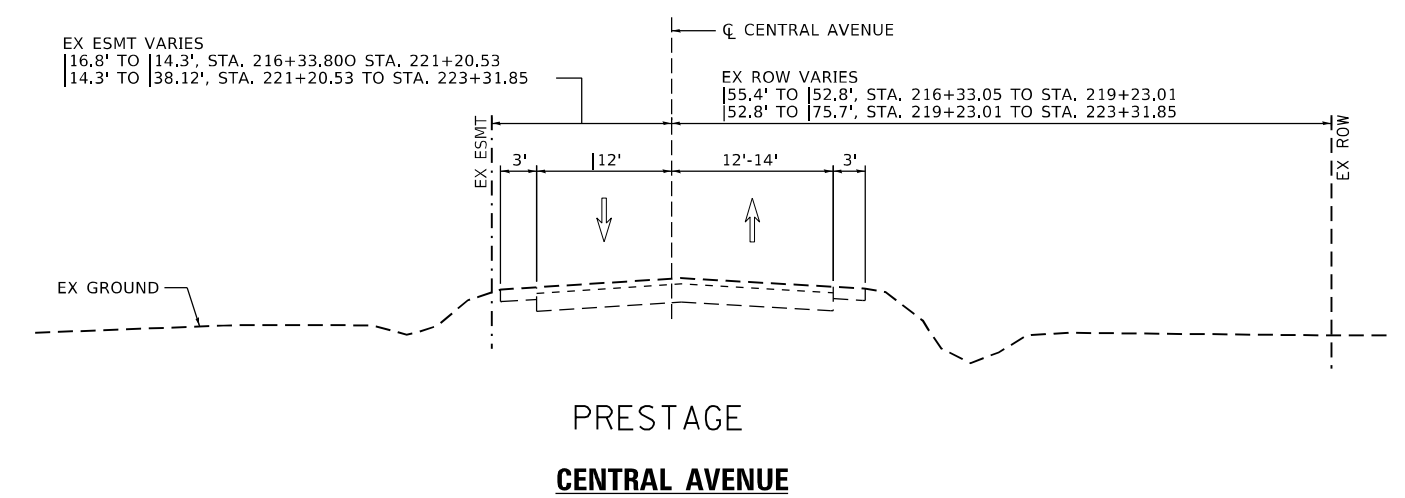
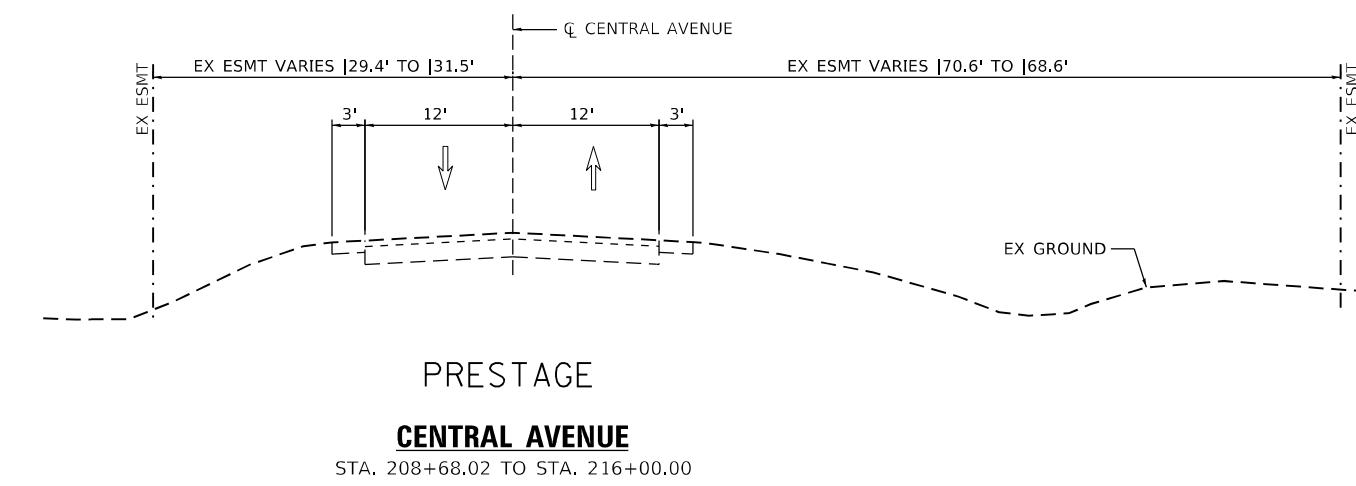
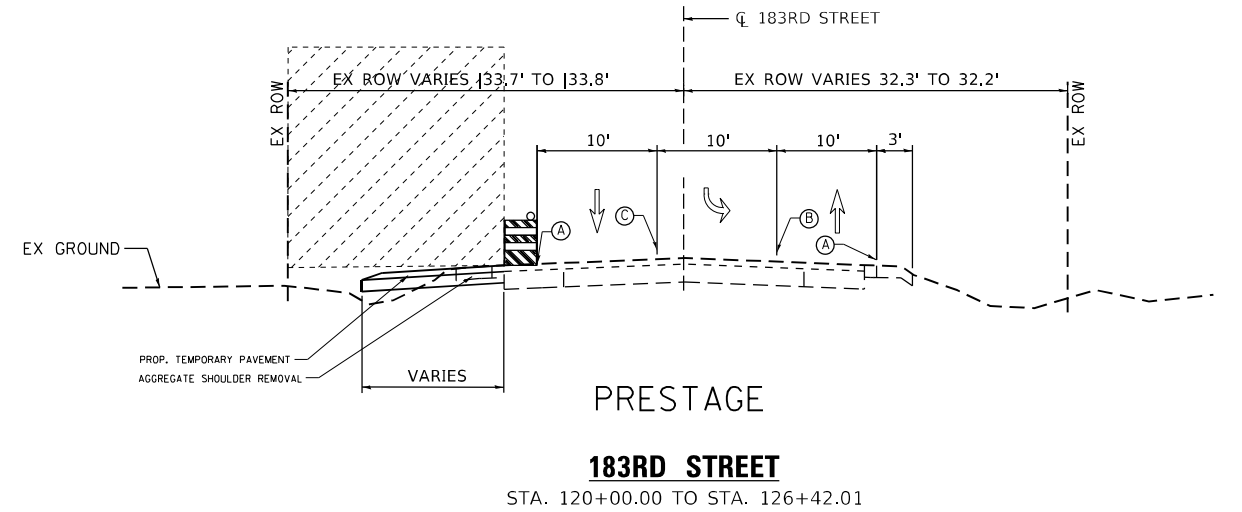
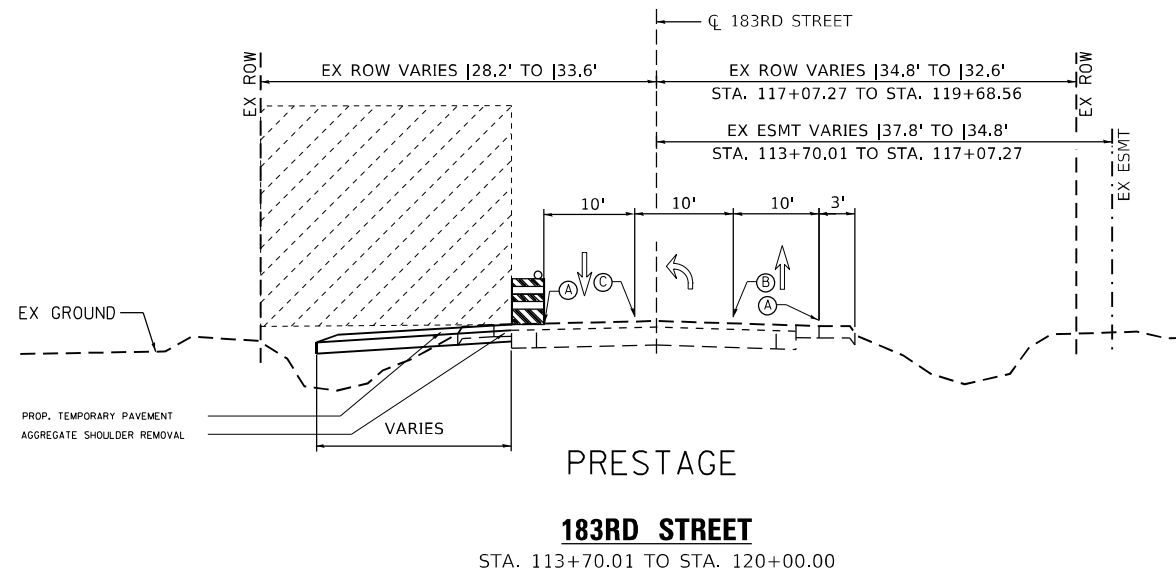
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USER NAME = Omar,Mesad	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 200,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS, TIES AND BENCHMARKS (183RD ST. AT CENTRAL AVENUE)			
SCALE: 1"=100'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TSG&N	COOK	91	18
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



• NOTE: SEE ROADWAY TYPICAL SECTIONS FOR DETAILED PROPOSED TYPICAL SECTION

PRESTAGE (TEMPORARY PAVEMENT):

- REDUCE EASTBOUND & WESTBOUND 183RD STREET TO 10 FT THRU LANE AND CLOSE CENTRAL AVENUE NORTH LEG LANES
- PLACE BARRICADES AND DRUMS EB AND WB SIDE OF 183RD STREET
- VARIABLE LENGTH TEMPORARY PAVEMENT TO BE ADDED ONE SIDE AT A TIME ALONG HALIGUS RD.

LEGEND:

<p>(A) TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID WHITE EDGE LINE</p> <p>(B) TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID DOUBLE YELLOW @ 11" C-C</p> <p>WORK ZONE</p>	<p>DOUBLE VERTICAL PANEL PLACED 50' CENTERS ALONG TANGENT SECTIONS, IN TAPER (20 FT C-C) IN CURVES & RADII (25 FT C-C) WITH STEADY BURN BI-DIRECTIONAL LIGHTS</p> <p>TEMPORARY CONCRETE BARRIER</p> <p>DRUMS OR TY II BARRICADE AT 50 FT SPACING DEVICES IN TAPER (20 FT C-C) DEVICES IN CURVES & RADII (25 FT C-C) WITH STEADY BURN BI-DIRECTIONAL LIGHTS</p>
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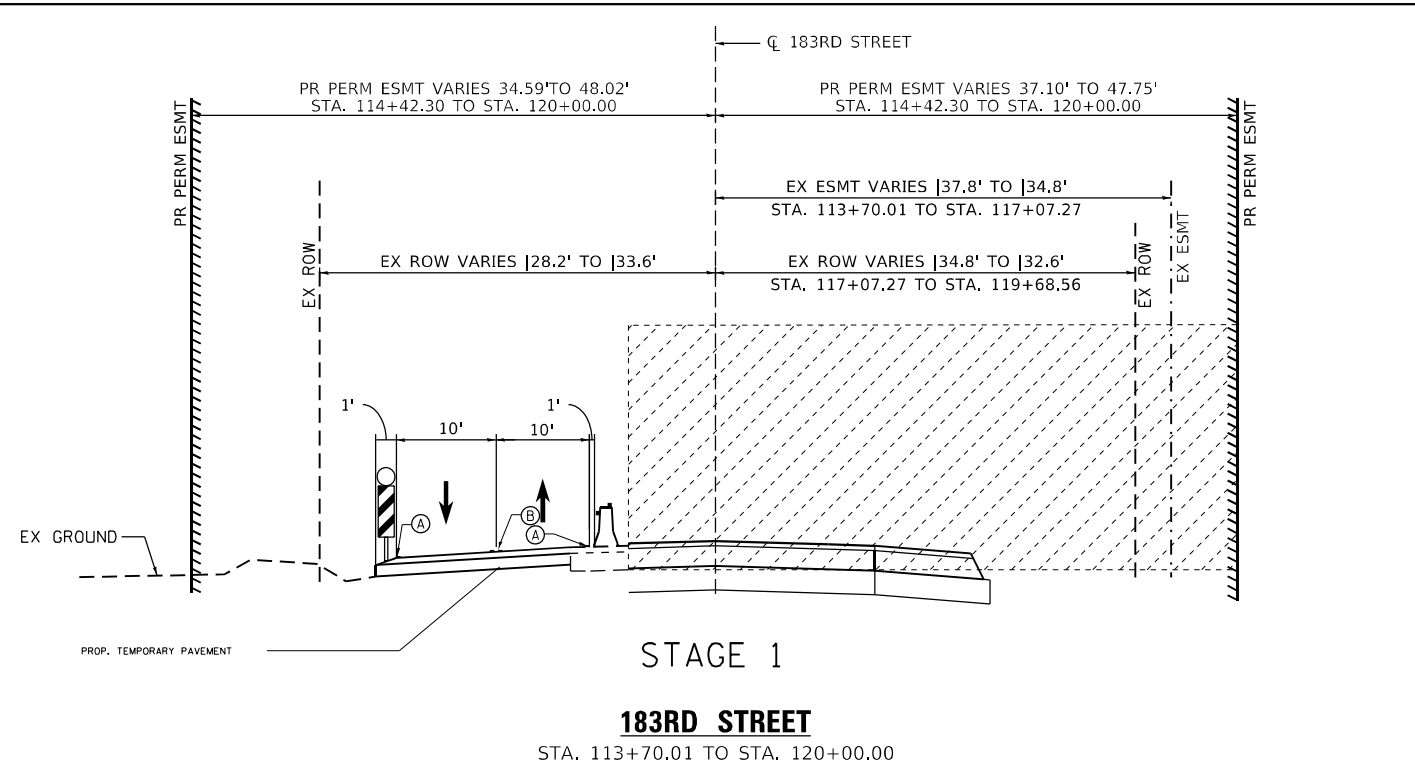
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DRAWN - SB	REVISIONS	
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PLOT DATE = 12/16/2022	DATE - 8/24/2018	REVISED -

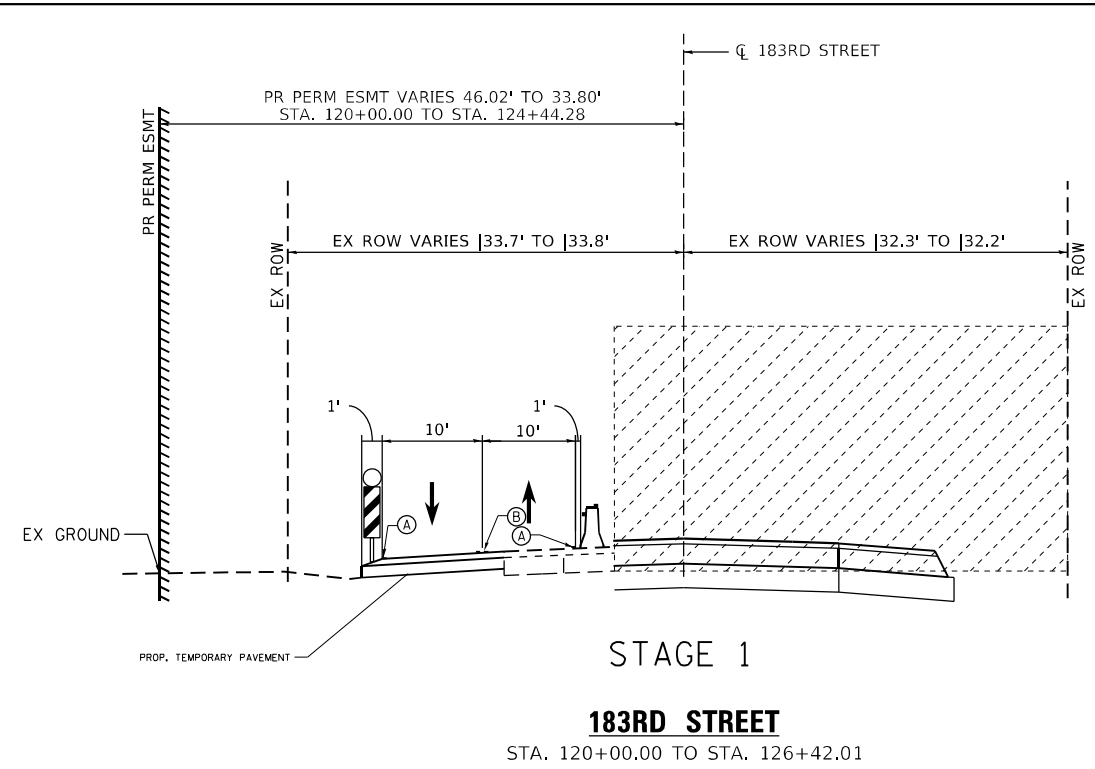
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

183RD STREET AT CENTRAL AVENUE MAINTENANCE OF TRAFFIC TYPICALS			
SCALE: 1" = 50'	SHEET 1	OF 3 SHEETS	STA. TO STA.

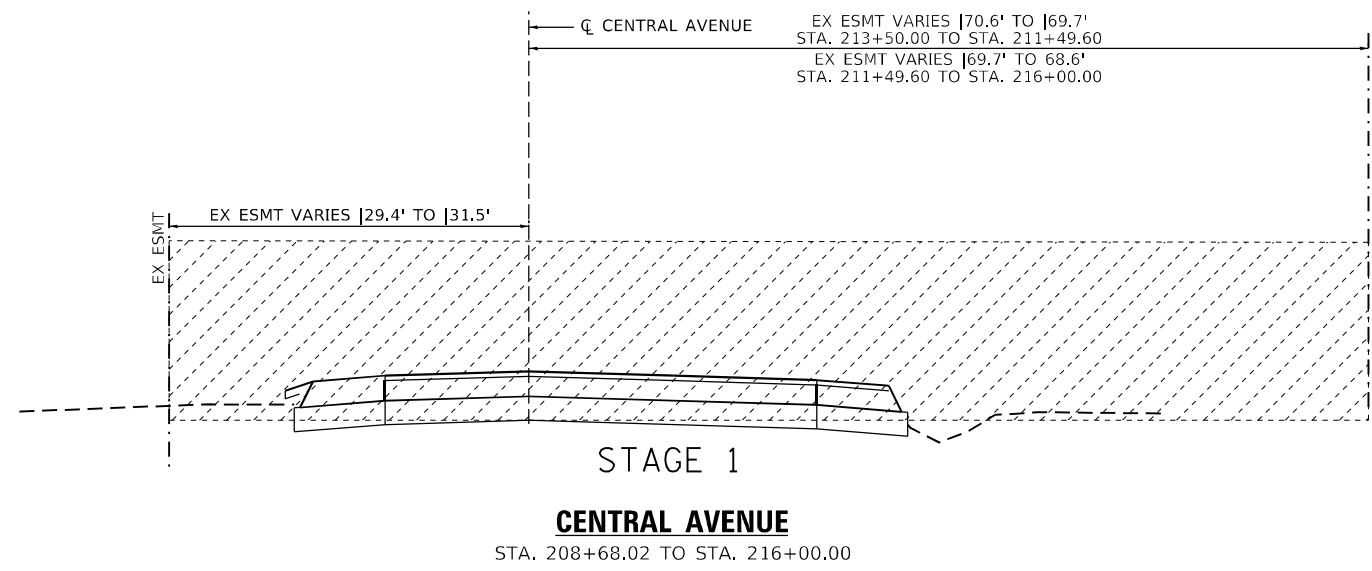
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	19
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



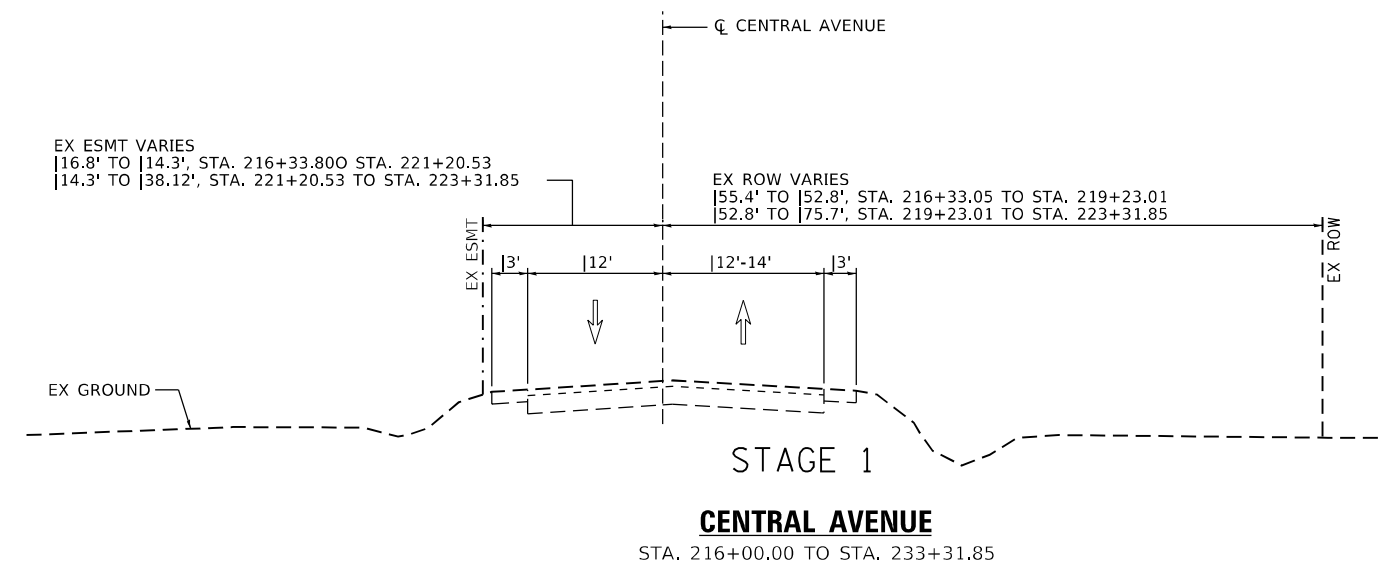
STAGE 1
183RD STREET
STA. 113+70.01 TO STA. 120+00.00



STAGE 1
183RD STREET
STA. 120+00.00 TO STA. 126+42.01



STAGE 1
CENTRAL AVENUE
STA. 208+68.02 TO STA. 216+00.00



STAGE 1
CENTRAL AVENUE
STA. 216+00.00 TO STA. 233+31.85

• NOTE: SEE ROADWAY TYPICAL SECTIONS FOR DETAILED PROPOSED TYPICAL SECTION

STAGE 1 (SOUTH SIDE CONSTRUCTION):

- SHIFT EASTBOUND 183RD STREET TRAFFIC TO UTILIZE THE NEWLY CONSTRUCTED TEMP. PAVEMENT
- REDUCE TO 10 FT LANES OF TRAFFIC IN EACH DIRECTION OF 183RD STREET
- RESTRICT LEFT TURN LANES ON 183RD STREET
- PLACE TEMPORARY CONCRETE BARRIER OR DRUMS ALONG 183RD STREET
- CONSTRUCT NEW PAVEMENT WIDENING, SHOULDER, AND ROADSIDE FEATURES ON THE SOUTHSIDE OF THE ROADWAY

LEGEND:

- (A) TEMPORARY PAVEMENT MARKING, TYPE IV
4" SOLID WHITE EDGE LINE
- (B) TEMPORARY PAVEMENT MARKING, TYPE IV
4" SOLID DOUBLE YELLOW @ 11" C-C
- WORK ZONE
- DOUBLE VERTICAL PANEL
PLACED 50' CENTERS ALONG TANGENT
SECTIONS, IN TAPER (20 FT C-C)
IN CURVES & RADII (25 FT C-C)
WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- TEMPORARY CONCRETE BARRIER WITH TYPE C
REFLECTORS PER HIGHWAY STANDARDS 704001
AND 782006
- DRUMS OR TY II BARRICADE AT 50 FT SPACING
DEVICES IN TAPER (20 FT C-C)
DEVICES IN CURVES & RADII (10 FT C-C)
WITH STEADY BURN BI-DIRECTIONAL LIGHTS

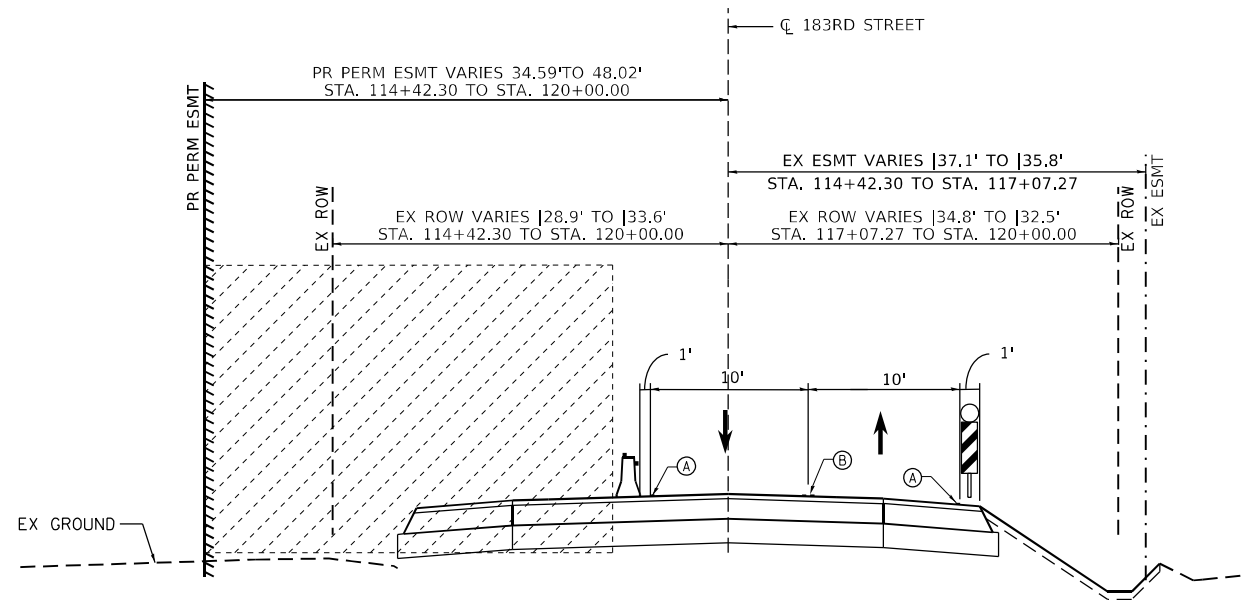
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DRAWN - SB	REVISIONS -	
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PLOT DATE = 12/16/2022	DATE - 8/24/2018	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

183RD STREET AT CENTRAL AVENUE MAINTENANCE OF TRAFFIC TYPICALS			
SCALE: 1" = 50'	SHEET 2	OF 3 SHEETS	STA. TO STA.

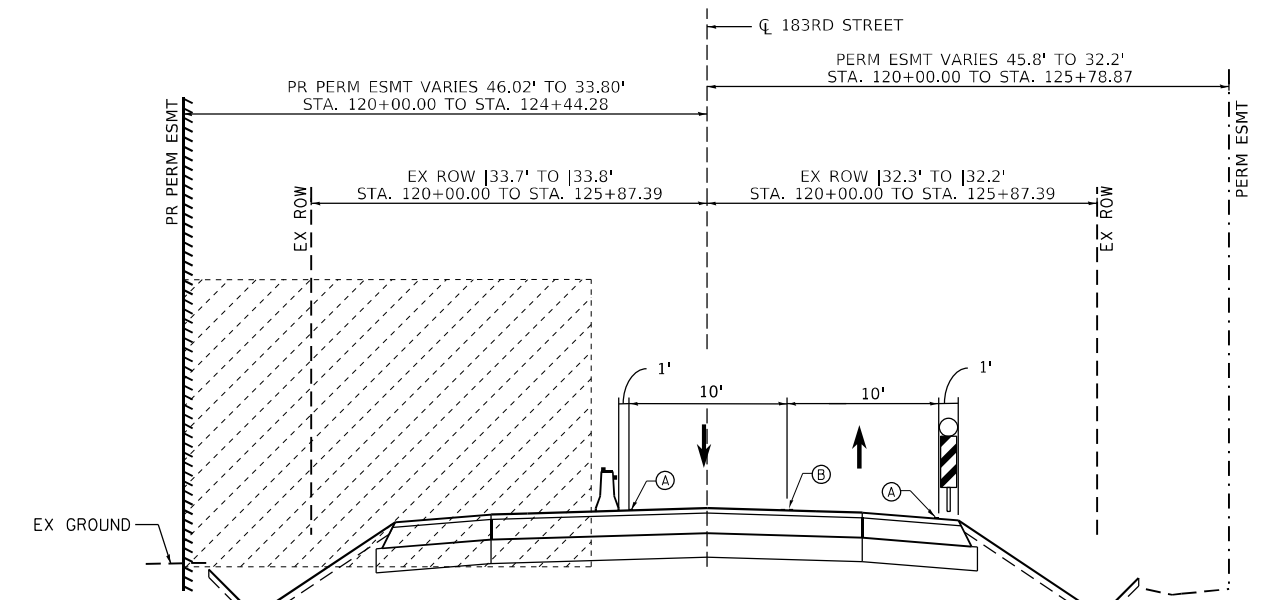
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1622	2019-130-TS&N	COOK	91	20
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



STAGE 2

183RD STREET

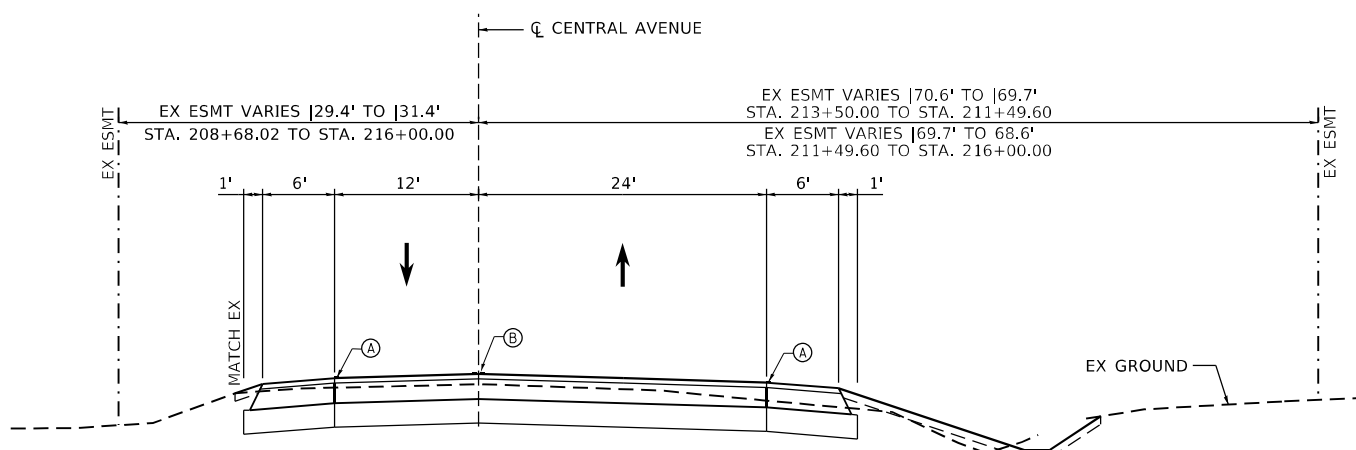
STA. 113+70.01 TO STA. 120+00.00



STAGE 2

183RD STREET

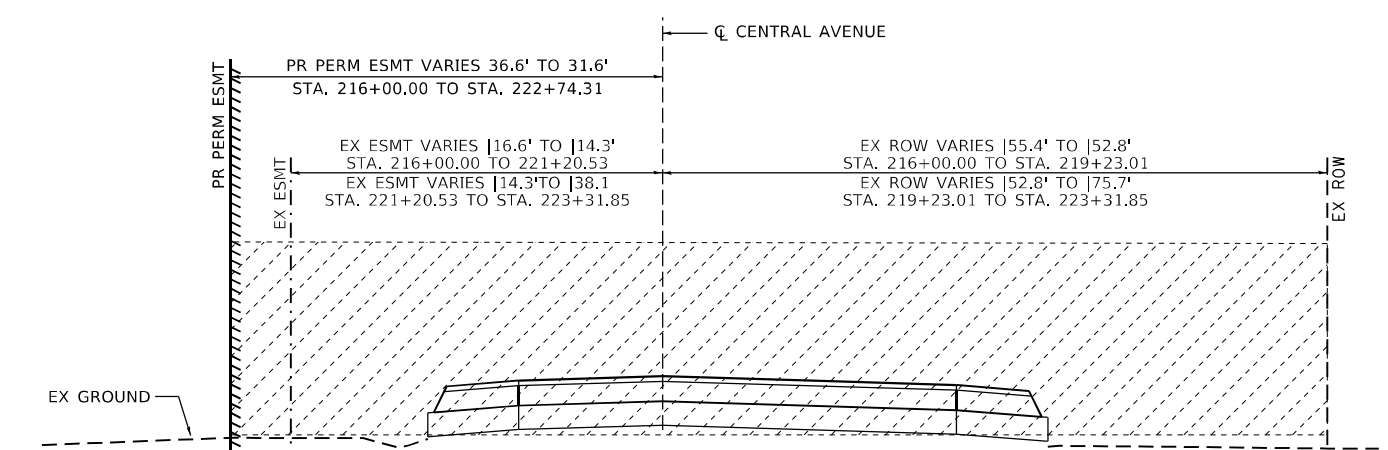
STA. 120+00.00 TO STA. 126+42.01



STAGE 2

CENTRAL AVENUE

STA. 208+68.02 TO STA. 216+00.00



STAGE 2

CENTRAL AVENUE

STA. 216+00.00 TO STA. 233+31.85

• NOTE: SEE ROADWAY TYPICAL SECTIONS FOR DETAILED PROPOSED TYPICAL SECTION

STAGE 2 (NORTH SIDE CONSTRUCTION):

- SHIFT EASTBOUND AND WESTBOUND 183RD STREET TRAFFIC ON THE NEWLY CONSTRUCTED EASTBOUND LANE & SHOULDER.
- REDUCE TO 10 FT LANES OF TRAFFIC IN EACH DIRECTION OF 183RD STREET.
- PLACE TEMPORARY CONCRETE BARRIER ALONG THE NORTH SIDE OF THE EASTBOUND LANE.
- REMOVE TEMPORARY PAVEMENT
- CONSTRUCT NEW WESTBOUND 183RD STREET PAVEMENT, SHOULDER, AND ROADSIDE FEATURES ON THE NORTH SIDE OF THE ROADWAY.

LEGEND:

- (A) TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID WHITE EDGE LINE
- (B) TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID DOUBLE YELLOW @ 11" C-C
- WORK ZONE
- DOUBLE VERTICAL PANEL PLACED 50' CENTERS ALONG TANGENT SECTIONS, IN TAPER (20 FT C-C) IN CURVES & RADII (25 FT C-C) WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS PER HIGHWAY STANDARDS 704001 AND 782006
- DRUMS OR TY II BARRICADE AT 50 FT SPACING DEVICES IN TAPER (20 FT C-C) DEVICES IN CURVES & RADII (10 FT C-C) WITH STEADY BURN BI-DIRECTIONAL LIGHTS

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USER NAME = Omar,Mesad	DESIGNED - SB	REVISED - 4/29/19 SB
DRAWN - SB	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISIONS -
PLOT DATE = 12/16/2022	DATE - 8/24/2018	REVISIONS -

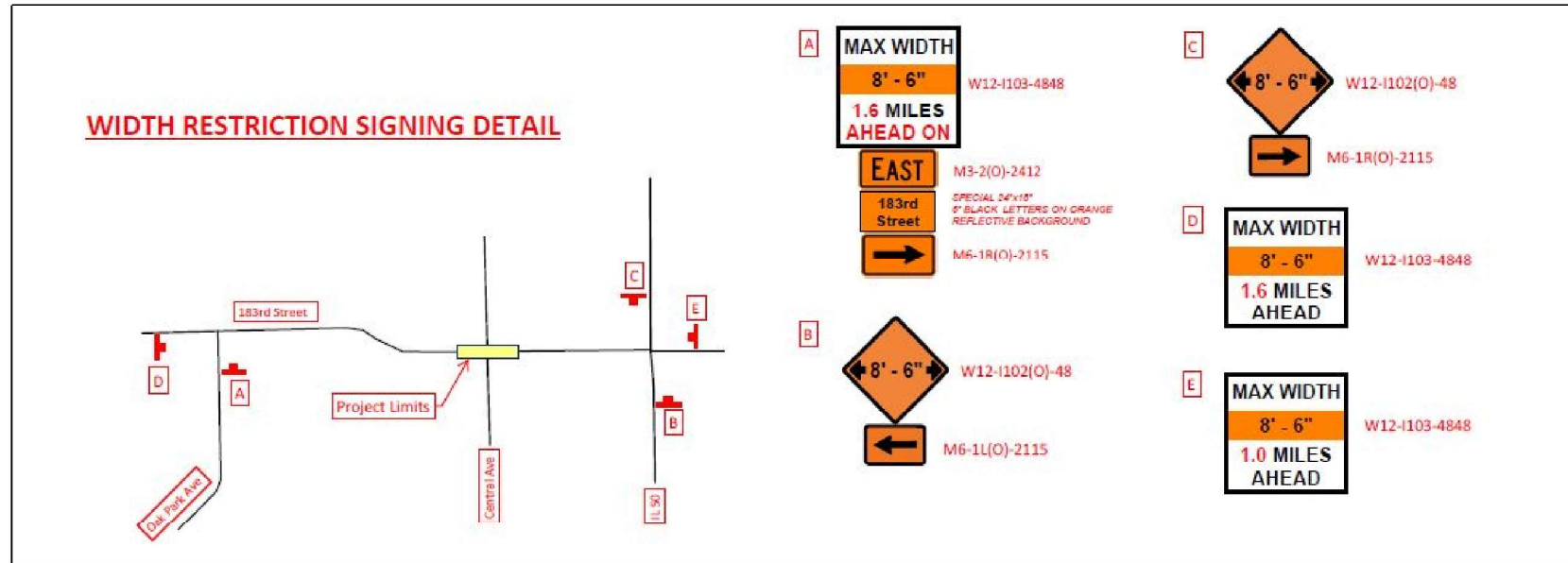
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CENTRAL AVENUE AT 183RD STREET MAINTENANCE OF TRAFFIC TYPICALS	
SCALE: 1" = 50'	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	21
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

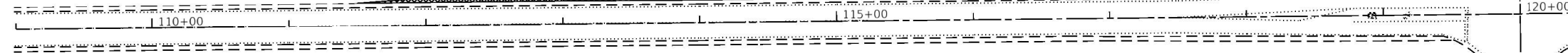


MATCH LINE STA. 122+00



LEGEND

TEMPORARY PAVEMENT



MATCH LINE STA. 122+00

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USER NAME = Omar.Mesad	DESIGNED -	REVISED -
DRAWN -	REVISED -	
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PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

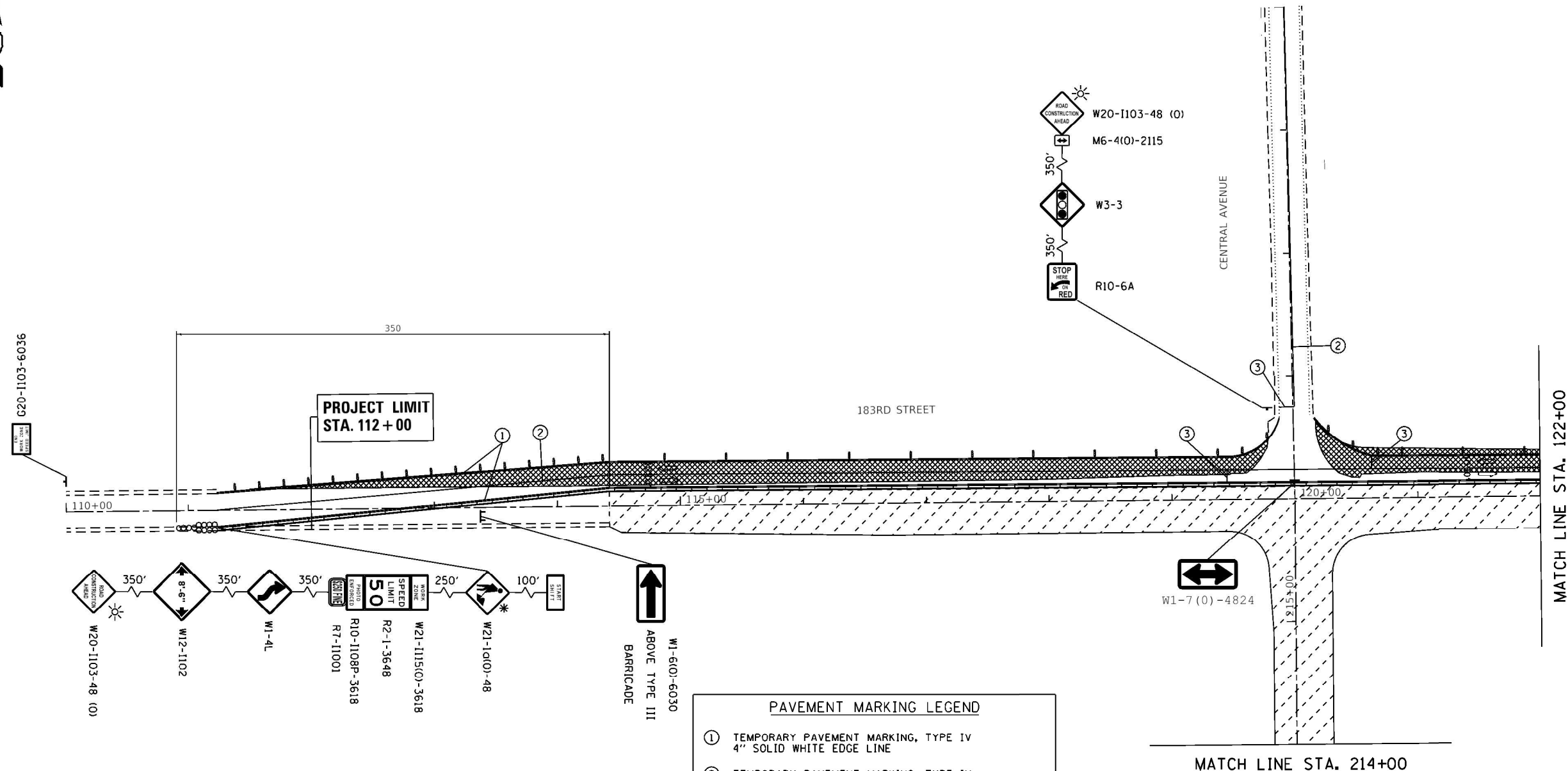
**SUGGESTED MAINTENANCE OF TRAFFIC (PRESTAGE)
183RD STREET AT CENTRAL AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	22
CONTRACT NO. 62K03				
		ILLINOIS	FED. AID PROJECT	



* NOTE: WORKERS SIGN SHALL BE COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



PAVEMENT MARKING LEGEND

- ① TEMPORARY PAVEMENT MARKING, TYPE IV
4" SOLID WHITE EDGE LINE
- ② TEMPORARY PAVEMENT MARKING, TYPE IV
4" SOLID DOUBLE YELLOW @ 11" C-C
- ③ TEMPORARY PAVEMENT MARKING, TYPE IV
24" SOLID WHITE STOP BAR

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- DOUBLE VERTICAL PANEL
PLACED 50' CENTERS ALONG TANGENT
SECTIONS. IN TAPER (20 FT C-C)
IN CURVES & RADII (10 FT C-C)
WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- AMBER FLASHING LIGHT
- TEST LEVEL 3 TEMPORARY ATTENUATOR
- BARRIER WALL REFLECTORS, TYP C
- TYPE III BARRICADE

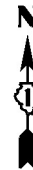
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 USER: Omar.Mesad
 DATE: 12/16/2022

USER NAME = Omar.Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

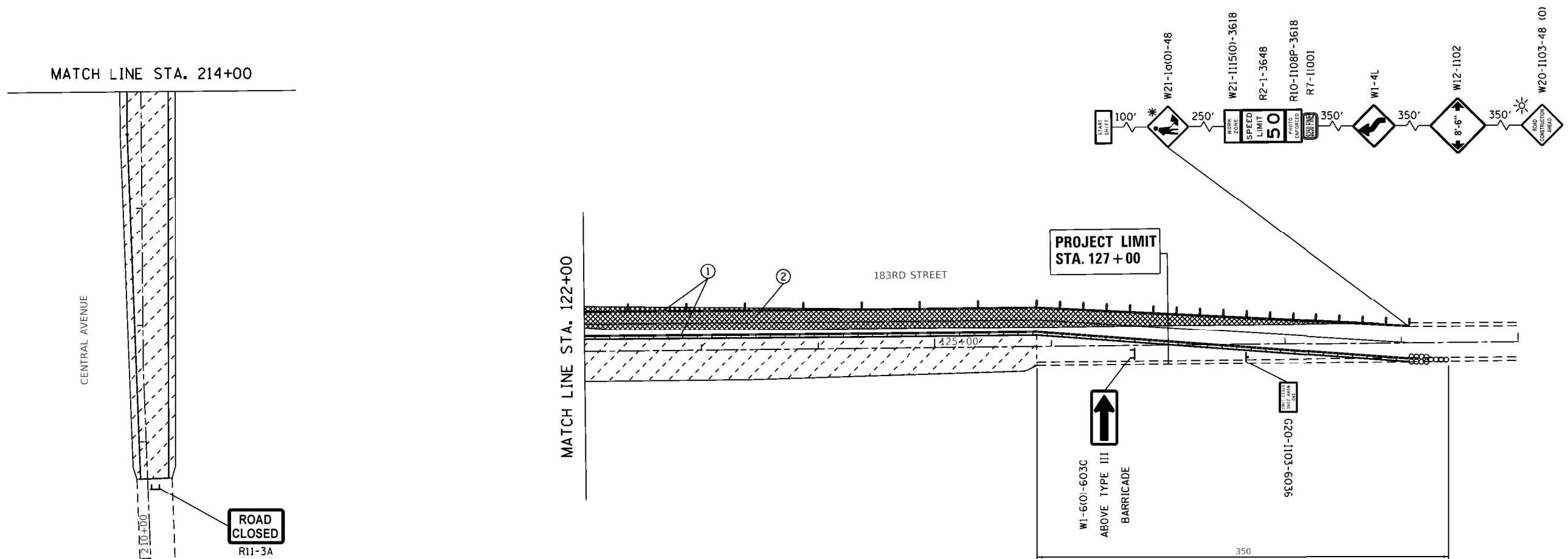
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 1)			
183RD STREET AT CENTRAL AVENUE			
SCALE: 1" = 50'	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	23
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



* NOTE: WORKERS SIGN SHALL BE COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



PAVEMENT MARKING LEGEND	
①	TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID WHITE EDGE LINE
②	TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID DOUBLE YELLOW @ 11" C-C
③	TEMPORARY PAVEMENT MARKING, TYPE IV 24" SOLID WHITE STOP BAR

LEGEND			
	WORK AREA		TEMPORARY PAVEMENT
	DOUBLE VERTICAL PANEL PLACED 50' CENTERS ALONG TANGENT SECTIONS, IN TAPER (20 FT C-C) IN CURVES & RADII (10 FT C-C) WITH STEADY BURN BI-DIRECTIONAL LIGHTS		AMBER FLASHING LIGHT
	TEST LEVEL 3 TEMPORARY ATTENUATOR		BARRIER WALL REFLECTORS, TYP C
	TYPE III BARRICADE		

PROJECT LIMIT
STA. 208 + 00

ROAD
CLOSED
R11-3A

PROJECT LIMIT
STA. 127 + 00

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USER NAME = Omar.Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 1)			
183RD STREET AT CENTRAL AVENUE			
SCALE: 1" = 50'	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-T5&N	COOK	91	24
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



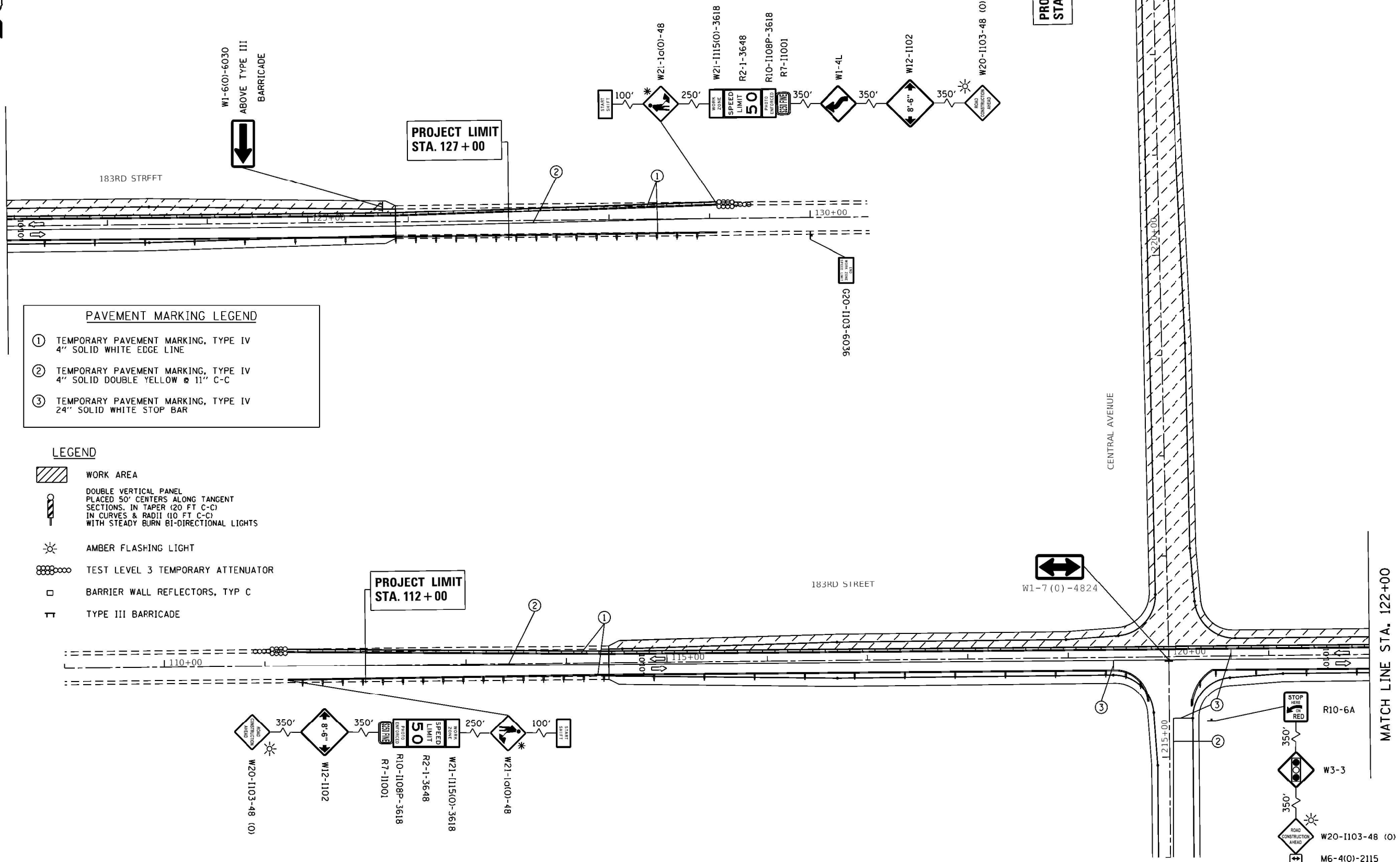
* NOTE: WORKERS SIGN SHALL BE COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

MATCH LINE STA. 122+00

PAVEMENT MARKING LEGEND	
①	TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID WHITE EDGE LINE
②	TEMPORARY PAVEMENT MARKING, TYPE IV 4" SOLID DOUBLE YELLOW @ 11" C-C
③	TEMPORARY PAVEMENT MARKING, TYPE IV 24" SOLID WHITE STOP BAR

LEGEND

- WORK AREA
- DOUBLE VERTICAL PANEL
PLACED 50' CENTERS ALONG TANGENT
SECTIONS, IN TAPER (20' FT C-C)
IN CURVES & RADII (10' FT C-C)
WITH STEADY BURN BI-DIRECTIONAL LIGHTS
- AMBER FLASHING LIGHT
- TEST LEVEL 3 TEMPORARY ATTENUATOR
- BARRIER WALL REFLECTORS, TYP C
- TYPE III BARRICADE



USER NAME = Omar.Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

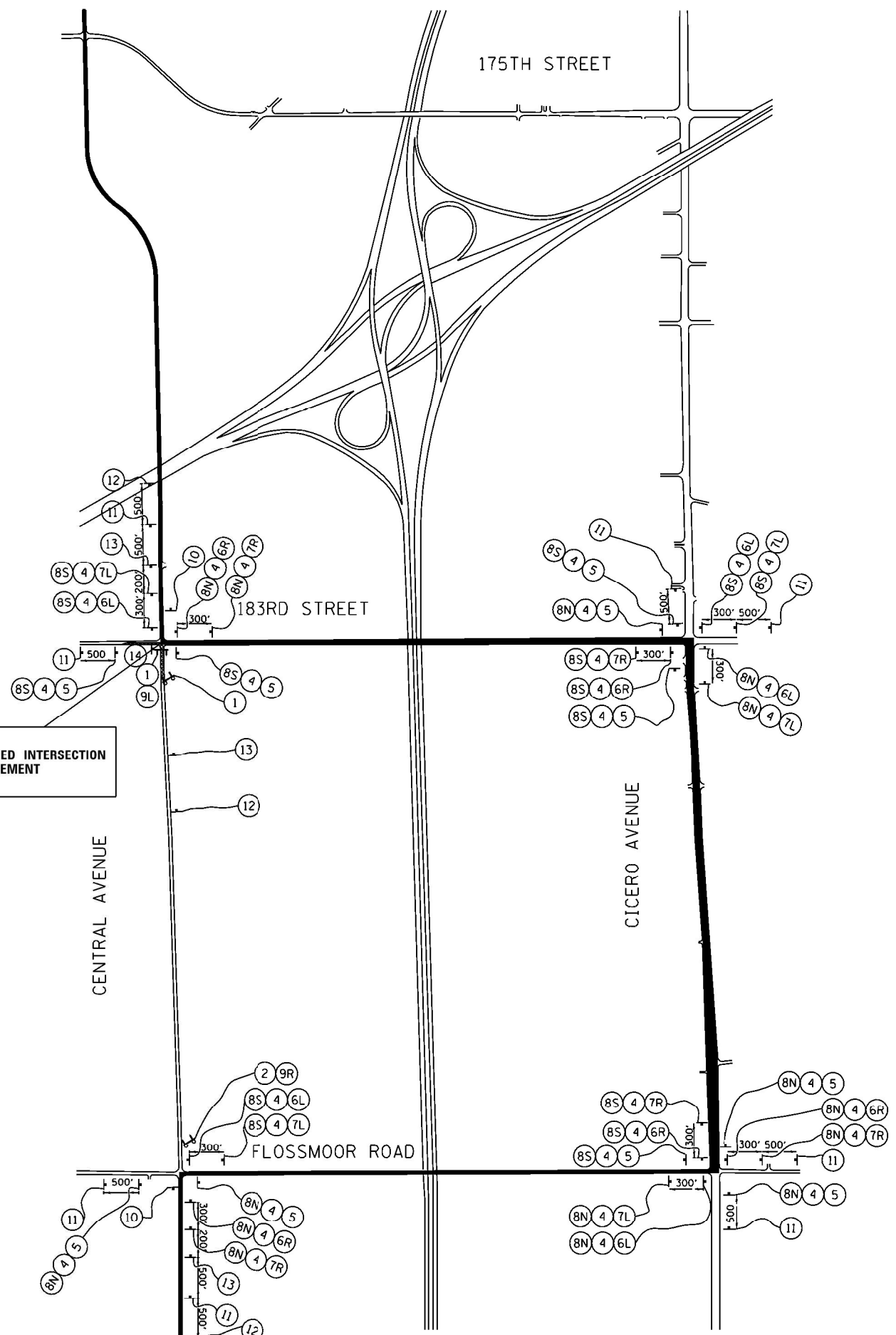
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 2)
183RD STREET AT CENTRAL AVENUE

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-T5&N	COOK	91	25
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

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 DRAWING: 183RD STREET AT CENTRAL AVENUE - SUGGESTED MAINTENANCE OF TRAFFIC (STAGE 2)
 DATE: 12/16/2022



LEGEND

- DETOUR ROUTE
- WORK ZONE
- SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- AMBER FLASHING LIGHT



① ROAD CLOSED R11-2-4830	② ROAD CLOSED 1.0 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A-6030	③ ROAD CLOSED TO THRU TRAFFIC R11-4-6030	④ CENTRAL AVENUE SPECIAL 2418
⑤ DETOUR ↑ M4-9-3024	⑥L DETOUR ← M4-9-3024	⑥R DETOUR → M4-9-3024	⑦L DETOUR ↙ M4-9-3024
⑦R DETOUR ↘ M4-9-3024	⑧S SOUTH M3-3-2412	⑧N NORTH M3-1-2412	⑩ END DETOUR M4-8A-2418
⑨L DETOUR ← M4-10L-4818	⑨R DETOUR → M4-10R-4818	⑪ DETOUR AHEAD W20-2-4848	⑫ ROAD CLOSED AHEAD W20-3-4848
⑬ ROAD CLOSED 500 FT W20-3-4848	⑭ R3-2		

NOTES

1. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH "DETOUR SIGNING FOR CLOSING STATE HIGHWAYS (TC-21)" STANDARD DETAIL.
2. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
3. 3. INSTALL ALL CHANGEABLE MESSAGE SIGNS, INFORMING THE PUBLIC OF THE DETOUR, AT LEAST TWO WEEKS PRIOR TO THE ROADWAY CLOSURE.

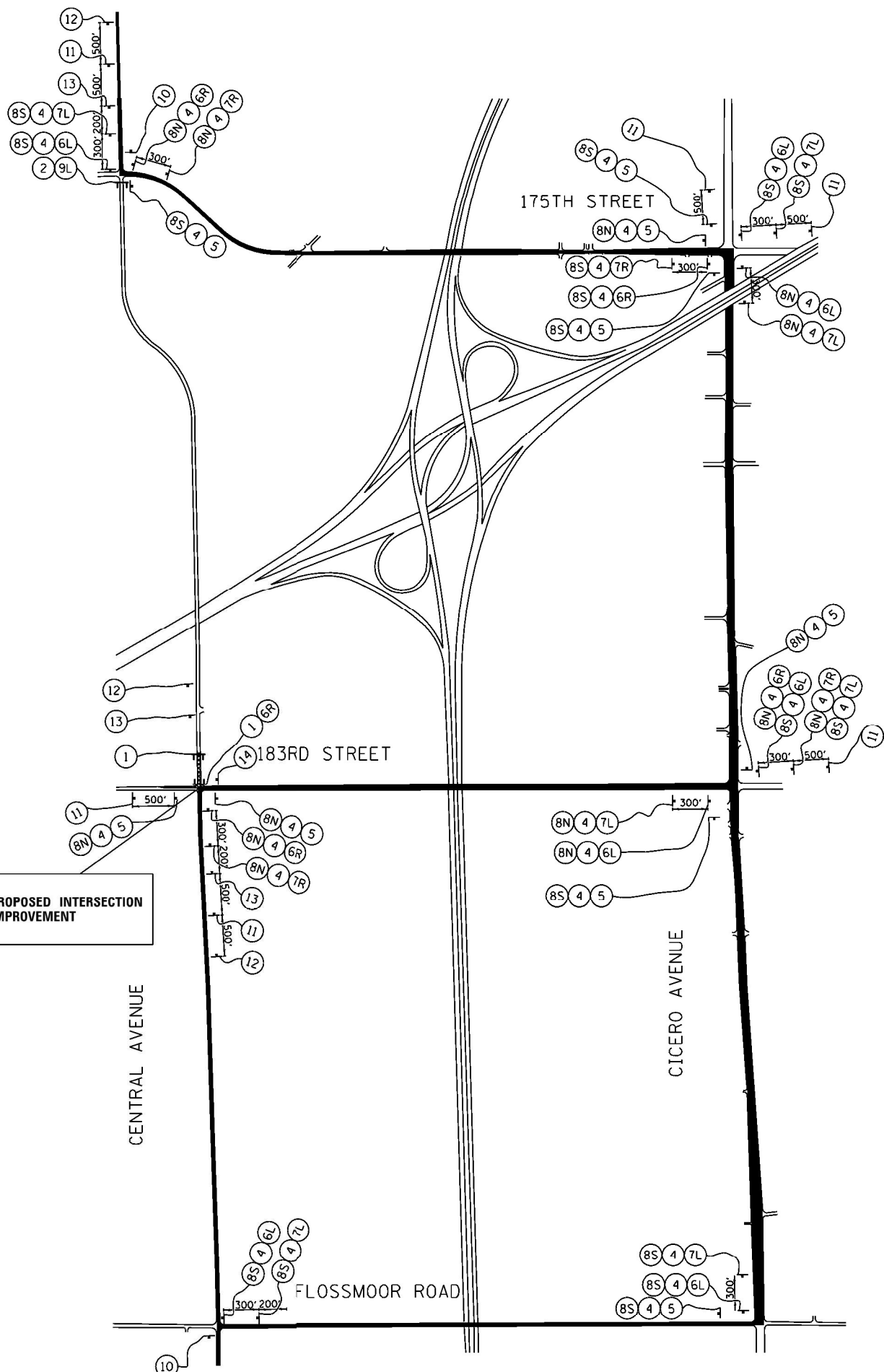
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USER NAME = Omar.Mesad	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

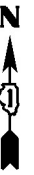
DETOUR PLAN (STAGE I) 183RD STREET AT CENTRAL AVENUE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1622	2019-130-T5&N	COOK	91	26
SCALE:		SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT
				CONTRACT NO. 62K03		

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LEGEND

- DETOUR ROUTE
- WORK ZONE
- SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- AMBER FLASHING LIGHT



 R11-2-4830	 R11-3A-6030	 R11-4-6030	 SPECIAL 2418	
 M4-9-3024	 M4-9-3024	 M4-9-3024	 M4-9-3024	 M4-9-3024
 M3-3-2412	 M3-1-2412	 M4-8A-2418	 W20-2-4848	 W20-3-4848
 M4-10L-4818	 M4-10R-4818	 W20-3-4848	 R3-2	

NOTES

1. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH "DETOUR SIGNING FOR CLOSING STATE HIGHWAYS (TC-21)" STANDARD DETAIL.
2. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
3. 3. INSTALL ALL CHANGEABLE MESSAGE SIGNS, INFORMING THE PUBLIC OF THE DETOUR, AT LEAST TWO WEEKS PRIOR TO THE ROADWAY CLOSURE.

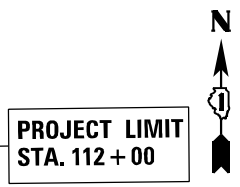
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN (STAGE II)
183RD STREET AT CENTRAL AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-T5&N	COOK	91	27
CONTRACT NO. 62K03				
		ILLINOIS	FED. AID PROJECT	



PROJECT LIMIT
STA. 112 + 00

RECONSTRUCTION LIMIT
STA. 114 + 42.3

183rd ST.

CENTRAL AVE.

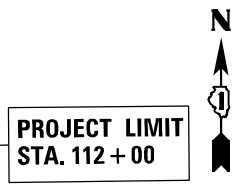
WETLAND SITE 2
TOTAL AREA: 0.09 ACRE
PERMANENTLY IMPACTED AREA: 0.0881 ACRE

RECONSTRUCTION LIMIT
STA. 125 + 87.39

PROJECT LIMIT
STA. 127 + 00

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	NO. _____	



PROJECT LIMIT
STA. 112 + 00

RECONSTRUCTION LIMIT
STA. 114 + 42.3

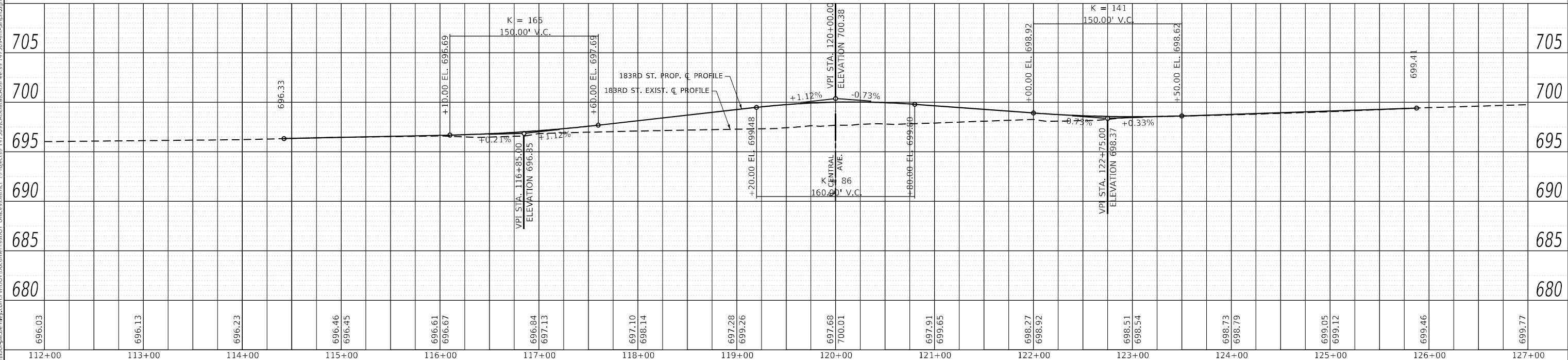
183rd ST.

CENTRAL AVE.

PROPOSED HMA PAVEMENT (FD), 9 3/4"

RECONSTRUCTION LIMIT
STA. 125 + 87.39

PROJECT LIMIT
STA. 127 + 00



USER NAME	= Omar,Mesad	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-
DESIGNED					
DRAWN					
CHECKED					
DATE					

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
183RD STREET AT CENTRAL AVENUE**

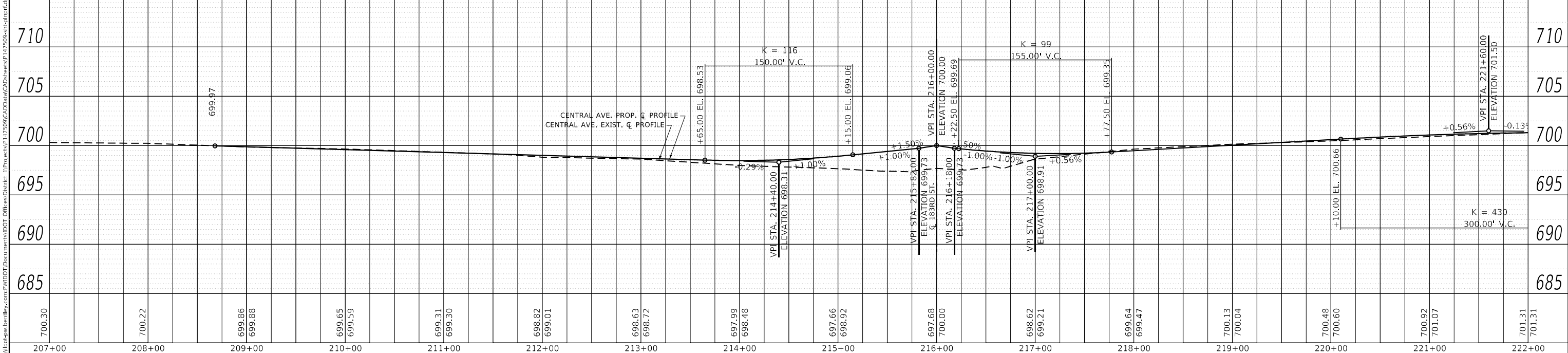
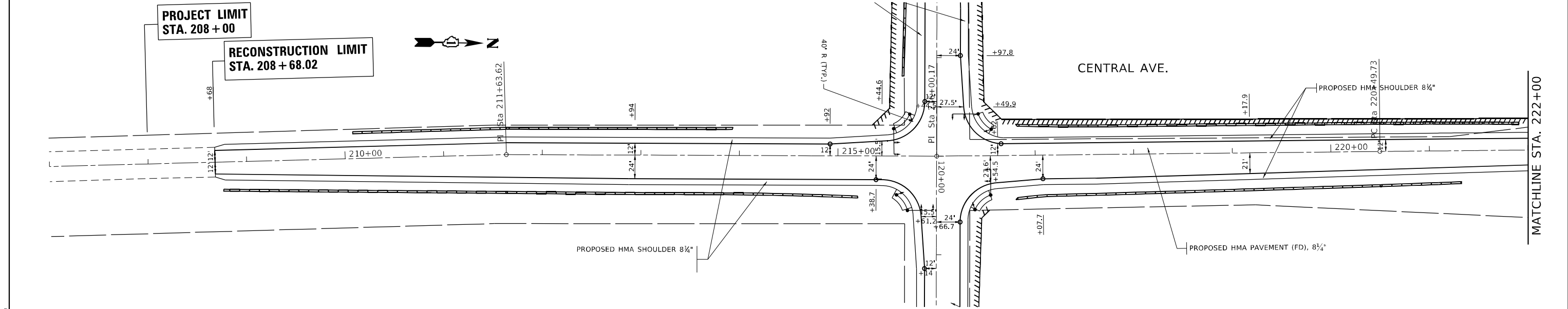
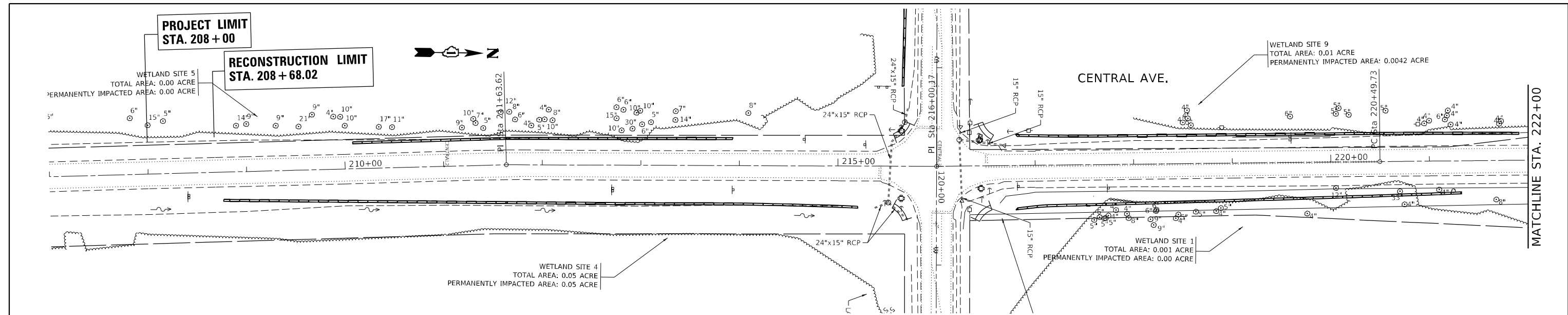
SCALE: 1" = 50'H 5"V SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-T5&N	COOK	91	28
				CONTRACT NO. 62K03
				ILLINOIS FED. AID PROJECT

MODEL: Default FILE NAME: j:\11201\183rd-Central\183rd-Central\183rd-Central\183rd-Central.dwg

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	ALIGNMENT CHECKED	
	STRUCTURE NOTARIS CIPWD	
	CADD FILE NAME	
	NO.	

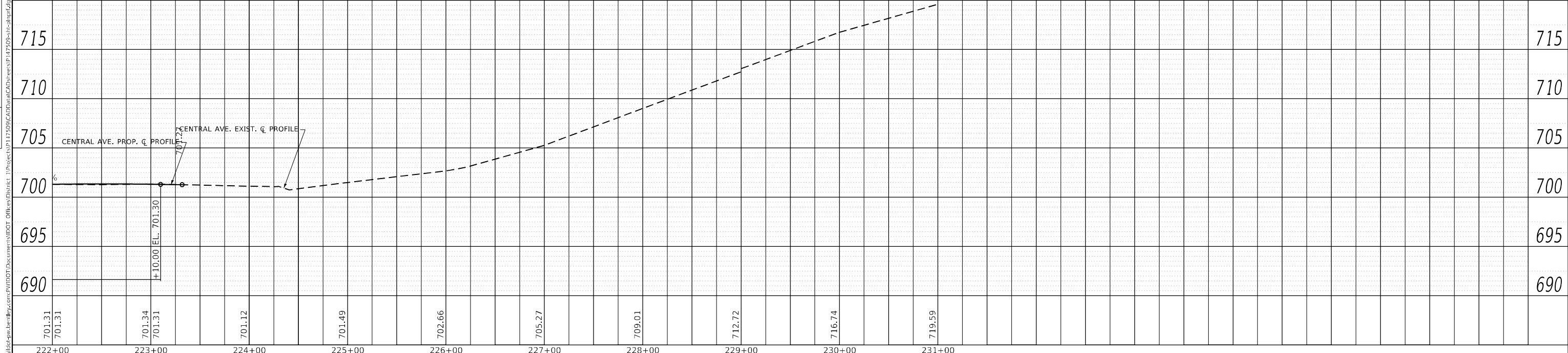
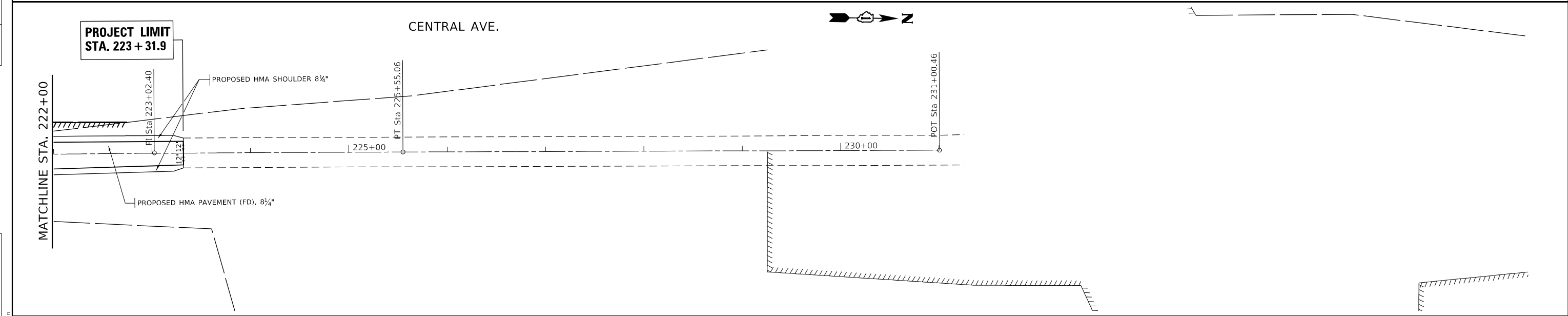
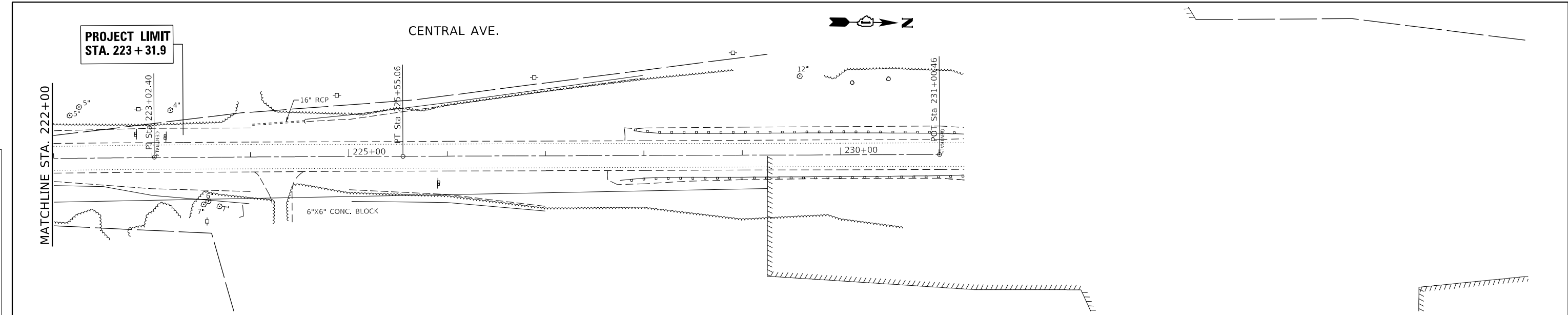
PROFILE	SURVEYED	DATE
	PLOTTED	
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MODEL: Default	USER NAME = Omar, Mesad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE 183RD STREET AT CENTRAL AVENUE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME: p:\111111\epw\berlin\p\com\p\111111\DOT\Documents\183rd_Central_Ave\183rd_Central_Ave.dwg	PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -		1622	2019-130-TS&N	COOK	91	29				
	PLOT DATE = 12/16/2022	CHECKED -	REVISED -		SCALE: 1" = 50'H 5'V SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62K03				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTARIS QIWD	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTARIS QIWD	
	NO.	



USER NAME = Omar, Mesad	DESIGNED -	REVISD -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISD -
PLOT DATE = 12/16/2022	CHECKED -	REVISD -
	DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -






**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
183RD STREET AT CENTRAL AVENUE**

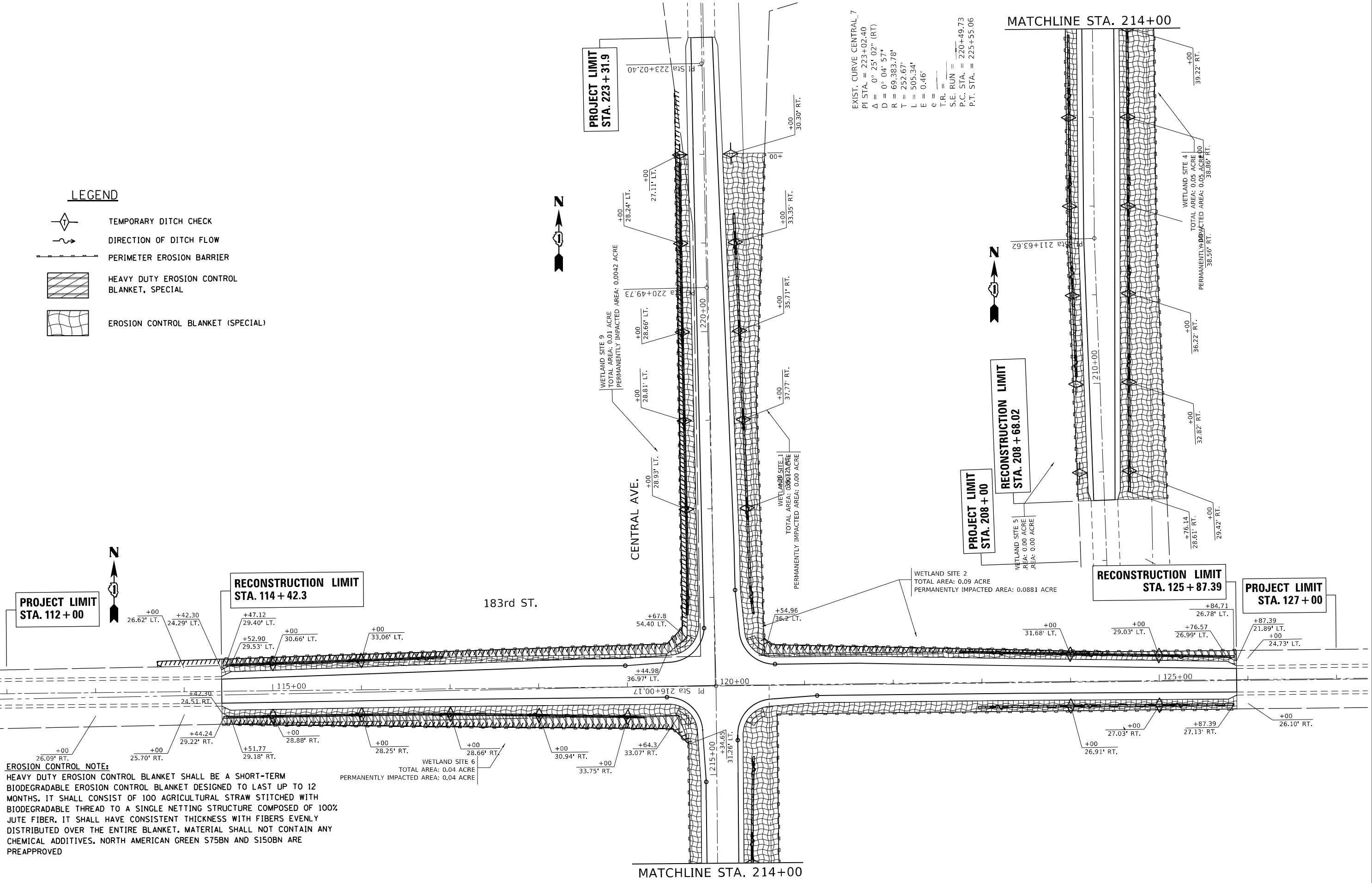
SCALE: 1" = 50'H 5"V SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	30
CONTRACT NO. 62K03			ILLINOIS FED. AID PROJECT	

LEGEND

-  TEMPORARY DITCH CHECK
-  DIRECTION OF DITCH FLOW
-  PERIMETER EROSION BARRIER
-  HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
-  EROSION CONTROL BLANKET (SPECIAL)

EXIST. CURVE CENTRAL 7
 PI STA. = 223+02.40
 Δ = 0° 25' 02" (RT)
 D = 0° 04' 57"
 R = 69,383.78'
 T = 252.67'
 L = 505.34'
 E = 0.46'
 G =
 T.R. =
 S.E. RUN = 220+49.73
 P.C. STA. = 225+55.06
 P.T. STA. = 225+55.06



EROSION CONTROL NOTE:
 HEAVY DUTY EROSION CONTROL BLANKET SHALL BE A SHORT-TERM BIODEGRADABLE EROSION CONTROL BLANKET DESIGNED TO LAST UP TO 12 MONTHS. IT SHALL CONSIST OF 100 AGRICULTURAL STRAW STITCHED WITH BIODEGRADABLE THREAD TO A SINGLE NETTING STRUCTURE COMPOSED OF 100% JUTE FIBER. IT SHALL HAVE CONSISTENT THICKNESS WITH FIBERS EVENLY DISTRIBUTED OVER THE ENTIRE BLANKET. MATERIAL SHALL NOT CONTAIN ANY CHEMICAL ADDITIVES. NORTH AMERICAN GREEN S75BN AND S150BN ARE PREAPPROVED

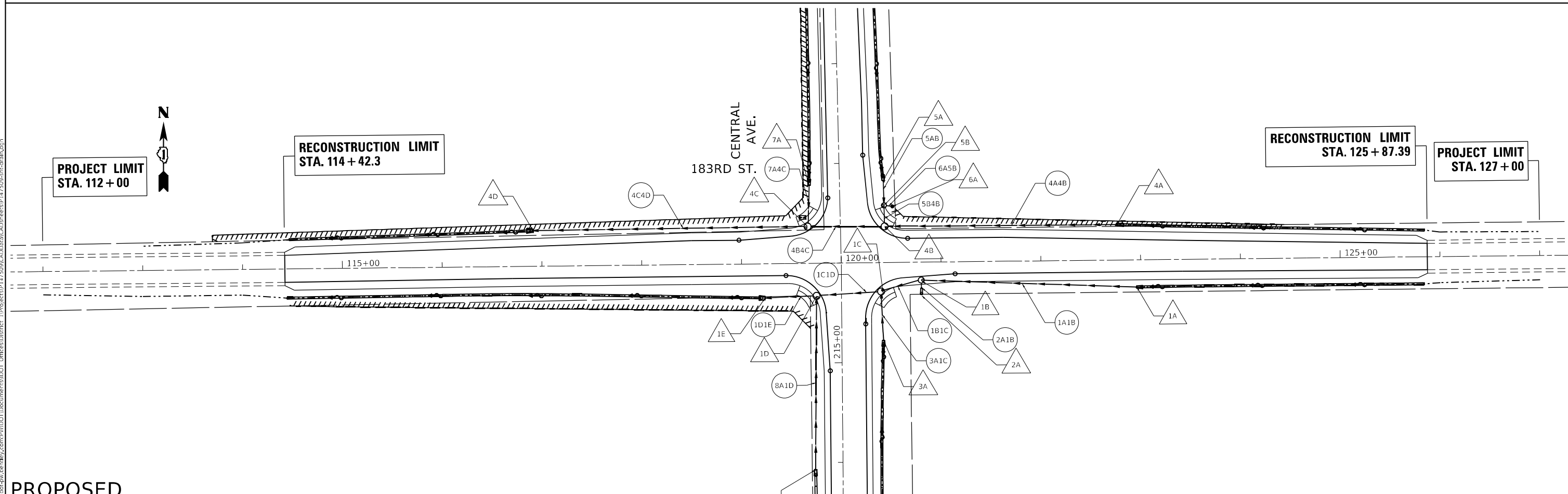
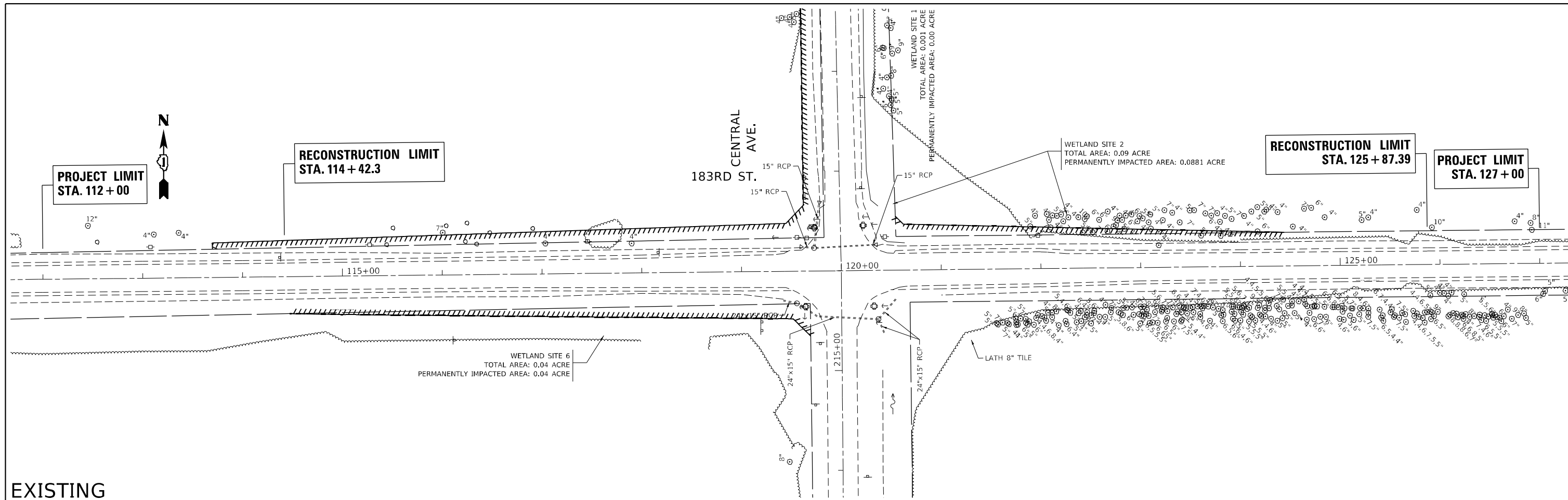
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USER NAME = Omar,Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN 183RD STREET AT CENTRAL AVENUE	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	31
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



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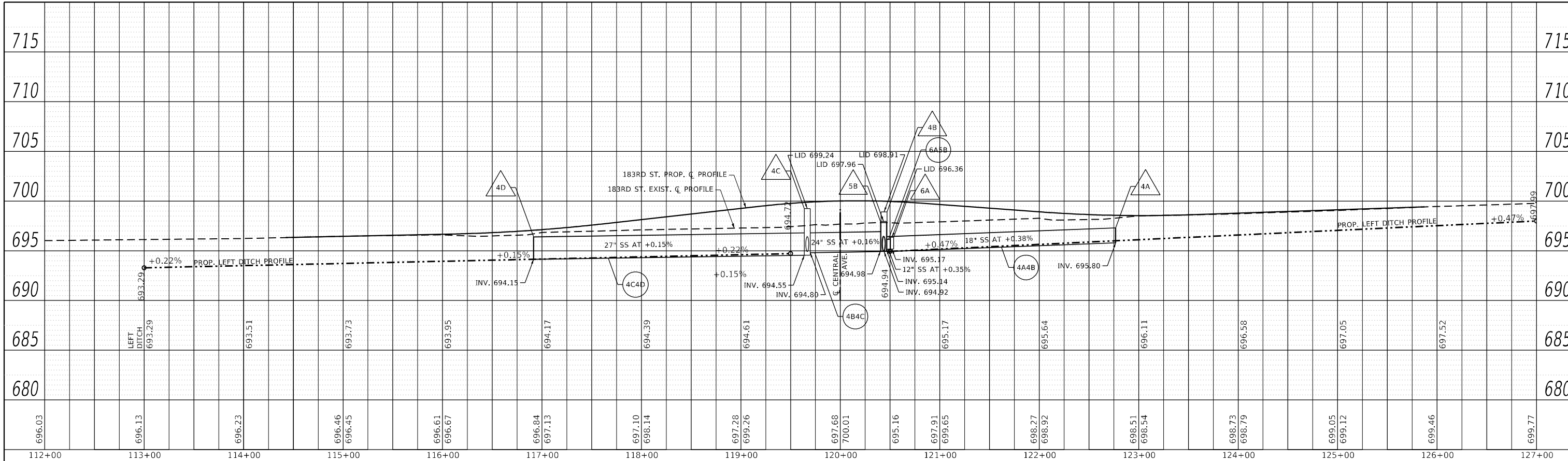
USER NAME = Omar,Mesad	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED DRAINAGE PLAN			
183RD STREET AT CENTRAL AVENUE			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

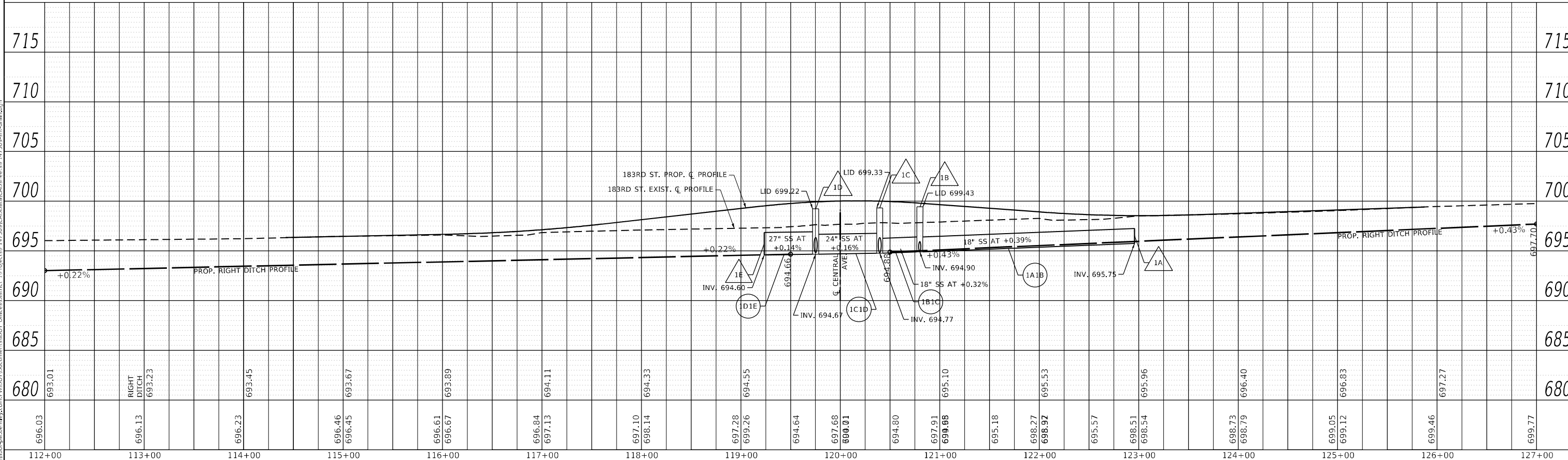
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	32
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

PLAN		DATE	
SURVEYED	BY		
PLOTTED			
ALIGNMENT CHECKED			
NOTE BOOK NO.			
CADD FILE NAME			



LEFTSIDE

RIGHTSIDE



PROFILE		DATE	
SURVEYED	BY		
PLOTTED			
GRADES CHECKED			
STRUCTURE NOTATIONS CHECKED			
NOTE BOOK NO.			
CADD FILE NAME			

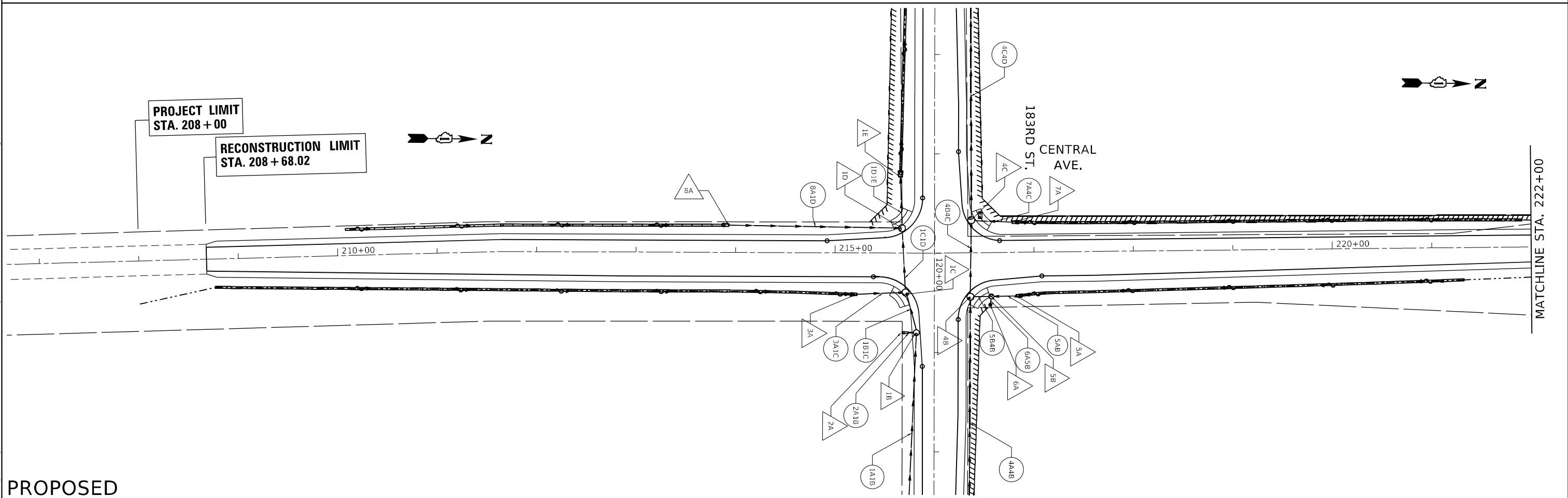
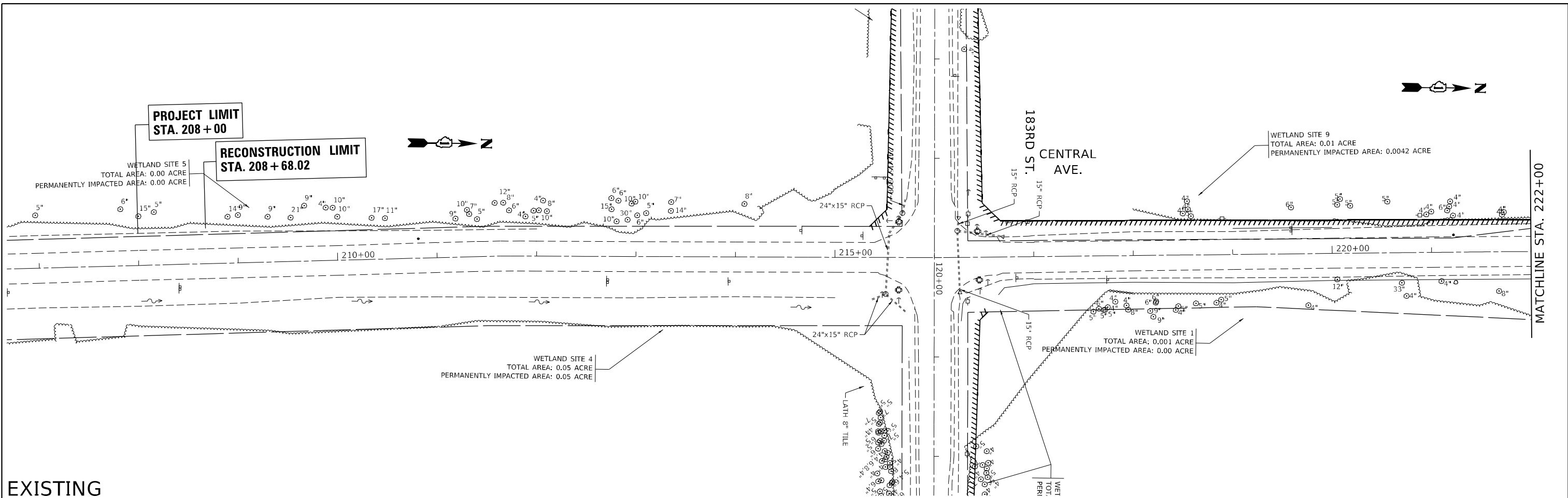
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DATE: 12/16/2022

USER NAME = Omar, Mesad	DESIGNED -	REVISD -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISD -
PLOT DATE = 12/16/2022	CHECKED -	REVISD -
	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PROFILE			
183RD STREET AT CENTRAL AVENUE			
SCALE: 1" = 5' V 50' H	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	33
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



USER NAME	= Omar,Mesad
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 12/16/2022

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

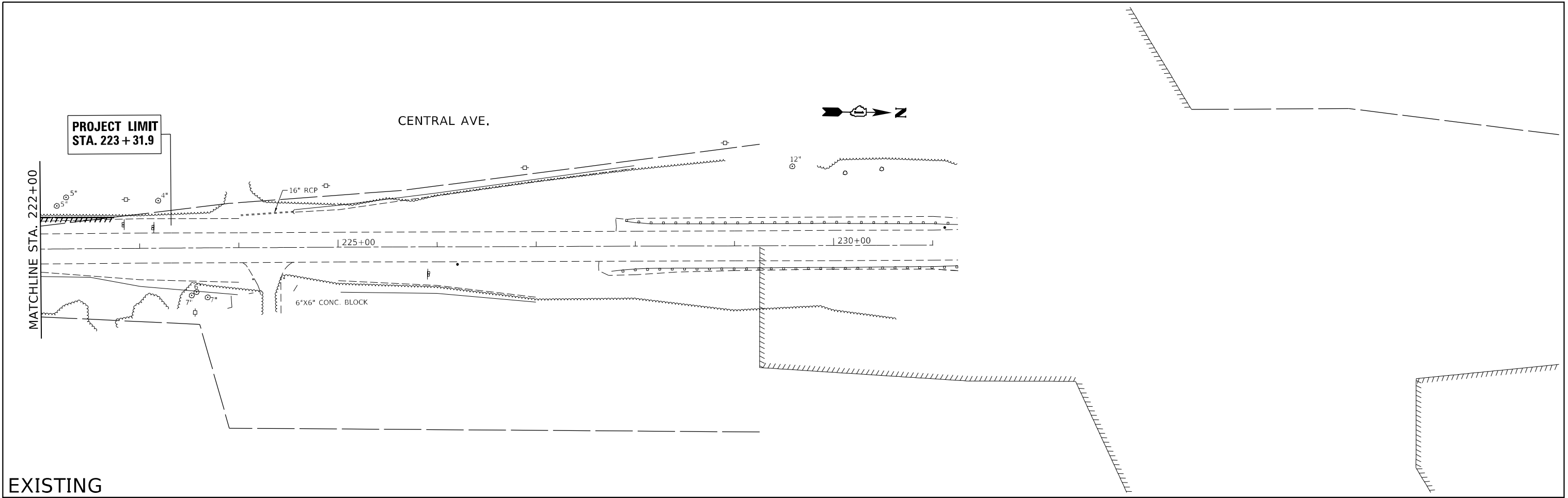
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183RD STREET AT CENTRAL AVENUE**

SCALE: 1" = 50'

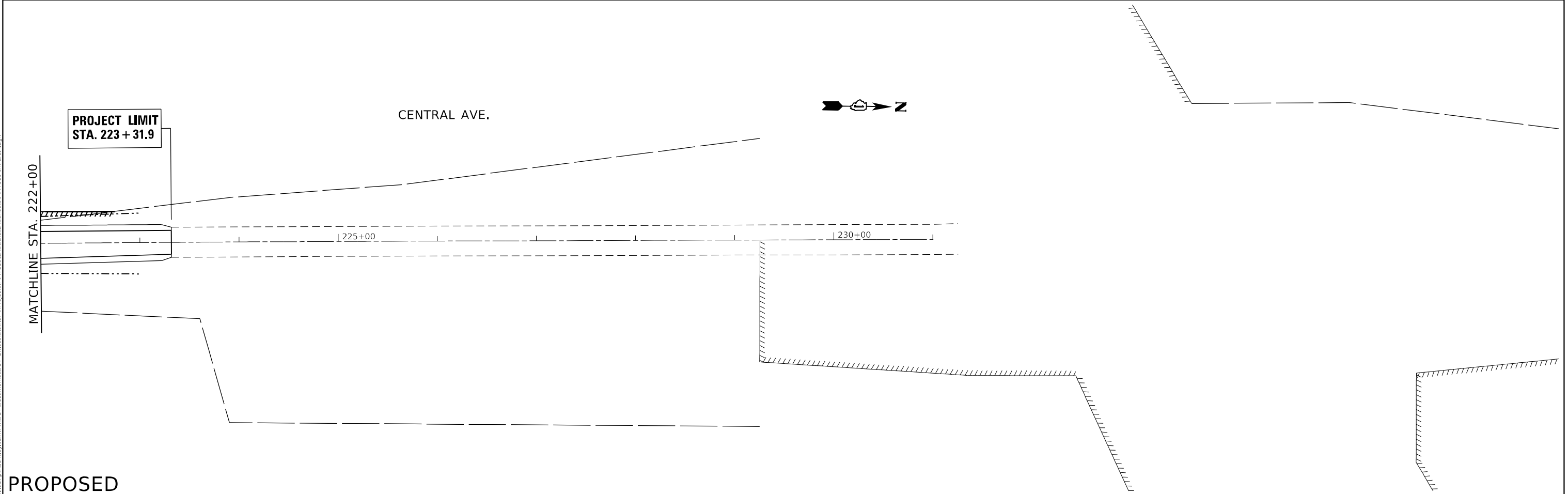
SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	34
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

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 DRAWN: Omar Mesad
 CHECKED: Omar Mesad
 DATE: 12/16/2022



EXISTING



PROPOSED

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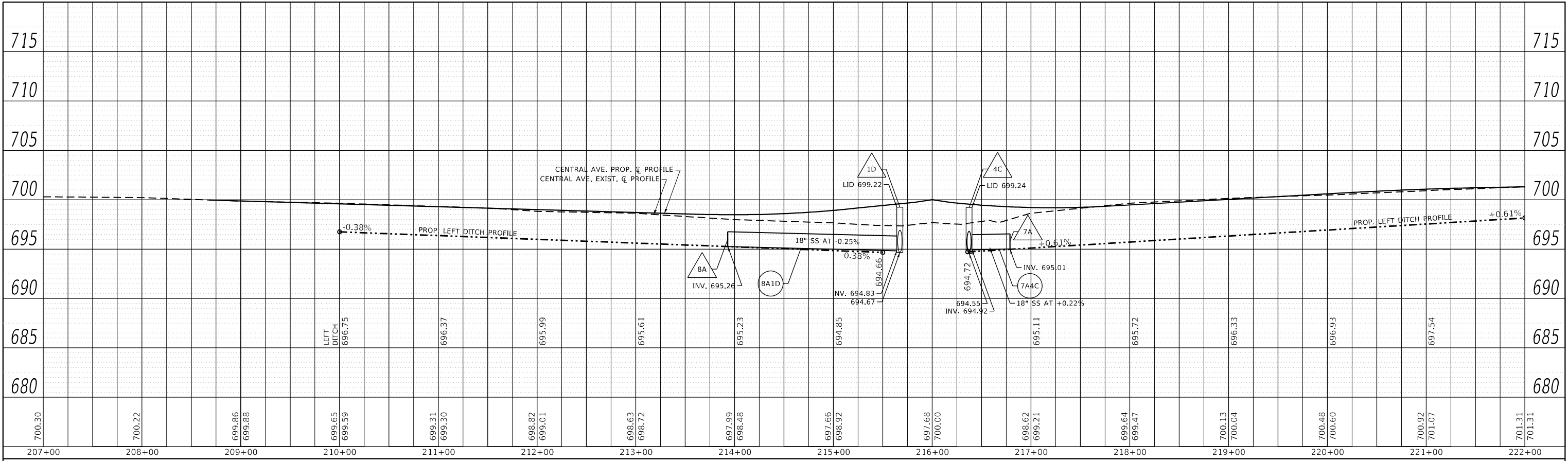
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
183RD STREET AT CENTRAL AVENUE

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

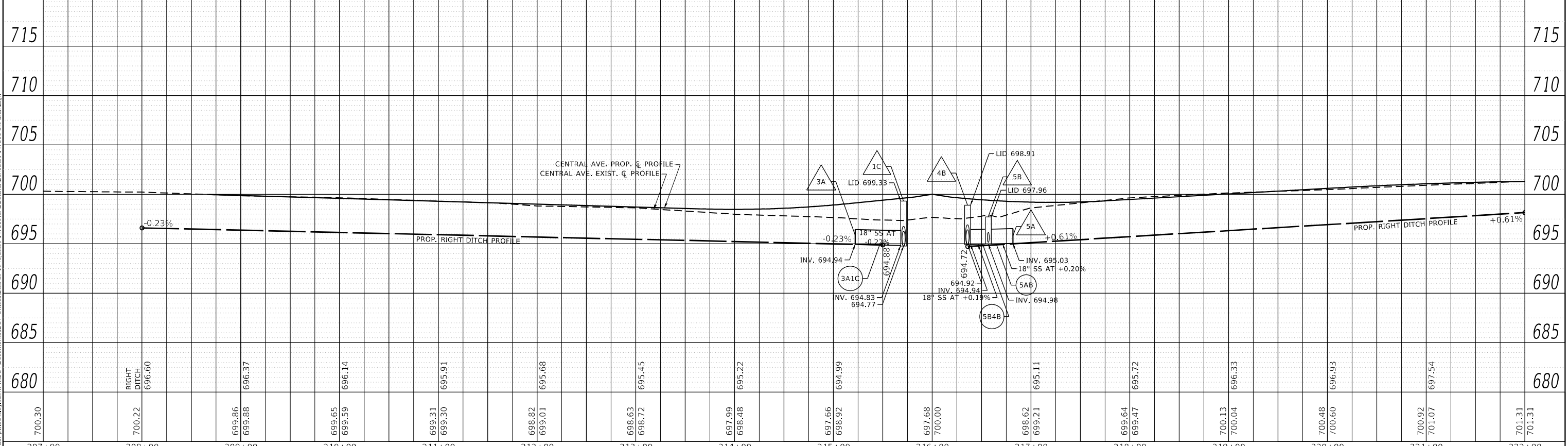
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	35
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	DATE
	BY	
NOTE BOOK NO.	NOTED	CHECKED
	PLANNED	FILE NAME



LEFTSIDE

RIGHTSIDE



PROFILE	REVISIONS	DATE
	BY	
NOTE BOOK NO.	NOTED	CHECKED
	PLANNED	FILE NAME

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PLOT DATE = 12/16/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PROFILE
183RD STREET AT CENTRAL AVENUE**

SCALE: 1"= 5'V 50'H SHEET OF SHEETS STA. TO STA.

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	36
			CONTRACT NO. 62K03	
		ILLINOIS FED. AID PROJECT		

LEGEND

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (CL-B) UNLESS OTHERWISE NOTED. CL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. CL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS. SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

ABBREVIATIONS:

- ☐ JUNCTION BOX
- POWER POLE
- ~ EOI
- ± APPROXIMATE
- EOI END OF ELECTRONIC DESIGNATING INFORMATION
- EORI END OF UTILITY RECORD INFORMATION
- (DATFI) DEPICTED ACCORDING TO FIELD INSPECTION
- (AATUR) ABANDONED ACCORDING TO UTILITY RECORDS
- (AATFI) ABANDONED ACCORDING TO FIELD INSPECTION
- (EATFI) EMPTY ACCORDING TO FIELD INSPECTION
- (NAC) NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE
- (NAP) NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.

ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATING INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. SAM, LLC DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.

UTILITY OWNERS:

ILLINOIS DEPARTMENT OF TRANSPORTATION
REGION ONE
SUDAD MAHMOUD—UTILITY COORDINATOR
201 W. CENTER CT.
SCHAUMBURG, IL 60196-1096

COMED
PLANSUBMITTALANDMAPREQUEST@EXELONCORP.COM

CHICAGO SOUTHLAND FIBER NETWORK (CSFN)
ATTN: ROBERT WINCHEL
NIV—DIVISION OF INFORMATION TECHNOLOGY
815-753-8948/847-421-6231
RWINCHEL@NIV.EDU

- E— BURIED ELECTRIC
- FO— BURIED FIBER OPTIC
- A—A— AERIAL
- - - - - PROJECT LIMITS



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC ON THIS PLAN SET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC
8-23-2019
DATE

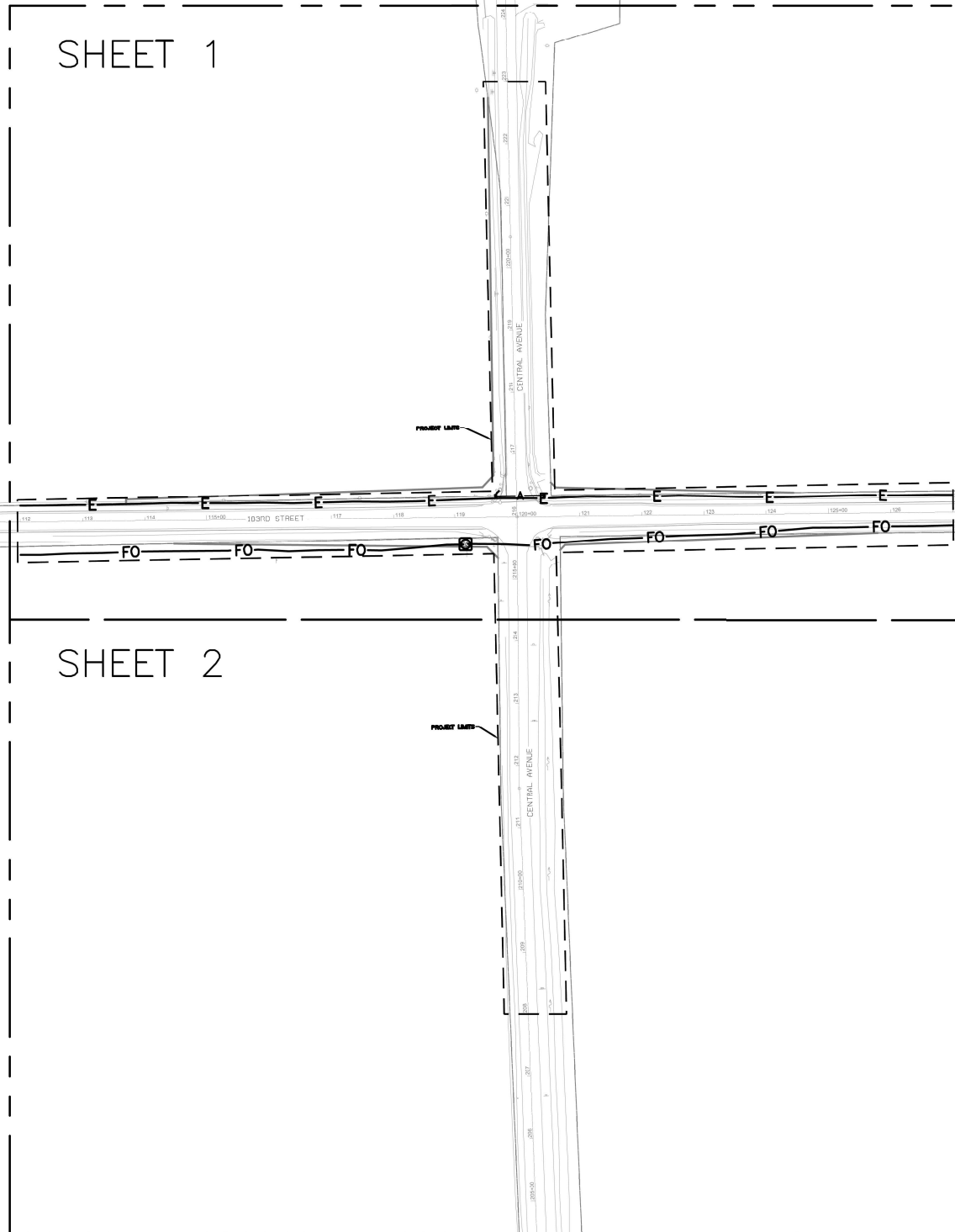


896 CAMBRIDGE DR.
ELK GROVE VILLAGE, IL
OFFICE: 224.604.1300
EMAIL: info@sam.biz

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SCALE: NOT TO SCALE	DRAFTED BY: C.J.S.
SHEET: COVER	CHECKED BY: S.A.W.
DATE: 8-23-2019	45328C-IL83-EF-SUE-2D
183RD STREET AND CENTRAL AVENUE IN COUNTRY CLUB HILLS, IL	



SHEET 1

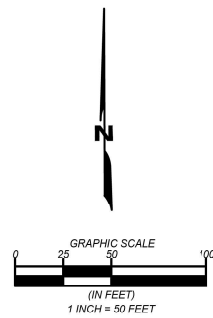


SHEET 2



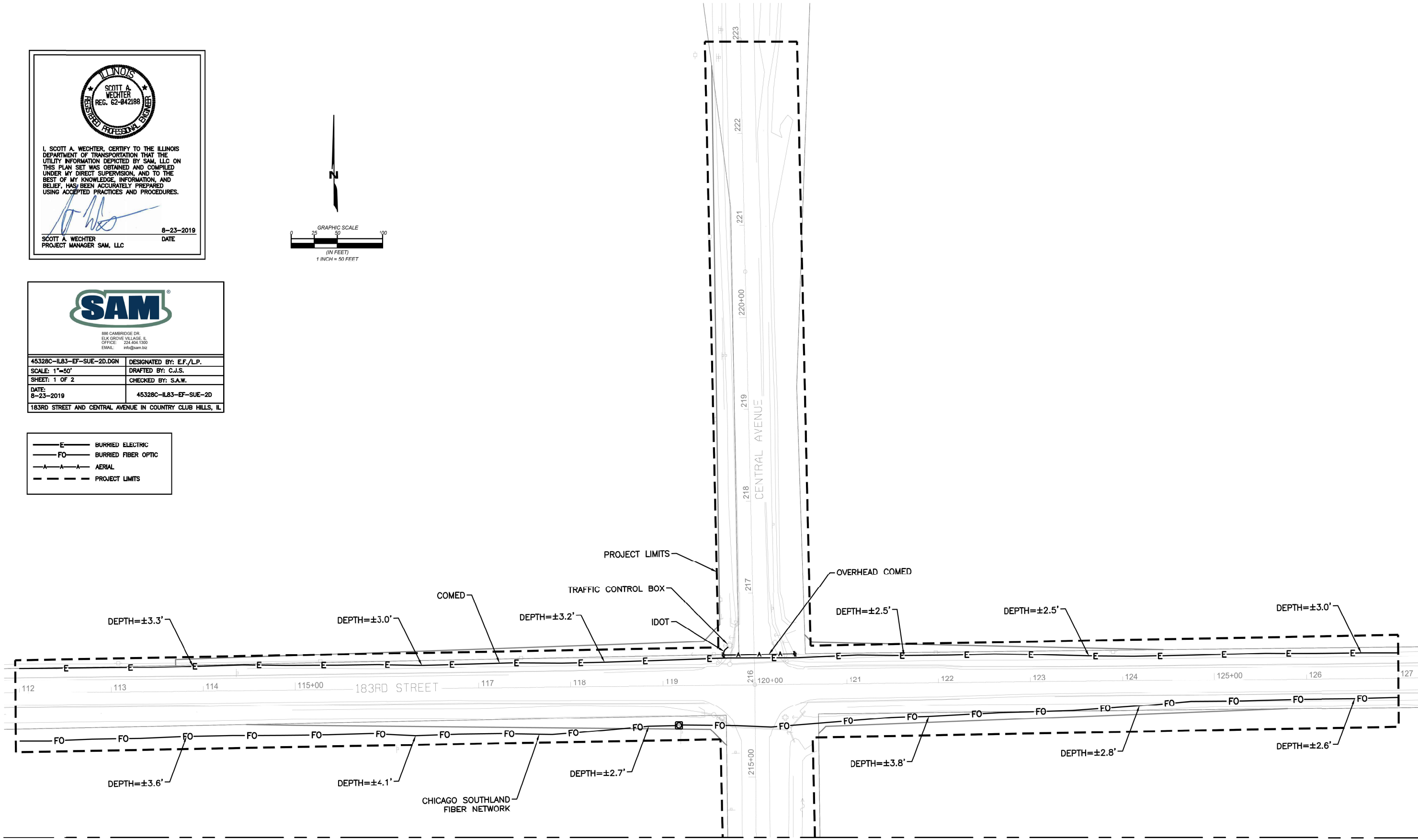
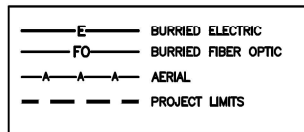
I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC ON THIS PLAN SET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC
DATE: 8-23-2019




886 CAMBRIDGE DR.
ELK GROVE VILLAGE, IL
OFFICE: 224-494-1300
EMAIL: info@sam.biz

45328C-IL83-EF-SUE-2D.DGN	DESIGNATED BY: E.F./L.P.
SCALE: 1"=50'	DRAFTED BY: C.J.S.
SHEET: 1 OF 2	CHECKED BY: S.A.W.
DATE: 8-23-2019	45328C-IL83-EF-SUE-2D
183RD STREET AND CENTRAL AVENUE IN COUNTRY CLUB HILLS, IL	




SEE SHEET 2



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT THE UTILITY INFORMATION DEPICTED BY SAM, LLC ON THIS PLAN SET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, HAS BEEN ACCURATELY PREPARED USING ACCEPTED PRACTICES AND PROCEDURES.

Scott A. Wechter
 SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC
 DATE 8-23-2019

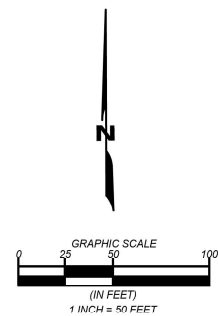


888 CAMBRIDGE DR.
 ELK GROVE VILLAGE, IL
 OFFICE: 815-404-1100
 EMAIL: info@sam.biz

45328C-IL83-EF-SUE-2D.DGN	DESIGNATED BY: E.F./L.P.
SCALE: 1"=50'	DRAFTED BY: C.J.S.
SHEET: 2 OF 2	CHECKED BY: S.A.W.
DATE: 8-23-2019	45328C-IL83-EF-SUE-2D

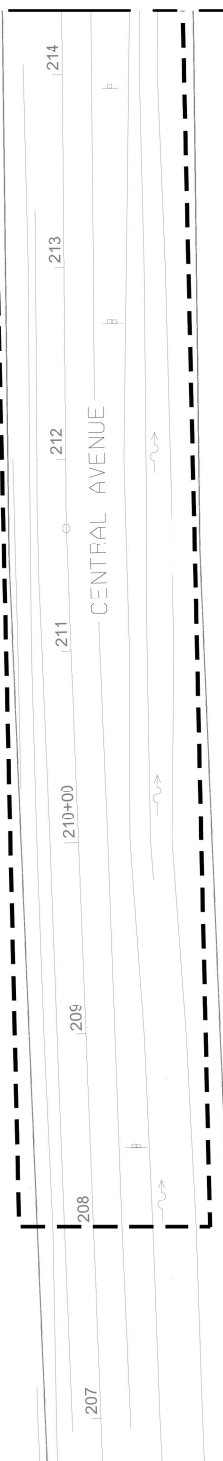
183RD STREET AND CENTRAL AVENUE IN COUNTRY CLUB HILLS, IL

	BURRIED ELECTRIC
	BURRIED FIBER OPTIC
	AERIAL
	PROJECT LIMITS



SEE SHEET 1

PROJECT LIMITS

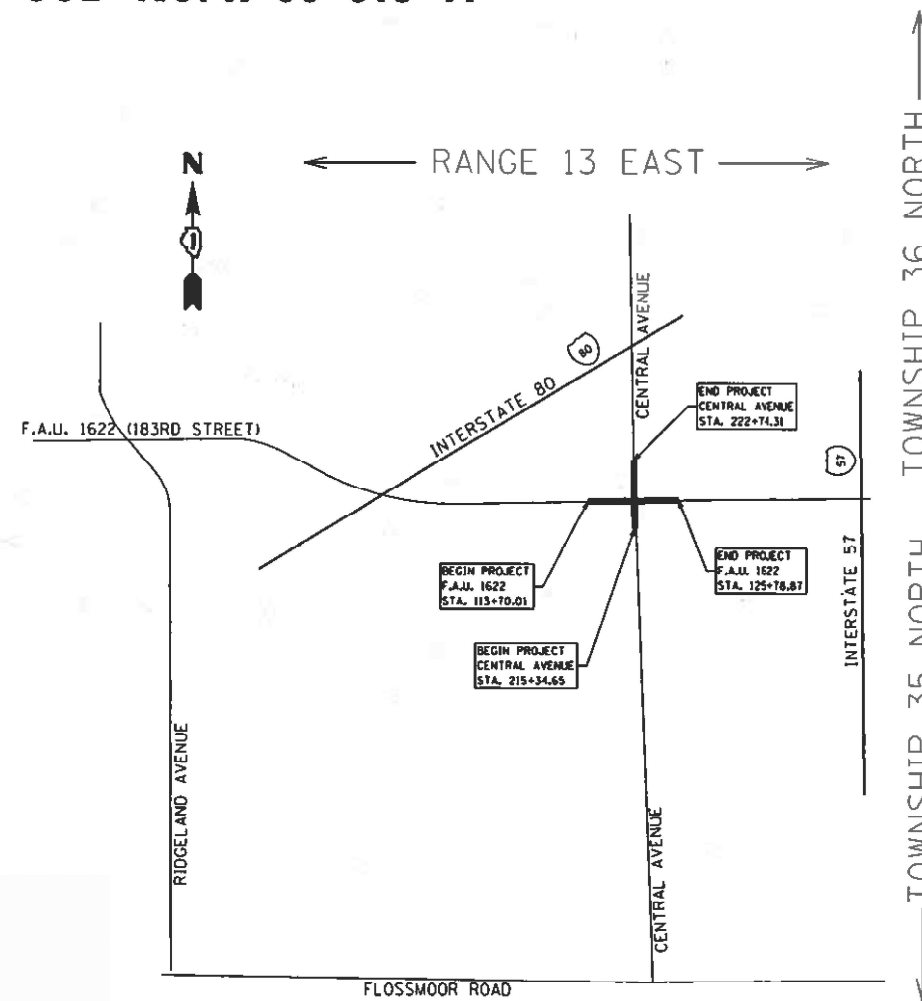


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

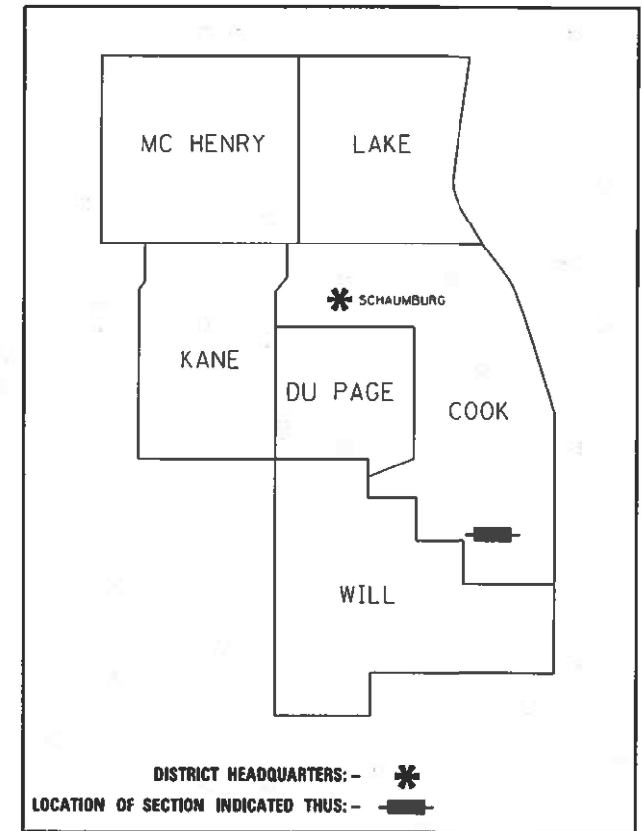
PLAT OF HIGHWAYS

ROUTE: F.A.U. ROUTE 1622 (183RD STREET)
SECTION: AT CENTRAL AVENUE
COUNTY: COOK
LIMITS: 113 + 70.01 TO 125 + 78.87 (F.A.U. ROUTE 1622)
215 + 34.65 TO 222 + 74.31 (CENTRAL AVENUE)
JOB NO: R-90-013-11

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0J50001PE	FOREST PRESERVE DISTRICT OF COOK COUNTY	2	
0J50002PE	FOREST PRESERVE DISTRICT OF COOK COUNTY	3	
0J50004PE	FOREST PRESERVE DISTRICT OF COOK COUNTY	2	



LOCATION MAP



**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

APPROVED
By Rod Richgruber at 2:48 pm, Jan 27, 2022

PART OF THE FRACTIONAL SOUTHEAST QUARTER OF SECTION 32, TOWNSHIP 36 NORTH, AND THE NORTHEAST QUARTER OF FRACTIONAL SECTION 5, TOWNSHIP 35 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.

COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD '83 (2007). THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF SECTION 5-35-13 HAS A VALUE OF 1,781,715.920 NORTH & 1,143,307.913 EAST

STATION	OFFSET	NORTH	EAST
113+70.01	28.22 Lt	1,781,735.993	1,142,617.823
113+70.01	34.59 Lt	1,781,742.366	1,142,617.754
119+44.93	48.02 Lt	1,781,761.963	1,143,192.494
119+83.01	33.59 Lt	1,781,747.940	1,143,230.729
119+62.62	66.13 Lt	1,781,780.267	1,143,209.986
221+20.53	14.31 Lt	1,782,234.613	1,143,221.713
222+74.31	31.57 Lt	1,782,388.040	1,143,201.213
114+46.93	37.10 Rt	1,781,671.499	1,142,695.437
114+99.97	38.55 Rt	1,781,670.618	1,142,748.490
119+51.38	47.75 Rt	1,781,666.274	1,143,199.974
119+68.56	32.54 Rt	1,781,681.665	1,143,216.988
119+68.61	65.29 Rt	1,781,648.920	1,143,217.390

LEGEND

- SECTION - QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET

GRAPHIC SCALE
FEET
SCALE: 1" = 50'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE AND THE EXISTING CENTERLINE OF 183RD STREET BEARS N 88° 53' 00" E

- SURVEY NOTES:**
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997500.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".
 - FIELD SURVEY COMPLETED ON 05/24/2018.

- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ENVIRONMENTAL DESIGN INTERNATIONAL INC, ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001224, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 32, TOWNSHIP 36 NORTH, AND SECTION 5, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 27TH DAY OF JANUARY, A.D. 2022.

WILLIAM J. FLEMING
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003226
LICENSE EXPIRATION DATE: 11/30/2022

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



EDI PROJECT 1173.023.38

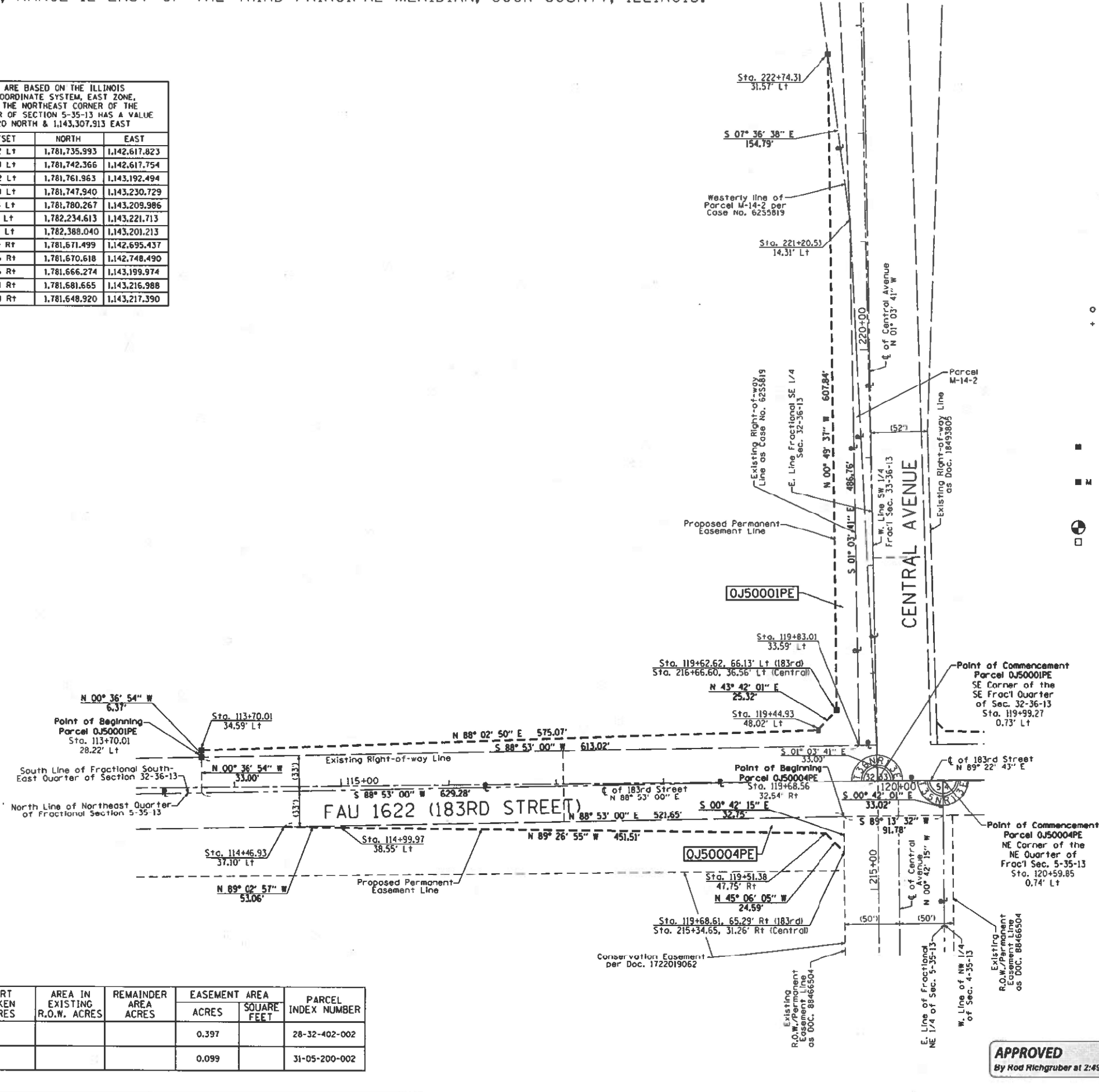
EDI Environmental Design International Inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
PH: (312) 345-1400 FAX: (312) 345-0529
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PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 1622 (183RD STREET)

LIMITS: AT CENTRAL AVENUE COUNTY: COOK
SECTION: JOB NO.: R-90-013-11
STATION 113+70.01 TO 119+83.01
SCALE: 1" = 50' SHEET 2 OF 6 SHEETS

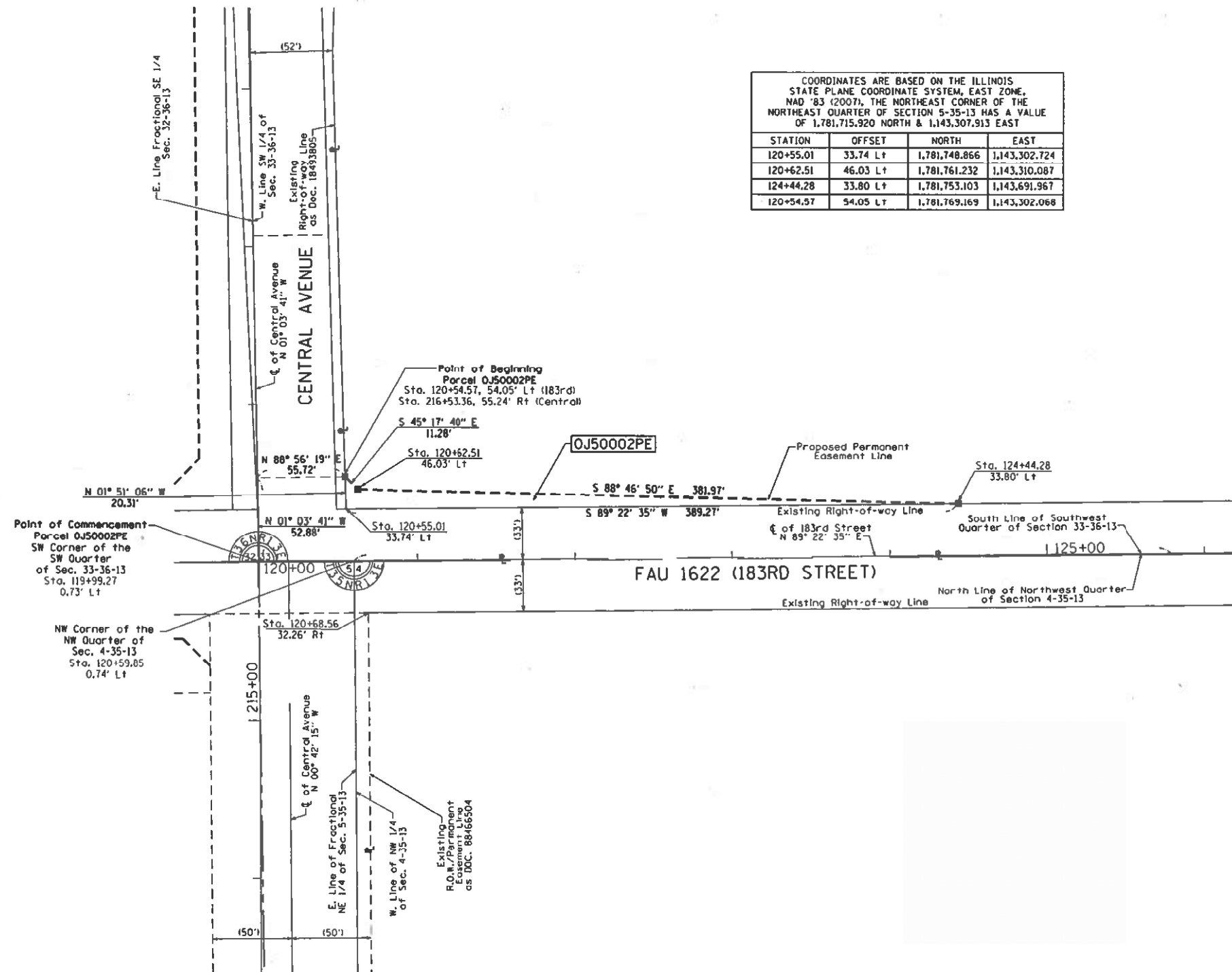
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OJ50001PE	64.371				0.397		28-32-402-002
OJ50004PE	112.316				0.099		31-05-200-002

APPROVED
By Rod Richgruber at 2:49 pm, Jan 27, 2022

PART OF THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 36 NORTH, AND THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.



COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD '83 (2007). THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF SECTION 5-35-13 HAS A VALUE OF 1,781,715.920 NORTH & 1,143,307.913 EAST

STATION	OFFSET	NORTH	EAST
120+55.01	33.74 Lt	1,781,748.866	1,143,302.724
120+62.51	46.03 Lt	1,781,761.232	1,143,310.087
124+44.28	33.80 Lt	1,781,753.103	1,143,691.967
120+54.57	54.05 Lt	1,781,769.169	1,143,302.068

LEGEND

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

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 "MAG" NAIL SET
 5/8" REBAR SET

SURVEY NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT) "GRID".
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- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- FIELD SURVEY COMPLETED ON 05/24/2018.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ENVIRONMENTAL DESIGN INTERNATIONAL INC, ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001224, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 32, TOWNSHIP 36 NORTH, AND SECTION 5, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 27TH DAY OF JANUARY, A.D. 2022.

WILLIAM J. FLEMING
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003226
 LICENSE EXPIRATION DATE: 11/30/2022

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



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OJ50002PE	76.790				0.057		28-33-302-003

APPROVED
 By Rod Richgruber at 2:50 pm, Jan 27, 2022

EDI PROJECT 1173.023.38

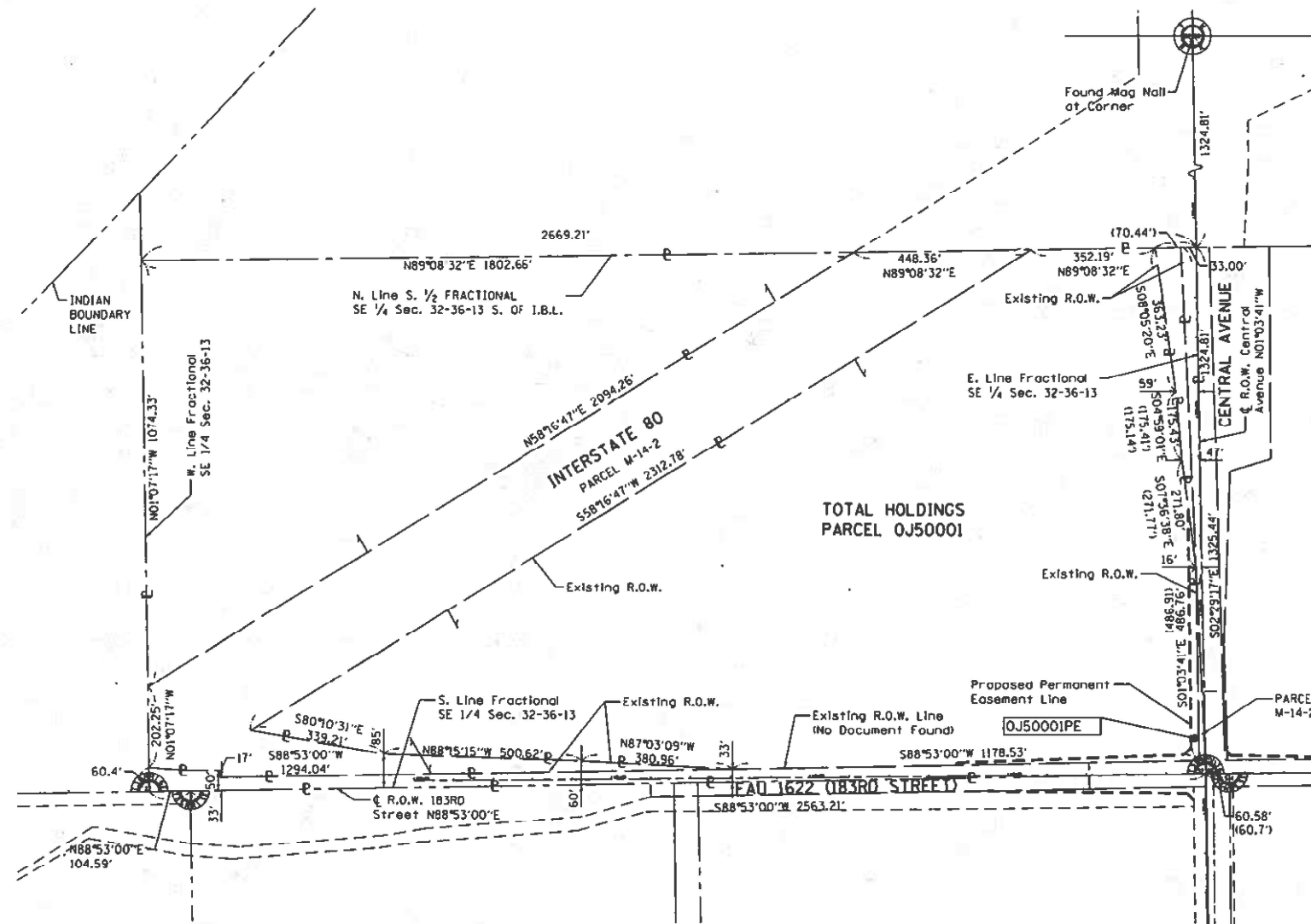
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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
FAU 1622 (183RD STREET)

LIMITS: AT CENTRAL AVENUE COUNTY: COOK
 SECTION: JOB NO.: R-90-013-11
 STATION 120+54.57 TO 125+78.87
 SCALE: 1" = 40' SHEET 3 OF 6 SHEETS

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

PART OF THE FRACTIONAL SOUTHEAST QUARTER OF SECTION 32, TOWNSHIP 36 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.



LEGEND

SECTION CORNER (9, 10, 15, 16)

QUARTER SECTION CORNER (16, 15)

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

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

SURVEY NOTES:
 1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT) "GRID".
 3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997500.
 4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
 5. FIELD SURVEY COMPLETED ON 05/24/2018.

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) JSS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ENVIRONMENTAL DESIGN INTERNATIONAL INC, ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001224, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 32, TOWNSHIP 36 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 27TH DAY OF JANUARY, A.D. 2022.

WILLIAM J. FLEMING
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003226
 LICENSE EXPIRATION DATE: 11/30/2022

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

ED I PROJECT 1173.023.38

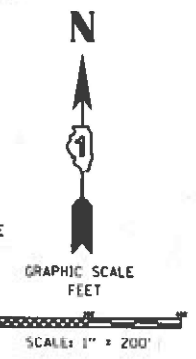
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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
FAU 1622 (183RD STREET)

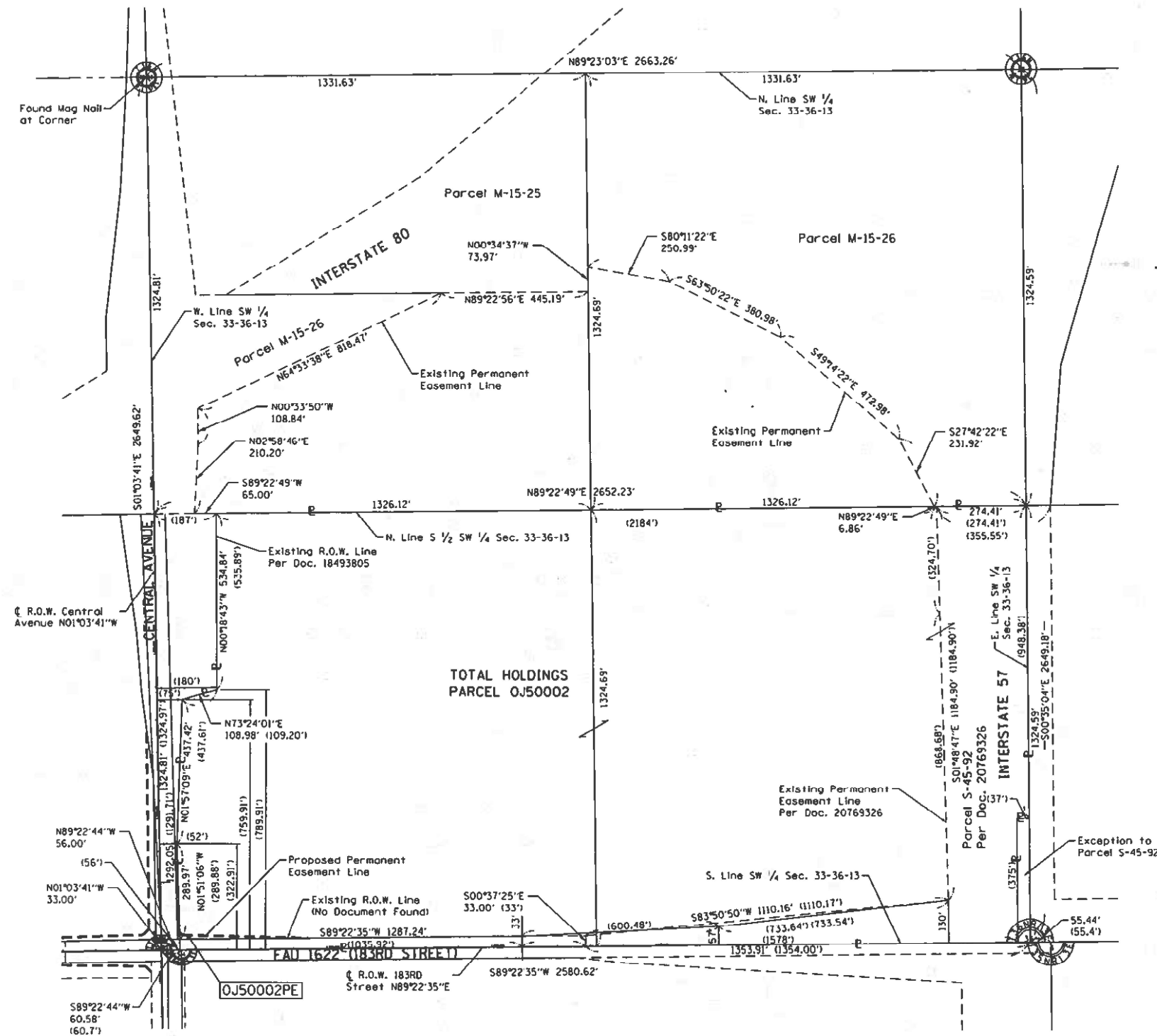
LIMITS: AT CENTRAL AVENUE COUNTY: COOK
 SECTION: JOB NO.: R-90-013-11
 STATION: 113+70.01 TO 119+83.01
 SCALE: 1" = 200' SHEET 4 OF 6 SHEETS

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

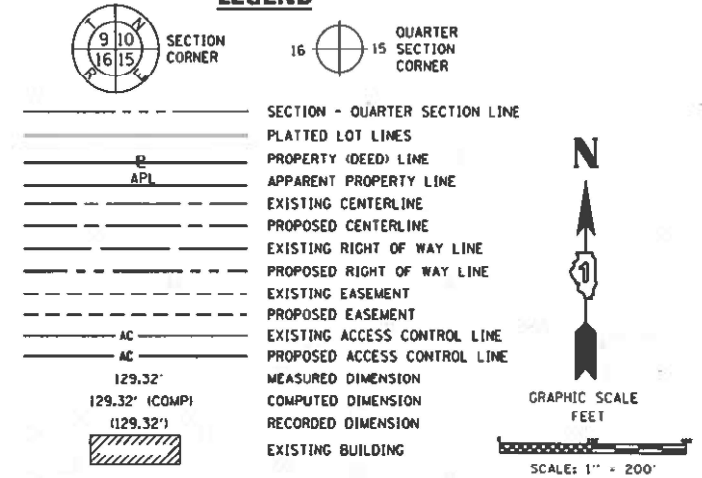


APPROVED
 By Rod Richgruber at 2:50 pm, Jan 27, 2022

PART OF THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 36 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.



LEGEND



- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
- SURVEY NOTES:**
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT) "GRID".
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 - AREAS SHOWN ON THIS PLAT ARE "GROUND".
 - FIELD SURVEY COMPLETED ON 05/24/2018.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

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DATED AT CHICAGO, ILLINOIS THIS 27TH DAY OF JANUARY, A.D. 2022.

WILLIAM J. FLEMING
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003226
 LICENSE EXPIRATION DATE: 11/30/2022

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



APPROVED
 By Rod Richgruber at 2:51 pm, Jan 27, 2022

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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
FAU 1622 (183RD STREET)

LIMITS: AT CENTRAL AVENUE COUNTY: COOK
 SECTION: JOB NO.: R-90-013-11
 STATION 120+54.57 TO 124+44.28
 SCALE: 1" = 200' SHEET 5 OF 6 SHEETS

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

PART OF THE NORTHEAST QUARTER OF FRACTIONAL SECTION 5, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.

LEGEND

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

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET

"MAG" NAIL SET
 5/8" REBAR SET

GRAPHIC SCALE
 FEET
 SCALE: 1" = 300'

- SURVEY NOTES:**
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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) JSS
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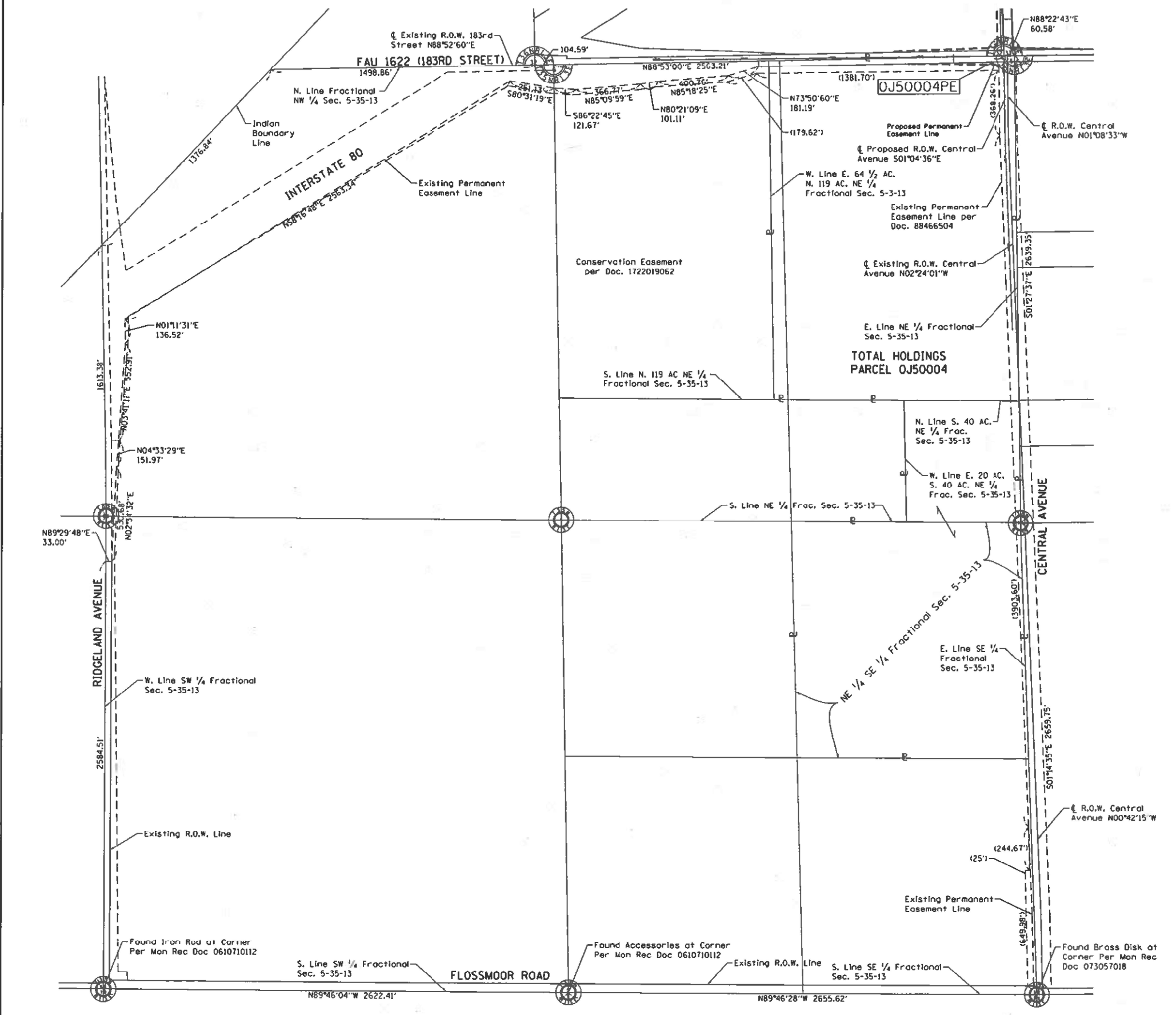
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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
FAU 1622 (183RD STREET)

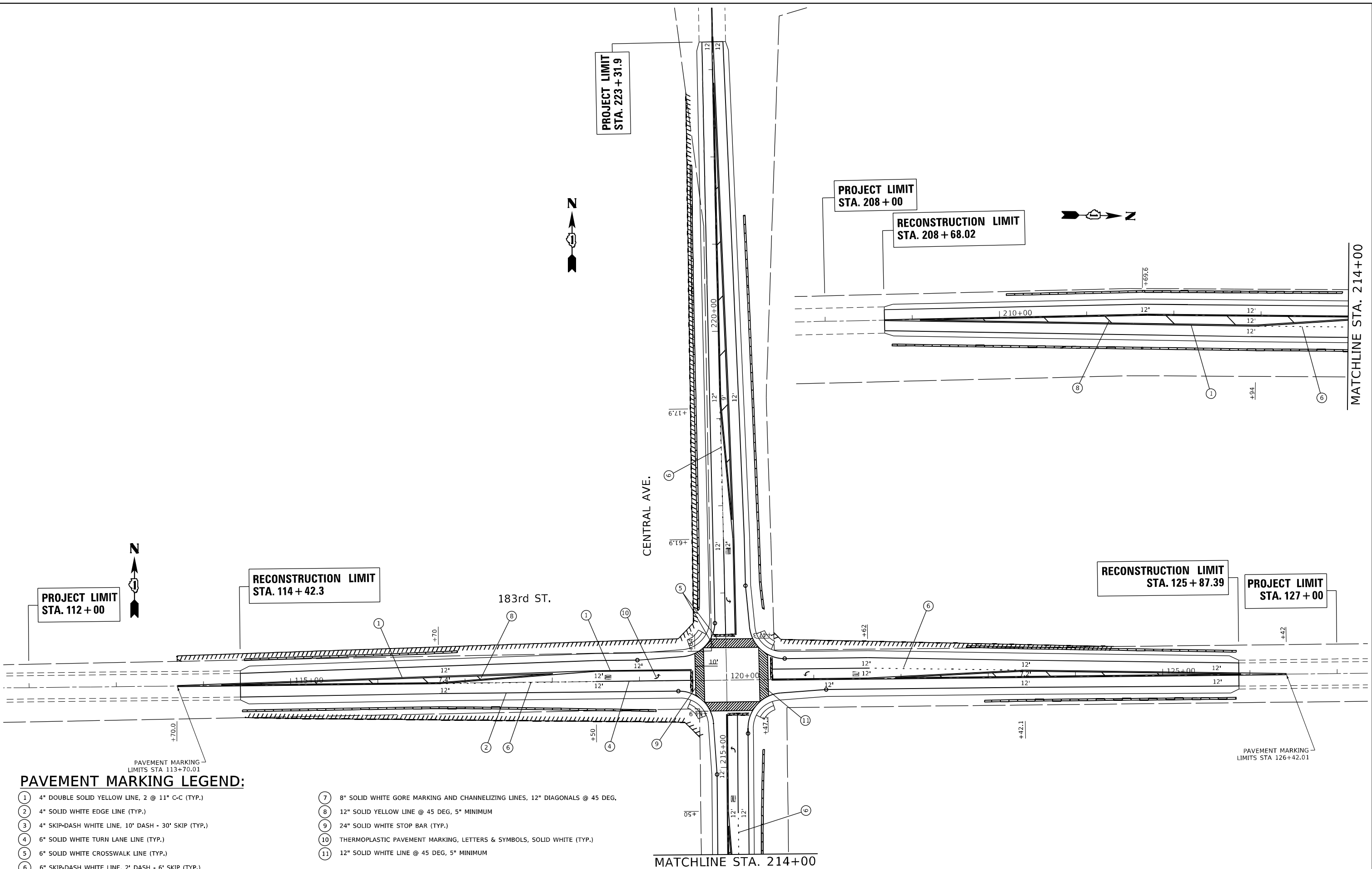
LIMITS: AT CENTRAL AVENUE COUNTY: COOK
 SECTION: JOB NO.: R-90-013-11
 STATION 114+46.93 TO 119+68.61
 SCALE: 1" = 300' SHEET 6 OF 6 SHEETS

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

APPROVED
 By Rod Richgruber at 2:53 pm, Jan 27, 2022



MODEL: Default
 FILE NAME: p:\ultra-paw-bee-fwy.com\p\INDOT\Documents\DOT Office\Drawings\110\Project\117509\CADD\Drawings\CADD\Drawings\117509-183r-01mk.dwg
 PLOT DATE: 12/16/2022



- | | |
|---|---|
| ① 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) | ⑦ 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES, 12" DIAGONALS @ 45 DEG. |
| ② 4" SOLID WHITE EDGE LINE (TYP.) | ⑧ 12" SOLID YELLOW LINE @ 45 DEG, 5" MINIMUM |
| ③ 4" SKIP-DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.) | ⑨ 24" SOLID WHITE STOP BAR (TYP.) |
| ④ 6" SOLID WHITE TURN LANE LINE (TYP.) | ⑩ THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.) |
| ⑤ 6" SOLID WHITE CROSSWALK LINE (TYP.) | ⑪ 12" SOLID WHITE LINE @ 45 DEG, 5" MINIMUM |
| ⑥ 6" SKIP-DASH WHITE LINE, 2' DASH - 6' SKIP (TYP.) | |

PAVEMENT MARKING LIMITS STA 113+70.01

PAVEMENT MARKING LIMITS STA 126+42.01

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

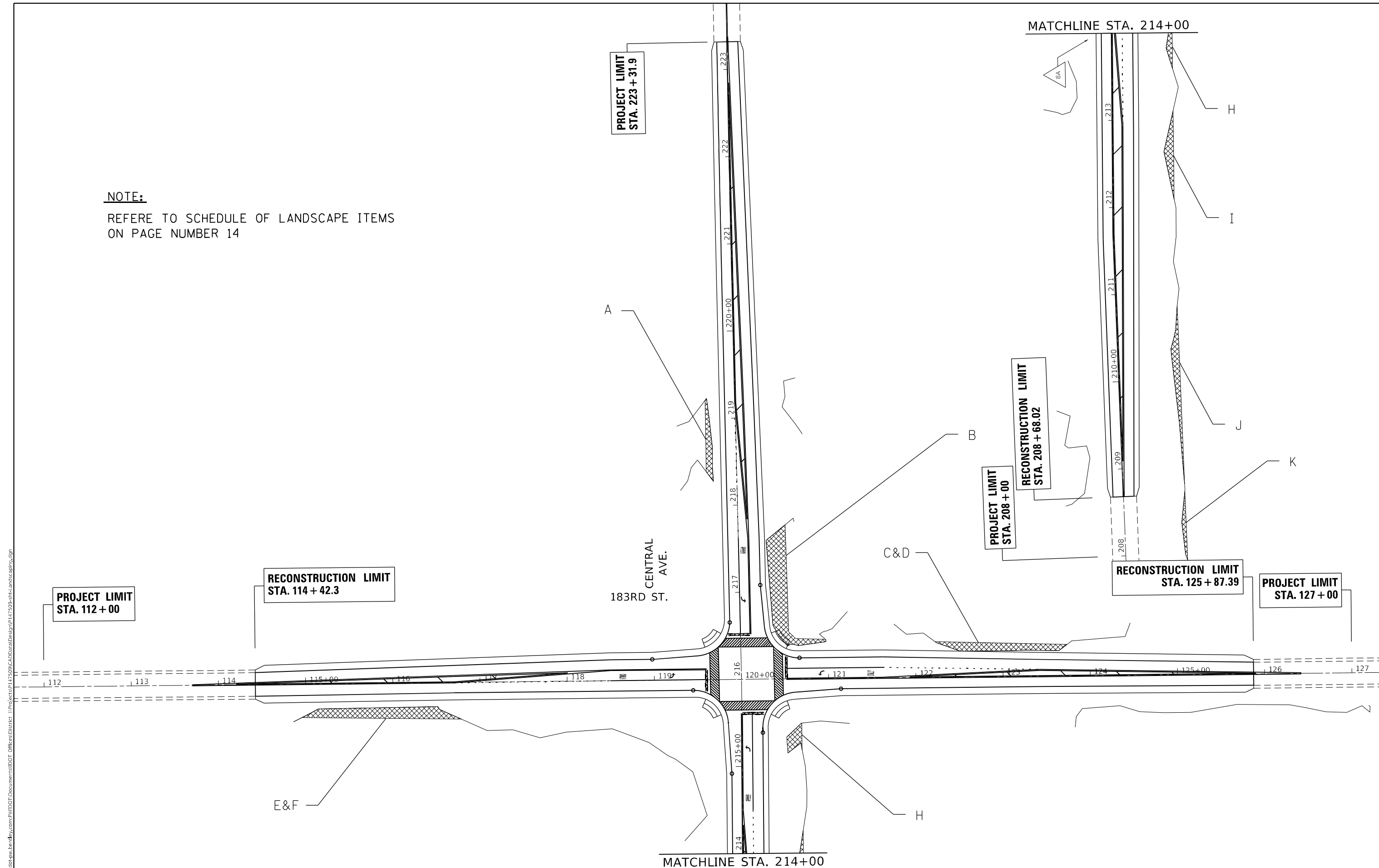
**PAVEMENT MARKING PLAN
183RD STREET AT CENTRAL AVENUE**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	47
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

USER NAME = Omar,Mesad	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 12/16/2022	CHECKED -	REVISED -
	DATE -	REVISED -

NOTE:
 REFERE TO SCHEDULE OF LANDSCAPE ITEMS
 ON PAGE NUMBER 14



MODEL: Default
 FILE: 1622_130-TS&N-183RD ST AT CENTRAL AVE.dwg
 PROJECT: 1622_130-TS&N-183RD ST AT CENTRAL AVE.dwg
 USER: Omar.Mesad
 DATE: 12/16/2022

USER NAME = Omar.Mesad	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISIONS -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 12/16/2022	DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING DETAILS 183RD STREET AT CENTRAL AVENUE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1622	2019-130-TS&N	COOK	91	48
SCALE:		SHEET OF SHEETS		STA. TO STA.		CONTRACT NO. 62K03

ILLINOIS FED. AID PROJECT	
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LEGEND

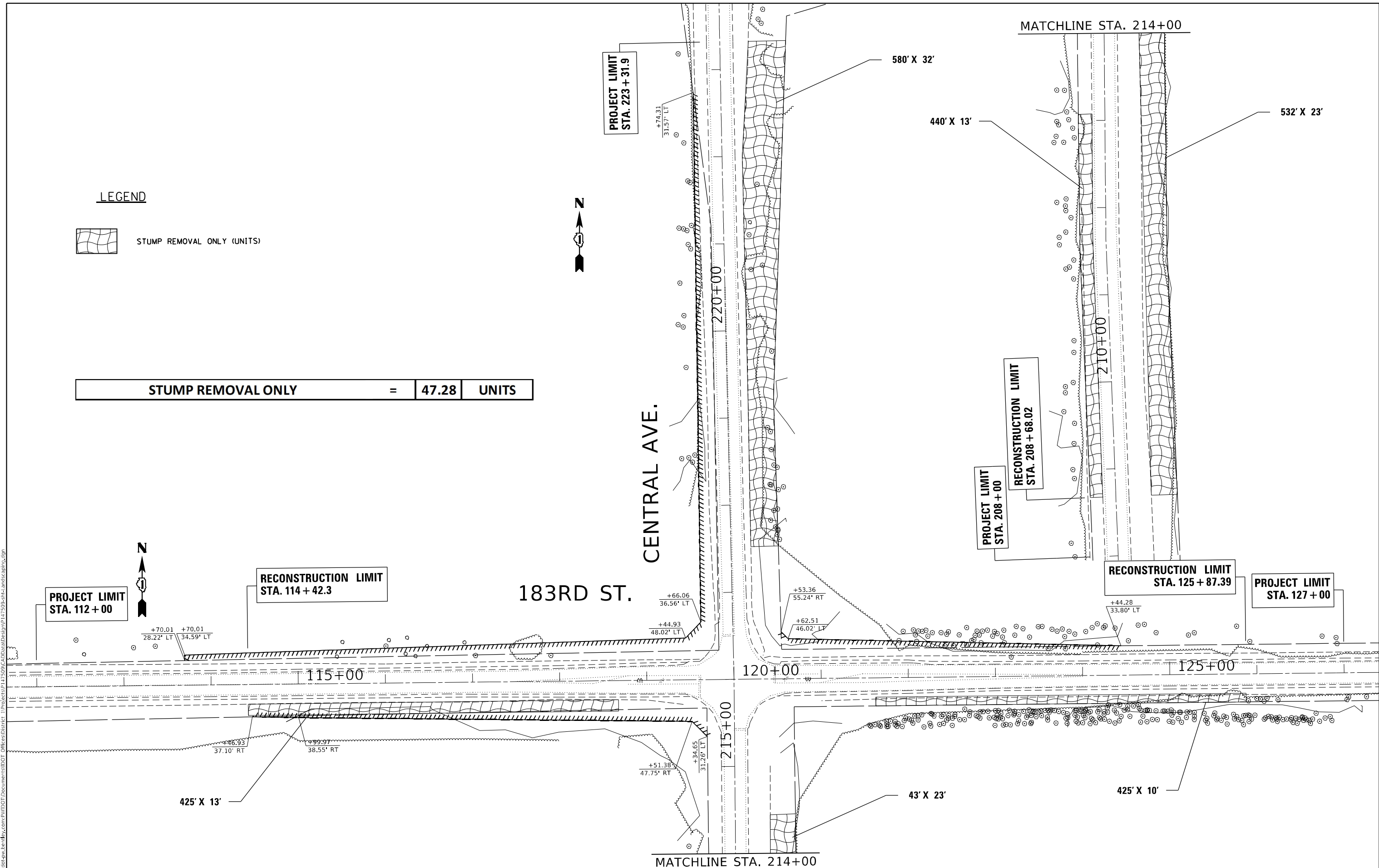


STUMP REMOVAL ONLY (UNITS)

STUMP REMOVAL ONLY = 47.28 UNITS



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 PROJECT: 117509-CAD\Drawings\117509-sha-and-landscape.dwg



USER NAME = Omar,Mesad	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING DETAILS
183RD STREET AT CENTRAL AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	49
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

LEGEND

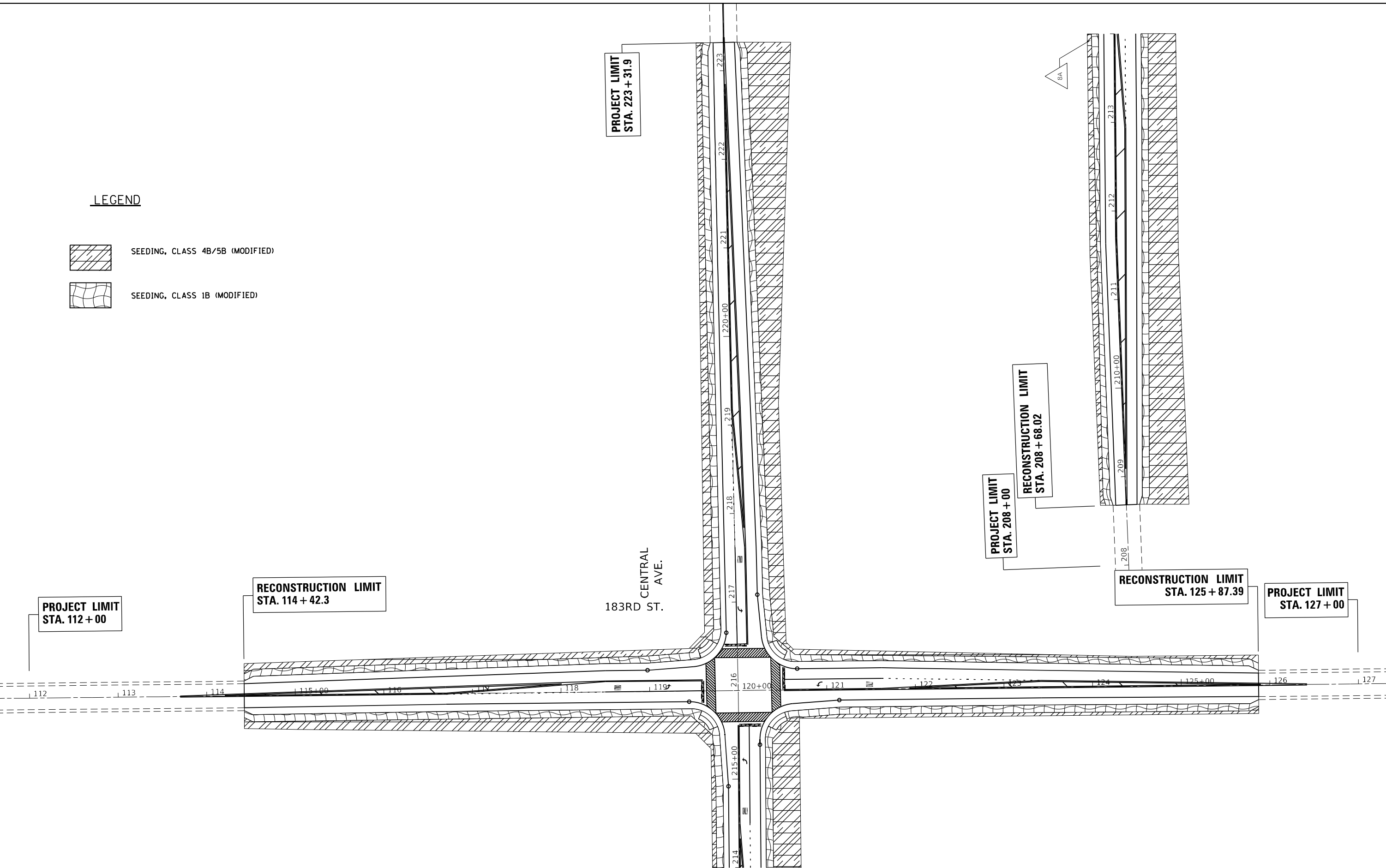


SEEDING, CLASS 4B/5B (MODIFIED)



SEEDING, CLASS 1B (MODIFIED)

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PROJECT LIMIT
STA. 112 + 00

RECONSTRUCTION LIMIT
STA. 114 + 42.3

CENTRAL
AVE.
183RD ST.

PROJECT LIMIT
STA. 223 + 31.9

PROJECT LIMIT
STA. 208 + 00

RECONSTRUCTION LIMIT
STA. 208 + 68.02

RECONSTRUCTION LIMIT
STA. 125 + 87.39

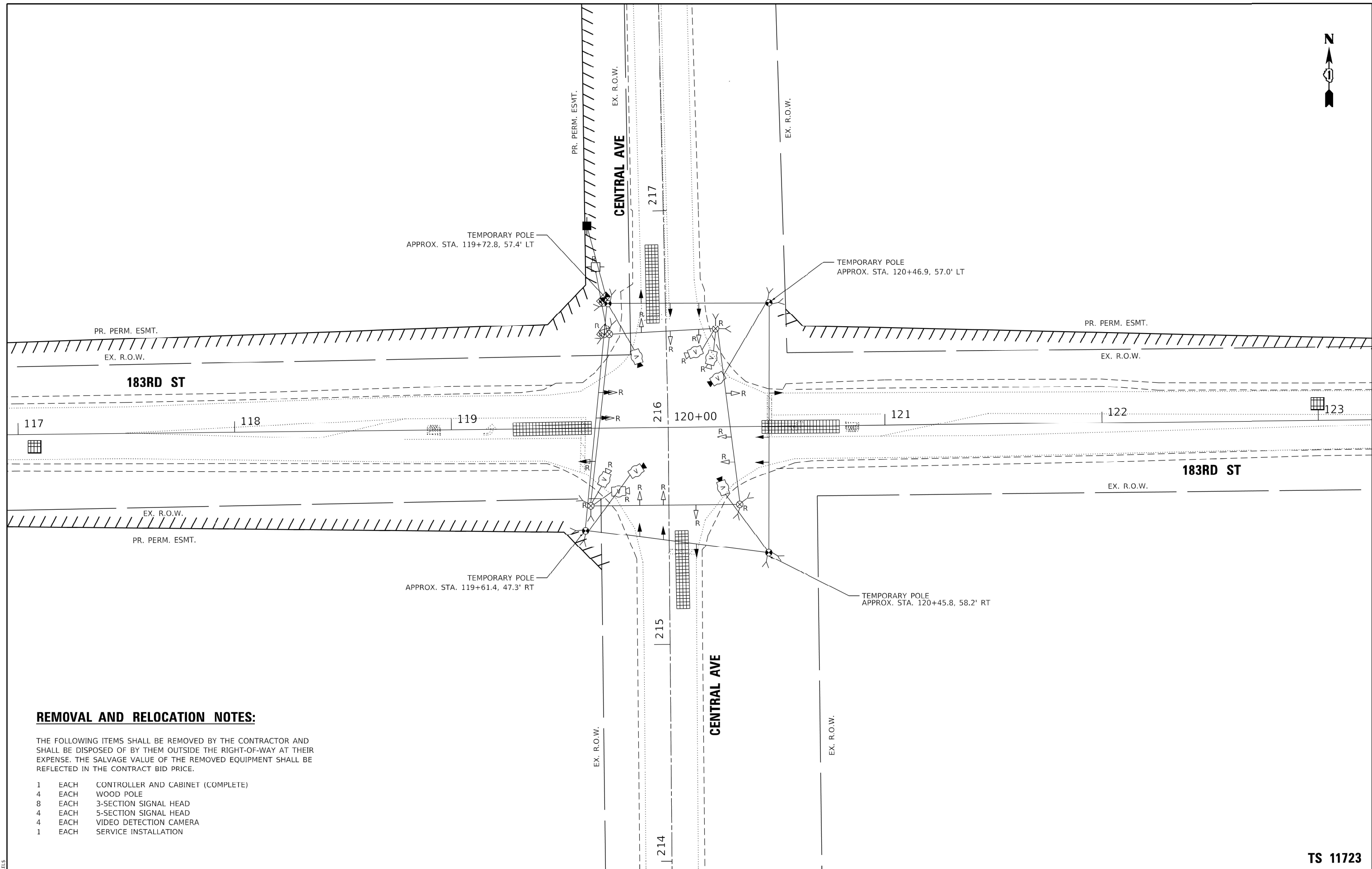
PROJECT LIMIT
STA. 127 + 00

USER NAME = Omar,Mesad	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/16/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING DETAILS	
183RD STREET AT CENTRAL AVENUE	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	50
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				



REMOVAL AND RELOCATION NOTES:

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH WOOD POLE
- 8 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 4 EACH VIDEO DETECTION CAMERA
- 1 EACH SERVICE INSTALLATION

MODEL: \$MODELNAME\$ FILE NAME: \$FILES\$



USER NAME = \$USERS\$	DESIGNED - DIANA BRIONES	REVISED -
	DRAWN - DIANA BRIONES	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - ANDREW FREEMAN	REVISED -
PLOT DATE = \$DATE\$	DATE - 11/18/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

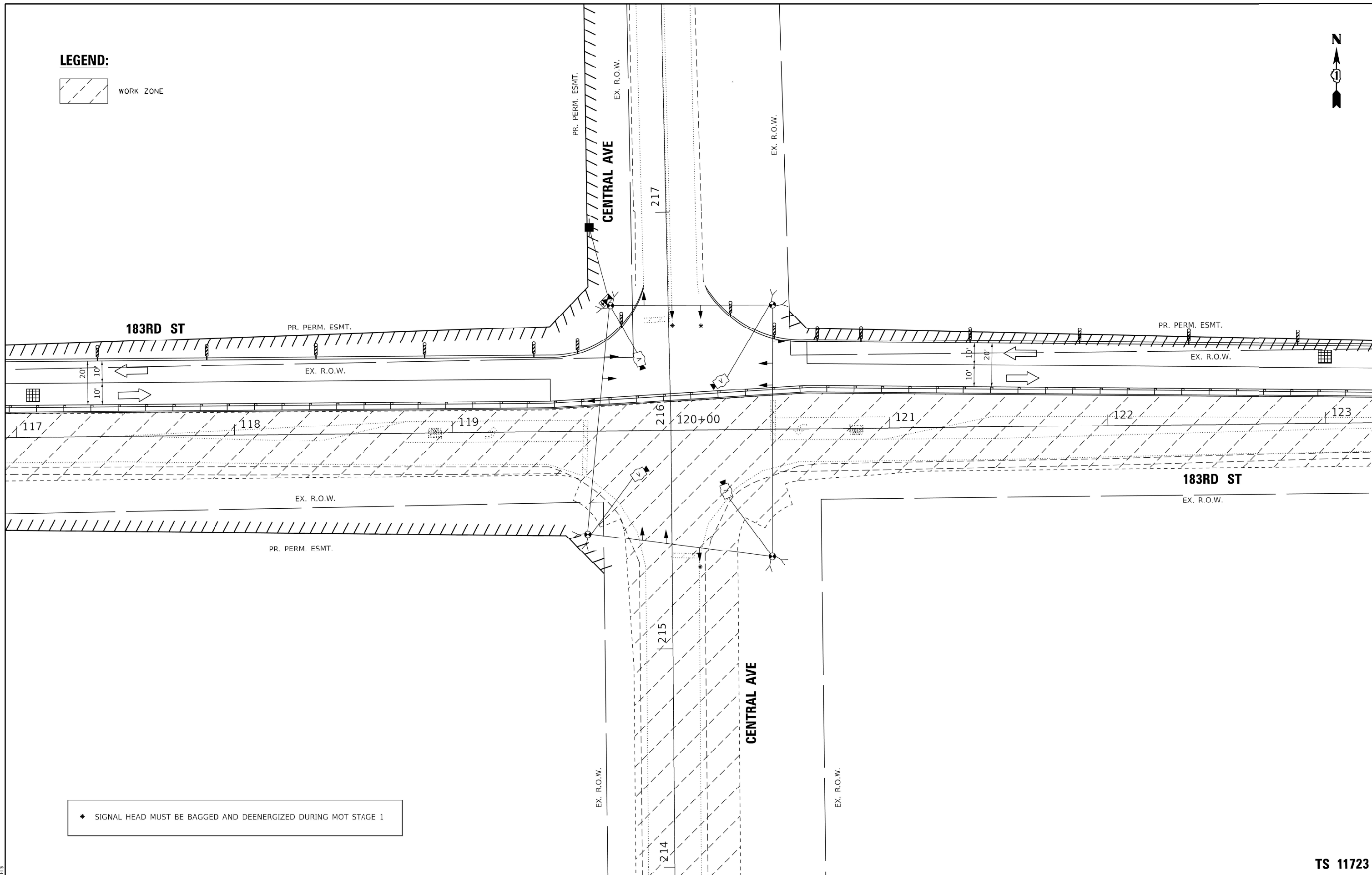
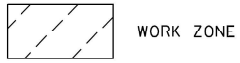
**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
183RD ST AND CENTRAL AVE**

SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	51
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K03	

TS 11723

LEGEND:



* SIGNAL HEAD MUST BE BAGGED AND DEENERGIZED DURING MOT STAGE 1

MODEL: \$MODELNAME\$ FILE NAME: \$FILES\$

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = \$USERS\$	DESIGNED - DIANA BRIONES	REVISED -
	DRAWN - DIANA BRIONES	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - ANDREW FREEMAN	REVISED -
PLOT DATE = \$DATE\$	DATE - 11/18/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
FOR MOT STAGE 1 - 183RD ST AND CENTRAL AVE**

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. TO STA.

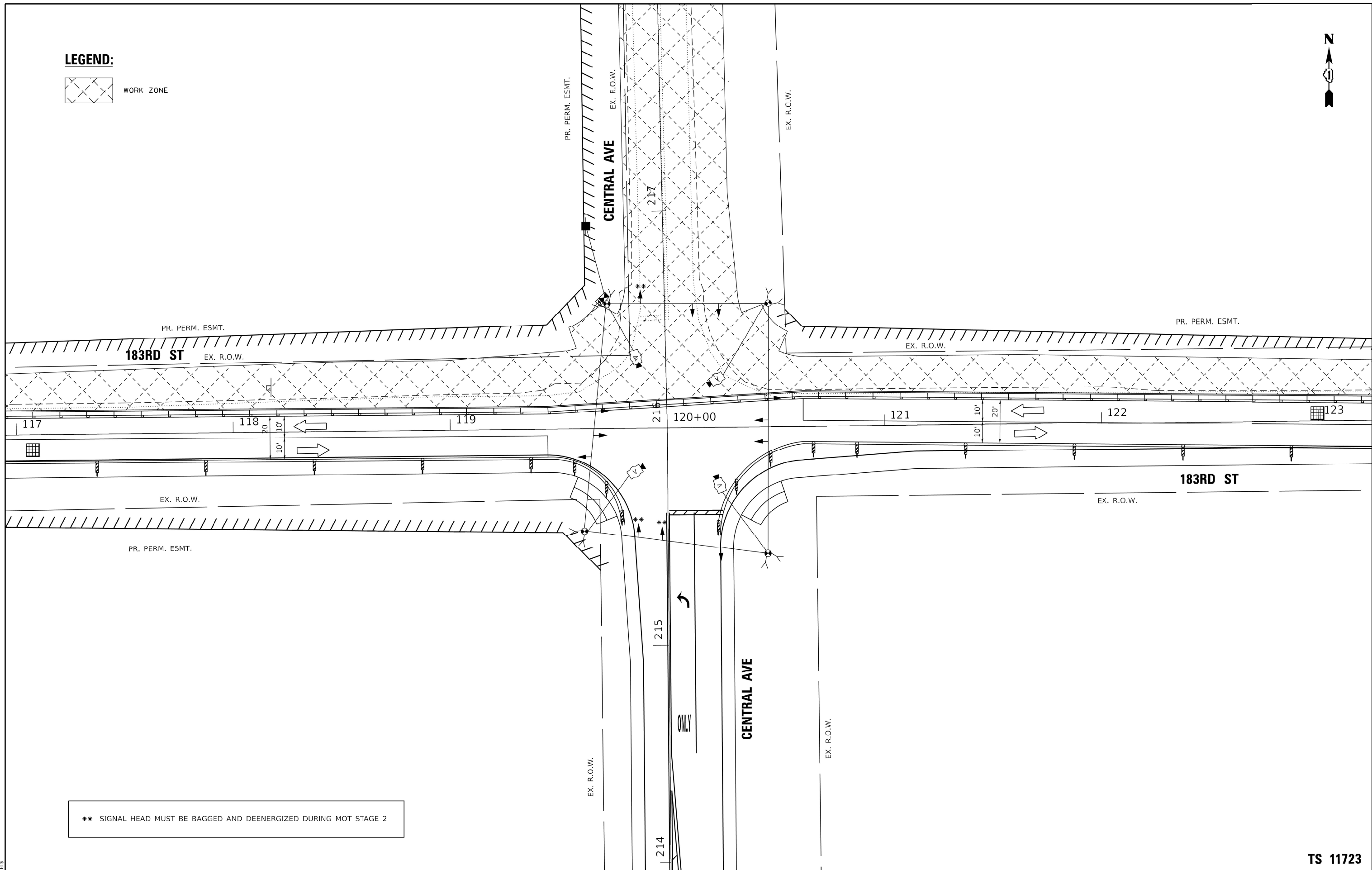
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TSGN	COOK	91	52
			CONTRACT NO. 62K03	
			ILLINOIS FED. AID PROJECT	

TS 11723

LEGEND:



WORK ZONE



** SIGNAL HEAD MUST BE BAGGED AND DEENERGIZED DURING MOT STAGE 2

MODEL: \$MODELNAME\$
FILE: \$NAME\$. \$FILES\$

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = \$USERS\$	DESIGNED - DIANA BRIONES	REVISED -
	DRAWN - DIANA BRIONES	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - ANDREW FREEMAN	REVISED -
PLOT DATE = \$DATE\$	DATE - 11/18/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

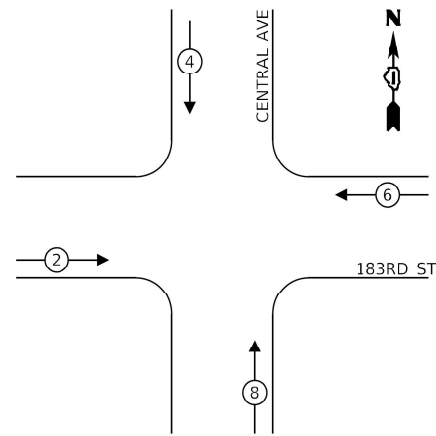
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
FOR MOT STAGE 2 - 183RD ST AND CENTRAL AVE**

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TSGN	COOK	91	53
			CONTRACT NO. 62K03	
			ILLINOIS FED. AID PROJECT	

TS 11723

PROPOSED CONTROLLER SEQUENCE

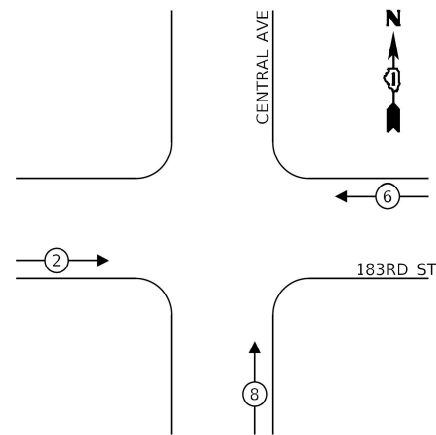


LEGEND:

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

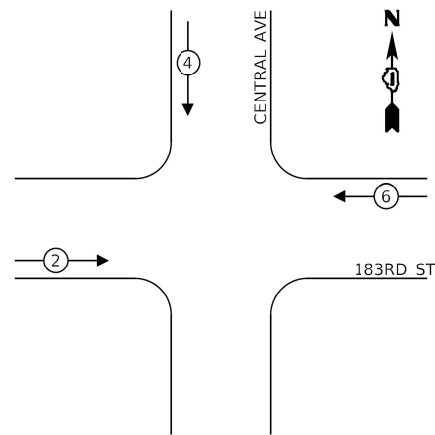
PROPOSED CONTROLLER SEQUENCE

MOT STAGE 1



PROPOSED CONTROLLER SEQUENCE

MOT STAGE 2



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

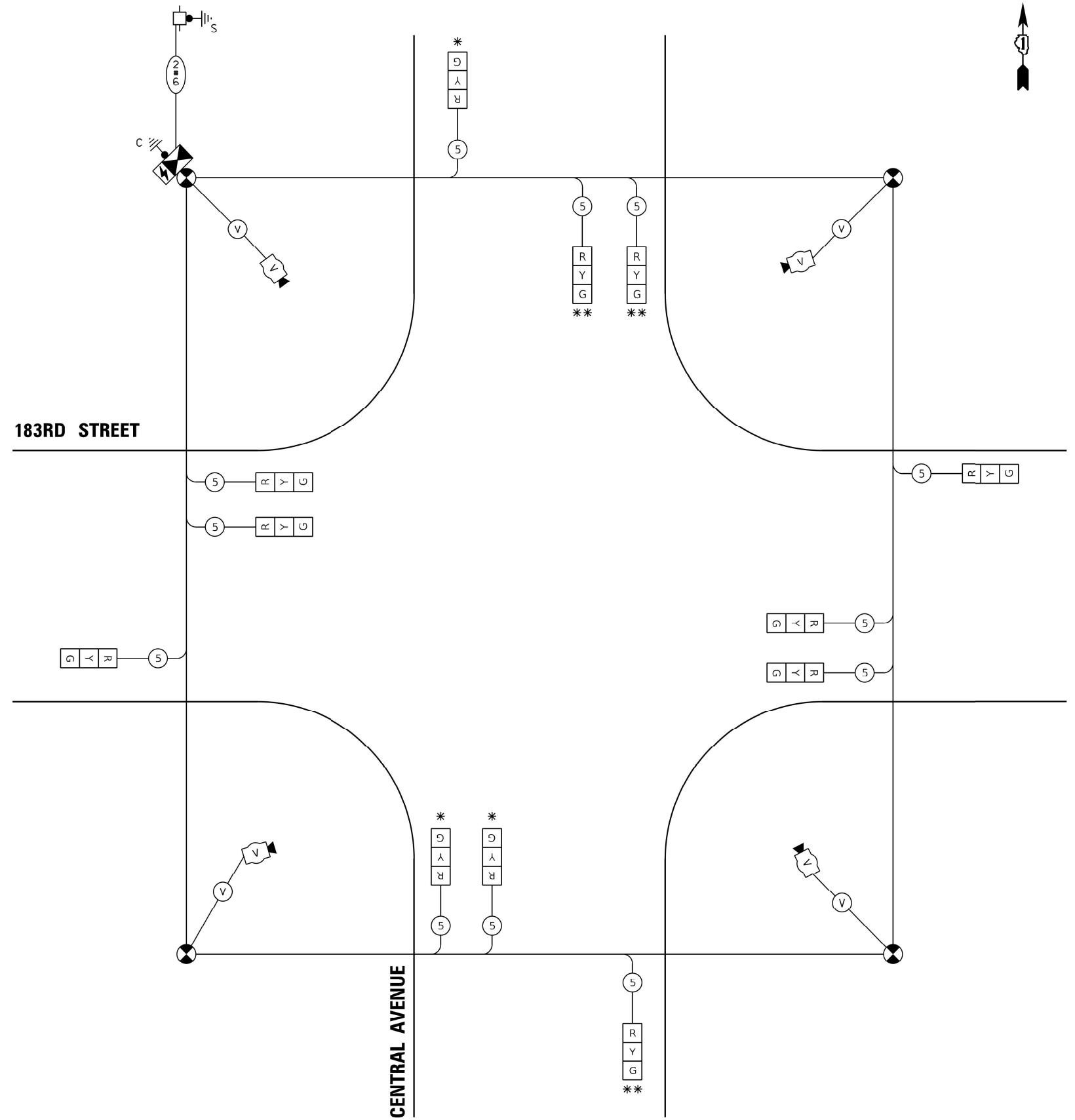
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GRFFN)	12	17	45	64.8
PERMISSIVE ARROW	0	10	10	0.0
PED. SIGNAL	0	20	100	0.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				417.8

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: _____

- * SIGNAL HEAD MUST BE BAGGED AND DEENERGIZED DURING MOT STAGE 1
- * * SIGNAL HEAD MUST BE BAGGED AND DEENERGIZED DURING MOT STAGE 2

183RD STREET



CABLE PLAN
(NOT TO SCALE)

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = \$USERS\$
PLOT SCALE = \$SCALE\$
PLOT DATE = \$DATE\$

DESIGNED - DIANA BRIONES	REVISED -
DRAWN - DIANA BRIONES	REVISED -
CHECKED - ANDREW FREEMAN	REVISED -
DATE - 11/18/2022	REVISED -

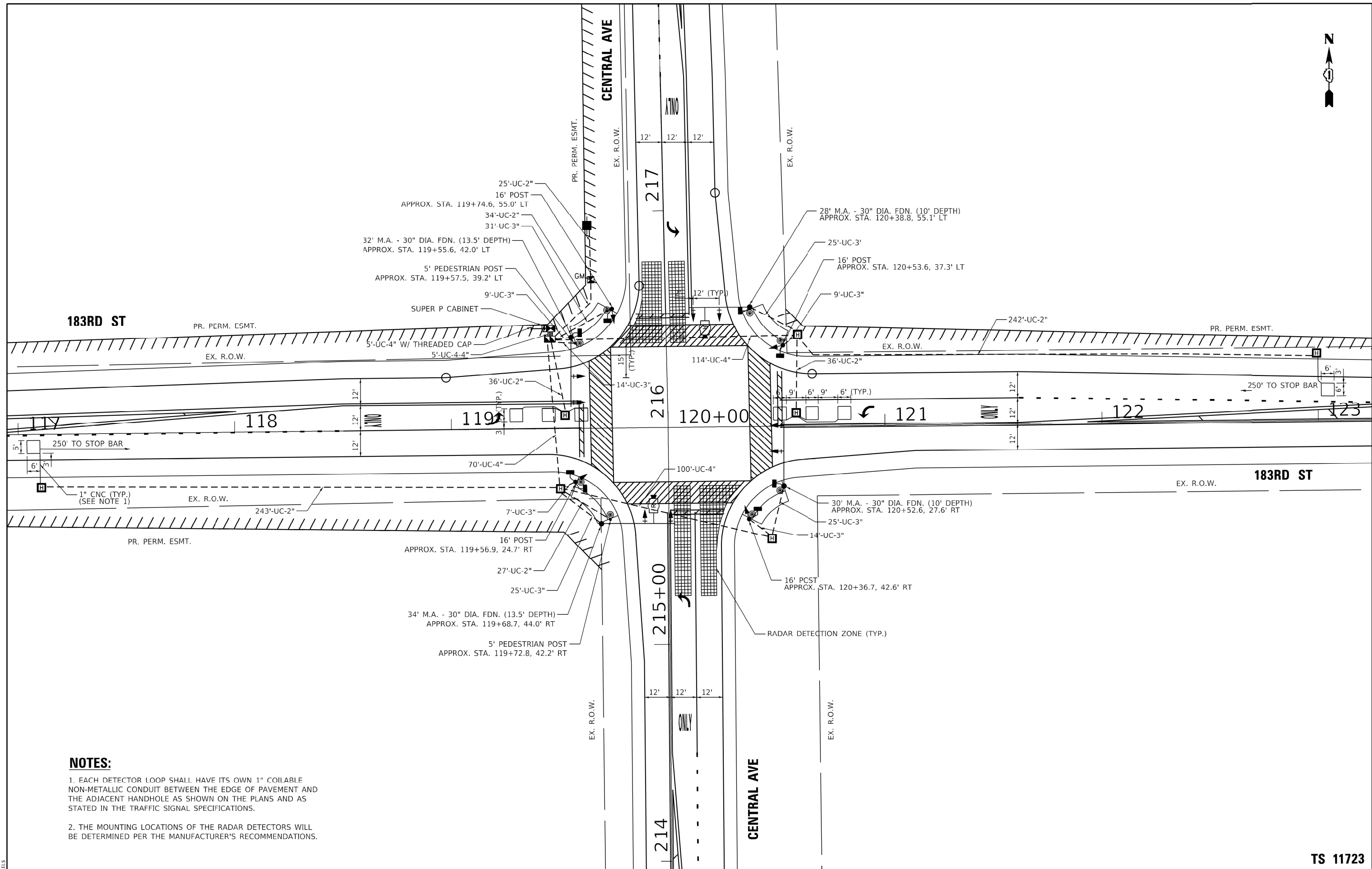
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN AND
TEMPORARY PHASE DESIGNATION DIAGRAM
183RD STREET AND CENTRAL AVENUE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	54
			CONTRACT NO. 62K03	
ILLINOIS FED. AID PROJECT				

TS 11723



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

MODEL: S10DELMMARIES
FILE NAME: S11LES

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = \$USERS
PLOT SCALE = \$\$SCALE\$
PLOT DATE = \$DATES\$

DESIGNED - DIANA BRIONES
DRAWN - DIANA BRIONES
CHECKED - ANDREW FREEMAN
DATE - 11/18/2022

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
183RD ST AND CENTRAL AVE

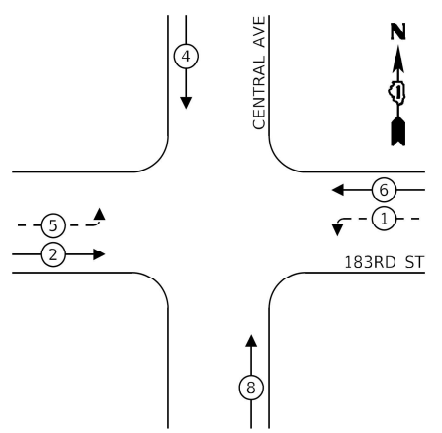
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TSGN	COOK	91	55
			CONTRACT NO. 62K03	
			ILLINOIS FED. AID PROJECT	

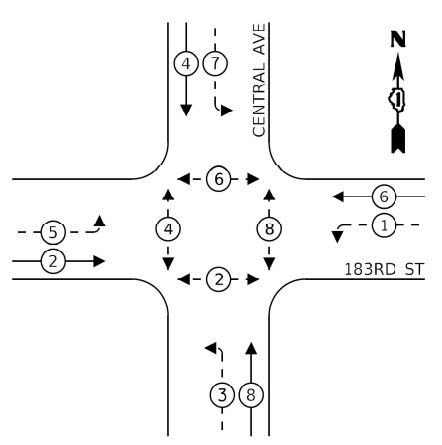
TS 11723



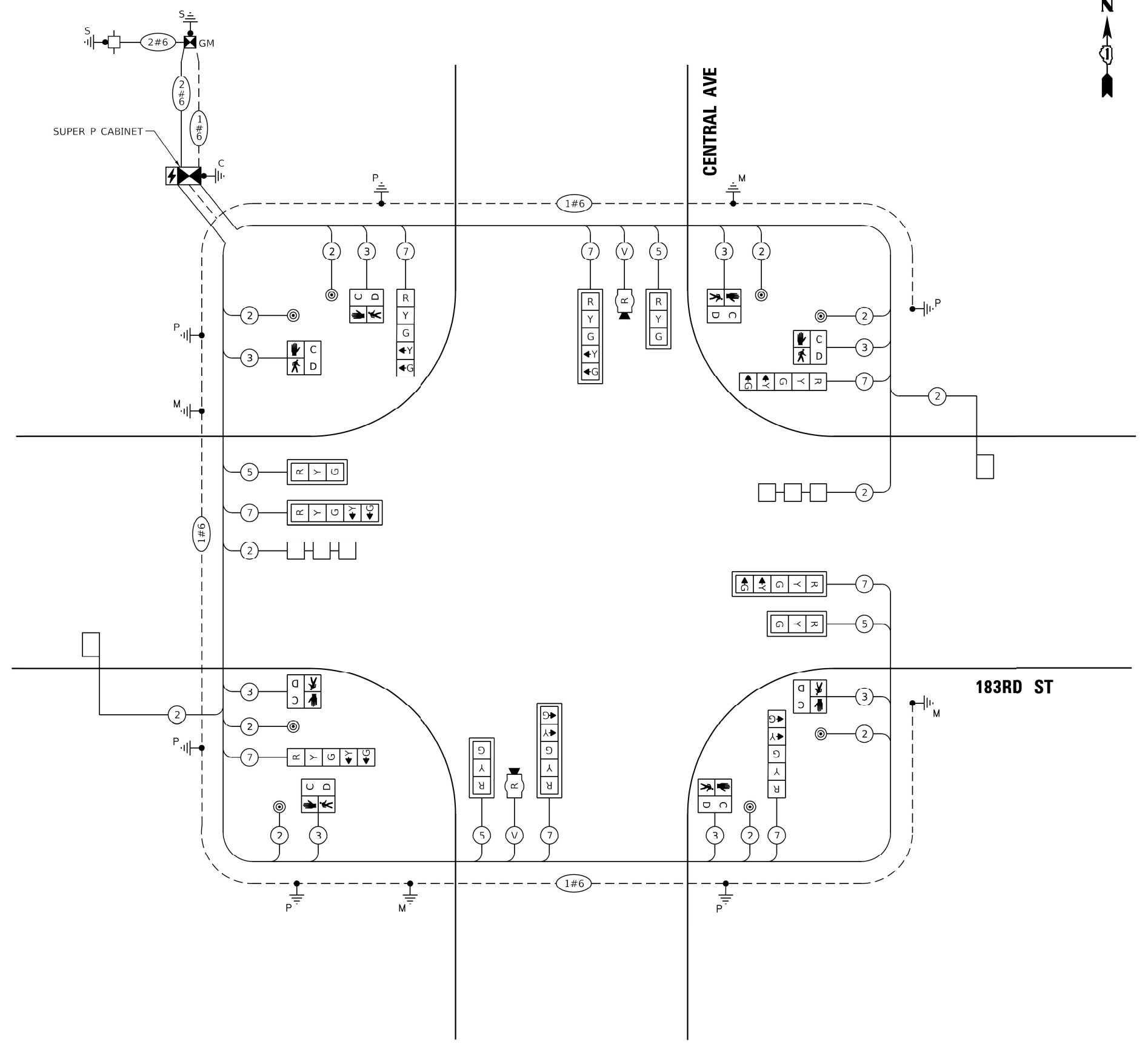
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



- LEGEND:**
- ← ⊙ ← PROTECTED PHASE
 - ← ⊙ → PROTECTED/PERMITTED PHASE
 - ← ⊙ → PEDESTRIAN PHASE
 - ⊙ OL OVERLAP



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GRFFN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				443.8

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: _____

MODEL: \$MODELNAME\$ FILE NAME: \$FILES\$



USER NAME = \$USERS\$
PLOT SCALE = \$SCALE\$
PLOT DATE = \$DATES\$

DESIGNED - DIANA BRIONES
DRAWN - DIANA BRIONES
CHECKED - ANDREW FREEMAN
DATE - 11/18/2022

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN AND PHASE DESIGNATION DIAGRAM
183RD ST AND CENTRAL AVE**

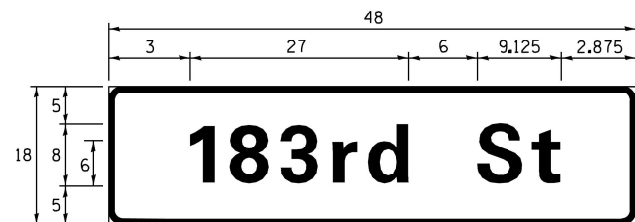
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	56
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

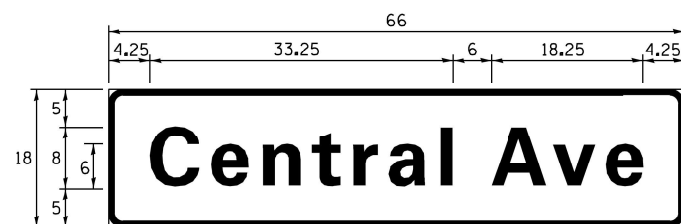
TS 11723

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.00	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	29
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	643
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	159
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	304
HEAVY-DUTY HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1125
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1181
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	742
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1349
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1005
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	98
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	799
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	263
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CONCRETE FOUNDATION, TYPE A 10-INCH DIAMETER	FOOT	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = \$USERS\$	DESIGNED - DIANA BRIONES	REVISED -
	DRAWN - DIANA BRIONES	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - ANDREW FREEMAN	REVISED -
PLOT DATE = \$DATE\$	DATE - 11/18/2022	REVISED -

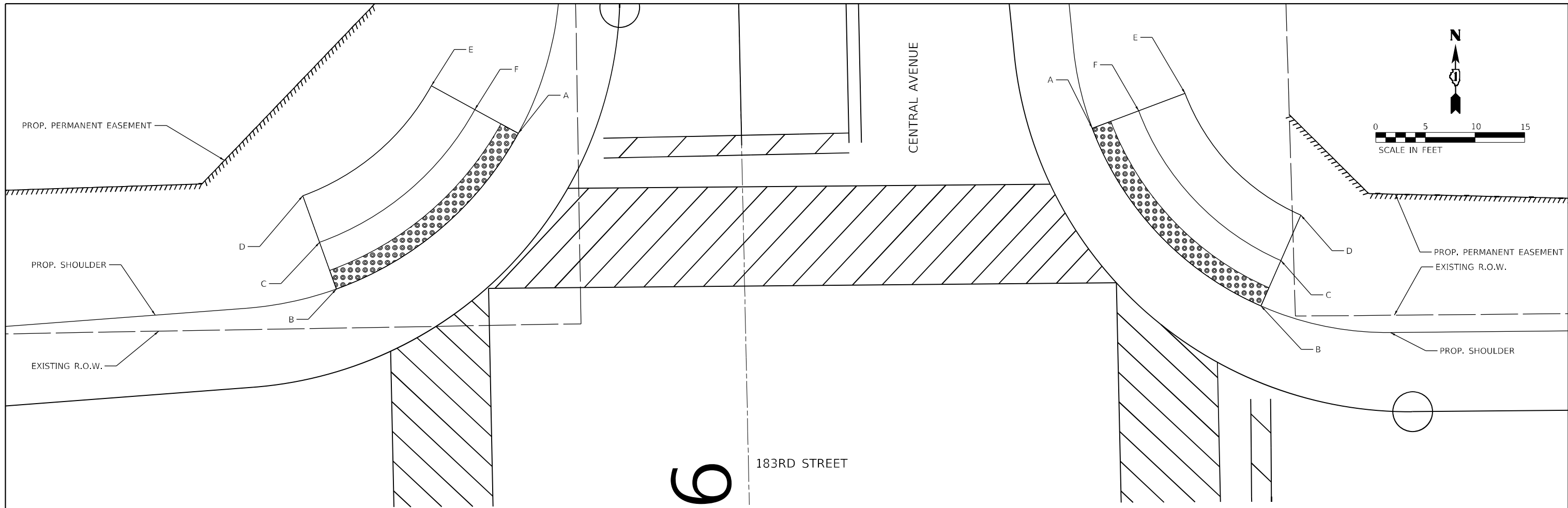
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
183RD ST AND CENTRAL AVE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TSGN	COOK	91	57
			CONTRACT NO. 62K03	
		ILLINOIS	FED. AID PROJECT	

TS 11723



NORTHWEST CORNER DETAIL

POINT	STATION	OFFSET	ELEVATION
A	216+53.13	22.48 LT	698.96
B	119+58.40	37.31 LT	699.11
C	119+56.74	42.03 LT	699.36
D	119+55.09	46.75 LT	699.44
E	216+58.12	31.14 LT	699.28
F	216+55.62	27.65 LT	699.21

SEGMENT	LENGTH (FT)	RADIOUS (FT)	SLOPE (%)
B-A	24.66	34.11	0.61%
C-F	21.04	29.11	0.71%
D-E	17.43	24.11	0.92%
A-F	5.00	N/A	5.00%
F-E	5.00	N/A	1.40%
B-C	5.00	N/A	5.00%
C-D	5.00	N/A	1.60%

NORTHEAST CORNER DETAIL

POINT	STATION	OFFSET	ELEVATION
A	216+52.40	35.36 RT	698.79
B	120+51.55	34.79 LT	699.26
C	120+53.60	39.35 LT	699.01
D	120+55.64	43.91 LT	698.94
E	216+55.74	44.79 RT	698.62
F	216+54.07	40.07 RT	698.69

SEGMENT	LENGTH (FT)	RADIOUS (FT)	SLOPE (%)
B-A	25.36	31.83	1.85%
C-F	21.38	26.83	1.50%
D-E	17.93	21.83	1.47%
A-F	5.00	N/A	2.00%
F-E	5.00	N/A	1.40%
B-C	5.00	N/A	5.00%
C-D	5.00	N/A	1.40%

NOTES

- REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.
- AT DEPRESSED CURBS ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5%, UNLESS NOTED OTHERWISE.

REFERENCE BENCHMARK 4423 EL 693.581 (NOT SHOWN)

BENCHMARK: SQUARE

LOCATION: 183RD WEST, STA 100+24.44, 76.00' LT

LEGEND

	EXISTING LENGTH		REMOVE AND REINSTALL BRICK PAVER
	EXISTING ELEVATION / SLOPE		
	PROPOSED SIDEWALK		
	DETECTABLE WARNINGS		
	SIDEWALK REMOVAL		
	REPLACE WITH TOPSOIL AND SOD		
	DEPRESSED CURB AND GUTTER		
	SIDE CURB		

REFERENCE BENCHMARK 4423 EL 693.581 (NOT SHOWN)

BENCHMARK: SQUARE

LOCATION: 183RD WEST, STA 100+24.44, 76.00' LT

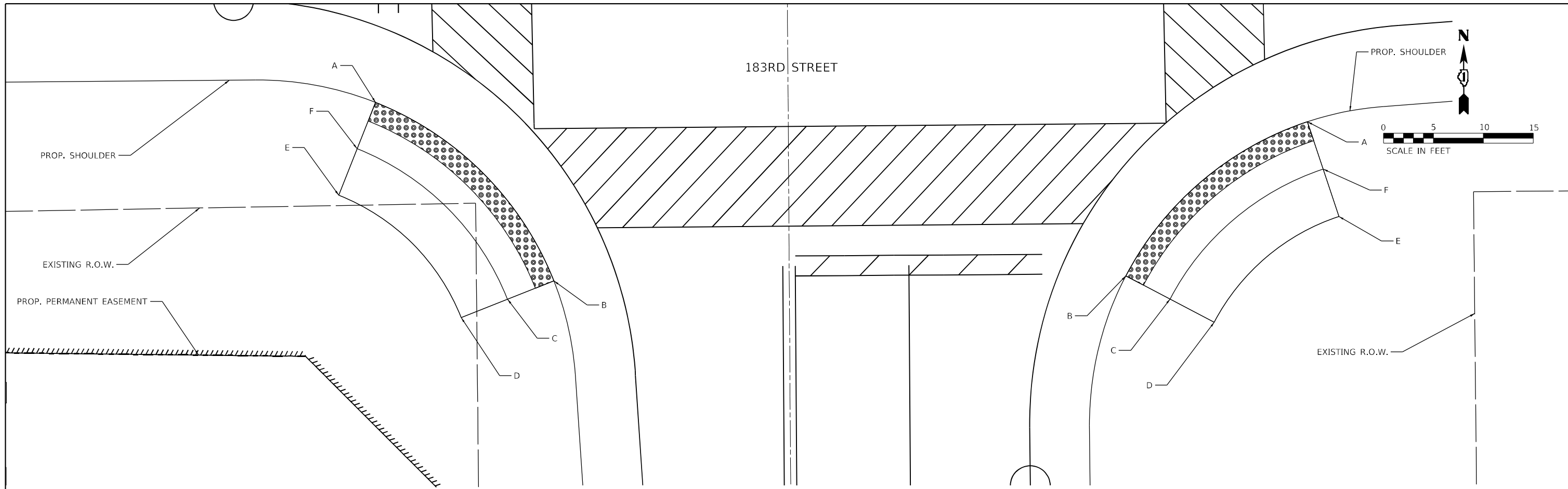
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
183RD STREET AT CENTRAL AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	58
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE: \\blmfe-pw-bendley.com\P\DOT\Documents\DOT_Offices\District_11\Projects\117509\CAD\Drawings\Design\117509-sh-ada-ramp.dwg



SOUTH WEST CORNER DETAIL

POINT	STATION	OFFSET	ELEVATION
A	119+58.61	22.35 RT	699.34
B	215+59.55	23.59 LT	699.07
C	215+57.75	28.25 LT	699.32
D	215+55.94	32.91 LT	699.39
E	119+54.84	31.61 RT	699.67
F	119+56.73	26.98 RT	699.59

SEGMENT	LENGTH (FT)	RADIOUS (FT)	SLOPE (%)
B-A	26.01	31.86	1.04%
C-F	21.93	26.86	1.23%
D-E	17.85	21.86	1.57%
A-F	5.00	N/A	5.00%
F-E	5.00	N/A	1.60%
B-C	5.00	N/A	5.00%
C-D	5.00	N/A	1.40%

SOUTH EAST CORNER DETAIL

POINT	STATION	OFFSET	ELEVATION
A	120+51.99	25.10 RT	699.38
B	215+59.56	33.72 RT	698.97
C	215+57.32	38.14 RT	699.22
D	215+54.97	42.55 RT	699.29
E	120+55.05	34.62 RT	699.55
F	120+53.52	29.86 RT	699.48

SEGMENT	LENGTH (FT)	RADIOUS (FT)	SLOPE (%)
B-A	24.48	31.85	1.67%
C-F	20.64	26.85	1.26%
D-E	16.80	21.85	1.55%
A-F	5.00	N/A	2.00%
F-E	5.00	N/A	1.40%
B-C	5.00	N/A	5.00%
C-D	5.00	N/A	1.40%

NOTES

- REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.
- AT DEPRESSED CURBS ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5%, UNLESS NOTED OTHERWISE.

REFERENCE BENCHMARK 4423 EL 693.581 (NOT SHOWN)
 BENCHMARK: SQUARE
 LOCATION: 183RD WEST, STA 100+24.44, 76.00' LT

LEGEND

	EXISTING LENGTH		REMOVE AND REINSTALL BRICK PAVER
(XXX.XX)	EXISTING ELEVATION / SLOPE		PROPOSED SIDEWALK
	DETECTABLE WARNINGS		SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER		SIDE CURB

REFERENCE BENCHMARK 4423 EL 693.581 (NOT SHOWN)
 BENCHMARK: SQUARE
 LOCATION: 183RD WEST, STA 100+24.44, 76.00' LT

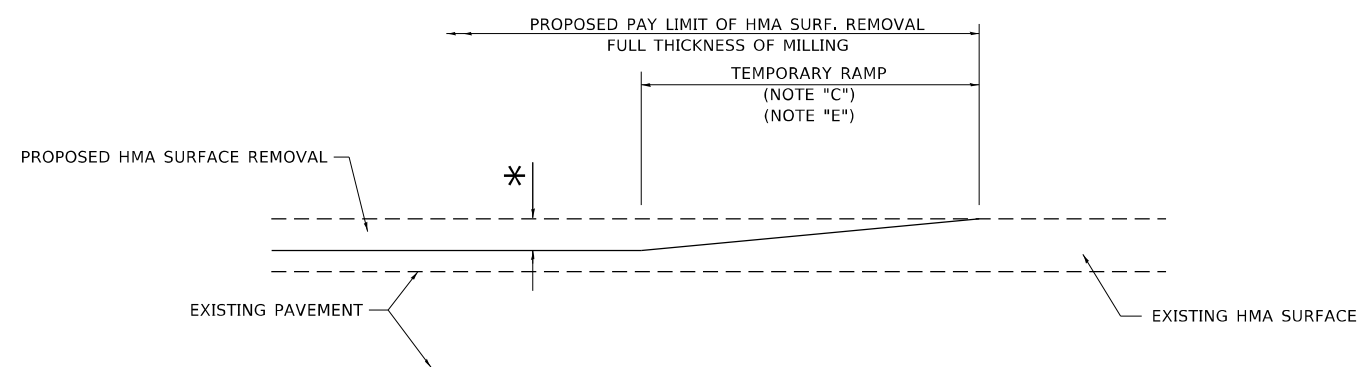
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 183RD STREET AT CENTRAL AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	59
CONTRACT NO. 62K03				
ILLINOIS FED. AID PROJECT				

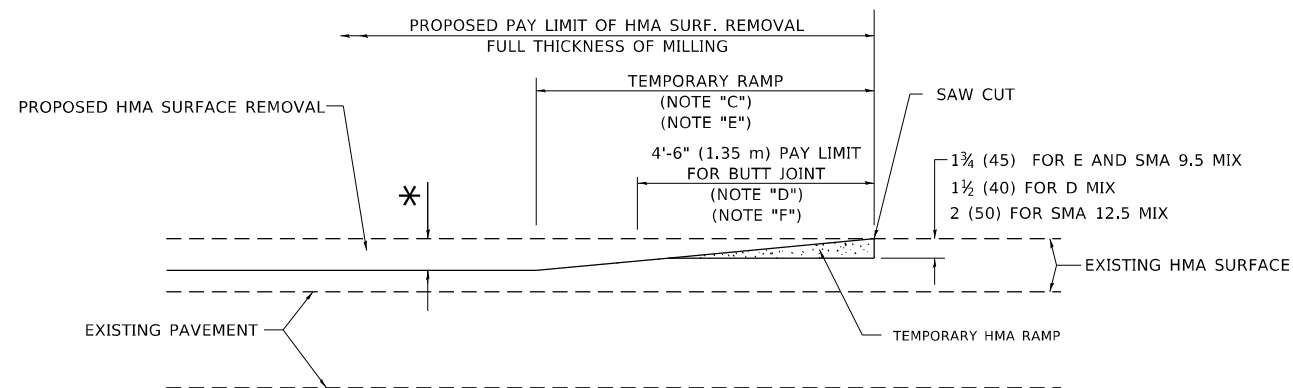
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 PROJECT: 183RD STREET AT CENTRAL AVENUE
 DATE: 12/16/2022



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

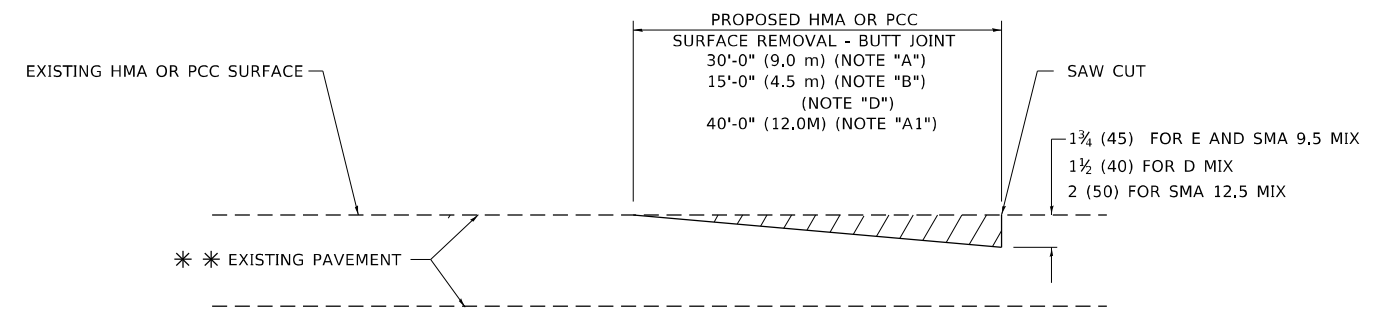


HMA CONSTRUCTED TEMPORARY RAMP

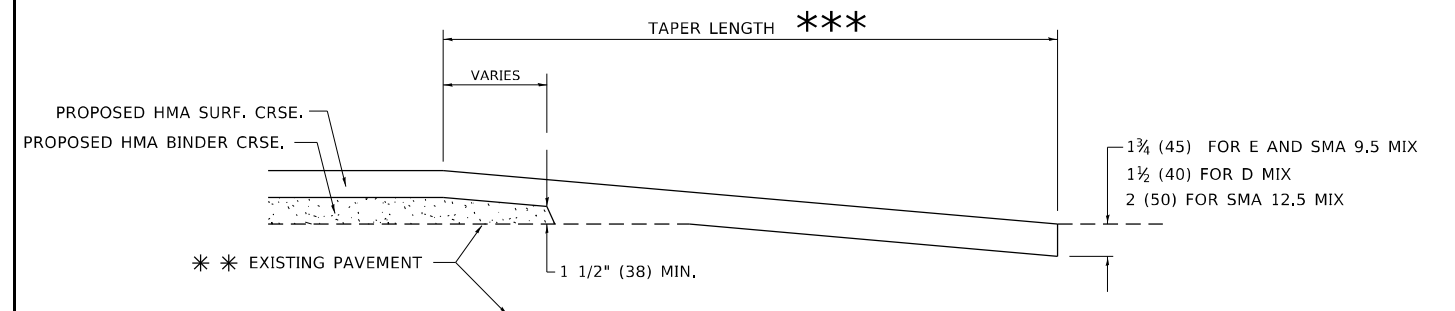
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

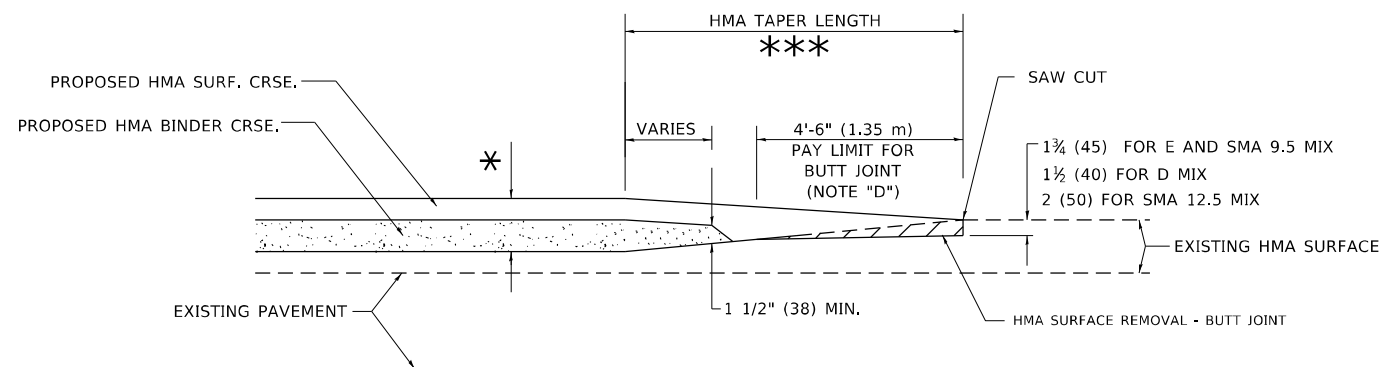
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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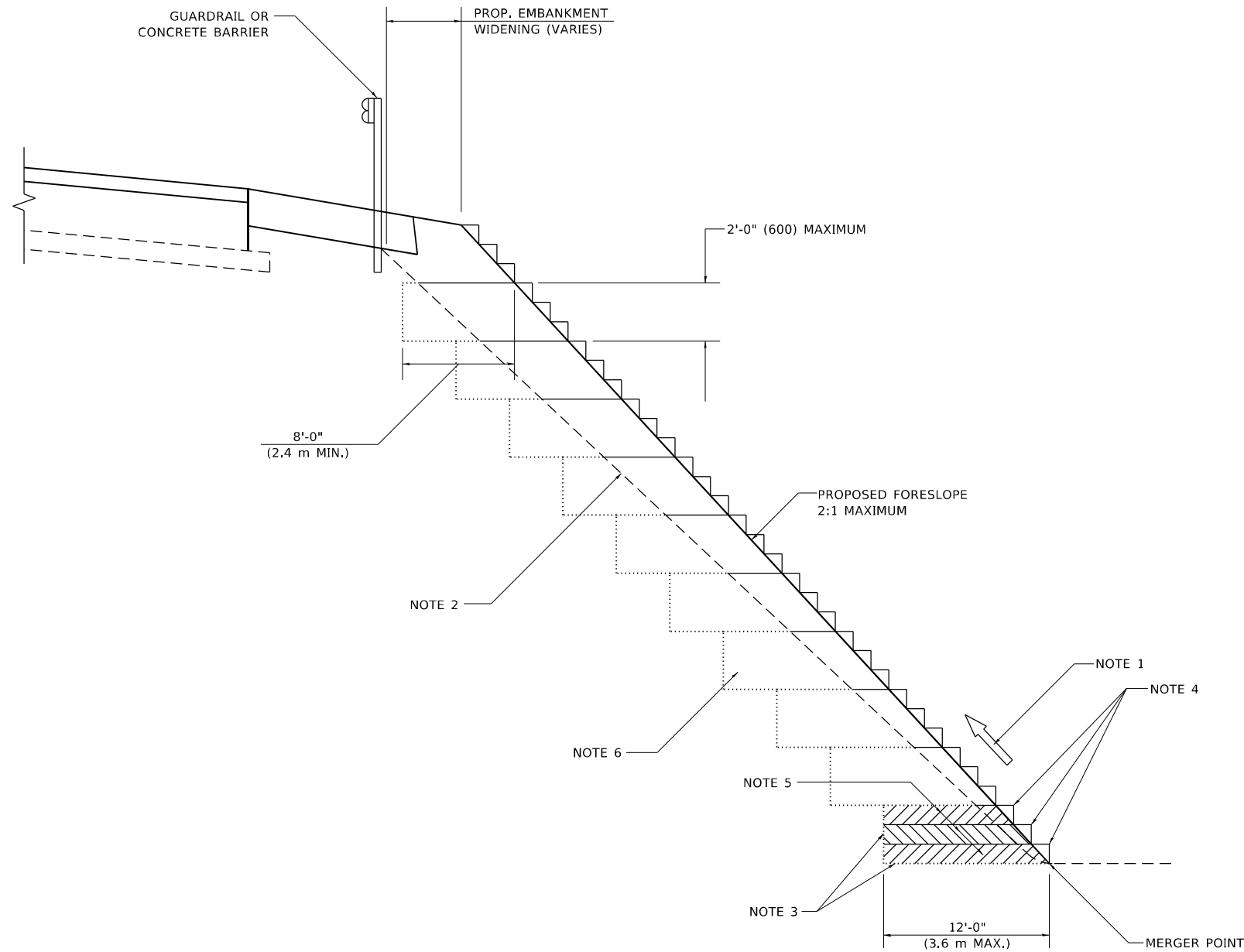
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PLOT DATE = 12/16/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	60
BD400-05 BD-32		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

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	DRAWN - CADD	REVISED -
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PLOT DATE = 12/16/2022	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**










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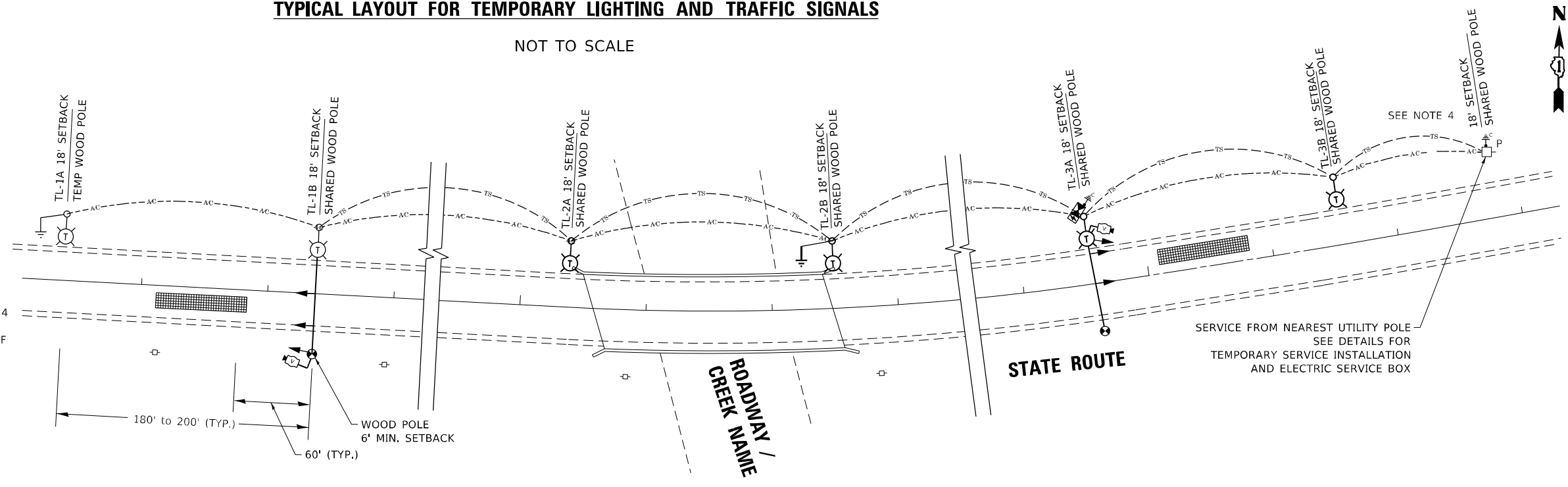
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1622	2019-130-TS&N	COOK	91	61
BD-51		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				

TYPICAL LAYOUT FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS

NOT TO SCALE

LEGEND

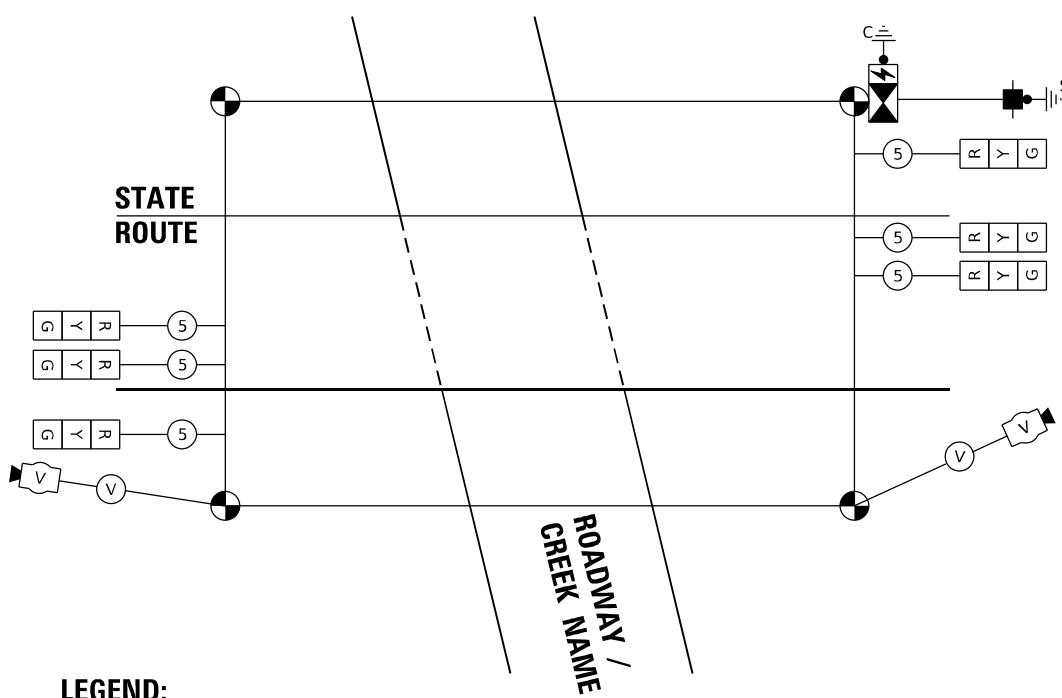
-  26,000-30,000 LUMENS, 120V, MCIII LED WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
-  3-1/C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
-  GROUND ROD 5/8" DIA. x 10'
-  COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
-  TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
-  TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
-  TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.
-  TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
-  TEMPORARY VIDEO DETECTOR






GENERAL NOTES:

1. CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENCE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
2. UNLESS OTHERWISE INDICATED, AND EXCEPT AS OTHERWISE NOTED, THIS STANDARDIZED LAYOUT SHALL APPLY FOR BRIDGES NOT EXCEEDING A 250-FOOT SPAN. FOR BRIDGE SPANS IN EXCESS OF 250 FEET, THE POLES IMMEDIATELY ADJACENT TO THE BRIDGE SHALL BE 100-FOOT POLES (90-FOOT MOUNTING HEIGHT), WITH 56,000-60,000 LUMENS TYPE III LED HIGH-MAST LUMINAIRES AS APPROVED BY THE ENGINEER.
3. THE LAYOUT OF THE TEMPORARY EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, STAGING, UTILITY IMPACTS, AND THE ELECTRIC SERVICE LOCATION AS COORDINATED WITH THE ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF POLES, TRAFFIC SIGNALS, AND COMBINED SERVICE. THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE ANY POLES ARE PLACED
4. THE ELECTRIC SERVICE SHALL BE 240/120V, WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE. DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPURTENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED REGARDLESS OF THE SERVICE VOLTAGE APPLIED.
5. THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATION SHALL SHARE ANY COMMON ELEMENTS SUCH AS WOOD POLES, ELECTRICAL SERVICE, ELECTRIC SERVICE BOX, CABLE, ETC. THE CONTRACTOR SHALL COORDINATE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATIONS.
6. THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 18 FT. UNLESS THE LIGHT POLE IS BEHIND GUARDRAIL. THE LIGHT POLES INSTALLED BEHIND THE GUARDRAIL OR BARRIER WALL SHOULD HAVE AT LEAST 8 FT. SETBACK FROM THE BACK OF THE SHOULDER AND OR AS DIRECTED BY THE ENGINEER.
7. EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
8. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
9. ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.
10. THIS LAYOUT IS ONLY FOR SINGLE LANE STAGING WITHOUT PRIVATE DRIVEWAYS WITHIN SINGLE LANE WORK ZONE.

CABLE PLAN AND PHASE DESIGNATION DIAGRAM (TYPICAL)



LEGEND:

-  TEMPORARY VIDEO / RADAR DETECTOR
-  TEMPORARY SIGNAL HEAD 12" SECTION.
-  CABLE INDICATES NUMBER OF CONDUCTORS IN CABLE ALL CONDUCTORS TO BE NUMBER 14 AWG UNLESS OTHERWISE NOTED.

LEGEND:

-  NUMBER ASSOCIATED WITH PROTECTED PHASE

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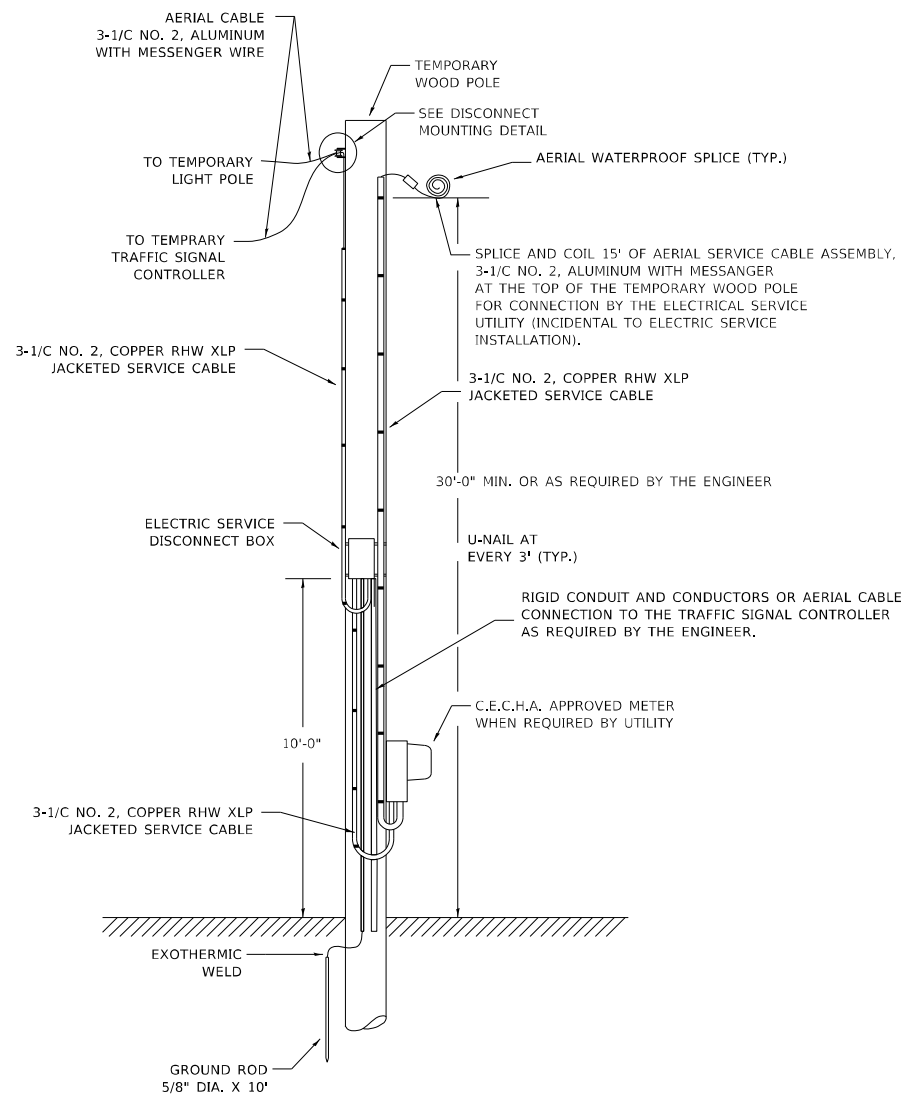
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PLOT DATE = 12/16/2022	DATE - 01/14/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING**

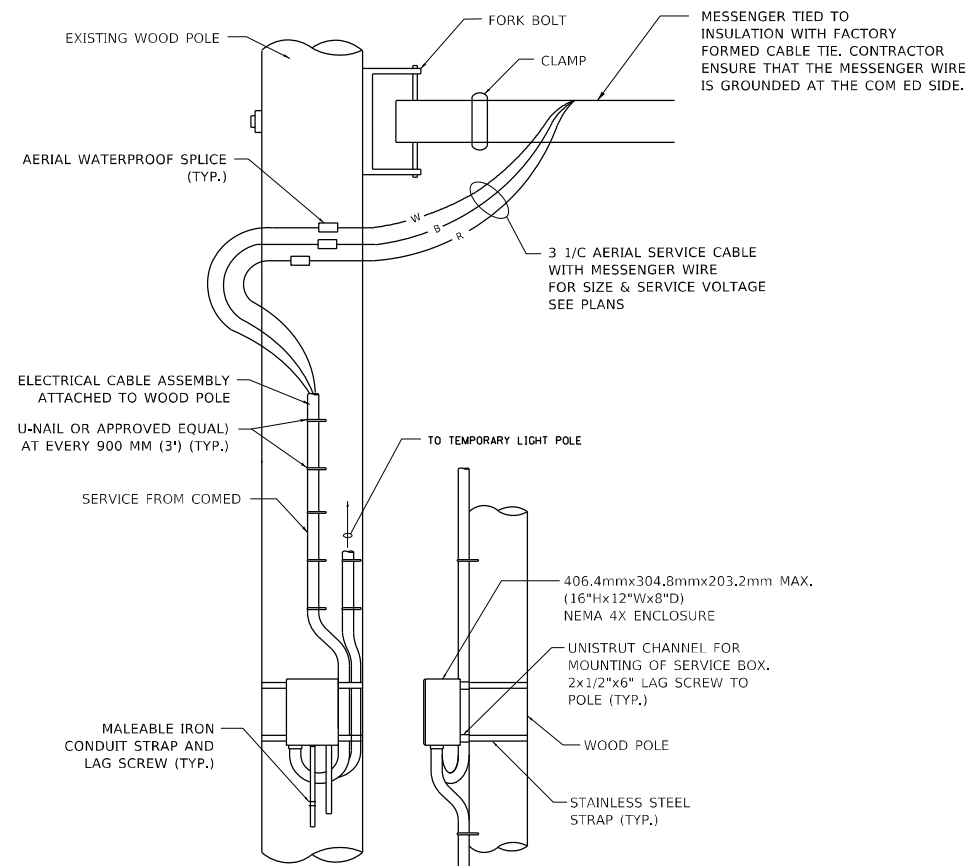
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	62
BE-805		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				



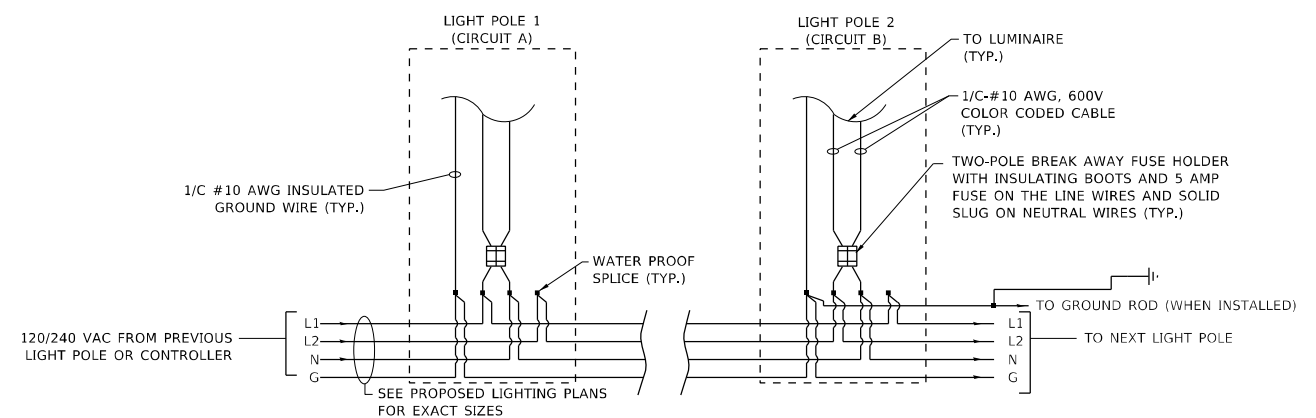
TEMPORARY SERVICE INSTALLATION DETAIL

NOT TO SCALE



DISCONNECT MOUNTING DETAIL

NOT TO SCALE



LIGHT POLE WIRING DETAIL

NOT TO SCALE

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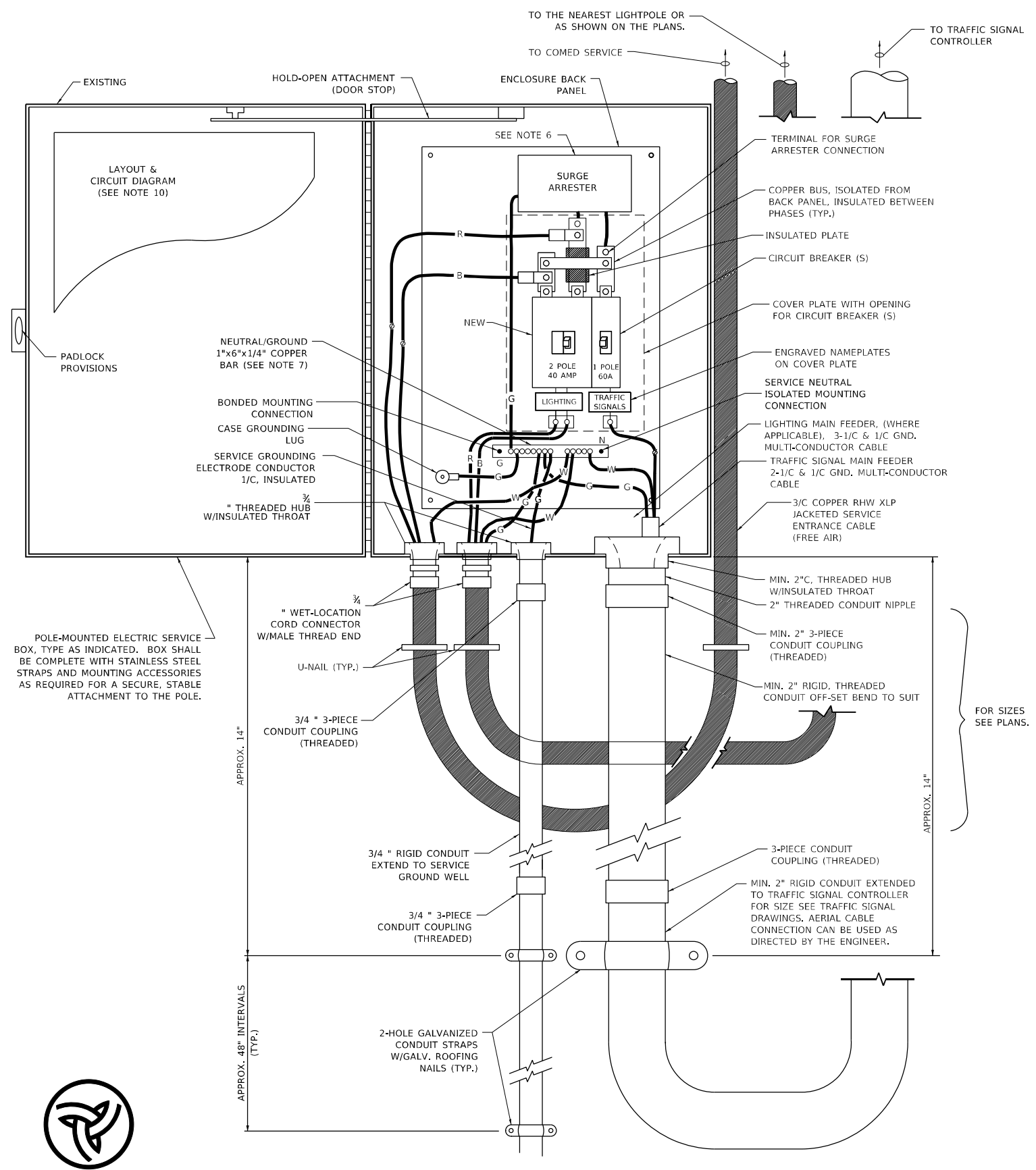
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING**

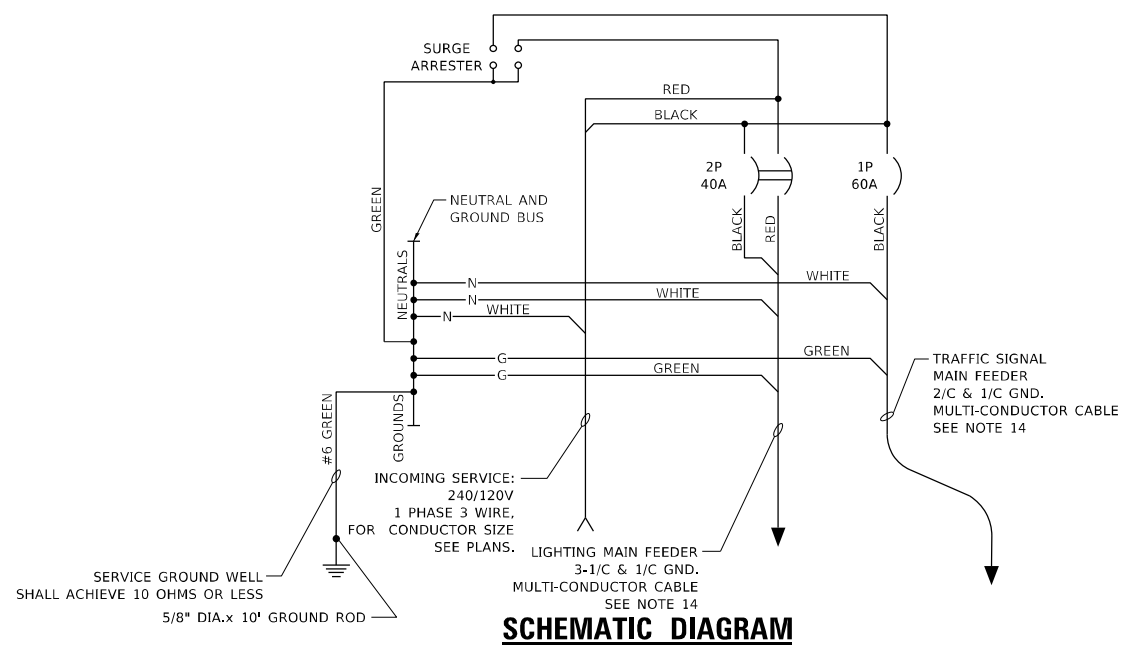
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	63
BE-805		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				



NOTES:

- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
- THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER AND TRAFFIC SIGNALS MAIN BREAKER AS REQUIRED.
- THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H1208S56LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
- THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTAGE SINGLE PHASE 60HZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CM0V230L065XST OR APPROVED EQUAL.
- BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
- THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
- LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



POLE-MOUNTED ELECTRIC SERVICE ENTRANCE
GENERAL LAYOUT DIAGRAM
 NOT TO SCALE

6" DECAL ON FRONT COVER

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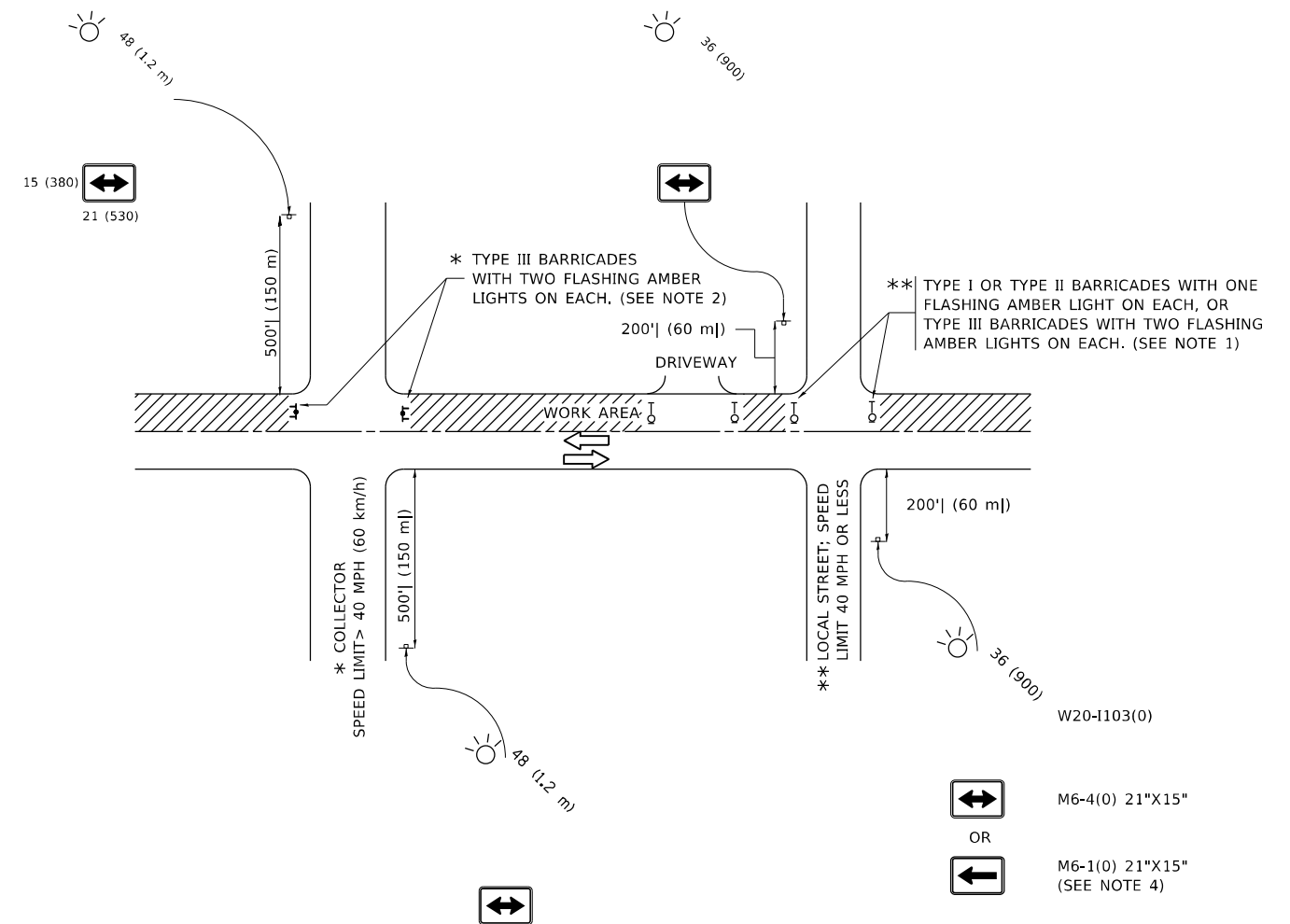
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PLOT DATE = 12/16/2022	DATE - 01/14/10	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	64
BE-805		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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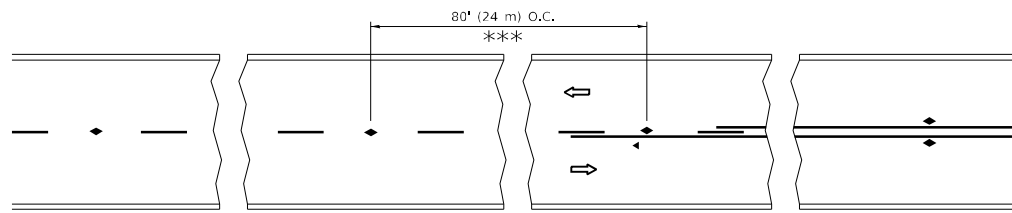
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PLOT DATE = 12/16/2022	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

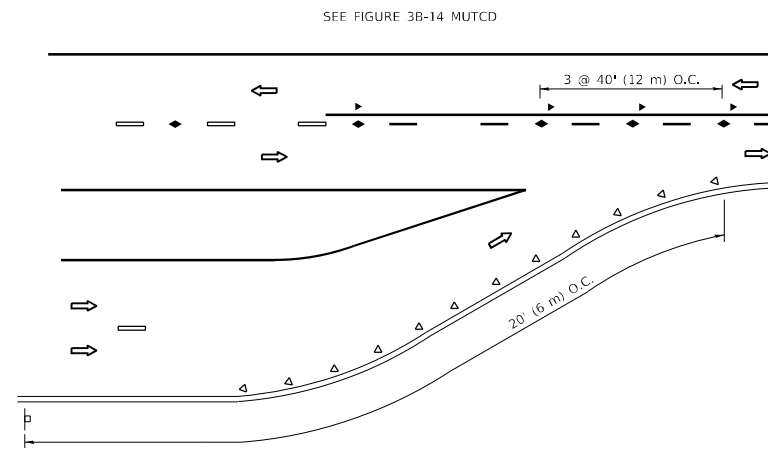
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	65
TC-10		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				

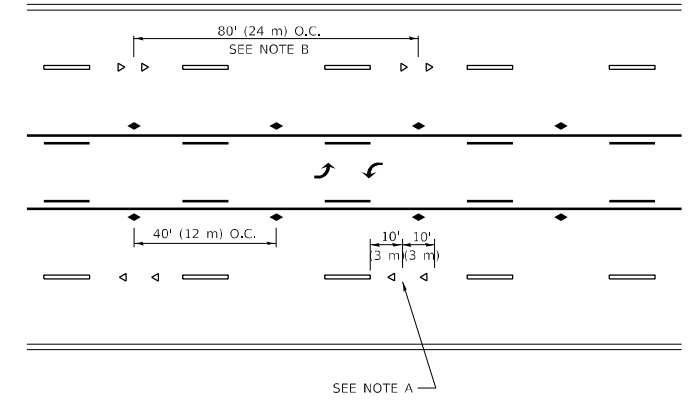


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

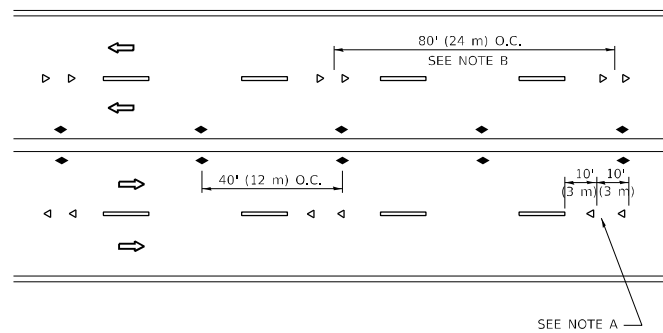
TWO-LANE/TWO-WAY



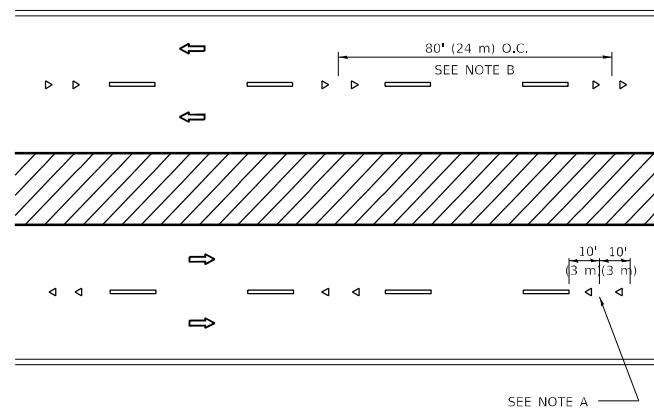
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

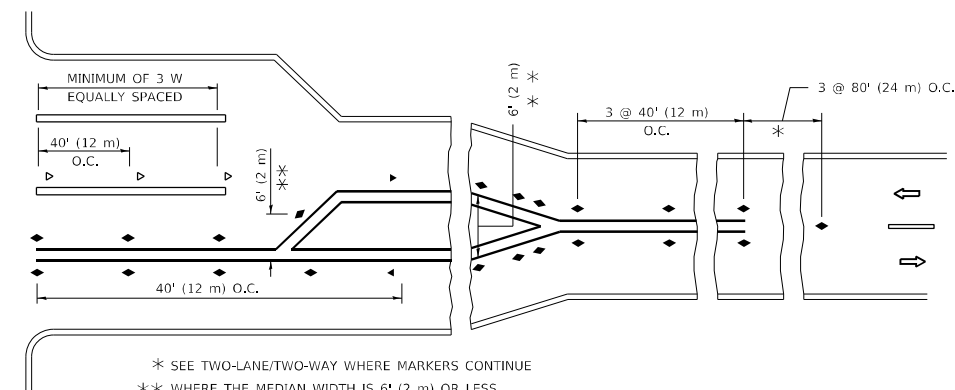
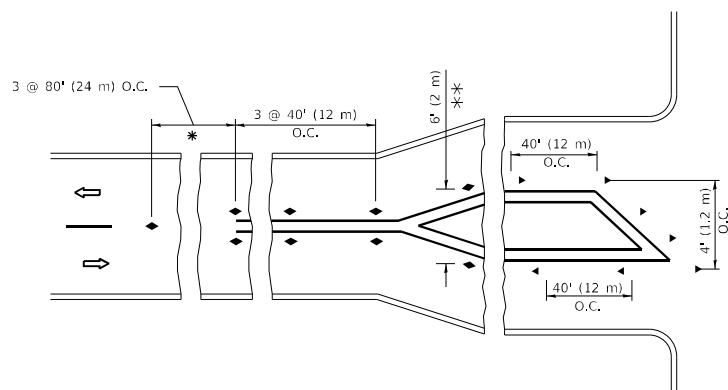
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

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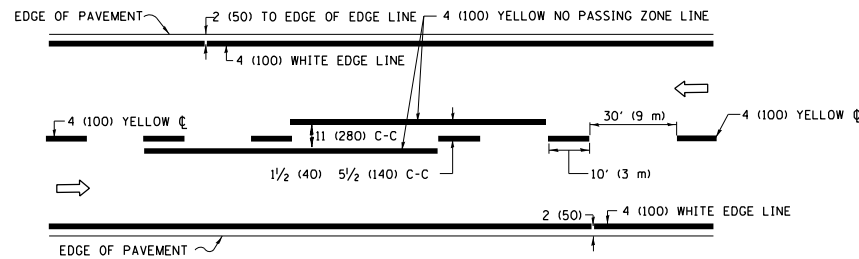
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PLOT DATE = 12/16/2022	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

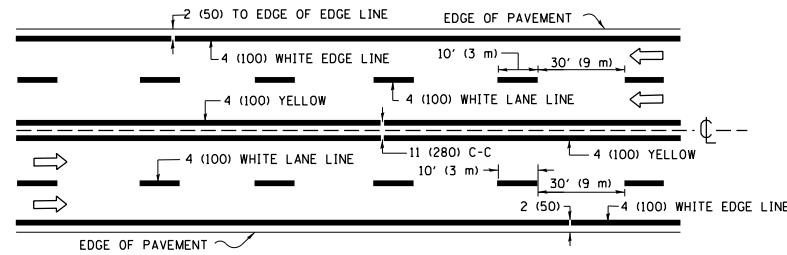
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

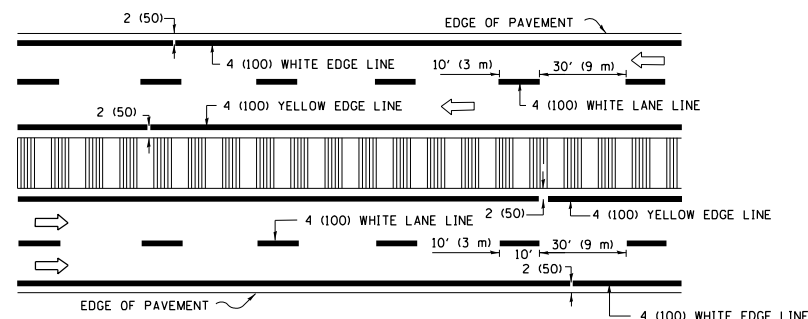
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	66
TC-11			CONTRACT NO. 62K03	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

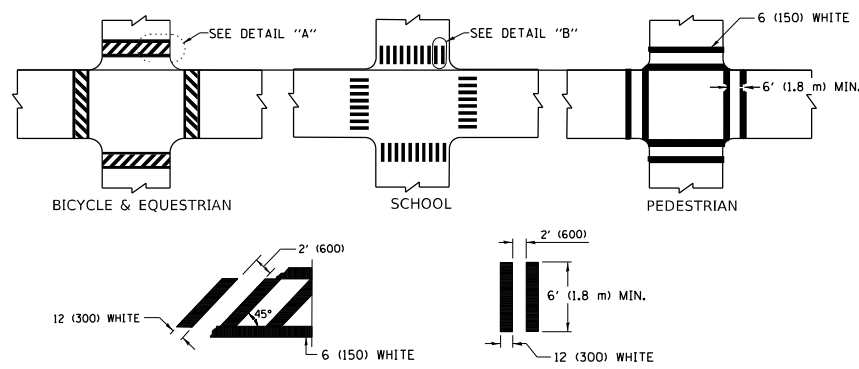


MULTI-LANE UNDIVIDED



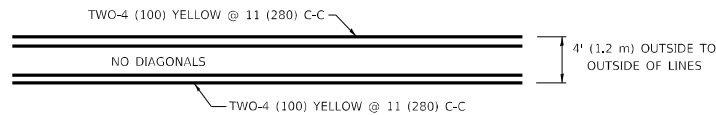
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

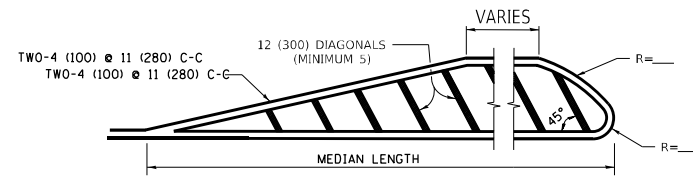


TYPICAL CROSSWALK MARKING

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



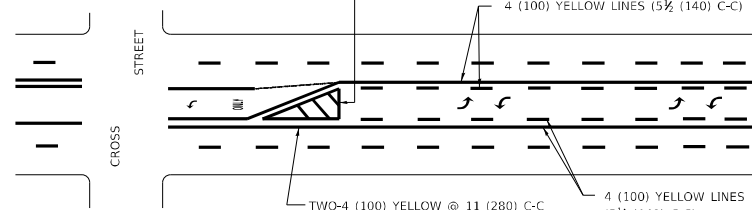
4' (1.2 m) WIDE MEDIANS ONLY



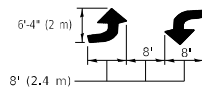
MEDIANS OVER 4' (1.2 m) WIDE

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

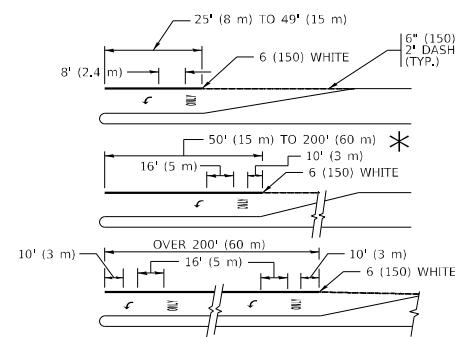


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



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

TYPICAL PAINTED MEDIAN MARKING

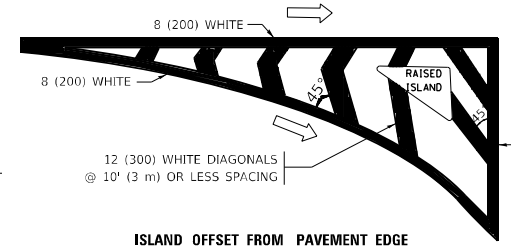


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

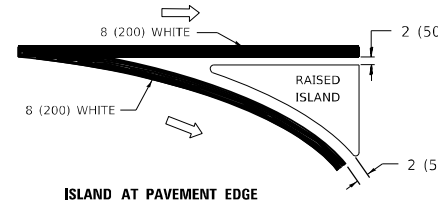
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

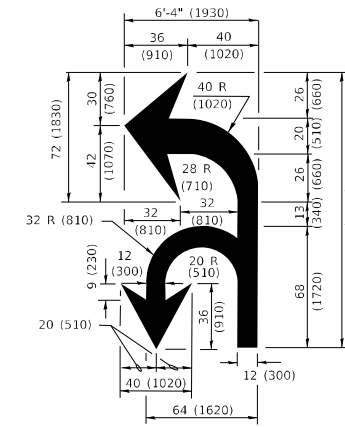
TYPICAL TURN LANE MARKING



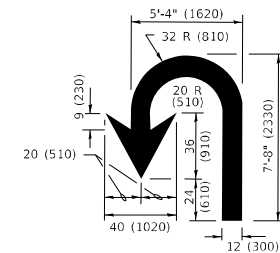
ISLAND OFFSET FROM PAVEMENT EDGE



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	5/2 (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; 5/2 (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" IS 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.

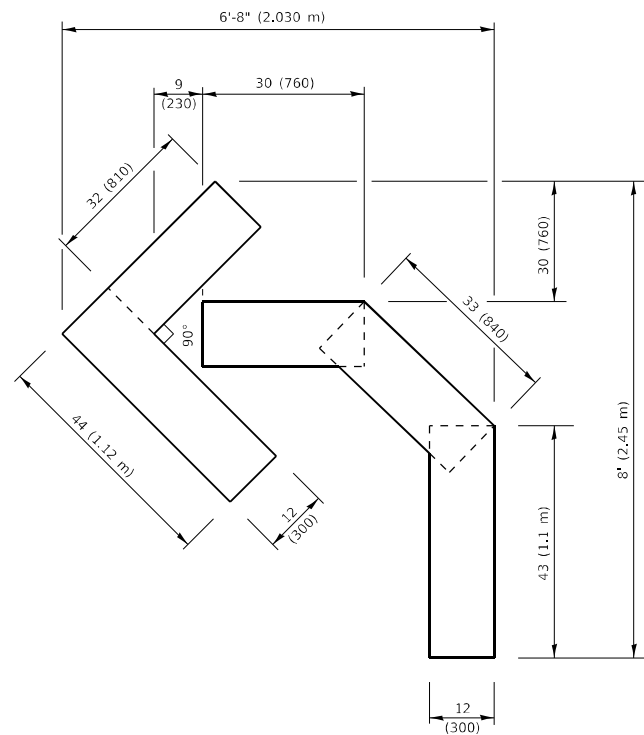
All dimensions are in inches (millimeters) unless otherwise shown.

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USER NAME	DESIGNED	REVISION
Omar, Mesad	EVERS	C. JUCIUS 09-09-09
		C. JUCIUS 07-01-13
		C. JUCIUS 12-21-15
		C. JUCIUS 04-12-16

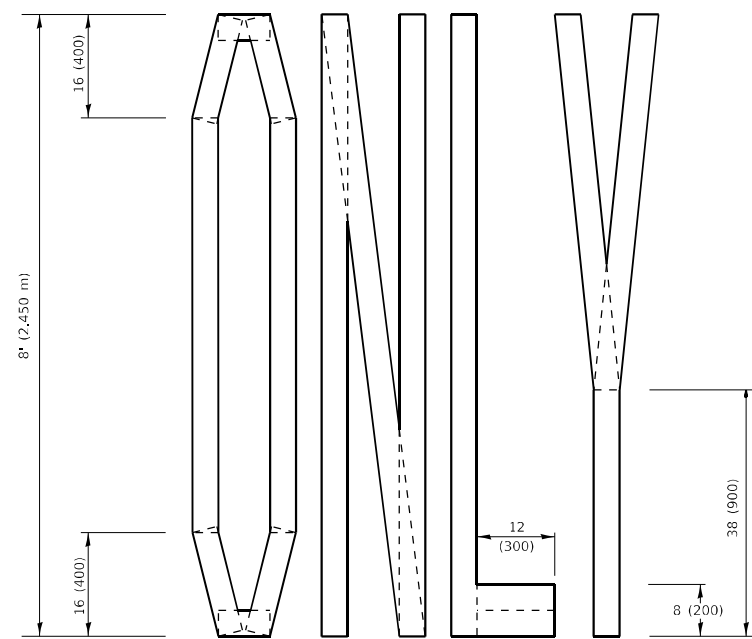
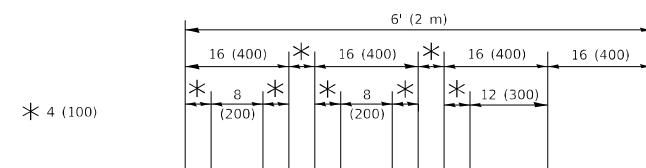
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
1622	2019-130-TS&N	COOK	91
SCALE: NONE		SHEET 1 OF 2 SHEETS	
STA.		TO STA.	
TC-13		CONTRACT NO. 62K03	
ILLINOIS FED. AID PROJECT			



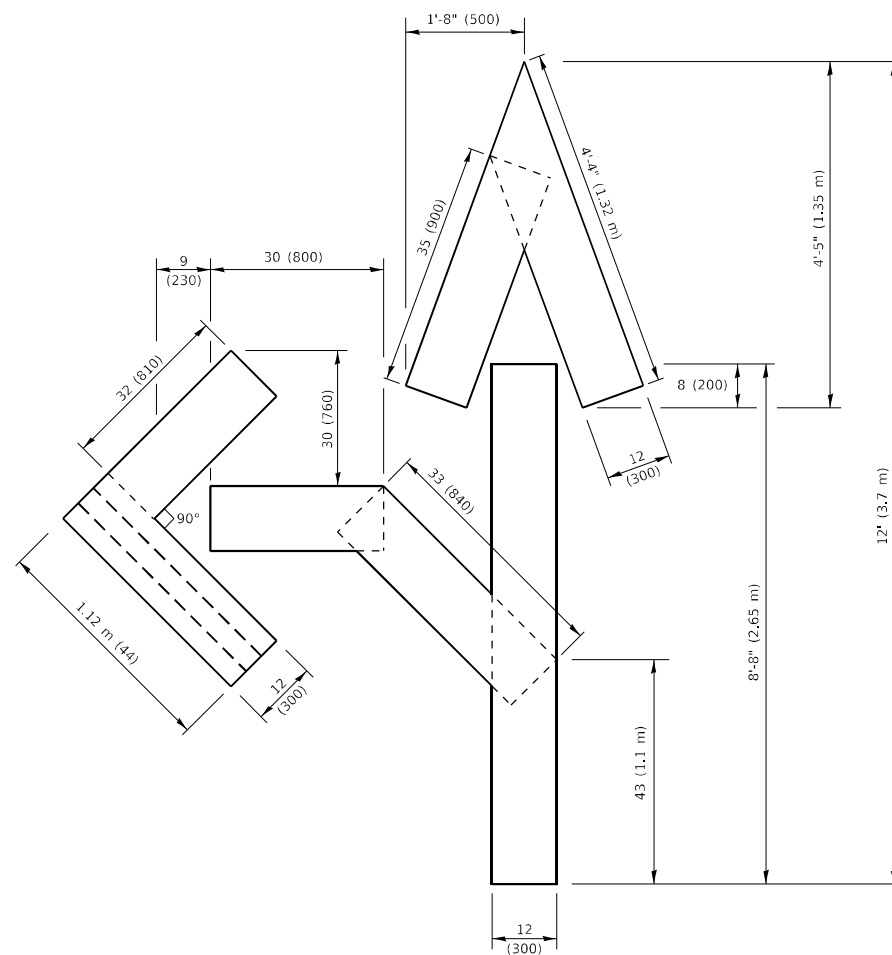
QUANTITY

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)

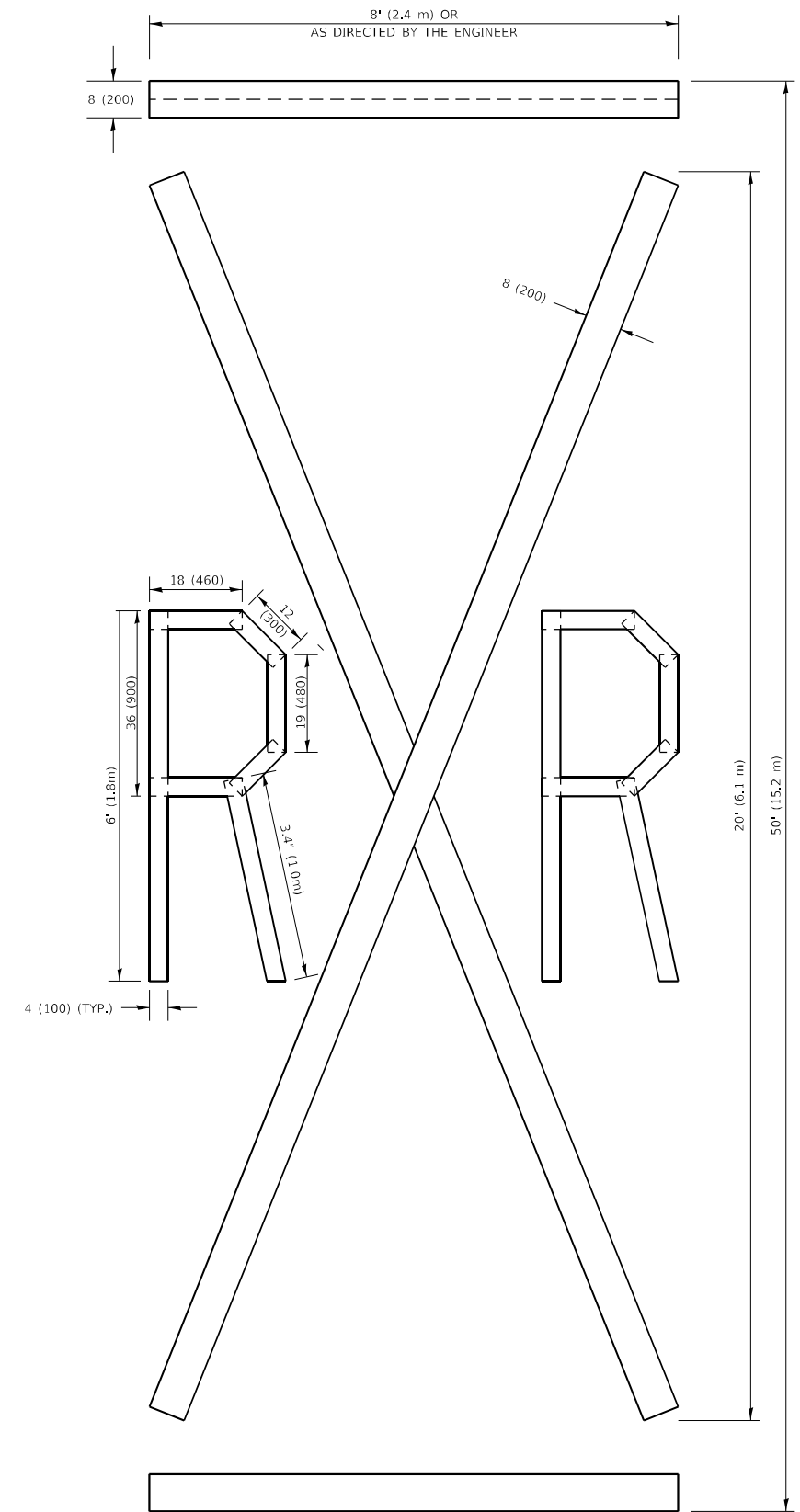


QUANTITY

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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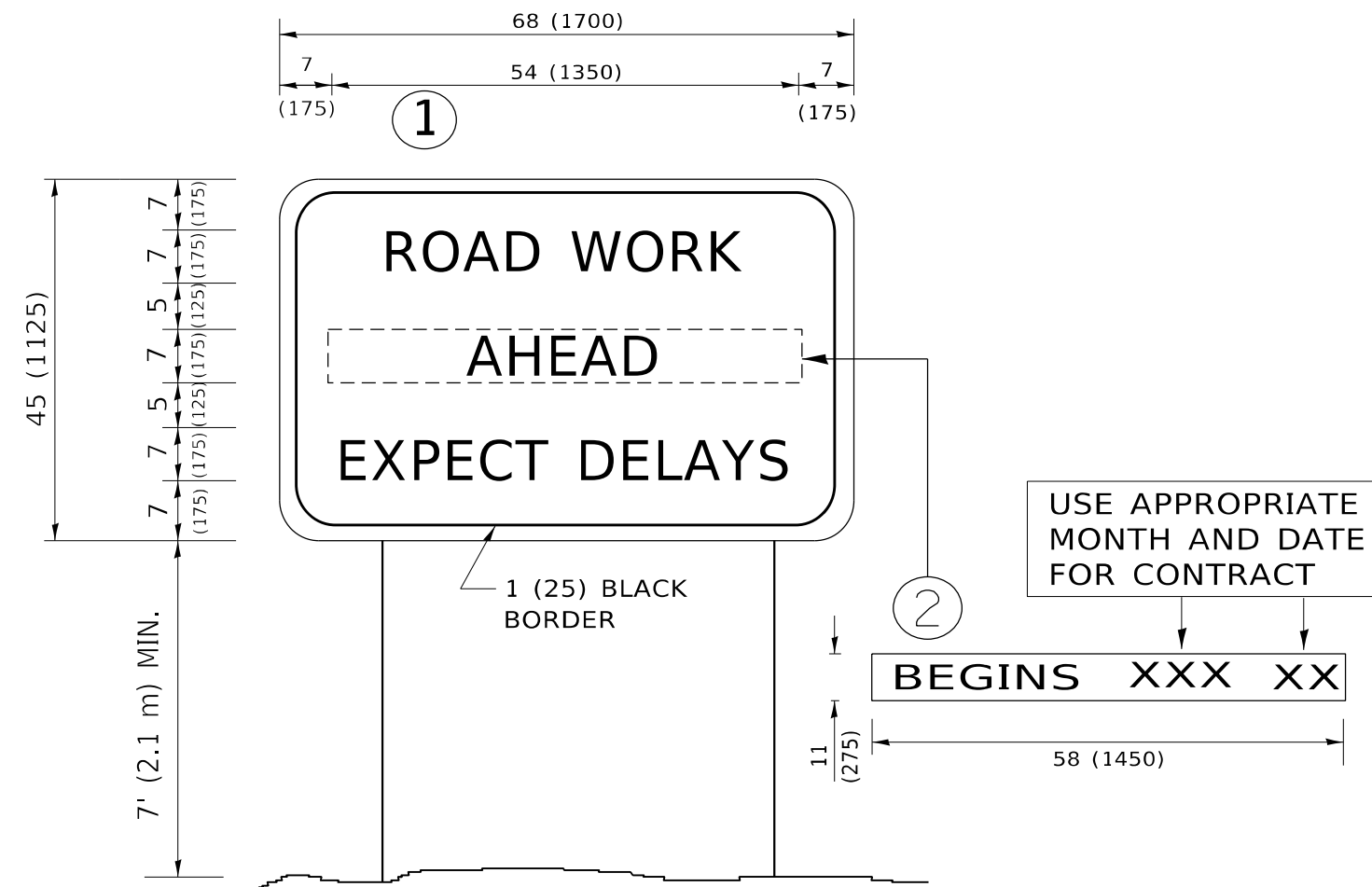
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0010 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/16/2022	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	68
TC-16		CONTRACT NO. 62K03		
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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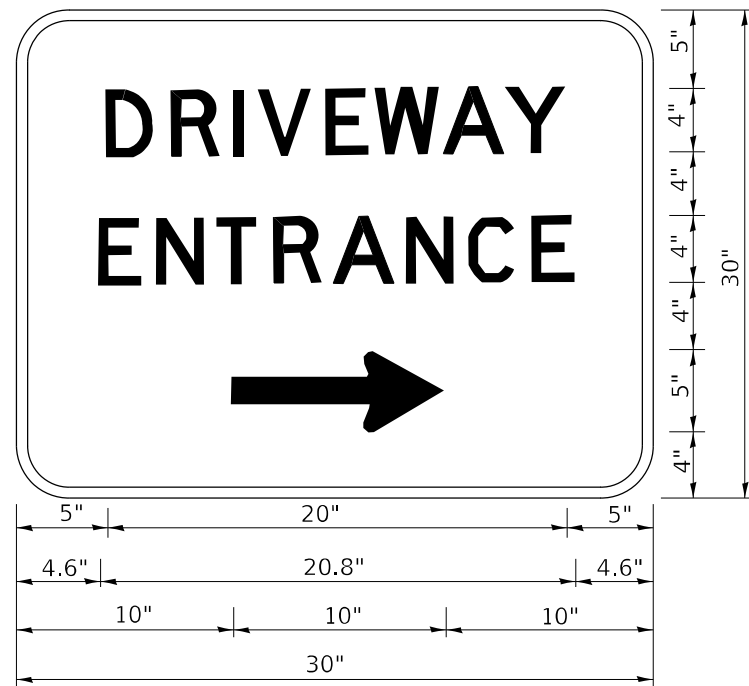
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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 12/16/2022	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	70
TC-22		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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USER NAME = Omar,Mesad	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
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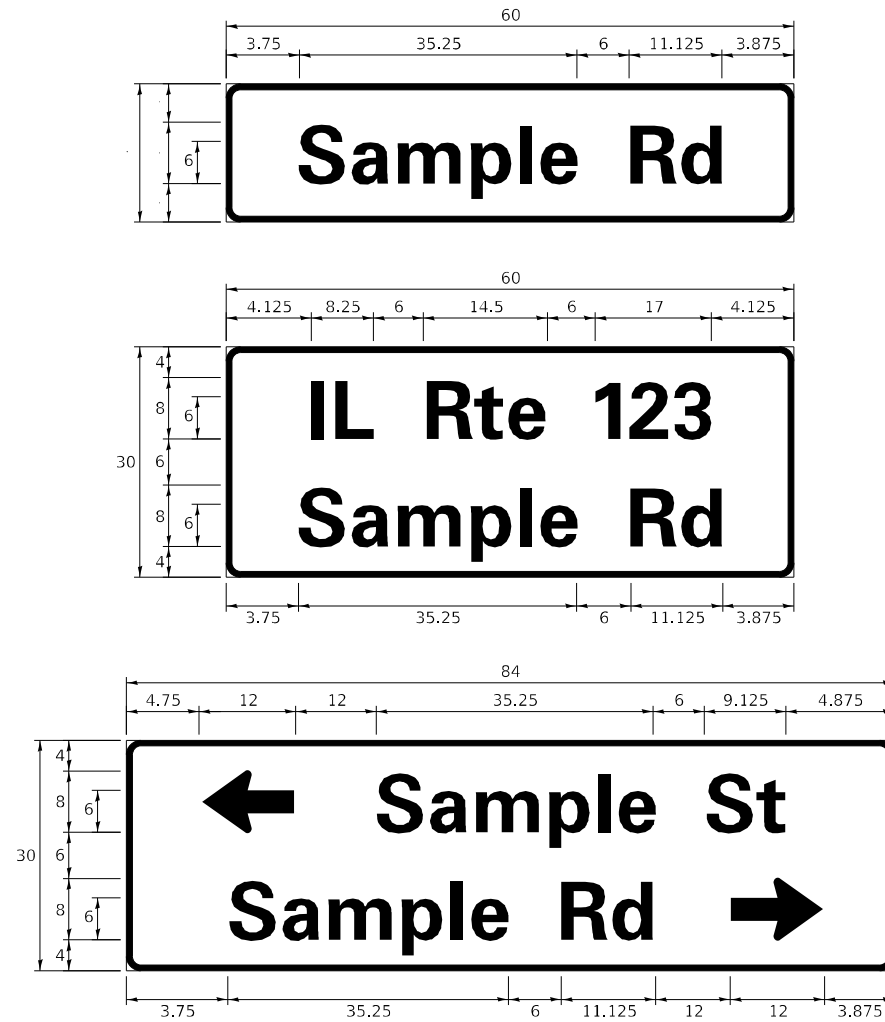
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	71
TC-26		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

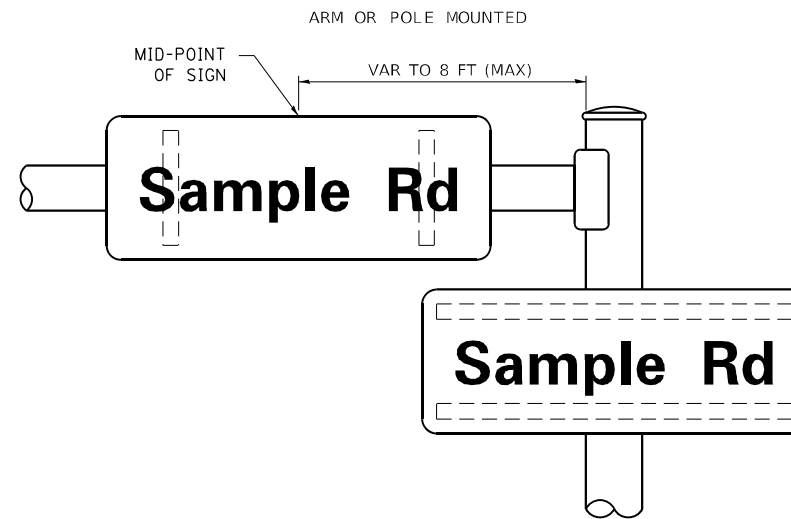
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

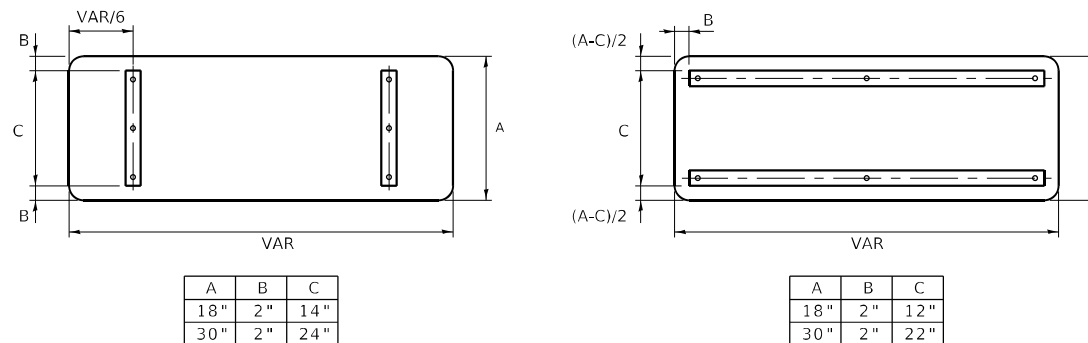
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING PART #HPN034 (UNIVERSAL)

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS**

F.A.U. RTE. 1622	SECTION 2019-130-TS&N	COUNTY COOK	TOTAL SHEETS 91	SHEET NO. 72
TS-02		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

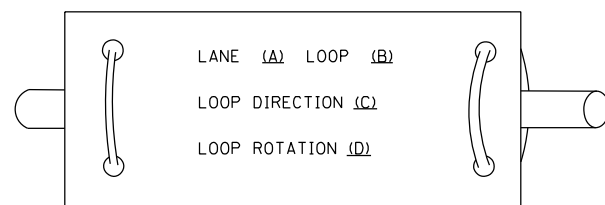
SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	73
TS-05		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				

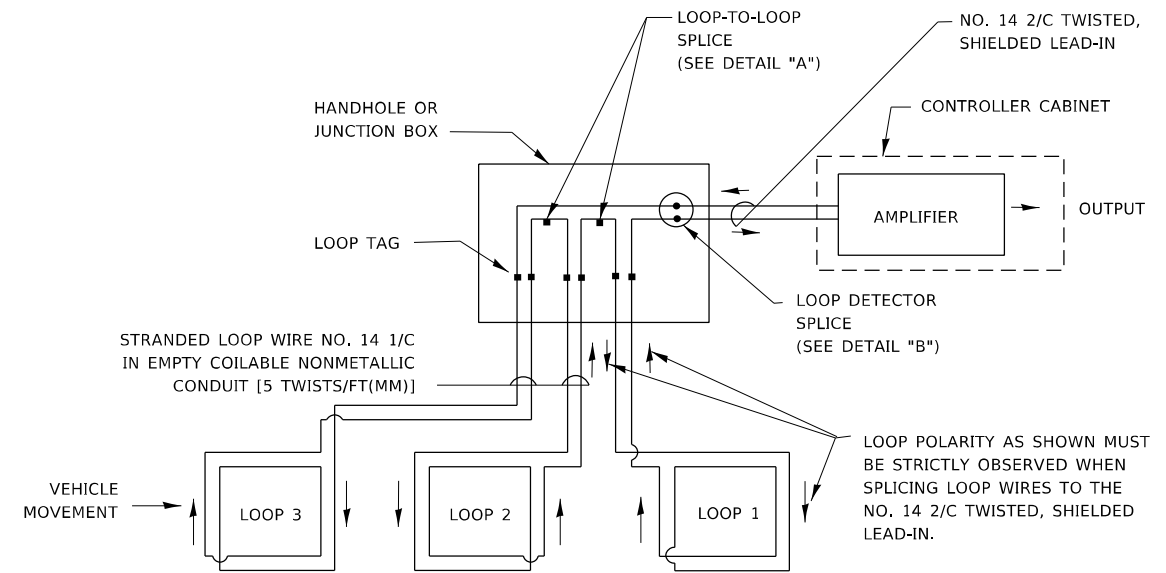
LOOP DETECTOR NOTES

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 DIVEHOLES 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

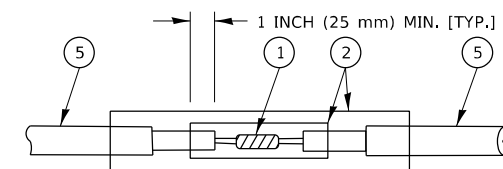


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

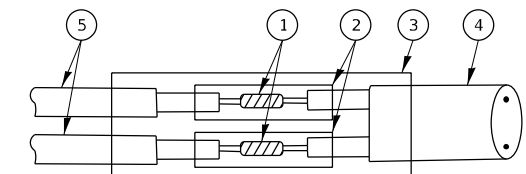


DETECTOR LOOP WIRING SCHEMATIC

- 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.

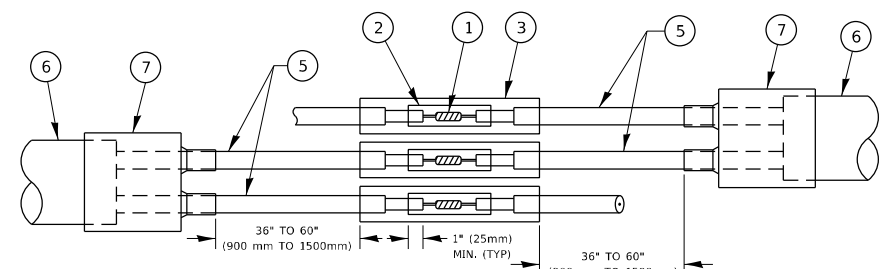


DETAIL "A"
LOOP-TO-LOOP SPLICE

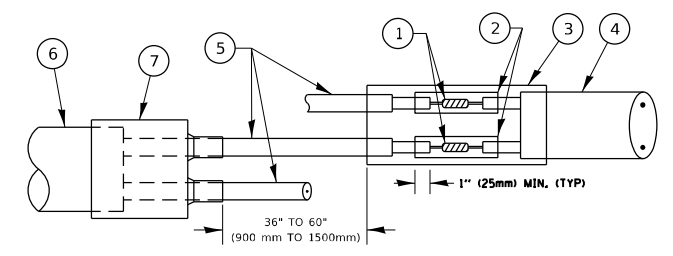


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

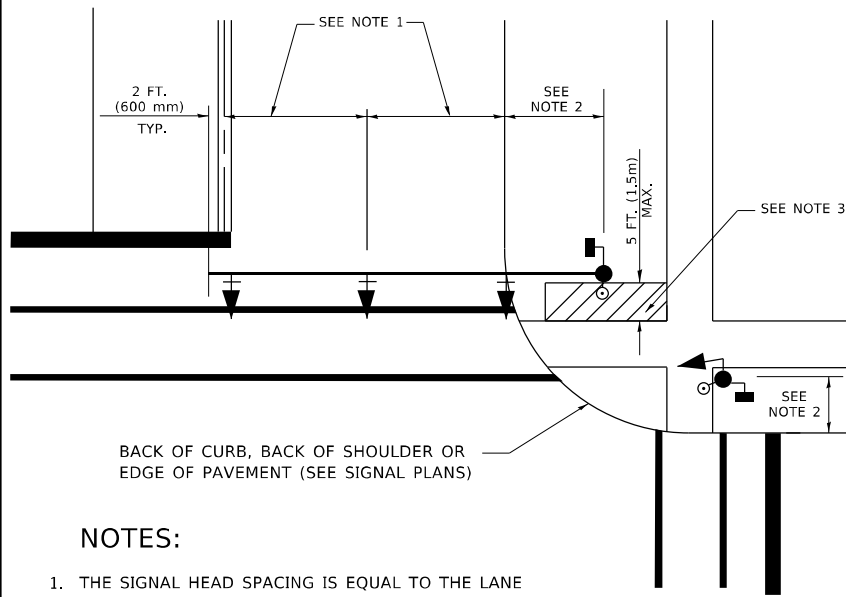
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	74
TS-05		CONTRACT NO. 62K03		
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

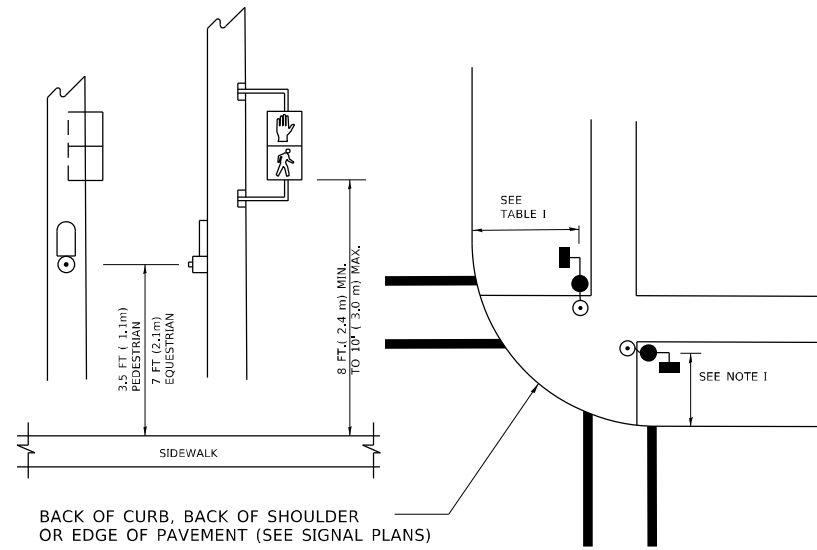
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

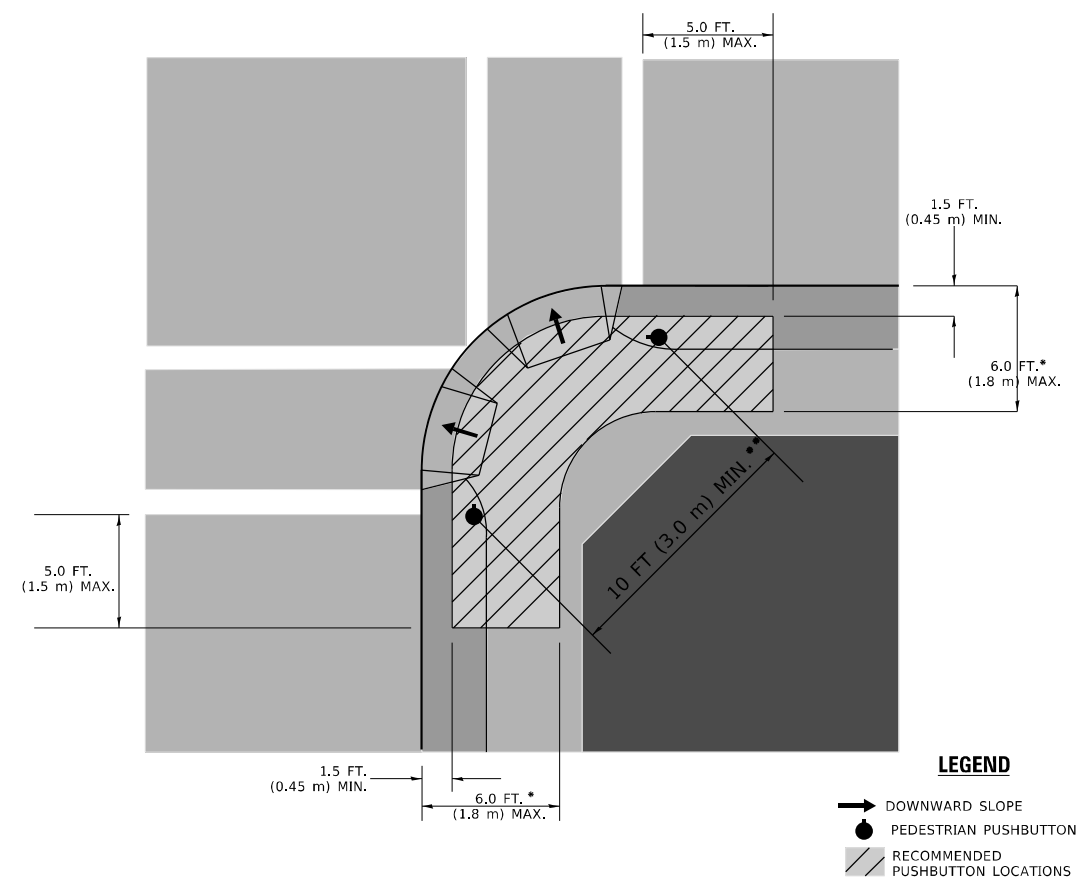
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



- * 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 (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), 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 (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

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

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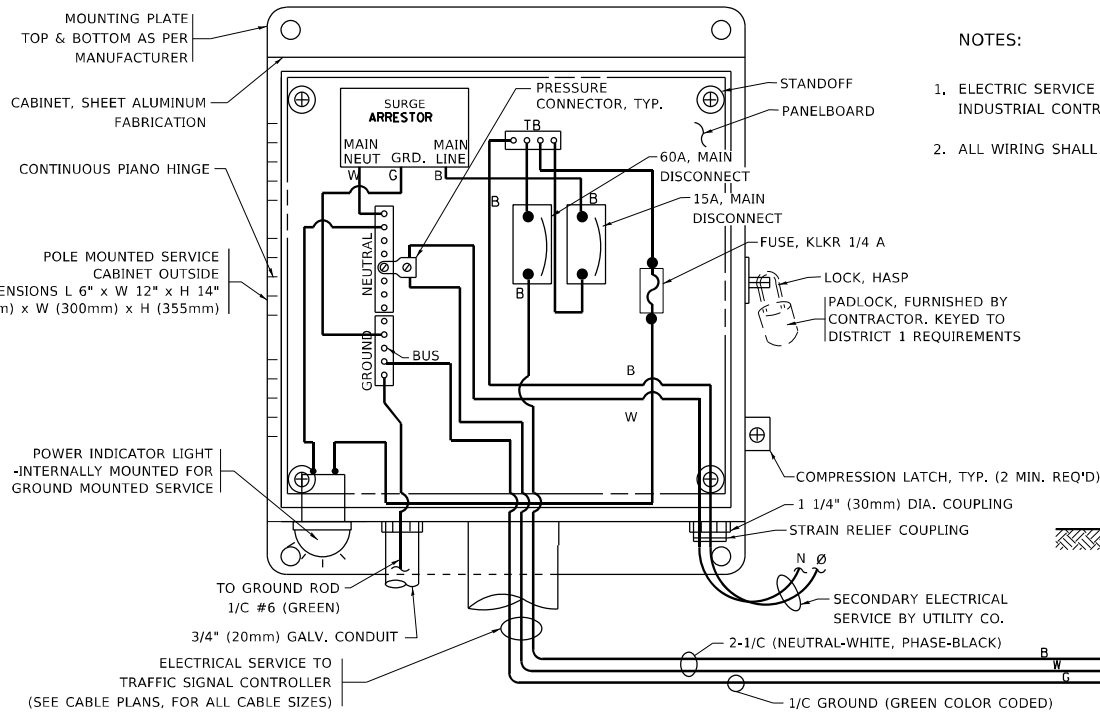
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

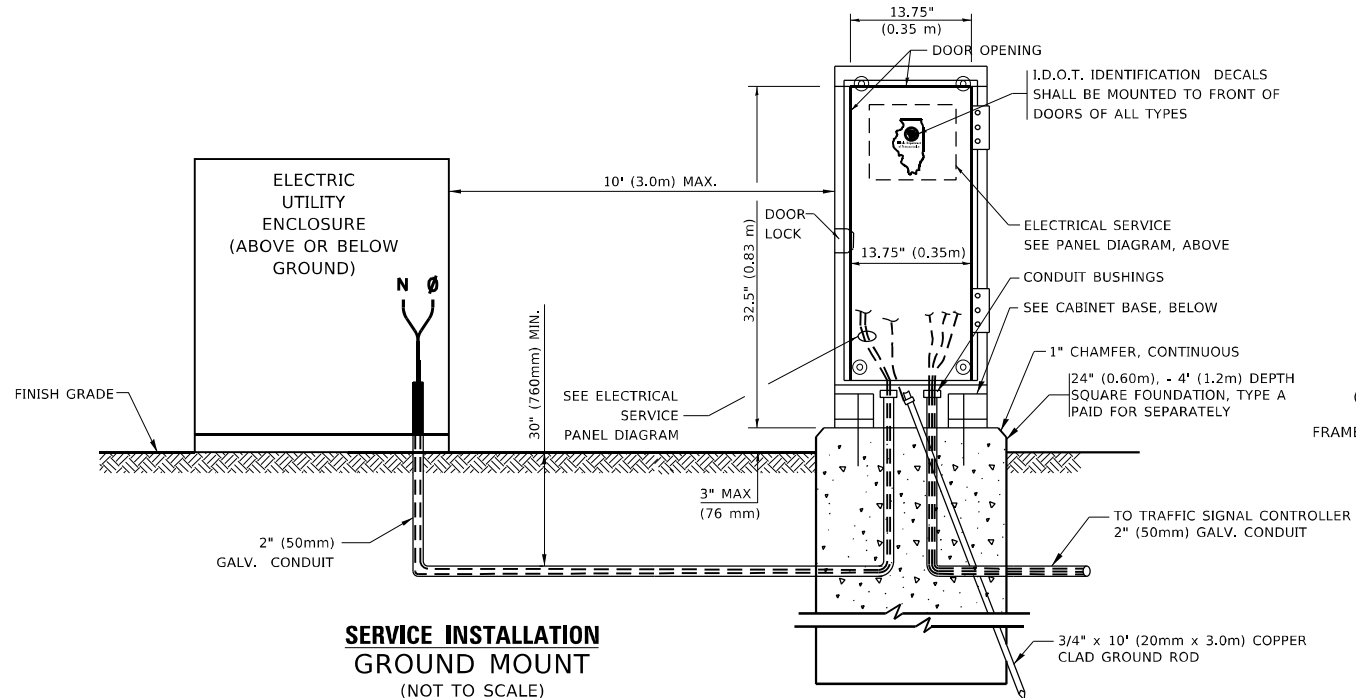
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO. 62K03	
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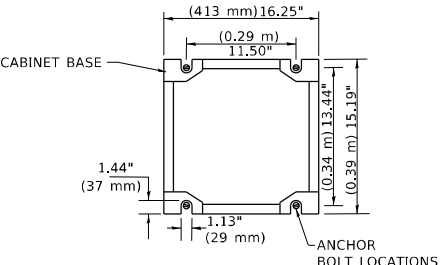


- NOTES:
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

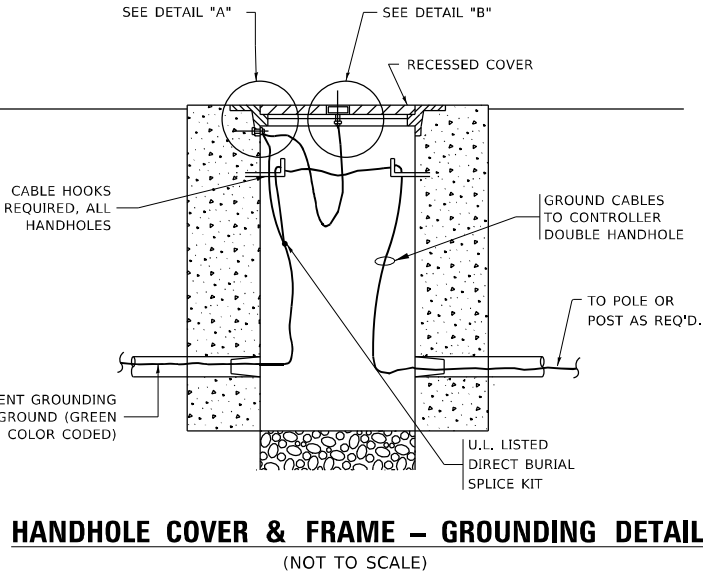
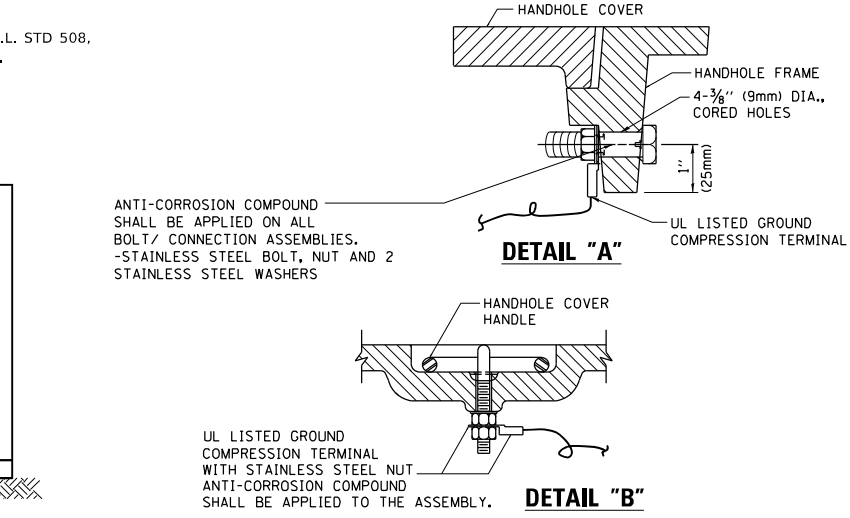
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



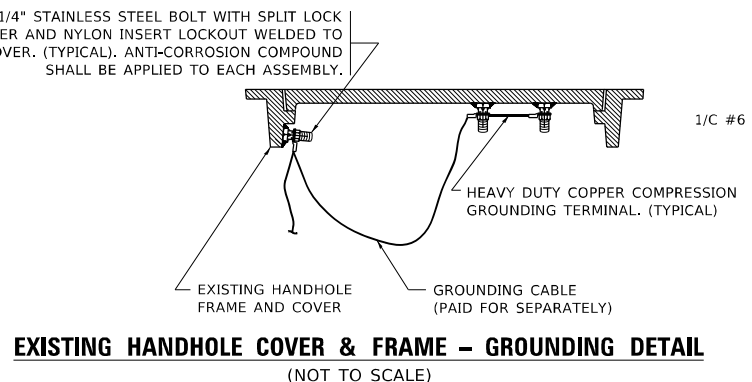
SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)



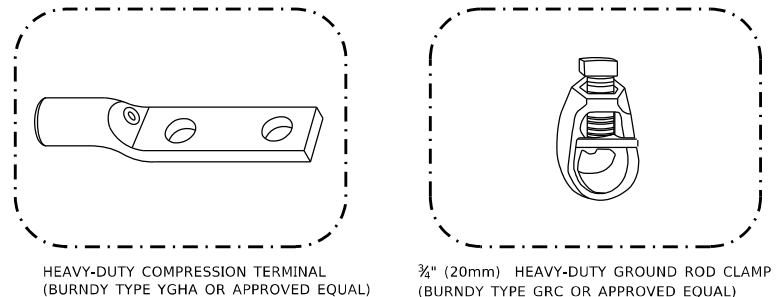
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

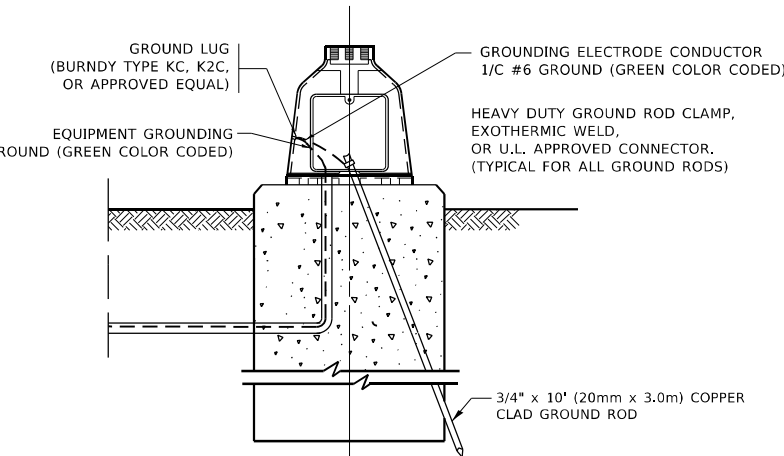


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)



HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL) 3/8" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

- 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.



MAST ARM POLE /POST-GROUNDING DETAIL
 (NOT TO SCALE)

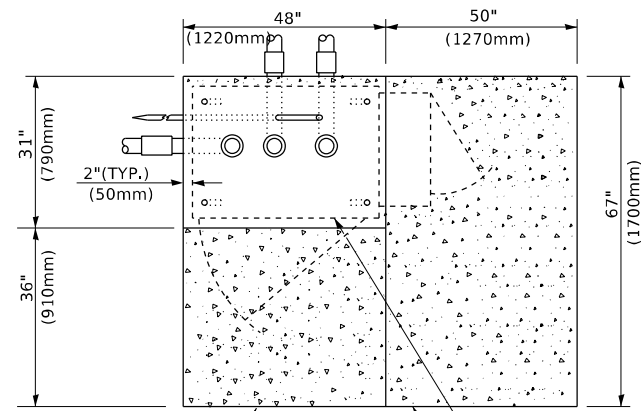
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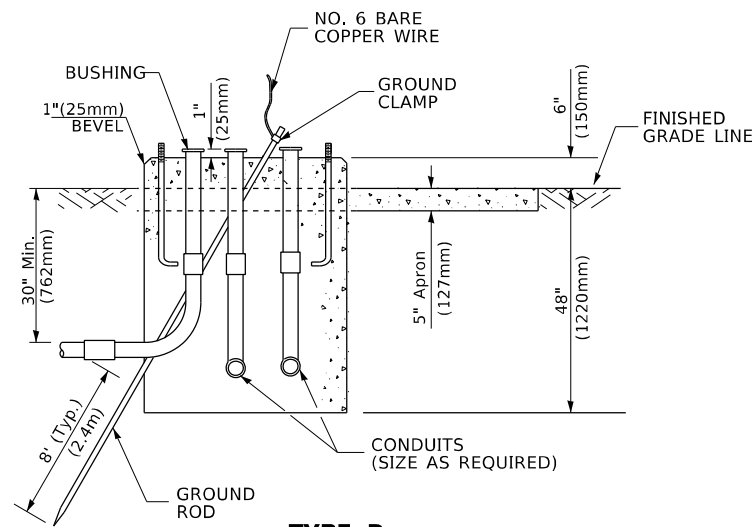
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
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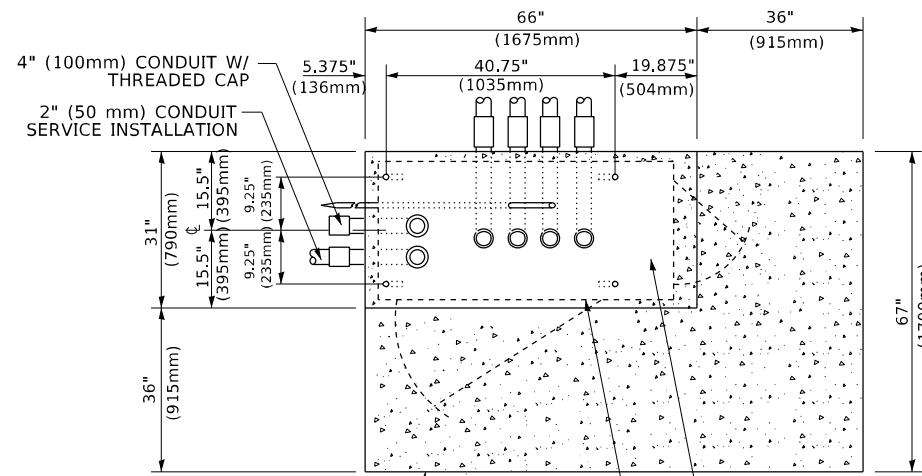
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TS-05		CONTRACT NO. 62K03		
ILLINOIS		FED. AID PROJECT		



TOP VIEW

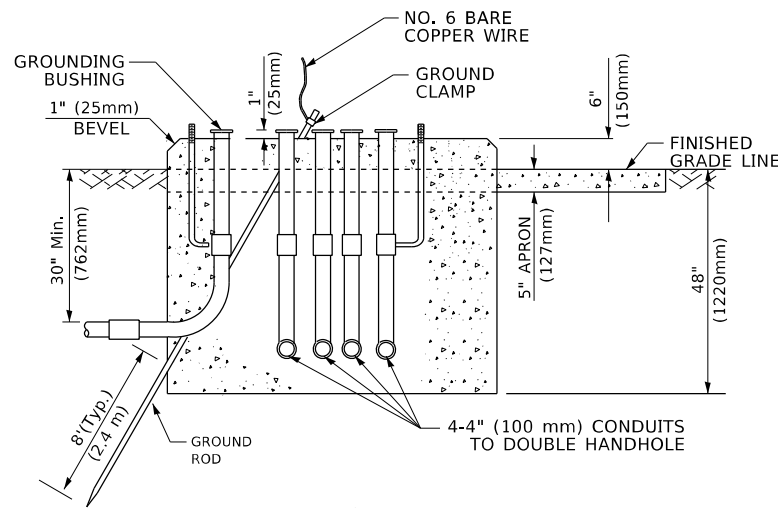


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

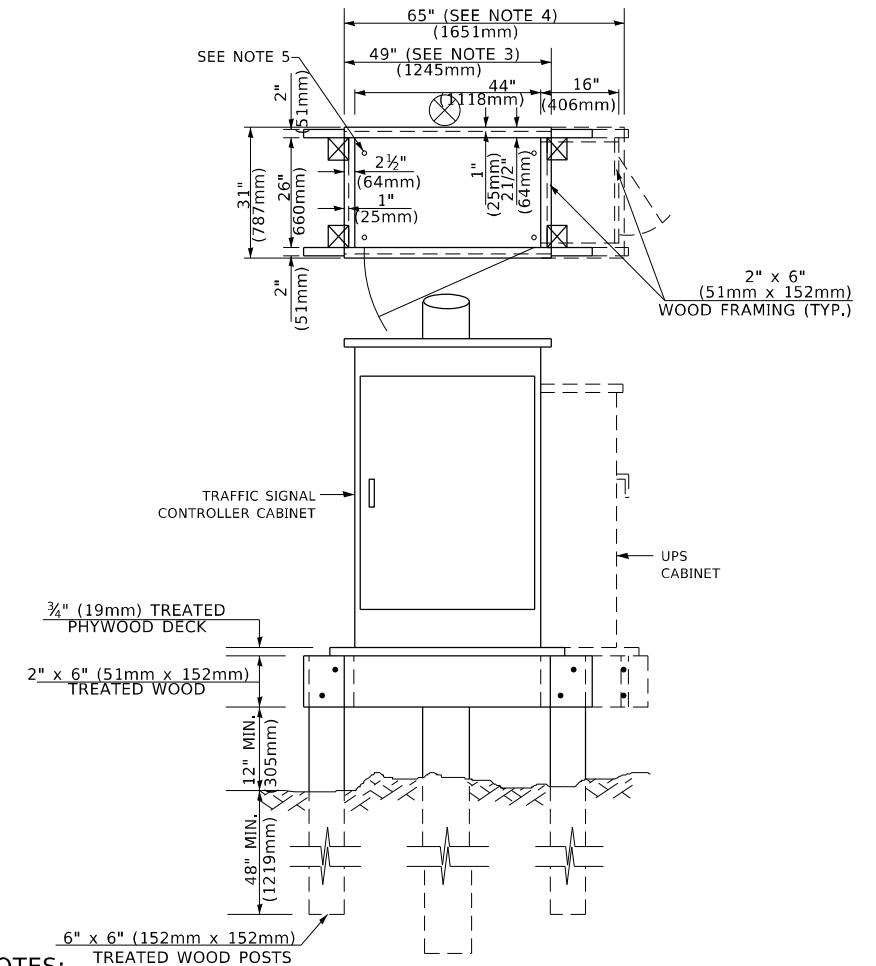


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL
BE HIGHER THAN TOP OF
DOUBLE HANDHOLE



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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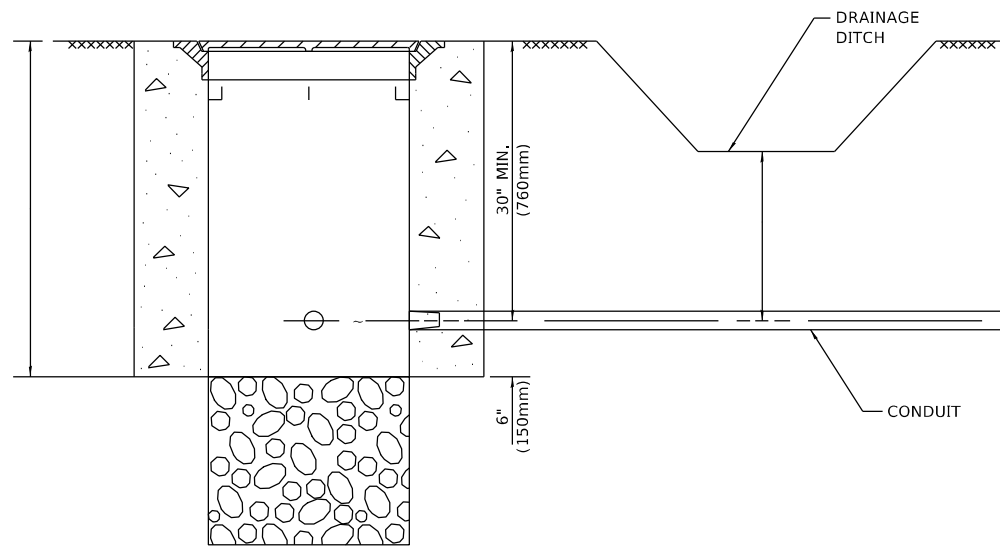
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

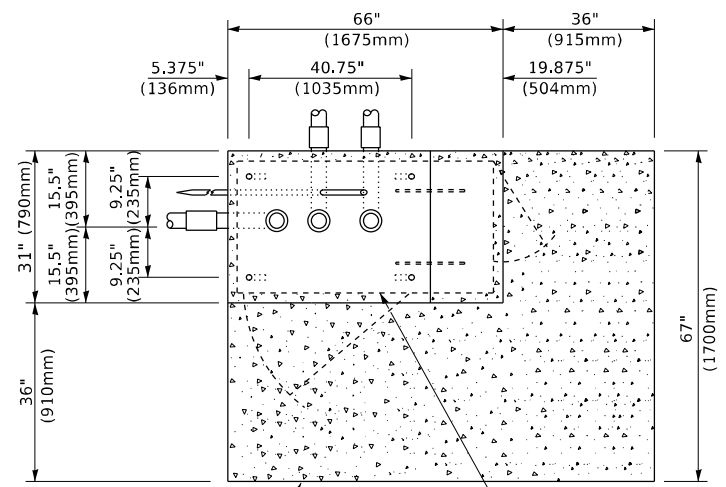
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TS-05		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				



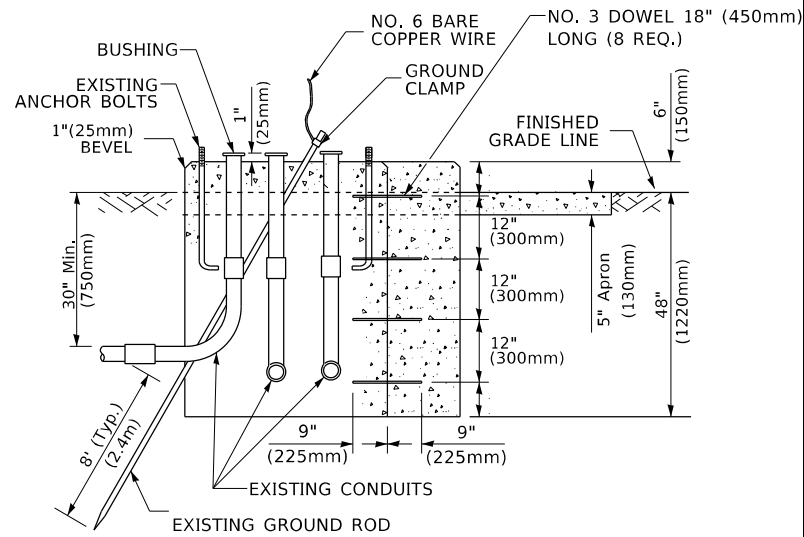
NOTES:

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

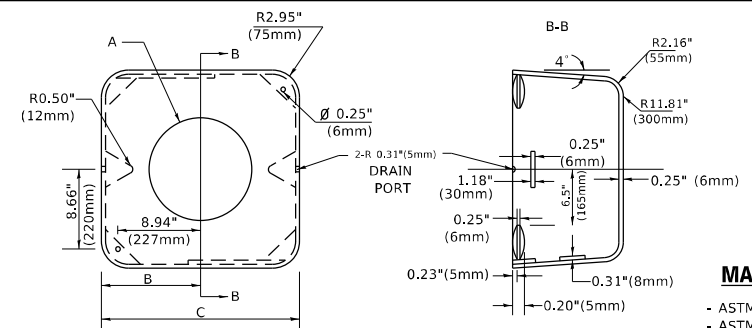
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



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



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

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

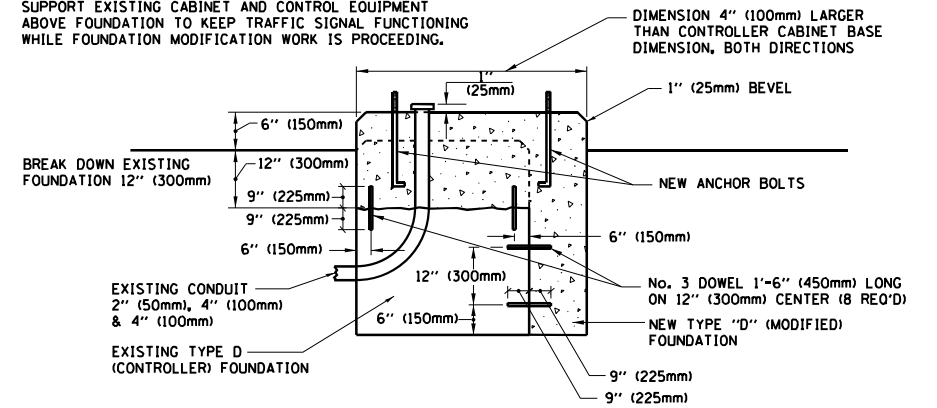
SHROUD

NOTES:

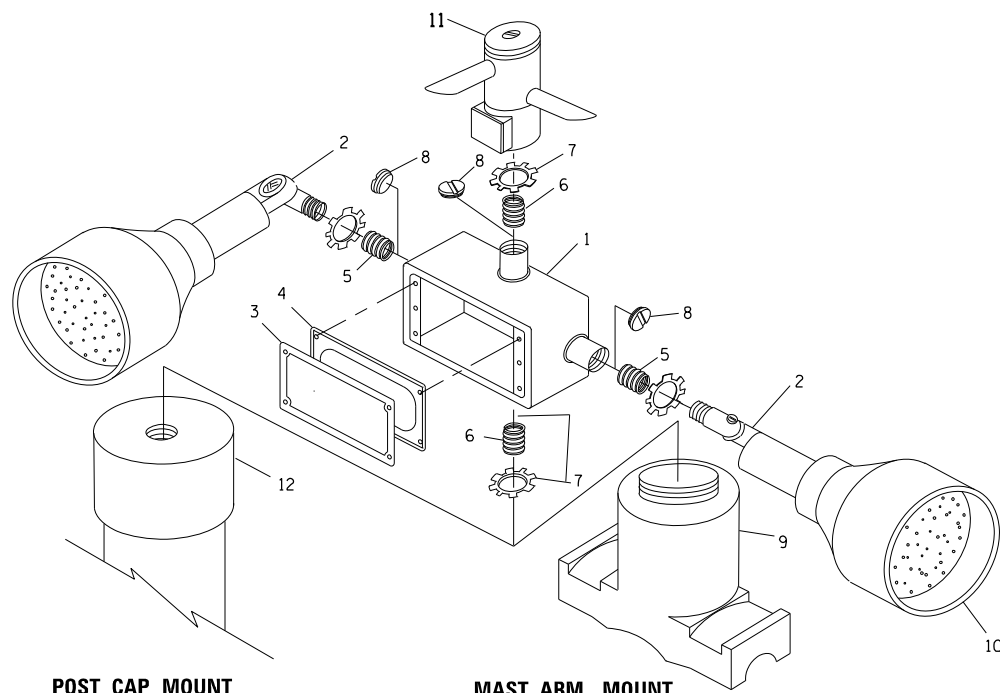
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION

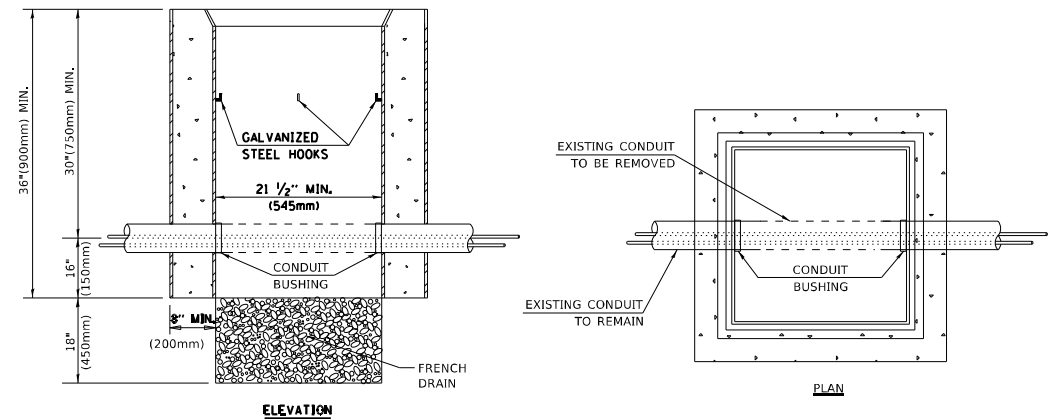


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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.



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

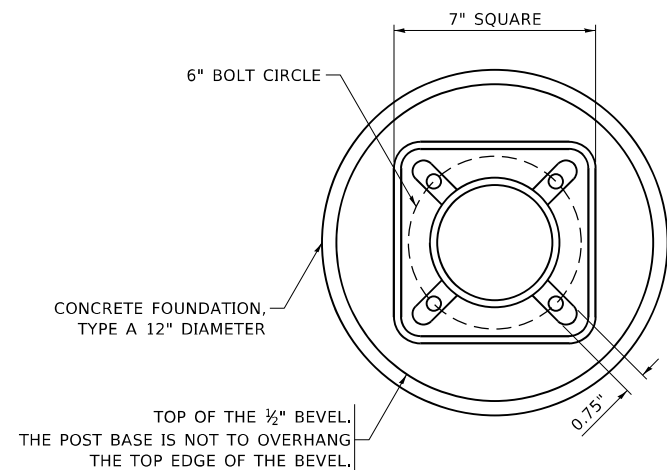
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1622	2019-130-TS&N	COOK	91	78

TS-05 CONTRACT NO. 62K03

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

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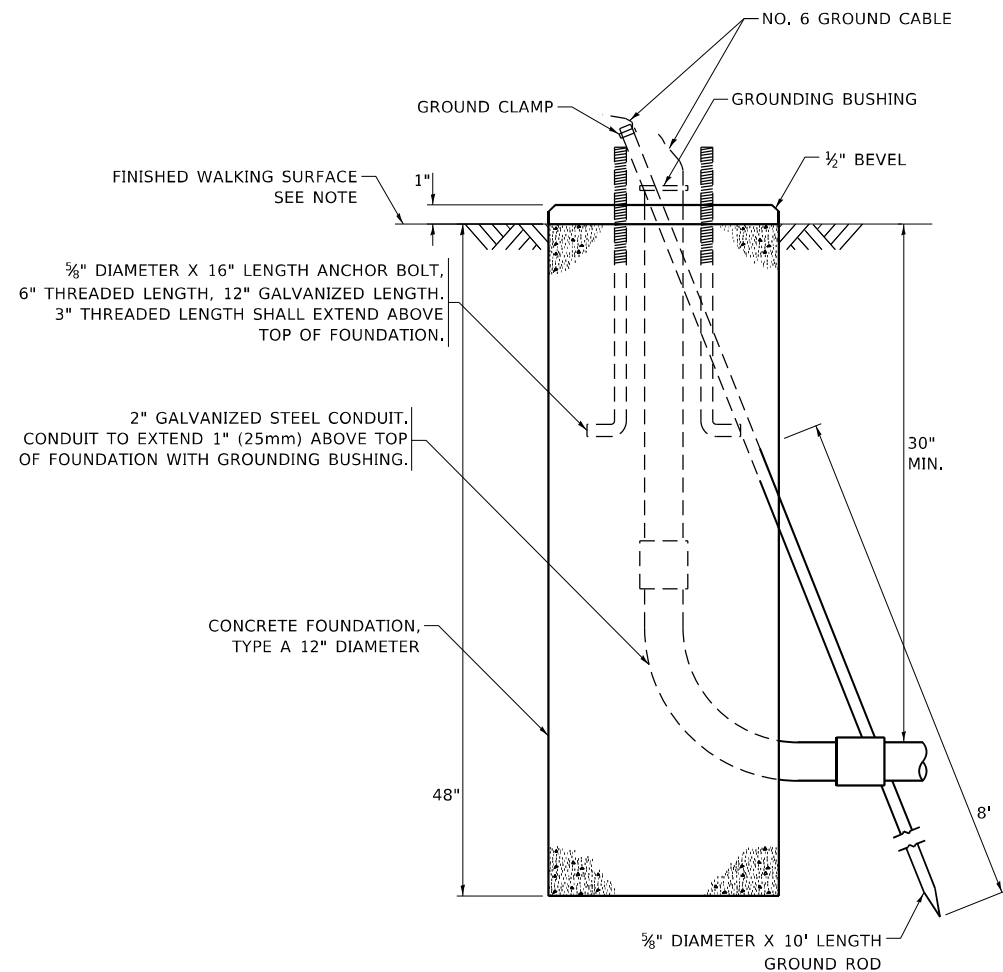
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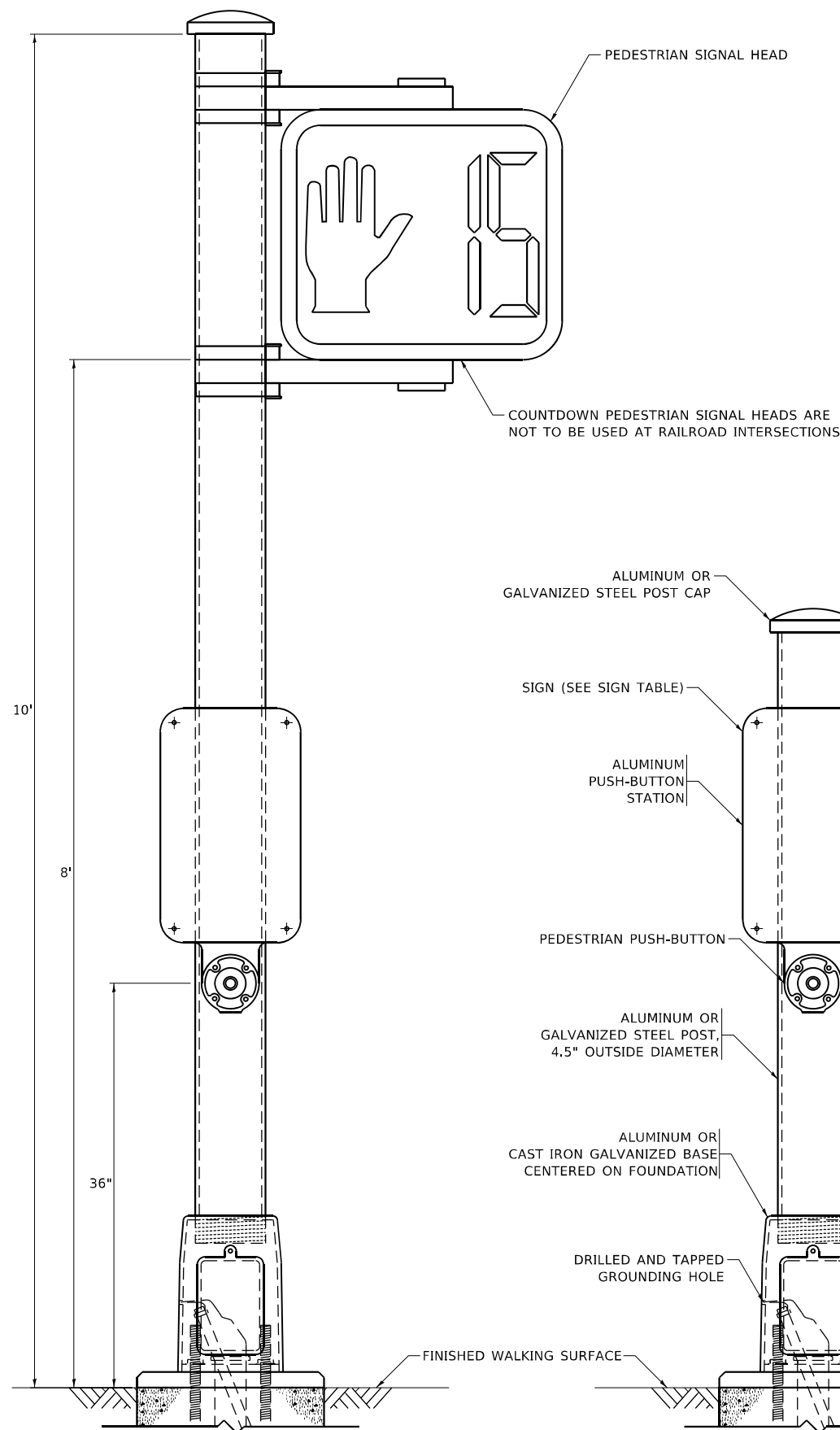
BOLT PATTERN

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.

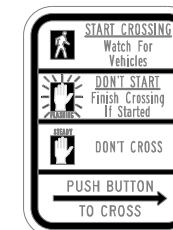


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER

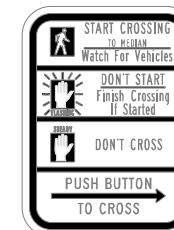


PEDESTRIAN SIGNAL POST, 10 FT.

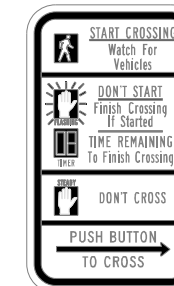
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

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.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

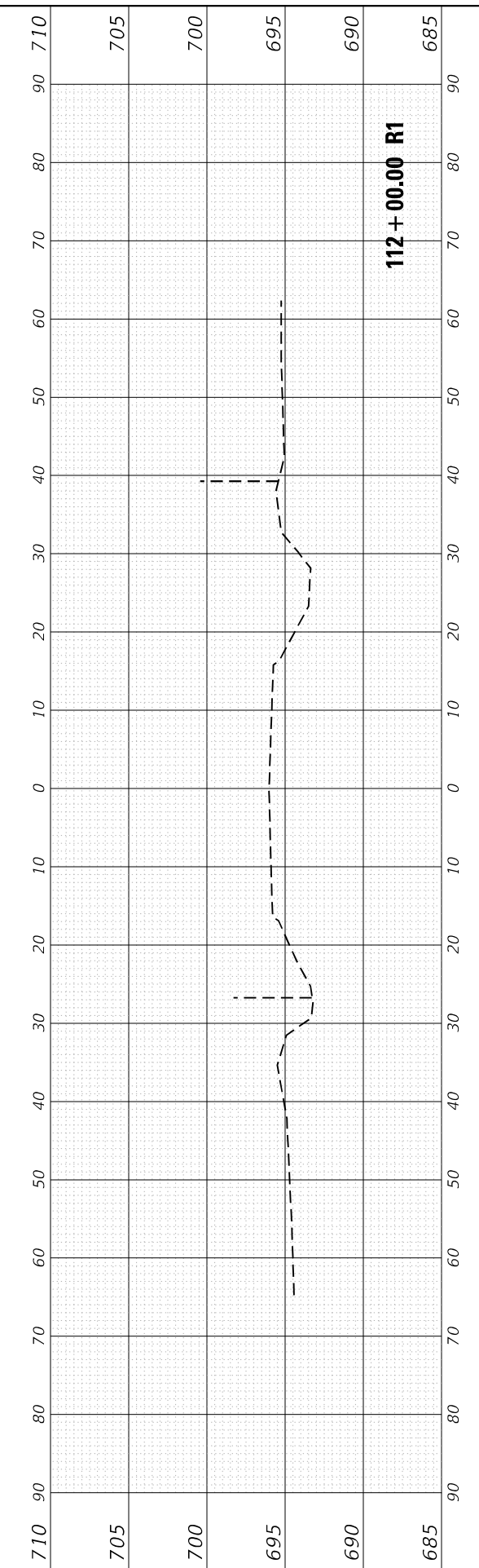
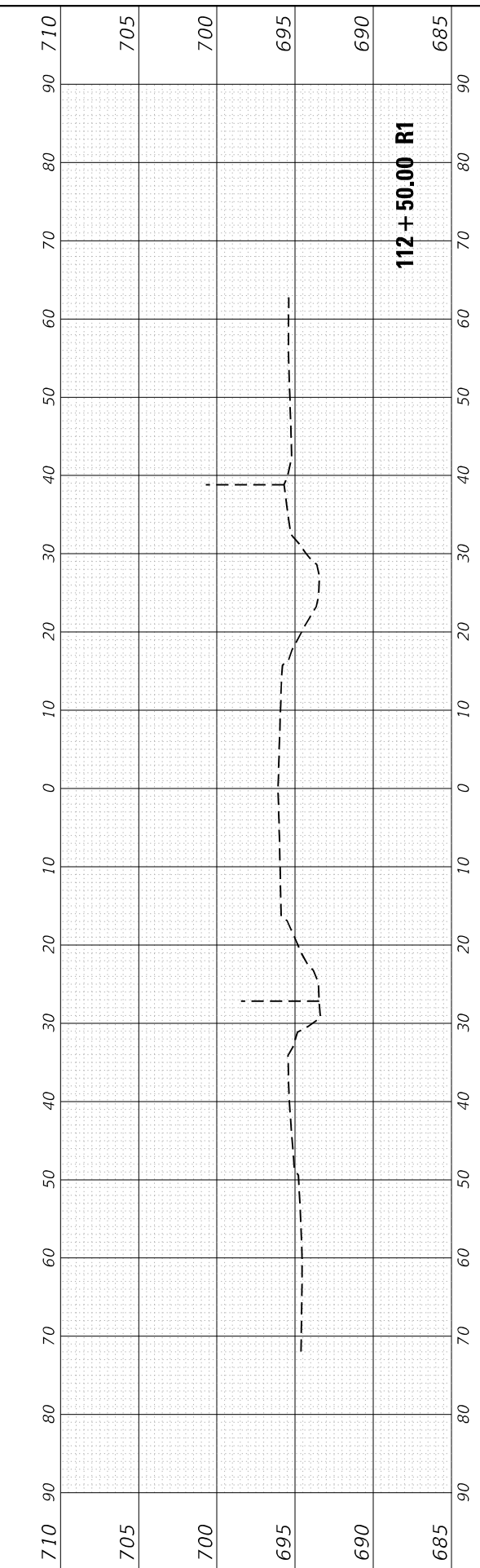
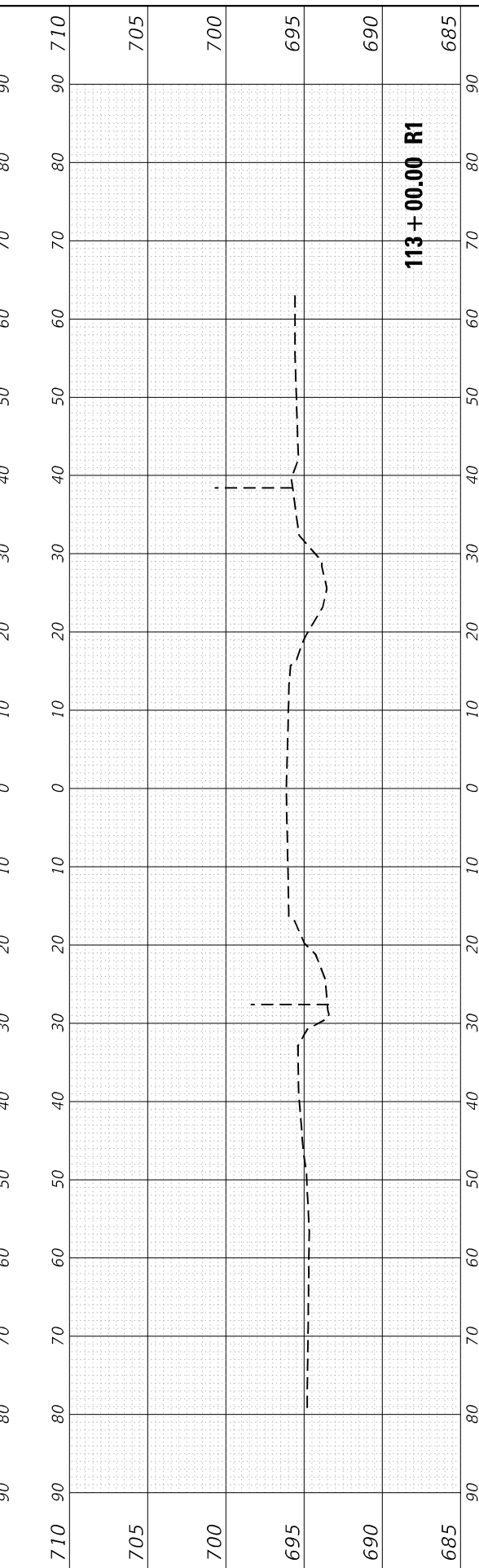
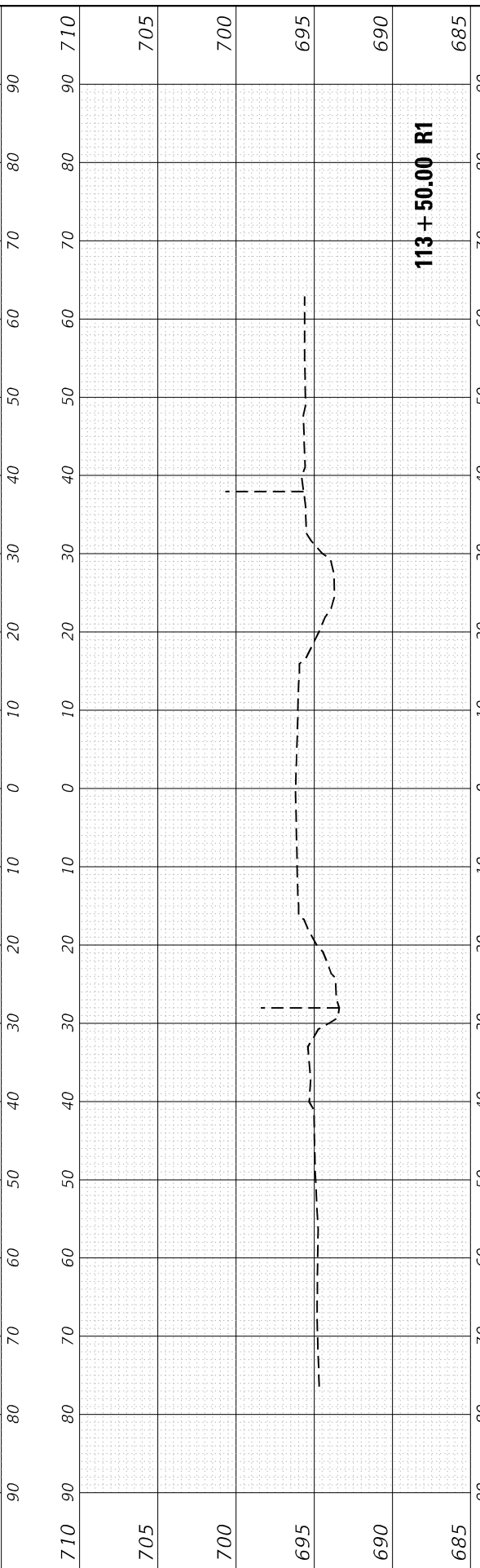
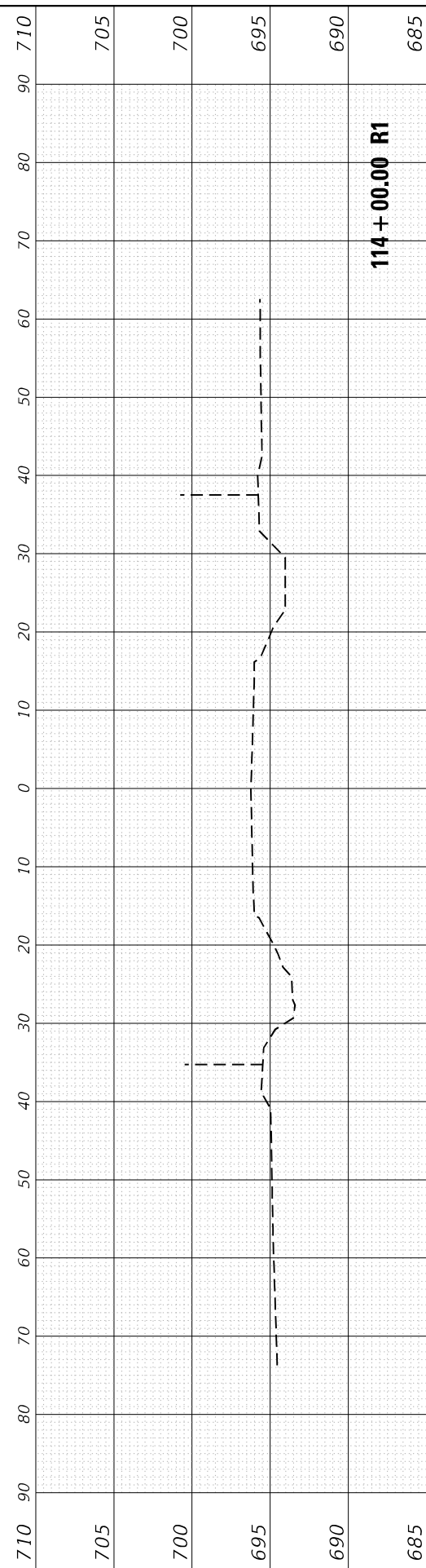
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	79
TS-05		CONTRACT NO. 62K03		
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

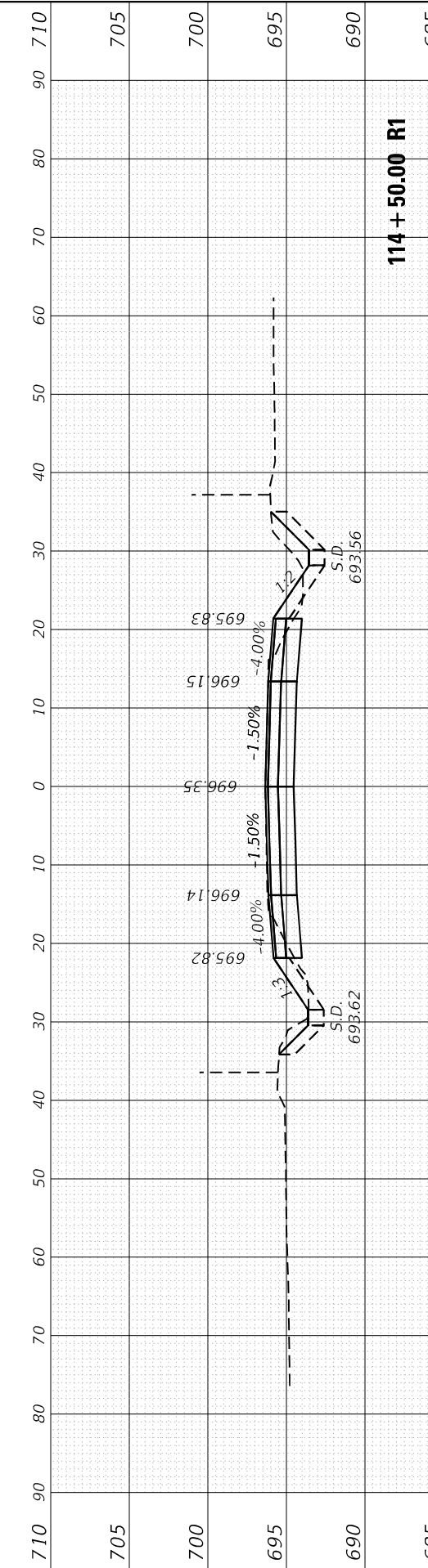
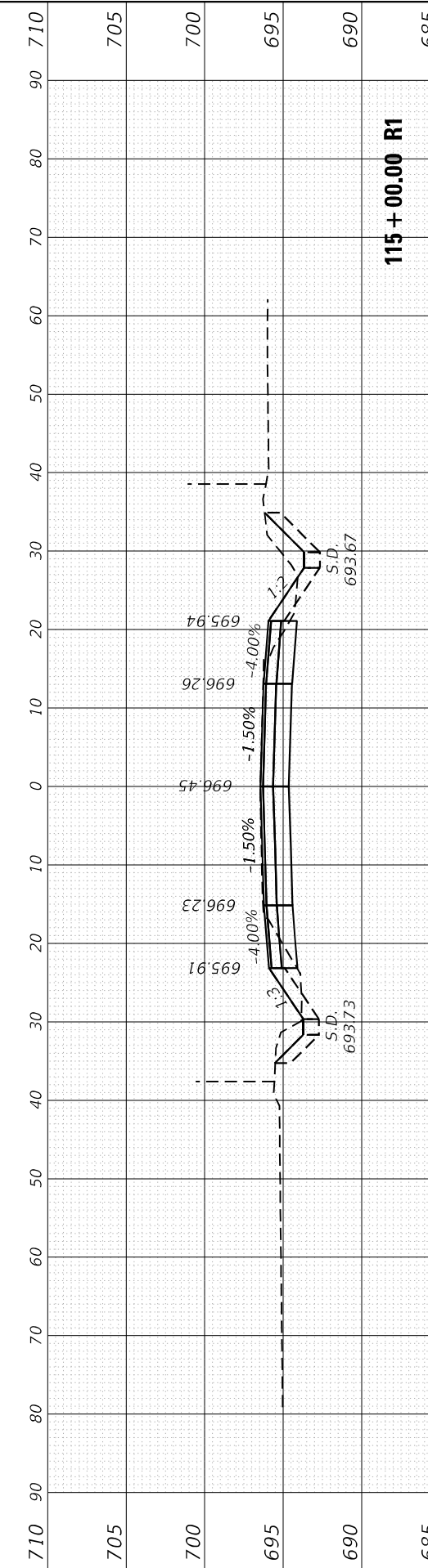
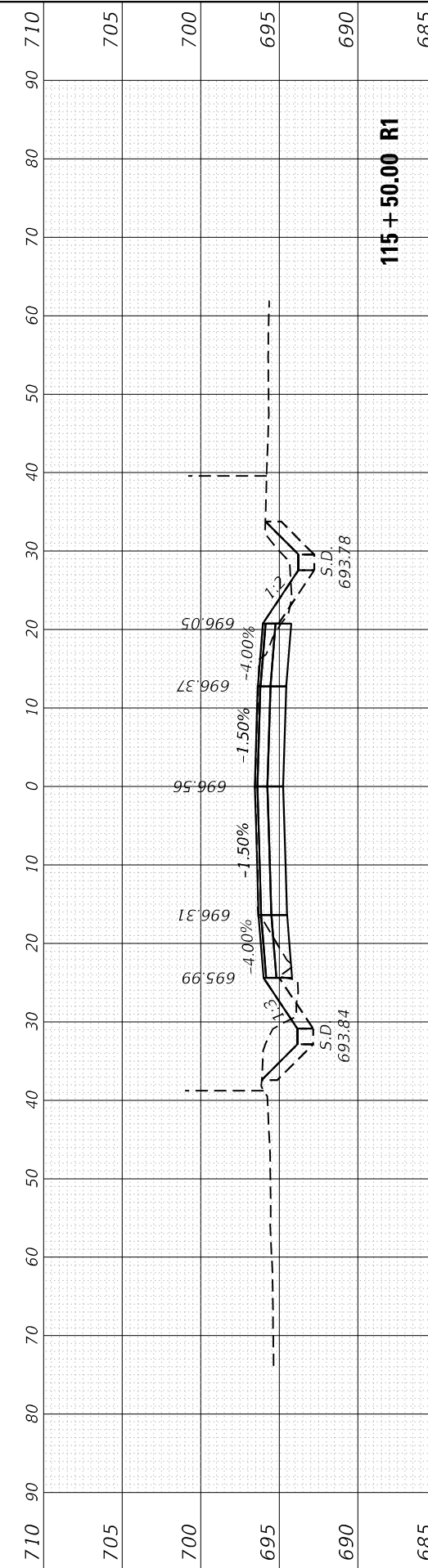
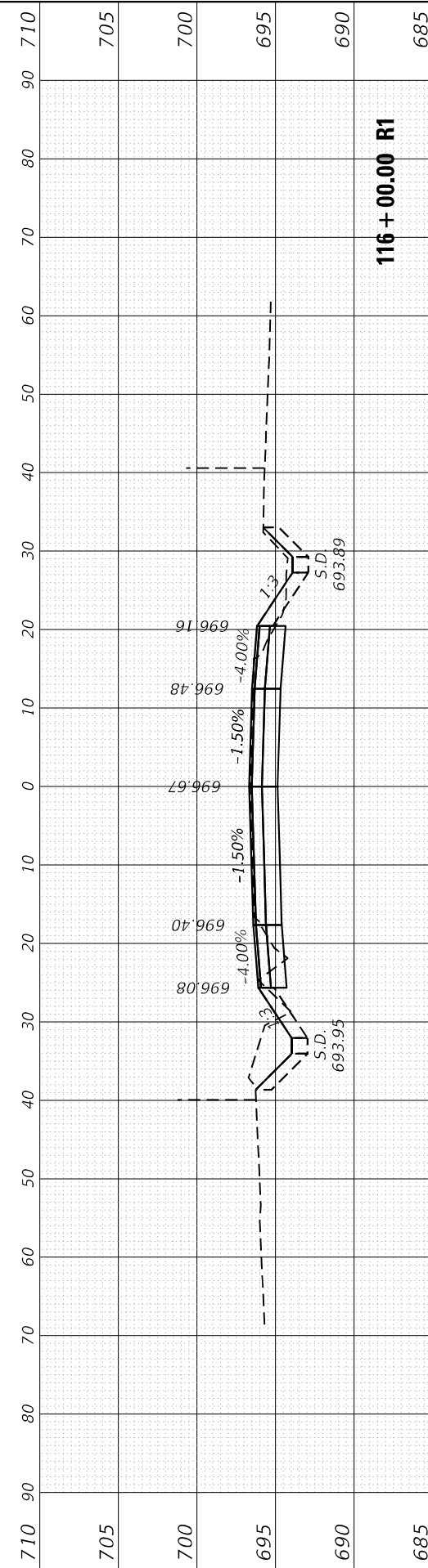
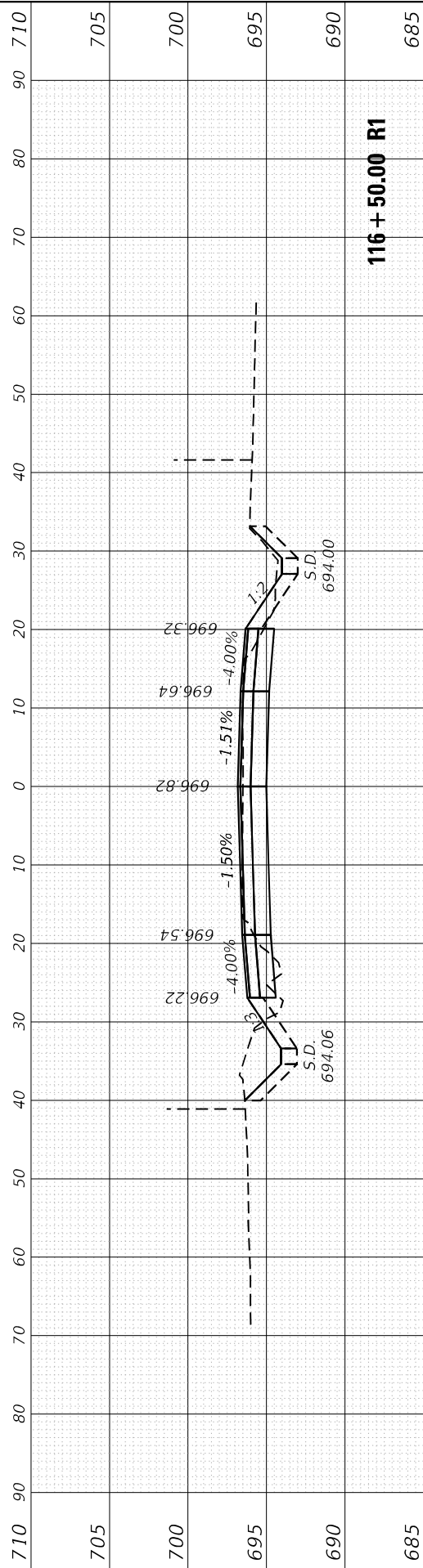
CROSS SECTIONS	
183rd ST. AT CENTRAL AVE.	
SCALE:	SHEET OF SHEETS STA. 112+00.00 R1 TO STA. 114+00.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	80
CONTRACT NO. 62K03			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = Omar,Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0012' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
183rd ST. AT CENTRAL AVE.**

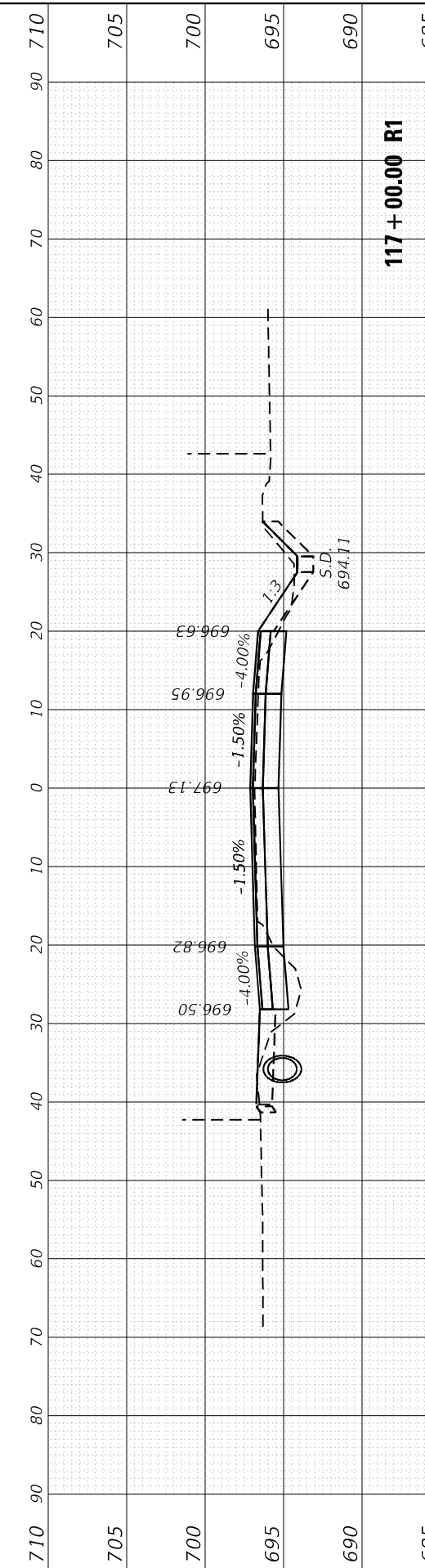
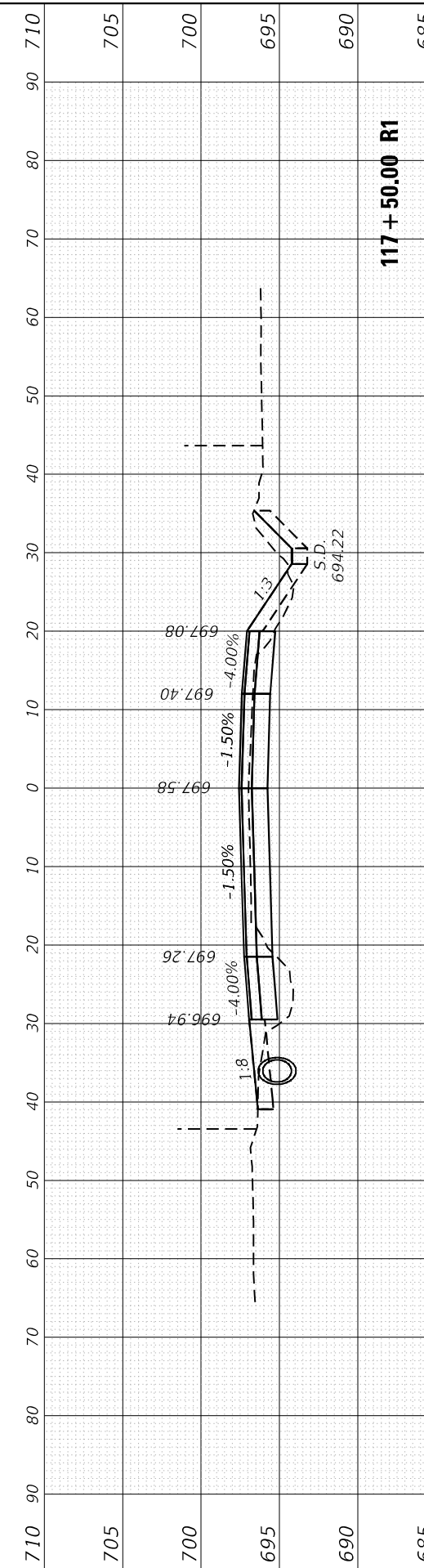
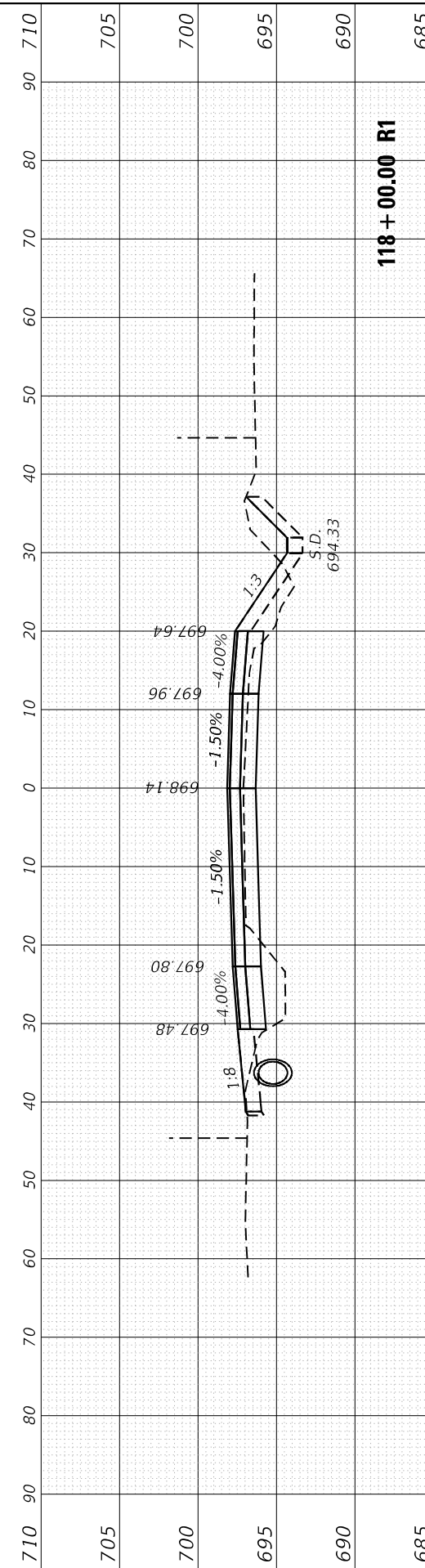
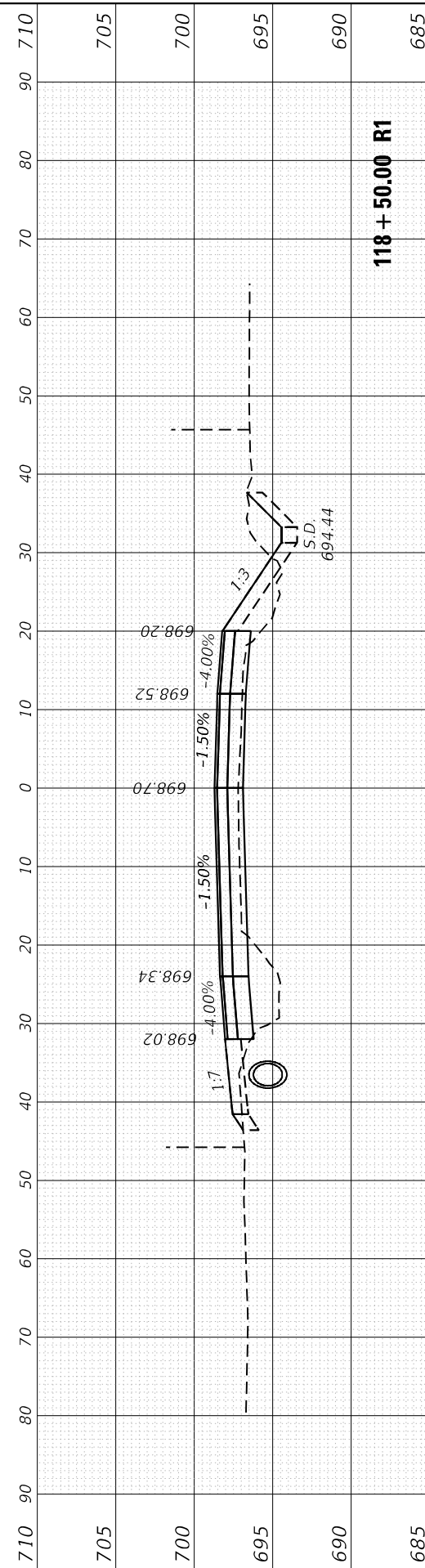
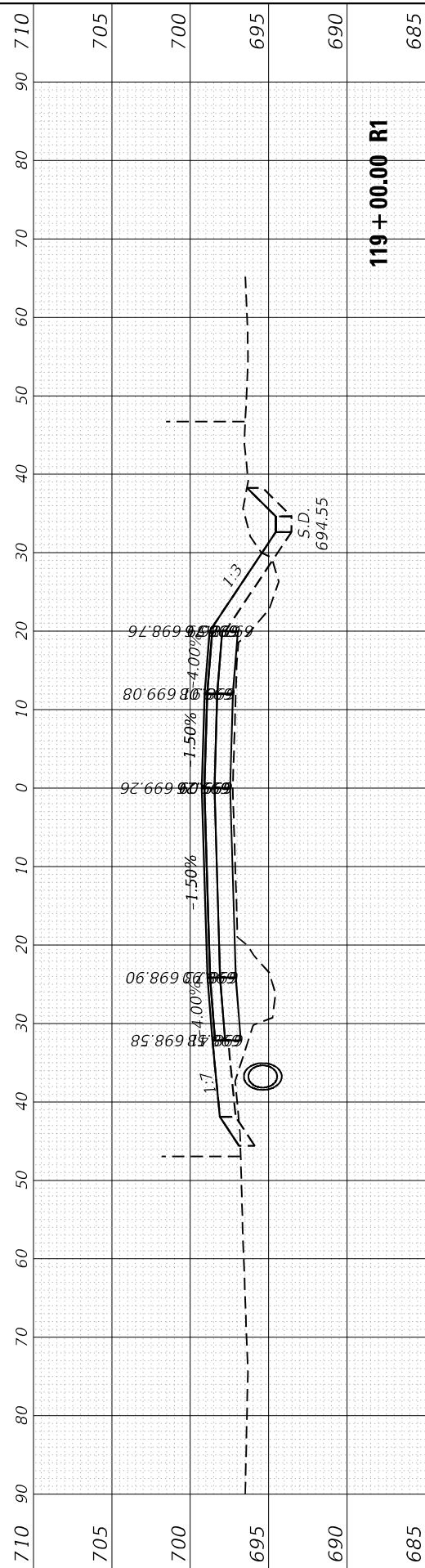
SCALE: SHEET OF SHEETS STA. 114+50.00 R1 TO STA. 116+50.00 R1

F.A.U. RTE. 1622	SECTION 2019-130-TS&N	COUNTY COOK	TOTAL SHEETS 91	SHEET NO. 81
CONTRACT NO. 62K03			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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USER NAME	= Omar,Mesad
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISD	-
REVISD	-
REVISD	-
REVISD	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

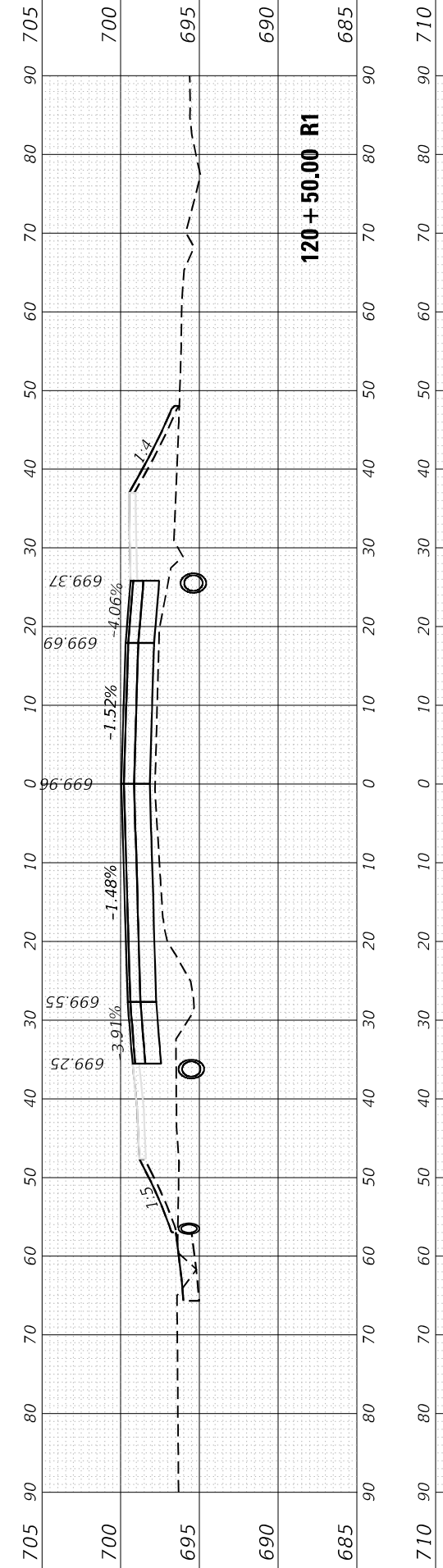
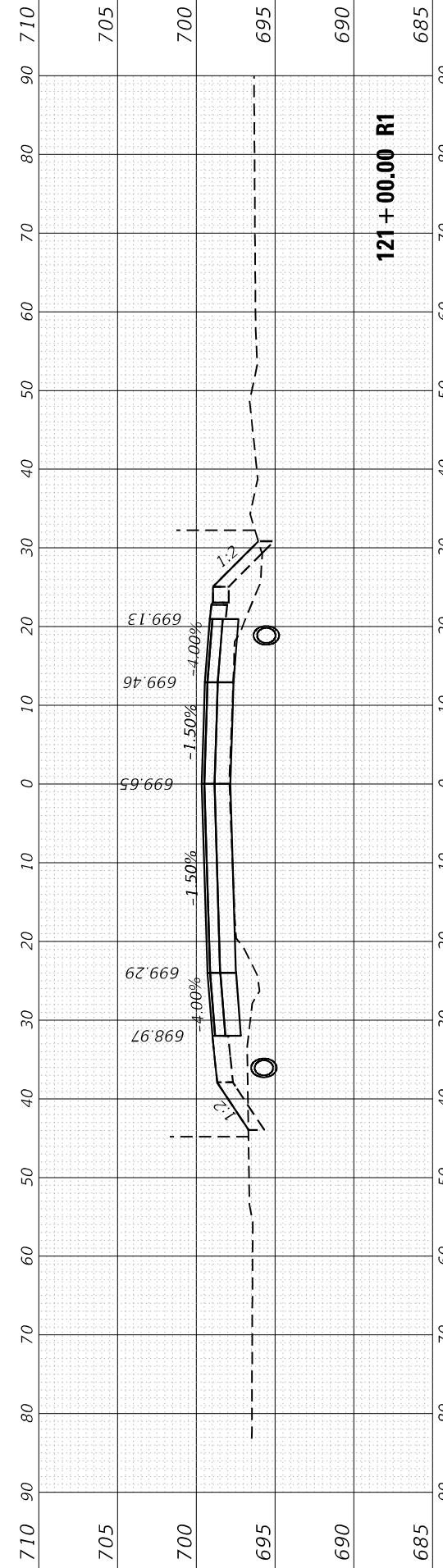
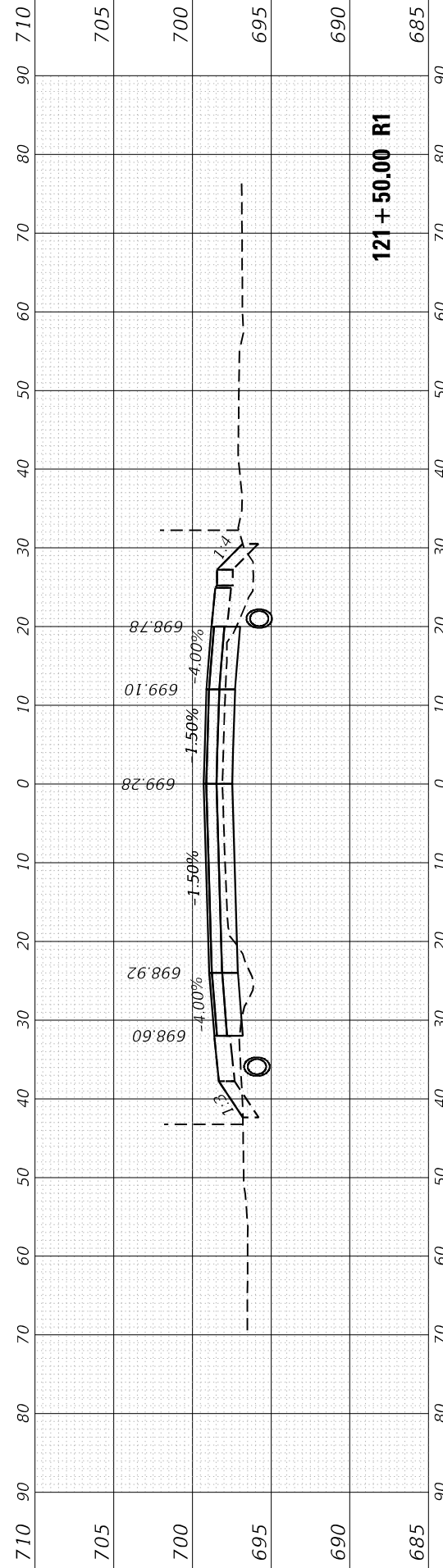
CROSS SECTIONS
183rd ST. AT CENTRAL AVE.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	82
				CONTRACT NO. 62K03
SCALE:		SHEET OF SHEETS		STA. 117+00.00 R1 TO STA. 119+00.00 R1
		ILLINOIS		FED. AID PROJECT

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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USER NAME = Omar,Mesad	DESIGNED -
	DRAWN -
PLOT SCALE = 20,0012' / in.	CHECKED -
PLOT DATE = 12/16/2022	DATE -

REVISIONS	REVISIONS
REVISIONS	REVISIONS
REVISIONS	REVISIONS
REVISIONS	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 119+50.00 R1 TO STA. 121+50.00 R1
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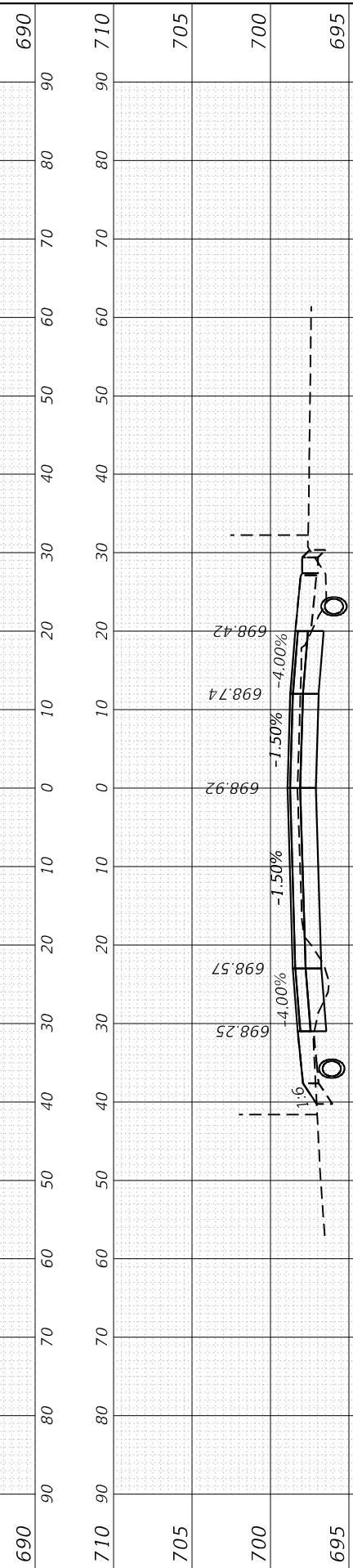
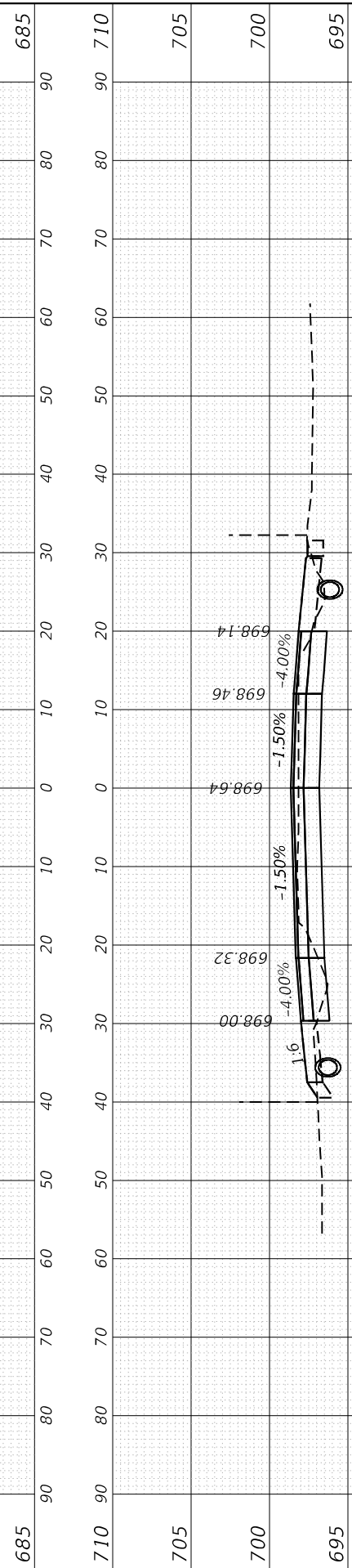
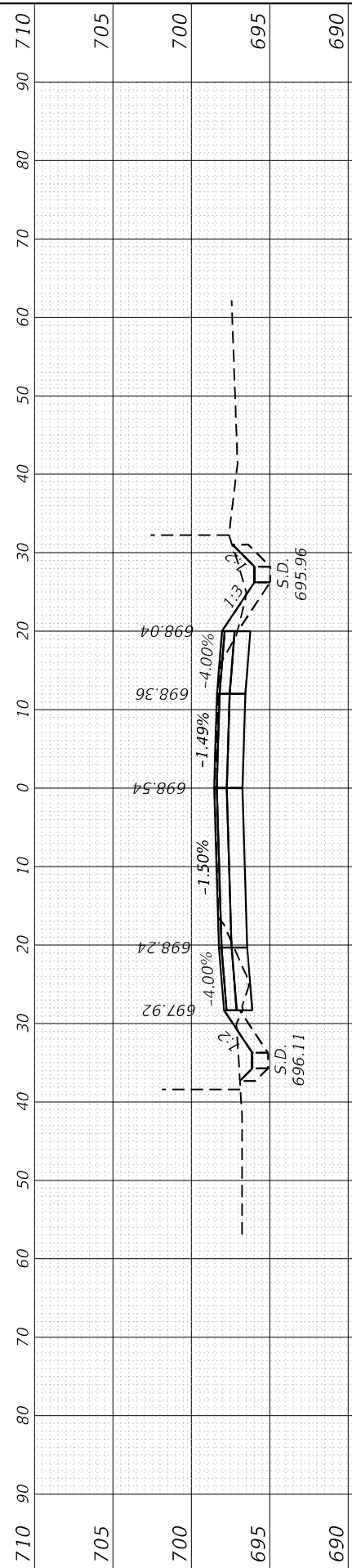
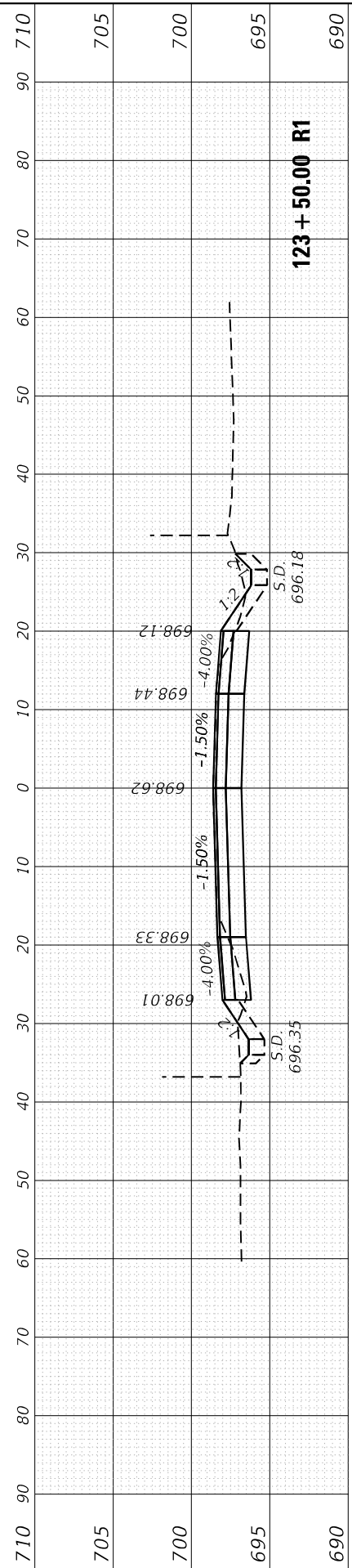
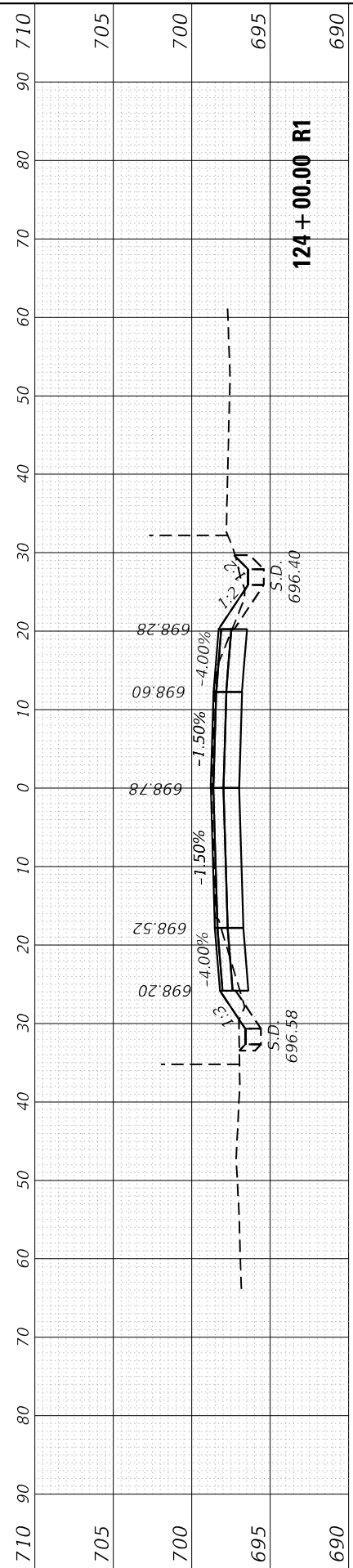
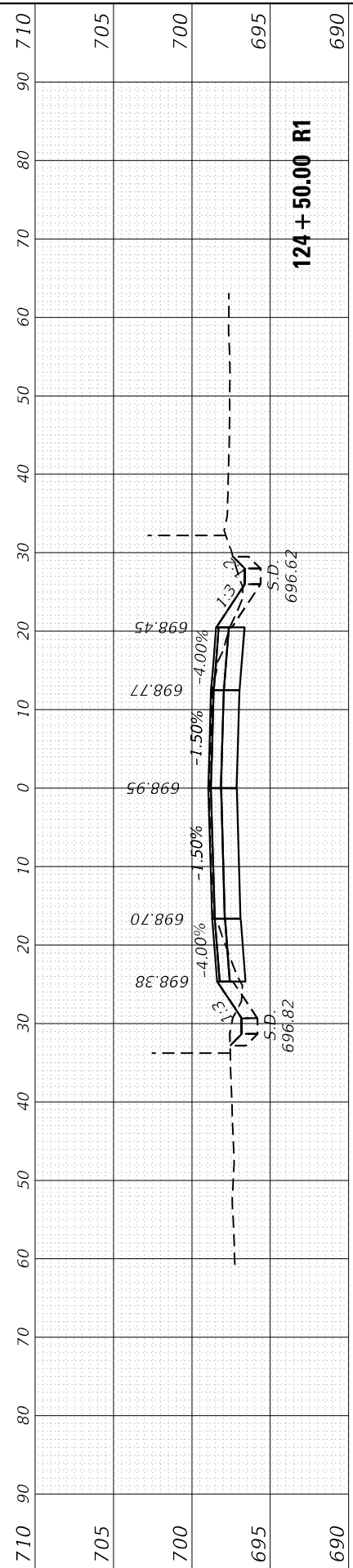
**CROSS SECTIONS
183rd ST. AT CENTRAL AVE.**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	83
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K03	

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

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

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USER NAME = Omar,Mesad	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 20,0012' / in.	CHECKED -	REVISD -
PLOT DATE = 12/16/2022	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 122+00.00 R1 TO STA. 124+50.00 R1
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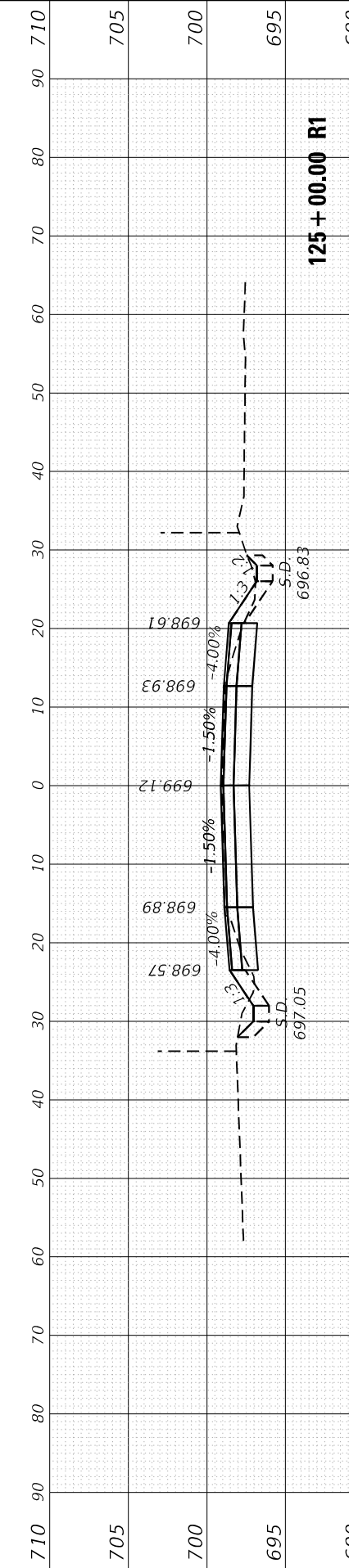
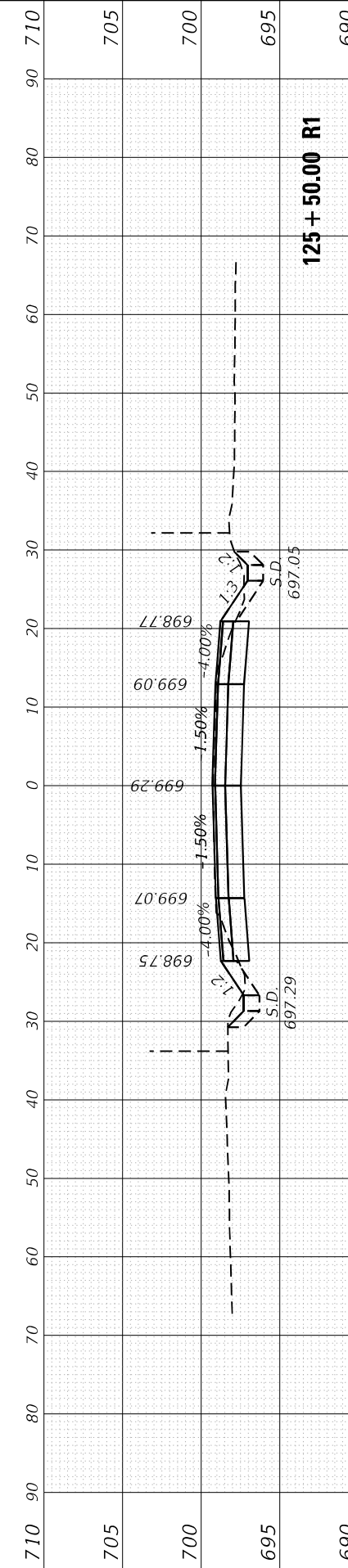
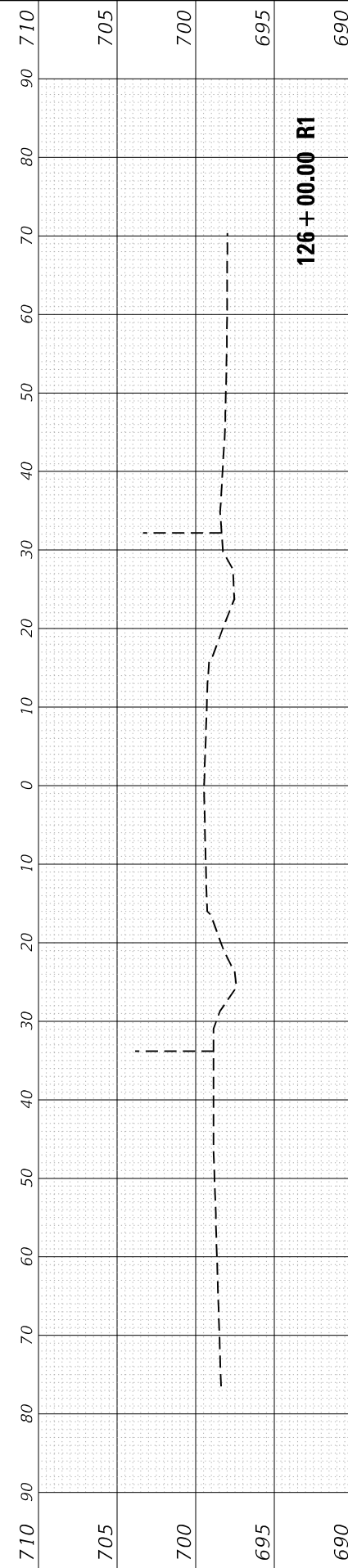
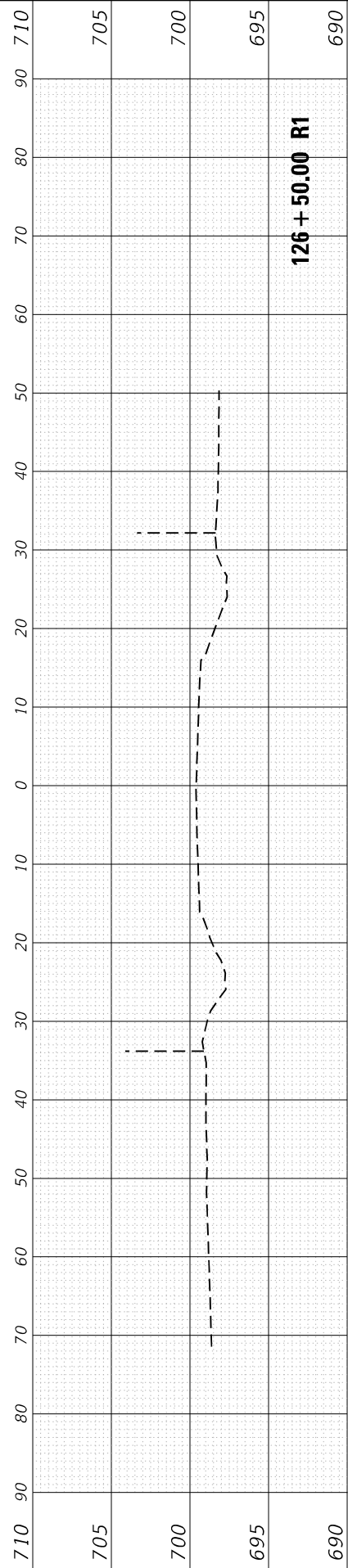
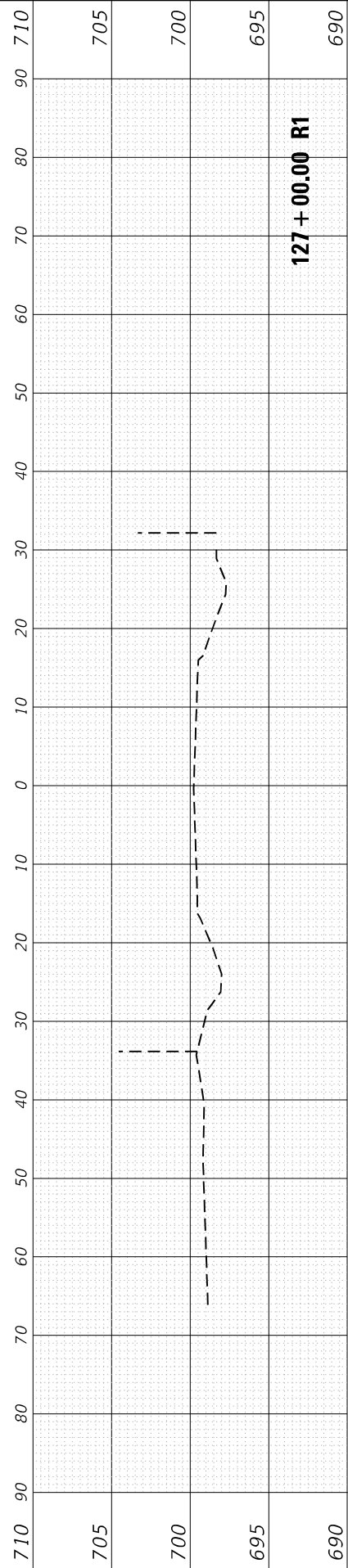
**CROSS SECTIONS
 183rd ST. AT CENTRAL AVE.**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	84
CONTRACT NO. 62K03			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = Omar,Mesad	DESIGNED -	REVISD -
PLOT SCALE = 20,0000 * / in.	DRAWN -	REVISD -
PLOT DATE = 12/16/2022	CHECKED -	REVISD -
	DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
183rd ST. AT CENTRAL AVE.**

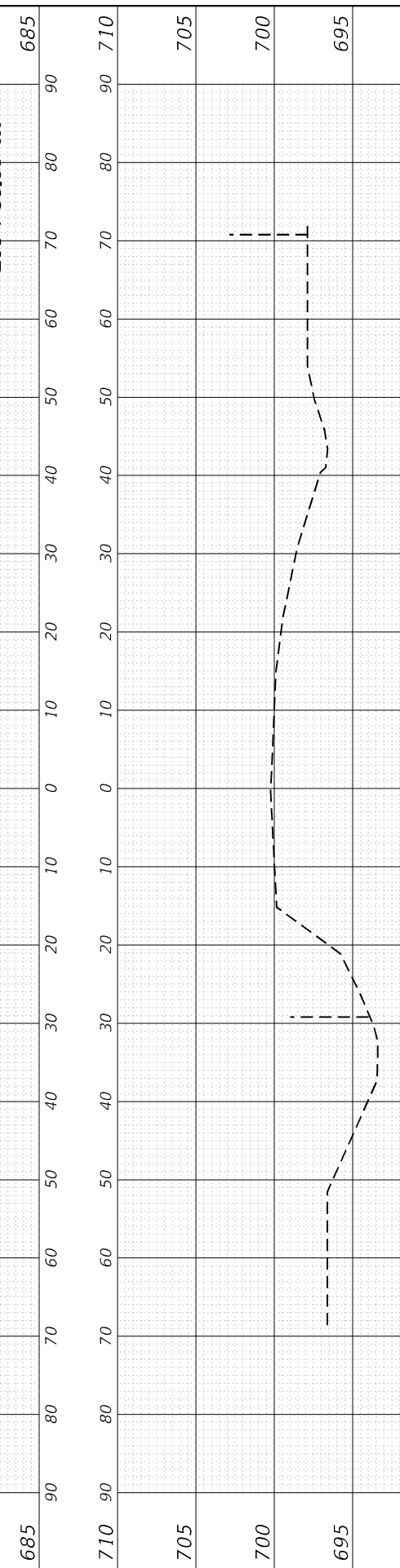
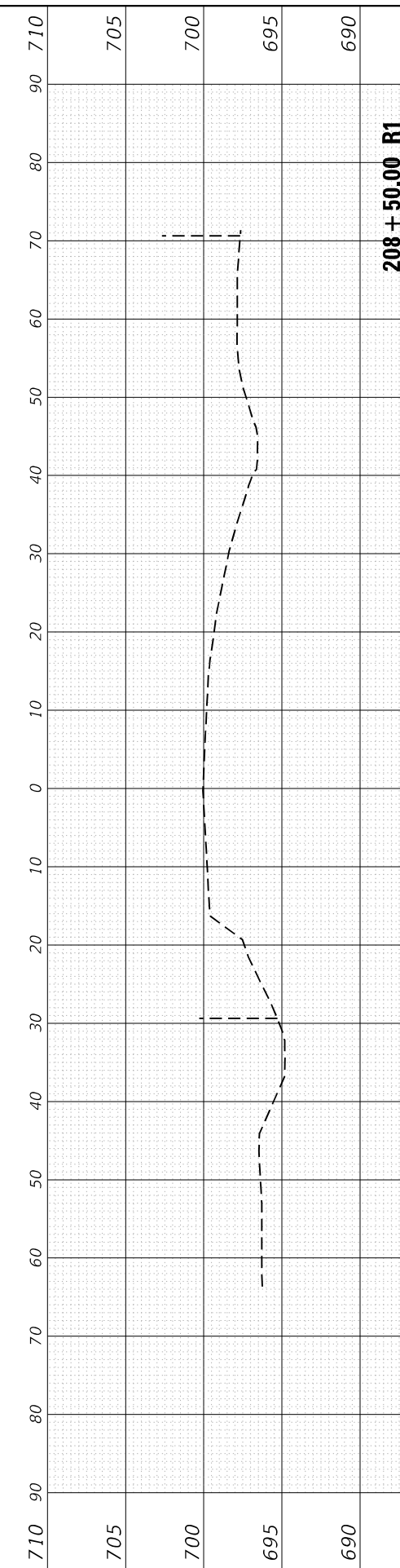
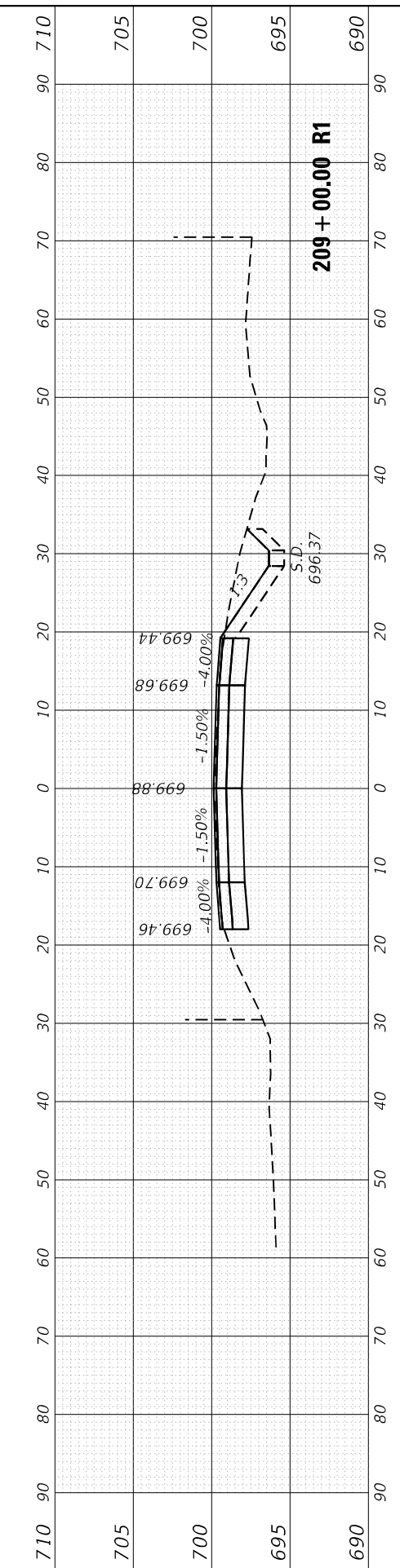
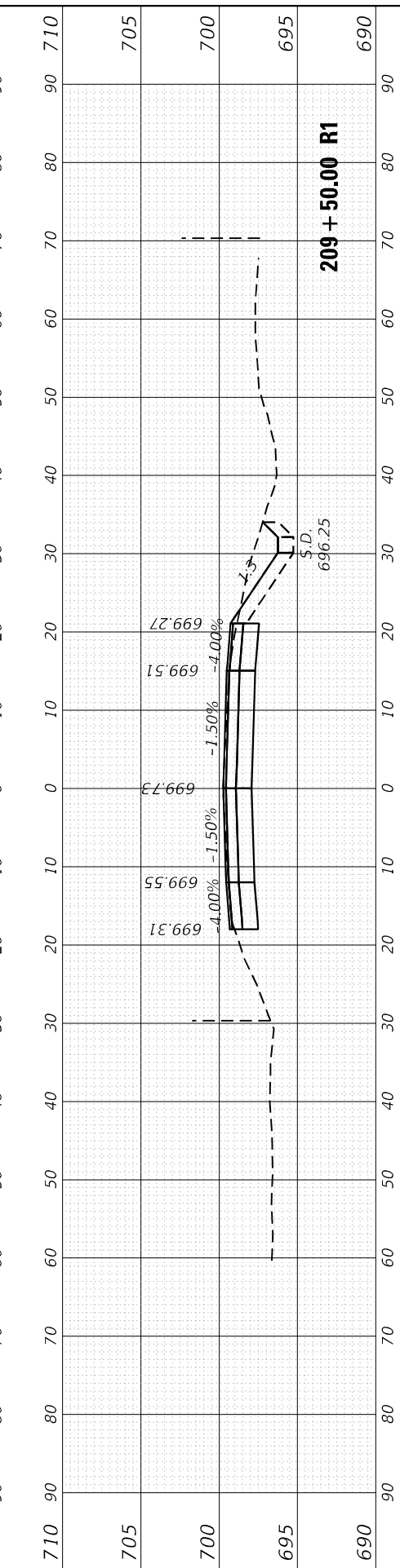
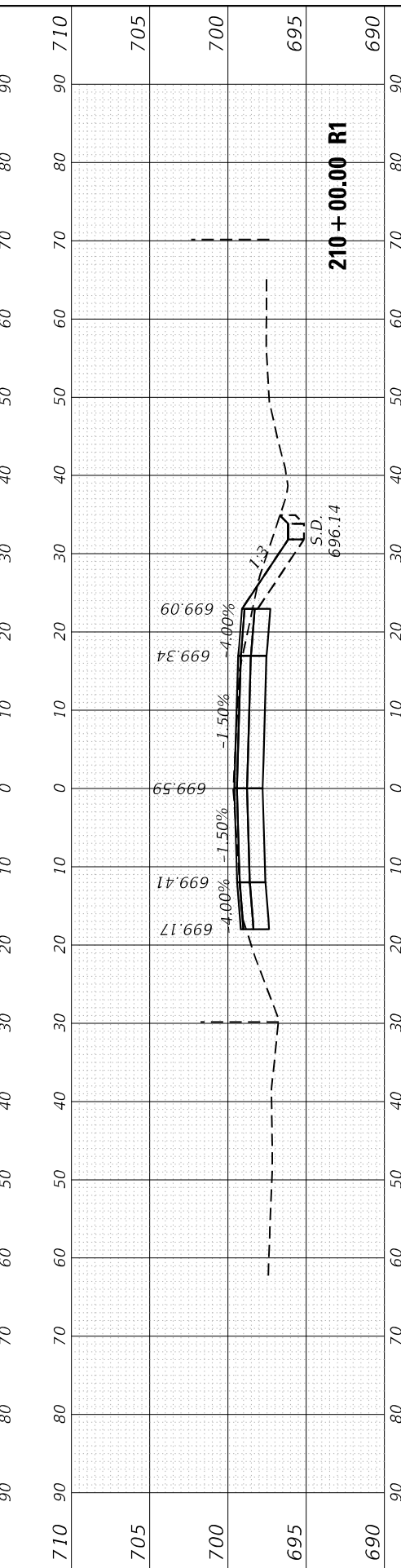
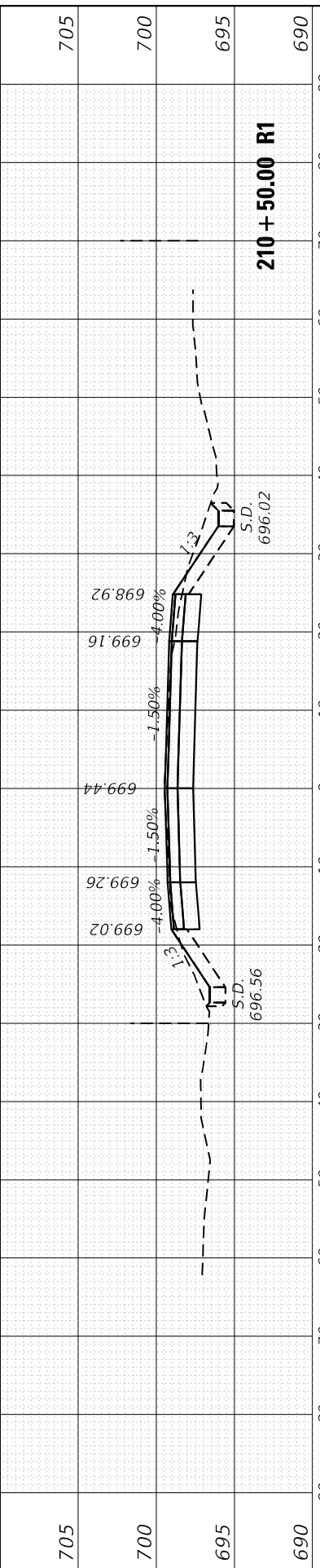
SCALE: SHEET OF SHEETS STA. 125+00.00 R1 TO STA. 127+00.00 R1

F.A.U. RTE. 1622	SECTION 2019-130-TS&N	COUNTY COOK	TOTAL SHEETS 91	SHEET NO. 85
CONTRACT NO. 62K03			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	30	CHECKED	40

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	40	CHECKED	50

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 No. 80
 12/16/2022



USER NAME = Omar, Mesad	DESIGNED -
	DRAWN -
PLOT SCALE = 20,0012' / in.	CHECKED -
PLOT DATE = 12/16/2022	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
183rd ST. AT CENTRAL AVE.

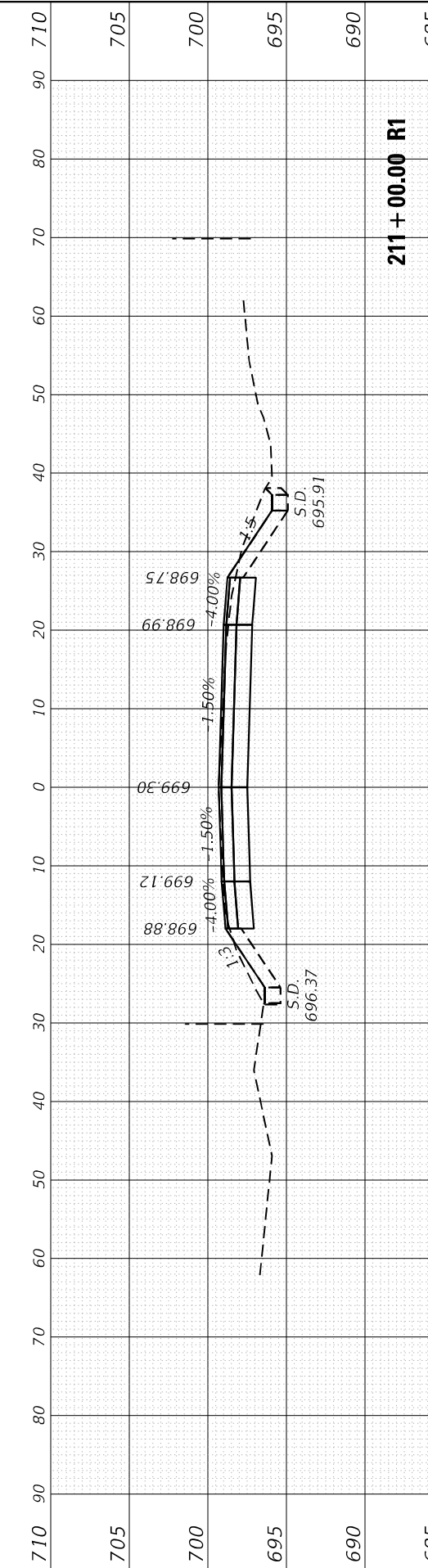
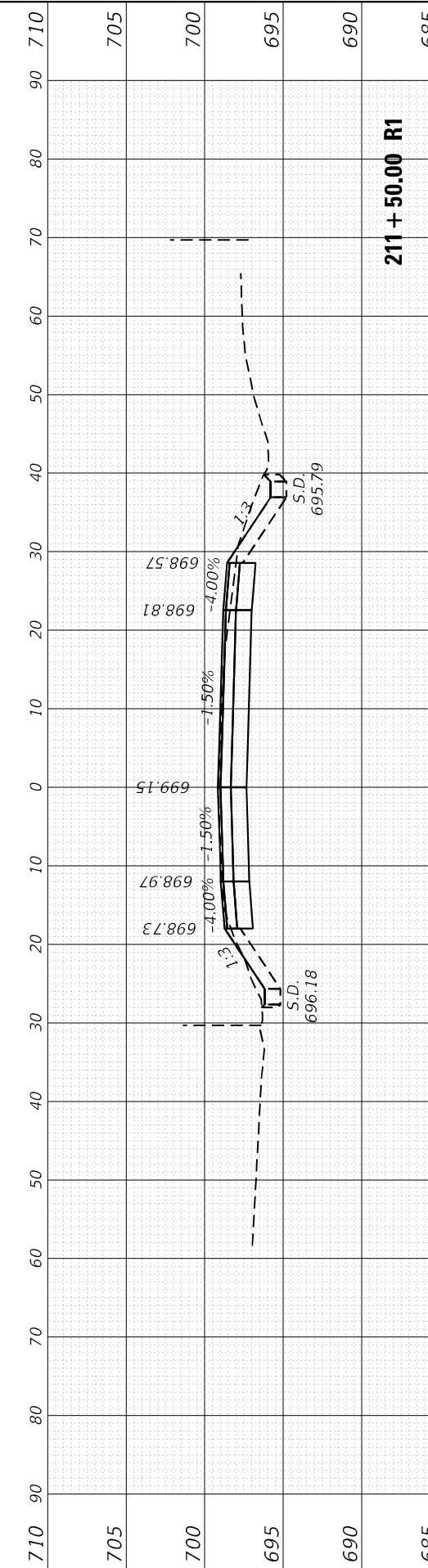
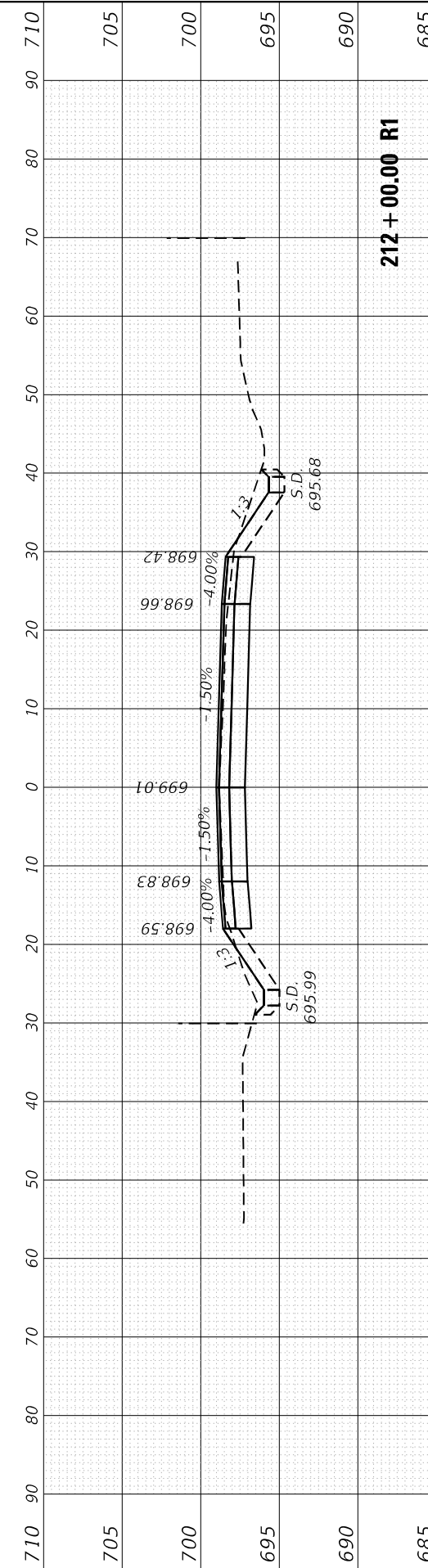
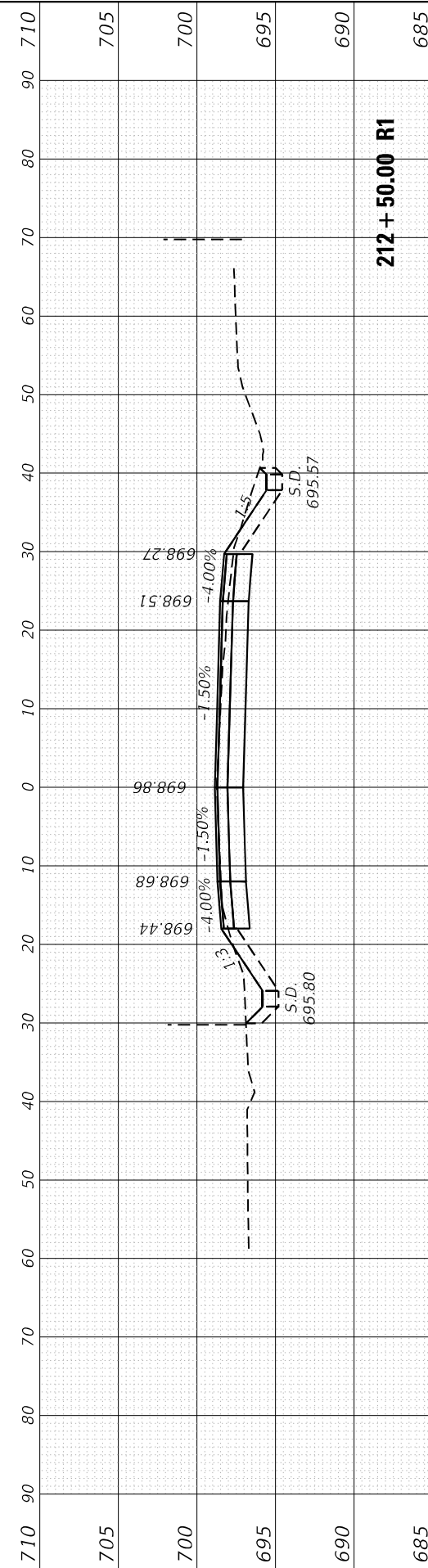
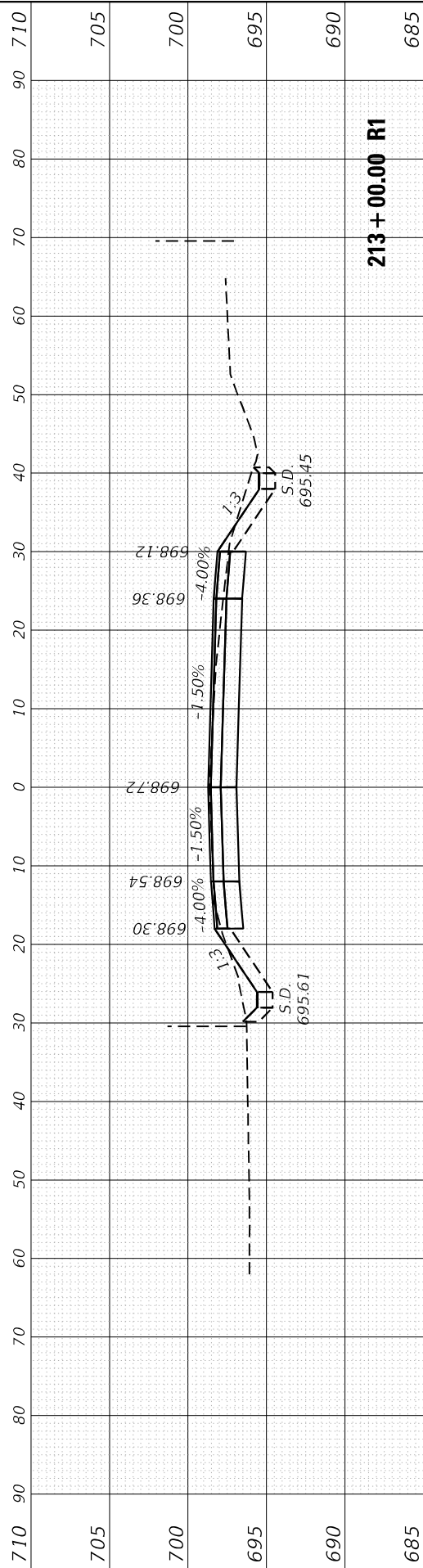
F.A.U. RTE. 1622	SECTION 2019-130-TS&N	COUNTY COOK	TOTAL SHEETS 91	SHEET NO. 86
CONTRACT NO. 62K03			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. 208+00.00 R1 TO STA. 210+50.00 R1

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

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

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USER NAME = Omar,Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0012' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 183rd ST. AT CENTRAL AVE.**

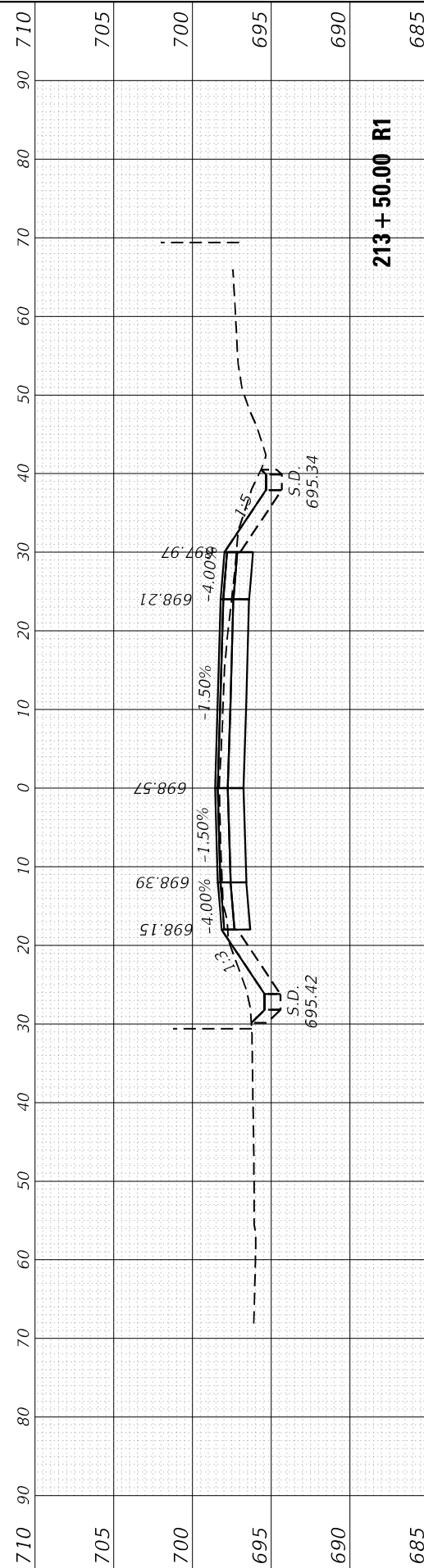
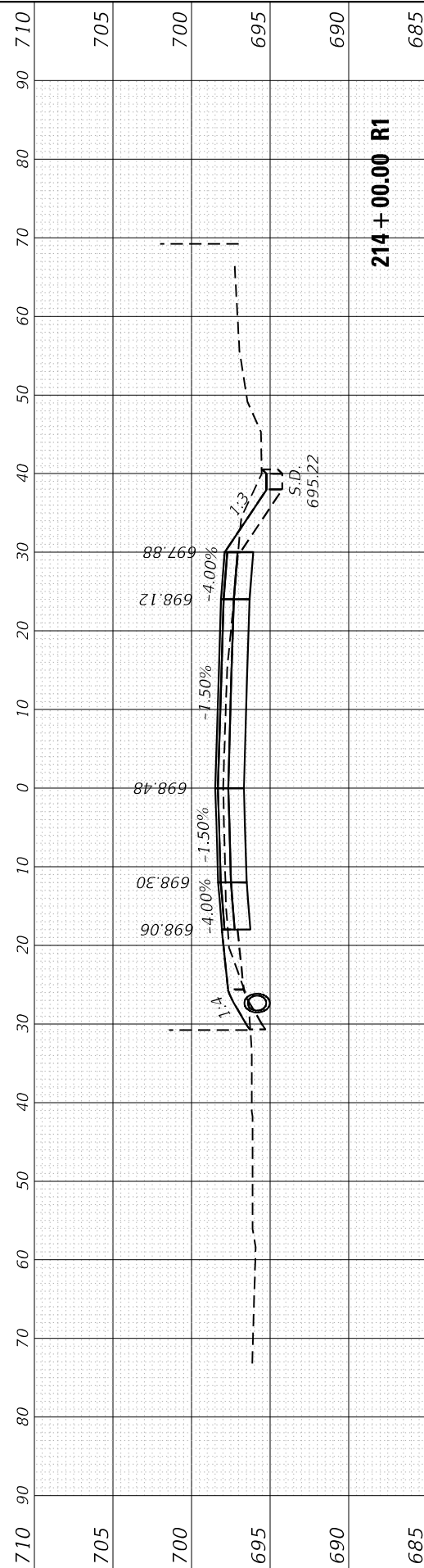
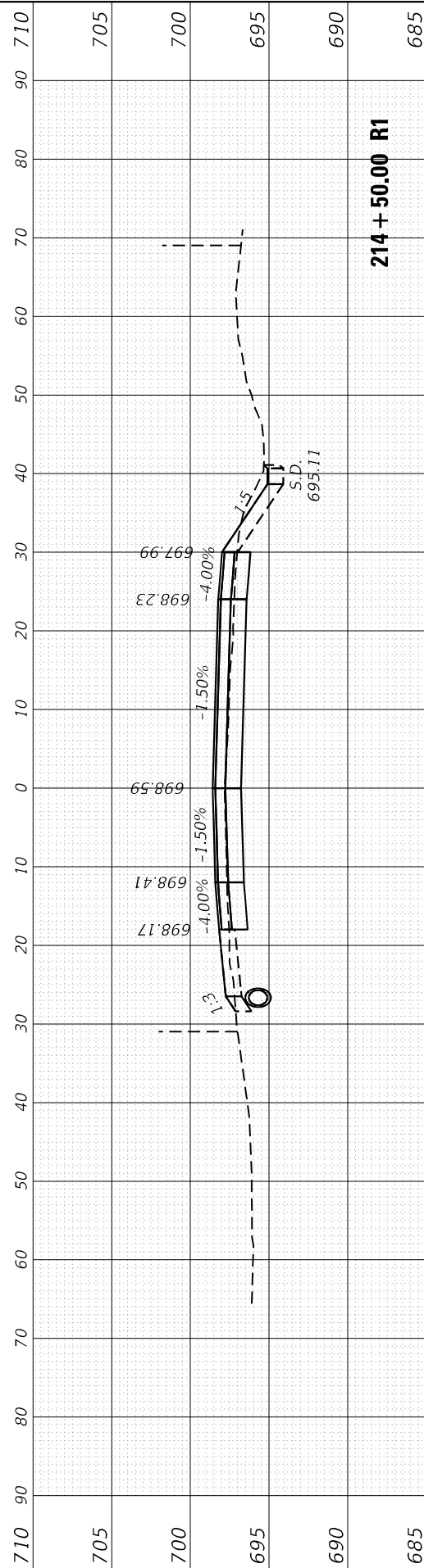
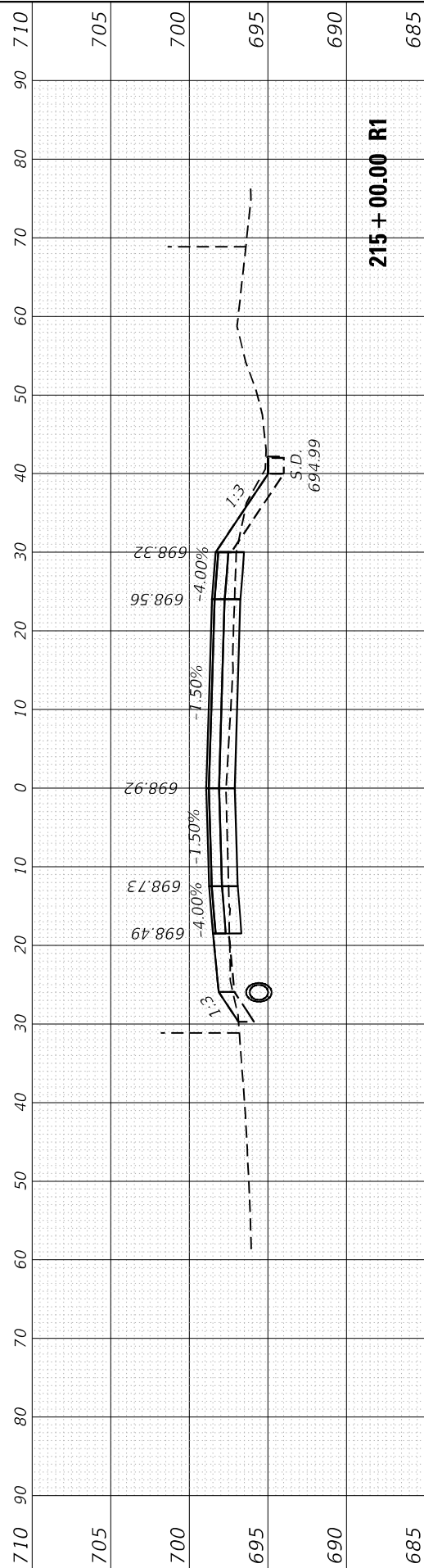
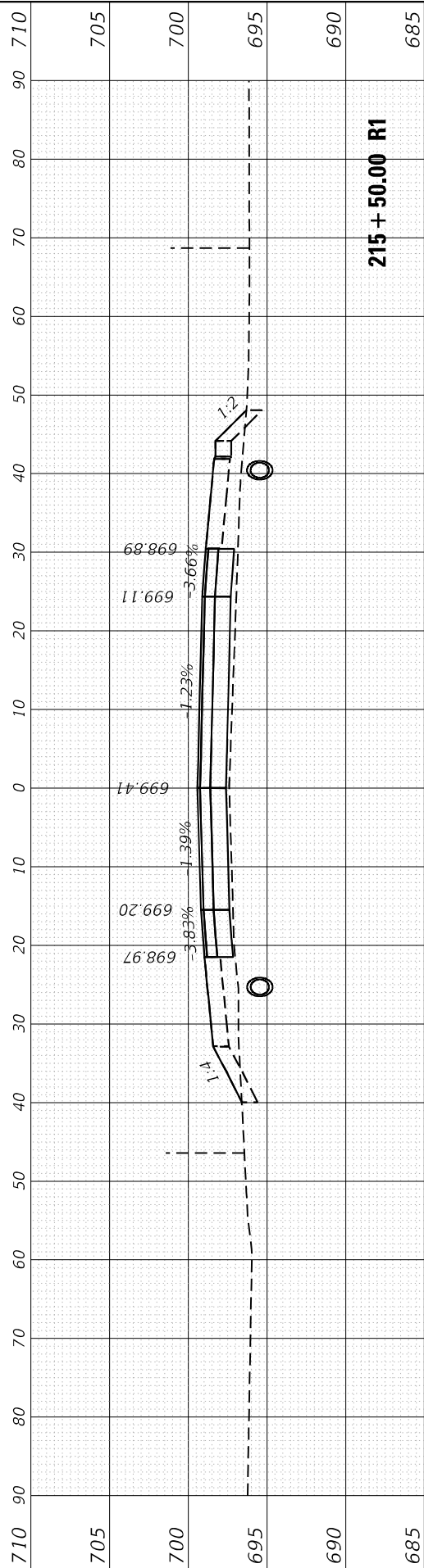
SCALE: SHEET OF SHEETS STA. 211+00.00 R1 TO STA. 213+00.00 R1

F.A.U. RTE. 1622	SECTION 2019-130-TS&N	COUNTY COOK	TOTAL SHEETS 91	SHEET NO. 87
CONTRACT NO. 62K03			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

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USER NAME = Omar, Mesad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0012' / in.	CHECKED -	REVISED -
PLOT DATE = 12/16/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. 213+50.00 R1 TO STA. 215+50.00 R1	
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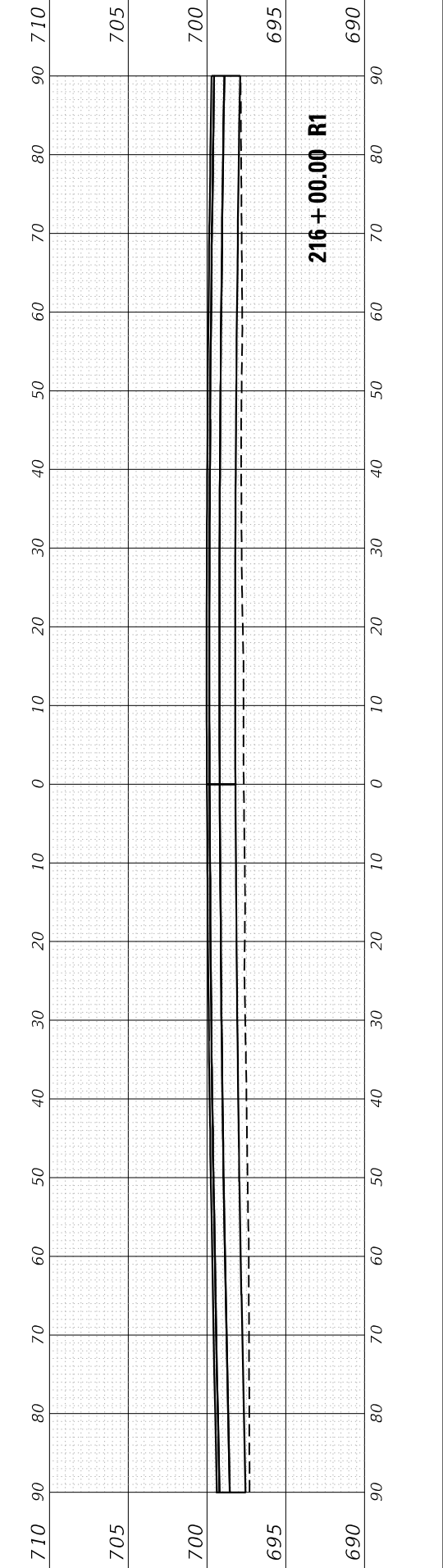
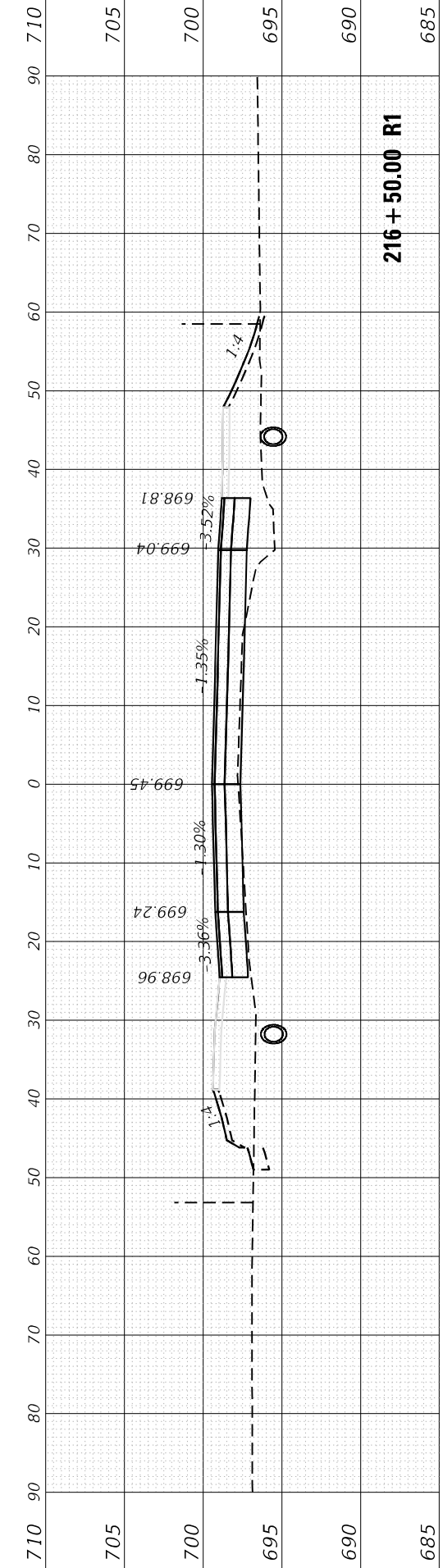
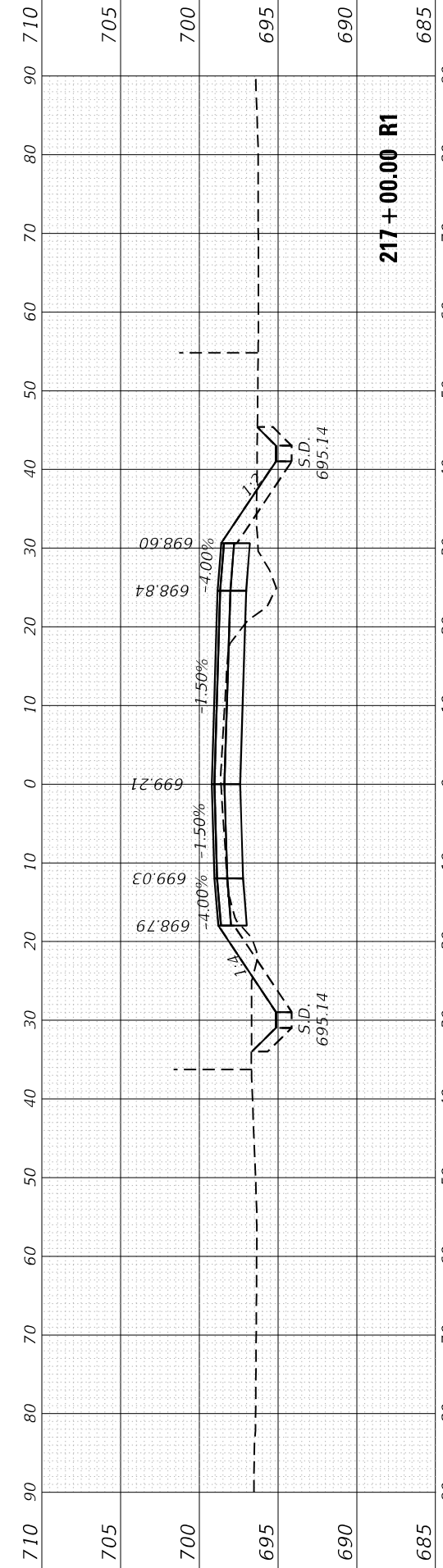
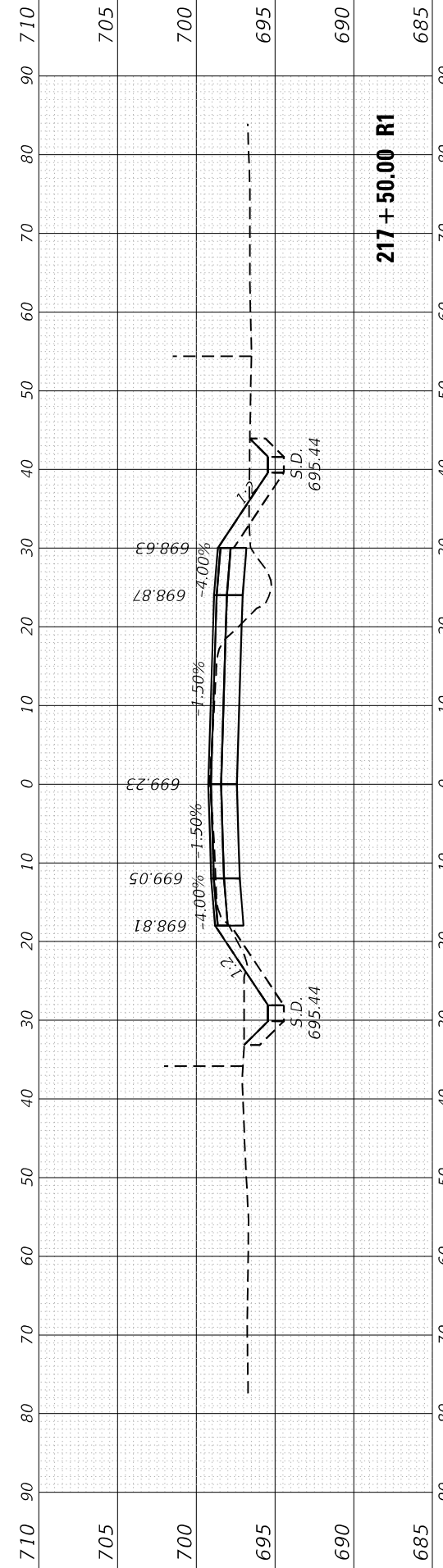
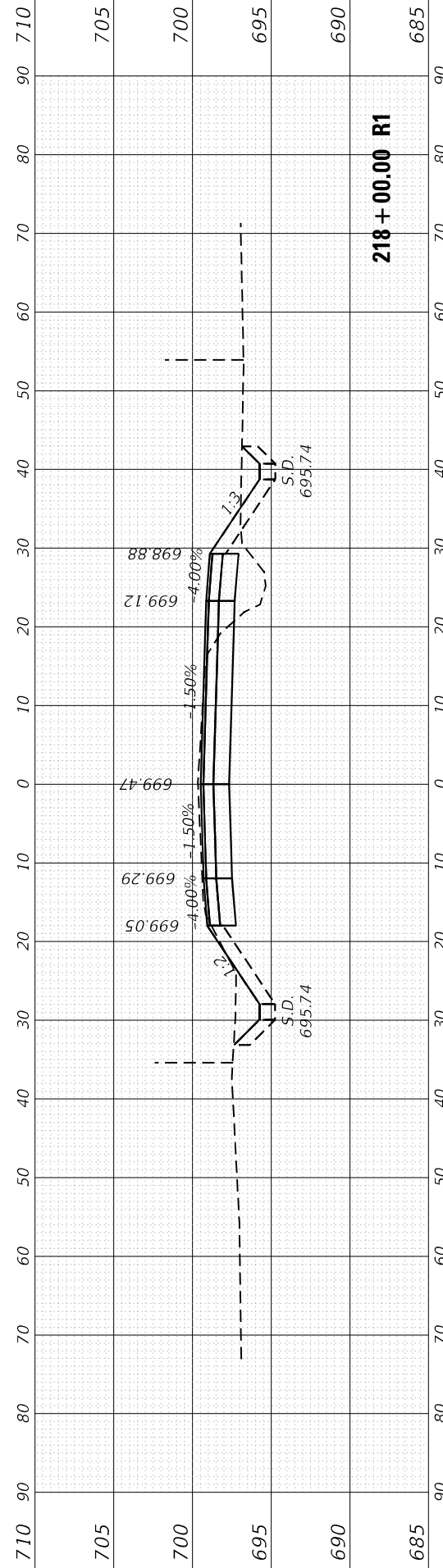
**CROSS SECTIONS
 183rd ST. AT CENTRAL AVE.**

F.A.U. RTE. 1622	SECTION 2019-130-TS&N	COUNTY COOK	TOTAL SHEETS 91	SHEET NO. 88
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K03	

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

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

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USER NAME = Omar,Mesad	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 20,0024' / in.	CHECKED -	REVISD -
PLOT DATE = 12/16/2022	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

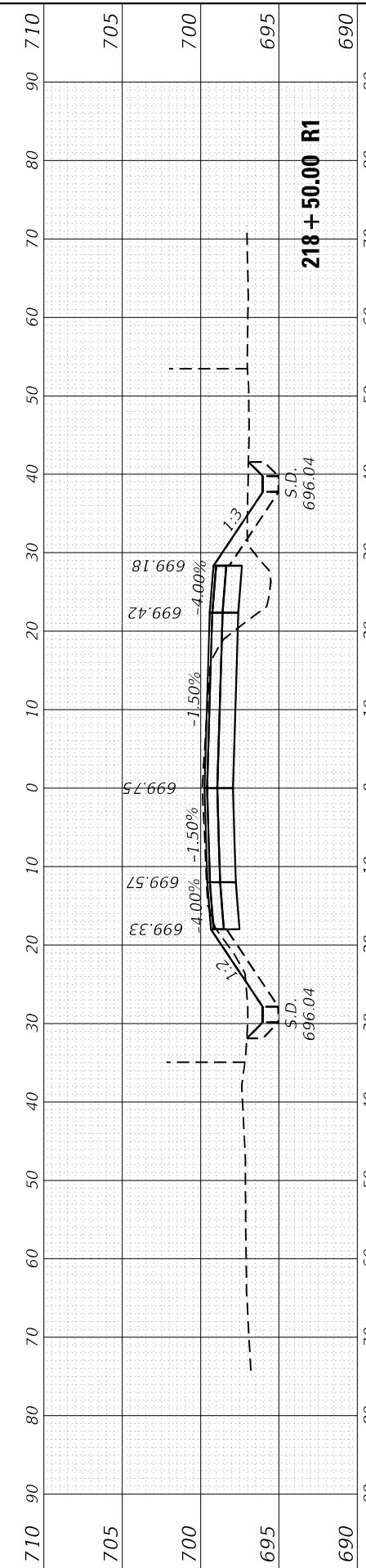
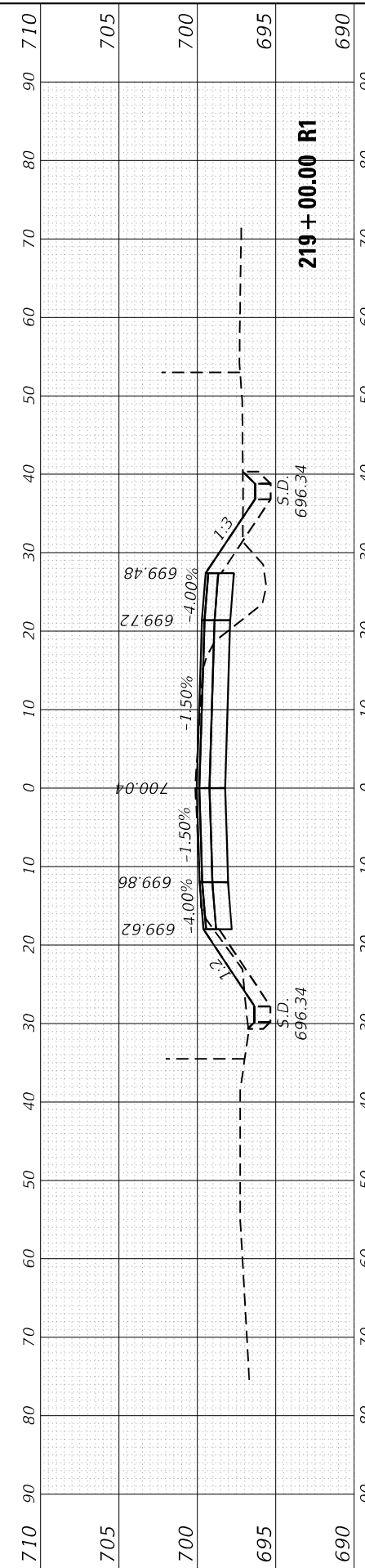
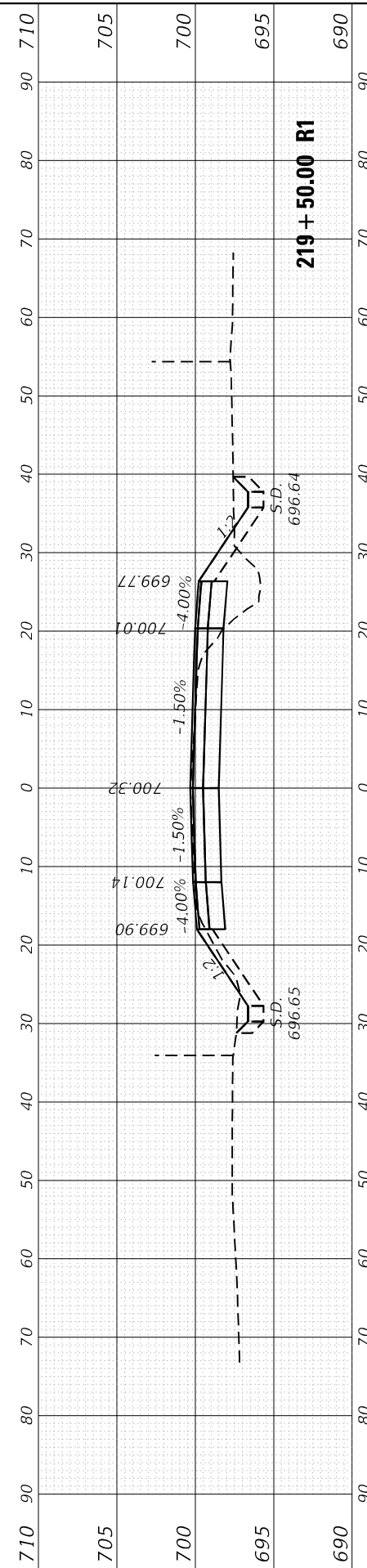
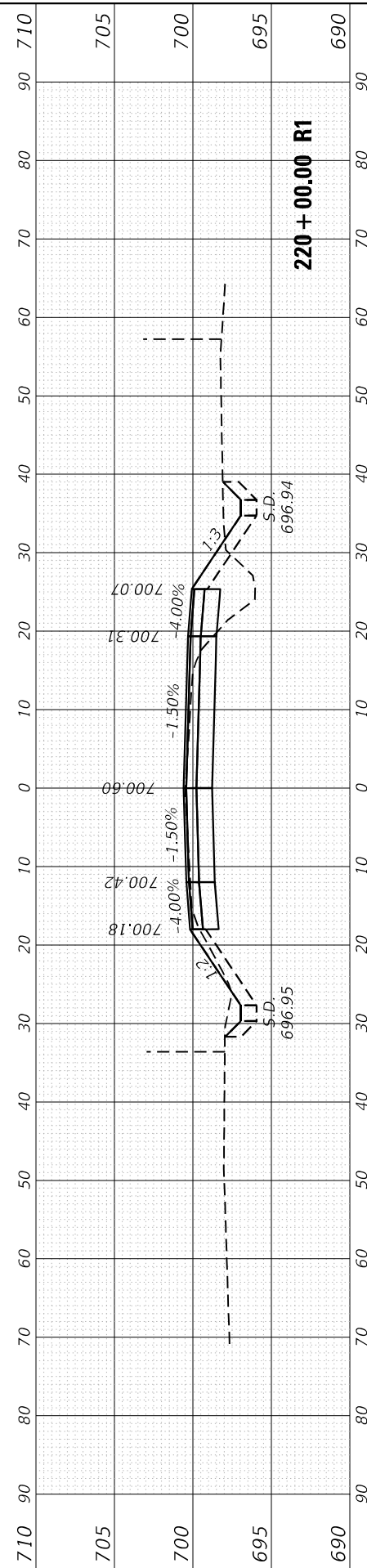
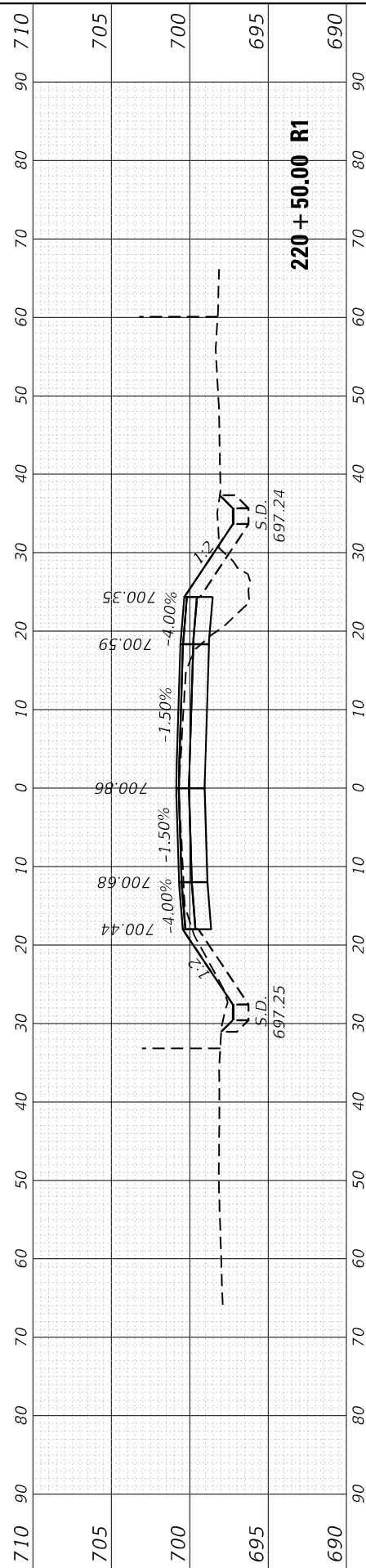
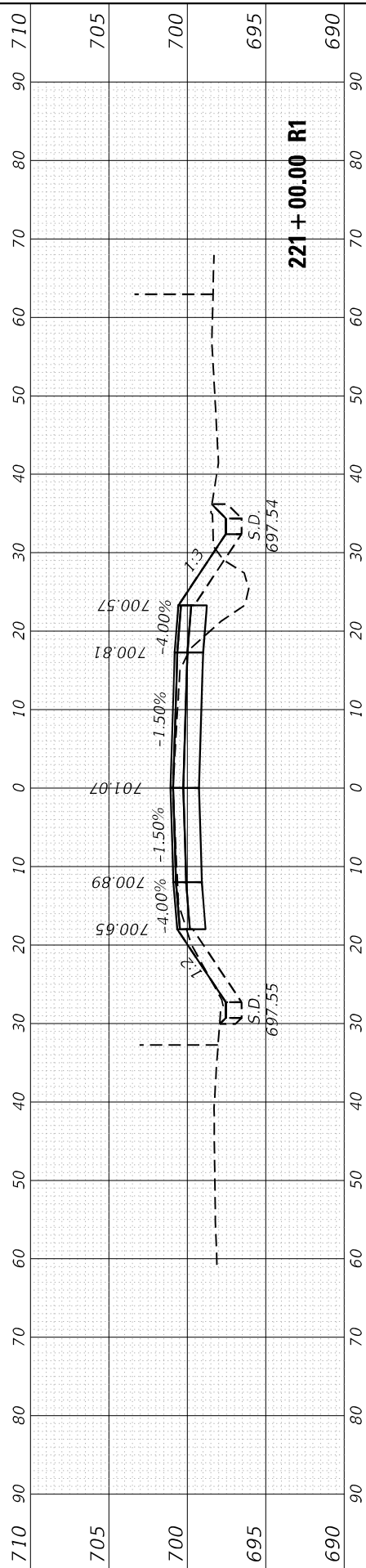
CROSS SECTIONS		
183rd ST. AT CENTRAL AVE.		
SCALE:	SHEET OF SHEETS	STA. 216+00.00 R1 TO STA. 218+00.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	89
				CONTRACT NO. 62K03
				ILLINOIS FED. AID PROJECT

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

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

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USER NAME = Omar, Mesad
PLOT SCALE = 20.0000 * / in.
PLOT DATE = 12/16/2022

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 218+50.00 R1 TO STA. 221+00.00 R1

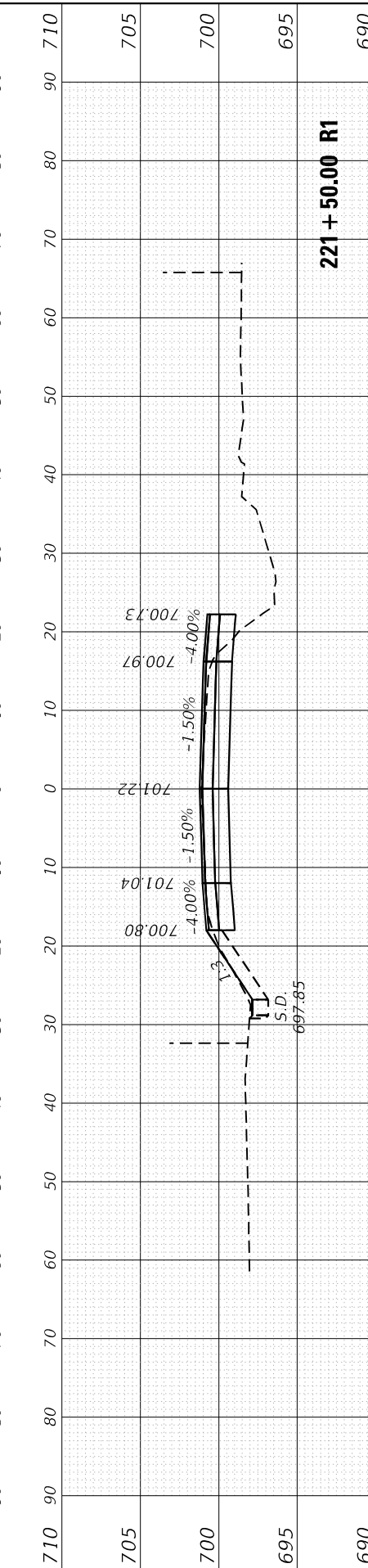
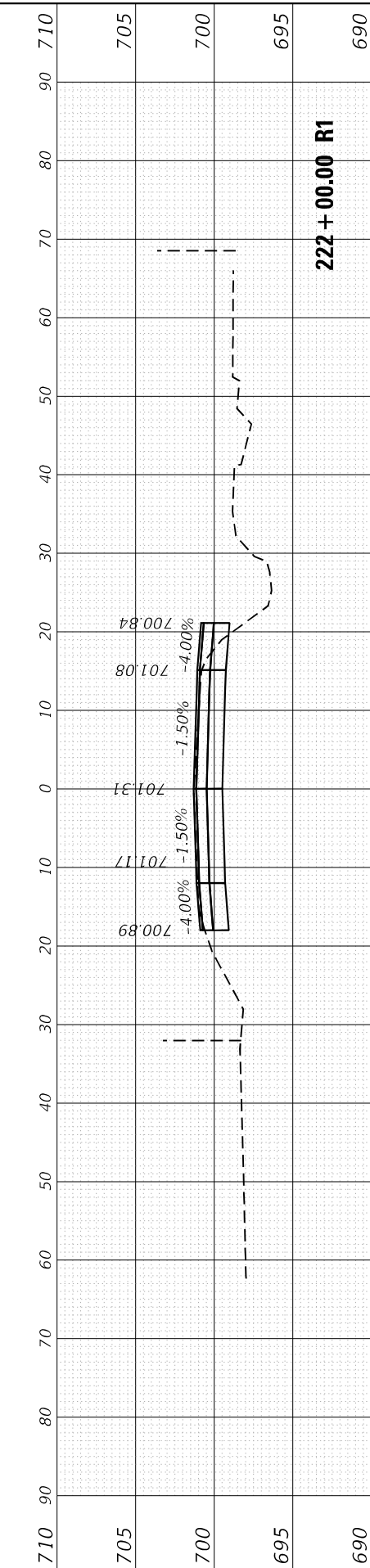
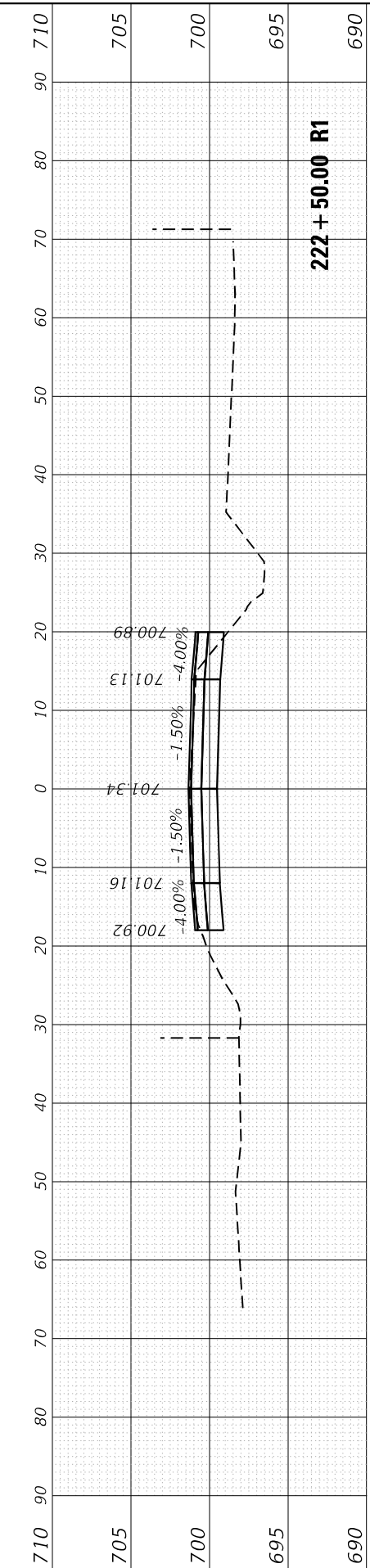
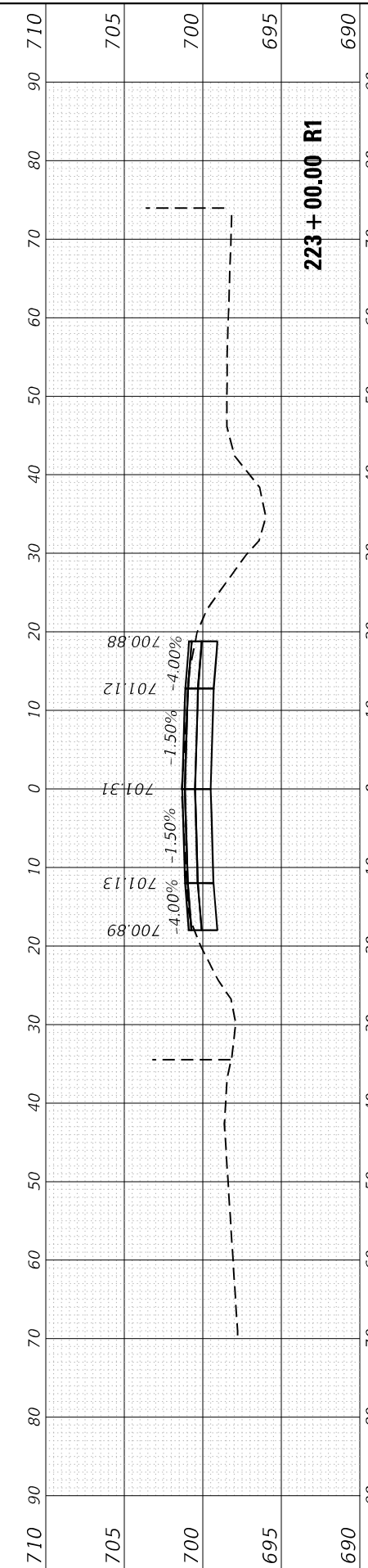
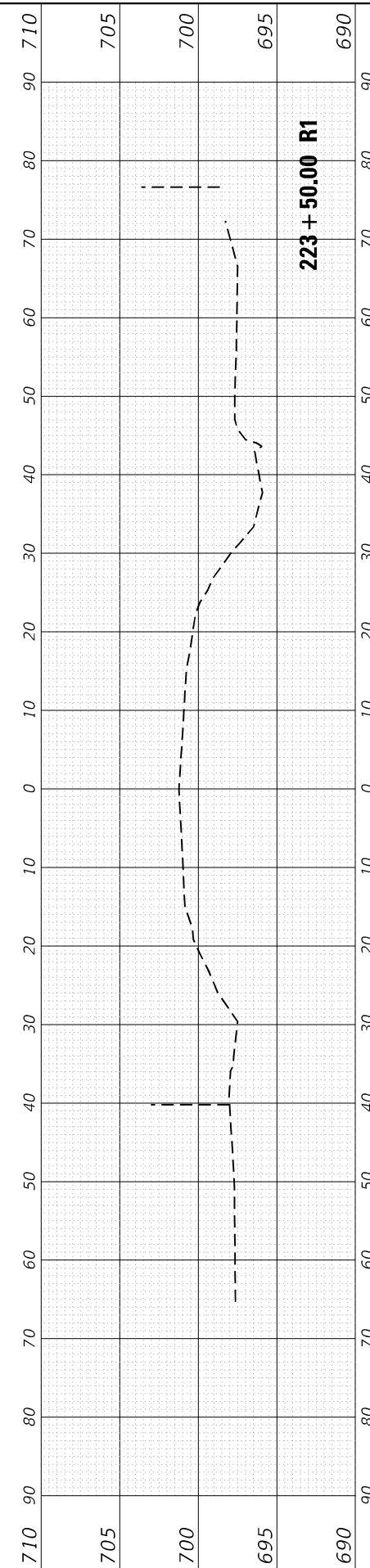
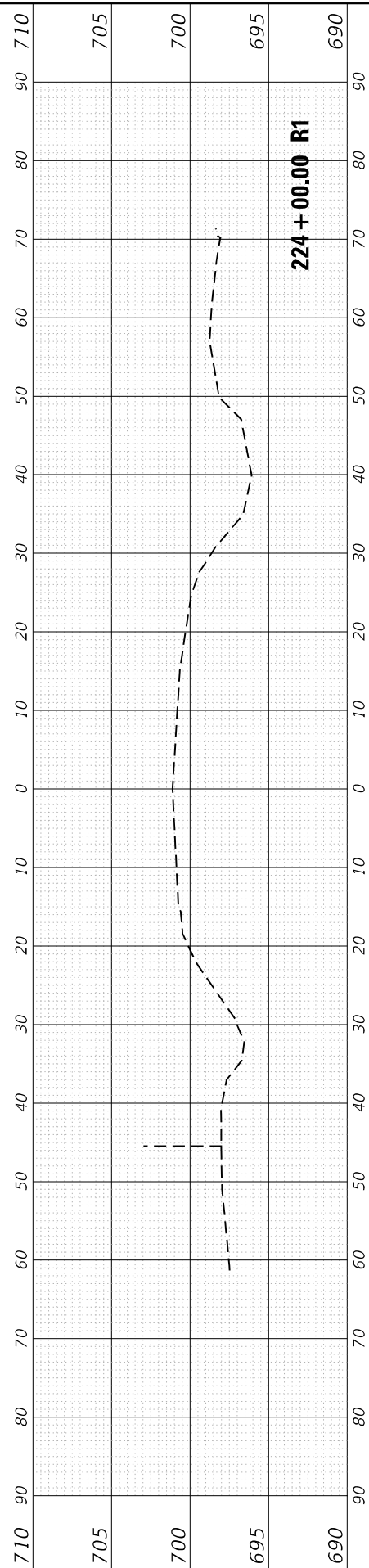
**CROSS SECTIONS
 183rd ST. AT CENTRAL AVE.**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	90
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K03	

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

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

MODEL: Definit
FILE NAME: D:\wll\er\pww\hcm\pww\dot\Documents\117509\CAD\Draw\Design\117509\hcm\ss\SP-Cross.dgn



USER NAME	= Omar,Mesad
PLOT SCALE	= 20.0000 * / in.
PLOT DATE	= 12/16/2022

DESIGNED	-	REVISD	-
DRAWN	-	REVISD	-
CHECKED	-	REVISD	-
DATE	-	REVISD	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS 183rd ST. AT CENTRAL AVE.		
SCALE:	SHEET	OF SHEETS
STA. 221+50.00 R1 TO STA. 224+00.00 R1		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1622	2019-130-TS&N	COOK	91	91
				CONTRACT NO. 62K03
		ILLINOIS	FED. AID PROJECT	