

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

07-31-2026 LETTING ITEM 021

DESIGN DESIGNATION

RAVINIA AVENUE (FAU 1709) = MAJOR COLLECTOR
153RD STREET = LOCAL ROAD



TRAFFIC DATA


RAVINIA AVENUE

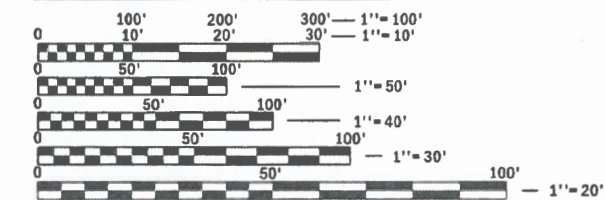
POSTED SPEED = 25 MPH
DESIGN SPEED = 30 MPH
2021 ADT (NORTH LEG) = 6,700
2050 ADT (NORTH LEG) = 7,900
2021 ADT (SOUTH LEG) = 4,900
2050 ADT (SOUTH LEG) = 5,800

153RD STREET

POSTED SPEED = 25 MPH
DESIGN SPEED = 30 MPH
2021 ADT (WEST LEG) = 9,900
2050 ADT (WEST LEG) = 11,700
2021 ADT (EAST LEG) = 7,800
2050 ADT (EAST LEG) = 9,200

<p>ELORA I. HSU # 062-063684</p>  <p>DATE: 03-06-2026 V3 COMPANIES EXP. DATE: 11-30-2027 SHEETS: 1-31, 43-85, 89-99</p>	<p>WILLIAM J. VEGRZYN # 081-004983</p>  <p>DATE: 03-06-2026 V3 COMPANIES EXP. DATE: 11-30-2026 SHEETS: 86-88</p>
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<p>MARC A. GRIGAS # 062-060836</p>  <p>DATE: 03-06-2026 STRAND ASSOCIATES EXP. DATE: 11-30-2027 SHEETS: 32-42</p>
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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



CONTRACT NO. 61M50

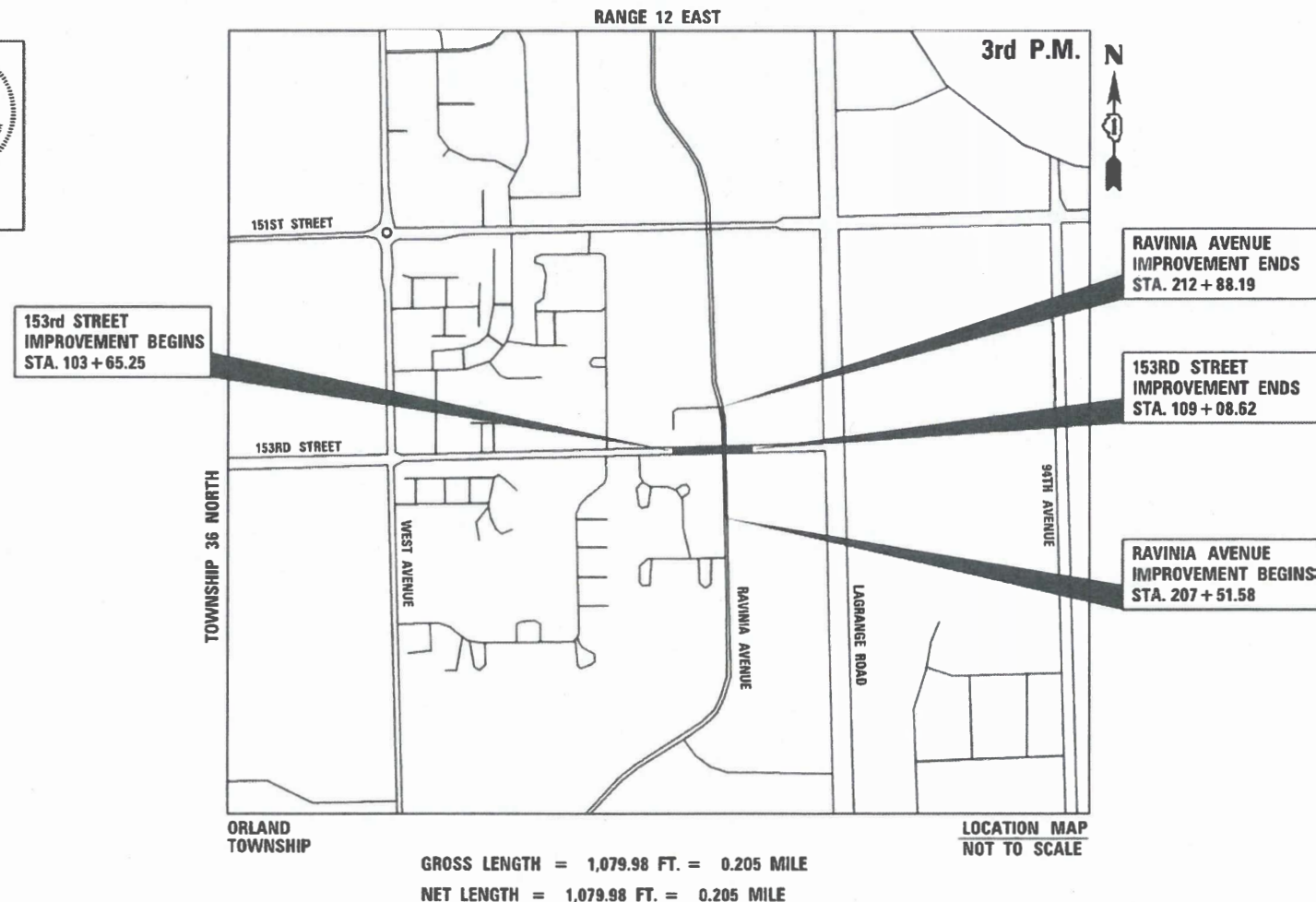
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

**FINAL PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

FAU ROUTE 1709 (RAVINIA AVENUE)
AT 153RD STREET
INTERSECTION IMPROVEMENT
SECTION 21-00088-00-CH
PROJECT K4JG(512)
VILLAGE OF ORLAND PARK
COOK COUNTY
JOB NO. C-91-256-24


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	1
		ILLINOIS	CONTRACT NO. 61M50	

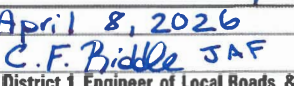



GROSS LENGTH = 1,079.98 FT. = 0.205 MILE
NET LENGTH = 1,079.98 FT. = 0.205 MILE

LOCATION MAP
NOT TO SCALE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved: 
Village of Orland Park 03/09/2026

Passed: April 8, 2026

C.F. Biddle JAF
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: April 8th, 2026

Joe Ross IR
Regional Engineer

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

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VILLAGE CONTACT INFO

ORLAND PARK DEPT. OF PUBLIC WORKS
 JOEL VAN ESSEN
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 15655 S. RAVINIA AVENUE
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ORLAND PARK POLICE DEPT.
 ERIC ROSSI
 CHIEF OF POLICE
 15100 S. RAVINIA AVENUE
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ORLAND PARK FIRE PROTECTION DIST.
 KEVIN DOYLE
 FIRE CHIEF
 9790 W. 151ST STREET
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 KHURSHID HODA
 DIRECTOR OF ENGINEERING
 14700 S RAVINIA AVENUE
 ORLAND PARK, IL 60462
 (708) 403-6128

GENERAL NOTES

1. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:
 - a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, ADOPTED JANUARY 1, 2022.
 - b. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," AS PREPARED BY IDOT, ADOPTED JANUARY 1, 2026.
 - c. THE LATEST EDITIONS OF THE MUNICIPAL CODE AND STANDARDS OF THE VILLAGE OF ORLAND PARK.
 - d. THE ILLINOIS ACCESSIBILITY CODE.
 - e. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION.
 - f. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AS PUBLISHED BY THE IEPA," LATEST EDITION.
 - g. ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA, LATEST EDITION.
 - h. "MANUAL OF TEST PROCEDURES FOR MATERIALS," LATEST EDITION
 - i. "ILLINOIS URBAN MANUAL," LATEST EDITION
 - j. THE NATIONAL ELECTRIC CODE, 2017 EDITION.
2. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR.
3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AND THE VILLAGE OF ORLAND PARK FOR FIELD LOCATIONS OF BURIED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIAL AND BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE AREA DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

GENERAL NOTES (CONTINUED)

6. THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES, TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.
7. AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF ORLAND PARK.
8. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
9. THE CONTRACTOR SHALL INSTALL/MAINTAIN/REMOVE INLET FILTERS IN ALL OPEN DRAINAGE STRUCTURES IN THE PAVEMENT THAT ARE WITHIN THE WORK ZONE OR ACCEPT STORMWATER THAT FLOWS OUT OF THE WORK ZONE, AND AT LOCATION AS DIRECTED BY THE ENGINEER.
10. BACKFILL STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.
11. ALL STATION AND OFFSETS SHOWN IN THE PLANS ARE FROM THE ROADWAY CENTERLINE ALIGNMENTS UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR SHALL SCHEDULE ALL REMOVALS AND REPLACEMENTS PROPOSED WITHIN THE TEMPORARY EASEMENTS TO DISTURB EACH PROPERTY FOR THE MINIMUM PRACTICABLE TIME.
13. ALL PEDESTRIAN ROUTES CONSTRUCTED WITHIN LIMITS OF THIS PROJECT SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS.
14. INCIDENTAL HOT-MIX ASPHALT MAY BE REQUIRED TO TRANSITION BETWEEN GRADE DIFFERENCES DURING STAGING. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE VARIOUS HOT-MIX ASPHALT PAY ITEMS.
15. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDINACE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED.
16. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.
17. THE FOLLOWING ASSUMPTIONS WERE USED TO ESTIMATE PLAN QUANTITIES:
 - A. 25% OF THE PAVEMENT RECONSTRUCTION AREAS ARE ASSUMED TO REQUIRE UNDERCUT TREATMENT. THE ASSUMED DEPTH OF UNDERCUT NEEDED IS 1 FOOT.
 - I. IN ADDITION, PAVEMENT RECONSTRUCTION AREAS ON RAVINIA AVENUE FROM STATION 209+00 TO 210+25 AND ON 153RD STREET FROM STATION 107+00 TO 109+00 ARE EXPECTED TO REQUIRE AN UNDERCUT PER THE ROADWAY GEOTECHNICAL REPORT.
 - B. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL BE USED IN LOCATIONS WHERE THERE ARE UNDERCUTS.
 - C. 25% OF THE LENGTH OF THE ROADWAY (EACH SIDE) TO BE RECONSTRUCTED IS ASSUMED TO REQUIRE PIPE UNDERDRAINS, TYPE 2, 4". LOCATIONS OF UNDERDRAINS SHALL BE DETERMINED IN THE FIELD DURING CONSTRUCTION BY THE ENGINEER AND INSTALLED AS DESCRIBED BELOW.
18. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICIATIONS AND STANDARD 606001-05. TOP OF PIPE UNDERDRAINS SHALL BE MINIMUM OF 6" BELOW THE AGGREGATE SUBGRADE LAYER. THE COST OF MAKING UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
19. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER.
20. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

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PLOT DATE = 4/3/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARD, AND GENERAL NOTES			
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	2
CONTRACT NO. 61M50				
ILLINOIS		FED. AID PROJECT		

DRAINAGE NOTES

1. OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURE LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF THE STRUCTURE IF THE STRUCTURE IS NOT IN THE CURB LINE.
2. WHENEVER, DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING PIPE SIZES, INVERTS, FLOW DIRECTION, AND CONNECTIONS PRIOR TO ORDERING ANY MATERIALS TO CONFIRM THAT THE PROPOSED PIPES AND STRUCTURES ARE ADEQUATE AND RESULT IN POSITIVE DRAINAGE FLOW.
4. EXISTING MANHOLE / CATCH BASIN RIMS SHALL BE ADJUSTED AS NOTED.
5. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY AS DETERMINED BY THE ENGINEER. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ON-SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. ALL FIELD TILE REPAIRS MUST MEET THE ILLINOIS URBAN MANUAL SPEC 945.
6. WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY, IS INTERRUPTED DUE TO THE SEWER INSTALLATION, THE DRAINAGE ROUTE SHALL BE RE-ESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
7. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ALL SURFACE DRAINAGE WITHIN THE PROJECT LIMITS. ALL STORM FLOW MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY ENGINEER.
8. ANY EXISTING DRAINAGE FACILITIES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR. THIS WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.
9. TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED.
10. UNLESS OTHERWISE INDICATED ON THE PLANS, STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE IN CONFORMANCE WITH IDOT STANDARD SPECIFICATIONS DETERMINATION FOR PIPE CLASS, AND CONFORMING TO ASTM C76. ALL STORM SEWER SHALL HAVE GASKETED JOINTS CONFORMING TO ASTM C-361.
11. PROVIDE TRENCH BACKFILL IN ACCORDANCE WITH IDOT SPECIFICATIONS.
12. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY AND STORM SEWER OPERATIONS. .

REMOVALS AND PAVING NOTES

1. ALL EXISTING PAVEMENT OR CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER AND LAWFUL REMOVAL AND DISPOSAL OF EXCAVATED MATERIALS FROM THE JOB SITE.
3. NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.
4. PAVEMENT AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. IF DAMAGED, IT SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE VILLAGE OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP AND BY CONTRACTOR.
5. ALL CURB RADII REFER TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
6. PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.
7. ASPHALT JOINTS FOR BINDER COURSES ARE TO BE STAGGERED.
8. THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1.
9. THE CONTRACTOR SHALL NOT CROSS COMPLETED SURFACE COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
10. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB & GUTTER AND MEDIAN, AND CHAIR SUPPORT FOR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.

EROSION CONTROL NOTES

1. A STAMPED AND SIGNED COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES AND BE PRESENTED WHEN REQUESTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS SHOWN ON THESE DRAWINGS.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES IMMEDIATELY AFTER STRIPPING OF EXISTING VEGETATION.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 95-60.
5. THE CONTRACTOR WILL BE REQUIRED TO HAVE A DESIGNATED CONCRETE WASHOUT AREA DURING ALL CONCRETE POURS.
6. IN AREAS WHERE CONSTRUCTION ACTIVITY IS CEASED FOR 14 DAYS OR MORE, STABILIZATION MEASURES SHALL BE INITIATED WITHIN 7 DAYS.
7. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED.
8. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL WHEN NECESSARY OR AS DIRECTED BY THE ENGINEER.
9. EROSION CONTROL ITEMS ARE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.

LANDSCAPING NOTES

1. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITH THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
2. ALL TREE PROTECTION, TREE REMOVAL, 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 ENGINEER.
3. TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIPLINE OF THE TREES WITHIN THE LIMITS OF THE CONSTRUCTION DESIGNATED TO REMAIN TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN TREE ROOT PRUNING OR TREE PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
4. EXISTING VEGETATED AREAS (TRESS, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
5. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE TREES AND SHRUBS.

COMMITMENTS

NONE

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PLOT DATE = 4/3/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	3
CONTRACT NO. 61M50				
		ILLINOIS	FED. AID PROJECT	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					STP 80% FED / 20% LOCAL	STP 80% FED / 20% LOCAL	
					ROADWAY	TRAINEES	
					0004	0042	
					URBAN	URBAN	
#	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	108	108		
#	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18		
	20101000	TEMPORARY FENCE	FOOT	571	571		
#	20101200	TREE ROOT PRUNING	EACH	20	20		
#	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	9	9		
#	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	11	11		
	20200100	EARTH EXCAVATION	CU YD	1,914	1,914		
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,287	1,287		
	20800150	TRENCH BACKFILL	CU YD	155	155		
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,092	3,092		
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,140	1,140		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	50	50		
	21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	50	50		
#	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	40	40		
#	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	40	40		
#	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	40	40		
#	25200110	SODDING, SALT TOLERANT	SQ YD	2,942	2,942		
#	25200200	SUPPLEMENTAL WATERING	UNIT	177	177		
	28000400	PERIMETER EROSION BARRIER	FOOT	2,218	2,218		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	4
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					STP 80% FED / 20% LOCAL	STP 80% FED / 20% LOCAL
					ROADWAY	TRAINEES
					0004	0042
URBAN	URBAN					
	28000510	INLET FILTERS	EACH	18	18	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	920	920	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	5,440	5,440	
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,470	1,470	
	35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	34	34	
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	185	185	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	9,922	9,922	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,879	2,879	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	5	5	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	34	34	
	40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	4,192	4,192	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,599	1,599	
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	5,097	5,097	
	42400800	DETECTABLE WARNINGS	SQ FT	320	320	
	44000100	PAVEMENT REMOVAL	SQ YD	5,080	5,080	
	44000300	CURB REMOVAL	FOOT	53	53	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,926	1,926	
	44000600	SIDEWALK REMOVAL	SQ FT	3,664	3,664	
	550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	367	367	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	5
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					80% FED / 20% LOCAL	80% FED / 20% LOCAL	
					ROADWAY	TRAINEES	
					0004	0042	
					URBAN	URBAN	
	550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	7	7		
	550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	127	127		
	55100500	STORM SEWER REMOVAL 12"	FOOT	46	46		
	55101200	STORM SEWER REMOVAL 24"	FOOT	124	124		
#	56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1	1		
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	556	556		
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	6	6		
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1		
	60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	3	3		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
	60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6	6		
	60255500	MANHOLES TO BE ADJUSTED	EACH	3	3		
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3	3		
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1		
	60404800	FRAMES AND GRATES, TYPE 11	EACH	1	1		
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	7	7		
	60500060	REMOVING INLETS	EACH	3	3		
	60600605	CONCRETE CURB, TYPE B	FOOT	60	60		

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PLOT DATE	4/3/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	6
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					STP 80% FED / 20% LOCAL ROADWAY	STP 80% FED / 20% LOCAL TRAINEES
					0004	0042
					URBAN	URBAN
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3,052	3,052	
	60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	271	271	
	67100100	MOBILIZATION	L SUM	1	1	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	1,080	1,080	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	851	851	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	6,085	6,085	
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	46	46	
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	7,493	7,493	
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	163	163	
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	337	337	
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	112	112	
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	932	932	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3,222	3,222	
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1,573	1,573	
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV TAPE	FOOT	970	970	
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	77	77	
#	72000100	SIGN PANEL - TYPE 1	SQ FT	51	51	
#	72000200	SIGN PANEL - TYPE 2	SQ FT	142	142	
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	12	12	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 4 OF 8 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	7
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					STP 80% FED / 20% LOCAL	STP 80% FED / 20% LOCAL
					ROADWAY	TRAINEES
					0004 URBAN	0042 URBAN
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	12	12	
#	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	384	384	
#	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	847	847	
#	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,222	3,222	
#	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,492	1,492	
#	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	618	618	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	495	495	
#	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	135	135	
#	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	245	245	
#	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	1	1	
#	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	4	4	
#	81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	230	230	
#	81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	135	135	
#	81800415	AERIAL CABLE, 4-1/C NO. 6 WITH MESSENGER WIRE	FOOT	1,220	1,220	
#	82500380	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1	1	
#	83006500	LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. MAST ARM	EACH	15	15	
#	83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	11	11	
#	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	135	135	
#	84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	11	11	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	8
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					STP 80% FED / 20% LOCAL	STP 80% FED / 20% LOCAL
					ROADWAY	TRAINEES
					0004 URBAN	0042 URBAN
#	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	4	4	
#	84200804	REMOVAL OF POLE FOUNDATION	EACH	4	4	
#	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	450	450	
#	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
#	89502380	REMOVE EXISTING HANDHOLE	EACH	1	1	
#	A2004420	TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
#	A2004620	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7	
#	C2004865	SHRUB, PHYSOCARPUS OPULIFOLIUS DONNA MAY (LITTLE DEVIL COMMON NINEBARK), 18" HEIGHT, 5 - GALLON CONTAINER	EACH	30	30	
#	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	2	2	
#	K0036118	MULCH PLACEMENT 3"	SQ YD	62	62	
	X0321690	BRICK WALL REMOVAL	FOOT	23	23	
	X0327036	BIKE PATH REMOVAL	SQ YD	312	312	
#	X0326681	REMOVE AND RE-ERECT BOULDERS	L SUM	1	1	
#	X1400238	LUMINAIRE, LED, SPECIAL	EACH	15	15	
#	X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	12	12	
	X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	300	300	
	X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	53	53	
	X4200469	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	298	298	
	X6020084	MANHOLE (SPECIAL)	EACH	6	6	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	9
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					STP	STP
					80% FED / 20% LOCAL	80% FED / 20% LOCAL
					ROADWAY	TRAINEES
					0004	0042
					URBAN	URBAN
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2	
	X6062206	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6 INCH	SQ FT	6,965	6,965	
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	9	9	
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	166	166	
#	X8005020	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	15	15	
#	X8040106	ELECTRIC SERVICE INSTALLATION AND CONNECTION	EACH	1	1	
#	X8211006	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	11	11	
#	X8302161	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	2	2	
#	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	18	18	
#	X8400102	MAINTENANCE OF LIGHTING SYSTEM	EACH	1	1	
#	X8500102	MAINTENANCE OF EXISTING FIBER OPTIC CABLE (FOC) NETWORK	MONTH	6	6	
#	X8710023	FIBER OPTIC CABLE IN CONDUIT, 96 FIBERS, SINGLE MODE	FOOT	200	200	
#	X8710306	FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	2	2	
#	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2	
#	X8950215	RELOCATE EXISTING HANDHOLE	EACH	1	1	
#	XX003885	IRRIGATION SYSTEM	L SUM	1	1	
	XX003915	BRICK WALL	FOOT	23	23	
	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1	

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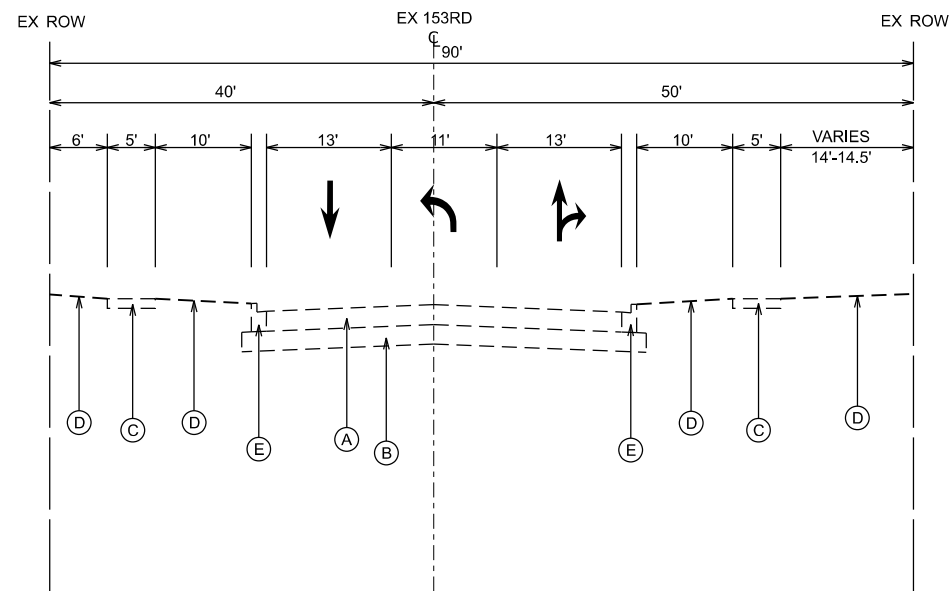
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

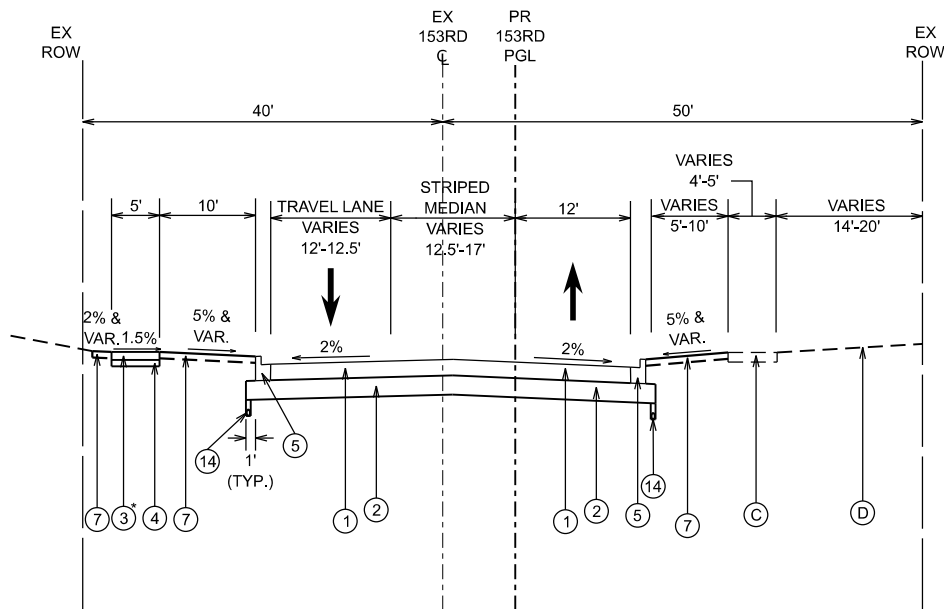
SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	10
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

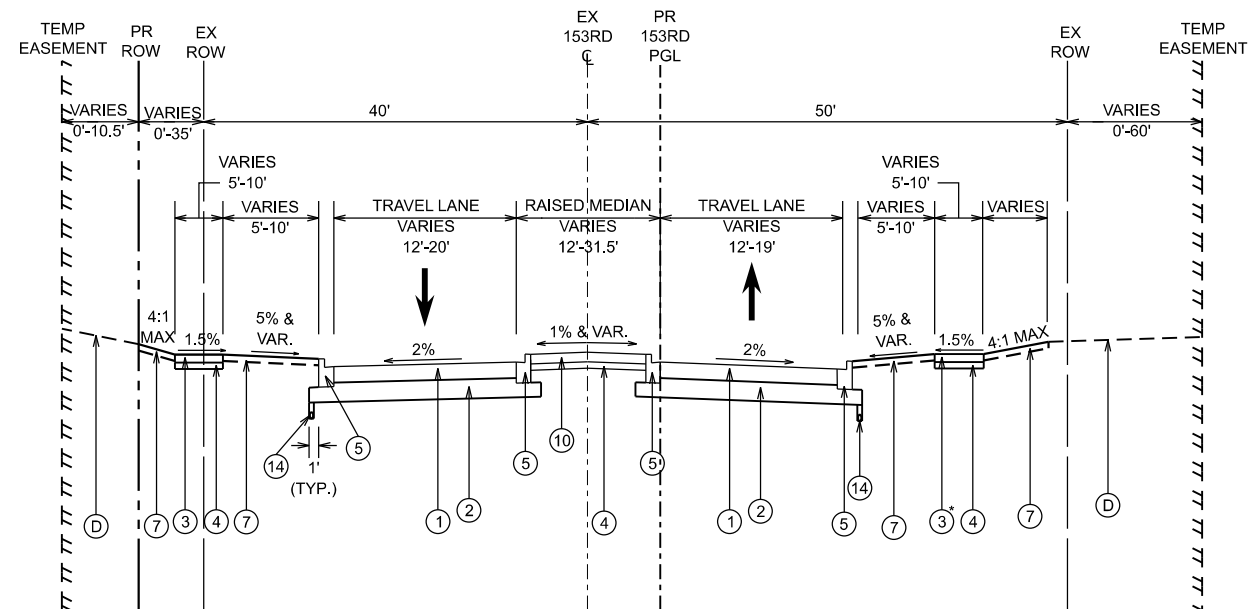


EXISTING TYPICAL SECTION
153RD STREET
 STA. 103+65.25 TO STA. 106+25.12



PROPOSED TYPICAL SECTION
153RD STREET
 STA. 103+65.25 TO STA. 104+86.87

*EX SIDEWALK STA. 103+65.25 TO STA. 104+71.14



PROPOSED TYPICAL SECTION
153RD STREET
 STA. 104+86.87 TO STA. 106+25.12

*EX SIDEWALK STA. 104+86.87 TO STA. 104+99.23

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	VOIDS	QMP
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"	4% @ 70 GYR	LR-1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 GYR	LR-1030-2
MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)	4% @ 50 GYR	LR-1030-2
PARKING LOT PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1.5"	4% @ 50 GYR	LR-1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"	4% @ 50 GYR	LR-1030-2
TEMPORARY PAVEMENT & TEMPORARY RAMP (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4" (IN 2 LIFTS)	4% @ 50 GYR	LR-1030-2

QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/QA) PER LR 1030-2.

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. A 4-INCH THICK PORTLAND CEMENT CONCRETE PAVEMENT MAY BE USED AS TEMPORARY PAVEMENT INSTEAD OF THE HOT-MIX ASPHALT OPTION SPECIFIED IN THE TABLE ABOVE. PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART.1020 OF THE STANDARD SPECIFICATIONS. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT, 7"
- (B) AGGREGATE BASE, 12" & VARIES
- (C) EXISTING SIDEWALK
- (D) EXISTING GROUND
- (E) CONCRETE CURB AND GUTTER, TYPE B-6.12
- (F) HOT-MIX ASPHALT PATH, 3"
- (G) HOT-MIX ASPHALT PAVEMENT, 10"

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- (7) TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- (9) AGGREGATE BASE COURSE, TYPE B, 6"
- (10) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 6"
- (11) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
- (12) TOPSOIL EXCAVATION AND PLACEMENT, 24"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 8"
- (14) PIPE UNDERDRAINS, TYPE 2, 4"

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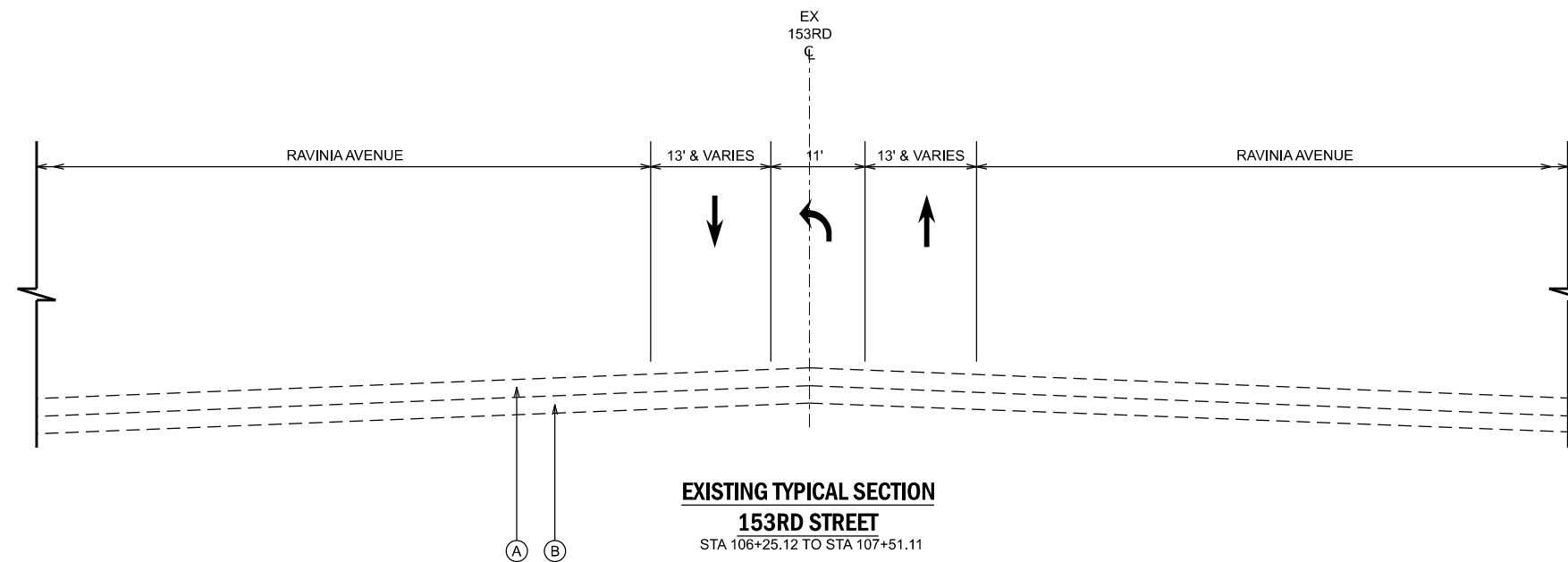
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

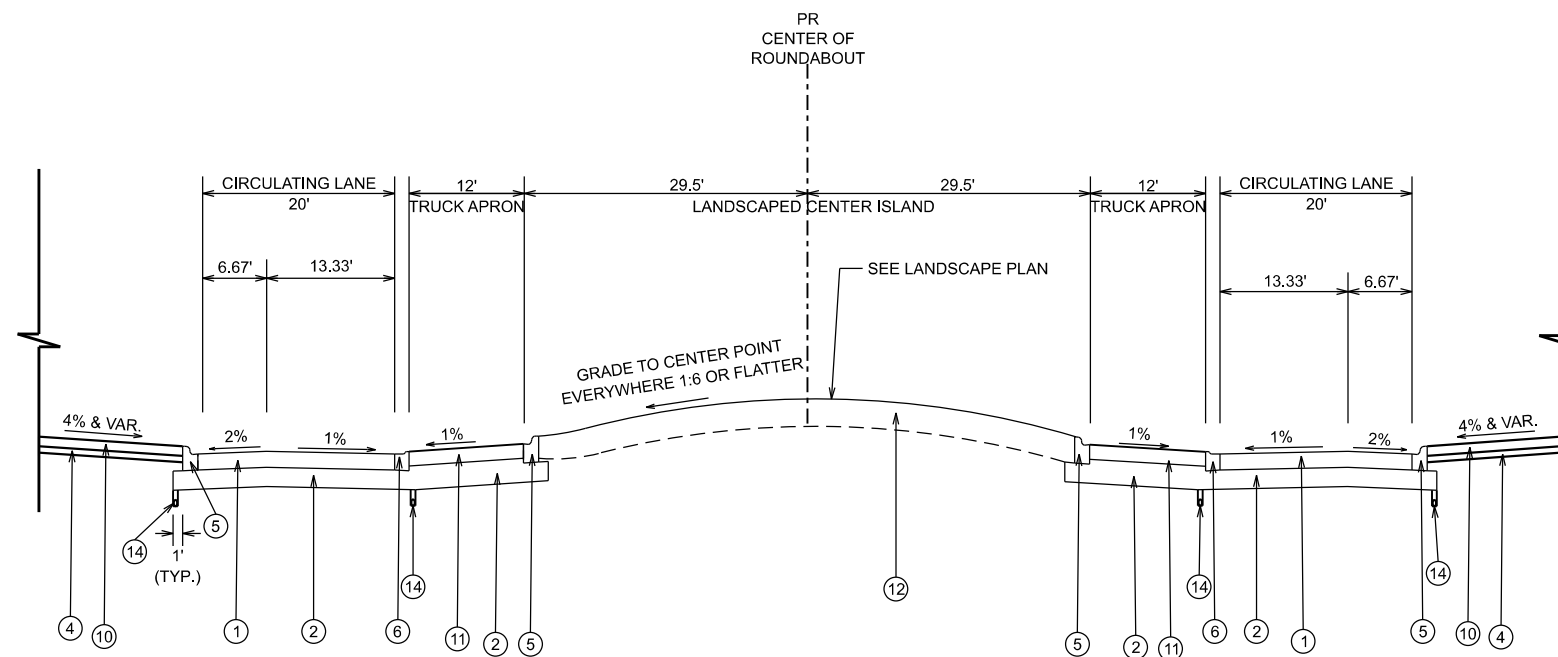
SCALE: NONE SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	12
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
153RD STREET
 STA 106+25.12 TO STA 107+51.11

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT, 7"
 - (B) AGGREGATE BASE, 12" & VARIES
 - (C) EXISTING SIDEWALK
 - (D) EXISTING GROUND
 - (E) CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (F) HOT-MIX ASPHALT PATH, 3"
 - (G) HOT-MIX ASPHALT PAVEMENT, 10"



PROPOSED TYPICAL SECTION
153RD STREET
 STA 106+25.12 TO STA 107+51.11

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"
 - (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - (4) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
 - (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (6) COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
 - (7) TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT
 - (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - (9) AGGREGATE BASE COURSE, TYPE B, 6"
 - (10) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 6"
 - (11) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
 - (12) TOPSOIL EXCAVATION AND PLACEMENT, 24"
 - (13) PORTLAND CEMENT CONCRETE SIDEWALK, 8"
 - (14) PIPE UNDERDRAINS, TYPE 2, 4"

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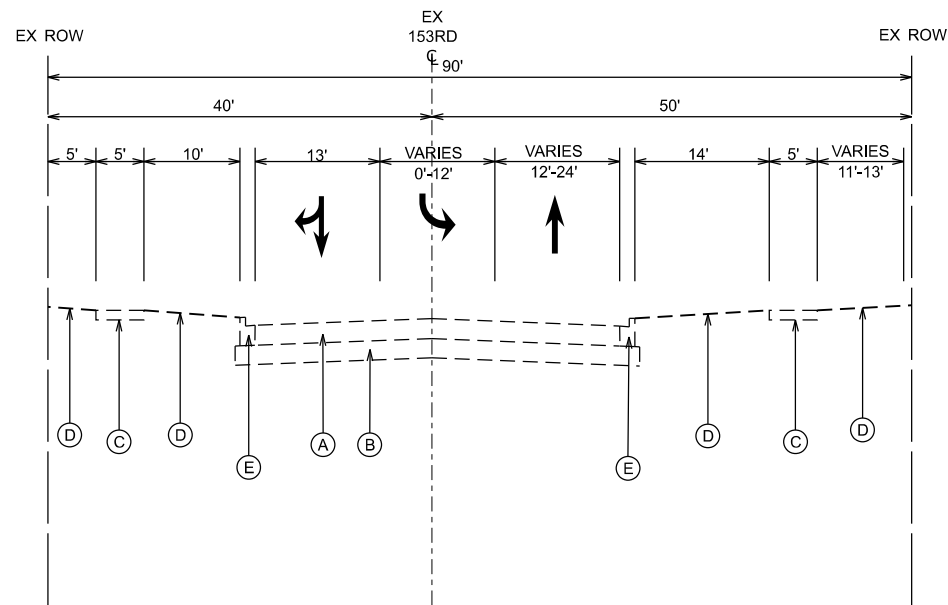
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PLOT DATE	4/3/2026				

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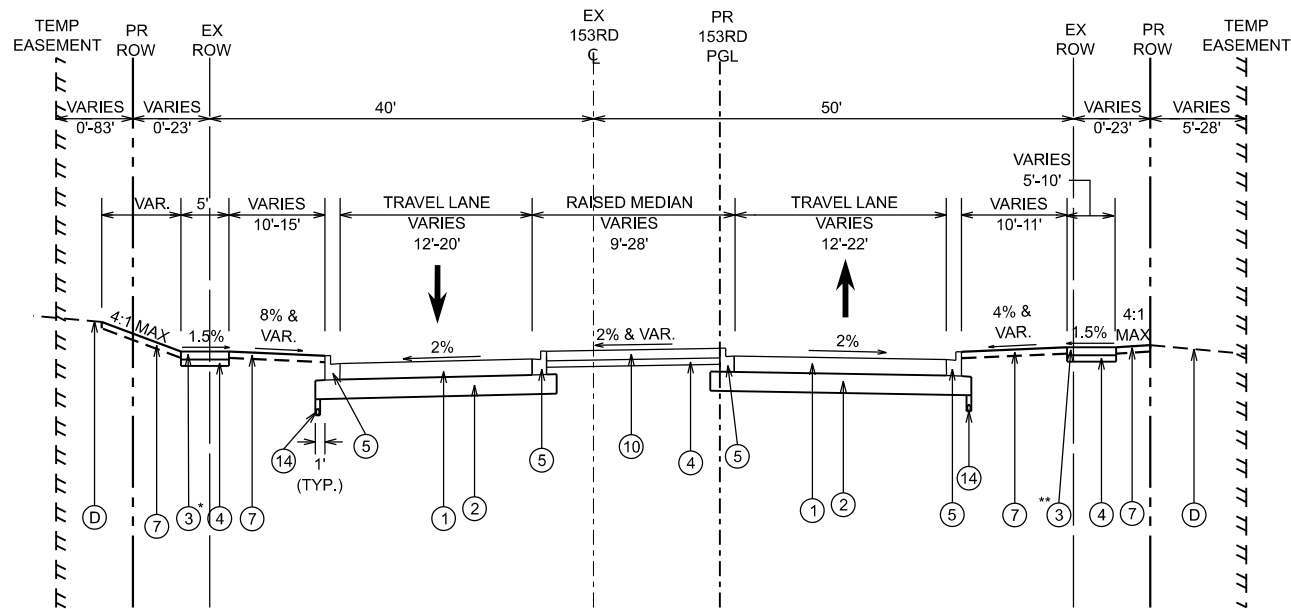
TYPICAL SECTIONS

SCALE: NONE SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



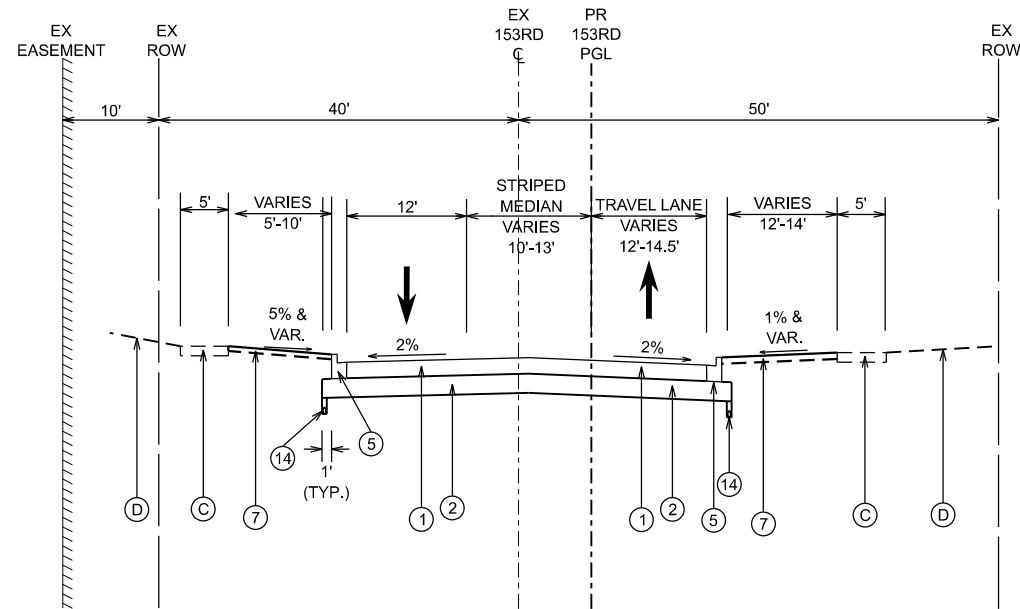
EXISTING TYPICAL SECTION
153RD STREET
 STA. 107+51.11 TO STA. 109+07.49



*EXISTING SIDEWALK
 STA. 108+23.71 TO STA. 108+52.94

PROPOSED TYPICAL SECTION
153RD STREET
 STA. 107+51.11 TO STA. 108+52.94

**EXISTING SIDEWALK
 STA. 108+13.57 TO STA. 108+52.94



PROPOSED TYPICAL SECTION
153RD STREET
 STA. 108+52.94 TO STA. 109+08.62

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT, 7"
- (B) AGGREGATE BASE, 12" & VARIES
- (C) EXISTING SIDEWALK
- (D) EXISTING GROUND
- (E) CONCRETE CURB AND GUTTER, TYPE B-6.12
- (F) HOT-MIX ASPHALT PATH, 3"
- (G) HOT-MIX ASPHALT PAVEMENT, 10"

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- (7) TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- (9) AGGREGATE BASE COURSE, TYPE B, 6"
- (10) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 6"
- (11) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
- (12) TOPSOIL EXCAVATION AND PLACEMENT, 24"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 8"
- (14) PIPE UNDERDRAINS, TYPE 2, 4"

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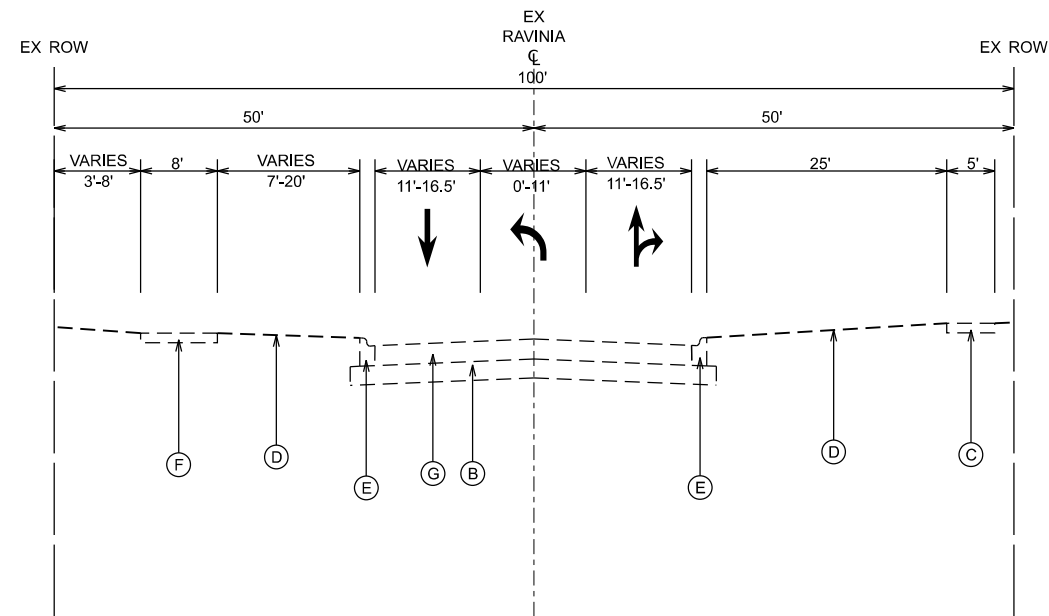
V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630 724 9200 phone
 www.v3co.com

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PLOT SCALE	-	DRAWN	-	REVISED	-
PLOT DATE	4/3/2026	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

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SCALE: NONE		SHEET 3 OF 6 SHEETS		STA.	TO STA.
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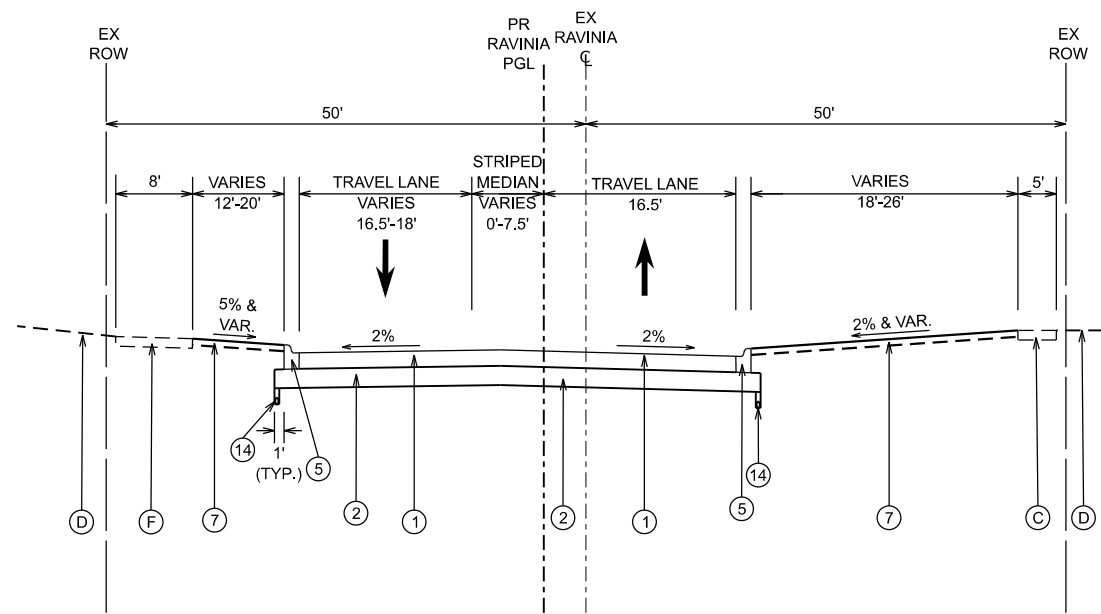
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CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



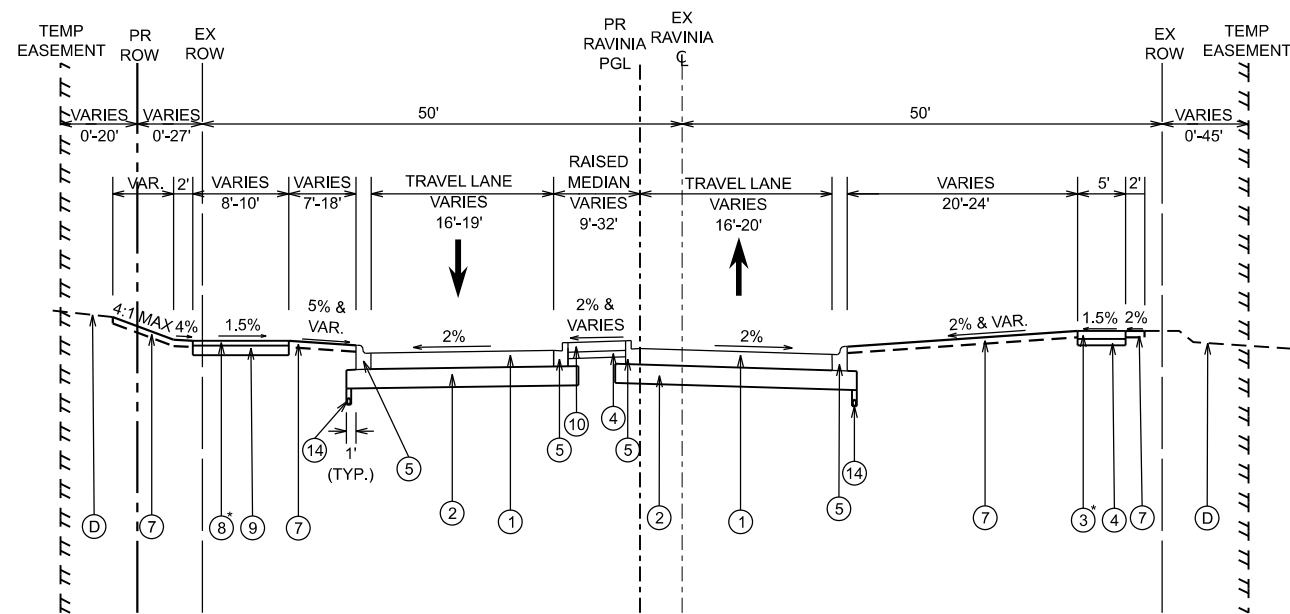
EXISTING TYPICAL SECTION
RAVINIA AVENUE
 STA. 207+51.58 TO STA. 209+87.89

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT, 7"
 - (B) AGGREGATE BASE, 12" & VARIES
 - (C) EXISTING SIDEWALK
 - (D) EXISTING GROUND
 - (E) CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (F) HOT-MIX ASPHALT PATH, 3"
 - (G) HOT-MIX ASPHALT PAVEMENT, 10"

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"
 - (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - (4) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
 - (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (6) COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
 - (7) TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT
 - (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - (9) AGGREGATE BASE COURSE, TYPE B, 6"
 - (10) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 6"
 - (11) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
 - (12) TOPSOIL EXCAVATION AND PLACEMENT, 24"
 - (13) PORTLAND CEMENT CONCRETE SIDEWALK, 8"
 - (14) PIPE UNDERDRAINS, TYPE 2, 4"



PROPOSED TYPICAL SECTION
RAVINIA AVENUE
 STA. 207+51.58 TO STA. 208+74.00



*EXISTING MULTI-USE PATH
 STA. 208+74.00 TO STA. 208+84.50

PROPOSED TYPICAL SECTION
RAVINIA AVENUE
 STA. 208+74.00 TO STA. 209+87.89

*EXISTING SIDEWALK
 STA. 208+74.00 TO STA. 209+30.20

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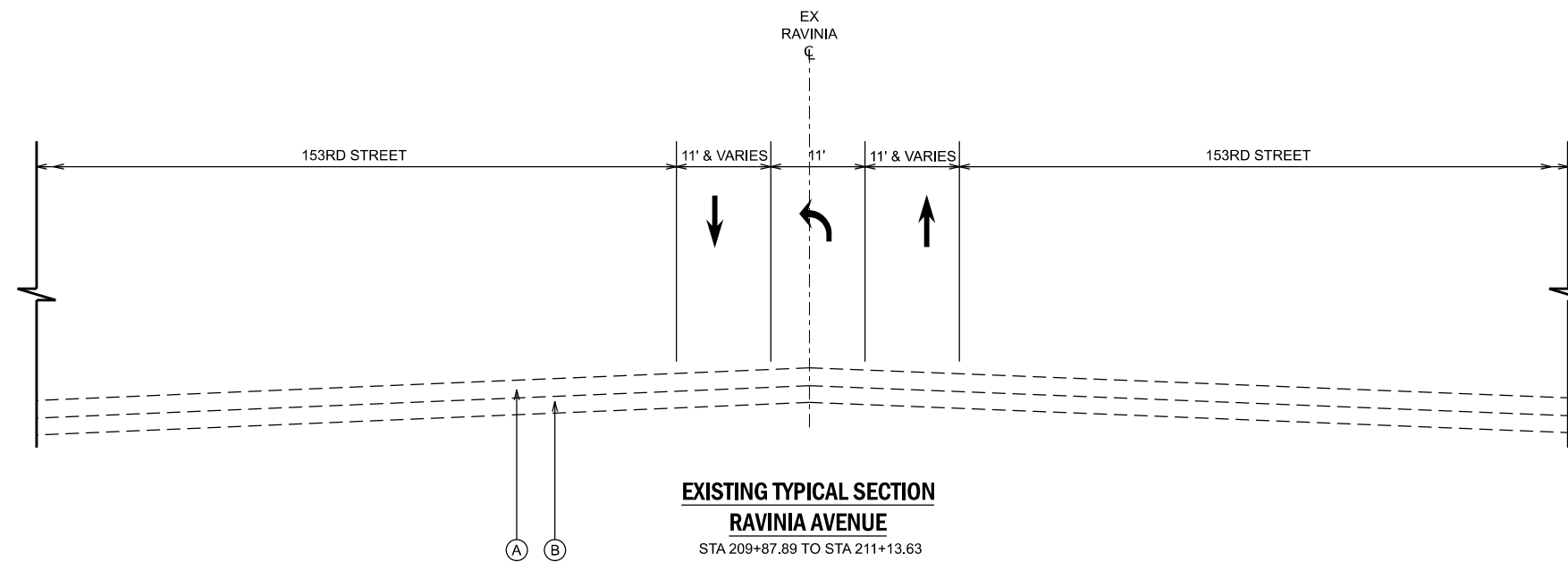


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PLOT DATE	4/3/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

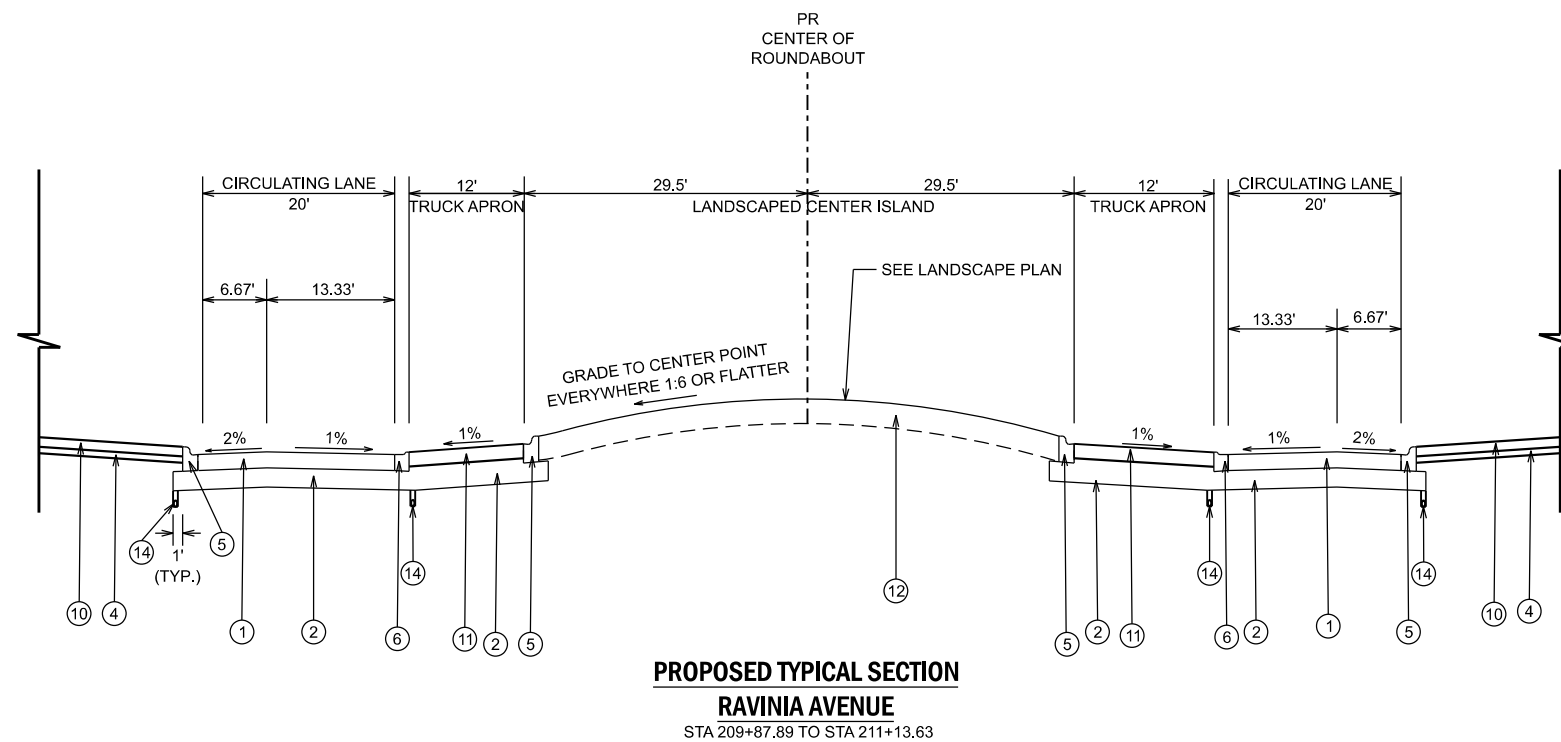
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		TYPICAL SECTIONS			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	15
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
RAVINIA AVENUE
 STA 209+87.89 TO STA 211+13.63

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT, 7"
 - (B) AGGREGATE BASE, 12" & VARIES
 - (C) EXISTING SIDEWALK
 - (D) EXISTING GROUND
 - (E) CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (F) HOT-MIX ASPHALT PATH, 3"
 - (G) HOT-MIX ASPHALT PAVEMENT, 10"



PROPOSED TYPICAL SECTION
RAVINIA AVENUE
 STA 209+87.89 TO STA 211+13.63

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"
 - (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - (4) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
 - (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (6) COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
 - (7) TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT
 - (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - (9) AGGREGATE BASE COURSE, TYPE B, 6"
 - (10) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 6"
 - (11) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
 - (12) TOPSOIL EXCAVATION AND PLACEMENT, 24"
 - (13) PORTLAND CEMENT CONCRETE SIDEWALK, 8"
 - (14) PIPE UNDERDRAINS, TYPE 2, 4"

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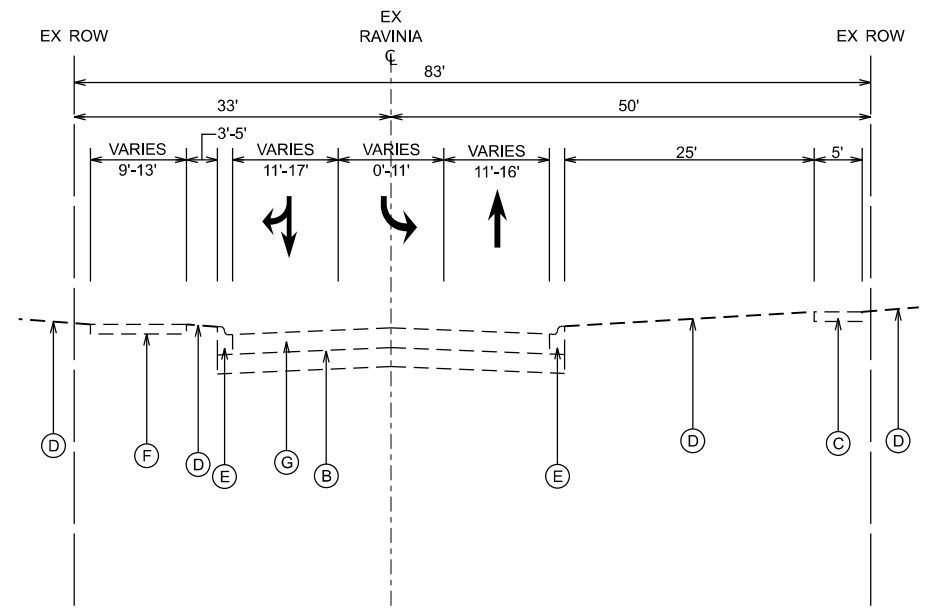
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE SHEET 5 OF 6 SHEETS STA. TO STA.

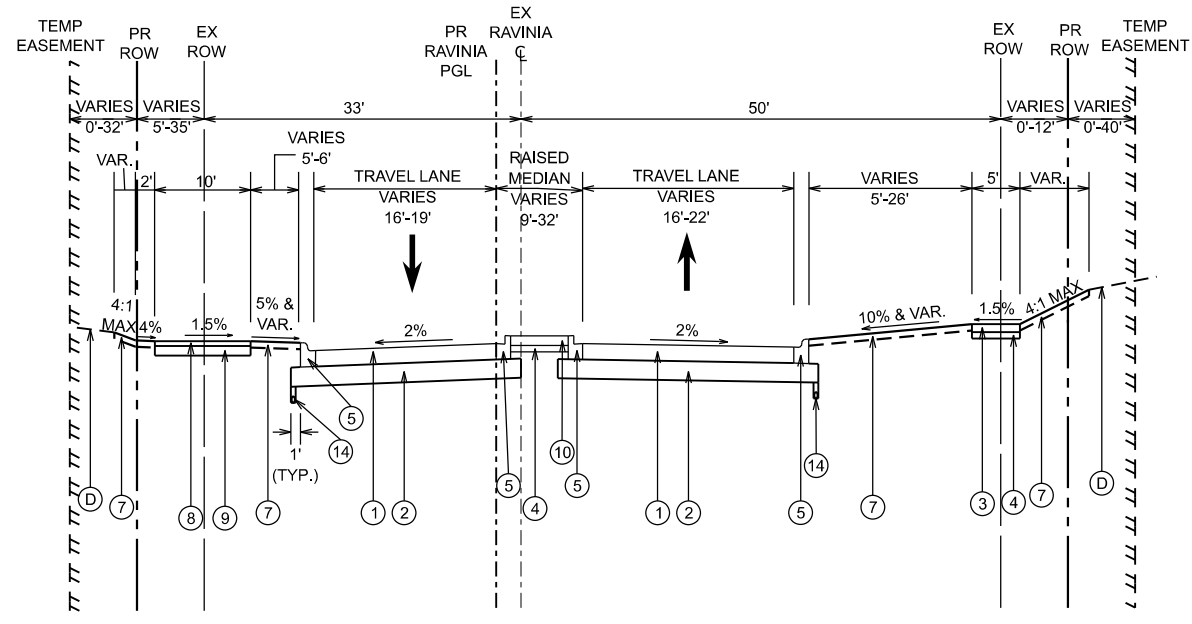
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1709	21-00088-00-CH	COOK	99	16
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



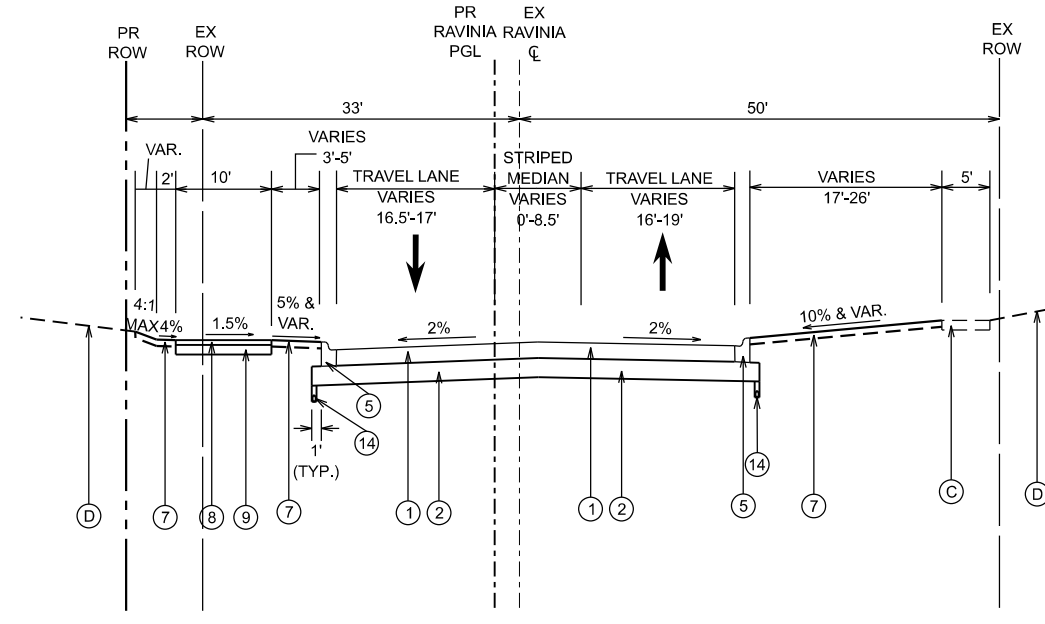
EXISTING TYPICAL SECTION
RAVINIA AVENUE
 STA. 211+13.63 TO STA. 212+86.86

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT, 7"
 - (B) AGGREGATE BASE, 12" & VARIES
 - (C) EXISTING SIDEWALK
 - (D) EXISTING GROUND
 - (E) CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (F) HOT-MIX ASPHALT PATH, 3"
 - (G) HOT-MIX ASPHALT PAVEMENT, 10"

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"
 - (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (3) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - (4) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
 - (5) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - (6) COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
 - (7) TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT
 - (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - (9) AGGREGATE BASE COURSE, TYPE B, 6"
 - (10) STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 6"
 - (11) STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
 - (12) TOPSOIL EXCAVATION AND PLACEMENT, 24"
 - (13) PORTLAND CEMENT CONCRETE SIDEWALK, 8"
 - (14) PIPE UNDERDRAINS, TYPE 2, 4"



PROPOSED TYPICAL SECTION
RAVINIA AVENUE
 STA. 211+13.63 TO STA. 211+78.71



PROPOSED TYPICAL SECTION
RAVINIA AVENUE
 STA. 211+78.71 TO STA. 212+88.19

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 SCALE: NONE SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	17
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

153RD STREET											
STATION	EARTHWORK AREAS (SQ FT)				EARTHWORK VOLUMES (CU YD)						
	CUT	FILL	TOPSOIL EXCAVATION STRIP DEPTH = 12"	TOPSOIL FILL DEPTH = 4"	CUT	CUT (ADJUSTED FOR 15% SHRINKAGE)	FILL	EARTHWORK BALANCE ADJUSTED CUT-FILL WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 12'	TOPSOIL FILL DEPTH = 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
104+00.00	53.75	14.43	19.75	6.47							
104+50.00	60.57	11.34	19.80	5.48	105.9	90.0	23.9	66.1	36.6	11.1	25.6
105+00.00	33.25	27.66	33.23	10.12	86.9	73.8	36.1	37.7	49.1	14.4	34.7
105+50.00	32.93	37.02	35.45	11.16	61.3	52.1	59.9	-7.8	63.6	19.7	43.9
106+00.00	83.77	15.52	59.32	5.29	108.1	91.8	48.6	43.2	87.7	15.2	72.5
ROUNDABOUT											
108+00.00	89.49	8.93	36.32	10.97							
108+50.00	63.71	16.47	24.24	8.74	141.9	120.6	23.5	97.1	56.1	18.2	37.8
109+00.00	58.04	13.07	21.65	7.40	112.7	95.8	27.4	68.5	42.5	14.9	27.6
153RD STREET TOTAL					617	525	220	305	336	94	242

UNDERCUTS					
STREET	LOCATION	25% PAVEMENT RECONSTRUCTION AREA	UNDERCUT DEPTH	UNDERCUTS	
		SQUARE FEET	FEET	CUBIC YARDS	
153RD STREET	WEST LEG	2,156	1	80	
	EAST LEG	1,252	1	46	
RAVINA AVENUE	NORTH LEG	1,493	1	55	
	SOUTH LEG	2,039	1	76	
ROUNDABOUT	CIRCLE/TRUCK APRON	3,161	1	117	
TOTAL					920

RAVINA AVENUE											
STATION	EARTHWORK AREAS (SQ FT)				EARTHWORK VOLUMES (CU YD)						
	CUT	FILL	TOPSOIL EXCAVATION STRIP DEPTH = 12"	TOPSOIL FILL DEPTH = 4"	CUT	CUT (ADJUSTED FOR 15% SHRINKAGE)	FILL	EARTHWORK BALANCE ADJUSTED CUT-FILL WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 12'	TOPSOIL FILL DEPTH = 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
208+00.00	39.89	32.46	43.82	14.06							
208+50.00	43.96	26.30	42.30	11.85	77.6	66.0	54.4	11.6	79.7	24.0	55.7
209+00.00	49.64	24.50	44.67	11.82	86.7	73.7	47.0	26.6	80.5	21.9	58.6
209+50.00	98.14	1.94	61.49	3.50	136.8	116.3	24.5	91.8	98.3	14.2	84.1
ROUNDABOUT											
211+50.00	105.89	4.18	58.50	9.02							
212+00.00	72.98	5.70	35.84	9.00	165.6	140.8	9.1	131.6	87.3	16.7	70.7
212+50.00	56.44	13.27	35.15	10.31	119.8	101.9	17.6	84.3	65.7	17.9	47.9
212+87.00	43.86	20.28	32.32	10.74	68.7	58.4	23.0	35.4	46.2	14.4	31.8
RAVINA AVENUE TOTAL					656	558	176	382	458	110	349

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION			
STREET	LOCATION	25% PAVEMENT RECONSTRUCTION AREA	25% PAVEMENT RECONSTRUCTION AREA
		SQUARE FEET	SQUARE YARDS
153RD STREET	WEST LEG	2,156	240
	EAST LEG	1,252	140
RAVINA AVENUE	NORTH LEG	1,493	166
	SOUTH LEG	2,039	227
ROUNDABOUT	CIRCLE/TRUCK APRON	3,161	352
TOTAL		12,500	1,389
TOTAL		5,200	578
TOTAL		3,092	

ROUNDABOUT											
STATION	EARTHWORK AREAS (SQ FT)				EARTHWORK VOLUMES (CU YD)						
	CUT	FILL	TOPSOIL EXCAVATION STRIP DEPTH = 12"	TOPSOIL FILL DEPTH = 24"	CUT	CUT (ADJUSTED FOR 15% SHRINKAGE)	FILL	EARTHWORK BALANCE ADJUSTED CUT-FILL WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 12'	TOPSOIL FILL DEPTH = 24"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
300+37.84	131.50	42.34	70.08	115.64							
301+05.34	124.87	58.70	68.12	112.04	640.9	544.8	252.6	292.2	345.5	569.2	-223.7
ROUNDABOUT TOTAL					641	545	253	293	346	570	-224

NOTE: STATIONS CORRESPOND TO TWO CROSS SECTIONS AT ROUNDABOUT. AVERAGE OF END AREAS FROM TWO ROUNDABOUT CROSS SECTIONS MULTIPLIED BY HALF THE LENGTH OF ROUNDABOUT ALIGNMENT (135') WAS USED TO CALCULATE ROUNDABOUT EARTHWORK VOLUMES.

EARTHWORK SUMMARY TABLE									
STREET	EARTHWORK VOLUMES (CU YD)								EARTHWORK VOLUMES (SQ YD)
	(1) CUT	(2) CUT (ADJUSTED FOR 15% SHRINKAGE)	(3) FILL	(4) EARTHWORK BALANCE ADJUSTED CUT-FILL WASTE (+) SHORTAGE (-)	(5) TOPSOIL EXCAVATION	(6) TOPSOIL FILL	(7) TOPSOIL BALANCE WASTE (+) SHORTAGE (-)	(8) UNDERCUTS	(9) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
153RD STREET	617	525	220	305	336	94	242	456	1769
RAVINA AVENUE	656	558	176	382	458	110	349	347	971
ROUNDABOUT	641	545	253	293	346	570	-224	117	352
TOTAL	1,914	1,628	649	980	1,140	774	367	920	3,092

EARTH EXCAVATION (20200100)	1,914	CU YD	EARTH EXCAVATION = COLUMN 1
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	1,287	CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = COLUMN 7 (IF WASTE) + COLUMN 8
TOPSOIL EXCAVATION AND PLACEMENT (21101505)	1,140	CU YD	TOPSOIL EXCAVATION AND PLACEMENT = COLUMN 5
AGGREGATE SUBGRADE IMPROVEMENT (30300001)	920	CU YD	AGGREGATE SUBGRADE IMPROVEMENT = COLUMN 8
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)	3,092	SQ YD	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION = COLUMN 9

NOTES:

- ANY SUITABLE EXCAVATED MATERIALS SHALL BE PAID FOR ONCE REGARDLESS OF BEING HAULED OFF OR USED ON SITE AS FILL. ANY ITEMS DEEMED AS UNACCEPTABLE SHALL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 202 OF THE IDOT STANDARD SPECIFICATIONS. QUANTITIES INCLUDE UNSUITABLE SUBGRADE MATERIAL REMOVED FOR UNDERCUTS. PER THE ROADWAY GEOTECHNICAL REPORT:
 - 25% OF THE PAVEMENT RECONSTRUCTION AREAS ARE ASSUMED TO REQUIRE UNDERCUT TREATMENT AT A 1 FOOT DEPTH.
 - IN ADDITION, UNDERCUTS AT A 1 FOOT DEPTH ARE ANTICIPATED ON RAVINA AVENUE FROM STATION 209+00 TO 210+25 AND ON 153RD STREET FROM STATION 107+00 TO 109+00.
- TOPSOIL TO BE STRIPPED SHALL BE STOCKPILED, STORED, AND REUSED FOR THE PROPOSED LANDSCAPING IMPROVEMENTS. THE STOCKPILE SHALL BE LOCATED WITHIN THE ROW. A 12" TOPSOIL THICKNESS WAS USED IN QUANTITY CALCULATIONS FOR TOPSOIL EXCAVATION AND PLACEMENT ITEM BASED ON RECOMMENDATIONS FROM THE ROADWAY GEOTECHNICAL REPORT. THE ACTUAL TOPSOIL REMOVAL DEPTH SHALL BE VERIFIED IN THE FIELD. A QUANTITY OF TOPSOIL FURNISH AND PLACE, 4" HAS BEEN INCLUDED IF ADDITIONAL TOPSOIL IS NEEDED.
- ADDITIONAL TOPSOIL FOR THE CENTRAL ROUNDABOUT AREA SHALL BE PAID FOR AS TOPSOIL FURNISH AND PLACE, 24".
- FILL AREAS DO NOT INCLUDE AREA OF PROPOSED TOPSOIL.
- A 15% SHRINKAGE FACTOR WAS USED IN EARTHWORK BALANCE CALCULATIONS.

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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	18
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

BENCHMARK

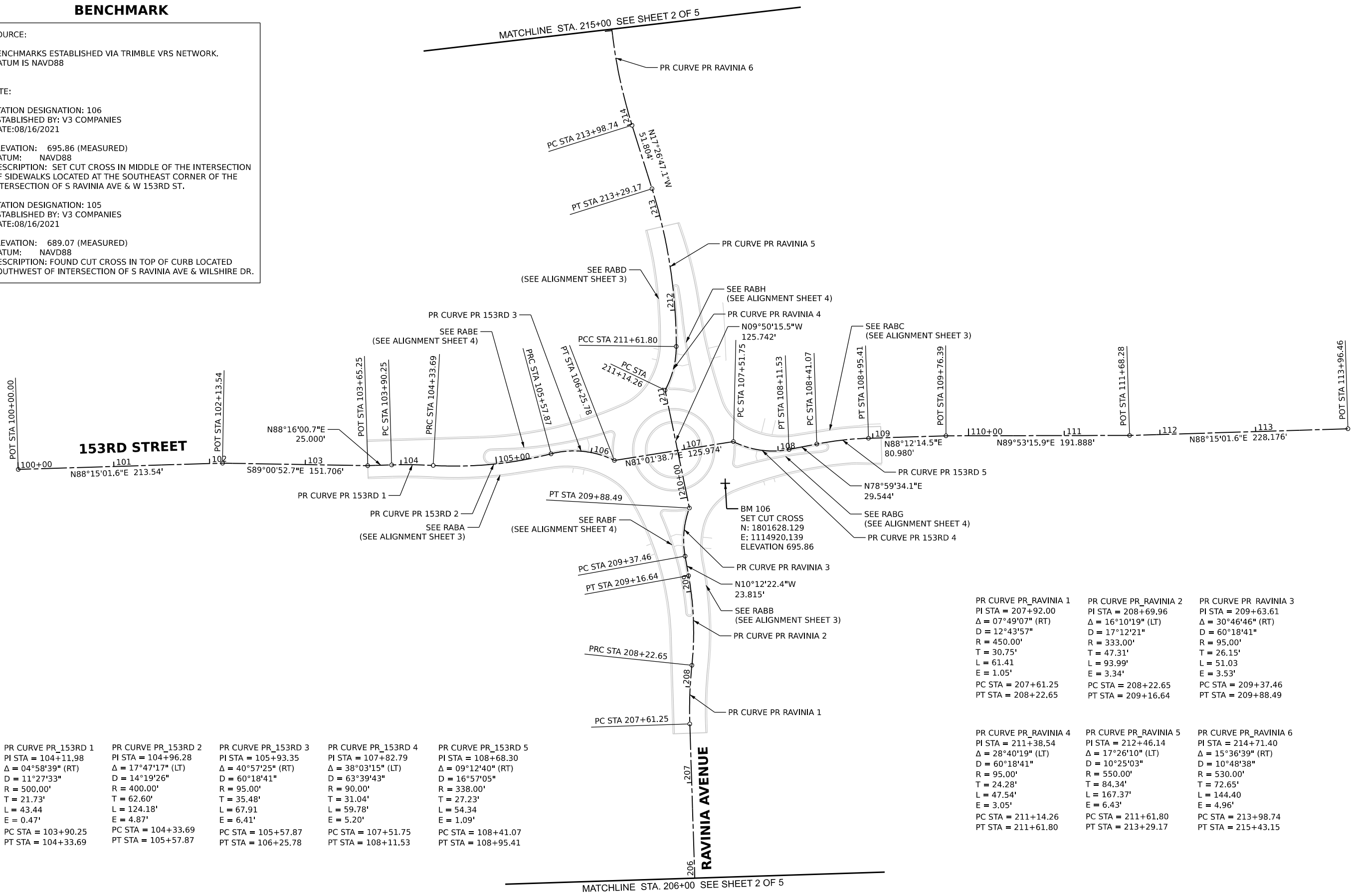
SOURCE:
 BENCHMARKS ESTABLISHED VIA TRIMBLE VRS NETWORK.
 DATUM IS NAVD88

SITE:
 STATION DESIGNATION: 106
 ESTABLISHED BY: V3 COMPANIES
 DATE:08/16/2021

ELEVATION: 695.86 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: SET CUT CROSS IN MIDDLE OF THE INTERSECTION
 OF SIDEWALKS LOCATED AT THE SOUTHEAST CORNER OF THE
 INTERSECTION OF S RAVINIA AVE & W 153RD ST.

STATION DESIGNATION: 105
 ESTABLISHED BY: V3 COMPANIES
 DATE:08/16/2021

ELEVATION: 689.07 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: FOUND CUT CROSS IN TOP OF CURB LOCATED
 SOUTHWEST OF INTERSECTION OF S RAVINIA AVE & WILSHIRE DR.



PR CURVE PR_153RD 1 PI STA = 104+11.98 Δ = 04°58'39" (RT) D = 11°27'33" R = 500.00' T = 21.73' L = 43.44 E = 0.47' PC STA = 103+90.25 PT STA = 104+33.69	PR CURVE PR_153RD 2 PI STA = 104+96.28 Δ = 17°47'17" (LT) D = 14°19'26" R = 400.00' T = 62.60' L = 124.18' E = 4.87' PC STA = 104+33.69 PT STA = 105+57.87	PR CURVE PR_153RD 3 PI STA = 105+93.35 Δ = 40°57'25" (RT) D = 60°18'41" R = 95.00' T = 35.48' L = 67.91 E = 6.41' PC STA = 105+57.87 PT STA = 106+25.78	PR CURVE PR_153RD 4 PI STA = 107+82.79 Δ = 38°03'15" (LT) D = 63°39'43" R = 90.00' T = 31.04' L = 59.78' E = 5.20' PC STA = 107+51.75 PT STA = 108+11.53	PR CURVE PR_153RD 5 PI STA = 108+68.30 Δ = 09°12'40" (RT) D = 16°57'05" R = 338.00' T = 27.23' L = 54.34 E = 1.09' PC STA = 108+41.07 PT STA = 108+95.41
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PR CURVE PR_RAVINIA 1 PI STA = 207+92.00 Δ = 07°49'07" (RT) D = 12°43'57" R = 450.00' T = 30.75' L = 61.41 E = 1.05' PC STA = 207+61.25 PT STA = 208+22.65	PR CURVE PR_RAVINIA 2 PI STA = 208+69.96 Δ = 16°10'19" (LT) D = 17°12'21" R = 333.00' T = 47.31' L = 93.99' E = 3.34' PC STA = 208+22.65 PT STA = 209+16.64	PR CURVE PR_RAVINIA 3 PI STA = 209+63.61 Δ = 30°46'46" (RT) D = 60°18'41" R = 95.00' T = 26.15' L = 51.03 E = 3.53' PC STA = 209+37.46 PT STA = 209+88.49
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PR CURVE PR_RAVINIA 4 PI STA = 211+38.54 Δ = 28°40'19" (LT) D = 60°18'41" R = 95.00' T = 24.28' L = 47.54' E = 3.05' PC STA = 211+14.26 PT STA = 211+61.80	PR CURVE PR_RAVINIA 5 PI STA = 212+46.14 Δ = 17°26'10" (LT) D = 10°25'03" R = 550.00' T = 84.34' L = 167.37' E = 6.43' PC STA = 211+61.80 PT STA = 213+29.17	PR CURVE PR_RAVINIA 6 PI STA = 214+71.40 Δ = 15°36'39" (RT) D = 10°48'38" R = 530.00' T = 72.65' L = 144.40 E = 4.96' PC STA = 213+98.74 PT STA = 215+43.15
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MODEL: Default FILE NAME: N:\2022\211000\Drawings\Main\CAD - Sheets\211000-sha-113.dwg



V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630 724 9200 phone
 www.v3co.com

USER NAME = cbautista	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 4/3/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN
 RAVINIA AVENUE AND 153RD STREET

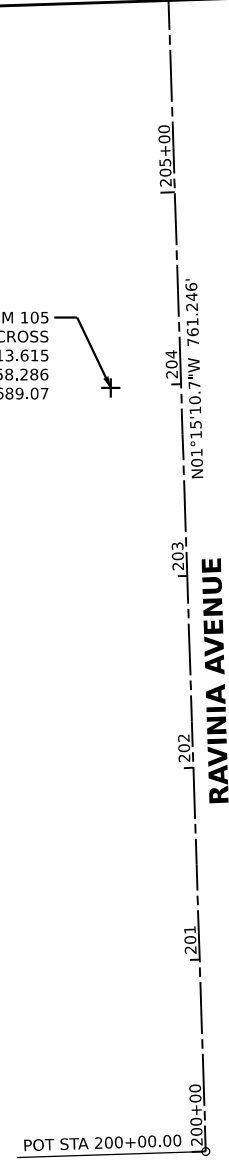
SCALE: 1"=50' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	19
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 206+00 SEE SHEET 2 OF 5

BM 105
 FOUND CUT CROSS
 N: 1801013.615
 E: 1114858.286
 ELEVATION 689.07



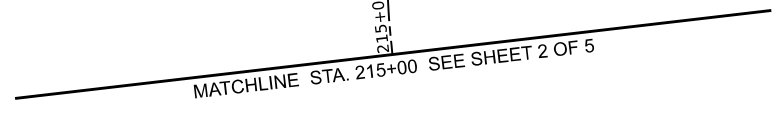
RAVINIA AVENUE

POT STA 219+40.48

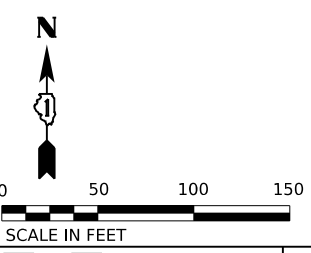


RAVINIA AVENUE

PT STA 215+43.15



MATCHLINE STA. 215+00 SEE SHEET 2 OF 5



MODEL: Default
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USER NAME	cbautista	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN
RAVINA AVENUE AND 153RD STREET

SCALE: 1"=50" SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	20
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

PR CURVE RABD 1
PI STA = 700+17.91
Δ = 04°14'45" (RT)
D = 11°51'28"
R = 483.20'
T = 17.91'
L = 35.81
E = 0.33'
PC STA = 700+00.00
PT STA = 700+35.81

PR CURVE RABD 2
PI STA = 700+77.34
Δ = 09°49'10" (RT)
D = 11°51'01"
R = 483.50'
T = 41.53'
L = 82.86
E = 1.78'
PC STA = 700+35.81
PT STA = 701+18.67

PR CURVE RABD 3
PI STA = 701+42.46
Δ = 33°06'54" (RT)
D = 71°37'11"
R = 80.00'
T = 23.78'
L = 46.24
E = 3.46'
PC STA = 701+18.67
PT STA = 701+64.91

PR CURVE RABD 4
PI STA = 701+81.44
Δ = 30°38'20" (RT)
D = 94°56'35"
R = 60.35'
T = 16.53'
L = 32.27
E = 2.22'
PC STA = 701+64.91
PT STA = 701+97.18

PR CURVE RABD 5
PI STA = 702+76.58
Δ = 22°27'19" (RT)
D = 14°19'26"
R = 400.00'
T = 79.40'
L = 156.77
E = 7.80'
PC STA = 701+97.18
PT STA = 703+53.95

PR CURVE RABC 1
PI STA = 600+35.34
Δ = 07°14'05" (LT)
D = 16°22'13"
R = 350.00'
T = 22.13'
L = 44.19'
E = 0.70'
PC STA = 600+13.21
PT STA = 600+57.40

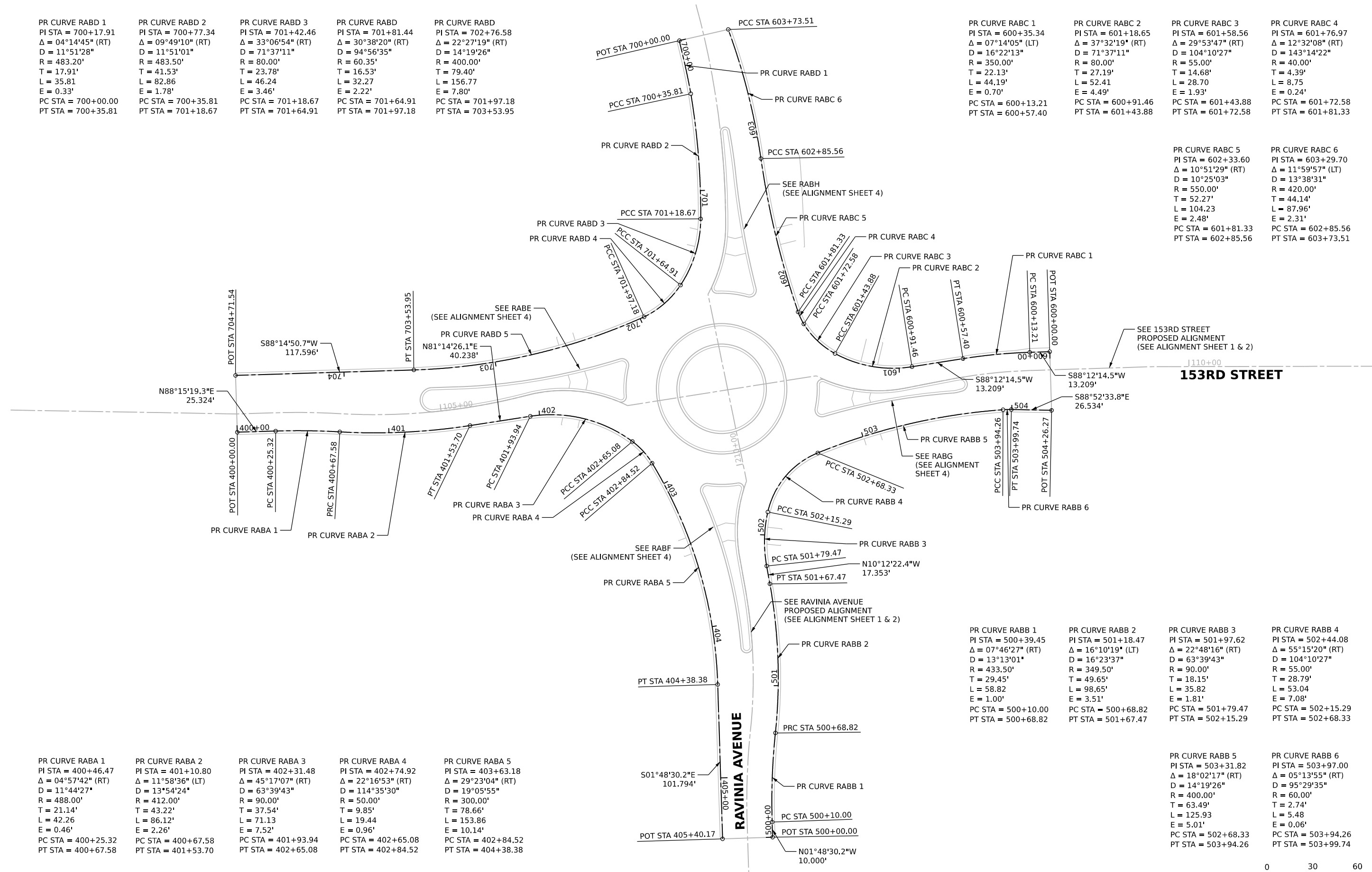
PR CURVE RABC 2
PI STA = 601+18.65
Δ = 37°32'19" (RT)
D = 71°37'11"
R = 80.00'
T = 27.19'
L = 52.41
E = 4.49'
PC STA = 600+91.46
PT STA = 601+43.88

PR CURVE RABC 3
PI STA = 601+58.56
Δ = 29°53'47" (RT)
D = 104°10'27"
R = 55.00'
T = 14.68'
L = 28.70
E = 1.93'
PC STA = 601+43.88
PT STA = 601+72.58

PR CURVE RABC 4
PI STA = 601+76.97
Δ = 12°32'08" (RT)
D = 143°14'22"
R = 40.00'
T = 4.39'
L = 8.75
E = 0.24'
PC STA = 601+72.58
PT STA = 601+81.33

PR CURVE RABC 5
PI STA = 602+33.60
Δ = 10°51'29" (RT)
D = 10°25'03"
R = 550.00'
T = 52.27'
L = 104.23
E = 2.48'
PC STA = 601+81.33
PT STA = 602+85.56

PR CURVE RABC 6
PI STA = 603+29.70
Δ = 11°59'57" (LT)
D = 13°38'31"
R = 420.00'
T = 44.14'
L = 87.96'
E = 2.31'
PC STA = 602+85.56
PT STA = 603+73.51



PR CURVE RABA 1
PI STA = 400+46.47
Δ = 04°57'42" (RT)
D = 11°44'27"
R = 488.00'
T = 21.14'
L = 42.26
E = 0.46'
PC STA = 400+25.32
PT STA = 400+67.58

PR CURVE RABA 2
PI STA = 401+10.80
Δ = 11°58'36" (LT)
D = 13°54'24"
R = 412.00'
T = 43.22'
L = 86.12'
E = 2.26'
PC STA = 400+67.58
PT STA = 401+53.70

PR CURVE RABA 3
PI STA = 402+31.48
Δ = 45°17'07" (RT)
D = 63°39'43"
R = 90.00'
T = 37.54'
L = 71.13
E = 7.52'
PC STA = 401+93.94
PT STA = 402+65.08

PR CURVE RABA 4
PI STA = 402+74.92
Δ = 22°16'53" (RT)
D = 114°35'30"
R = 50.00'
T = 9.85'
L = 19.44
E = 0.96'
PC STA = 402+65.08
PT STA = 402+84.52

PR CURVE RABA 5
PI STA = 403+63.18
Δ = 29°23'04" (RT)
D = 19°05'55"
R = 300.00'
T = 78.66'
L = 153.86
E = 10.14'
PC STA = 402+84.52
PT STA = 404+38.38

PR CURVE RABB 1
PI STA = 500+39.45
Δ = 07°46'27" (RT)
D = 13°13'01"
R = 433.50'
T = 29.45'
L = 58.82
E = 1.00'
PC STA = 500+10.00
PT STA = 500+68.82

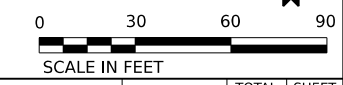
PR CURVE RABB 2
PI STA = 501+18.47
Δ = 16°10'19" (LT)
D = 16°23'37"
R = 349.50'
T = 49.65'
L = 98.65'
E = 3.51'
PC STA = 500+68.82
PT STA = 501+67.47

PR CURVE RABB 3
PI STA = 501+97.62
Δ = 22°48'16" (RT)
D = 63°39'43"
R = 90.00'
T = 18.15'
L = 35.82
E = 1.81'
PC STA = 501+79.47
PT STA = 502+15.29

PR CURVE RABB 4
PI STA = 502+44.08
Δ = 55°15'20" (RT)
D = 104°10'27"
R = 55.00'
T = 28.79'
L = 53.04
E = 7.08'
PC STA = 502+15.29
PT STA = 502+68.33

PR CURVE RABB 5
PI STA = 503+31.82
Δ = 18°02'17" (RT)
D = 14°19'26"
R = 400.00'
T = 63.49'
L = 125.93
E = 5.01'
PC STA = 502+68.33
PT STA = 503+94.26

PR CURVE RABB 6
PI STA = 503+97.00
Δ = 05°13'55" (RT)
D = 95°29'35"
R = 60.00'
T = 2.74'
L = 5.48
E = 0.06'
PC STA = 503+94.26
PT STA = 503+99.74



MODEL: Default
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USER NAME	cbautista	DESIGNED	-	REVISED	-
PLOT SCALE	=	DRAWN	-	REVISED	-
PLOT DATE	= 4/3/2026	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
ROUNDBOUT OUTSIDE CURBS**

SCALE: 1"=30" SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	21
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

PR CURVE RABE 1
PI STA = 800+23.75
Δ = 02°18'22" (LT)
D = 19°05'55"
R = 300.00'
T = 6.04'
L = 12.07'
E = 0.06'
PC STA = 800+17.71
PT STA = 800+29.79

PR CURVE RABE 2
PI STA = 800+78.01
Δ = 13°15'26" (LT)
D = 13°48'22"
R = 415.00'
T = 48.23'
L = 96.02'
E = 2.79'
PC STA = 800+29.79
PT STA = 801+25.81

PR CURVE RABE 3
PI STA = 801+33.69
Δ = 120°31'52" (RT)
D = 193°14'22"
R = 4.50'
T = 7.88'
L = 9.47
E = 4.57'
PC STA = 801+25.81
PT STA = 801+35.28

PR CURVE RABE 4
PI STA = 801+45.12
Δ = 17°46'17" (LT)
D = 90°56'44"
R = 63.00'
T = 9.85'
L = 19.54'
E = 0.77'
PC STA = 801+35.28
PT STA = 801+54.82

PR CURVE RABE 5
PI STA = 801+60.55
Δ = 117°14'29" (RT)
D = 197°01'20"
R = 3.50'
T = 5.74'
L = 7.16
E = 3.22'
PC STA = 801+54.82
PT STA = 801+61.98

PR CURVE RABE 6
PI STA = 801+92.52
Δ = 35°30'30" (LT)
D = 60°03'42"
R = 95.40'
T = 30.54'
L = 59.12'
E = 4.77'
PC STA = 801+61.98
PT STA = 802+21.10

PR CURVE RABE 7
PI STA = 802+53.90
Δ = 09°22'29" (RT)
D = 14°19'26"
R = 400.00'
T = 32.80'
L = 65.45
E = 1.34'
PC STA = 802+21.10
PT STA = 802+86.55

PR CURVE RABE 8
PI STA = 805+28.30
Δ = 183°47'26" (RT)
D = 356°11'50"
R = 8.00'
T = 241.76'
L = 25.66
E = 233.89'
PC STA = 802+86.55
PT STA = 803+12.21

PR CURVE RAB-IN-EOP
PI STA = 300+00.00
Δ = 359°59'44" (RT)
D = 133°14'46"
R = 43.00'
T = 0.00'
L = 270.17
E = 0.00'
PC STA = 300+00.00
PT STA = 302+70.17

PR CURVE RABF 1
PI STA = 900+53.38
Δ = 19°14'14" (LT)
D = 18°11'21"
R = 315.00'
T = 53.38'
L = 105.76'
E = 4.49'
PC STA = 900+00.00
PT STA = 901+05.76

PR CURVE RABF 2
PI STA = 901+13.91
Δ = 122°10'03" (RT)
D = 193°14'22"
R = 4.50'
T = 8.15'
L = 9.60
E = 4.81'
PC STA = 901+05.76
PT STA = 901+15.36

PR CURVE RABF 3
PI STA = 901+25.17
Δ = 17°42'38" (LT)
D = 90°56'44"
R = 63.00'
T = 9.82'
L = 19.47'
E = 0.76'
PC STA = 901+15.36
PT STA = 901+34.83

PR CURVE RABF 4
PI STA = 901+40.49
Δ = 116°32'31" (RT)
D = 197°01'20"
R = 3.50'
T = 5.66'
L = 7.12
E = 3.16'
PC STA = 901+34.83
PT STA = 901+41.95

PR CURVE RABF 5
PI STA = 901+64.85
Δ = 27°06'35" (LT)
D = 60°18'41"
R = 95.00'
T = 22.90'
L = 44.95'
E = 2.72'
PC STA = 901+41.95
PT STA = 901+86.90

PR CURVE RABF 6
PI STA = 902+27.19
Δ = 06°41'44" (RT)
D = 17°12'21"
R = 333.00'
T = 19.48'
L = 38.91
E = 0.57'
PC STA = 902+07.71
PT STA = 902+46.63

PR CURVE RABF 7
PI STA = 904+73.40
Δ = 178°06'19" (RT)
D = 87°53'15"
R = 3.75'
T = 226.77'
L = 11.66
E = 223.05'
PC STA = 902+46.63
PT STA = 902+58.29

PR CURVE RABH 1
PI STA = 1100+30.75
Δ = 06°24'03" (RT)
D = 10°25'03"
R = 550.00'
T = 30.75'
L = 61.44
E = 0.86'
PC STA = 1100+00.00
PT STA = 1100+61.44

PR CURVE RABH 2
PI STA = 1100+82.41
Δ = 24°53'16" (RT)
D = 60°18'41"
R = 95.00'
T = 20.96'
L = 41.27
E = 2.29'
PC STA = 1100+61.44
PT STA = 1101+02.71

PR CURVE RABH 3
PI STA = 1101+08.48
Δ = 117°29'41" (LT)
D = 197°01'20"
R = 3.50'
T = 5.77'
L = 7.18'
E = 3.25'
PC STA = 1101+02.71
PT STA = 1101+09.89

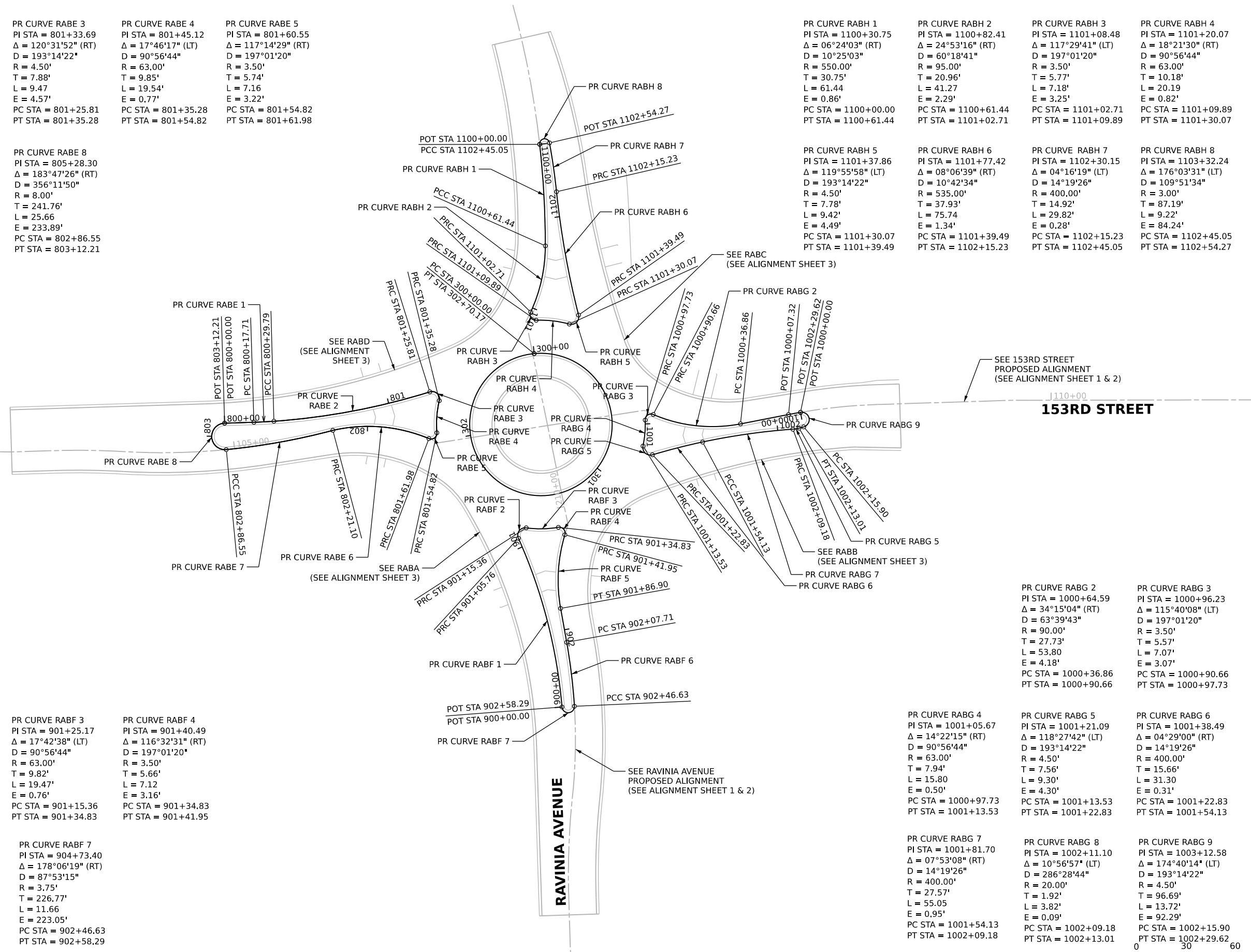
PR CURVE RABH 4
PI STA = 1101+20.07
Δ = 18°21'30" (RT)
D = 90°56'44"
R = 63.00'
T = 10.18'
L = 20.19
E = 0.82'
PC STA = 1101+09.89
PT STA = 1101+30.07

PR CURVE RABH 5
PI STA = 1101+37.86
Δ = 119°55'58" (LT)
D = 193°14'22"
R = 4.50'
T = 7.78'
L = 9.42'
E = 4.49'
PC STA = 1101+30.07
PT STA = 1101+39.49

PR CURVE RABH 6
PI STA = 1101+77.42
Δ = 08°06'39" (RT)
D = 10°42'34"
R = 535.00'
T = 37.93'
L = 75.74
E = 1.34'
PC STA = 1101+39.49
PT STA = 1102+15.23

PR CURVE RABH 7
PI STA = 1102+30.15
Δ = 04°16'19" (LT)
D = 14°19'26"
R = 400.00'
T = 14.92'
L = 29.82'
E = 0.28'
PC STA = 1102+15.23
PT STA = 1102+45.05

PR CURVE RABH 8
PI STA = 1103+32.24
Δ = 176°03'31" (LT)
D = 109°51'34"
R = 3.00'
T = 87.19'
L = 9.22'
E = 84.24'
PC STA = 1102+45.05
PT STA = 1102+54.27



PR CURVE RABG 2
PI STA = 1000+64.59
Δ = 34°15'04" (RT)
D = 63°39'43"
R = 90.00'
T = 27.73'
L = 53.80
E = 4.18'
PC STA = 1000+36.86
PT STA = 1000+90.66

PR CURVE RABG 3
PI STA = 1000+96.23
Δ = 115°40'08" (LT)
D = 197°01'20"
R = 3.50'
T = 5.57'
L = 7.07'
E = 3.07'
PC STA = 1000+90.66
PT STA = 1000+97.73

PR CURVE RABG 4
PI STA = 1001+05.67
Δ = 14°22'15" (RT)
D = 90°56'44"
R = 63.00'
T = 7.94'
L = 15.80
E = 0.50'
PC STA = 1000+97.73
PT STA = 1001+13.53

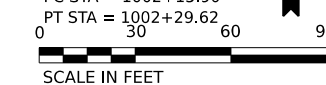
PR CURVE RABG 5
PI STA = 1001+21.09
Δ = 118°27'42" (LT)
D = 193°14'22"
R = 4.50'
T = 7.94'
L = 9.30'
E = 4.30'
PC STA = 1001+13.53
PT STA = 1001+22.83

PR CURVE RABG 6
PI STA = 1001+38.49
Δ = 04°29'00" (RT)
D = 14°19'26"
R = 400.00'
T = 15.66'
L = 31.30
E = 0.31'
PC STA = 1001+22.83
PT STA = 1001+54.13

PR CURVE RABG 7
PI STA = 1001+81.70
Δ = 07°53'08" (RT)
D = 14°19'26"
R = 400.00'
T = 27.57'
L = 55.05
E = 0.95'
PC STA = 1001+54.13
PT STA = 1002+09.18

PR CURVE RABG 8
PI STA = 1002+11.10
Δ = 10°56'57" (LT)
D = 286°28'44"
R = 20.00'
T = 1.92'
L = 3.82'
E = 0.09'
PC STA = 1002+09.18
PT STA = 1002+13.01

PR CURVE RABG 9
PI STA = 1003+12.58
Δ = 174°40'14" (LT)
D = 193°14'22"
R = 4.50'
T = 96.69'
L = 13.72'
E = 92.29'
PC STA = 1002+13.01
PT STA = 1002+29.62



CP BMC 102

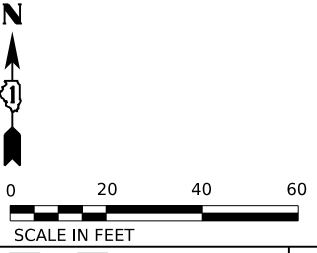
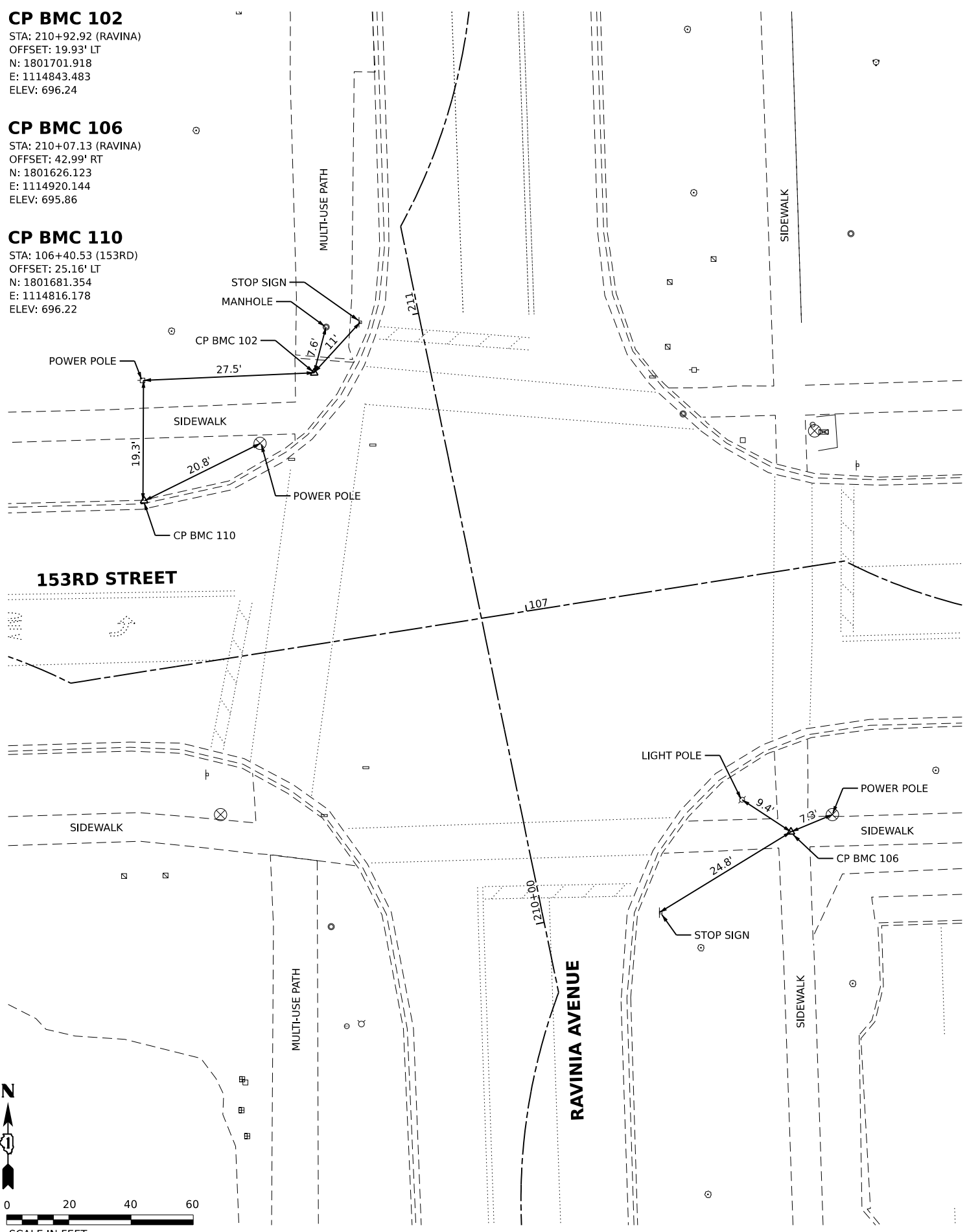
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 ELEV: 696.24

CP BMC 106

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 OFFSET: 42.99' RT
 N: 1801626.123
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 ELEV: 695.86

CP BMC 110

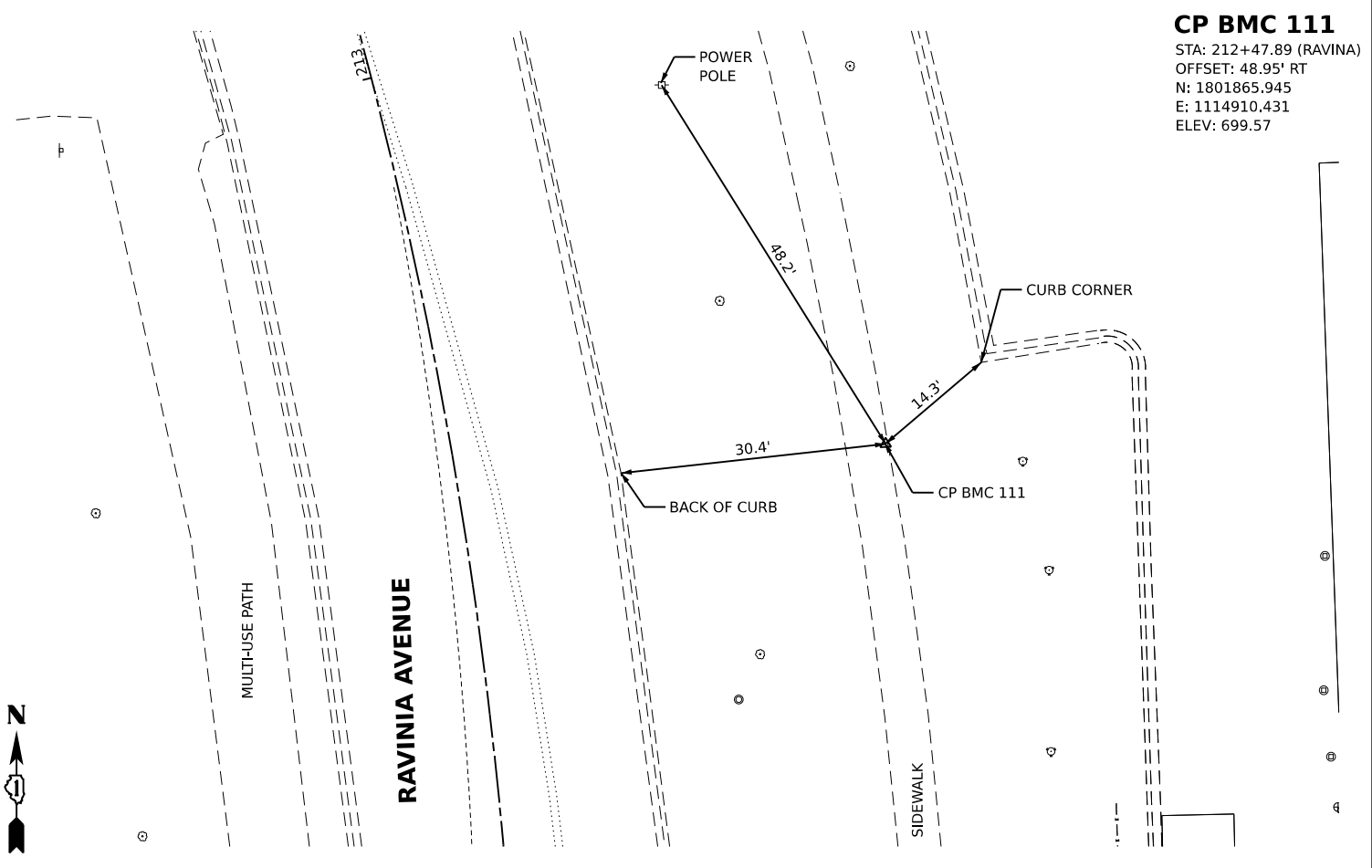
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SCALE IN FEET

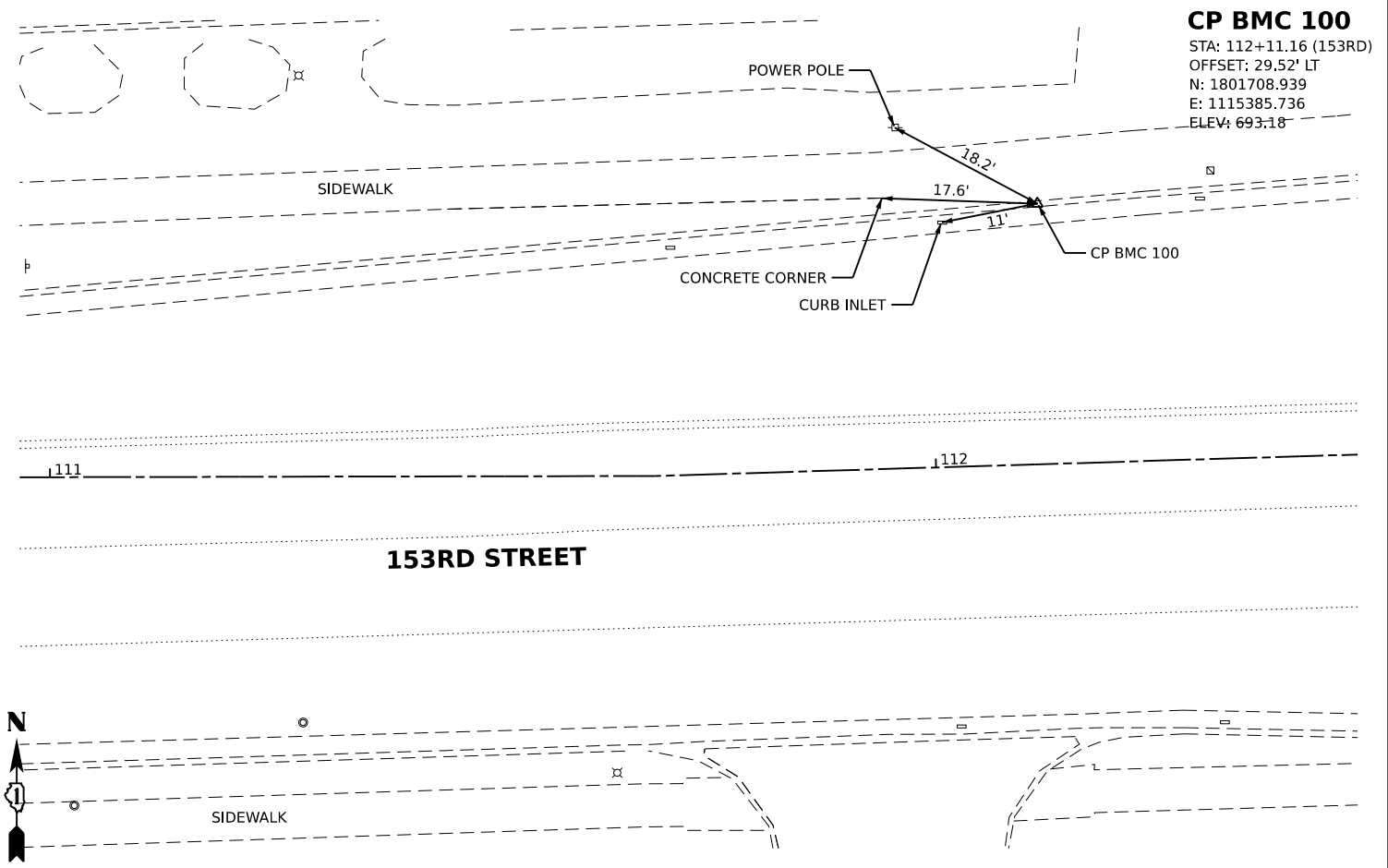
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STA: 212+47.89 (RAVINA)
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 E: 1114910.431
 ELEV: 699.57



CP BMC 100

STA: 112+11.16 (153RD)
 OFFSET: 29.52' LT
 N: 1801708.939
 E: 1115385.736
 ELEV: 693.18



USER NAME	cbautista	DESIGNED	-	REVISED	-
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PLOT DATE	4/3/2026	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

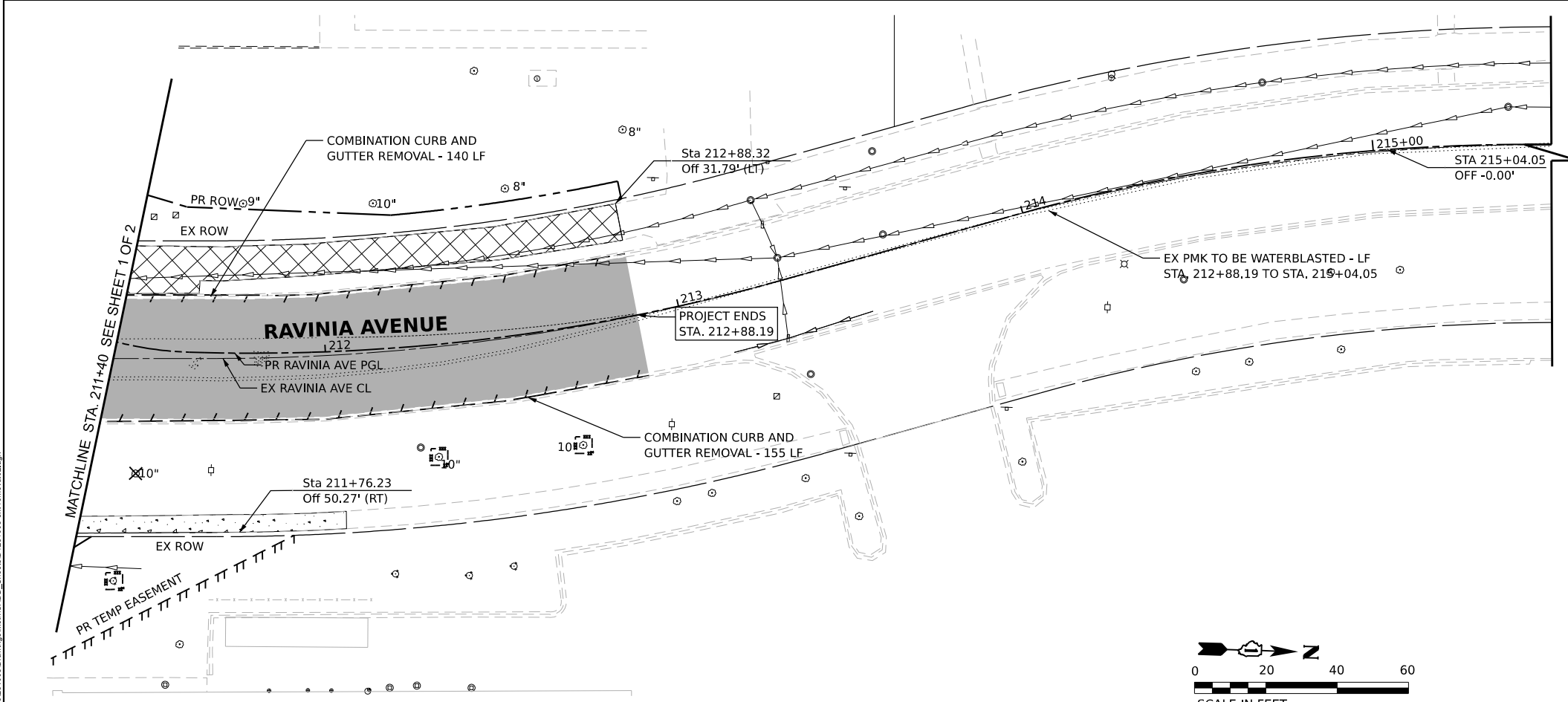
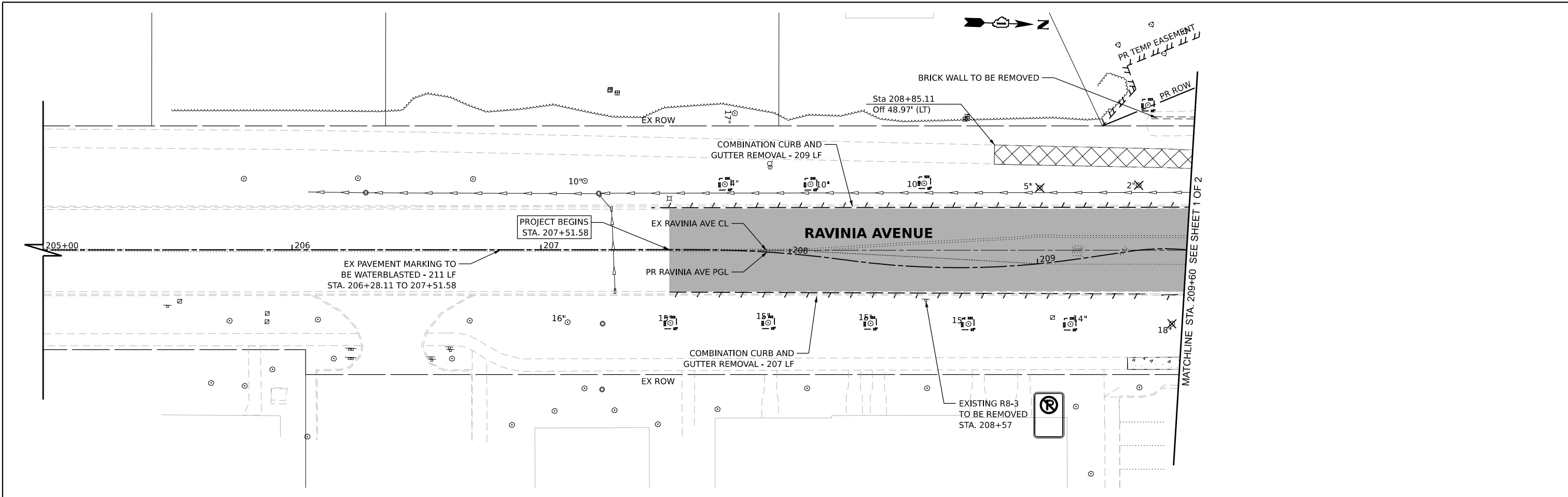
STATE OF ILLINOIS
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ALIGNMENT PLAN
 CONTROL POINTS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	23
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

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REMOVAL LEGEND	
	FULL-DEPTH PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	BIKE PATH REMOVAL
	LINEAR ITEM REMOVAL
	TREE REMOVAL
	REMOVE STRUCTURE
	TEMPORARY FENCE
	TREE PRUNING
	TREE ROOT PRUNING

- NOTES:**
- 1) REFER TO UTILITY PLAN SHEET FOR EXISTING AND RELOCATED UTILITIES WITHIN THE PROJECT LIMITS.
 - 2) REFER TO UTILITY PLAN FOR UTILITY ADJUSTMENTS.
 - 3) REFER TO UTILITY PLAN FOR UTILITIES TO BE RELOCATED, ABANDONED, AND/OR ADJUSTED (BY OTHERS).
 - 4) REFER TO STREET LIGHTING REMOVAL PLAN FOR REMOVAL OF LIGHTING UNITS AND ELECTRICAL CABLES.

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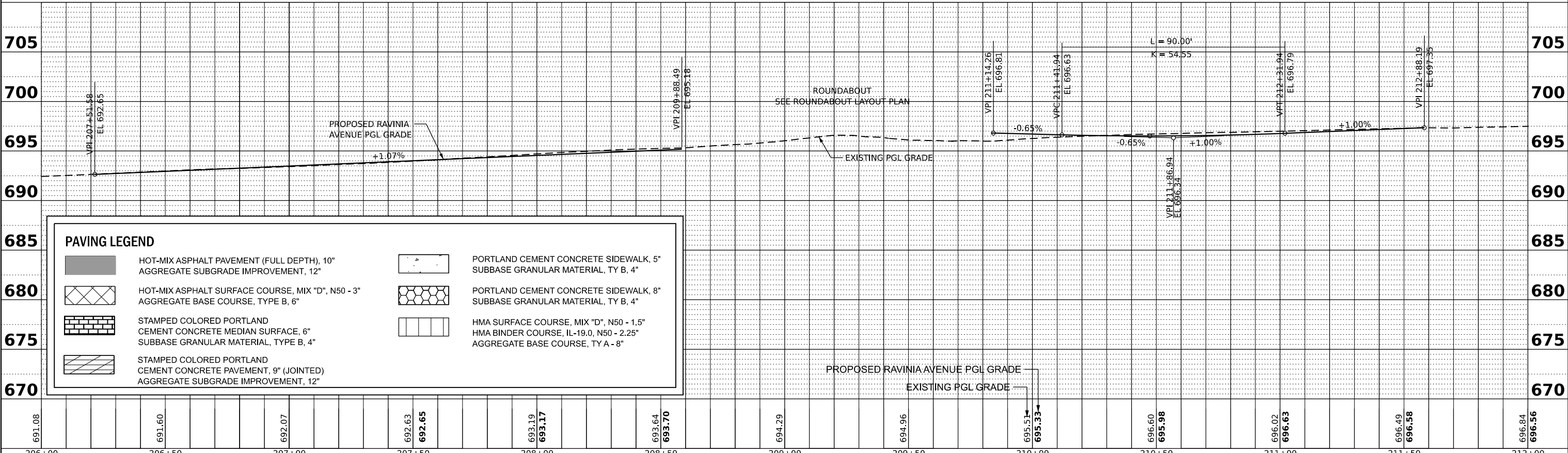
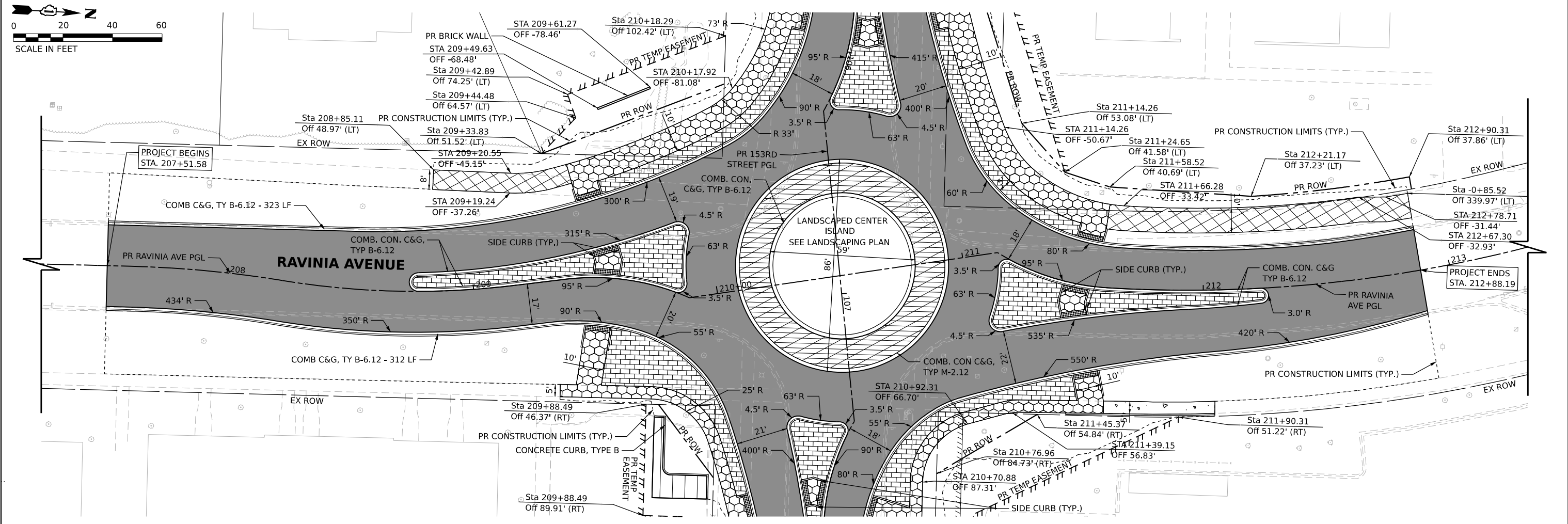
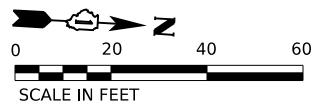
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630 724 9200 phone
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USER NAME	cbautista	DESIGNED	-	REVISED	-
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PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

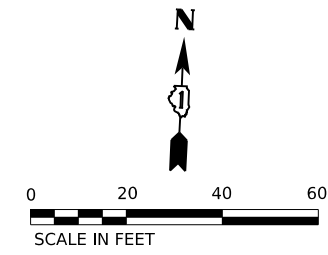
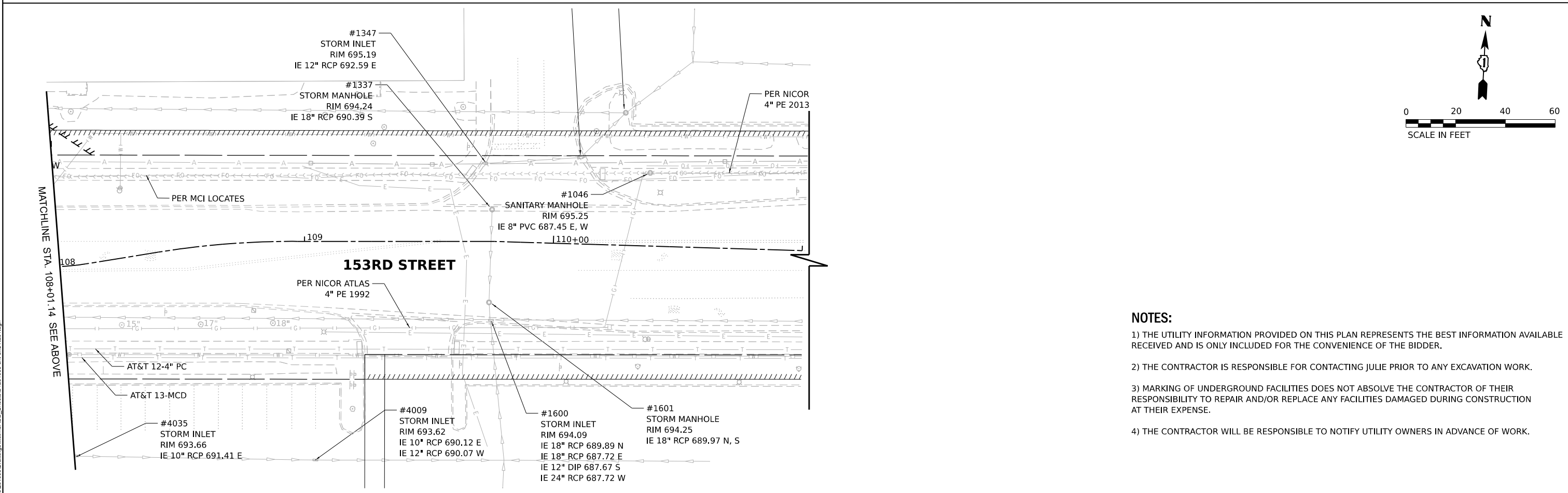
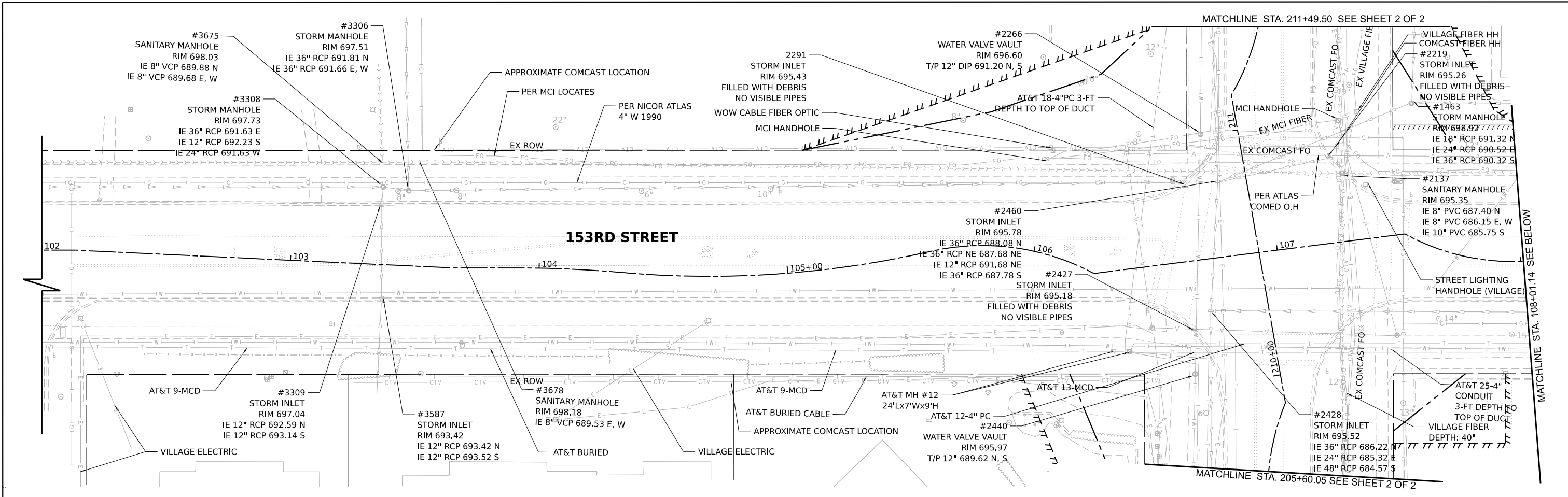
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN	
SCALE: 1"=20"	SHEET 2 OF 2 SHEETS
STA. 206+00.00	TO STA. 214+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	25
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



PAVING LEGEND	
	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10" AGGREGATE SUBGRADE IMPROVEMENT, 12"
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 3" AGGREGATE BASE COURSE, TYPE B, 6"
	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 6" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED) AGGREGATE SUBGRADE IMPROVEMENT, 12"
	PORTLAND CEMENT CONCRETE SIDEWALK, 5" SUBBASE GRANULAR MATERIAL, TY B, 4"
	PORTLAND CEMENT CONCRETE SIDEWALK, 8" SUBBASE GRANULAR MATERIAL, TY B, 4"
	HMA SURFACE COURSE, MIX "D", N50 - 1.5" HMA BINDER COURSE, IL-19.0, N50 - 2.25" AGGREGATE BASE COURSE, TY A - 8"



- NOTES:**
- 1) THE UTILITY INFORMATION PROVIDED ON THIS PLAN REPRESENTS THE BEST INFORMATION AVAILABLE RECEIVED AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER.
 - 2) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE PRIOR TO ANY EXCAVATION WORK.
 - 3) MARKING OF UNDERGROUND FACILITIES DOES NOT ABSOLVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR AND/OR REPLACE ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
 - 4) THE CONTRACTOR WILL BE RESPONSIBLE TO NOTIFY UTILITY OWNERS IN ADVANCE OF WORK.

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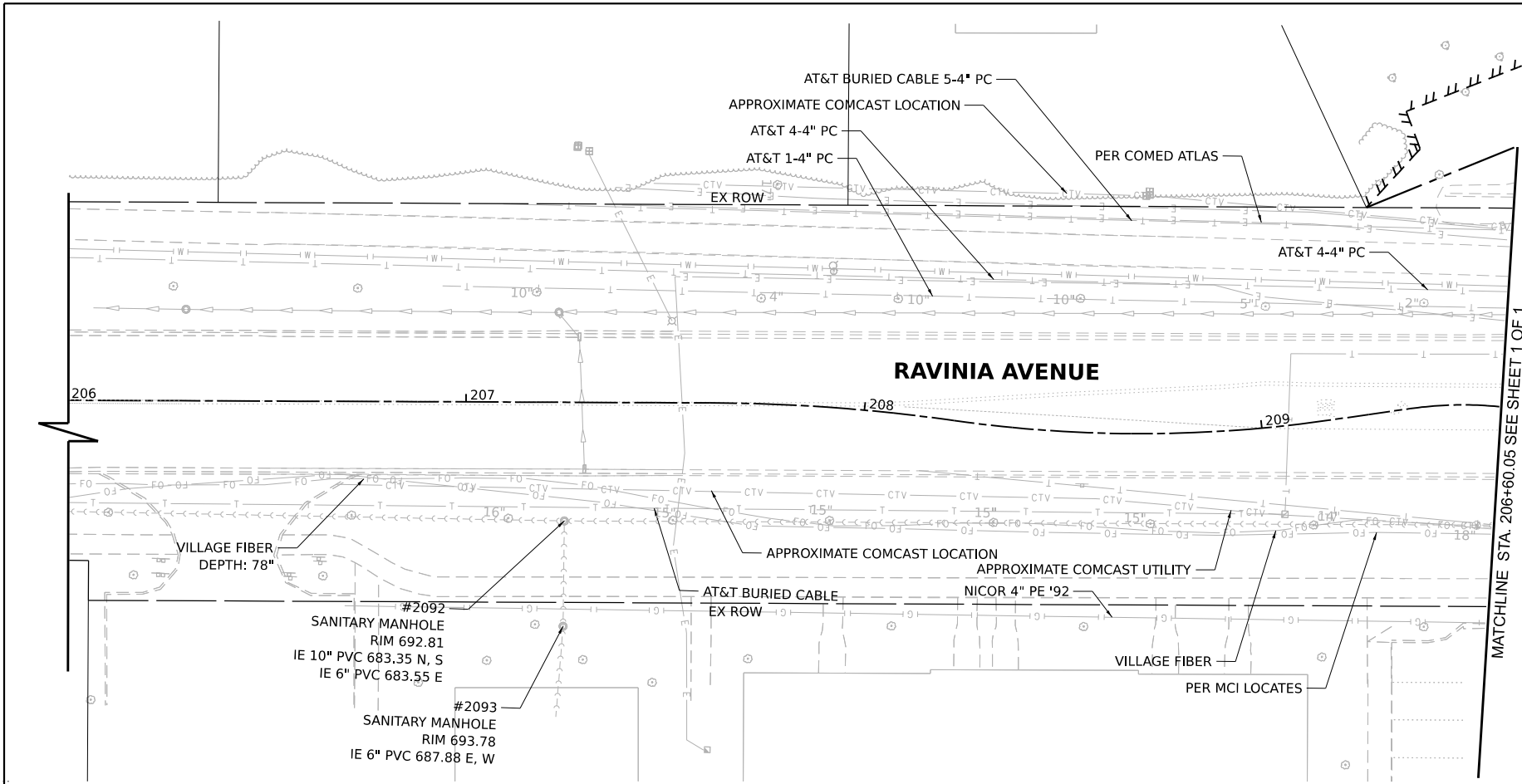


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DEPARTMENT OF TRANSPORTATION**

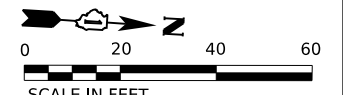
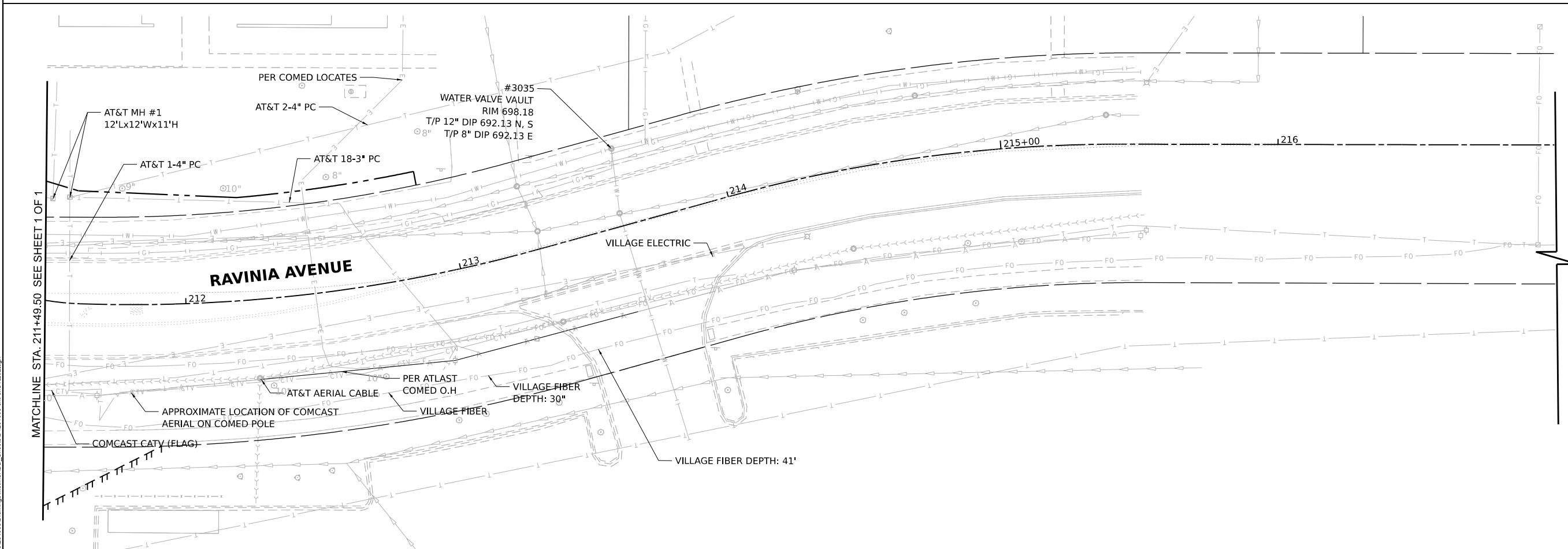
EXISTING UTILITY PLAN - 153RD STREET	
SCALE: 1"=20'	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	28
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1) THE UTILITY INFORMATION PROVIDED ON THIS PLAN REPRESENTS THE BEST INFORMATION AVAILABLE RECEIVED AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE PRIOR TO ANY EXCAVATION WORK.
- 3) MARKING OF UNDERGROUND FACILITIES DOES NOT ABSOLVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR AND/OR REPLACE ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- 4) THE CONTRACTOR WILL BE RESPONSIBLE TO NOTIFY UTILITY OWNERS IN ADVANCE OF WORK.



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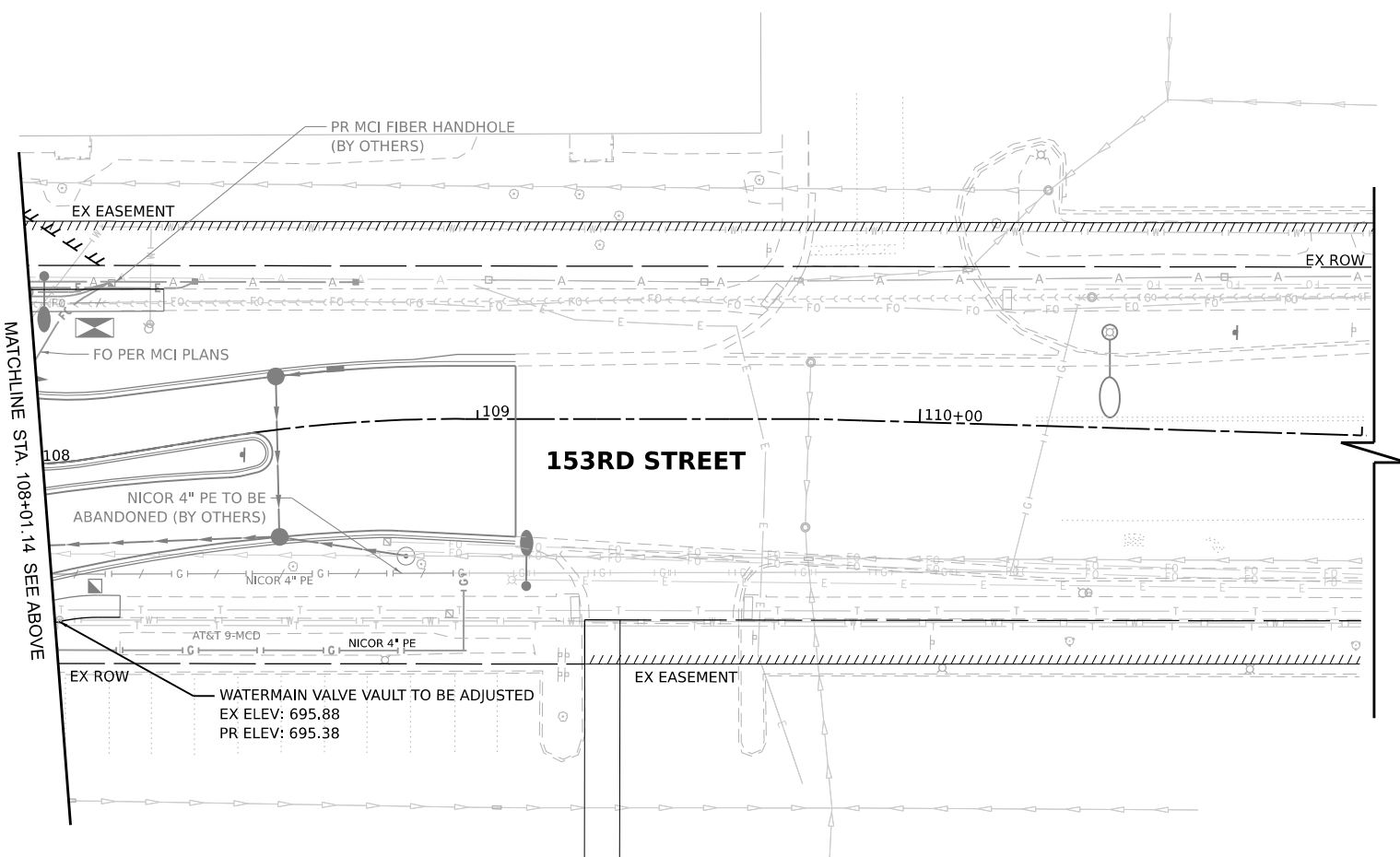
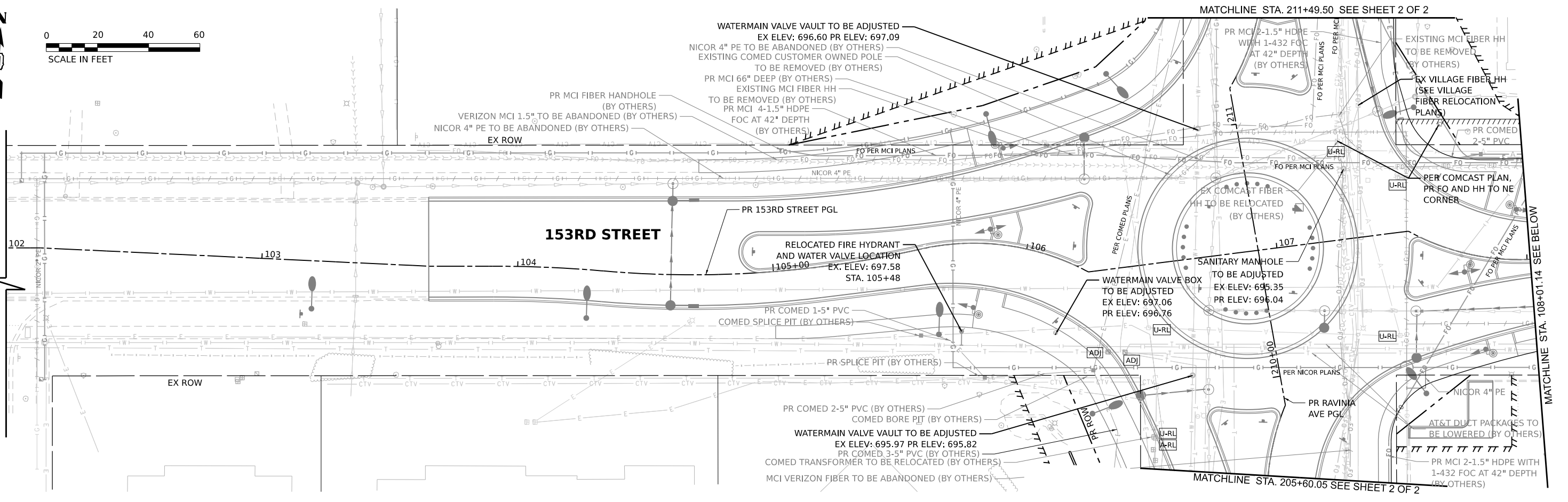
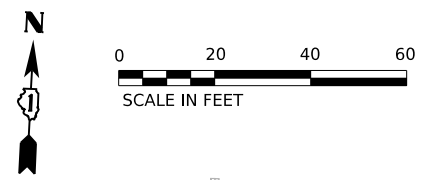
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 630 724 9200 phone
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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 4/3/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20"	SHEET 2 OF 2 SHEETS	STA. _____	TO STA. _____
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	29
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



UTILITY LEGEND

- NICOR GAS (EXISTING - ATLAS INFORMATION)
- NICOR GAS (PROPOSED RELOCATION BY OTHERS, PER AVAILABLE DRAWINGS)
- NICOR GAS (TO BE ABANDONED BY OTHERS, PER AVAILABLE DRAWINGS)
- MCI - VERIZON FIBER OPTIC (EXISTING - ATLAS INFORMATION)
- MCI - VERIZON FIBER OPTIC (PROPOSED RELOCATION BY OTHERS, PER AVAILABLE DRAWINGS)
- MCI - VERIZON FIBER OPTIC (TO BE ABANDONED BY OTHERS, PER AVAILABLE DRAWINGS)
- AT&T HH TO BE ADJUSTED (BY OTHERS)
- AT&T PEDESTAL TO BE RELOCATED (BY OTHERS)
- UTILITY POLE TO BE RELOCATE (BY OTHERS)
- PROPOSED COMED UTILITY POLE (BY OTHERS)

- NOTES:**
- 1) THE UTILITY INFORMATION PROVIDED ON THIS PLAN REPRESENTS THE BEST INFORMATION AVAILABLE RECEIVED AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER.
 - 2) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE AND CORRESPONDING UTILITY COMPANIES PRIOR TO ANY EXCAVATION WORK.
 - 3) MARKING OF UNDERGROUND FACILITIES DOES NOT ABSOLVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR AND/OR REPLACE ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
 - 4) THE CONTRACTOR WILL BE RESPONSIBLE TO NOTIFY UTILITY OWNERS IN ADVANCE OF WORK.
 - 5) REFER TO DRAINAGE PLAN FOR UTILITY CROSSING INFORMATION.
 - 6) REFER TO STREET LIGHTING REMOVAL PLAN FOR REMOVAL OF LIGHTING UNITS AND ELECTRICAL CABLES.
 - 7) REFER TO VILLAGE FIBER OPTIC RELOCATION PLAN FOR LOCATION OF RELOCATED FIBER HANDHOLES AND CABLES.

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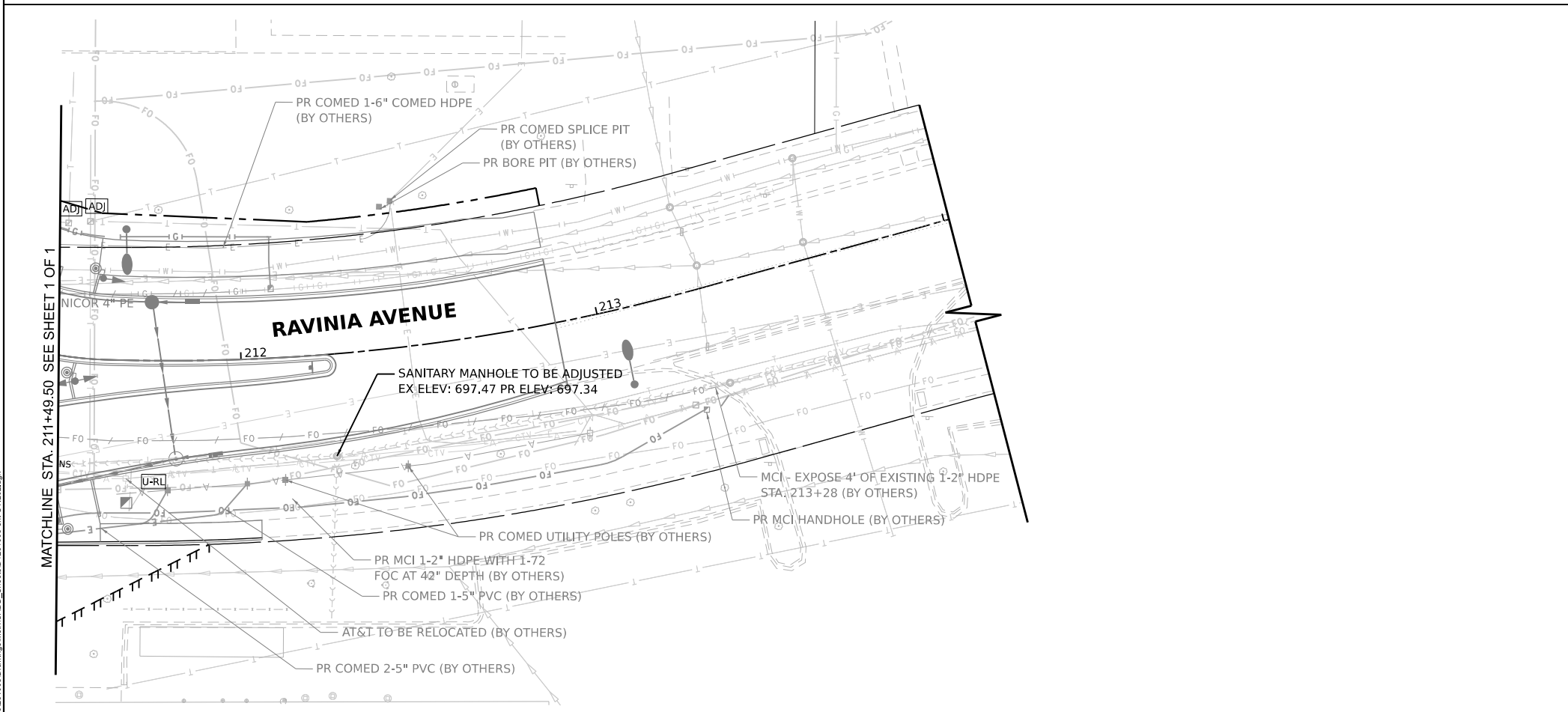
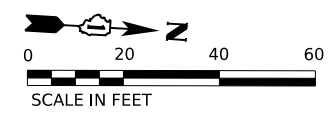
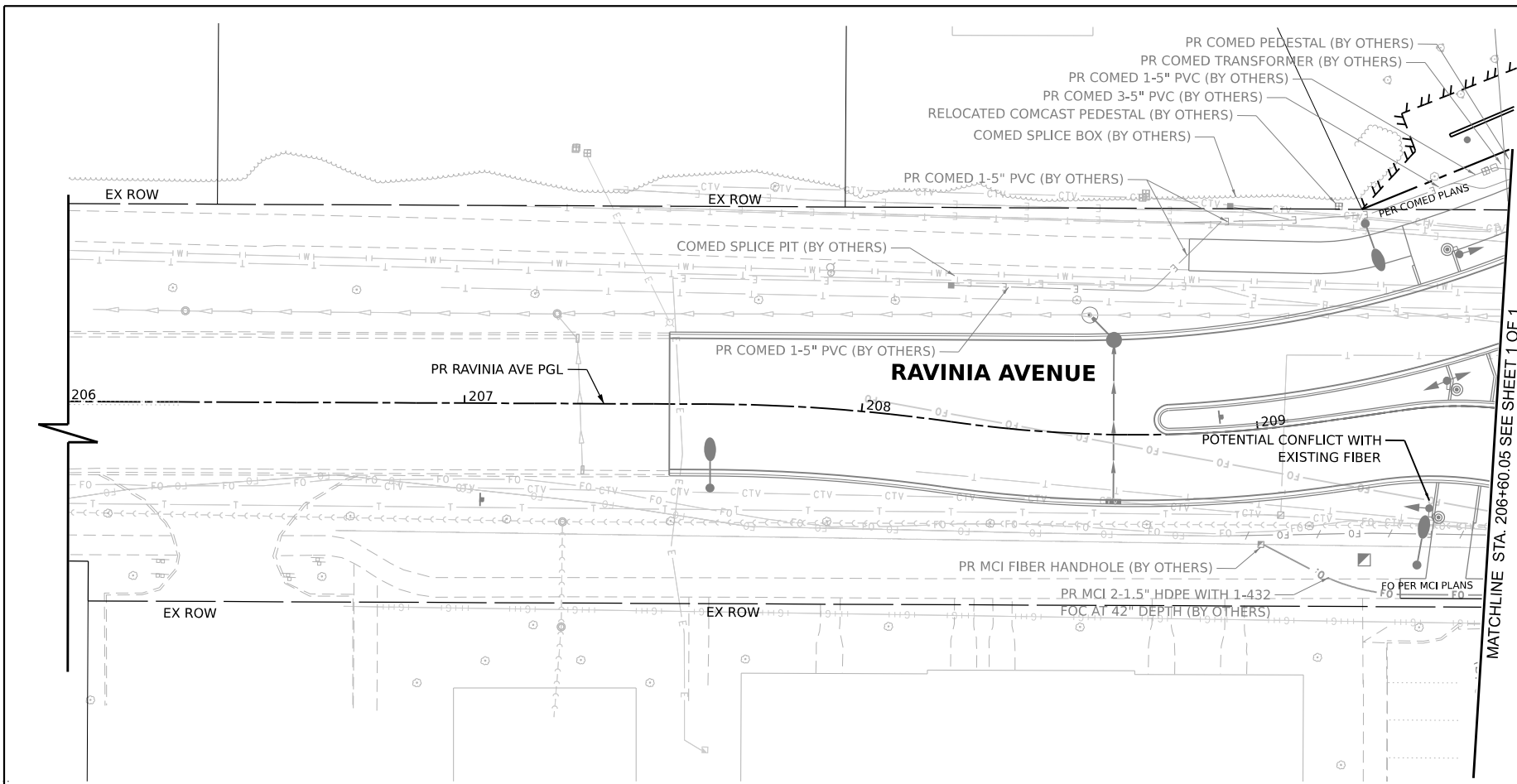


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PLOT SCALE =	DRAWN -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED UTILITY PLAN - 153RD STREET	
SCALE: 1"=20"	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	30
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



UTILITY LEGEND	
	NICOR GAS (EXISTING - ATLAS INFORMATION)
	NICOR GAS (PROPOSED RELOCATION BY OTHERS, PER AVAILABLE DRAWINGS)
	NICOR GAS (TO BE ABANDONED BY OTHERS, PER AVAILABLE DRAWINGS)
	MCI - VERIZON FIBER OPTIC (EXISTING - ATLAS INFORMATION)
	MCI - VERIZON FIBER OPTIC (PROPOSED RELOCATION BY OTHERS, PER AVAILABLE DRAWING)
	MCI - VERIZON FIBER OPTIC (TO BE ABANDONED BY OTHERS, PER AVAILABLE DRAWINGS)
	AT&T HH TO BE ADJUSTED (BY OTHERS)
	AT&T PEDESTAL TO BE RELOCATED (BY OTHERS)
	UTILITY POLE TO BE RELOCATE (BY OTHERS)
	PROPOSED COMED UTILITY POLE (BY OTHERS)

- NOTES:**
- 1) THE UTILITY INFORMATION PROVIDED ON THIS PLAN REPRESENTS THE BEST INFORMATION AVAILABLE RECEIVED AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER.
 - 2) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE AND CORRESPONDING UTILITY COMPANIES PRIOR TO ANY EXCAVATION WORK.
 - 3) MARKING OF UNDERGROUND FACILITIES DOES NOT ABSOLVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR AND/OR REPLACE ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
 - 4) THE CONTRACTOR WILL BE RESPONSIBLE TO NOTIFY UTILITY OWNERS IN ADVANCE OF WORK.
 - 5) REFER TO DRAINAGE PLAN FOR UTILITY CROSSING INFORMATION.
 - 6) REFER TO STREET LIGHTING REMOVAL PLAN FOR REMOVAL OF LIGHTING UNITS AND ELECTRICAL CABLES.
 - 7) REFER TO VILLAGE FIBER OPTIC RELOCATION PLAN FOR LOCATION OF RELOCATED FIBER HANDHOLES AND CABLES.

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USER NAME	cbautista	DESIGNED -	REVISED -
PLOT SCALE		DRAWN -	REVISED -
PLOT DATE	4/3/2026	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED UTILITY PLAN - RAVINIA AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	31
				CONTRACT NO. 61M50
		ILLINOIS	FED. AID PROJECT	

SUGGESTED SEQUENCE OF CONSTRUCTION

STAGE 1A:

RAVINIA SB TRAFFIC MAINTAINED THROUGH THE WORK ZONE. NB TRAFFIC IS DETOURED VIA POSTED DETOUR. 153RD WB TRAFFIC IS MAINTAINED THROUGH THE WORK ZONE. EB TRAFFIC IS DETOURED VIA POSTED DETOUR. TRAFFIC SIGNAL IS DEACTIVATED AND INTERSECTION OPERATES UNDER ALL WAY STOP CONTROL AFTER NB TRAFFIC AND EB TRAFFIC IS DETOURED. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT LEAST 7 CALENDAR DAYS PRIOR TO DEACTIVATING THE TRAFFIC SIGNAL.

INSTALL PROPOSED STORM SEWER ON WEST SIDE OF EXISTING RAVINIA AVENUE. RESTORE PAVEMENT ON RAVINIA AVENUE WITH TEMPORARY PAVEMENT.

INSTALL PROPOSED STORM SEWER ON NORTH SIDE OF 153RD STREET. RESTORE PAVEMENT ON 153RD STREET WITH TEMPORARY PAVEMENT. CONSTRUCT SIDEWALK ON NORTH SIDE OF 153RD STREET WEST OF RAVINIA AVE AFTER COMPLETION OF STORM SEWER INSTALLATION.

PROPOSED STORM SEWER AND TEMPORARY PAVEMENT INSTALLED IN THIS STAGE ACCORDING TO HIGHWAY STANDARD 701601.

MAINTAIN PEDESTRIAN ACCESS ON SOUTH SIDE OF 153RD STREET DURING STORM SEWER CONSTRUCTION AND INSTALL SIGNING FOR SIDEWALK CLOSURE ACCORDING TO HIGHWAY STANDARD 701801.

STAGE 1B

TRAFFIC REMAINS IN SAME CONFIGURATION AS STAGE 1A.

CONSTRUCT SOUTH PORTION OF 153RD STREET AND INSTALL PROPOSED SIDEWALK IN SOUTHEAST RADIUS OF INTERSECTION. COMPLETE PARKING LOT REVISIONS ADJACENT TO NEW SIDEWALK IN SE RADIUS ACCORDING TO HIGHWAY STANDARDS 701001 AND 701006.

CONSTRUCT WEST PORTION OF RAVINIA AVE.

INSTALL ONLY HMA BINDER COURSE IN THIS STAGE.

CONSTRUCT TEMPORARY PAVEMENT FOR USE IN STAGE 2 AS SHOWN IN MOT PLANS.

INSTALL SIGNING FOR SIDEWALK CLOSURE ACCORDING TO HIGHWAY STANDARD 701801. PEDESTRIANS ON RAVINIA AVE ARE MAINTAINED ON WEST SIDE OF ROADWAY NORTH OF 153RD ST. PEDESTRIANS ON 153RD ST WEST OF RAVINIA ARE DETOURED VIA WILSHIRE DR AND 154TH ST. PEDESTRIANS ON 153RD ST EAST OF RAVINIA ARE MAINTAINED ON NORTH SIDE OF ROADWAY. PEDESTRIAN ACCESS TO SHOPPING CENTER IS MAINTAINED ON NORTH SIDE OF 153RD ST FROM LAGRANGE AVE.

STAGE 2:

RAVINIA SB TRAFFIC MAINTAINED THROUGH WORK ZONE ON COMBINATION OF EXISTING, PROPOSED, AND TEMPORARY PAVEMENTS. NB TRAFFIC REMAINS DETOURED ON POSTED DETOUR. 153RD WB TRAFFIC IS MAINTAINED THROUGH WORK ZONE ON COMBINATION OF EXISTING, PROPOSED, AND TEMPORARY PAVEMENTS. EB TRAFFIC REMAINS DETOURED ON POSTED DETOUR. INTERSECTION OPERATES UNDER ALL WAY STOP CONTROL.

CONSTRUCT NORTH PORTION OF 153RD STREET, INCLUDING PORTIONS OF SPLITTER ISLANDS.

INSTALL ONLY HMA BINDER COURSE IN THIS STAGE.

CONSTRUCT EAST PORTION OF RAVINIA AVE, INCLUDING PORTIONS OF SPLITTER ISLANDS.

INSTALL SIGNING FOR SIDEWALK CLOSURE ACCORDING TO HIGHWAY STANDARD 701801. PEDESTRIANS ON RAVINIA AVE. ARE MAINTAINED ON WEST SIDE OF ROADWAY. PEDESTRIANS ON 153RD ST ARE MAINTAINED ON SOUTH SIDE OF ROADWAY. PEDESTRIAN ACCESS TO SHOPPING CENTER IS MAINTAINED ON NORTH SIDE OF 153RD ST FROM LAGRANGE AVE.

STAGE 3:

RAVINIA SB TRAFFIC MAINTAINED THROUGH THE WORK ZONE ON NEW PAVEMENT. NB TRAFFIC REMAINS DETOURED. 153RD WB TRAFFIC MAINTAINED THROUGH THE WORK ZONE ON NEW PAVEMENT. EB TRAFFIC REMAINS DETOURED. INTERSECTION OPERATES UNDER NORMAL ROUNDABOUT FLOW.

CONSTRUCT REMAINING PORTIONS OF CENTRAL AND SPLITTER ISLANDS, INCLUDING MEDIAN CROSSWALKS.

INSTALL SIGNING FOR SIDEWALK CLOSURE ACCORDING TO HIGHWAY STANDARD 701801. PEDESTRIANS ARE MAINTAINED ON NEW AND EXISTING SIDEWALKS IN ALL QUADRANTS OF THE PROJECT. CROSSING OF 153RD ST AND RAVINIA AVE REMAIN IN DETOURED LOCATIONS.

STAGE 4:

FULL CLOSURE OF RAVINIA AVE AND 153RD STREET. ALL OF STAGE 4 CONSTRUCTION SHALL OCCUR DURING ONE NIGHT FROM 8 P.M. TO 6 A.M.

INSTALL HMA SURFACE COURSE THROUGHOUT ENTIRE PROJECT. INSTALL SHORT-TERM PAVEMENT MARKINGS ACCORDING TO LOCATIONS OF PERMANENT PAVEMENT MARKING DESIGN.






STAGE 5:

INSTALL PERMANENT PAVEMENT MARKINGS. COMPLETE LANDSCAPING WORK. REMOVE EROSION CONTROL ITEMS.

GENERAL NOTES

- ALL TEMPORARY LANES SHALL MAINTAIN AN 11-FT MINIMUM WIDTH
- BARRICADES/DRUMS USED DURING CONSTRUCTION SHALL BE PLACED 20 FT. APART ALONG ALL TAPERS, 10 FT. APART ALONG RADII, AND 50 FT. APART ALONG ALL TANGENTS
- ALL UNDERGROUND UTILITY WORK SHALL BE COORDINATED WITH THE SUGGESTED MAINTENANCE OF TRAFFIC.
- SAW CUTTING OF THE EXISTING PAVEMENT FOR SUBSEQUENT STAGE CONSTRUCTION SHALL BE INCLUDED IN THE COST OF THE PAVEMENT REMOVAL.
- ALL TEMPORARY PAVEMENT MARKINGS IN CONFLICT OR NO LONGER NEEDED MUST BE REMOVED BEFORE STARTING THE NEW TRAFFIC CONFIGURATION FOR NEXT MOT STAGE.
- THE CONTRACTOR SHALL NOTIFY ALL LOCAL AGENCIES, EMERGENCY SERVICES AND SCHOOL DISTRICT THAT WILL BE AFFECTED BY THE ROAD CLOSURE 72 HOURS PRIOR TO THEIR IMPLEMENTATION.
- ALL CURB RAMPS ADJACENT TO BINDER COURSE AND CURB AND GUTTER SHALL HAVE A TEMPORARY ASPHALT RAMP (TEMPORARY RAMP (SPECIAL) NOT EXCEEDING 8 PERCENT SLOPE. TEMPORARY RAMPS SHALL BE REMOVED PRIOR TO PAVING THE SURFACE COURSE.
- DETECTABLE WARNINGS ON TEMPORARY RAMP (SPECIAL) SHALL BE CONSTRUCTED ON PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.
- ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKING PAINT USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL-GRINDING WITHIN THE PROJECT LIMITS AND PAVEMENT MARKING REMOVAL-WATER BLASTING OUTSIDE THE PROJECT LIMITS.
- TEMPORARY PAVEMENT MARKING PAINT OF THE WIDTH SPECIFIED SHALL BE USED ON ALL TEMPORARY PAVEMENT AND EXISTING PAVEMENT THAT IS TO BE REMOVED. TEMPORARY PAVEMENT MARKING - TYPE IV TAPE OF THE WIDTH SPECIFIED SHALL BE USED ON ALL FINAL PAVEMENT SURFACES AND EXISTING PAVEMENT SURFACES TO REMAIN.
- REMOVAL OF TEMPORARY PAVEMENT MARKING - TYPE IV TAPE USED FOR STAGING SHALL BE PAID FOR AS SHORT TERM PAVEMENT MARKING REMOVAL. REMOVAL OF TEMPORARY PAVEMENT MARKING PAINT SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL - GRINDING.
- WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANES SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING. SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE NEAREST OPEN TRAFFIC LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THAT TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC, THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DROP-OFF TO LESS THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY AND ENSURE THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES/DRUMS AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. IF THE ABOVE REQUIREMENTS CAN'T BE MET, AND IT IS DETERMINED THAT OVERNIGHT LANE CLOSURES AND/OR TEMPORARY CONCRETE BARRIER WALL INSTALLATION WILL BE NECESSARY, THEN IDOT WRITTEN APPROVAL WILL BE REQUIRED PRIOR TO THE INSTALLATION OF THESE ITEMS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT. WHERE POSITIVE PROTECTION (TEMPORARY CONCRETE BARRIER PER STANDARD 704001) IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.
- CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE, TRAFFIC STAGE CHANGES, AND NEW TRAFFIC SIGNAL TURN-ON EVENTS ON EACH APPROACH OF THE AFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE AFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS THAT ARE LOCATED WITHIN A WORK AREA. THIS WORK SHALL BE PAID FOR PER DISTRICT 1 DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS SIGN RELOCATION WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

LEGEND

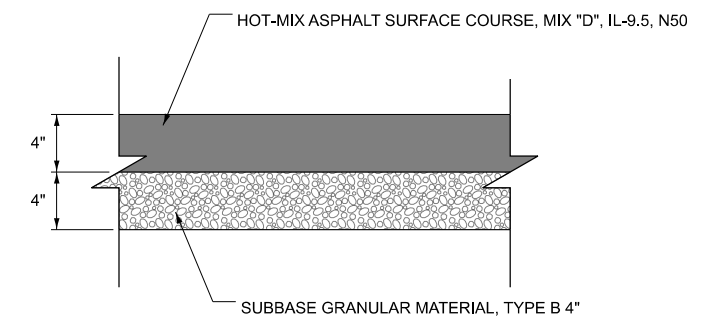
-  TYPE III BARRICADES/DRUMS WITH FLASHING LIGHTS
-  DIRECTION OF TRAFFIC INDICATOR
-  TEMPORARY PAVEMENT
-  CONSTRUCTION AREA - INCLUDING COMPLETE PAVEMENT STRUCTURE, ACCORDING TO TYPICAL CROSS SECTIONS, UNLESS OTHERWISE NOTED. CONSTRUCTION SHALL BE EXTENDED TO JOINTS.
-  TEMPORARY RAMP (SPECIAL)

APPLICABLE IDOT HIGHWAY STANDARDS

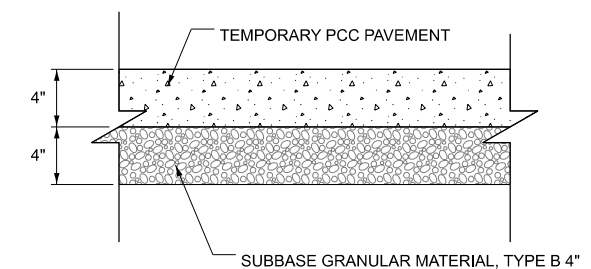
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES

TEMPORARY PAVEMENT DETAILS:

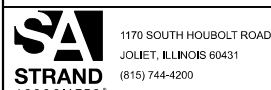
DETAIL A: FULL DEPTH TEMPORARY HMA PAVEMENT



DETAIL B: TEMPORARY PCC PAVEMENT



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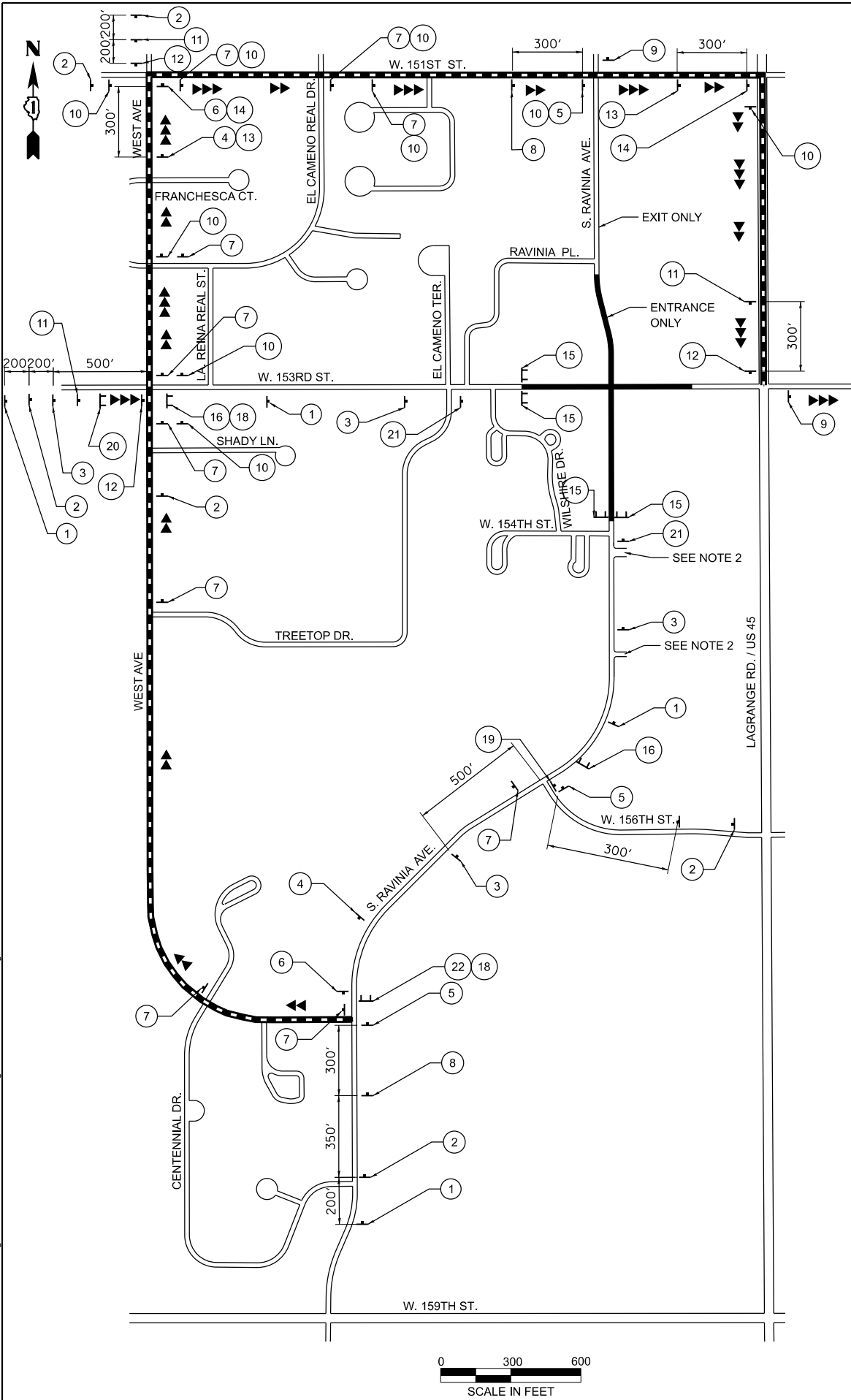
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = jakar	DESIGNED - SRB	REVISED -
		DRAWN - JMR	REVISED -
		CHECKED - MAG	REVISED -
	PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
GENERAL NOTES

SCALE: SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00089-00-CH	COOK	99	32
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

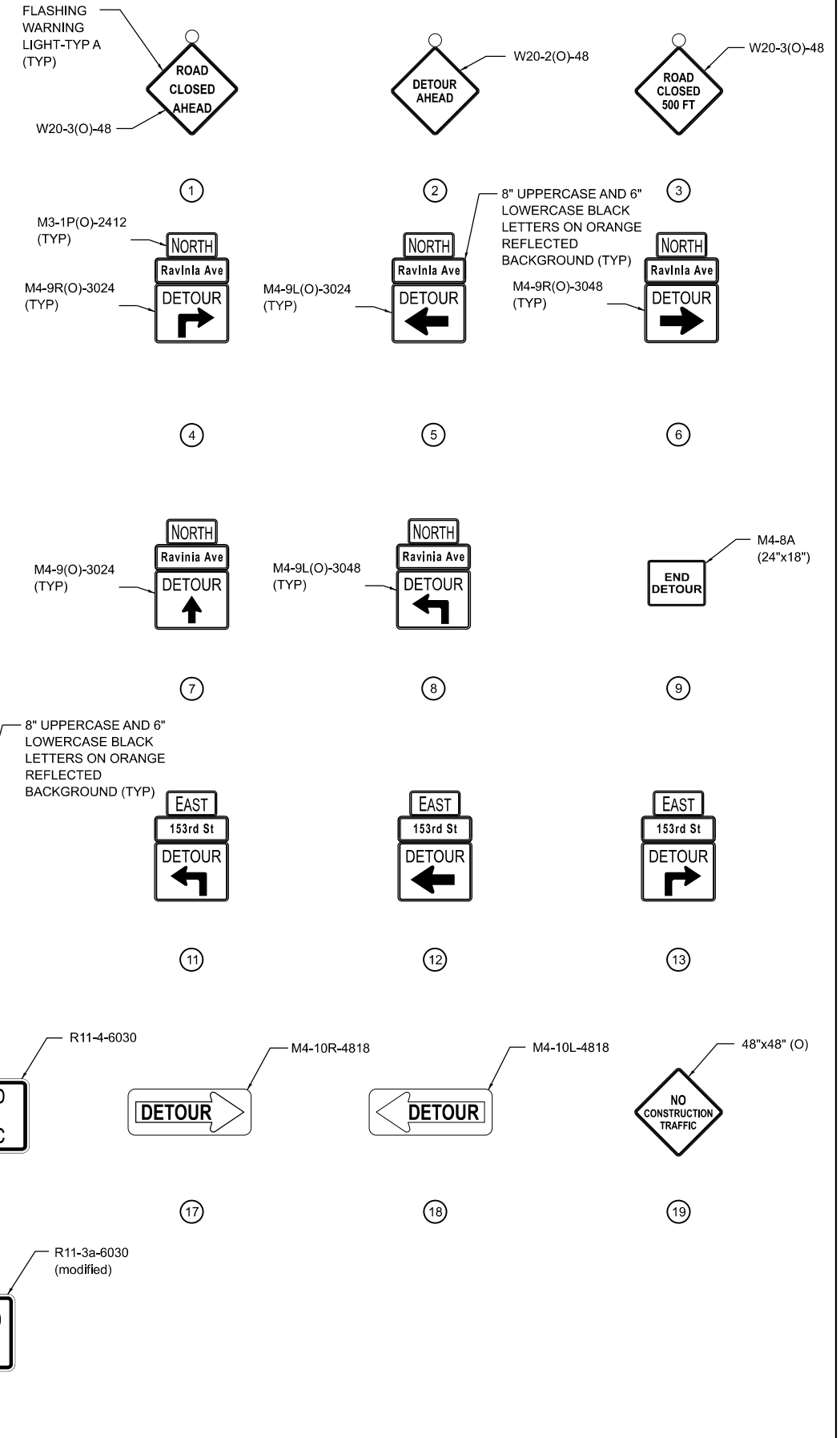


DETOUR NOTES

1. THE CONTRACTOR SHALL CONTACT THE ENGINEER, DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4420, ALL LOCAL AGENCIES, PARK DISTRICT, EMERGENCY SERVICES AND SCHOOL DISTRICTS A MINIMUM OF 72 HOURS PRIOR TO IMPLEMENTING THE DETOUR.
2. ENTRANCE TO DARVIN FURNITURE & MATTRESS TO REMAIN OPEN.
3. THE LOCATIONS OF ALL SIGNS SHOWN ON THE DETOUR PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST LOCATIONS TO FIT FIELD CONDITIONS. FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. EXISTING TRAFFIC SIGNS CONFLICTING WITH THE DETOUR SIGNAGE SHALL BE TEMPORARILY REMOVED OR COVERED AS DIRECTED BY THE ENGINEER.
5. TEMPORARY TRAFFIC SIGNAL TIMING IS INCLUDED FOR THE FOLLOWING INTERSECTIONS: US 45 (LAGRANGE RD) AND W. 151ST ST. US 45 (LAGRANGE RD) AND 153RD ST.
6. COORDINATION WITH COOK COUNTY MAY BE REQUIRED FOR PLACING TRAFFIC CONTROL SIGNS ON 153RD STREET WEST OF WEST AVENUE. THE CONTRACTOR SHALL TAKE THIS INTO CONSIDERATION WHEN PREPARING THE CONSTRUCTION SCHEDULE AND BID.
7. CONSTRUCTION TRAFFIC TO ACCESS PROJECT SITE VIA LAGRANGE RD / US 45.
8. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGNAGE WITH THE PLACEMENT OF DETOUR SIGNAGE.
9. SEE DETAIL TC-21 FOR TYPICAL SIGN SPACING.
10. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE CLOSURE OF 153RD STREET AND RAVINIA AVENUE, THE CONTRACTOR SHALL PLACE ONE (1) CHANGEABLE MESSAGE SIGN AT THE END OF THE CLOSURE ALONG THE ROUTE AS DIRECTED AND AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CONSTRUCTION. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.

LEGEND

- ↑ SIGN
- ⊥ TYPE III BARRICADES WITH TWO FLASHING LIGHTS
- ▶▶ NORTHBOUND DETOURED TRAFFIC
- ▶▶ EASTBOUND DETOURED TRAFFIC
- PROPOSED DETOUR
- ONE WAY ROAD CLOSED



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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

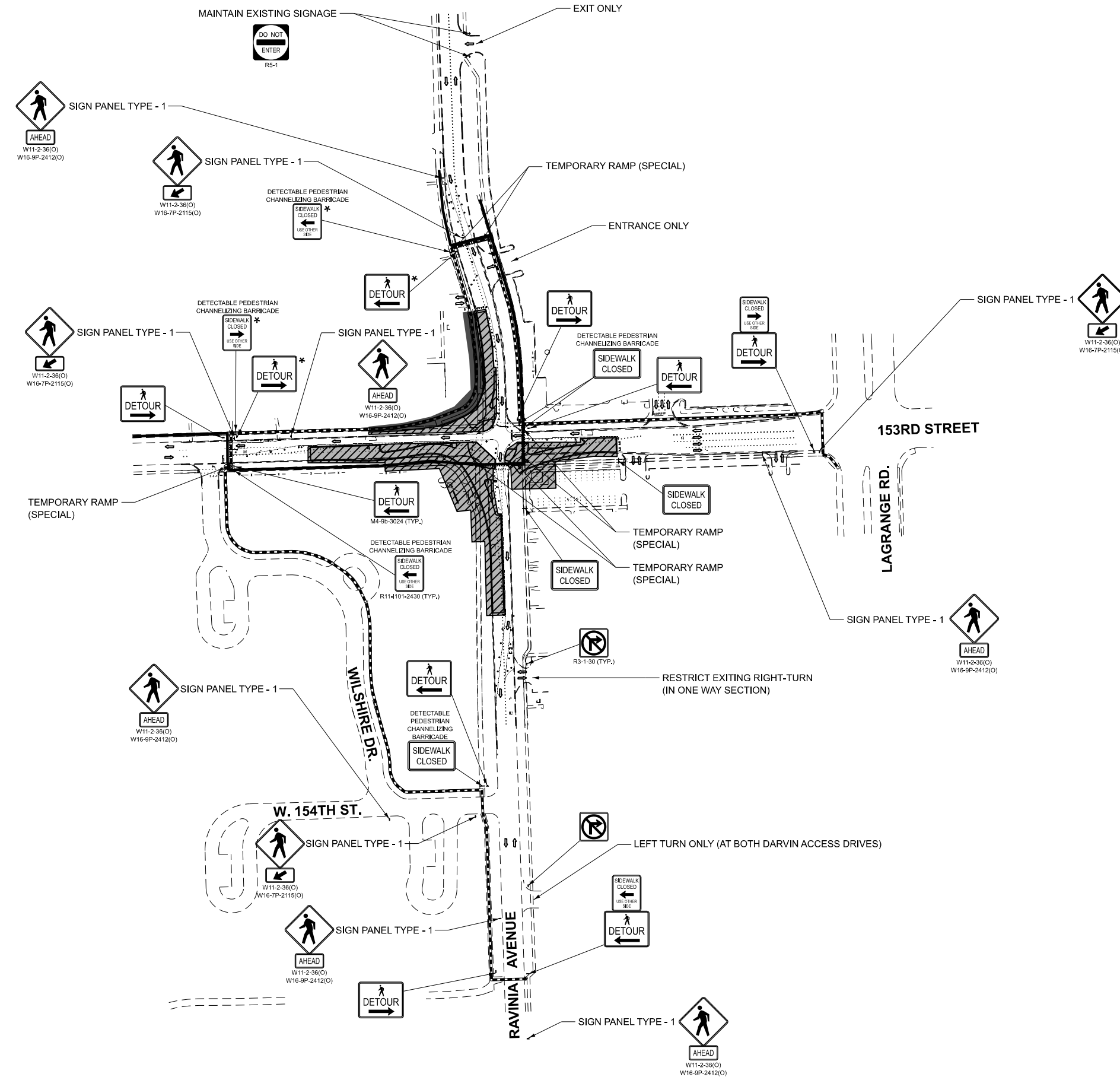
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	CHECKED - MAG	REVISED -
PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

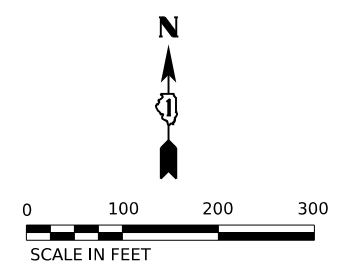
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00089-00-CH	COOK	99	33
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



LEGEND

- PEDESTRIAN ROUTE STAGE 1A
- PEDESTRIAN ROUTE STAGE 1B
- SIGN
- TYPE II BARRICADES WITH WARNING LIGHT OR DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE (AS NOTED)
- STAGE 1A
- STAGE 1B
- STAGE 1A SIGNAGE



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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = jaker	DESIGNED - SRB	REVISED -
	DRAWN - JMR	REVISED -
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PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -





STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

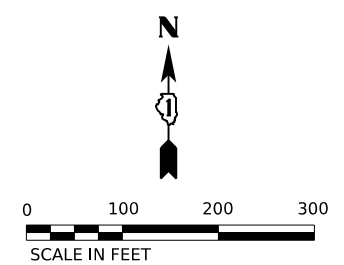
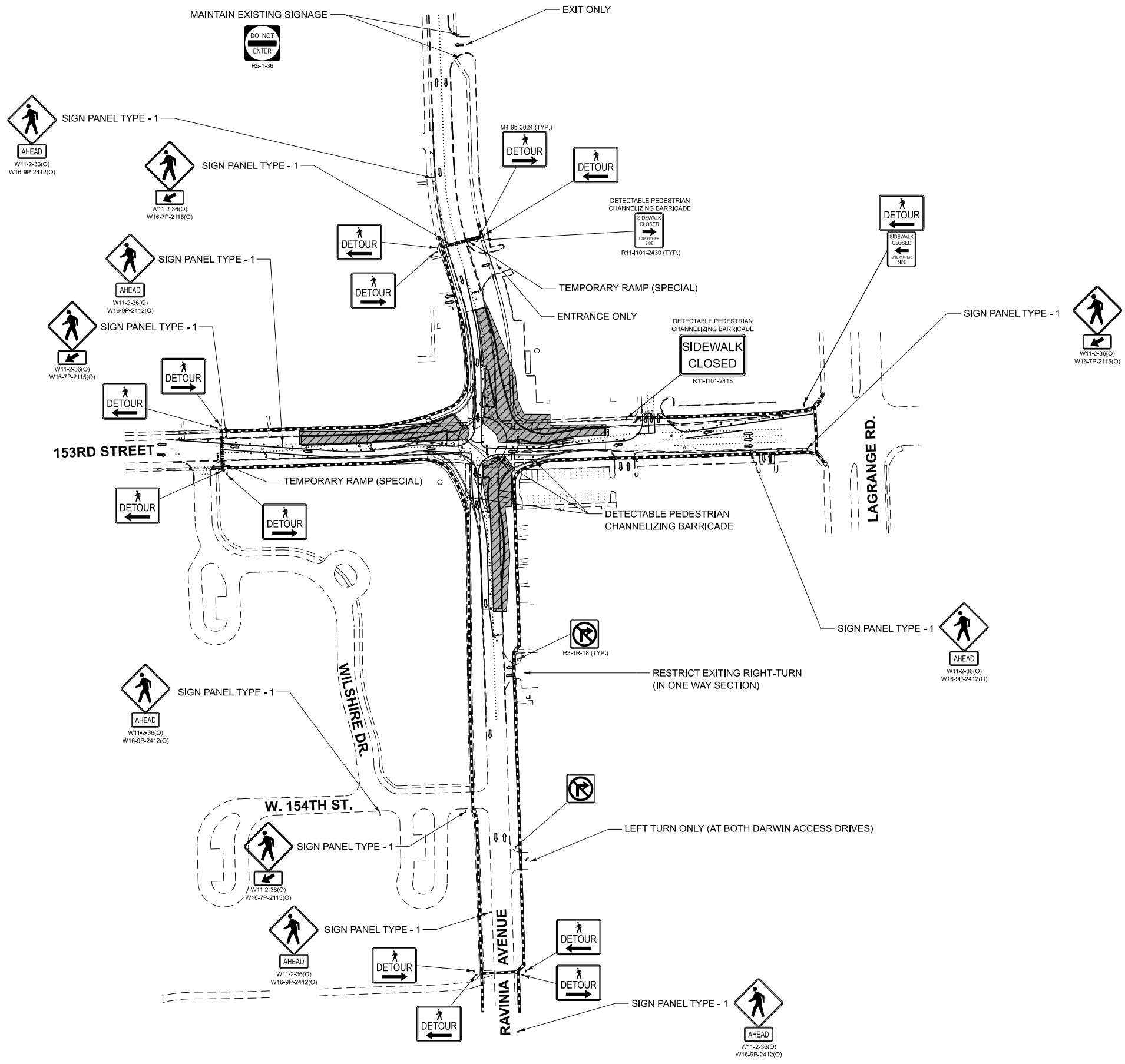
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 1 (PEDESTRIAN AND ACCESS MANAGEMENT)

SCALE: 1"=200" SHEET 1 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00089-00-CH	COOK	99	34
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

LEGEND

-  PEDESTRIAN ROUTE
-  STAGE 2 WORK ZONE
-  SIGN
-  TYPE II BARRICADES WITH WARNING LIGHT OR DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE (AS NOTED)



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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = jaker	DESIGNED - SRB	REVISED -
	DRAWN - JMR	REVISED -
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PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -





**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

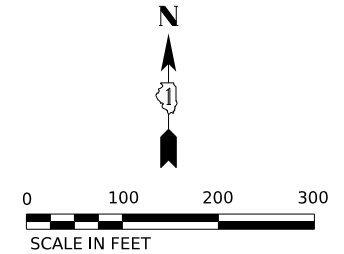
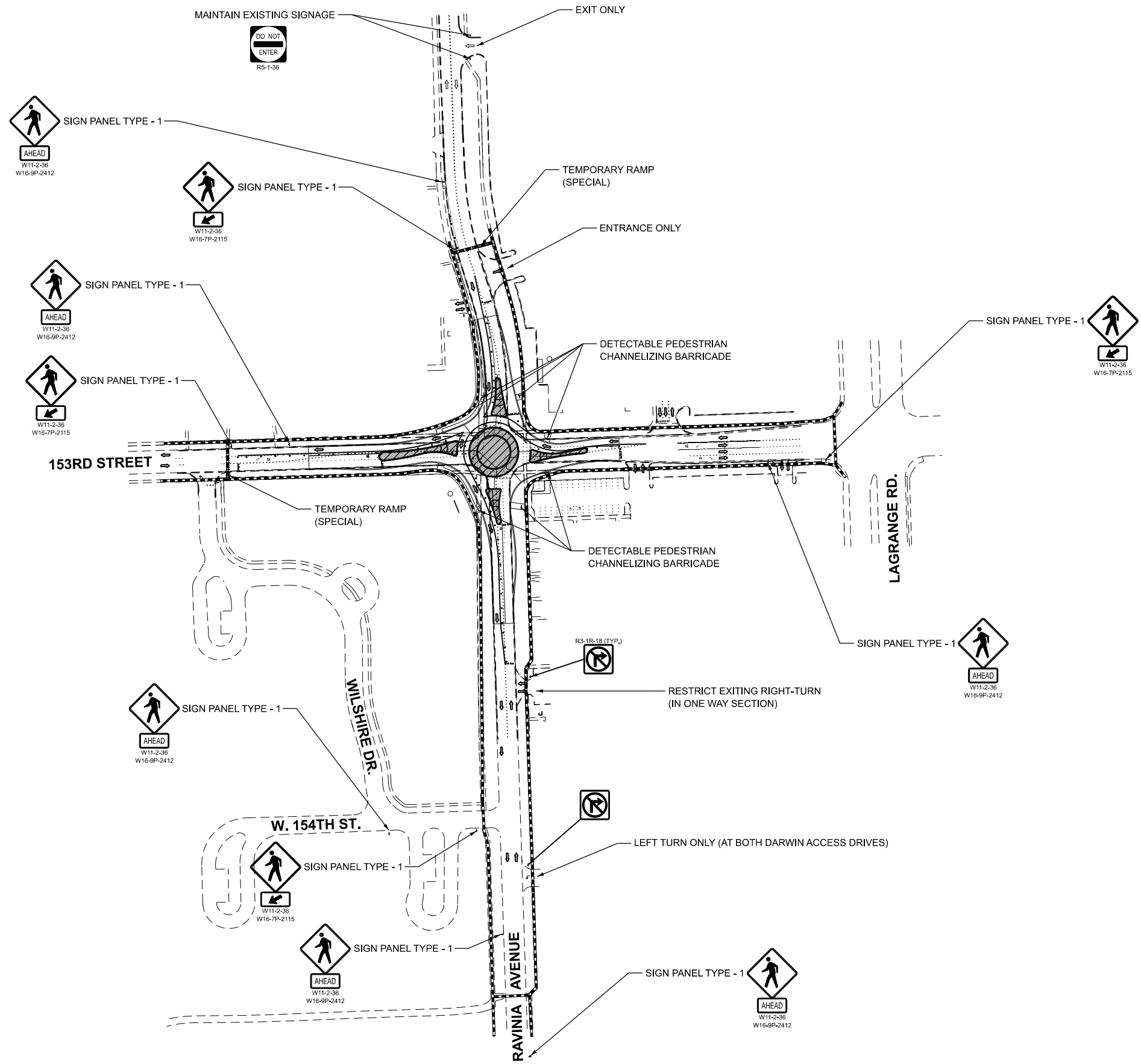
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 STAGE 2 (PEDESTRIAN AND ACCESS MANAGEMENT PLAN)**

SCALE: 1"=200" SHEET 2 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00089-00-CH	COOK	99	35
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

LEGEND

-  PEDESTRIAN ROUTE
-  STAGE 3 WORK ZONE
-  SIGN
-  TYPE II BARRICADES WITH WARNING LIGHT OR DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE (AS NOTED)



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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

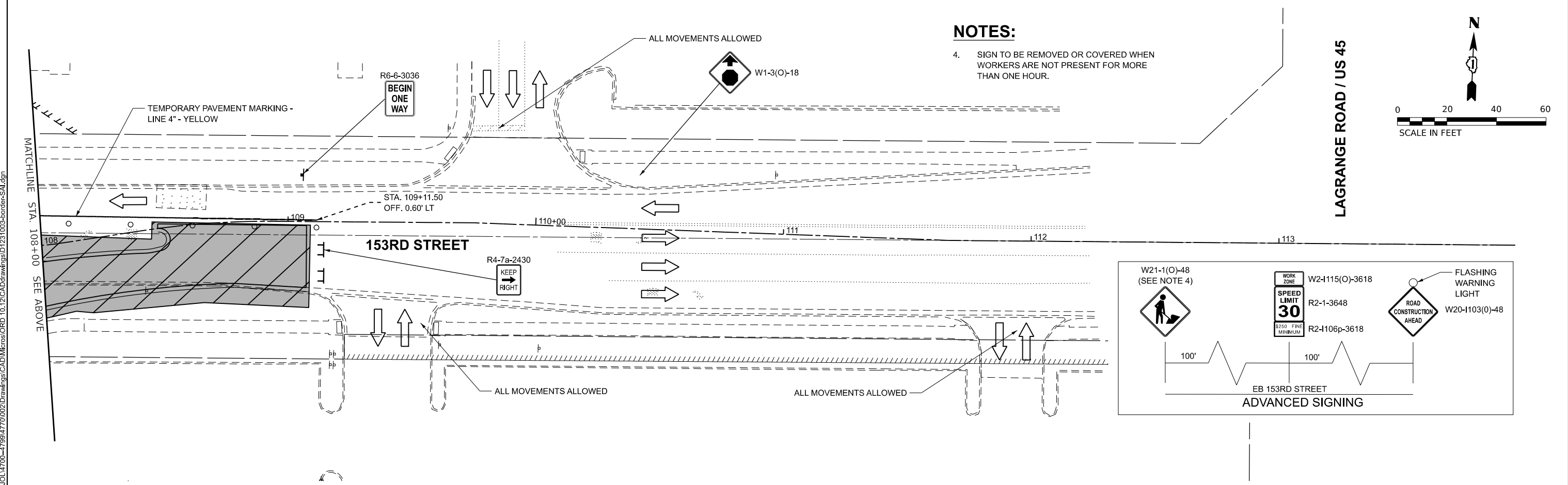
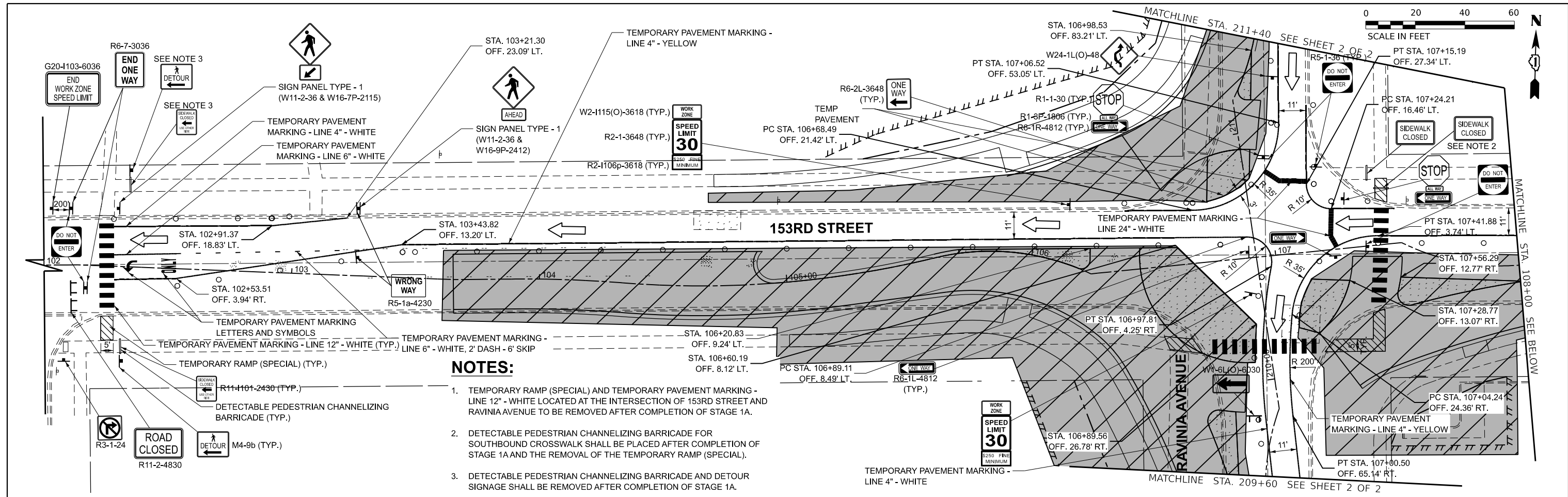
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	CHECKED - MAG	REVISED -
PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 STAGE 3 (PEDESTRIAN AND ACCESS MANAGEMENT PLAN)**

SCALE: 1"=200" SHEET 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00089-00-CH	COOK	99	36
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

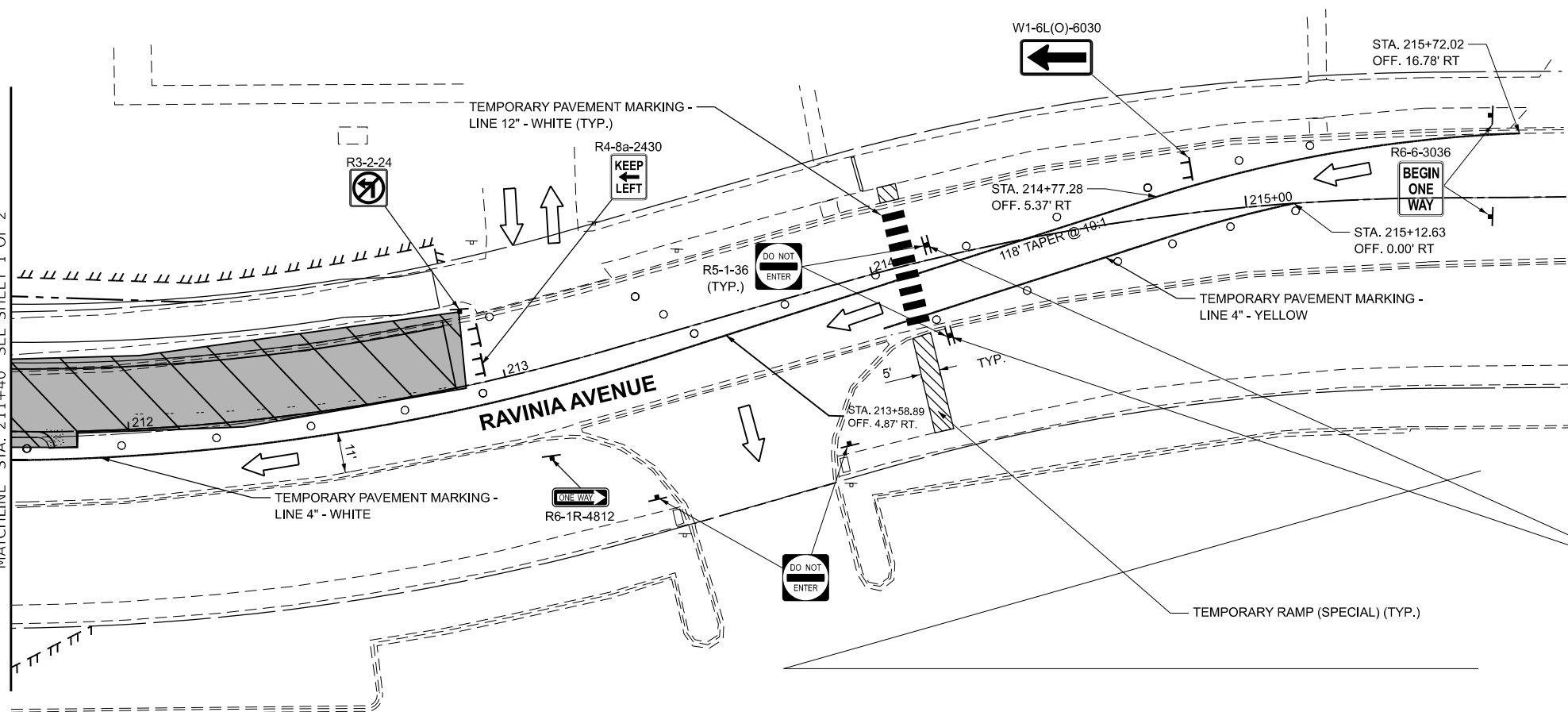
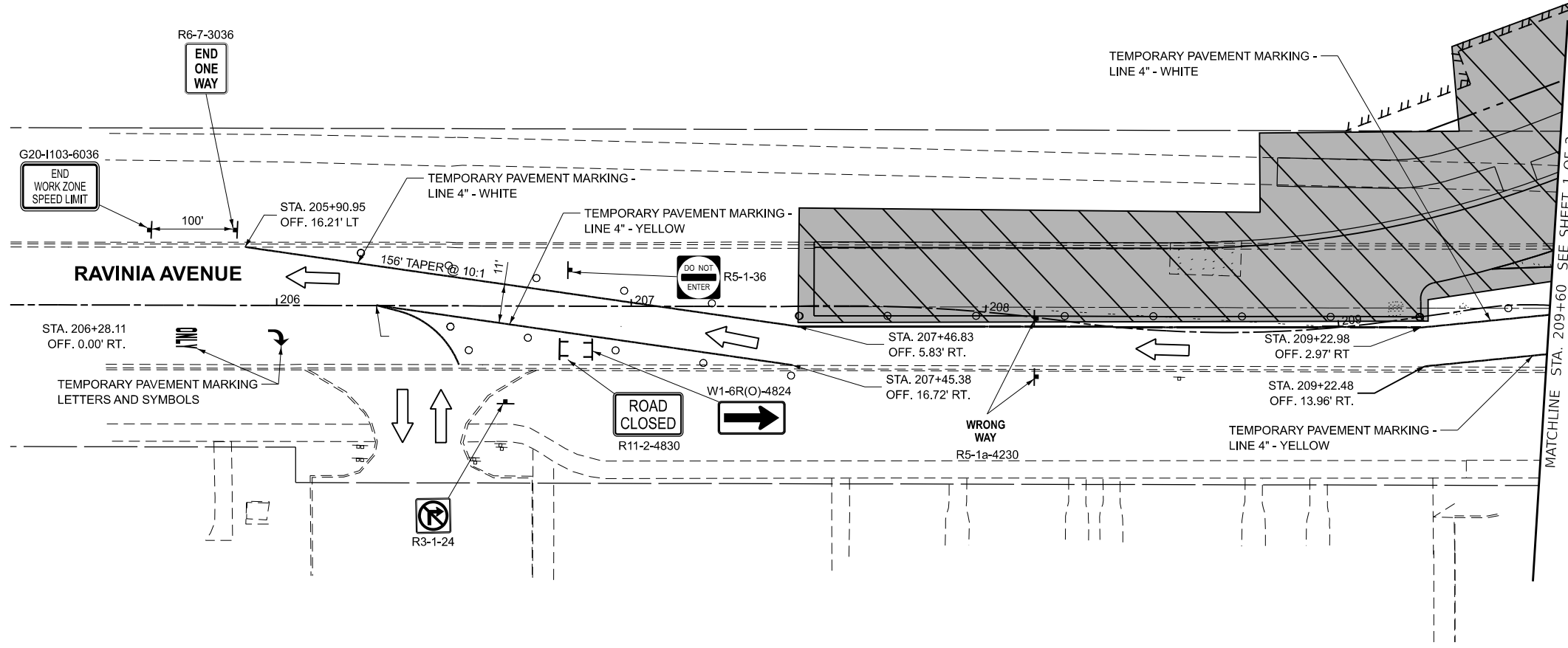
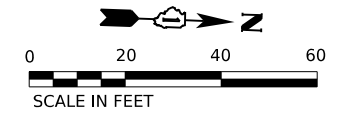
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PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 STAGE 1 (153RD STREET)**

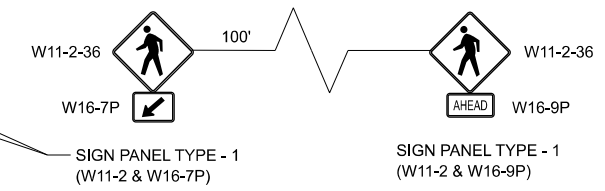
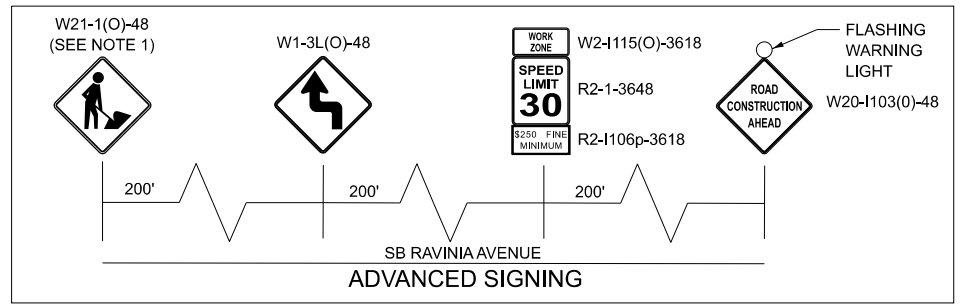
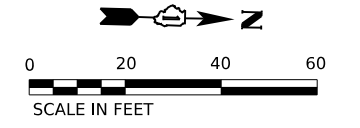
SCALE: 1"=20" SHEET 1 OF 2 SHEETS STA. 102+00.00 TO STA. 114+00.00

F.A.U. RTE. 1709	SECTION 21-00089-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 37
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



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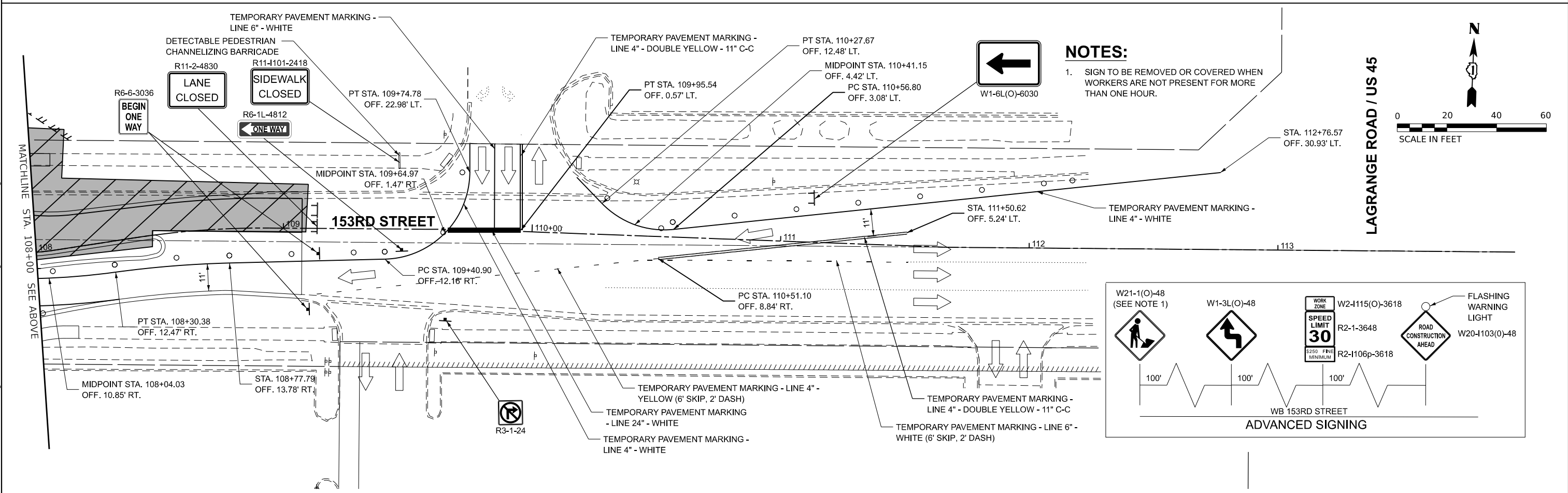
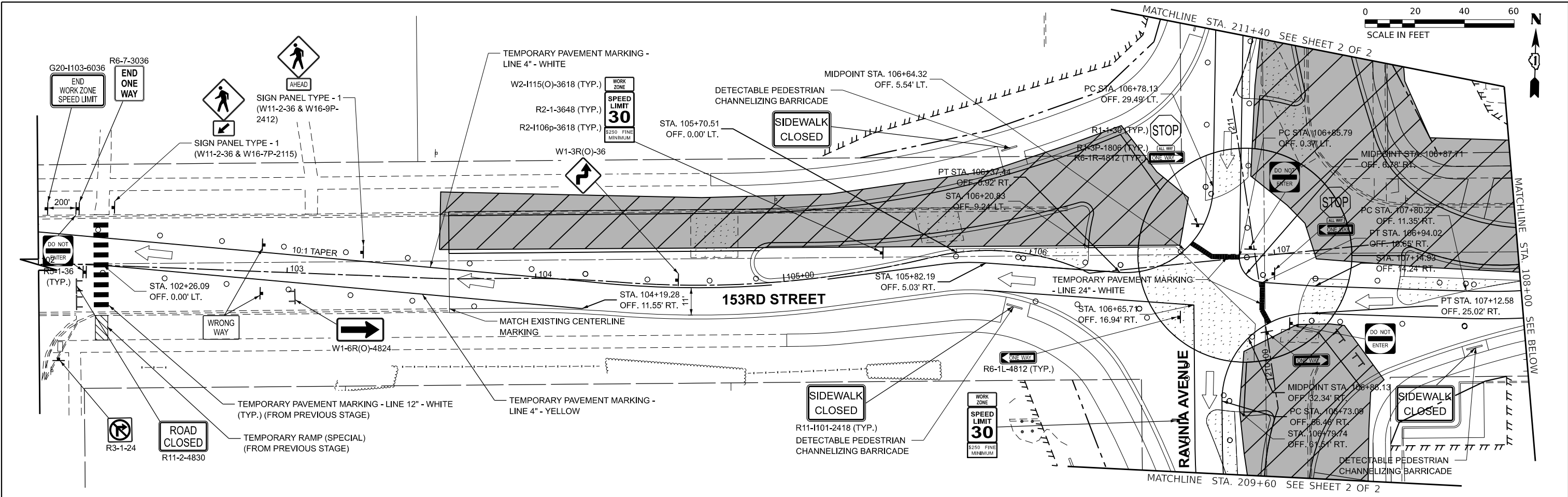
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

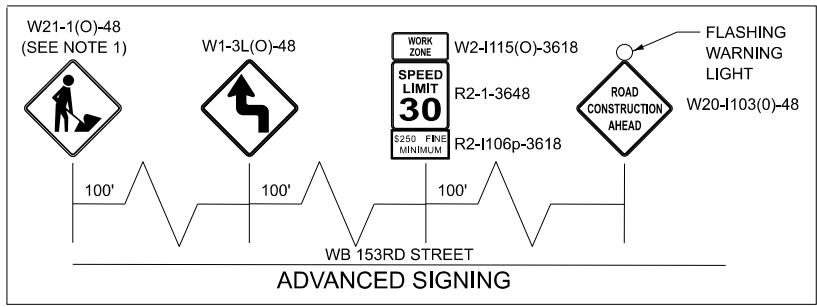
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 1 (RAVINIA AVENUE)**

SCALE: 1"=20" SHEET 2 OF 2 SHEETS STA. 206+00.00 TO STA. 214+00.00

F.A.U. RTE. 1709	SECTION 21-00089-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 38
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



NOTES:
 1. SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



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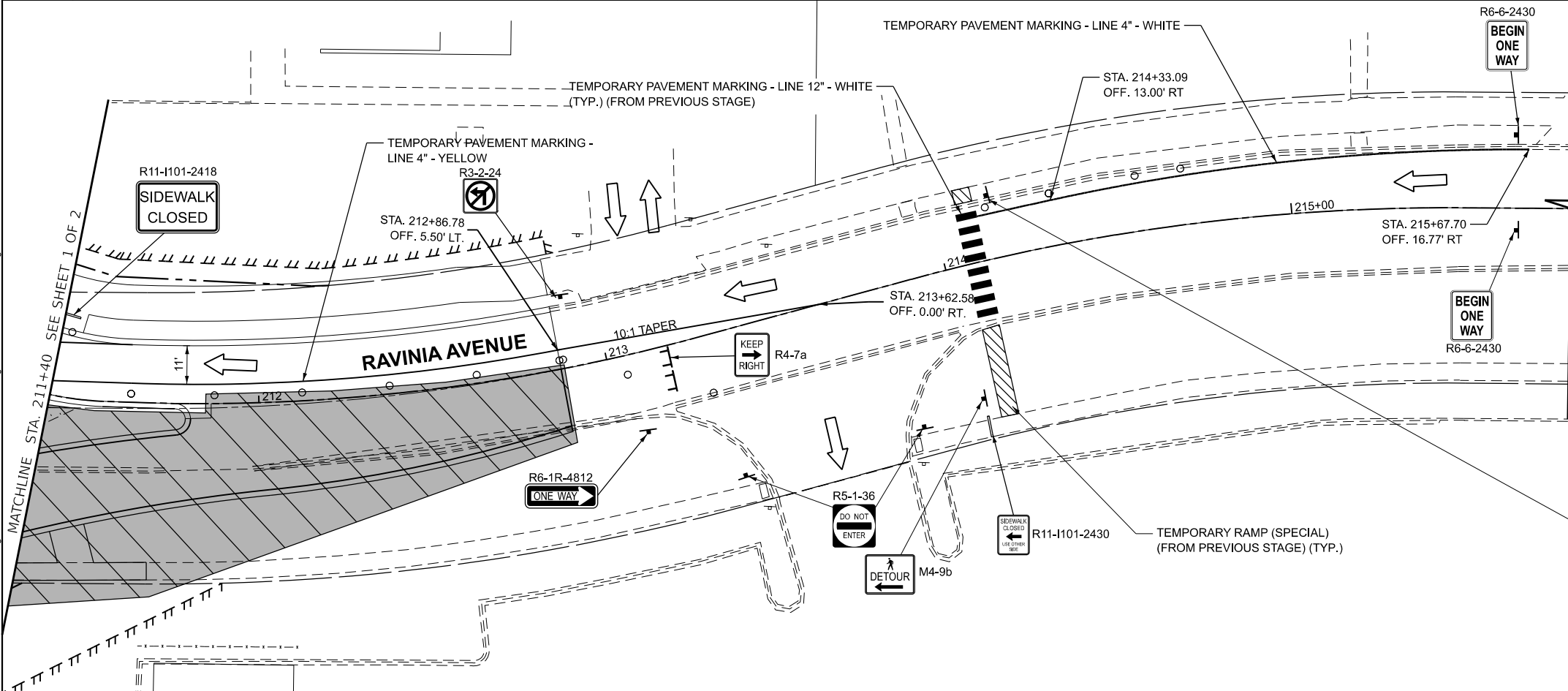
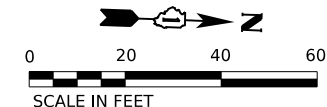
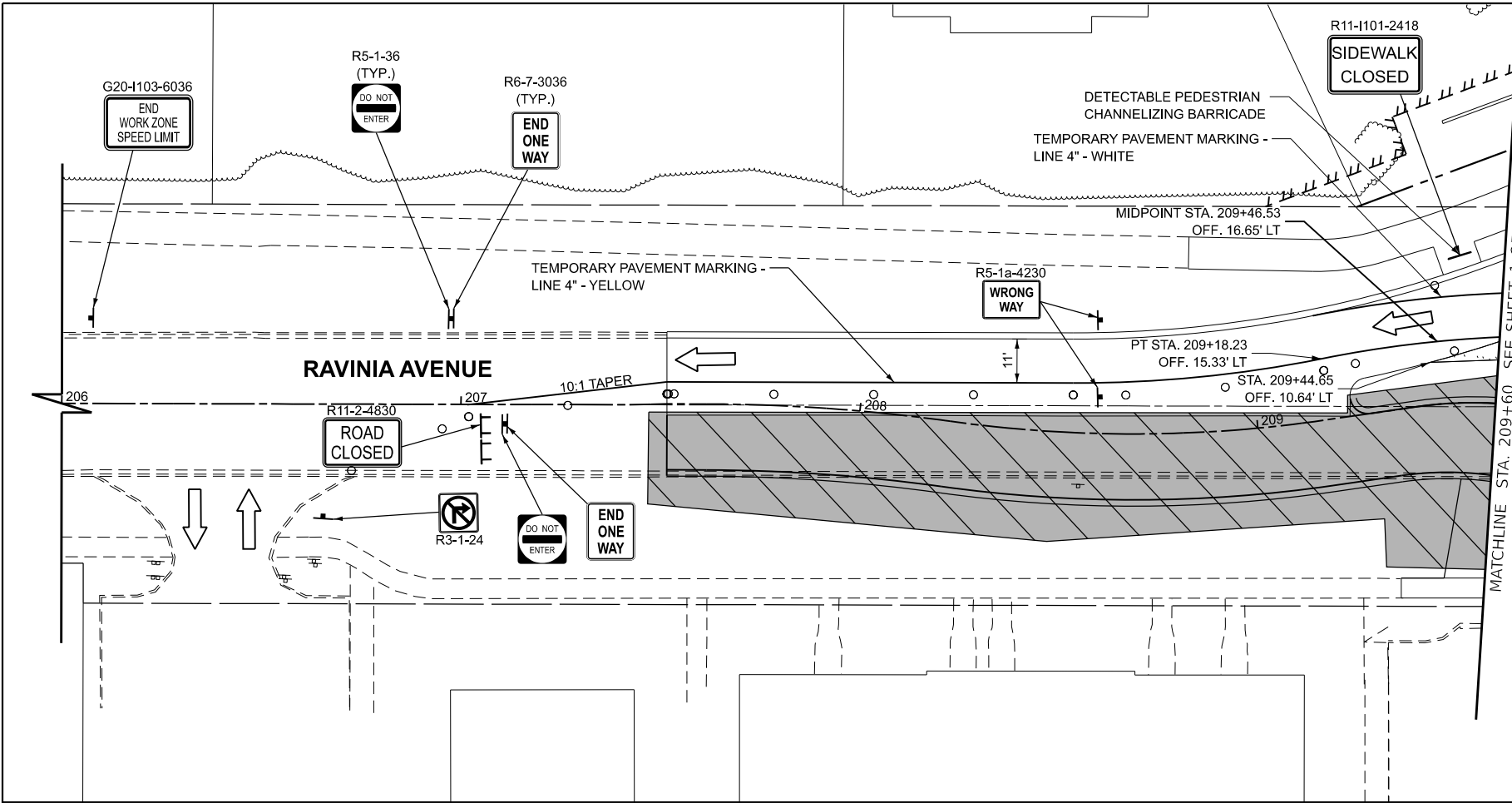
1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = jaker	DESIGNED - SRB	REVISED -
	DRAWN - JMR	REVISED -
	CHECKED - MAG	REVISED -
PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

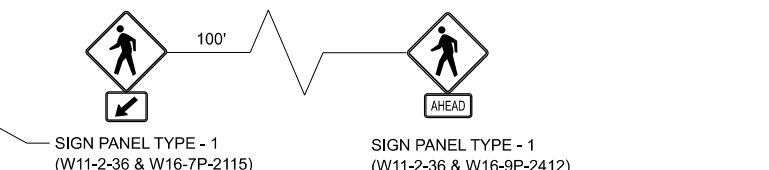
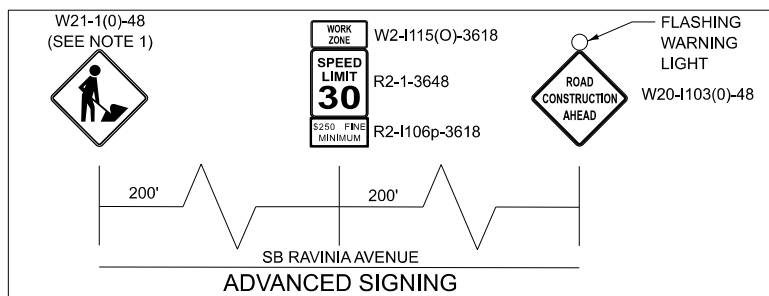
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
 STAGE 2 (153RD STREET)**
 SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 102+00.00 TO STA. 114+00.00

F.A.U. RTE. 1709	SECTION 21-00088-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 39
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1. SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



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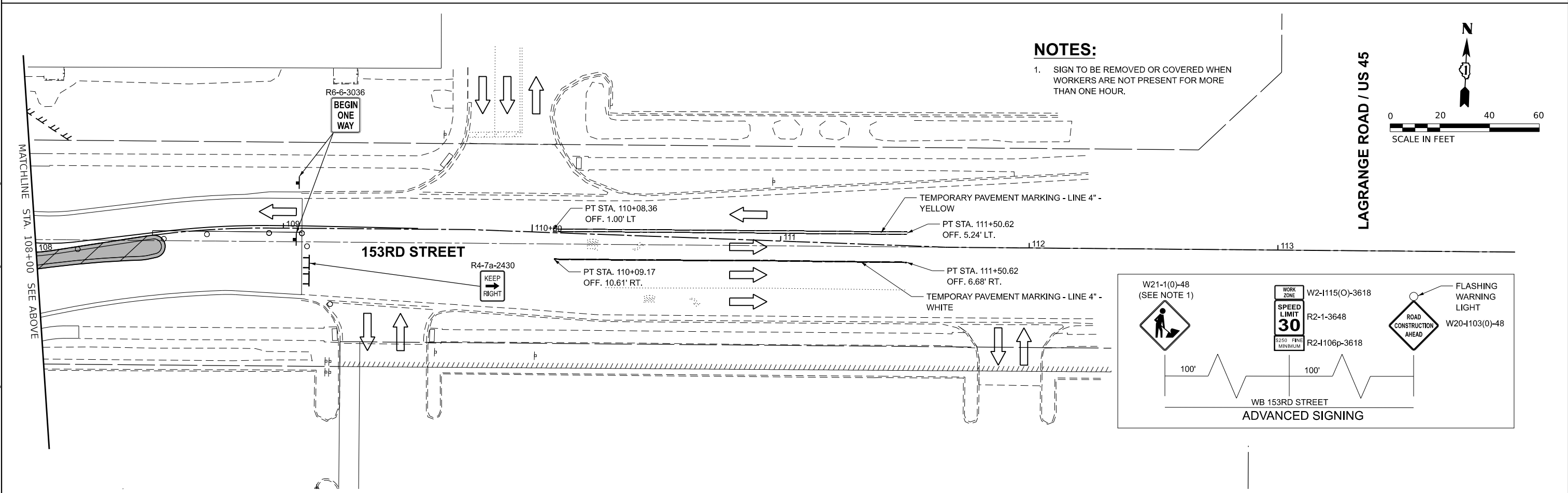
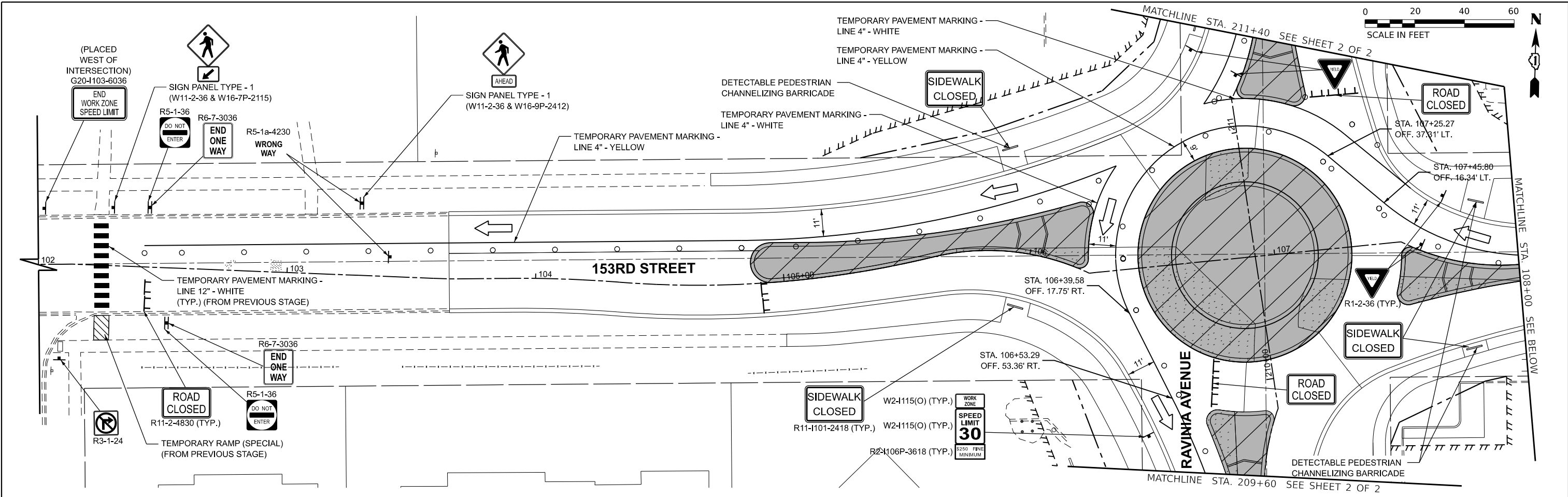
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PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

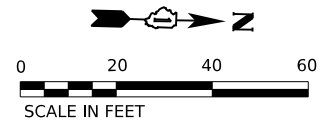
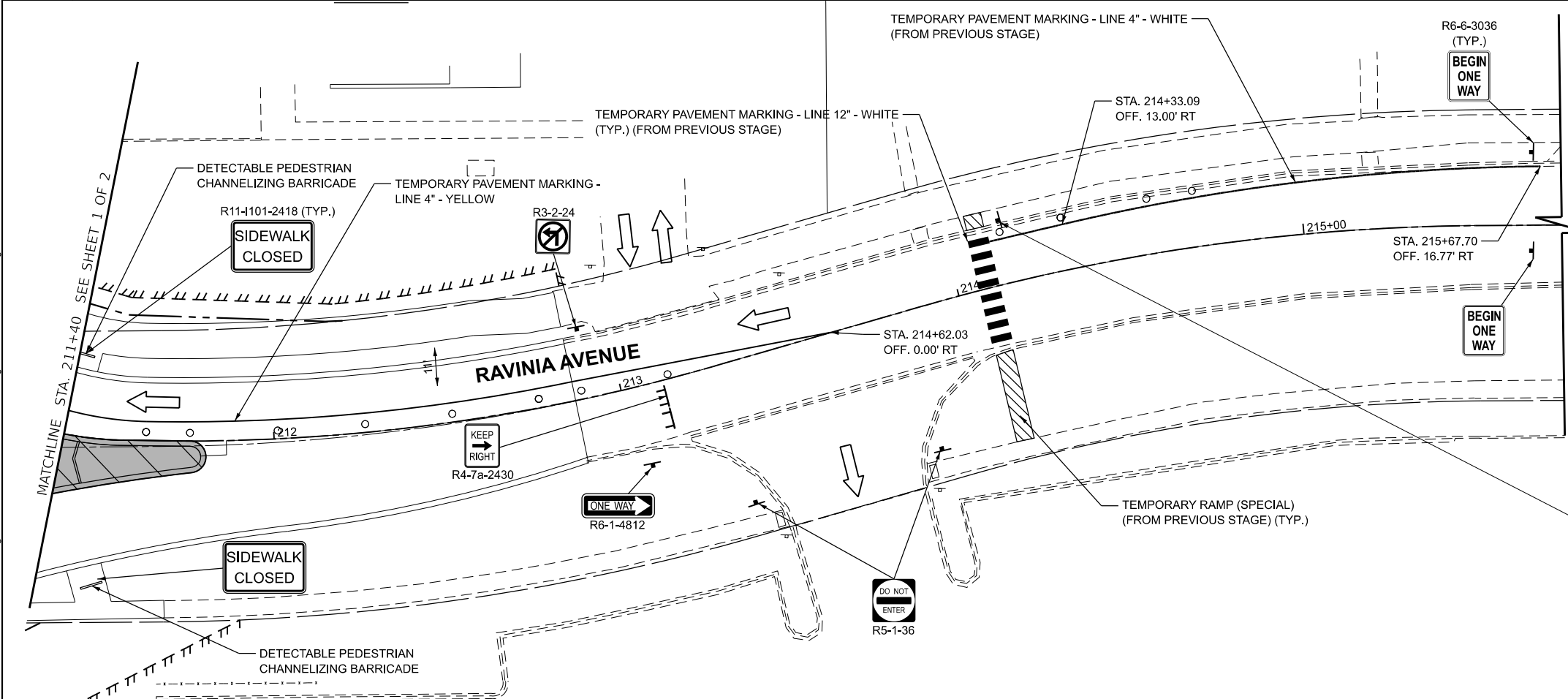
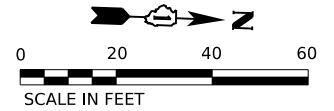
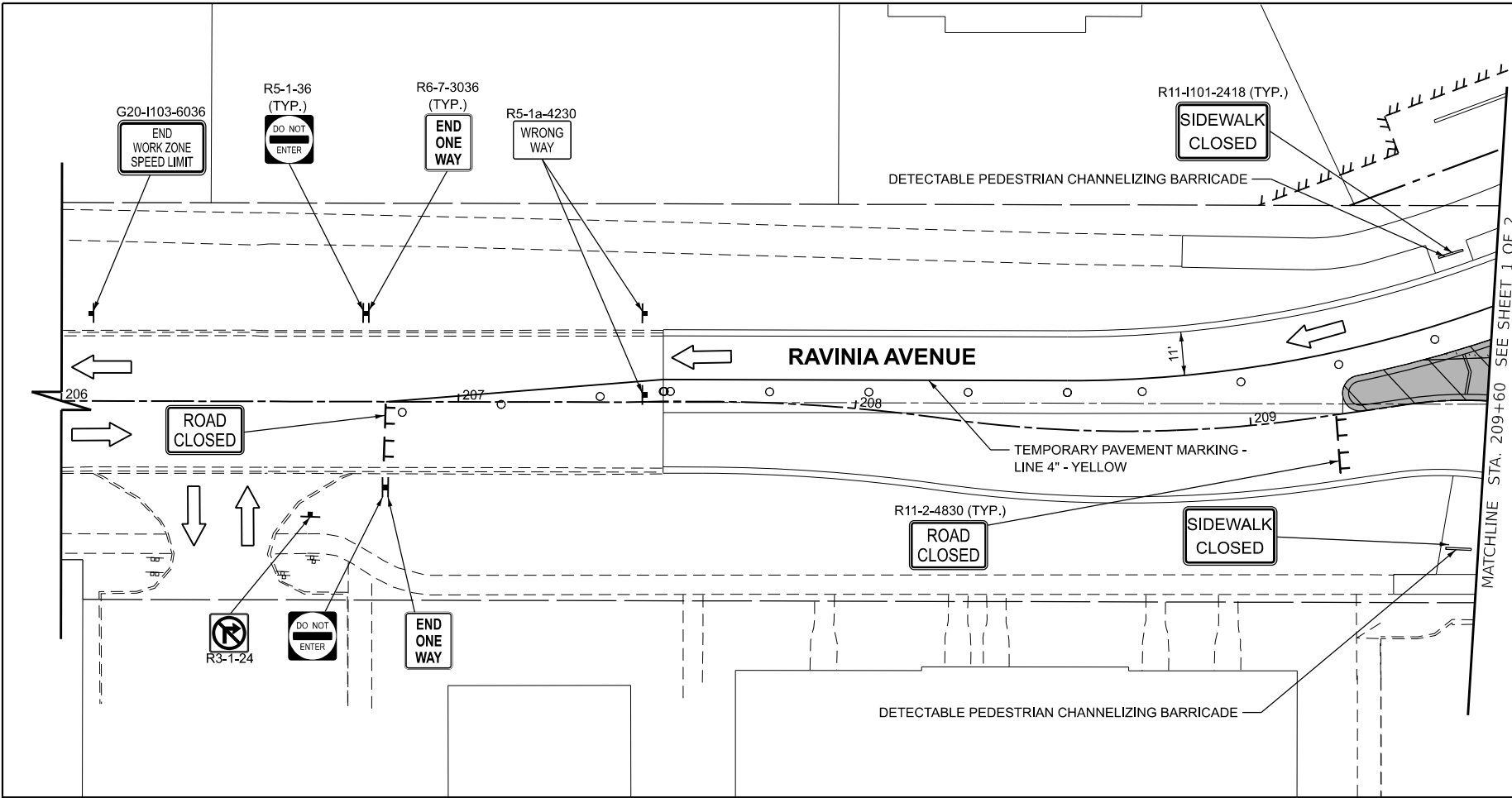
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 2 (RAVINIA AVENUE)**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 206+00.00 TO STA.

F.A.U. RTE. 1709	SECTION 21-00089-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 40
CONTRACT NO. 61M50				

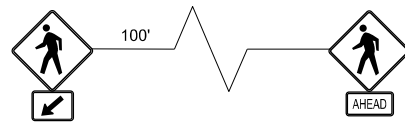
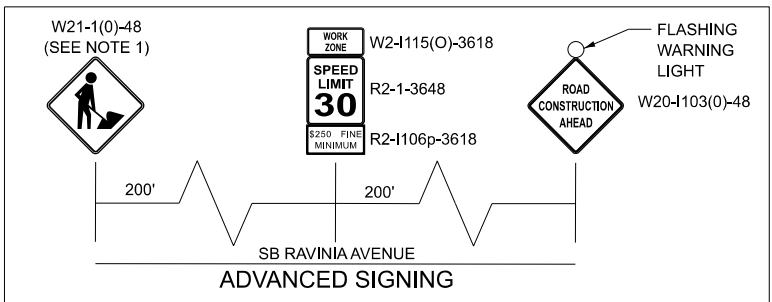


	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = jakar DESIGNED - SRB DRAWN - JMR CHECKED - MAG PLOT DATE = 3/9/2026	DESIGNED - SRB DRAWN - JMR CHECKED - MAG DATE - 3/9/2026	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 3 (153RD STREET)		SCALE: 1"=20" SHEET 1 OF 2 SHEETS STA. 102+00.00 TO STA. 114+00.00	F.A.U. RTE. 1709 SECTION 21-00089-00-CH COUNTY COOK TOTAL SHEETS 99 SHEET NO. 41 CONTRACT NO. 61M50 ILLINOIS FED. AID PROJECT
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NOTES:

1. SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



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	CHECKED - MAG	REVISED -
PLOT DATE = 3/9/2026	DATE - 3/9/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

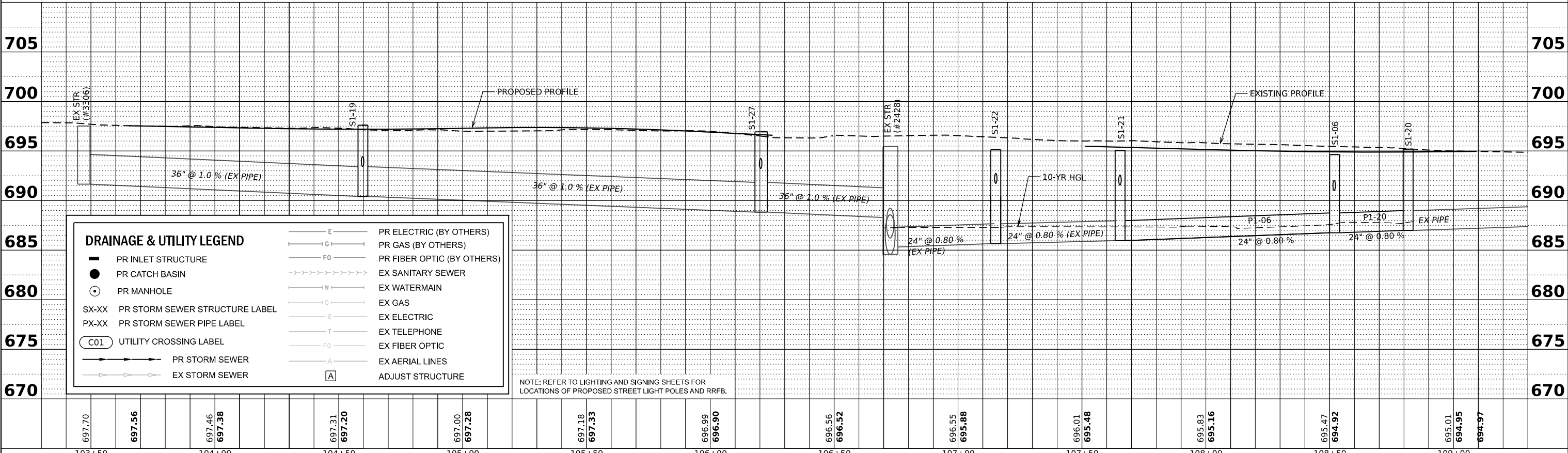
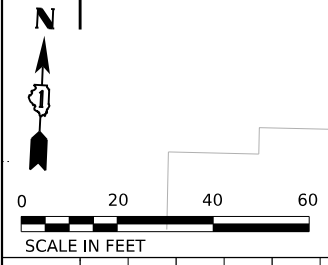
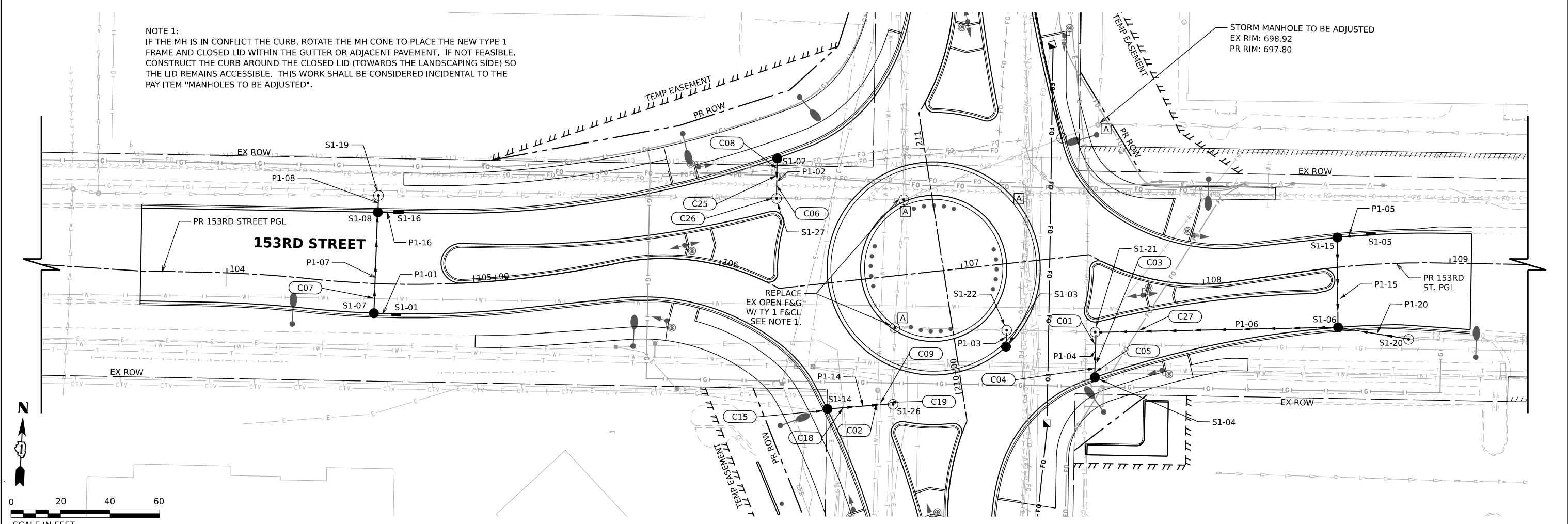
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
STAGE 3 (RAVINIA AVENUE)**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 206+00.00 TO STA. 214+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00089-00-CH	COOK	99	42
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

NOTE 1:
IF THE MH IS IN CONFLICT THE CURB, ROTATE THE MH CONE TO PLACE THE NEW TYPE 1 FRAME AND CLOSED LID WITHIN THE GUTTER OR ADJACENT PAVEMENT. IF NOT FEASIBLE, CONSTRUCT THE CURB AROUND THE CLOSED LID (TOWARDS THE LANDSCAPING SIDE) SO THE LID REMAINS ACCESSIBLE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "MANHOLES TO BE ADJUSTED".

STORM MANHOLE TO BE ADJUSTED
EX RIM: 698.92
PR RIM: 697.80



DRAINAGE & UTILITY LEGEND	
	PR INLET STRUCTURE
	PR CATCH BASIN
	PR MANHOLE
	PR STORM SEWER STRUCTURE LABEL
	PR STORM SEWER PIPE LABEL
	UTILITY CROSSING LABEL
	PR STORM SEWER
	EX STORM SEWER
	PR ELECTRIC (BY OTHERS)
	PR GAS (BY OTHERS)
	PR FIBER OPTIC (BY OTHERS)
	EX SANITARY SEWER
	EX WATERMAIN
	EX GAS
	EX ELECTRIC
	EX TELEPHONE
	EX FIBER OPTIC
	EX AERIAL LINES
	ADJUST STRUCTURE

NOTE: REFER TO LIGHTING AND SIGNING SHEETS FOR LOCATIONS OF PROPOSED STREET LIGHT POLES AND RRFB.

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V3
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

USER NAME	= cbaufista
PLOT SCALE	=
PLOT DATE	= 4/3/2026

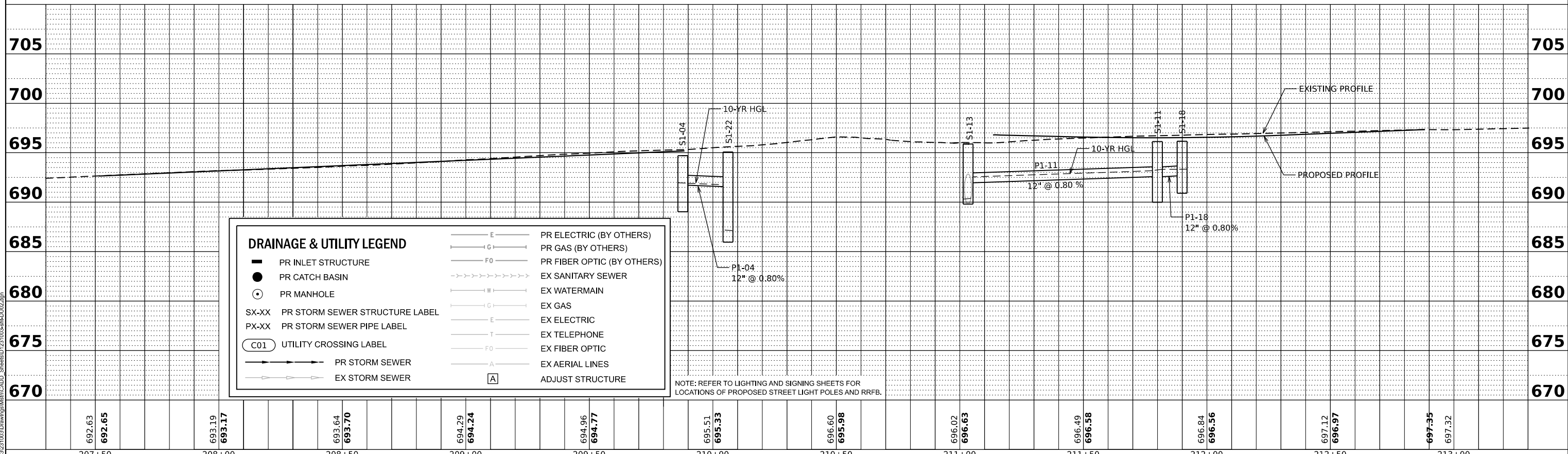
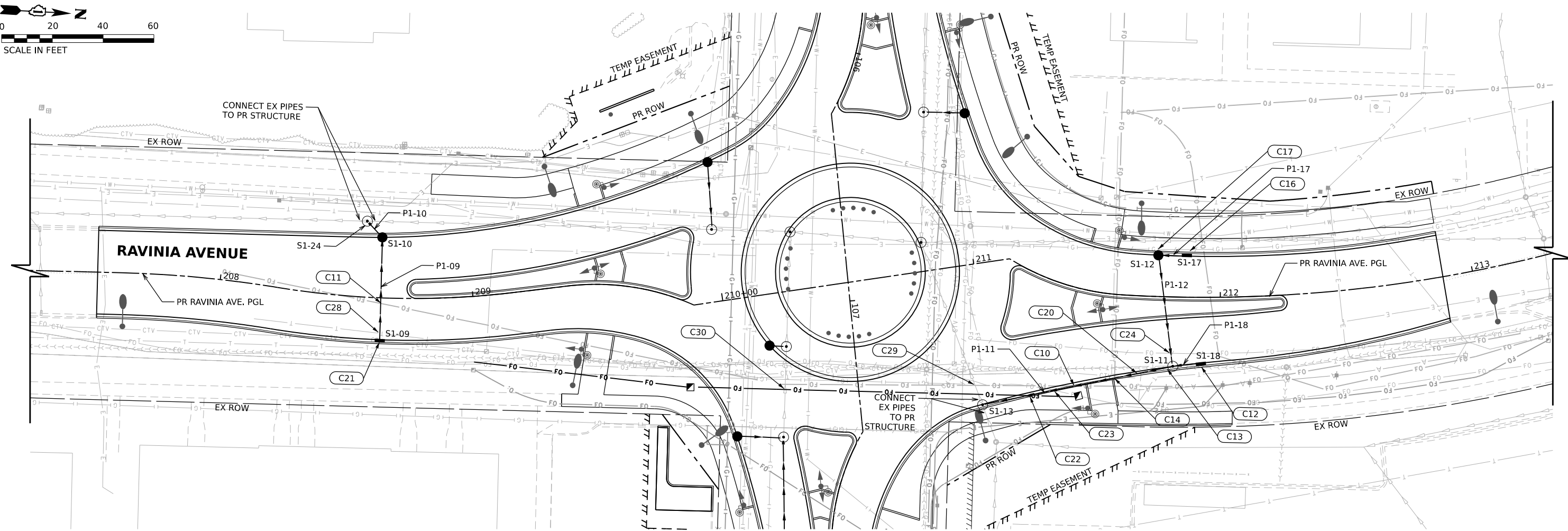
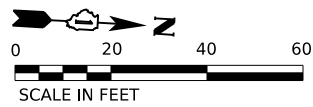
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CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN AND PROFILE: 153RD STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	43
CONTRACT NO. 61M50				
		ILLINOIS	FED. AID PROJECT	



DRAINAGE & UTILITY LEGEND	
	PR INLET STRUCTURE
	PR CATCH BASIN
	PR MANHOLE
	SX-XX PR STORM SEWER STRUCTURE LABEL
	PX-XX PR STORM SEWER PIPE LABEL
	C01 UTILITY CROSSING LABEL
	PR STORM SEWER
	EX STORM SEWER
	PR ELECTRIC (BY OTHERS)
	PR GAS (BY OTHERS)
	PR FIBER OPTIC (BY OTHERS)
	EX SANITARY SEWER
	EX WATERMAIN
	EX GAS
	EX ELECTRIC
	EX TELEPHONE
	EX FIBER OPTIC
	EX AERIAL LINES
	ADJUST STRUCTURE

NOTE: REFER TO LIGHTING AND SIGNING SHEETS FOR LOCATIONS OF PROPOSED STREET LIGHT POLES AND RRFB.

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USER NAME = cbaufista	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 4/3/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN AND PROFILE: RAVINIA AVENUE	
SCALE: 1"=20"	SHEET 2 OF 2 SHEETS
STA. 207+25.00	TO STA. 213+25.00

F.A.U. RTE. 1709	SECTION 21-00088-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 44
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

STORM SEWER PIPE SCHEDULE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE (%)	LENGTH (FT)	SIZE (IN)	ITEM	PAY ITEM	TB (CU YD)
P1-01	S1-01	S1-07	693.71	693.67	0.57%	7	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	0.5
P1-02	S1-02	S1-27	693.34	693.24	0.63%	16	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	1.5
P1-03	S1-03	S1-22	691.80	691.74	0.86%	7	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	0.5
P1-04	S1-04	S1-21	691.71	691.57	0.78%	18	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	1.3
P1-05	S1-05	S1-15	691.41	691.30	0.79%	14	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	1.1
P1-06	S1-06	S1-21	686.75	685.97	0.80%	98	24	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	550A2560	104.1
P1-07	S1-07	S1-08	693.67	693.42	0.61%	41	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	3.6
P1-08	S1-08	S1-19	693.42	693.38	0.57%	7	15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	550A2330	0.9
P1-09	S1-09	S1-10	690.52	690.20	0.80%	40	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	2.4
P1-10	S1-10	S1-24	690.20	690.13	0.78%	9	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	1.0
P1-11	S1-11	S1-13	692.58	691.97	0.79%	77	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	9.4
P1-12	S1-12	S1-11	693.12	692.77	0.80%	44	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	3.0
P1-14	S1-14	S1-26	692.12	691.95	0.63%	27	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	2.9
P1-15	S1-15	S1-06	691.30	691.01	0.81%	36	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	3.5
P1-16	S1-16	S1-08	693.71	693.66	0.56%	9	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	0.7
P1-17	S1-17	S1-12	693.20	693.12	0.67%	12	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	0.6
P1-18	S1-18	S1-11	692.67	692.58	0.90%	10	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	550A2320	1.0
P1-20	S1-20	S1-06	686.99	686.75	0.83%	29	24	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	550A2560	16.5

PIPE UNDERDRAIN SCHEDULE

START STATION	END STATION	LT/CENT/RT	ALIGNMENT	PAY ITEM	QUANTITY
207+51.58	209+88.49	LT	RAVINIA AVE	PIPE UNDERDRAINS, TYPE 2, 4"	60
207+51.58	209+88.49	RT	RAVINIA AVE	PIPE UNDERDRAINS, TYPE 2, 4"	60
211+14.26	212+88.19	LT	RAVINIA AVE	PIPE UNDERDRAINS, TYPE 2, 4"	44
211+14.26	212+88.19	RT	RAVINIA AVE	PIPE UNDERDRAINS, TYPE 2, 4"	44
103+65.25	106+25.78	LT	153RD STREET	PIPE UNDERDRAINS, TYPE 2, 4"	66
103+65.25	106+25.78	RT	153RD STREET	PIPE UNDERDRAINS, TYPE 2, 4"	66
107+51.75	109+08.62	LT	153RD STREET	PIPE UNDERDRAINS, TYPE 2, 4"	40
107+51.75	109+08.62	RT	153RD STREET	PIPE UNDERDRAINS, TYPE 2, 4"	40
300+00.00	302+70.17	CENT	ROUNDABOUT	PIPE UNDERDRAINS, TYPE 2, 4"	68
300+00.00	302+70.17	RT	ROUNDABOUT	PIPE UNDERDRAINS, TYPE 2, 4"	68
TOTAL					556

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET (FT)	ALIGNMENT	STRUCTURE TYPE	FRAME AND GRATE	RIM ELEV. (FT)	INVERT AND DIRECTION	INVERT AND DIRECTION	INVERT AND DIRECTION	PAY ITEM NO.
S1-01	104+67.52	12.00	PR_153RD	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	696.96	693.71 W			60236800
S1-02	106+08.24	-47.97	PR_153RD	CATCH BASINS, TYPE C	TYPE 11 FRAME AND GRATE	696.63	693.34 S			60207905
S1-03	210+15.83	21.05	PR_RAVINIA	CATCH BASINS, TYPE C	TYPE 1 FRAME, OPEN LID	695.00	691.80 N			60206905
S1-04	209+87.89	20.46	PR_RAVINIA	CATCH BASINS, TYPE C	TYPE 11 FRAME AND GRATE	694.71	691.71 N			60207905
S1-05	108+68.97	-12.00	PR_153RD	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	694.66	691.41 W			60236800
S1-06	108+52.07	24.13	PR_153RD	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	694.63	691.01 N	686.75 W	686.75 E	60201105
S1-07	104+60.00	12.00	PR_153RD	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	696.96	693.67 E	693.67 N		60201105
S1-08	104+60.00	-28.77	PR_153RD	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	696.96	693.42 S	693.42 N	693.66 E	60201105
S1-09	208+63.92	16.50	PR_RAVINIA	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	693.52	690.52 W			60236800
S1-10	208+63.39	-23.84	PR_RAVINIA	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	693.52	690.20 E	690.20 SW		60201105
S1-11	211+80.52	27.36	PR_RAVINIA	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	696.14	692.58 N	692.58 S	692.77 W	60219300
S1-12	211+74.98	-16.48	PR_RAVINIA	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	696.19	693.12 N	693.12 E		60201105
S1-13	210+96.53	53.60	PR_RAVINIA	DOGHOUSE MANHOLES, 5'-DIAMETER (MH, SPECIAL)	TYPE 11 FRAME AND GRATE	695.89	691.97 NW	689.82 EX SW	689.82 EX NE	X6020084 & 60404800
S1-14	106+39.96	50.48	PR_153RD	CATCH BASINS, TYPE C	TYPE 11 FRAME AND GRATE	695.58	692.12 E			60207905
S1-15	108+55.70	-12.00	PR_153RD	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	694.67	691.30 E	691.30 S		60201105
S1-16	104+69.43	-28.86	PR_153RD	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	696.96	693.71 W			60236800
S1-17	211+85.58	-16.50	PR_RAVINIA	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	696.20	693.20 S			60236800
S1-18	211+89.97	26.06	PR_RAVINIA	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	696.17	692.67 S			60236800
S1-19	104+59.78	-35.57	PR_153RD	DOGHOUSE MANHOLES, 5'-DIAMETER (MH, SPECIAL)	TYPE 1 FRAME, CLOSED LID	697.60	693.38 S	690.42 EX W	690.42 EX E	X6020084 & 60406100
S1-20	108+82.81	30.76	PR_153RD	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	695.19	686.99 EX E	686.99 W		60218400
S1-21	107+65.40	27.23	PR_153RD	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	695.08	685.97 E	685.97 EX W	691.57 S	60218400
S1-22	107+15.21	26.05	PR_RAVINIA	DOGHOUSE MANHOLES, 4'-DIAMETER (MH, SPECIAL)	TYPE 1 FRAME, CLOSED LID	695.14	691.74 S	685.68 EX W	685.68 EX E	X6020084 & 60406100
S1-24	208+56.46	-29.97	PR_RAVINIA	DOGHOUSE MANHOLES, 5'-DIAMETER (MH, SPECIAL)	TYPE 1 FRAME, CLOSED LID	694.08	690.13 NE	683.57 EX N	683.57 EX S	X6020084 & 60406100
S1-26	209+98.00	-27.01	PR_RAVINIA	DOGHOUSE MANHOLES, 6'-DIAMETER (MH, SPECIAL)	TYPE 1 FRAME, CLOSED LID	695.69	691.95 W	684.38 EX N	684.38 EX S	X6020084 & 60406100
S1-27	106+11.86	-32.54	PR_153RD	DOGHOUSE MANHOLES, 5'-DIAMETER (MH, SPECIAL)	TYPE 1 FRAME, CLOSED LID	696.92	693.24 N	688.83 EX W	688.83 EX E	X6020084 & 60406100

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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 4/3/2026	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULES

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	45
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

STORM SEWER UTILITY CROSSING SCHEDULE

Crossing No.	Proposed Storm Sewer							Utility					Estimated Clearance (FT)	Notes
	Pipe ID	Pipe Diameter (IN)	Pipe thickness (IN)	Additional Str depth (IN)	Bottom of Structure	Bottom of Pipe	Top of Pipe	Type of Utility	Estimated Pipe Diameter (IN)	Ground Elevation ¹	Estimated Depth below Ground (FT)	Estimated Top of Utility		
C01	P1-04	12	2	0	N/A	691.44	692.78	GAS (TO BE ABANDONED)	4	695.80	3	692.80	-0.31	POSSIBLE CONFLICT
C02	P1-14	12	2	0	N/A	691.82	693.15	WM	12	696.06	6	690.06	1.76	CLEAR
C03	P1-04	12	2	0	N/A	691.50	692.84	TELE	4	695.96	3	692.96	-0.21	POSSIBLE CONFLICT
C04	P1-04	12	2	0	N/A	691.51	692.85	WM	12	696.00	6	690.00	1.51	CLEAR
C05	P1-04	12	2	4	691.21	691.54	692.88	TELE	4	696.21	3	693.21	0.00	POSSIBLE CONFLICT
C07	P1-07	12	2	0	N/A	693.47	694.80	WM	12	696.86	6	690.86	2.61	CLEAR
C08	P1-02	12	2	0	N/A	693.14	694.48	FO (TO BE ABANDONED)	4	697.45	3	694.45	-0.36	POSSIBLE CONFLICT
C09	P1-14	12	2	0	N/A	691.81	693.15	TELE	4	695.99	3	692.99	-0.49	POSSIBLE CONFLICT
C10	P1-11	12	2	0	N/A	692.10	693.44	FO	4	697.87	3	694.87	1.10	CLEAR
C11	P1-09	12	2	0	N/A	690.24	691.57	FO	4	693.73	3	690.73	-1.18	POSSIBLE CONFLICT
C14	P1-11	12	2	0	N/A	692.22	693.56	FO	4	697.96	3	694.96	1.07	CLEAR
C14	P1-11	12	2	0	N/A	692.22	693.56	CTV	4	697.96	3	694.96	1.07	CLEAR
C15	P1-14	12	2	4	691.62	691.95	693.29	ELEC & CABLE	4	696.76	3	693.76	0.14	CLEAR
C16	P1-17	12	2	4	692.70	693.03	694.37	GAS (TO BE ABANDONED)	4	696.81	3	693.81	-0.89	POSSIBLE CONFLICT
C17	P1-12	12	2	40	689.62	692.95	694.29	GAS (TO BE ABANDONED)	4	696.73	3	693.73	-0.89	POSSIBLE CONFLICT
C18	P1-14	12	2	0	N/A	691.92	693.25	CTV & ELEC	4	696.56	3	693.56	-0.02	POSSIBLE CONFLICT
C19	P1-14	12	2	6	691.28	691.78	693.12	TELE	4	695.69	3	692.69	-0.76	POSSIBLE CONFLICT
C20	P1-11	12	2	0	N/A	692.29	693.63	CTV	4	698.02	3	695.02	1.06	CLEAR
C20	P1-11	12	2	0	N/A	692.29	693.63	TELE	4	698.02	3	695.02	1.06	CLEAR
C21	P1-09	12	2	4	690.02	690.35	691.69	CTV	4	693.83	3	690.83	-1.19	POSSIBLE CONFLICT
C22	P1-11	12	2	0	N/A	691.95	693.28	FO	1.25	696.02	9.5	686.52	5.43	CLEAR
C29	EX Pipe	36	4	0	N/A	689.23	692.90	FO	1.25	695.99	9.5	686.49	2.74	CLEAR
C30	EX Pipe	24	3	0	N/A	686.06	688.56	FO	1.25	695.16	9.5	685.66	0.40	CLEAR
C23	P1-11	12	2	0	N/A	692.03	693.37	FO	4	697.87	3	694.87	1.17	CLEAR
C24	P1-12	12	2	0	N/A	692.64	693.98	FO (TO BE ABANDONED)	4	696.99	3	693.99	-0.32	POSSIBLE CONFLICT
C25	P1-02	12	2	0	N/A	693.13	694.46	PR FO	4	696.80	5	691.80	1.33	CLEAR
C26	P1-02	12	2	6	692.57	693.07	694.41	GAS (TO BE ABANDONED)	4	696.89	3	693.89	-0.85	POSSIBLE CONFLICT
C27	P1-06	24	3	0	N/A	685.85	688.35	PR FO	4	695.09	3	692.09	3.41	CLEAR
C28	P1-09	12	2	0	N/A	690.33	691.66	TELE	4	693.79	3	690.79	-1.21	POSSIBLE CONFLICT

1. Existing ground elevations were used for existing utilities and proposed ground elevations were used to determined proposed utility depths.

STORM SEWER AND SANITARY SEWER CROSSING SCHEDULE

Crossing No.	Proposed Storm Sewer Information							Existing Sanitary Sewer Information				Clearance (FT)
	Pipe ID	Pipe Diameter (IN)	Pipe thickness (IN)	Additional Str depth (IN)	Bottom of Structure	Bottom of Pipe	Top of Pipe	Type of Utility	Pipe Diameter (IN)	Bottom of Pipe	Top of Pipe	
C06	P1-02	12	2	0	N/A	693.10	694.44	SAN	8	687.05	687.77	5.3
C12	P1-18	12	2	4	692.17	692.50	693.84	SAN	8	688.52	689.24	2.9
C13	P1-11	12	2	6	691.91	692.41	693.75	SAN	8	688.40	689.12	2.8

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USER NAME = cbautista
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 PLOT SCALE =
 PLOT DATE = 4/3/2026

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

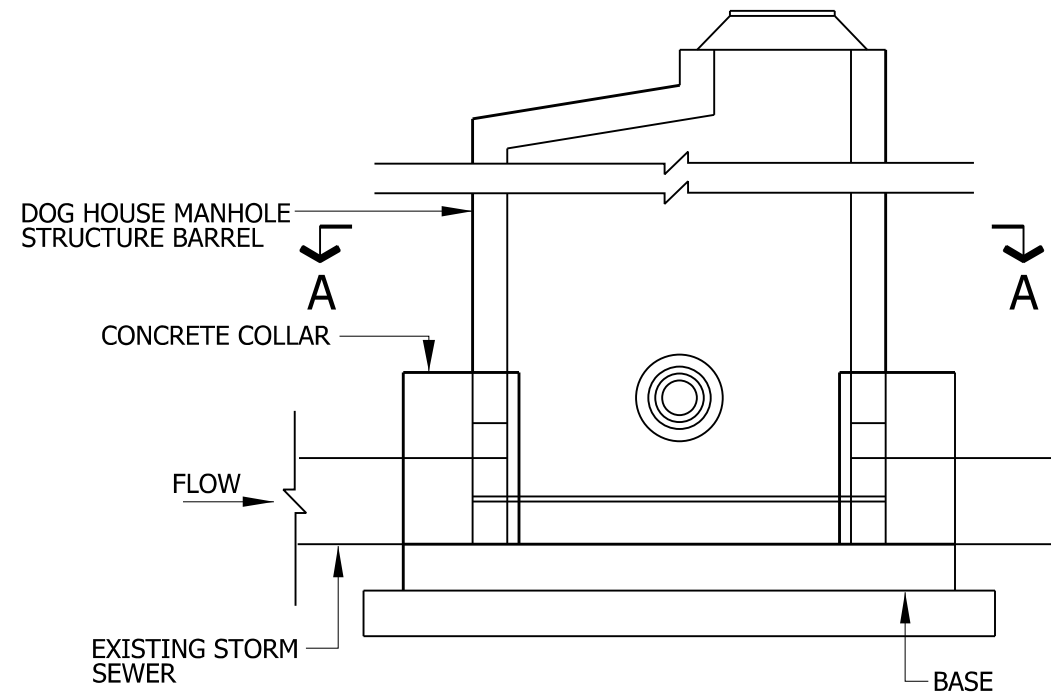
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

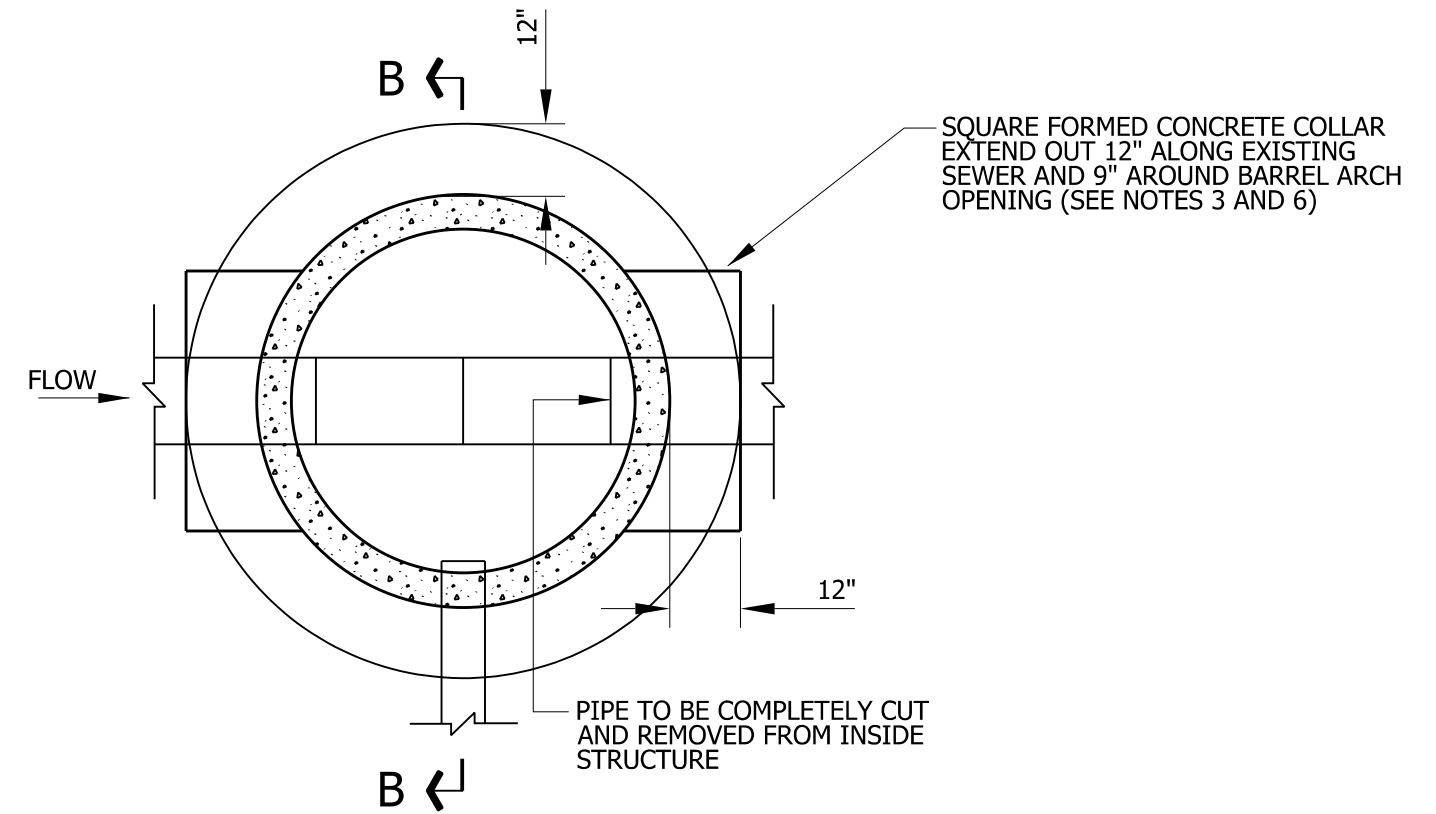
DRAINAGE SCHEDULES

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

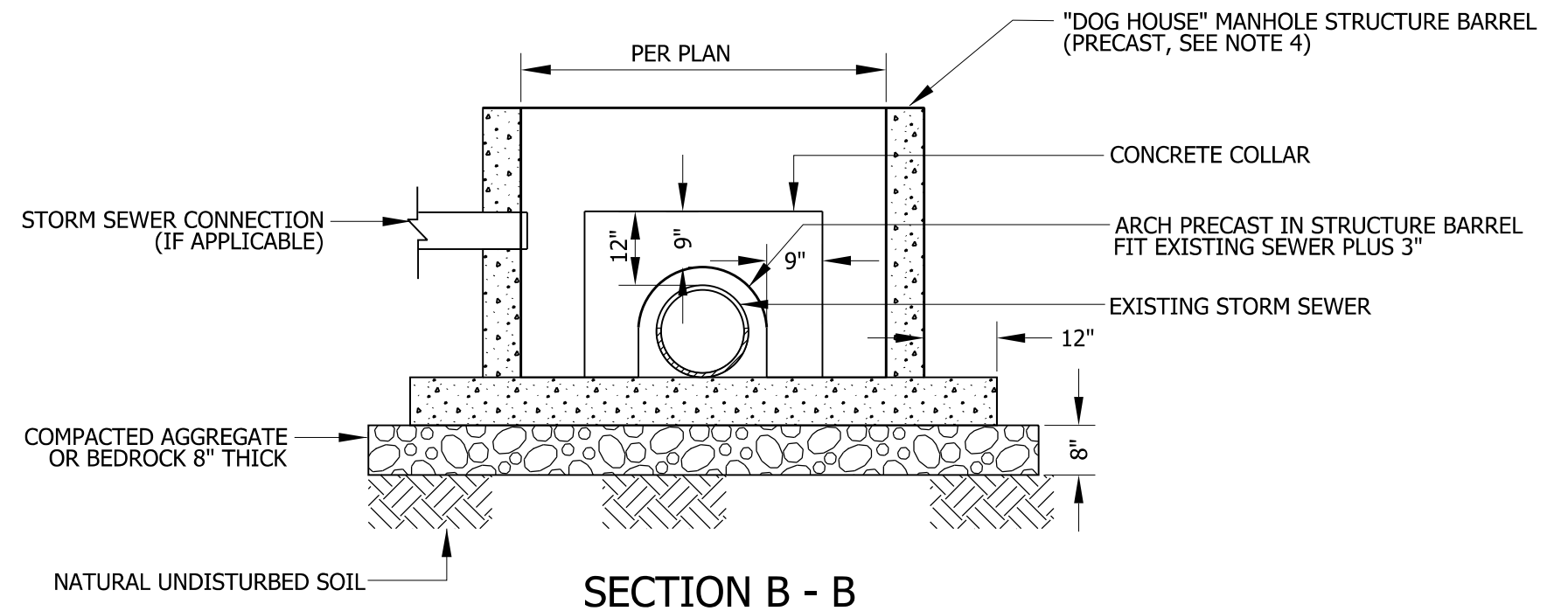
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	46
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



DOG HOUSE MANHOLE PROFILE



SECTION A - A



SECTION B - B

DOG HOUSE MANHOLE

NOTES:

1. ALL POURED-IN-PLACE CONCRETE MUST BE 4000 PSI NON-SHRINK MIX.
2. MANHOLE DIAMETER AS STATED IN PLANS.
3. CONCRETE BONDING AGENT MUST BE APPLIED TO ALL INTERFACES OF PRECAST CONCRETE SURFACES WITH POURED-IN-PLACE CONCRETE.
4. DEBRIS MUST NOT BE ALLOWED TO ENTER THE SEWER SYSTEM AT ANY TIME DURING CONSTRUCTION.
5. ALL DIMENSIONS NOTED ARE MINIMUM ALLOWED.
6. THE STRUCTURE MUST NOT BE BACKFILLED FOR A MINIMUM OF 24 HOURS AFTER CONSTRUCTION.

MODEL: Default
FILE NAME: N:\2022\2100\Drawings\Main\CADD_Sheets\2100-sh-h-detail1.dgn



USER NAME = cbautista	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 4/3/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAILS

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

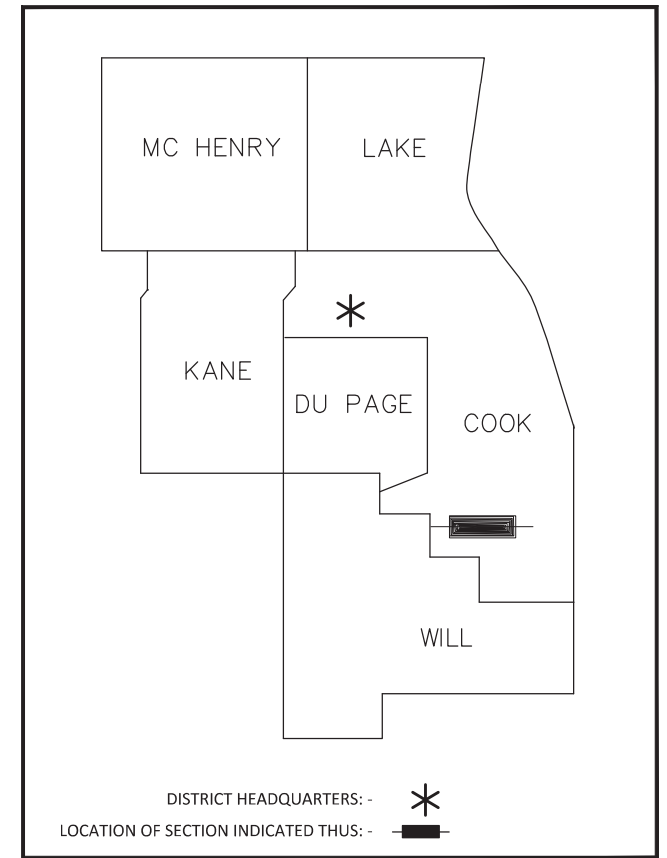
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	47
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

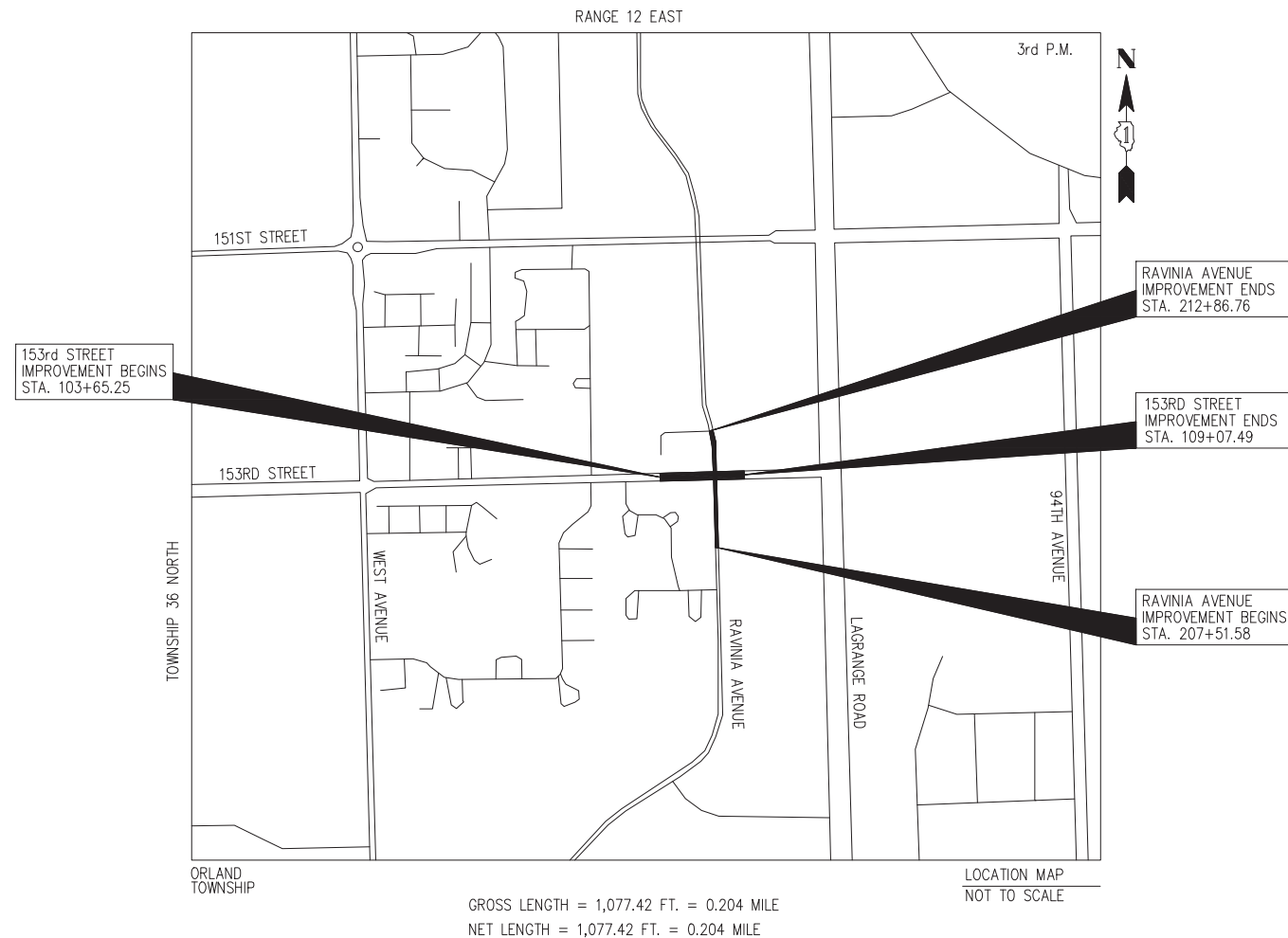
PLAT OF HIGHWAYS

ROUTE: RAVINIA AVENUE (FAU ROUTE 1709)
SECTION: 21-00088-00-CH
COUNTY: COOK
LIMITS: AT 153RD STREET
JOB NO.: R-55-001-97

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001	BRIXMOR RAVINIA PLAZA, LLC	5	
0002	ILLINOIS BELL TELEPHONE COMPANY	3	
0003	CHICAGO TITLE LAND TRUST COMPANY SUCCESSOR TO NORTHSTAR TRUST COMPANY SUCCESSOR TO FIRST NATIONAL BANK AS SUCCESSOR TO GREATBANC TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED AUGUST 11, 1998 KNOWN AS TRUST NO. 8109	4	
0004	RAVINIA GLENS TOWNHOME ASSOCIATION	3	



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



GROSS LENGTH = 1,077.42 FT. = 0.204 MILE
NET LENGTH = 1,077.42 FT. = 0.204 MILE

REVISION DATE: 04/17/2025 IDOT



Engineers | 7325 Janes Avenue, Suite 100
Scientists | Woodridge, IL 60517
Surveyors | 630.724.9200 voice
630.724.0384 fax
v3co.com

SHEET 1 OF 5 SHEETS

IDOT USE ONLY

APPROVED
By miguel coreano at 9:15 am, May 01, 2025

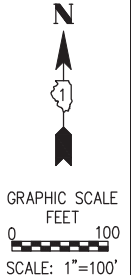
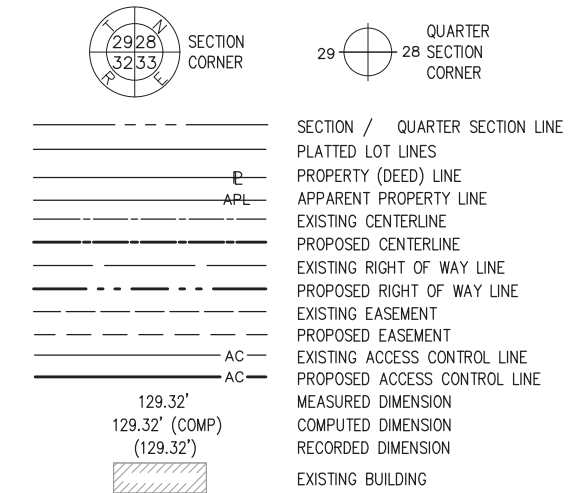
SHEET 48 OF 99

N:\2025\1028\Barrington\CD\2025\1028\1028_Plan\1028_Plan\1028_Plan.dwg, 4/17/2025 5:53:00 AM, DWG to PDF.plt

PART OF THE N.E. 1/4 OF SECTION 16, TWP. 36 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND



- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTES:
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "DK2010".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999966493.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT#	NORTHING	EASTING	STA.	OFFSET
201	1801642.622	1114181.601	100+00	0.00'
202	1801649.142	1114395.045	102+13.54	0.00'
203	1801646.533	1114546.728	103+65.25	0.00'
204	1801647.289	1114571.717	103+90.25	0.00'
205	1801646.717	1114615.136	104+33.69	0.00'
206	1801659.557	1114740.749	105+60.48	0.00'
207	1801654.502	1114803.944	106+25.12	0.00'
208	1801669.852	1114928.992	107+51.11	0.00'
209	1801662.994	1114984.384	108+07.86	0.00'
210	1801669.12	1115015.879	108+39.94	0.00'
211	1801675.173	1115069.821	108+94.28	0.00'
212	1801677.711	1115150.761	109+75.26	0.00'
213	1801678.086	1115342.649	111+67.15	0.00'
214	1801685.053	1115570.719	113+95.33	0.00'
215	1800615.799	1114907.801	200+00	0.00'
216	1801376.645	1114883.189	207+61.25	0.00'
217	1801437.965	1114885.391	208+22.65	0.00'
218	1801531.579	1114881.925	209+16.64	0.00'
219	1801555.009	1114877.707	209+40.45	0.00'
220	1801601.84	1114881.064	209+87.89	0.00'
221	1801725.734	1114859.58	211+13.63	0.00'
222	1801766.102	1114868.999	211+55.42	0.00'
223	1801773.745	1114869.07	211+63.07	0.00'
224	1801928.299	1114846.091	213+19.96	0.00'
225	1801995.195	1114825.067	213+90.08	0.00'
226	1802151.474	1114798.519	215+49.09	0.00'
227	1802541.255	1114786.027	219+39.08	0.00'

STATE OF ILLINOIS)
)SS
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WOODRIDGE, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

DRAFT

CHARLES W. BARTOSZ
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188
LICENSE EXPIRES ON NOVEMBER 30, 2026.
cbartosz@v3co.com



Engineers | 7325 Janes Avenue, Suite 100
Scientists | Woodridge, IL 60517
Surveyors | 630.724.9200 voice
630.724.0384 fax
v3co.com

PLAT OF HIGHWAYS
VILLAGE OF ORLAND PARK
DEPARTMENT OF TRANSPORTATION
RAVINIA AVENUE

LIMITS: AT 153RD STREET COUNTY: WLL
SECTION: 21-00088-00-CH JOB NO.: R-55-001-97
STA. 200+00 TO STA. 219+00
SCALE: 1"= 100' SHEET 2 OF 5 SHEETS

VILLAGE OF ORLAND PARK
14700 S. RAVINIA AVE.
ORLAND PARK, ILLINOIS 60462

REVISION DATE: 04/17/2025 REVISION MADE BY: CWB



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

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. IDOT STD. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTES:
 ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "DK2010".

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AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATE OF ILLINOIS)
 COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREIN IN SECTION 16, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WOODRIDGE, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

PRELIMINARY

CHARLES W. BARTOSZ
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188
 LICENSE EXPIRES ON NOVEMBER 30, 2026.
 cbartosz@v3co.com

Engineers | 7325 Janes Avenue, Suite 100
 Scientists | Woodridge, IL 60517
 Surveyors | 630.724.9200 voice
 | 630.724.0384 fax
 | v3co.com

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT#	NORTHING	EASTING	STA.	OFFSET
203	1801646.533	1114546.728	103+65.25	0.00'
204	1801647.289	1114571.717	103+90.25	0.00'
205	1801646.717	1114615.136	104+33.69	0.00'
206	1801659.557	1114740.749	105+60.48	0.00'
207	1801654.502	1114803.944	106+25.12	0.00'
217	1801437.965	1114885.391	208+22.65	0.00'
218	1801531.579	1114881.925	209+16.64	0.00'
219	1801555.009	1114877.707	209+40.45	0.00'
220	1801601.84	1114881.064	209+87.89	0.00'
221	1801725.734	1114859.58	211+13.63	0.00'
222	1801766.102	1114868.999	211+55.42	0.00'
223	1801773.745	1114869.07	211+63.07	0.00'
224	1801928.299	1114846.911	213+19.96	0.00'
228	1801662.674	1114870.515	106+92.19	0.00'
229	1801612.282	1114825.839	106+41.71	44.57'
230	1801539.319	1114828.178	209+33.78	-51.33'
231	1801611.362	1114795.856	106+25.12	43.89'
232	1801610.769	1114776.468	106+09.55	50.54'
233	1801548.469	1114803.719	209+44.20	-74.11'
234	1801552.293	1114813.029	209+45.69	-64.38'
235	1801702.755	1114839.948	106+66.73	-43.51'
236	1801698.042	1114685.811	105+11.20	-48.67'
237	1801715.734	1114760.976	105+82.50	-53.03'
238	1801732.168	1114804.729	106+07.6	-74.09'
239	1801750.668	1114823.415	211+26.01	-42.96'
240	1801769.154	1114828.304	211+58.10	-40.72'
241	1801826.271	1114828.796	212+19.60	-37.81'
242	1801889.605	1114817.222	212+89.34	-38.28'
243	1801890.742	1114822.09	212+89.27	-33.28'
244	1801777.666	1114837.548	211+66.94	-31.54'

SEE SHEET 5

SEE SHEET 4

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	
0002 0002TE	1.820	0.093	-	1.727	0.023	-	27-16-207-002
0004 0004TE	0.299	0.025	-	0.274	0.029	-	27-16-211-030



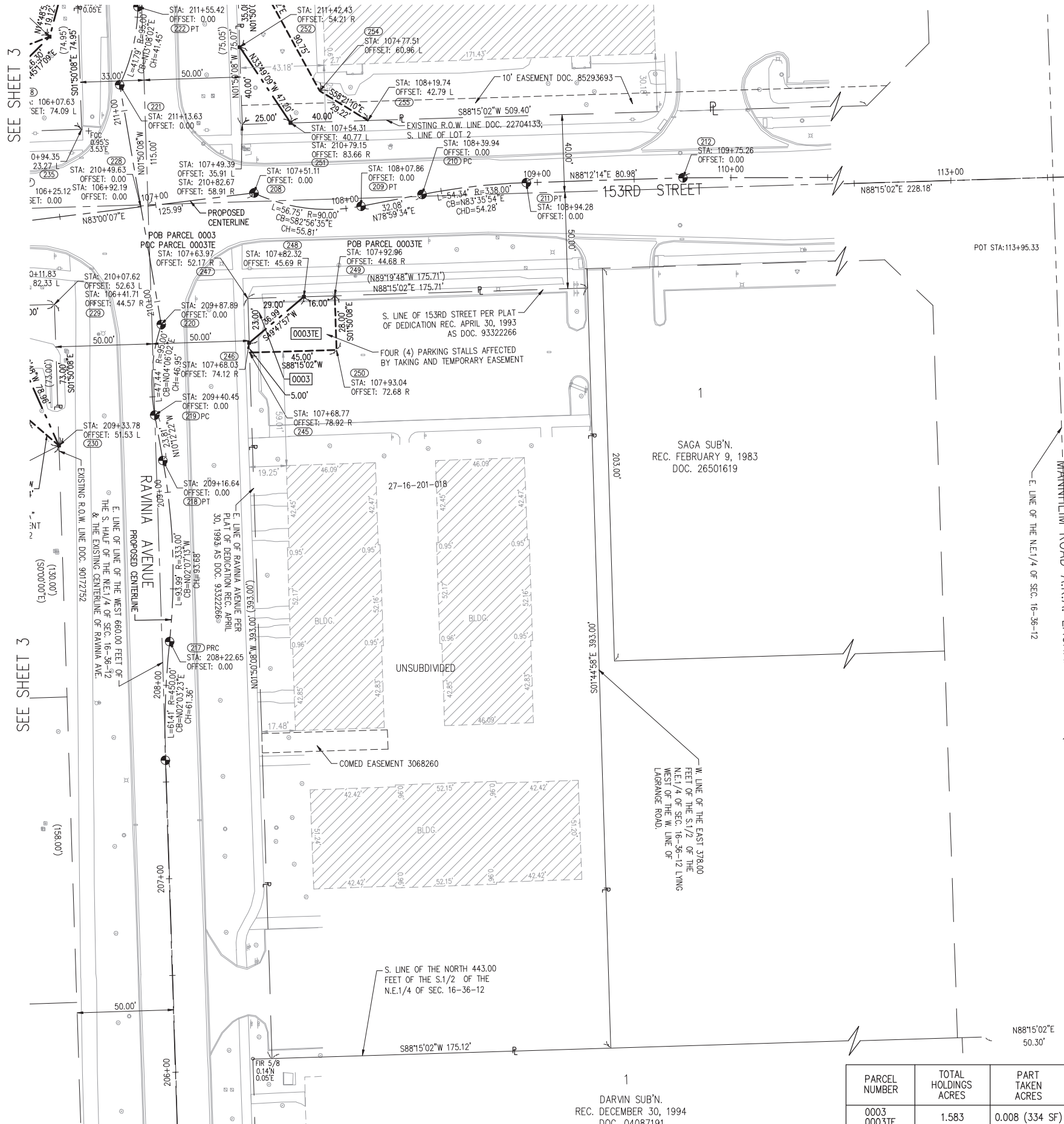
PLAT OF HIGHWAYS
 VILLAGE OF ORLAND PARK
 DEPARTMENT OF TRANSPORTATION
 RAVINIA AVENUE

LIMITS: AT 153RD STREET COUNTY: WLL
 SECTION: 21-00088-00-CH JOB NO.: R-55-001-97
 STA. 208+00.00 TO STA. 214+00.00
 SCALE: 1"= 30' SHEET 3 OF 5 SHEETS

VILLAGE OF ORLAND PARK
 14700 S. RAVINIA AVE.
 ORLAND PARK, ILLINOIS 60462

PART OF THE N.E. 1/4 OF SECTION 16, TWP. 36 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

SEE SHEET 5



SEE SHEET 3

SEE SHEET 3

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT#	NORTHING	EASTING	STA.	OFFSET
208	1801669.852	1114928.992	107+51.11	0.00'
209	1801662.994	1114984.384	108+07.86	0.00'
210	1801669.12	1115015.879	108+39.94	0.00'
211	1801675.173	1115069.821	108+94.28	0.00'
212	1801677.711	1115150.761	109+75.26	0.00'
217	1801437.965	1114885.391	208+22.65	0.00'
218	1801531.579	1114881.925	209+16.64	0.00'
219	1801555.009	1114877.707	209+10.45	0.00'
220	1801601.84	1114881.064	209+87.89	0.00'
221	1801725.734	1114859.58	211+13.63	0.00'
228	1801662.674	1114870.515	106+92.19	0.00'
229	1801612.282	1114825.839	106+41.71	44.57'
230	1801539.319	1114878.178	209+33.78	-51.33'
245	1801587.345	1114926.692	107+68.77	68.77'
246	1801592.342	1114926.532	107+68.03	74.12'
247	1801615.335	1114925.793	209+93.55	46.38'
248	1801616.216	1114954.782	207+82.32	45.69'
249	1801616.704	1114970.774	107+92.96	44.68'
250	1801588.719	1114971.671	107+93.04	72.68'

LEGEND

SECTION CORNER: 29 28 32 33

QUARTER: 29 28 SECTION CORNER

GRAPHIC SCALE: 1"=50'

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

APL

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

AC

AC

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

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

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

PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

UTILITIES

VEGETATION

SIGN

129.32' (129.32') (COMP)

5" MAG" NAIL SET

5 / 8" REBAR SET

NOTES:

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

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STATE OF ILLINOIS)
COUNTY OF DUPAGE)

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DATED AT WOODRIDGE, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

PRELIMINARY

CHARLES W. BARTOSZ
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188
LICENSE EXPIRES ON NOVEMBER 30, 2026.
cbartosz@v3co.com

Engineers | 7325 Janes Avenue, Suite 100
Scientists | Woodridge, IL 60517
Surveyors | 630.724.9200 voice
630.724.0384 fax
v3co.com

PLAT OF HIGHWAYS
VILLAGE OF ORLAND PARK
DEPARTMENT OF TRANSPORTATION
RAVINIA AVENUE

LIMITS: AT 153RD STREET COUNTY: WLL
SECTION: 21-00088-00-CH JOB NO.: R-55-001-97
STA. 206+00.0 TO STA. 211+00.00
SCALE: 1"= 30' SHEET 4 OF 5 SHEETS

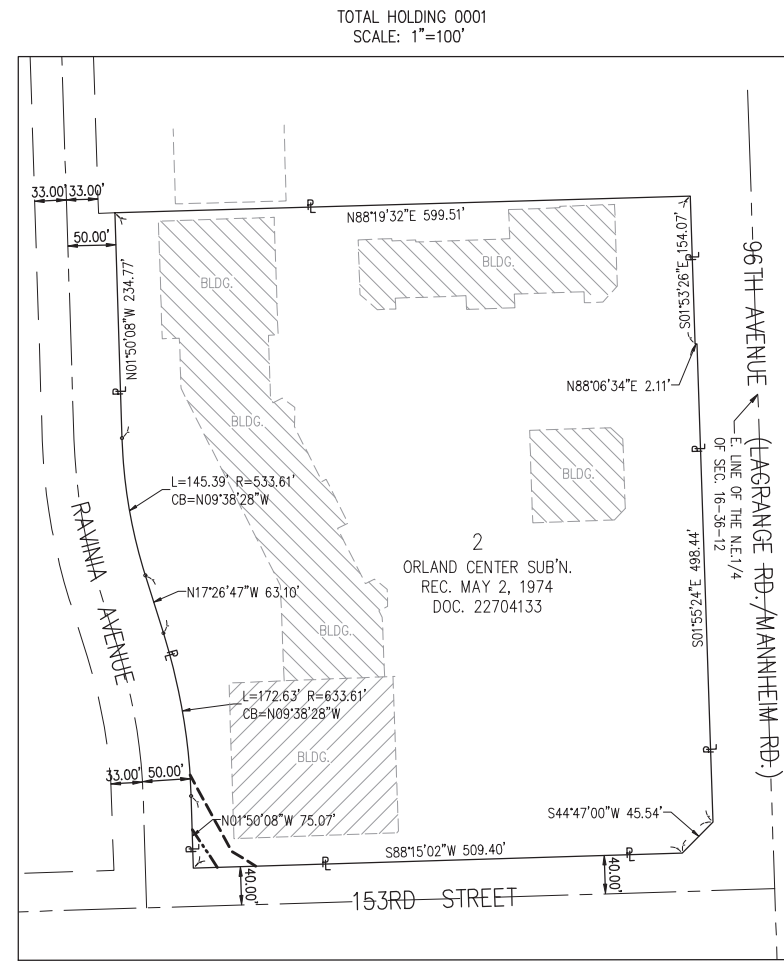
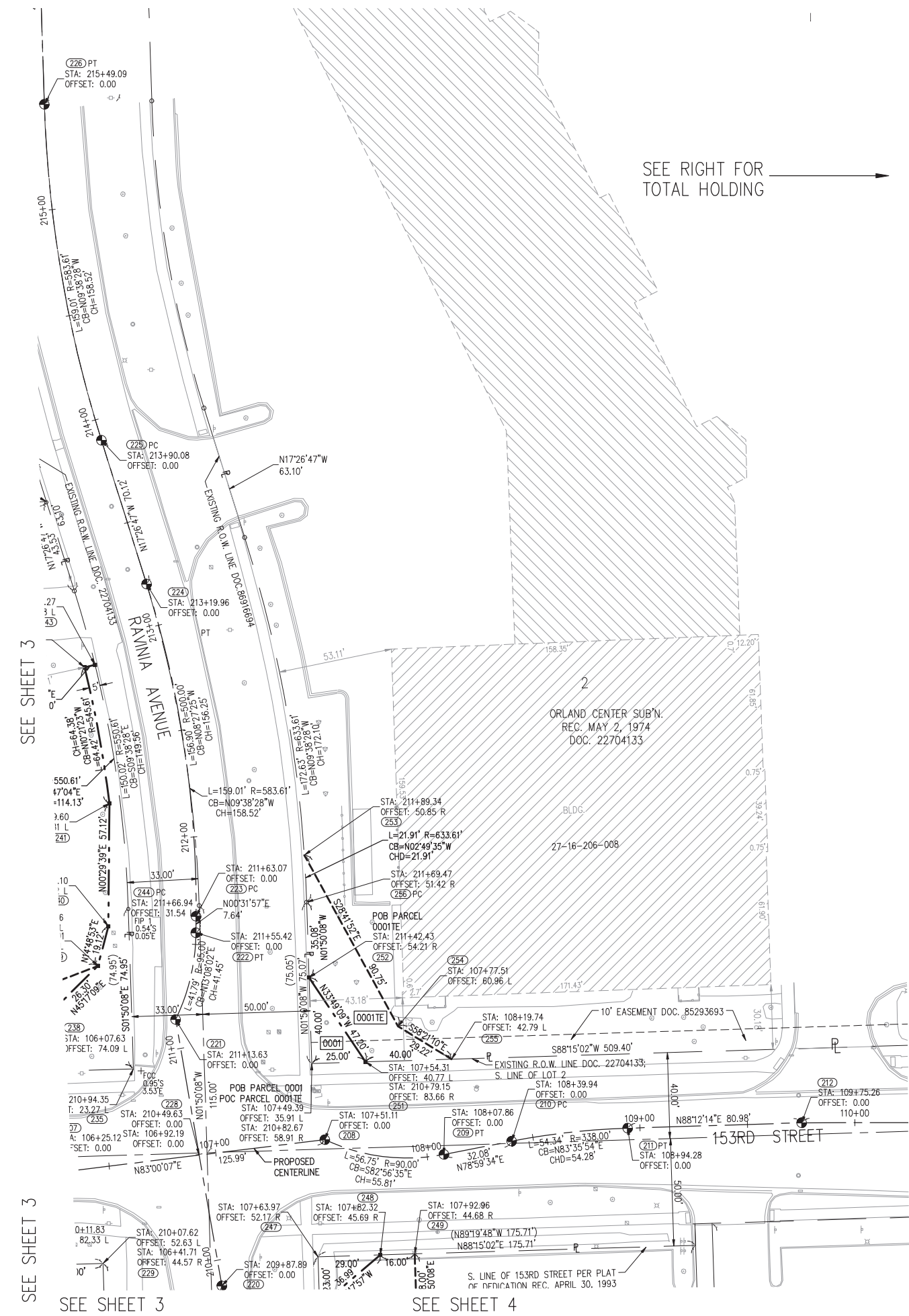
VILLAGE OF ORLAND PARK
14700 S. RAVINIA AVE.
ORLAND PARK, ILLINOIS 60462

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	
0003 0003TE	1.583	0.008 (334 SF)	-	1.575	0.021	-	27-16-201-018

DARVIN SUB'N.
REC. DECEMBER 30, 1994
DOC. 04087191

REVISION DATE: 04/17/2025 REVISION MADE BY: CWB

APPROVED
By Miguel Coronado at 9:15 am, May 01, 2025



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT#	NORTHING	EASTING	STA.	OFFSET
208	1801669.852	1114928.992	107+51.11	0.00'
209	1801662.994	1114984.384	108+07.86	0.00'
210	1801669.12	1115015.879	108+39.94	0.00'
211	1801675.173	1115069.821	108+94.28	0.00'
212	1801677.711	1115150.761	109+75.26	0.00'
222	1801766.102	1114868.999	211+55.42	0.00'
223	1801773.745	1114869.07	211+63.07	0.00'
224	1801928.299	1114846.091	213+19.96	0.00'
225	1801995.195	1114875.067	213+90.08	0.00'
228	1801662.674	1114870.515	106+92.19	0.00'
251	1801706.047	1114947.901	107+54.31	-40.77'
252	1801745.264	1114921.631	211+42.43	54.22'
253	1801802.208	1114919.425	211+89.34	50.85'
254	1801722.602	1114963.003	107+77.51	-60.96'
255	1801707.269	1114987.882	108+19.74	-42.79'
256	1801780.320	1114920.500	211+69.47	51.42'

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	
0001 0001TE	9.069	0.011	-	9.058	0.045	-	27-16-206-008

LEGEND

SECTION CORNER: 2928, 3233

QUARTER CORNER: 29, 28

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

UTILITIES

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

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

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. IDOT STD. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE FEET: 0, 50

SCALE: 1"=50'

NOTES:

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". TIED INTO AND HELD N.G.S. MONUMENT "DK2010".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999966493.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATE OF ILLINOIS)
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, V3 COMPANIES, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 18400902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREIN IN SECTION 16, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WOODRIDGE, ILLINOIS THIS ___ DAY OF _____ 20__ A.D.

PRELIMINARY

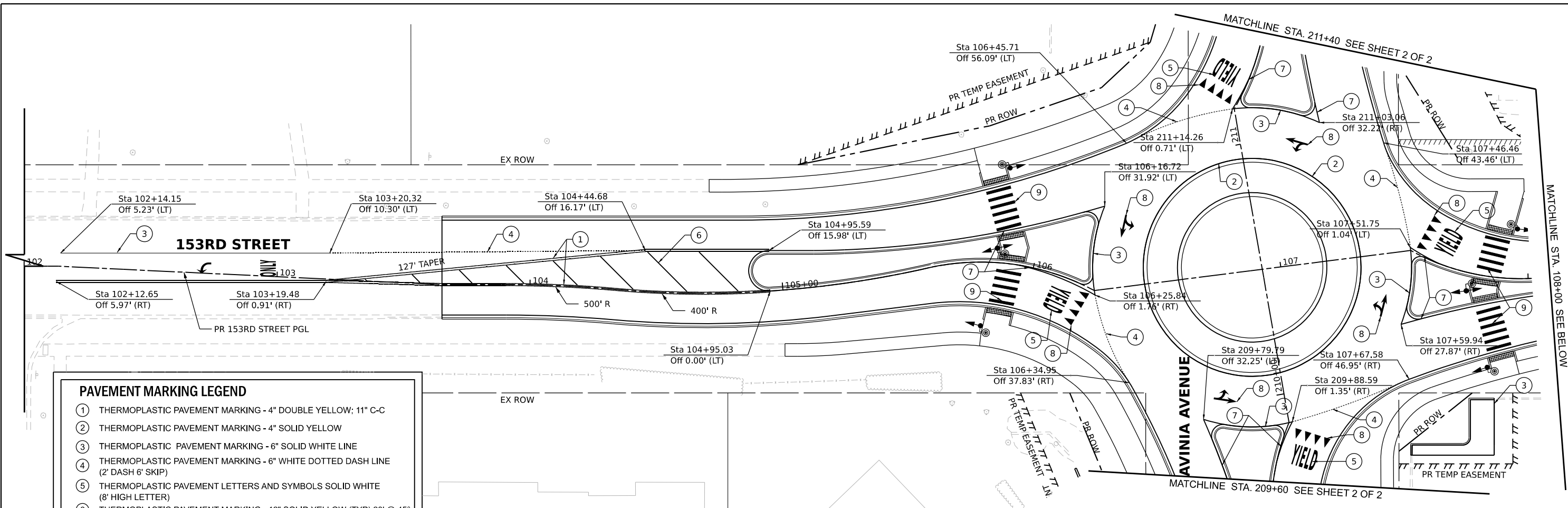
CHARLES W. BARTOSZ
3188 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
LICENSE EXPIRES ON NOVEMBER 30, 2026.
cbartoszw3co.com

V Engineers | 7325 Janes Avenue, Suite 100
Scientists | Woodridge, IL 60517
Surveyors | 630.724.9200 voice
630.724.0384 fax
v3co.com

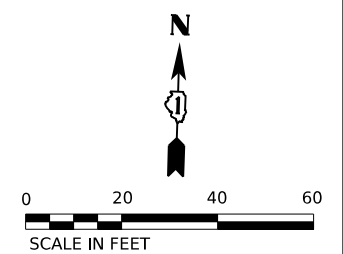
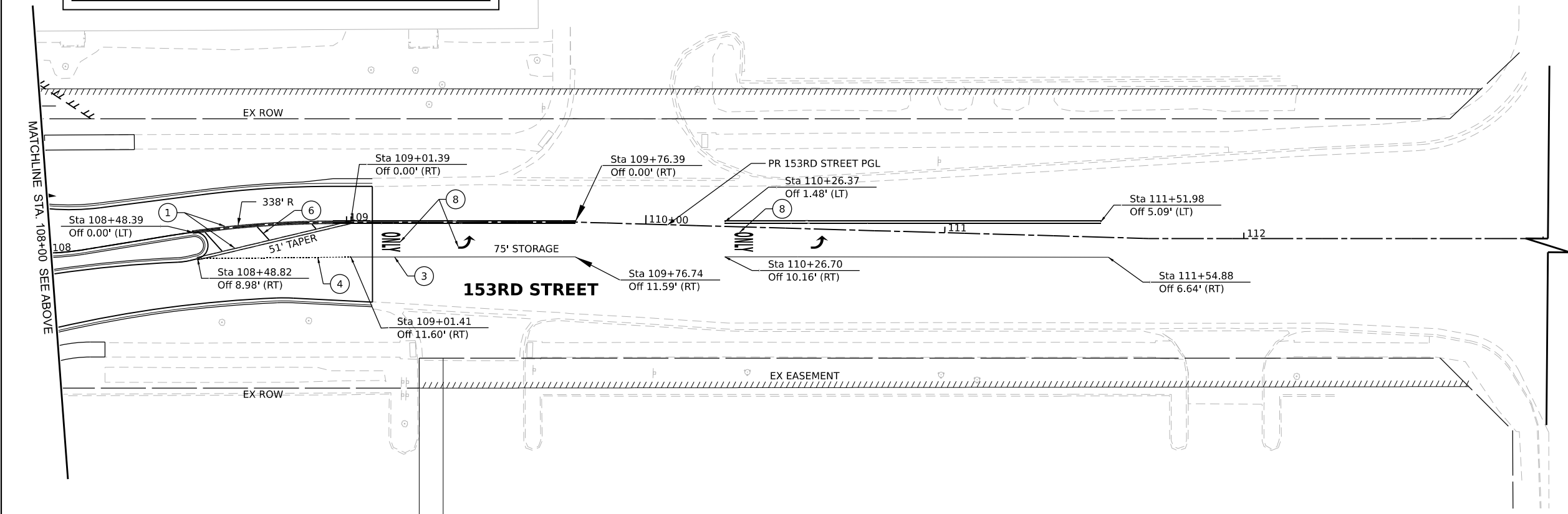
PLAT OF HIGHWAYS
VILLAGE OF ORLAND PARK
DEPARTMENT OF TRANSPORTATION
RAVINIA AVENUE

LIMITS: AT 153RD STREET COUNTY: WLL
SECTION: 21-00088-00-CH JOB NO.: R-55-001-97
STA. 210+00.00 TO STA. 215+49.09
SCALE: 1"= 30' SHEET 5 OF 5 SHEETS

VILLAGE OF ORLAND PARK
14700 S. RAVINIA AVE.
ORLAND PARK, ILLINOIS 60462



PAVEMENT MARKING LEGEND	
①	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW; 11" C-C
②	THERMOPLASTIC PAVEMENT MARKING - 4" SOLID YELLOW
③	THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE LINE
④	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED DASH LINE (2' DASH 6' SKIP)
⑤	THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE (8' HIGH LETTER)
⑥	THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW (TYP) 20' @ 45°
⑦	THERMOPLASTIC PAVEMENT MARKING - 6" SOLID YELLOW
⑧	THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE
⑨	THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE LINE



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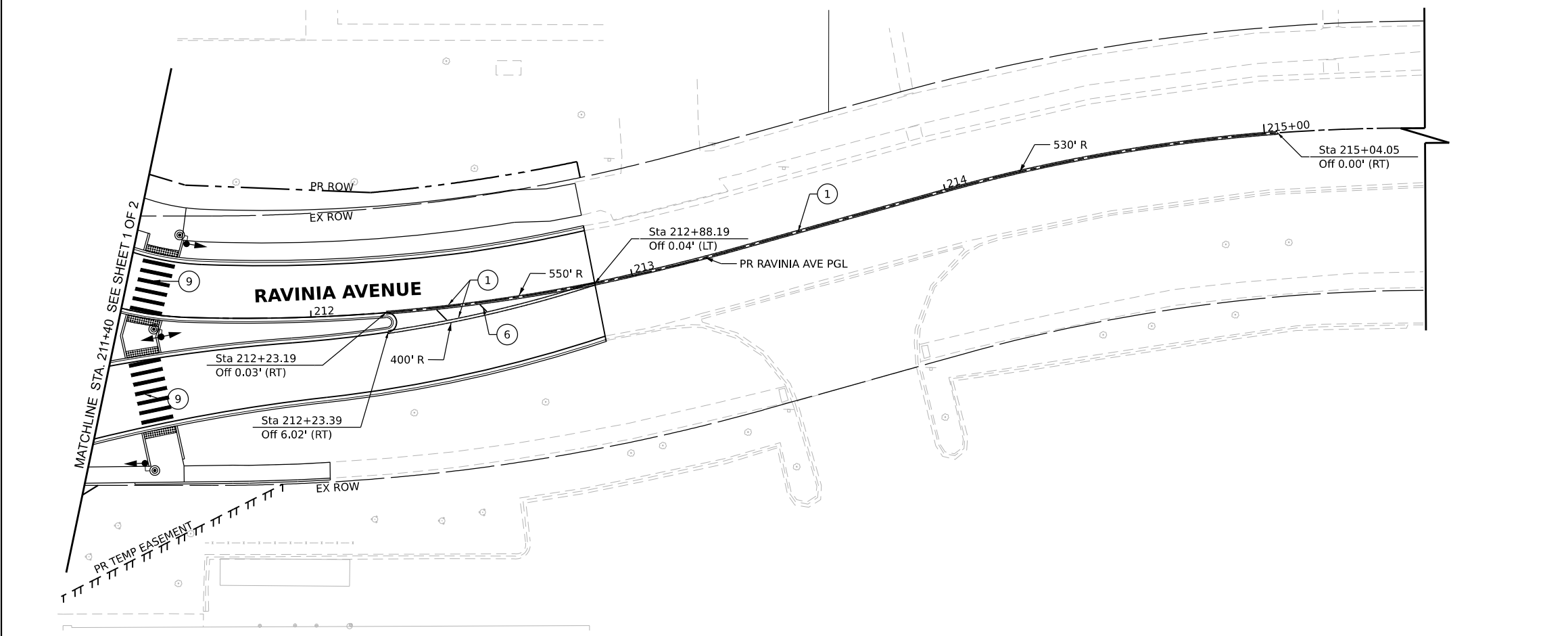
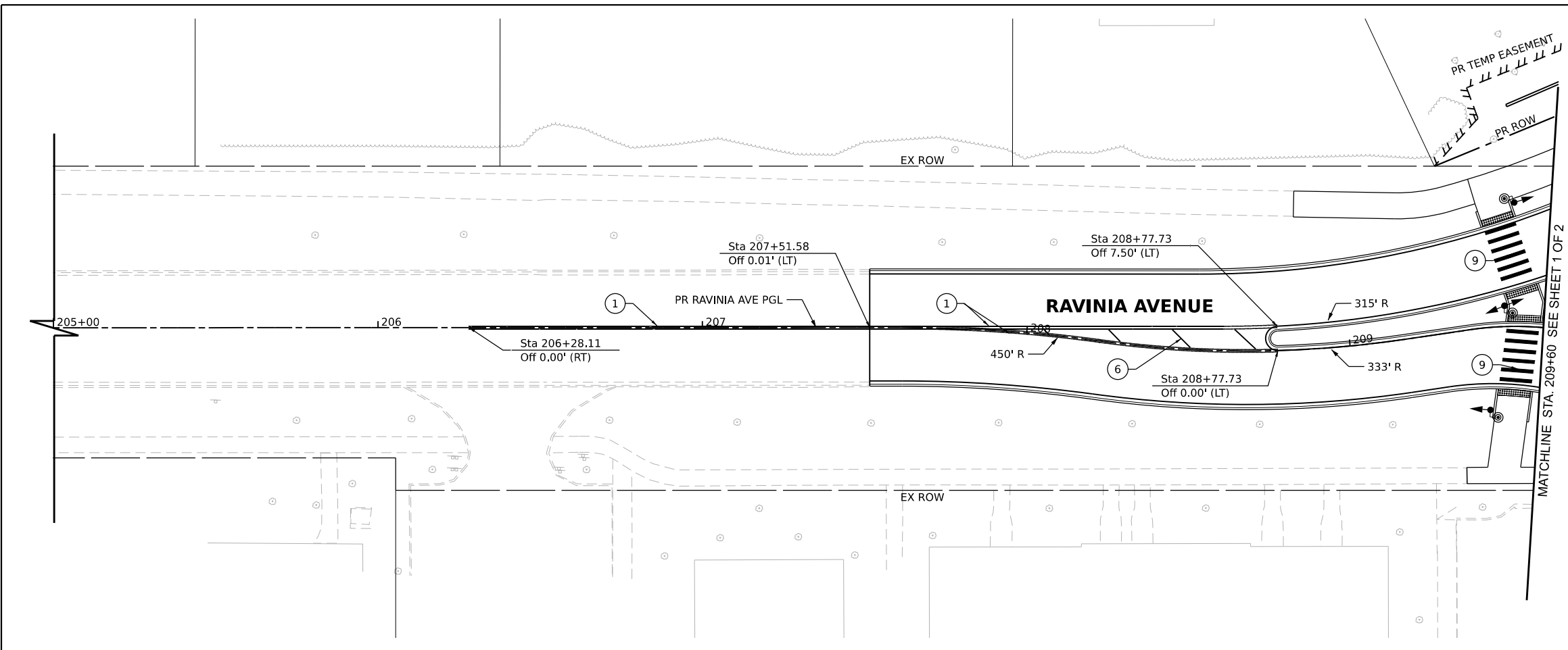
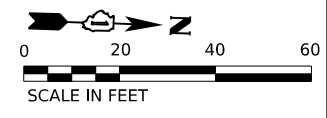
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DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1"=20" SHEET 1 OF 2 SHEETS STA. 102+00.00 TO STA. 111+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	53
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW; 11" C-C
- ② THERMOPLASTIC PAVEMENT MARKING - 4" SOLID YELLOW
- ③ THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE LINE
- ④ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED DASH LINE (2' DASH 6' SKIP)
- ⑤ THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE (8' HIGH LETTER)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW (TYP) 20' @ 45°
- ⑦ THERMOPLASTIC PAVEMENT MARKING - 6" SOLID YELLOW
- ⑧ THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE
- ⑨ THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE LINE

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V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630 724 9200 phone
 www.v3co.com

USER NAME	cbautista	DESIGNED -	REVISED -
PLOT SCALE		DRAWN -	REVISED -
PLOT DATE	4/3/2026	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN			
SCALE: 1"=20"	SHEET 2 OF 2 SHEETS	STA. 206+00.00	TO STA. 214+00.00

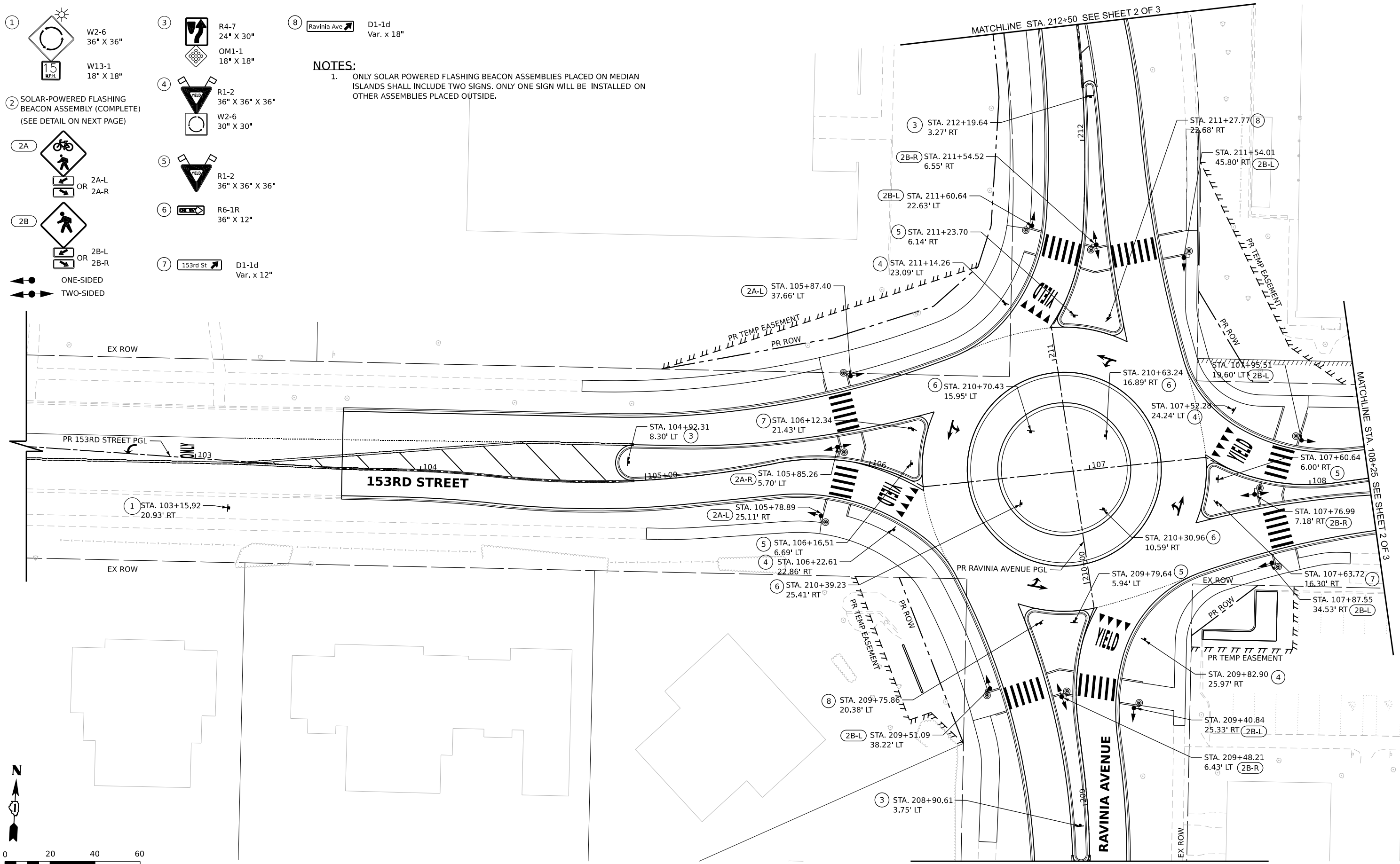
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	54
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

SIGN LEGEND:

- ① W2-6
36" X 36"
 - ② SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)
(SEE DETAIL ON NEXT PAGE)
 - 2A 2A-L
OR
2A-R
 - 2B 2B-L
OR
2B-R
 - ③ R4-7
24" X 30"
 - ④ R1-2
36" X 36" X 36"
 - ⑤ R1-2
36" X 36" X 36"
 - ⑥ R6-1R
36" X 12"
 - ⑦ D1-1d
Var. x 12"
 - ⑧ D1-1d
Var. x 18"
- ONE-SIDED
TWO-SIDED

NOTES:

1. ONLY SOLAR POWERED FLASHING BEACON ASSEMBLIES PLACED ON MEDIAN ISLANDS SHALL INCLUDE TWO SIGNS. ONLY ONE SIGN WILL BE INSTALLED ON OTHER ASSEMBLIES PLACED OUTSIDE.



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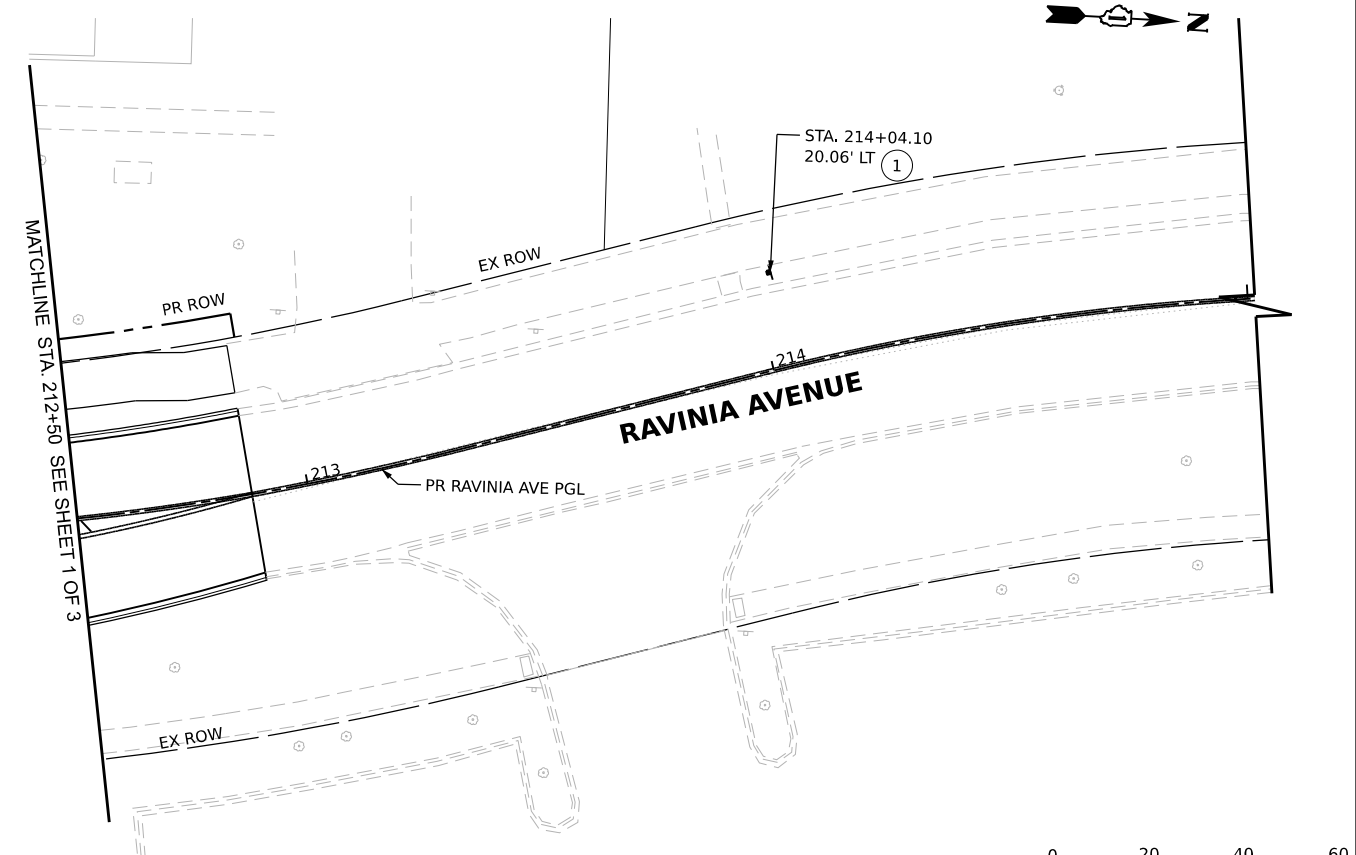
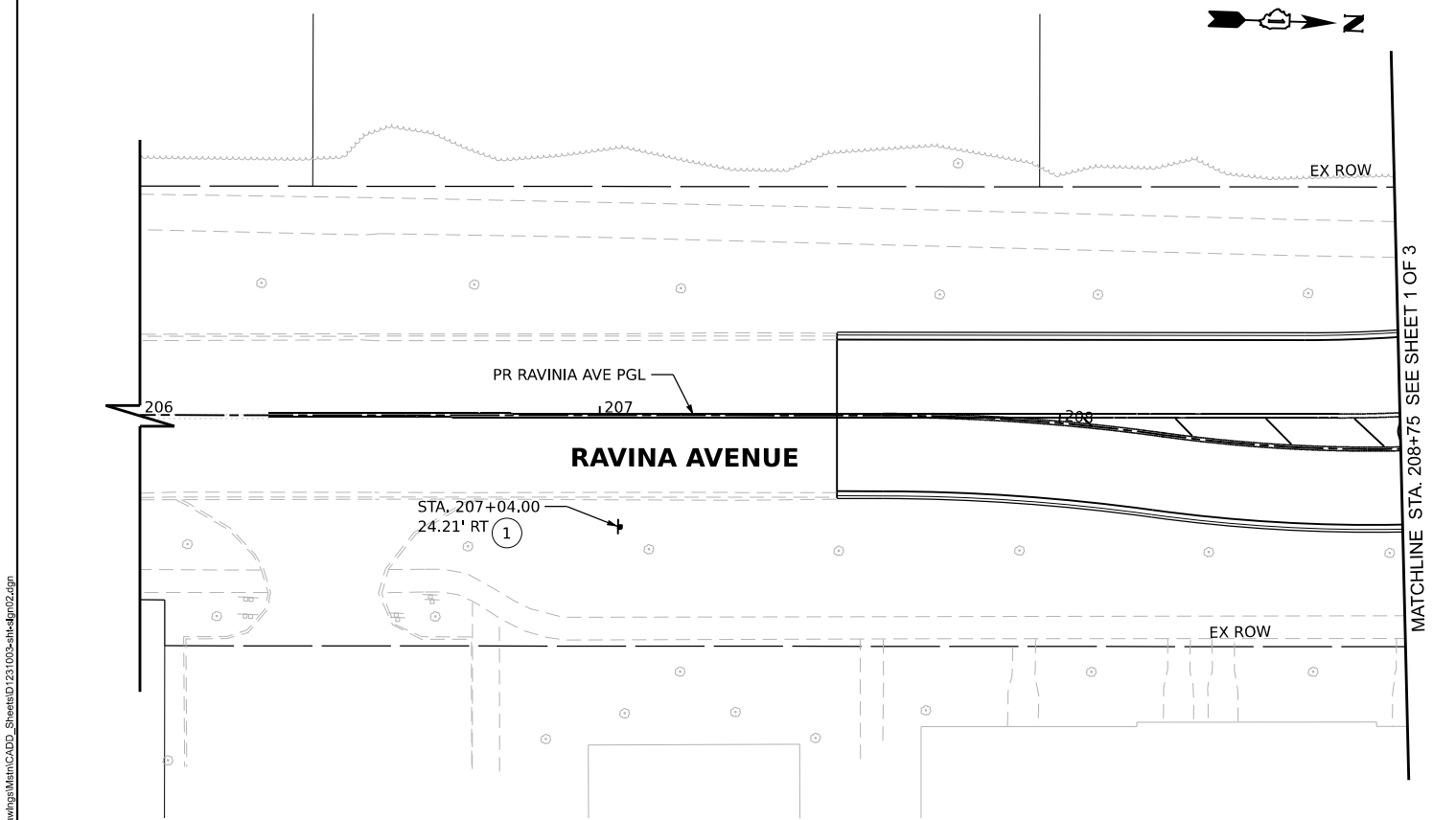
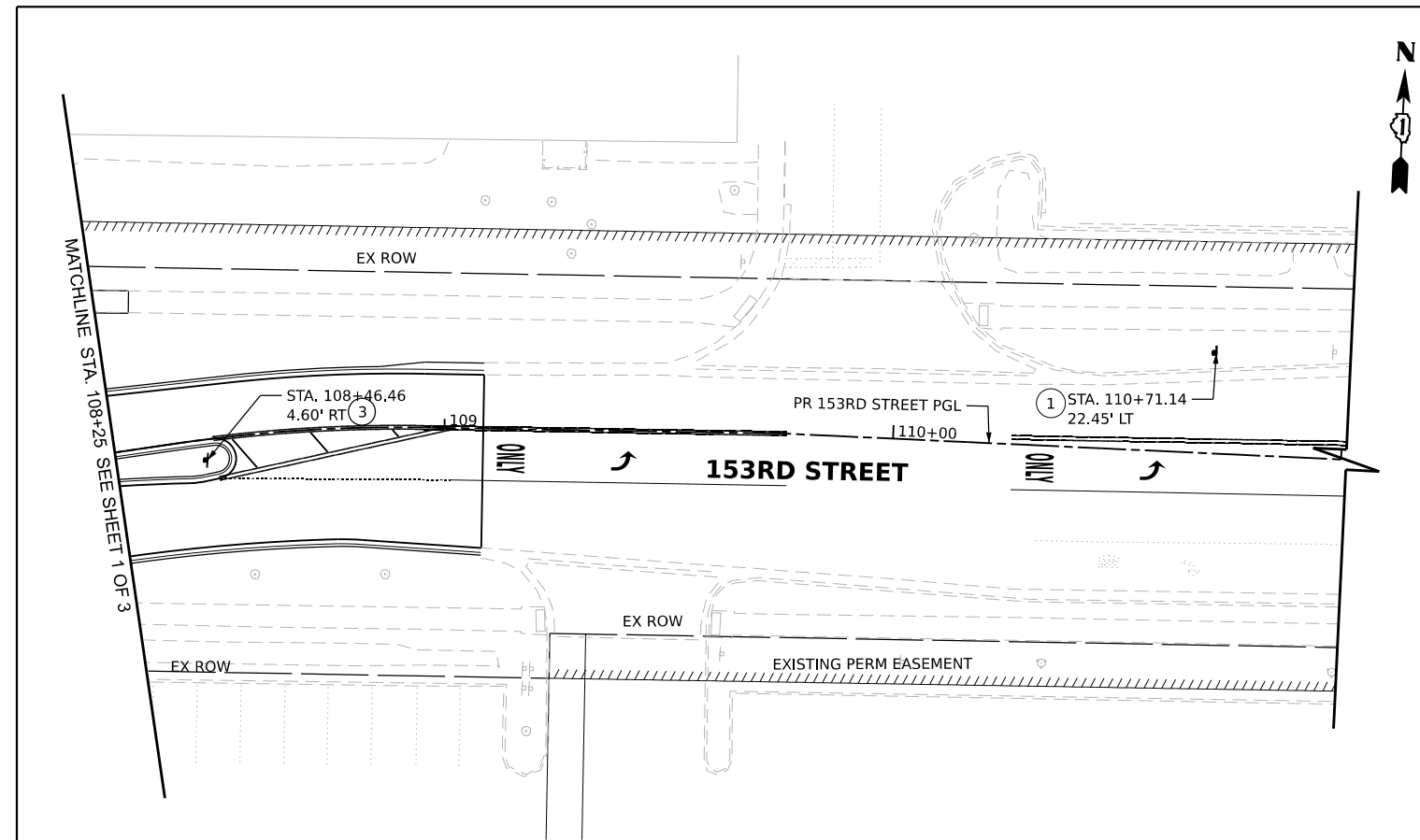
V3
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

USER NAME	cbautista	DESIGNED	-	REVISED	-
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		DATE	-	REVISED	-

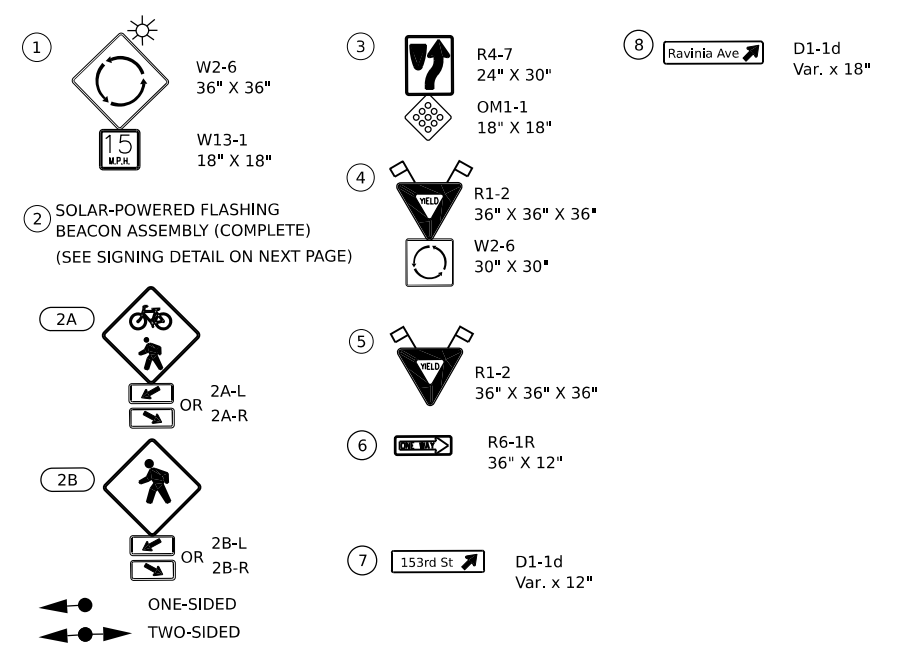
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=20"	SHEET 1 OF 3 SHEETS	1709	21-00088-00-CH	COOK	99	55
STA. 102+25.00 TO STA. 108+25.00		CONTRACT NO. 61M50				

ILLINOIS	FED. AID PROJECT
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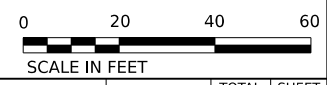


SIGN LEGEND:



NOTES:

- ONLY SOLAR POWERED FLASHING BEACON ASSEMBLIES PLACED ON MEDIAN ISLANDS SHALL INCLUDE TWO SIGNS. ONLY ONE SIGN WILL BE INSTALLED ON OTHER ASSEMBLIES PLACED OUTSIDE.



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PLOT DATE	4/3/2026	DATE	-	REVISED	-

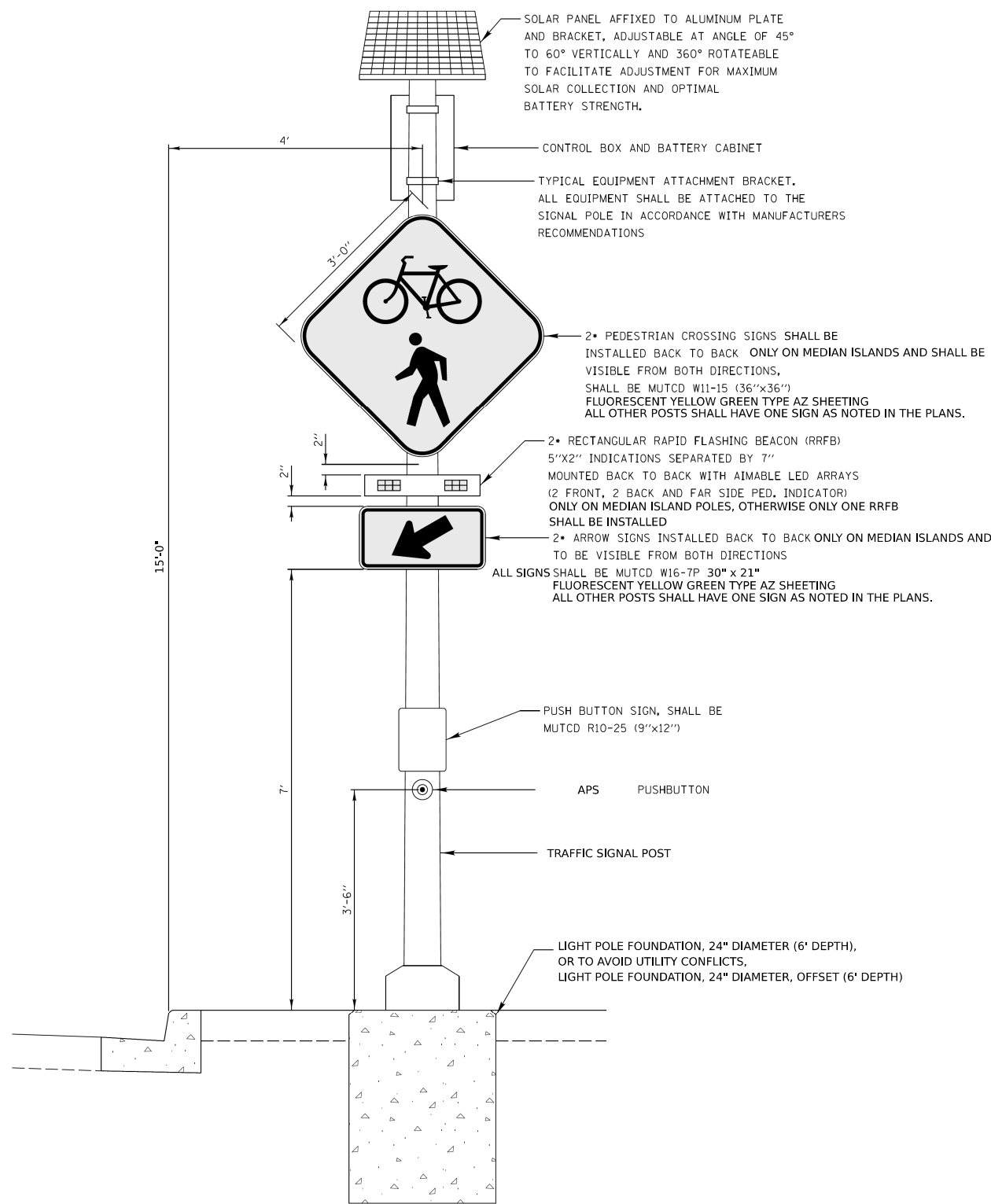
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN

SCALE: 1"=20" SHEET 2 OF 3 SHEETS STA. 108+25.00 TO STA. 111+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	56
CONTRACT NO. 61M50				

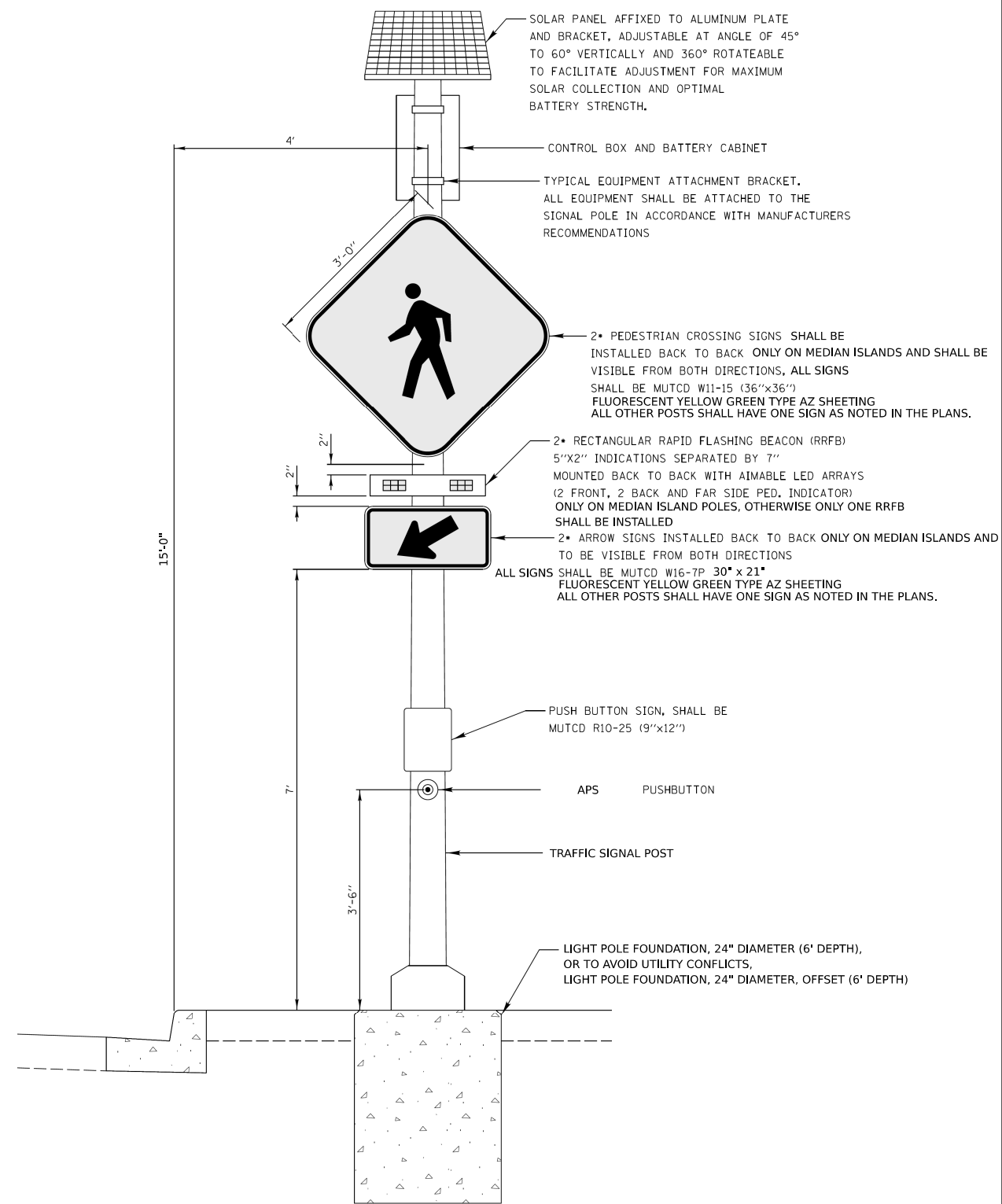
ILLINOIS FED. AID PROJECT



2A

RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM

ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE PAY ITEM



2B

RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM

ALL ITEMS SHOWN SHALL BE INCIDENTAL TO THE PAY ITEM

NOTE: CONCRETE FOUNDATION SHALL BE FLUSH WITH SIDEWALK

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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

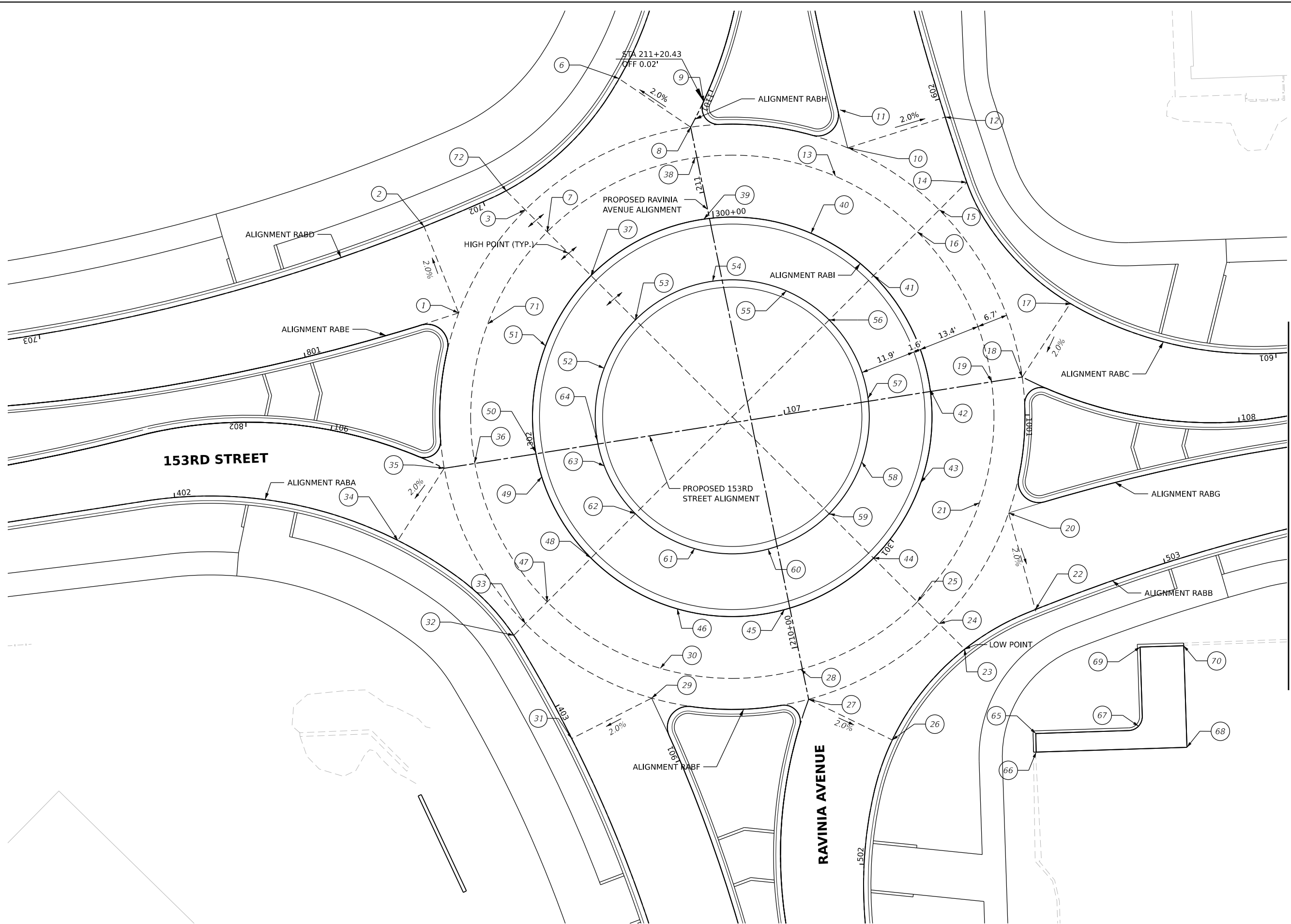
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PLOT SCALE	-	DATE	-	REVISED	-
PLOT DATE	4/3/2026				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	57
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



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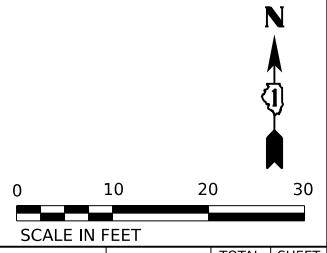


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PLOT SCALE	-	CHECKED	-	REVISED	-
PLOT DATE	4/3/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUNDABOUT LAYOUT PLAN

SCALE: 1"=10"
 SHEET 1 OF 2 SHEETS
 STA. 105+00.00 TO STA. 108+00.00
 STA. 209+45.00 TO STA. 211+30.00



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	58
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ALIGN	NORTHING	EASTING	ELEV.
1	302+22.31	19.99' LT	RABI	1801685.460	1114807.441	696.99
2	702+14.20	0.00' LT	RABD	1801704.069	1114800.060	696.60
3	302+40.48	20.00' LT	RABI	1801707.608	1114821.846	697.10
6	701+59.56	0.00' RT	RABD	1801735.922	1114841.957	695.51
7	302+40.48	13.33' LT	RABI	1801702.927	1114826.527	695.23
8	302+68.10	20.00' LT	RABI	1801725.457	1114857.382	696.81
9	1101+02.73	0.00' LT	RABH	1801731.006	1114860.184	696.77
10	300+21.50	20.00' LT	RABI	1801720.997	1114891.196	696.37
11	1100+89.90	0.00' LT	RABH	1801729.157	1114889.069	696.43
12	601+95.92	0.00' LT	RABC	1801727.631	1114912.184	695.93
13	300+21.50	13.33' LT	RABI	1801714.846	1114888.617	696.50
14	601+81.12	0.00' LT	RABC	1801713.579	1114916.835	695.87
15	300+37.84	20.00' LT	RABI	1801707.649	1114910.905	696.04
16	300+37.84	13.33' LT	RABI	1801702.933	1114906.189	696.17
17	601+43.37	0.00' LT	RABC	1801687.075	1114938.830	695.05
18	300+65.75	20.00' LT	RABI	1801671.643	1114928.817	695.48
19	300+65.75	13.33' LT	RABI	1801670.619	1114922.133	695.61
20	300+86.00	20.00' LT	RABI	1801642.424	1114925.909	695.12
21	300+86.00	13.33' LT	RABI	1801644.600	1114919.561	695.25
22	502+71.67	0.00' LT	RABB	1801621.594	1114931.590	694.75
23	502+52.84	0.00' RT	RABB	1801613.071	1114916.383	694.83
24	301+05.39	20.00' LT	RABI	1801618.553	1114910.901	695.00
25	301+05.39	13.33' LT	RABI	1801623.270	1114906.184	695.13
26	502+27.64	0.00' RT	RABB	1801593.518	1114899.344	694.42
27	301+29.03	20.00' LT	RABI	1801602.281	1114882.792	695.17
28	301+27.81	13.32' LT	RABI	1801608.833	1114881.441	695.30
29	301+51.16	20.00' LT	RABI	1801602.541	1114849.019	695.62
30	301+51.15	13.33' LT	RABI	1801608.953	1114850.845	695.75
31	301+80.78	20.00' LT	RABA	1801593.847	1114831.785	696.05
32	402+82.14	0.00' RT	RABA	1801616.061	1114819.317	695.90
33	301+72.93	20.00' LT	RABI	1801618.559	1114821.815	696.05
34	402+50.36	0.00' RT	RABA	1801637.642	1114795.106	696.25
35	310+99.10	20.00' LT	RABI	1801652.032	1114804.345	696.58
36	301+99.10	13.32' LT	RABI	1801653.193	1114810.913	696.71
37	302+40.48	0.00' RT	RABI	1801693.505	1114835.949	697.10
38	302+68.11	13.33' LT	RABI	1801718.911	1114858.733	696.96

	STATION	OFFSET	ALIGN	NORTHING	EASTING	ELEV.
39	302+68.10	0.00' LT	RABI	1801705.817	1114861.434	696.84
40	300+21.50	0.00' LT	RABI	1801702.634	1114883.267	696.37
41	300+37.84	0.00' LT	RABI	1801693.510	1114896.760	696.04
42	300+65.75	0.00' LT	RABI	1801668.547	1114909.009	695.48
43	300+86.00	0.00' LT	RABI	1801649.025	1114903.987	695.12
44	301+05.39	0.00' LT	RABI	1801632.690	1114896.760	695.00
45	301+27.81	0.00' LT	RABI	1801621.590	1114877.570	695.17
46	301+51.16	0.00' LT	RABI	1801621.748	1114854.562	695.62
47	301+72.93	13.33' LT	RABI	1801623.280	1114826.530	696.19
48	301+72.93	0.00' LT	RABI	1801632.690	1114835.950	696.05
49	301+93.59	0.00' LT	RABI	1801650.140	1114825.354	695.00
50	301+99.10	0.00' LT	RABI	1801655.520	1114823.980	696.58
51	302+22.31	0.00' LT	RABI	1801678.360	1114826.150	696.99
52	302+22.30	13.50' RT	RABI	1801673.549	1114838.813	697.22
53	302+40.48	13.50' RT	RABI	1801685.290	1114846.990	697.32
54	302+68.10	13.50' RT	RABI	1801692.637	1114865.319	697.06
55	300+21.50	13.50' RT	RABI	1801690.243	1114878.024	696.59
56	300+37.84	13.50' RT	RABI	1801683.959	1114887.220	696.27
57	300+65.75	13.50' RT	RABI	1801666.440	1114895.670	695.63
58	300+85.98	13.50' RT	RABI	1801653.392	1114894.252	695.34
59	301+05.39	13.50' RT	RABI	1801642.240	1114887.220	695.22
60	301+27.81	13.50' RT	RABI	1801634.620	1114874.050	695.40
61	301+51.16	13.50' RT	RABI	1801634.782	1114858.258	695.85
62	301+72.93	13.50' RT	RABI	1801642.240	1114845.500	696.28
63	301+90.94	13.50' RT	RABI	1801652.532	1114837.081	695.62
64	301+99.12	13.50' RT	RABI	1801657.880	1114837.330	696.80
65	502+57.79	24.41' RT	RABB	1801594.920	1114931.697	(694.78) EOP 695.28 BOC
66	502+53.63	27.83' RT	RABB	1801590.920	1114931.762	(694.76) EOP 695.26 BOC
67	502+83.85	31.39' RT	RABB	1801596.496	1114953.794	(694.25) EOP 694.75 BOC
68	502+92.96	39.15' RT	RABB	1801591.942	1114964.214	(694.04) EOP
69	502+90.28	15.44' RT	RABB	1801613.549'	1114954.137	(694.52) EOP 695.02 BOC
70	502+99.67	18.17' RT	RABB	1801613.817	1114963.527	(694.51) EOP 695.01 BOC
71	302+22.31	13.33' LT	RABI	1801683.090	1114813.700	697.12
72	701+94.47	0.00' RT	RABD	1801711.770	1114817.690	696.99

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PLOT SCALE	
PLOT DATE	4/3/2026

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DATE	-

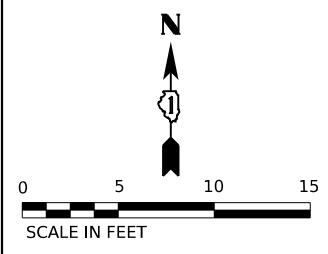
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

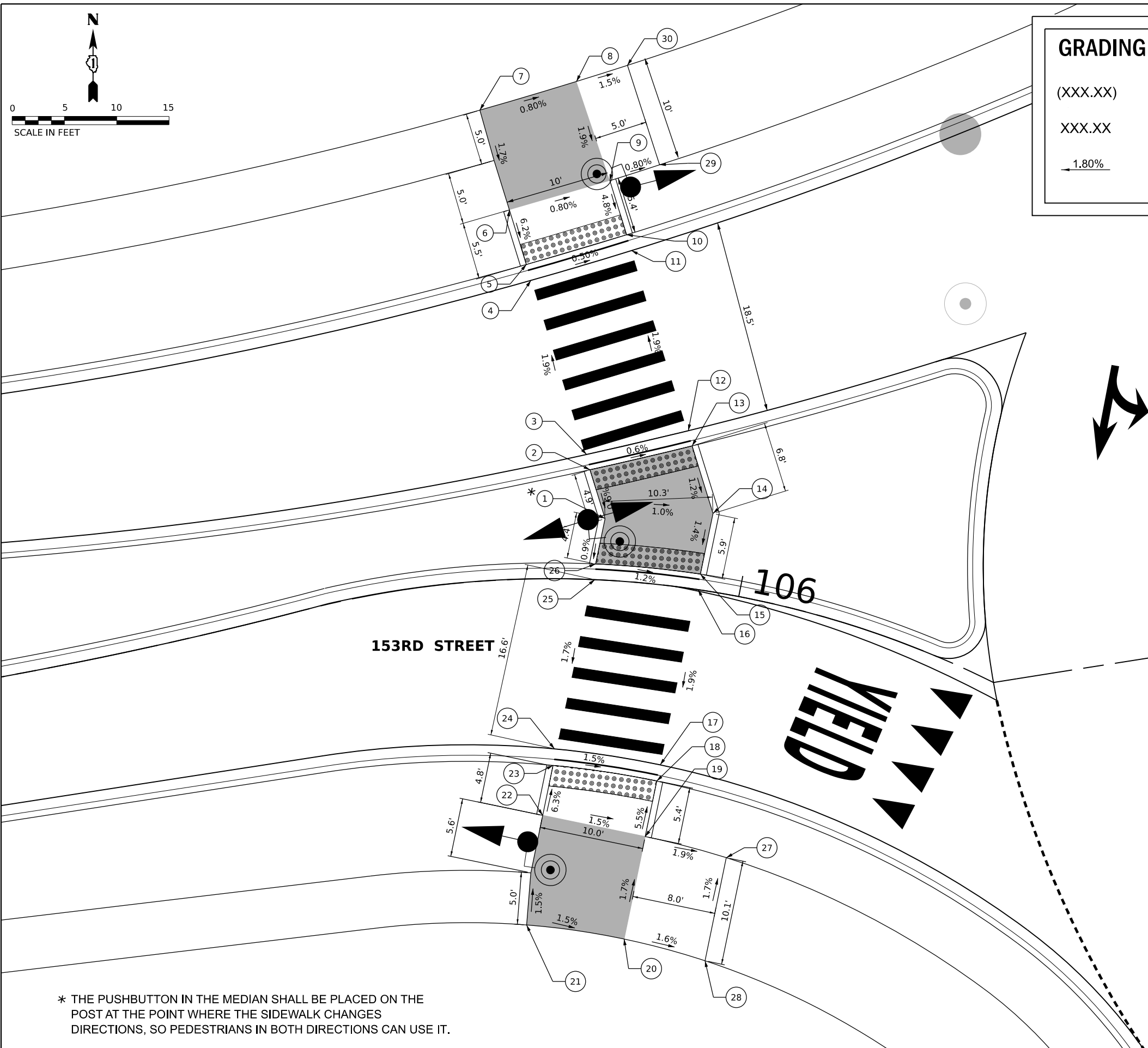
ROUNDBABOUT LAYOUT TABLE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	59
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



GRADING LEGEND / ABBREVIATIONS			
(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL AREA
\rightarrow 1.80%	GRADING SLOPE		PROPOSED SIDE CURB



153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
1	105+86.81	5.88 LT	697.18
2	105+85.30	10.48 LT	697.21
3	105+84.96	11.93 LT	697.15
4	105+80.46	28.53 LT	696.80
5	105+80.15	30.06 LT	EL: 696.79 TOC: 697.29
6	105+79.05	35.32 LT	EL: 697.13 TOC: 697.13
7	105+77.33	44.97 LT	697.30
8	105+83.57	47.55 LT	697.19
9	105+85.96	38.17 LT	EL: 697.00 TOC: 697.00
10	105+87.31	33.08' LT	EL: 696.74 TOC: 697.24
11	105+87.73	31.60 LT	696.75
12	105+93.31	14.94 LT	697.11
13	105+93.78	13.53 LT	697.17
14	105+96.37	7.40 LT	697.09
15	105+96.04	1.50 LT	697.01

153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
16	105+96.04	0.00 RT	696.95
17	105+94.69	17.10 RT	696.63
18	105+94.54	18.68 RT	EL: 696.62 TOC: 697.12
19	105+94.02	24.08 RT	EL: 696.92 TOC: 696.92
20	105+92.82	34.05 RT	697.09
21	105+78.34	33.06 RT	697.23
22	105+80.87	22.61 RT	EL: 697.07 TOC: 697.07
23	105+82.16	17.85 RT	EL: 696.72 TOC: 697.22
24	105+82.32	16.27 RT	696.78
25	105+86.13	0.00 RT	697.07
26	105+86.13	1.50 LT	697.14
27	106+04.77	24.66 RT	697.07
28	106+05.34	34.71 RT	697.25
29	105+89.28	39.96 LT	696.96
30	105+86.77	49.26 LT	697.12

* THE PUSHBUTTON IN THE MEDIAN SHALL BE PLACED ON THE POST AT THE POINT WHERE THE SIDEWALK CHANGES DIRECTIONS, SO PEDESTRIANS IN BOTH DIRECTIONS CAN USE IT.

MODEL: Default
FILE NAME: N:\2022\21003\Drawings\Main\CADD_Sheets\121103-sha-ADA01.dgn



USER NAME	cbautista	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DESIGN
SCALE: 1"=5"
SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	60
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

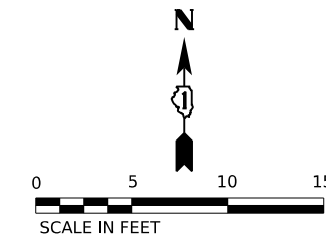
**153RD AND RAVINIA AVE
ADA RAMP ELEVATION TABLE**

POINT NO.:	STATION	OFFSET	ELEVATION
1	107+81.09	38.61 LT	695.89
2	107+99.40	39.44 LT	695.89
3	107+82.53	33.68 LT	EL: 695.80
4	107+97.94	31.70 LT	TOC: 695.82
5	107+71.64	19.67 LT	EL: 695.82
6	107+84.23	18.33 LT	TOC: 695.84
7	107+80.19	16.75 LT	EL: 694.94
8	107+92.56	17.15 LT	TOC: 695.44
9	107+78.75	0.00 RT	EL: 694.88
10	107+88.64	0.00 LT	TOC: 695.38
11	107+78.73	1.50 RT	694.95
12	107+88.64	1.50 RT	694.89
13	107+78.39	6.77' RT	695.30
14	107+88.01	5.19' RT	695.23
15	107+80.40	11.16' RT	695.36
16	107+88.99	7.93 RT	695.29
17	107+80.90	12.55 RT	695.35
18	107+89.35	9.38 RT	695.30
19	107+87.26	30.30 RT	695.25
			695.23
			695.19
			695.15
			(696.89)
			(696.83)

**153RD AND RAVINIA AVE
ADA RAMP ELEVATION TABLE**

POINT NO.:	STATION	OFFSET	ELEVATION
20	107+94.46	27.05 RT	694.81
21	107+87.69	31.77 RT	694.83
22	107+94.79	28.57 RT	694.80
23	107+88.84	35.90 RT	EL: 695.03
24	107+95.71	32.72 RT	TOC: 695.03
25	107+90.07	40.58 RT	EL: 695.05
26	107+96.64	37.67 RT	TOC: 695.05
27	108+12.64	37.56 LT	695.12
28	108+11.86	32.62 LT	695.09
29	108+24.49	36.78 LT	697.09
30	108+23.71	31.84 LT	697.04
31	108+12.76	36.52 RT	696.82
32	108+13.57	31.58 RT	(695.69)
33	107+80.86	22.31 LT	(695.64)
34	107+93.96	21.07 LT	EL: 695.05
35	107+99.23	34.44 LT	TOC: 695.55
36	107+74.78	32.65 LT	EL: 694.99
37	107+72.65	34.44 LT	TOC: 695.49
38	107+85.55	37.76 RT	695.80
39	107+86.89	34.44 LT	695.91
40	108+34.37	35.21 LT	695.83
41	108+33.57	30.15 LT	695.07
			695.15
			(696.89)
			(696.83)

* THE PUSHBUTTON IN THE MEDIAN SHALL BE PLACED ON THE POST AT THE POINT WHERE THE SIDEWALK CHANGES DIRECTIONS, SO PEDESTRIANS IN BOTH DIRECTIONS CAN USE IT.



YIELD

153RD STREET

108

GRADING LEGEND / ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL AREA
	GRADING SLOPE		PROPOSED SIDE CURB

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FILE NAME: N:\2022\2100\Drawings\Main\CADD_Sheets\1231005-sha-ADA02.dwg



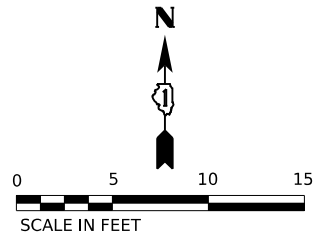
USER NAME	cbautista	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	-	DATE	-	REVISED	-
PLOT DATE	4/3/2026				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DESIGN

SCALE: 1"=5" SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	61
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE

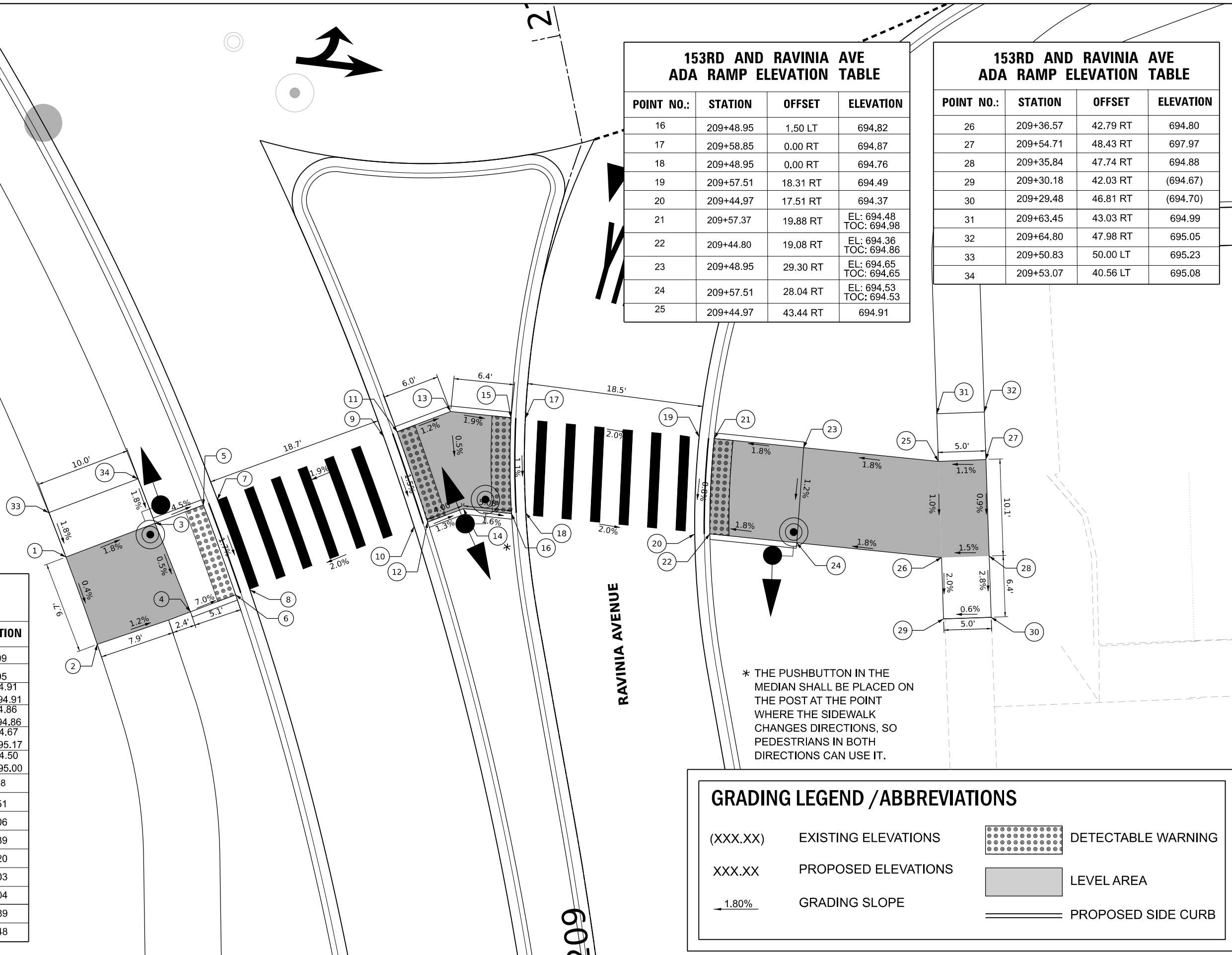
POINT NO.:	STATION	OFFSET	ELEVATION
16	209+48.95	1.50 LT	694.82
17	209+58.85	0.00 RT	694.87
18	209+48.95	0.00 RT	694.76
19	209+57.51	18.31 RT	694.49
20	209+44.97	17.51 RT	694.37
21	209+57.37	19.88 RT	EL: 694.48 TOC: 694.98
22	209+44.80	19.08 RT	EL: 694.36 TOC: 694.86
23	209+48.95	29.30 RT	EL: 694.65 TOC: 694.65
24	209+57.51	28.04 RT	EL: 694.53 TOC: 694.53
25	209+44.97	43.44 RT	694.91

153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
26	209+36.57	42.79 RT	694.80
27	209+54.71	48.43 RT	697.97
28	209+35.84	47.74 RT	694.88
29	209+30.18	42.03 RT	(694.67)
30	209+29.48	46.81 RT	(694.70)
31	209+63.45	43.03 RT	694.99
32	209+64.80	47.98 RT	695.05
33	209+50.83	50.00 LT	695.23
34	209+53.07	40.56 LT	695.08

153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	209+47.70	48.44 LT	695.09
2	209+41.39	46.12 LT	694.05
3	209+49.74	38.90 LT	EL: 694.91 TOC: 694.91
4	209+42.88	35.98 LT	EL: 694.86 TOC: 694.86
5	209+50.97	33.75 LT	EL: 694.67 TOC: 695.17
6	209+43.79	31.07 LT	EL: 694.50 TOC: 695.00
7	209+51.35	32.25 LT	694.68
8	209+44.04	29.53 LT	694.51
9	209+56.58	14.78 LT	695.06
10	209+48.27	11.79 LT	694.89
11	209+57.07	13.39 LT	694.20
12	209+48.59	10.33 LT	694.03
13	209+59.18	7.86 LT	695.04
14	209+49.70	6.52 LT	694.89
15	209+58.85	1.50 LT	694.48



* THE PUSHBUTTON IN THE MEDIAN SHALL BE PLACED ON THE POST AT THE POINT WHERE THE SIDEWALK CHANGES DIRECTIONS, SO PEDESTRIANS IN BOTH DIRECTIONS CAN USE IT.

GRADING LEGEND / ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL AREA
	GRADING SLOPE		PROPOSED SIDE CURB

MODEL: Default
FILE NAME: N:\2022\211003\Drawings\Main\CADD_Sheets\153RD and Ravinia Ave\153rd.dwg



USER NAME	cbautista	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DESIGN

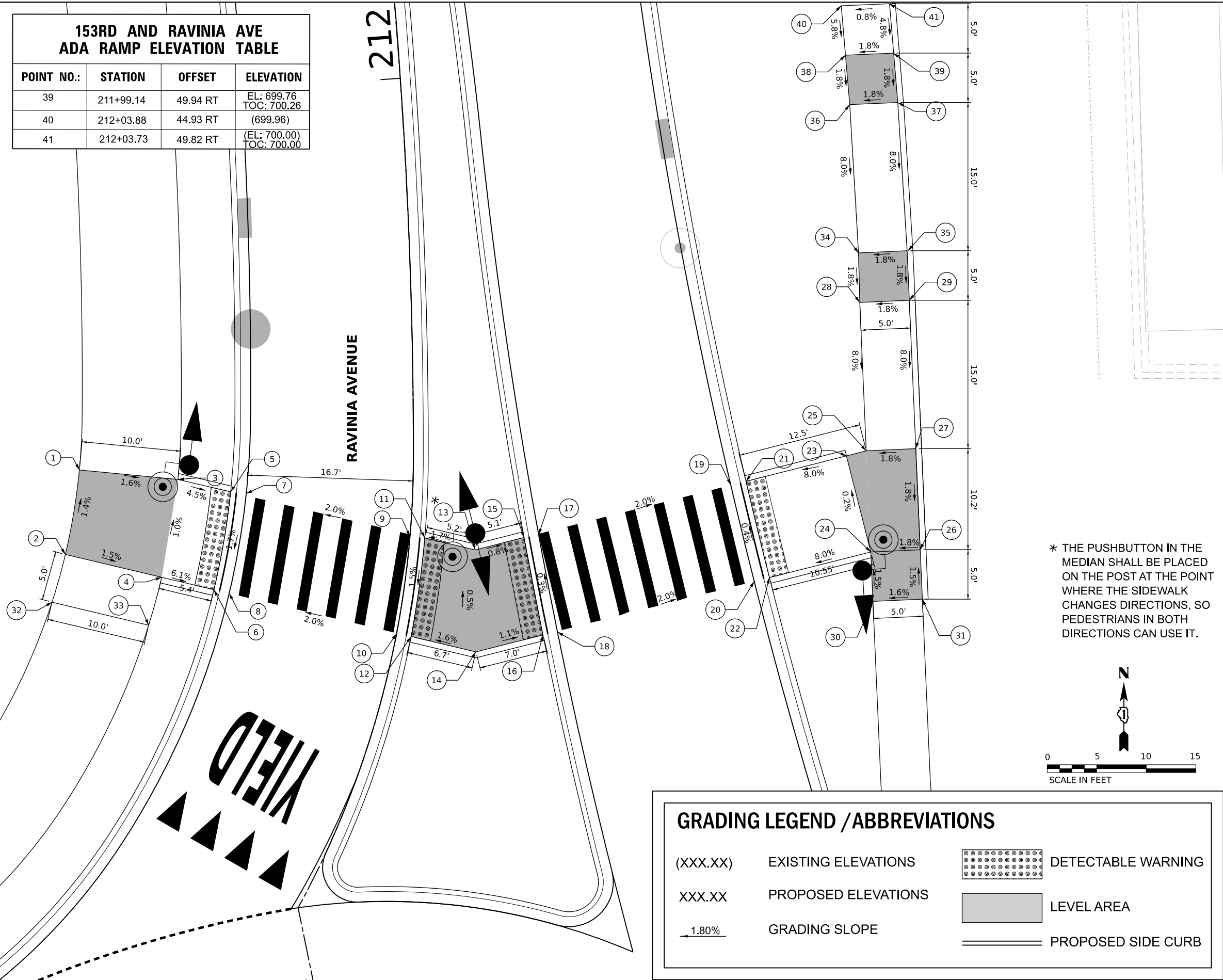
SCALE: 1"=5' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	62
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
1	211+59.67	33.71 LT	696.62
2	211+46.10	34.33 LT	696.74
3	211+58.70	23.73 LT	EL: 696.46 TOC: 696.46
4	211+45.29	24.35 LT	EL: 696.59 TOC: 696.59
5	211+57.35	18.37 LT	EL: 696.21 TOC: 696.71
6	211+44.89	18.97 LT	EL: 696.26 TOC: 696.76
7	211+57.24	16.79 LT	696.22
8	211+44.79	17.36 LT	696.27
9	211+53.64	0.00 LT	696.57
10	211+43.78	0.00 LT	696.62
11	211+53.68	1.50 RT	695.63
12	211+43.78	1.50 RT	696.68
13	211+52.96	6.67 RT	696.72
14	211+43.51	8.21 RT	696.79
15	211+54.48	11.48 RT	696.68
16	211+46.09	14.57 RT	696.71
17	211+54.82	12.94 RT	696.62
18	211+46.55	15.97 RT	696.65
19	211+59.61	32.08 RT	696.22

153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
20	211+52.55	35.02 RT	696.24
21	211+59.93	33.60 RT	EL: 696.21 TOC: 696.71
22	211+52.94	36.51 RT	EL: 696.23 TOC: 696.73
23	211+61.83	43.72 RT	EL: 696.90 TOC: 696.90
24	211+55.31	46.50 RT	EL: 696.74 TOC: 696.74
25	211+62.30	45.73 RT	697.08
26	211+55.67	51.47 RT	EL: 696.83 TOC: 697.58
27	211+62.50	50.72 RT	EL: 697.01 TOC: 697.76
28	211+76.15	45.27 RT	698.29
29	211+76.23	50.27 RT	EL: 698.38 TOC: 699.13
30	211+55.67	47.15 RT	697.15
31	211+62.50	52.10 RT	EL: 697.23 TOC: 697.23
32	211+76.15	24.66 LT	696.82
33	211+76.23	24.64 LT	696.58
34	211+76.15	45.27 RT	698.38
35	211+76.23	50.27 RT	EL: 698.47 TOC: 699.22
36	211+80.77	45.27 RT	698.58
37	211+80.81	50.21 RT	EL: 698.67 TOC: 699.42
38	211+99.25	45.01 RT	699.67

153RD AND RAVINIA AVE ADA RAMP ELEVATION TABLE			
POINT NO.:	STATION	OFFSET	ELEVATION
39	211+99.14	49.94 RT	EL: 699.76 TOC: 700.26
40	212+03.88	44.93 RT	(699.96)
41	212+03.73	49.82 RT	(EL: 700.00) TOC: 700.00



* THE PUSHBUTTON IN THE MEDIAN SHALL BE PLACED ON THE POST AT THE POINT WHERE THE SIDEWALK CHANGES DIRECTIONS, SO PEDESTRIANS IN BOTH DIRECTIONS CAN USE IT.

GRADING LEGEND / ABBREVIATIONS			
(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL AREA
	GRADING SLOPE		PROPOSED SIDE CURB

MODEL: Default
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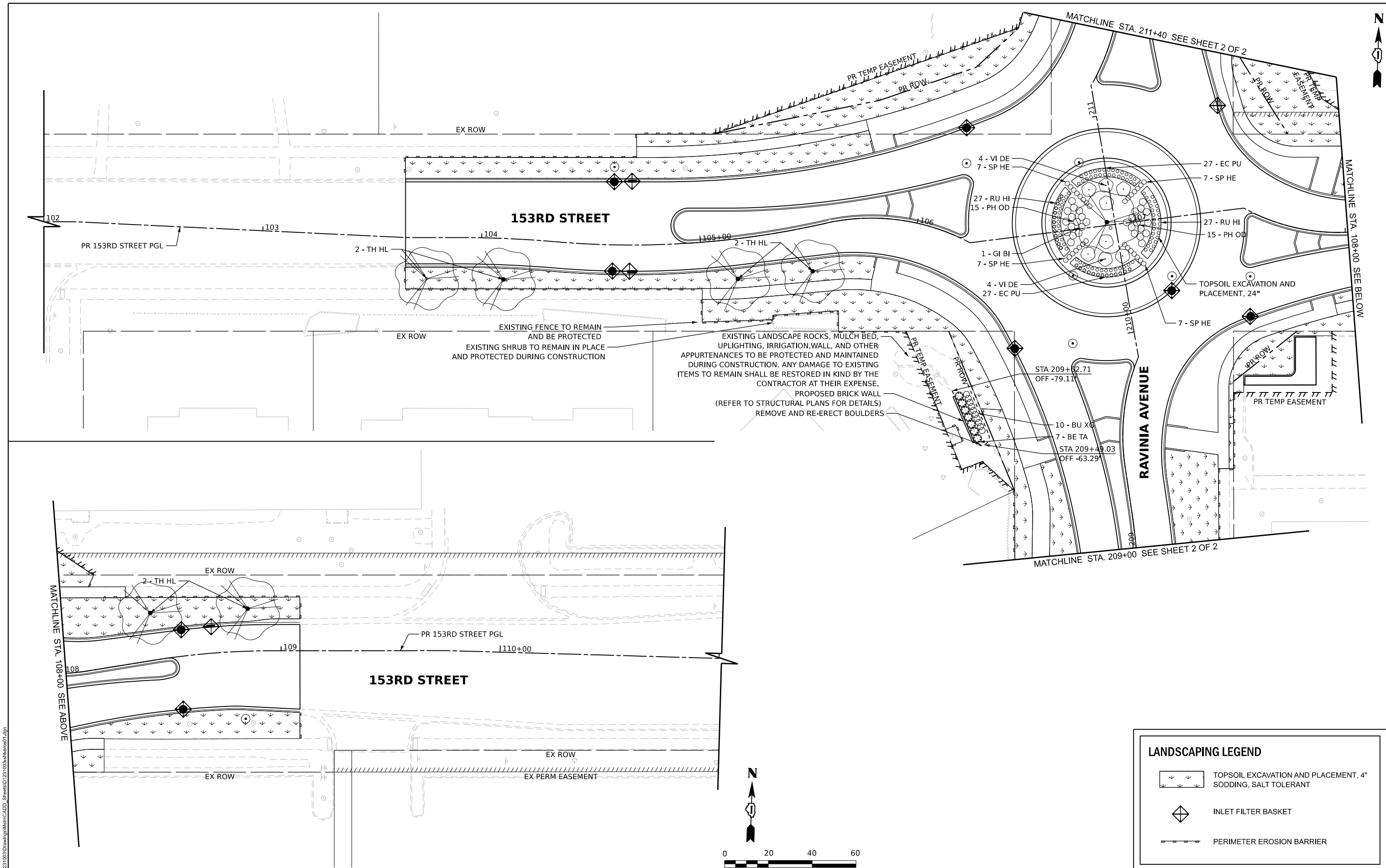
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

USER NAME	= cbaufista	DESIGNED	-	REVISED	-
PLOT SCALE	=	DRAWN	-	REVISED	-
PLOT DATE	= 4/3/2026	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

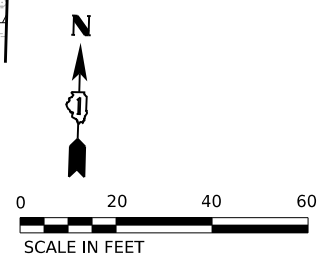
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=5"
SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	63
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



LANDSCAPING LEGEND				
	TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT			
	INLET FILTER BASKET			
	PERIMETER EROSION BARRIER			



MODEL: Default
 FILE NAME: N:\2022\21000\Drawings\Main\CADD_Sheets\1231003-sh-emo01.dgn

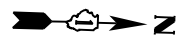
V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630 724 9200 phone
 www.v3co.com

USER NAME	msladek	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISED	-
PLOT SCALE	-	CHECKED	-	REVISED	-
PLOT DATE	4/3/2026	DATE	-	REVISED	-

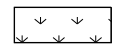


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

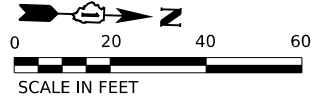
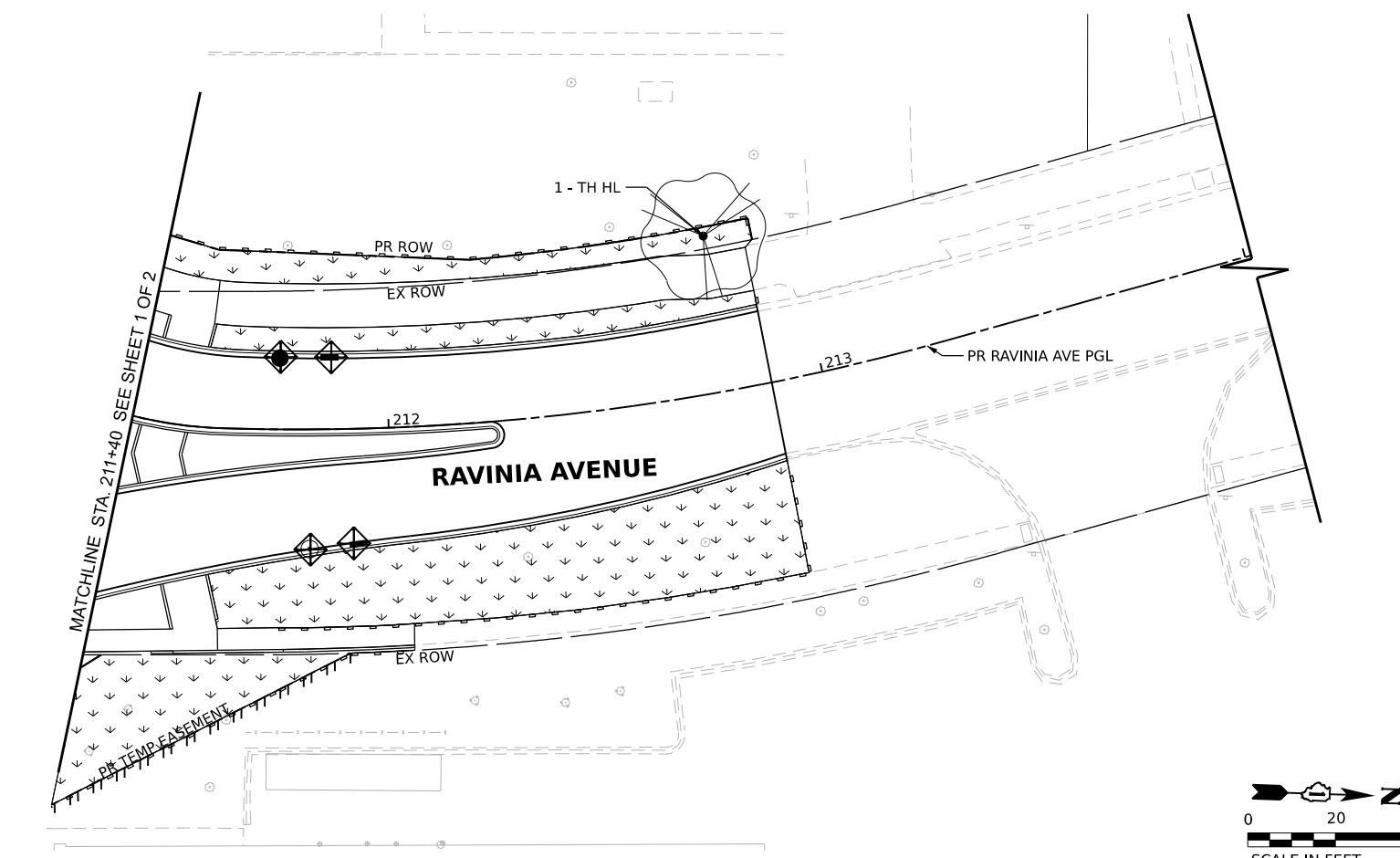
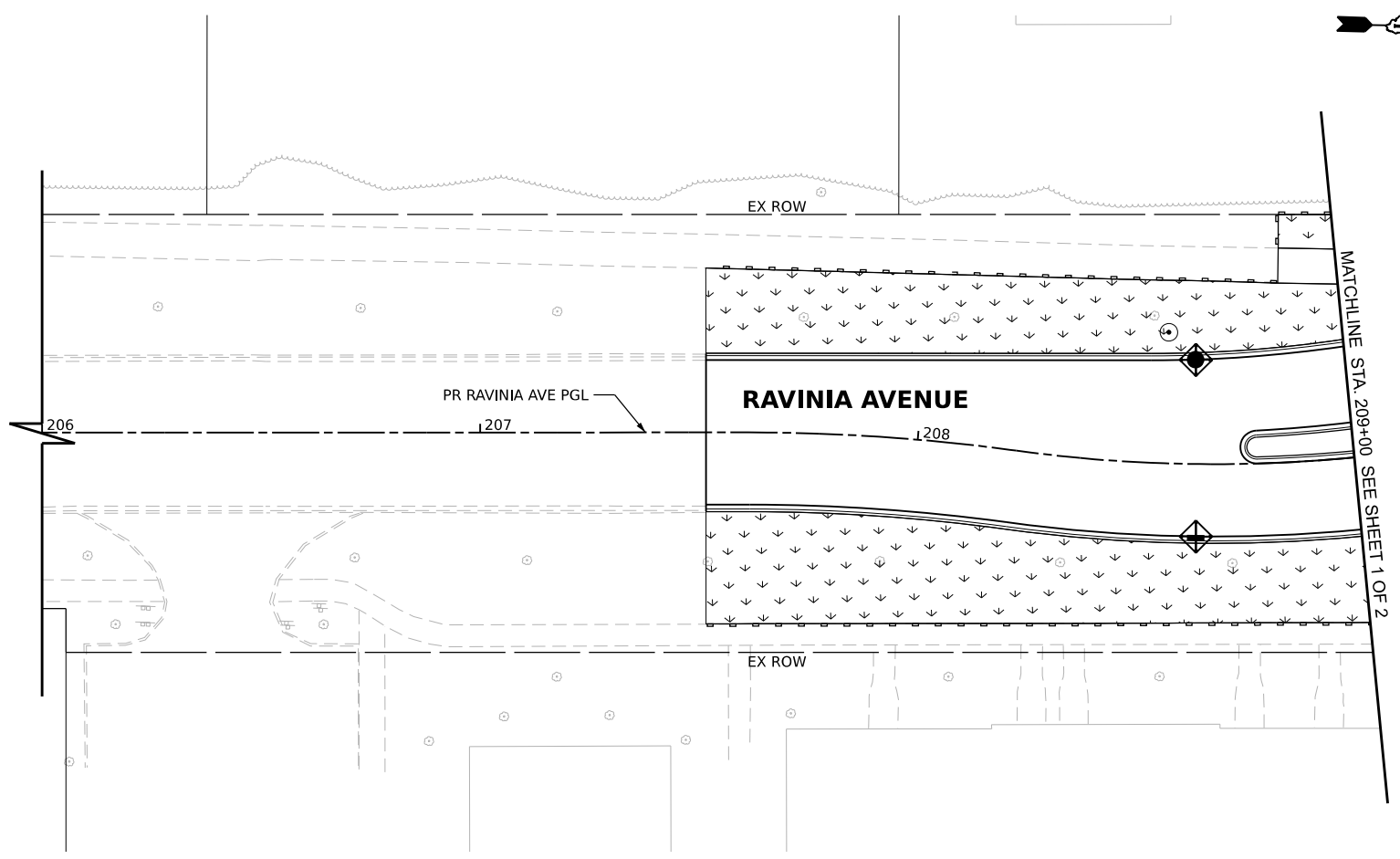
SCALE: 1"=20"		SHEET 1 OF 2 SHEETS		STA. 102+00.00	TO STA. 111+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	64
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



LANDSCAPING LEGEND

-  TOPSOIL EXCAVATION AND PLACEMENT, 4" SODDING, SALT TOLERANT
-  INLET FILTER BASKET
-  PERIMETER EROSION BARRIER



MODEL: D:\file1
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V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630 724 9200 phone
 www.v3co.com

USER NAME	msladek	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LANDSCAPING AND EROSION CONTROL PLAN

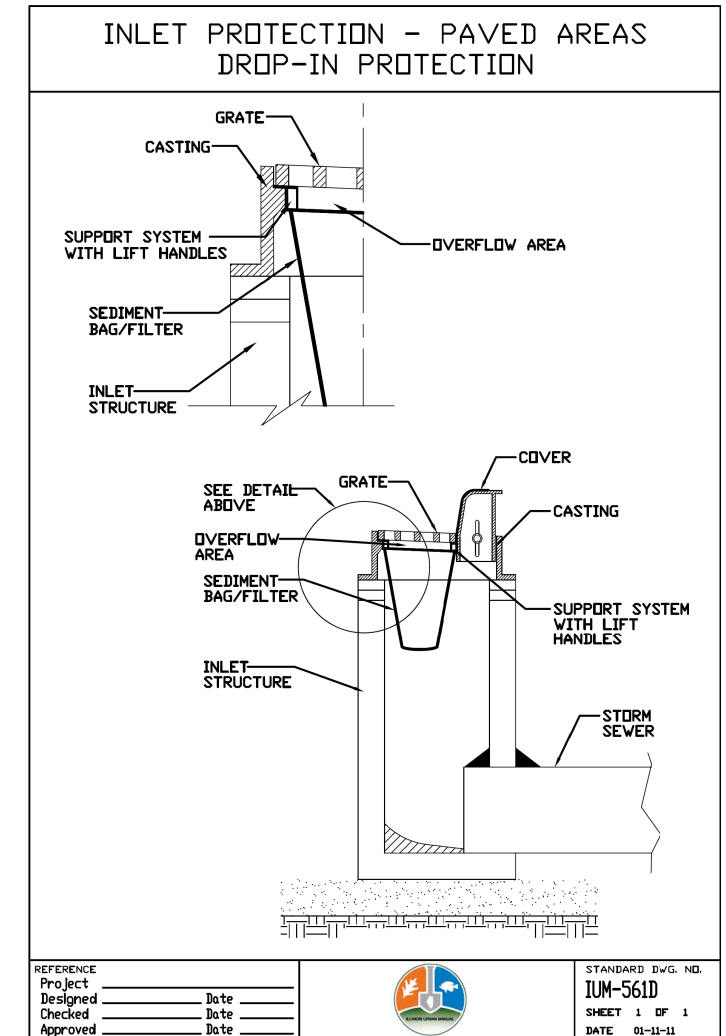
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	65
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

PLANT LIST CHART

PLANT CODE	COMMON NAME	SCIENTIFIC NAME	AVG. MATURE HEIGHT	AVG. MATURE SPREAD	SPACING	SIZE WHEN PLANTED	ROOT ZONE MODE	PLANTING SEASON	PLANT QUANTITY
DECIDUOUS TREES									
GI BI	GINKGO	GINKGO BILOBA	25'-50'	25'-35'	30'	2-1/2" CAL.	BALLED & BURLAPPED	FALL OR SPRING	1
TH HL	THORNLESS HONEY LOCUST	GLEDITSIA TRIACANTHOS INERMIS	30'-50'	30'-50'	30'	2-1/2" CAL.	BALLED & BURLAPPED	SPRING	7
SHRUBS									
BE TA	RED CHOKEBERRY	ARONIA ARBUTIFOLIA	6'-10'	3'-6'	3'	24" HT. MIN.	CONTAINER	SPRING	7
BU XG	GREEN VELVET BOXWOOD	BUXUS 'GREEN VELVET'	2'-4'	2'-4'	2'	36" HT. MIN.	CONTAINER	SPRING	10
PH OD	LITTLE DEVIL NINEBARK	PHYSOCARPUS OPULIFOLIUS 'DONNA MAY'	2'-4'	2'-4'	2'	18" HT. MIN.	CONTAINER	SPRING	30
VI DE	ARROWWOOD VIBURNUM	VIBURNUM DENTATUM	6'-15'	6'-15'	8'	36" HT. MIN.	CONTAINER	SPRING	8
PERENNIALS									
EC PU	PURPLE CONE FLOWER	ECHINACEA PURPUREA	24"-36"	24"	24"	12" HT. MIN.	1-GALLON POT	SPRING	54
RU HI	BLACK-EYED SUSAN	RUDBECKIA HIRTA	24"-36"	24"	24"	12" HT. MIN.	1-GALLON POT	SPRING	54
SP HE	PRAIRIE DROPSEED	SPOROBOLUS HETEROLEPIS	24"-36"	24"-36"	24"	18" HT. MIN.	1-GALLON POT	SPRING	28

NOTE: FOR TREES AND SHRUBS, FOLLOW "PLANTING WOODY PLANTS" SPECIAL PROVISION. FOR PERENNIALS, FOLLOW "PLANTING PERENNIAL PLANTS" SPECIAL PROVISION.



REFERENCE	Project	_____	Date	_____
Designed	Checked	Approved	Date	Date
STANDARD DWG. NO.		IUM-561D		
SHEET		1 OF 1		
DATE		01-11-11		

MODEL: Default
FILE NAME: N:\2022\231003\Drawings\Main\CADD_Sheets\231003-shlandm01.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

USER NAME	mslodek	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

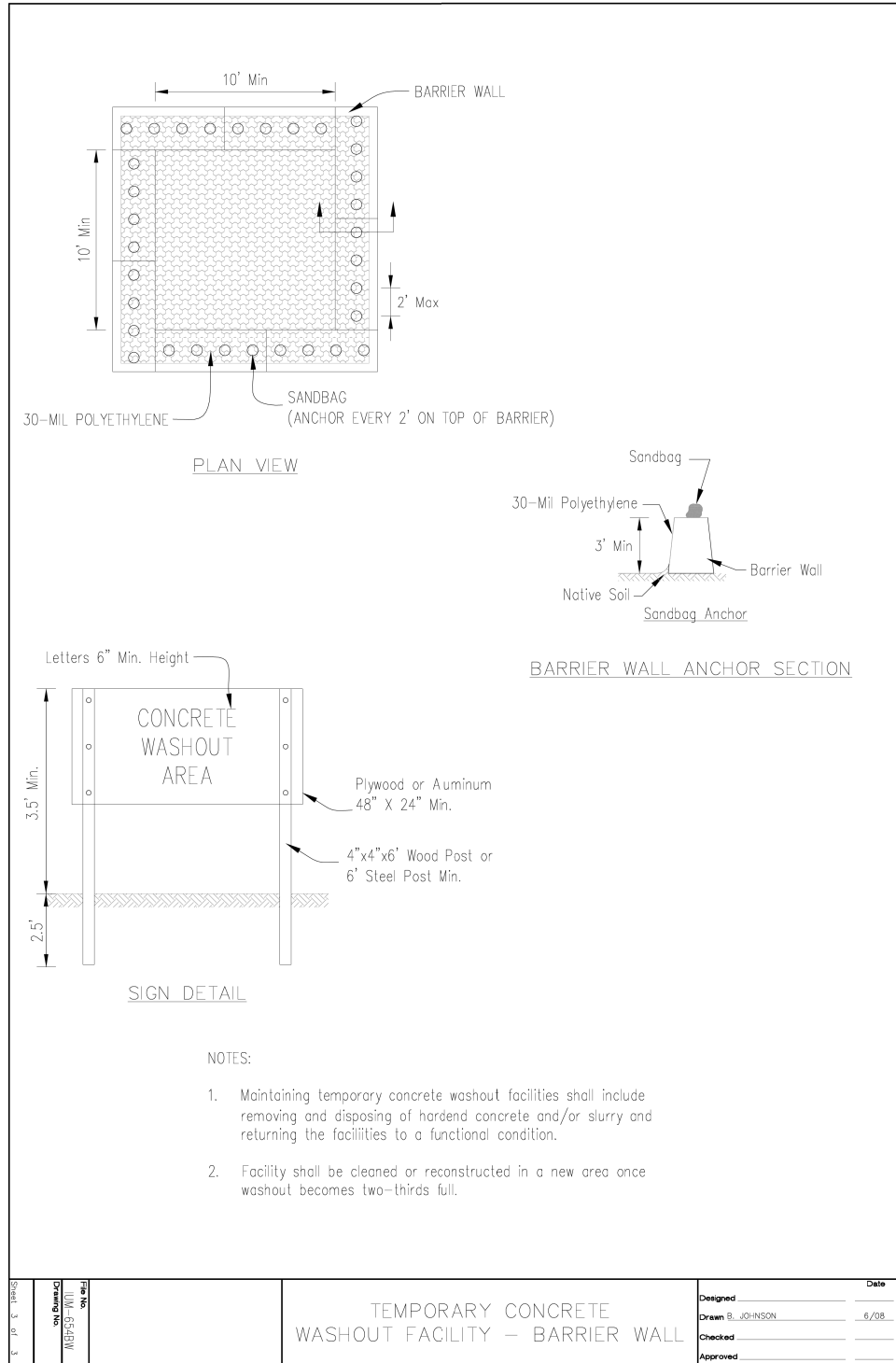
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING AND EROSION CONTROL DETAILS

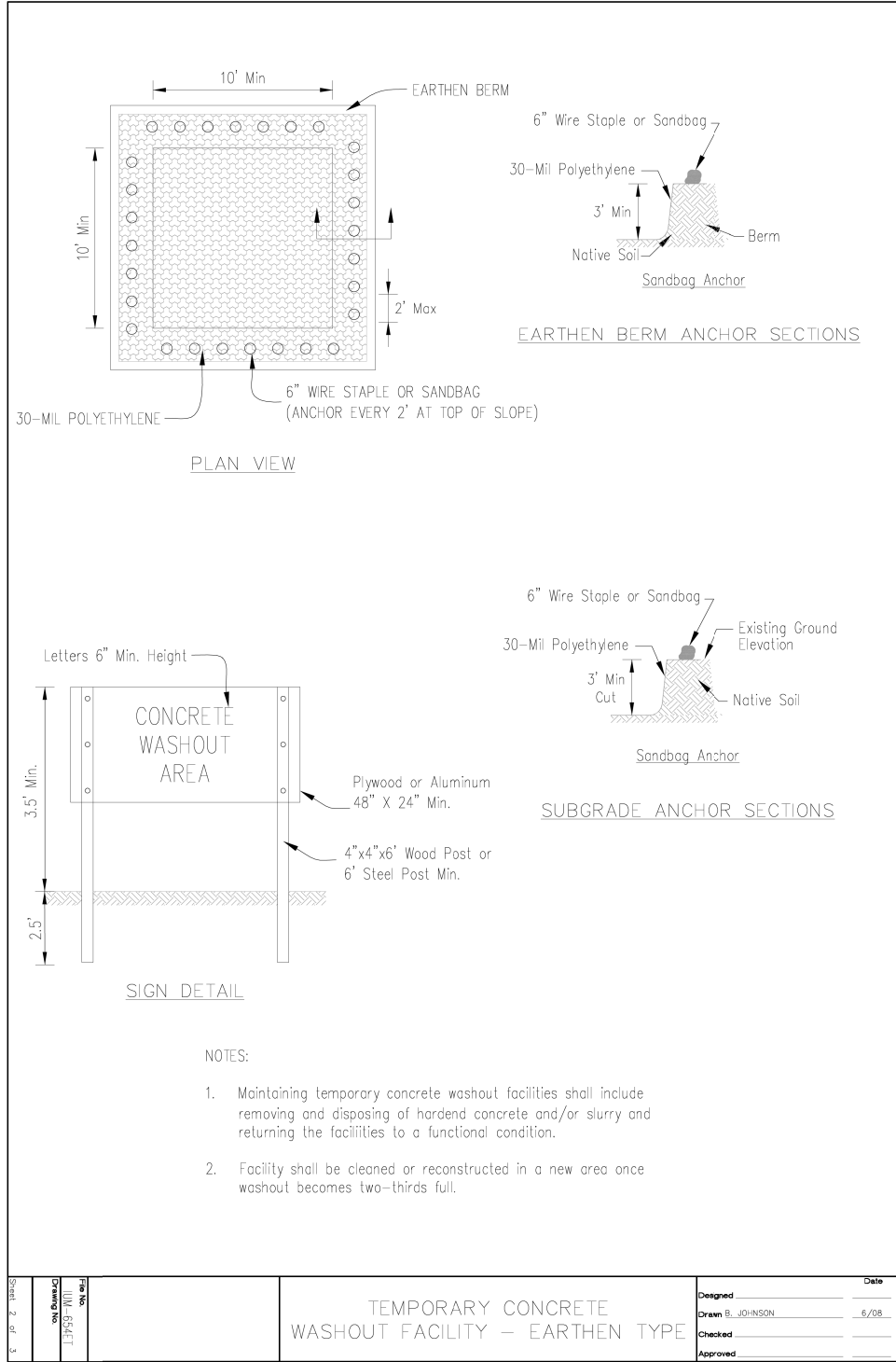
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	66
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

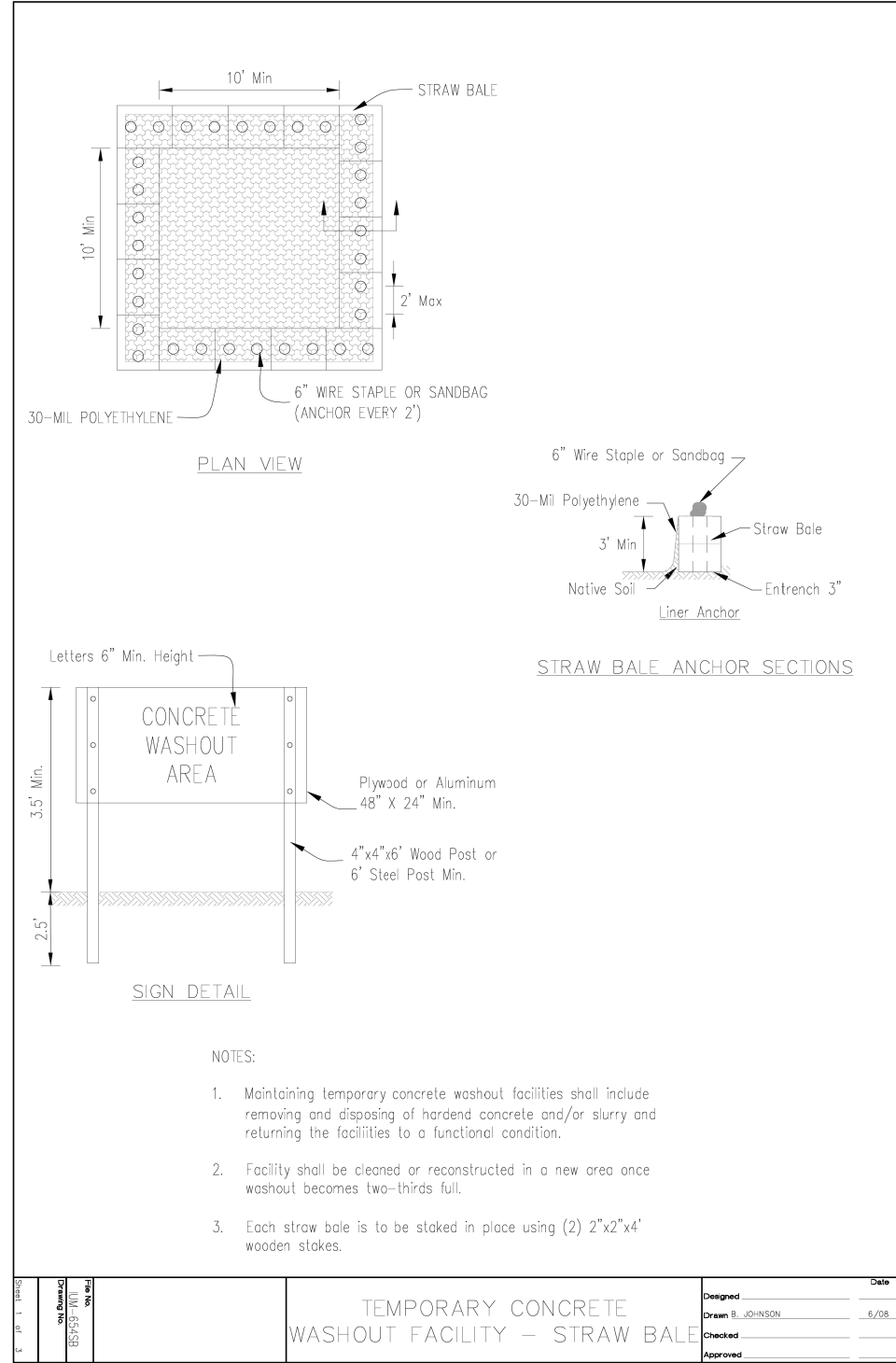
AUTOCAD2006



AUTOCAD2006



AUTOCAD2006



MODEL: Default
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PLOT SCALE	DATE -	REVISED -
PLOT DATE		
4/3/2026		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND EROSION CONTROL DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	67
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

REMOVAL NOTES:

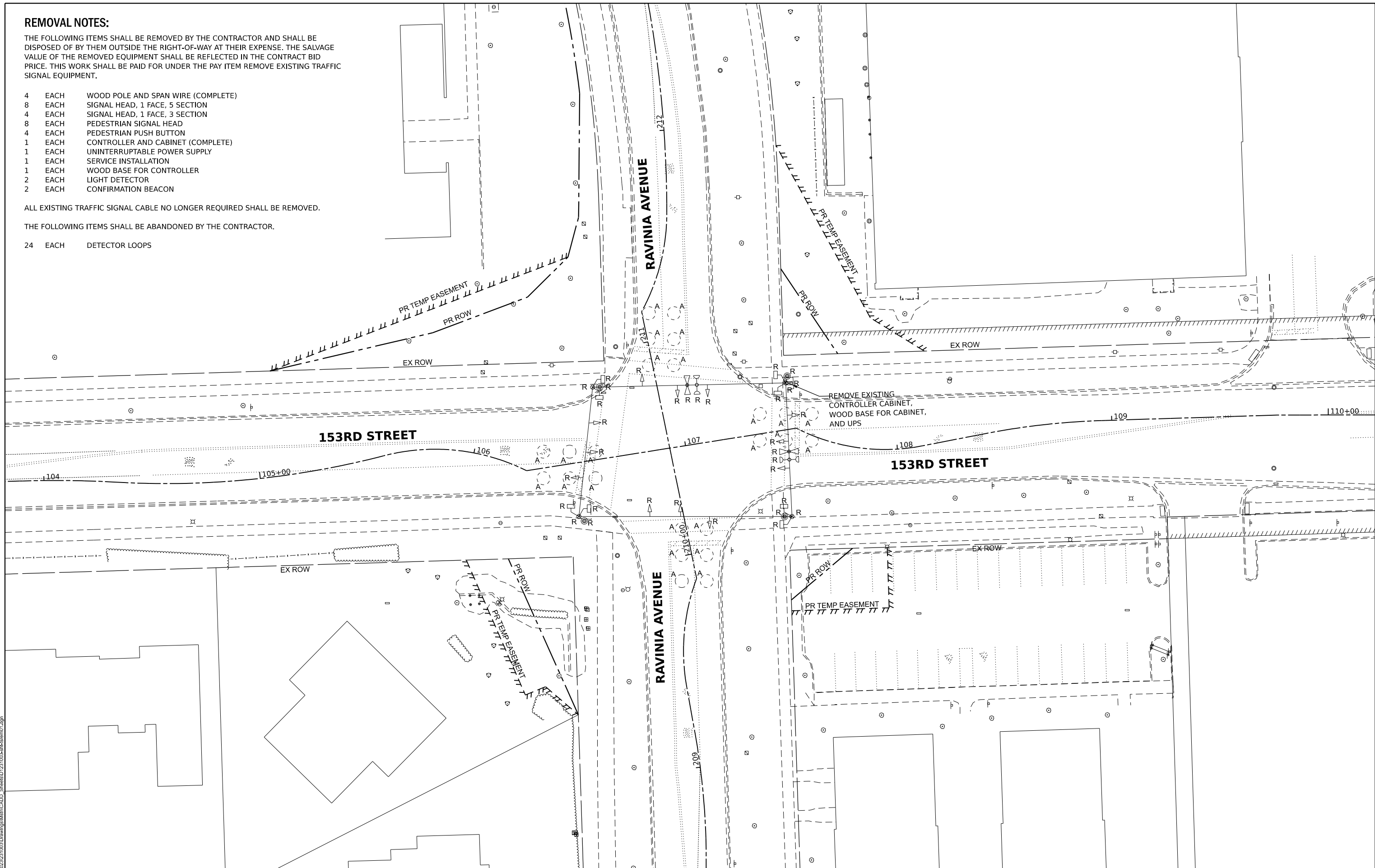
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE. THIS WORK SHALL BE PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 4 EACH WOOD POLE AND SPAN WIRE (COMPLETE)
- 8 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
- 4 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH BUTTON
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY
- 1 EACH SERVICE INSTALLATION
- 1 EACH WOOD BASE FOR CONTROLLER
- 2 EACH LIGHT DETECTOR
- 2 EACH CONFIRMATION BEACON

ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

THE FOLLOWING ITEMS SHALL BE ABANDONED BY THE CONTRACTOR.

- 24 EACH DETECTOR LOOPS



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PLOT DATE	4/3/2026

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CHECKED -	---
DATE -	---

REVISED -	---
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REVISED -	---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLAN
153RD STREET AND RAVINIA AVENUE**

SCALE: 1"=20'

SHEET 1 OF 1 SHEETS

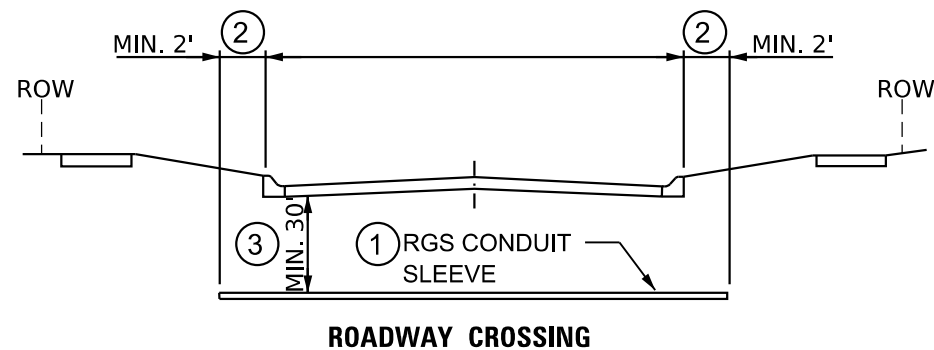
STA.

TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	68
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

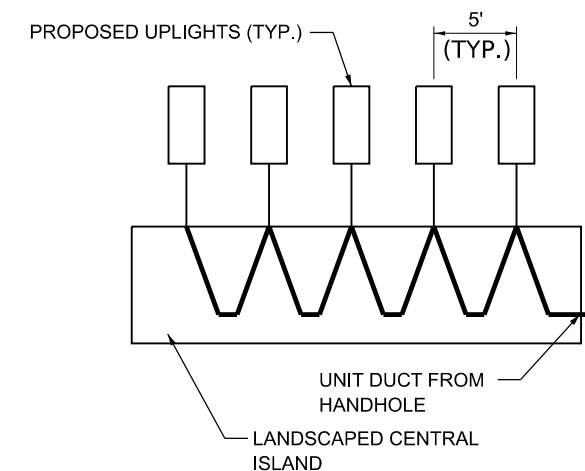
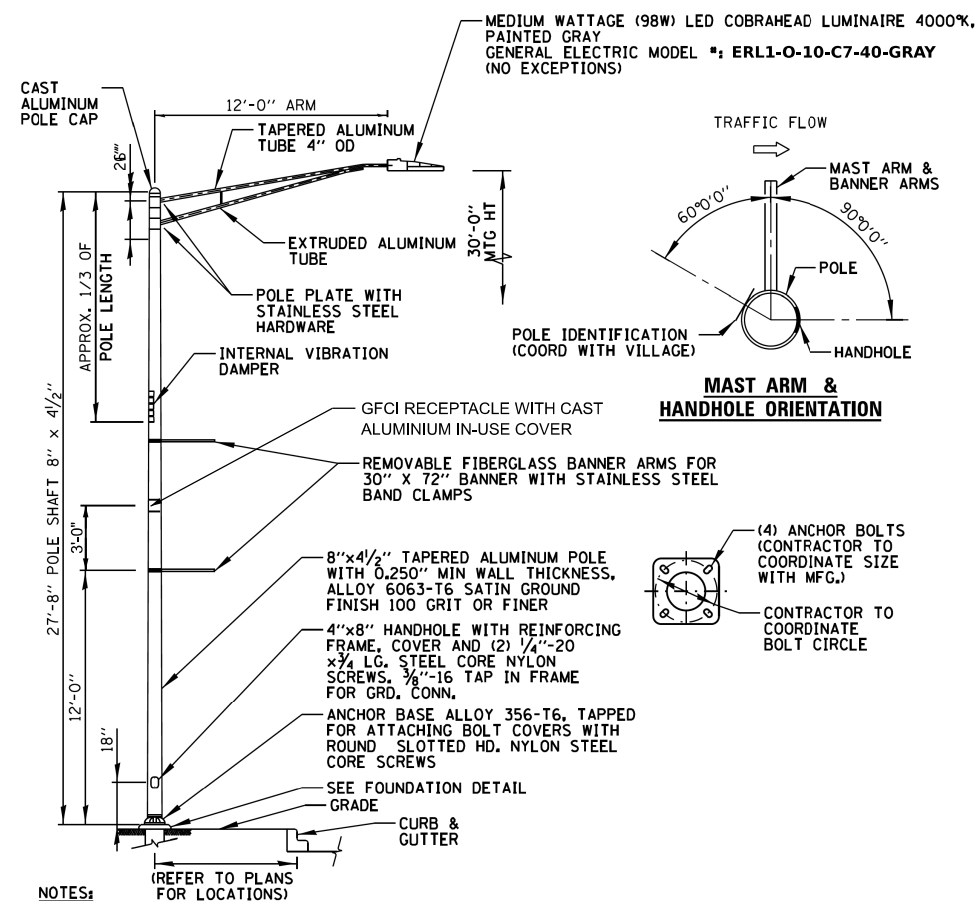
LIGHTING AND ELECTRICAL GENERAL NOTES

1. LOCATION OF LIGHTING AND RECEPTACLE CONDUIT, DUCT HANDHOLES AND APPURTENANCES ARE SHOWN DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL OUTLETS FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
3. PRIOR TO INSTALLATION OF THE NEW UNIT DUCT, CONDUITS, JUNCTION BOXES, LIGHT STANDARD FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLE AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123 OR 811) TO AID IN THIS TASK.
4. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT EQUIPMENT SPECIFICATIONS, CATALOG CUT SHEETS, AND DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT TO THE ENGINEER AND OWNER FOR REVIEW AND APPROVAL.
5. NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER SHALL BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
6. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND APPURTENANCES SHALL BE PROPERLY GROUNDED IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE.
7. THE NEW ELECTRICAL INSTALLATION AND MATERIALS MUST MEET REQUIREMENTS OF STANDARDS BY THE FOLLOWING ORGANIZATIONS:
 - ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT)
 - NATIONAL ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
 - ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES)
 - AMERICAN ASSOCIATION OF TRANSPORTATION OFFICIALS (AATO)
 - U.S. DEPARTMENT OF TRANSPORTATION (USDOT)
 - UNDERWRITERS LABORATORIES (UL)
 - AMERICAN STANDARD INSTITUTE (ASI)
 - INSULATED POWER AND CABLE ENGINEERS ASSOCIATION (IPCEA)
 - NATIONAL ELECTRICAL SAFETY CODE (NEC)
 - NATIONAL ELECTRICAL CODE
 - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
 - AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING (ANSI/IESNA RP-8)
8. ALL SPLICING MUST BE IN POLE BASES OR JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.
9. PARALLEL ELECTRICAL CONDUIT RUNS SHALL BE PLACED IN A COMMON TRENCH IF POSSIBLE.
10. ONLY CONDUIT AND FEEDERS REQUIRED FOR LIGHT POLE SHALL ENTER POLE BASE. ALL OTHER CONDUITS AND FEEDERS SHALL BYPASS LIGHT POLE.
11. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH ELECTRICAL HANDHOLE THEY PASS THROUGH AS WELL AS EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF BOX RATING.
12. ELECTRICAL SERVICE SHALL BE 240/480V, SINGLE-PHASE, UNLESS OTHERWISE NOTED.
13. INSTALL CABLE IN CONTINUOUS UN-CUT LENGTHS BETWEEN HANDHOLES, JUNCTION BOXES, AND PEDESTALS.



1. SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
2. SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
3. SLEEVE SHALL BE MINIMUM OF 30' BELOW ROADWAY OF CURB BOTTOM.

ELECTRIC CONDUIT INSTALLATION



- NOTES**
1. UPLIGHTS TO BE ORIENTED TO LIGHT LANDSCAPING IN CENTER OF ROUNDABOUT.

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PLOT SCALE	-	CHECKED	-	REVISIONS	-
PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STREET LIGHTING GENERAL NOTES AND DETAILS

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

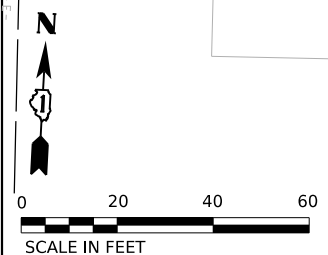
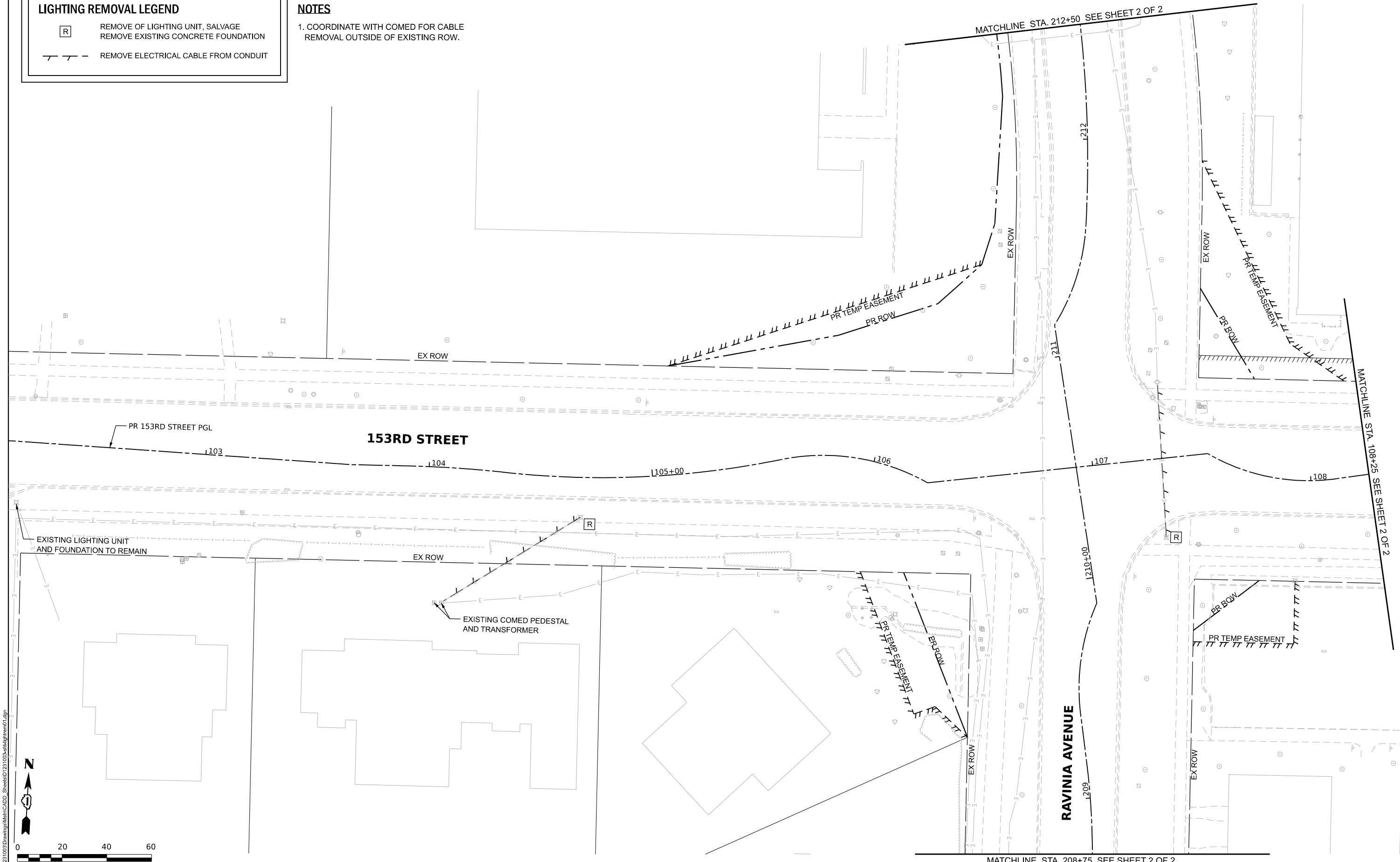
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	69
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

LIGHTING REMOVAL LEGEND

- R REMOVE OF LIGHTING UNIT, SALVAGE
- REMOVE EXISTING CONCRETE FOUNDATION
- REMOVE ELECTRICAL CABLE FROM CONDUIT

NOTES

1. COORDINATE WITH COMED FOR CABLE REMOVAL OUTSIDE OF EXISTING ROW.



MODEL: Default
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PLOT SCALE		DRAWN -	REVISED -
PLOT DATE	4/3/2026	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING REMOVAL PLAN

SCALE: 1"=20" SHEET 1 OF 2 SHEETS STA. 102+25.00 TO STA. 108+25.00

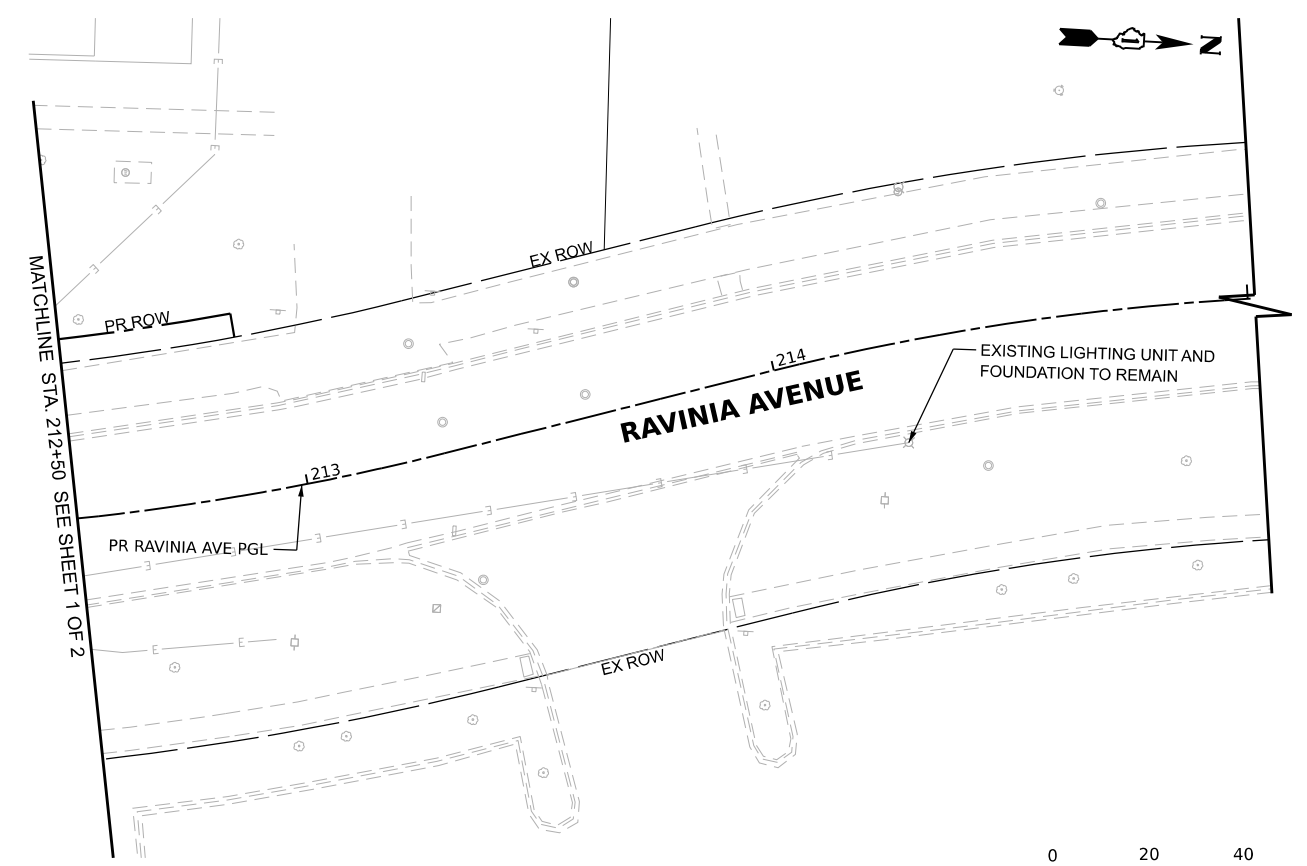
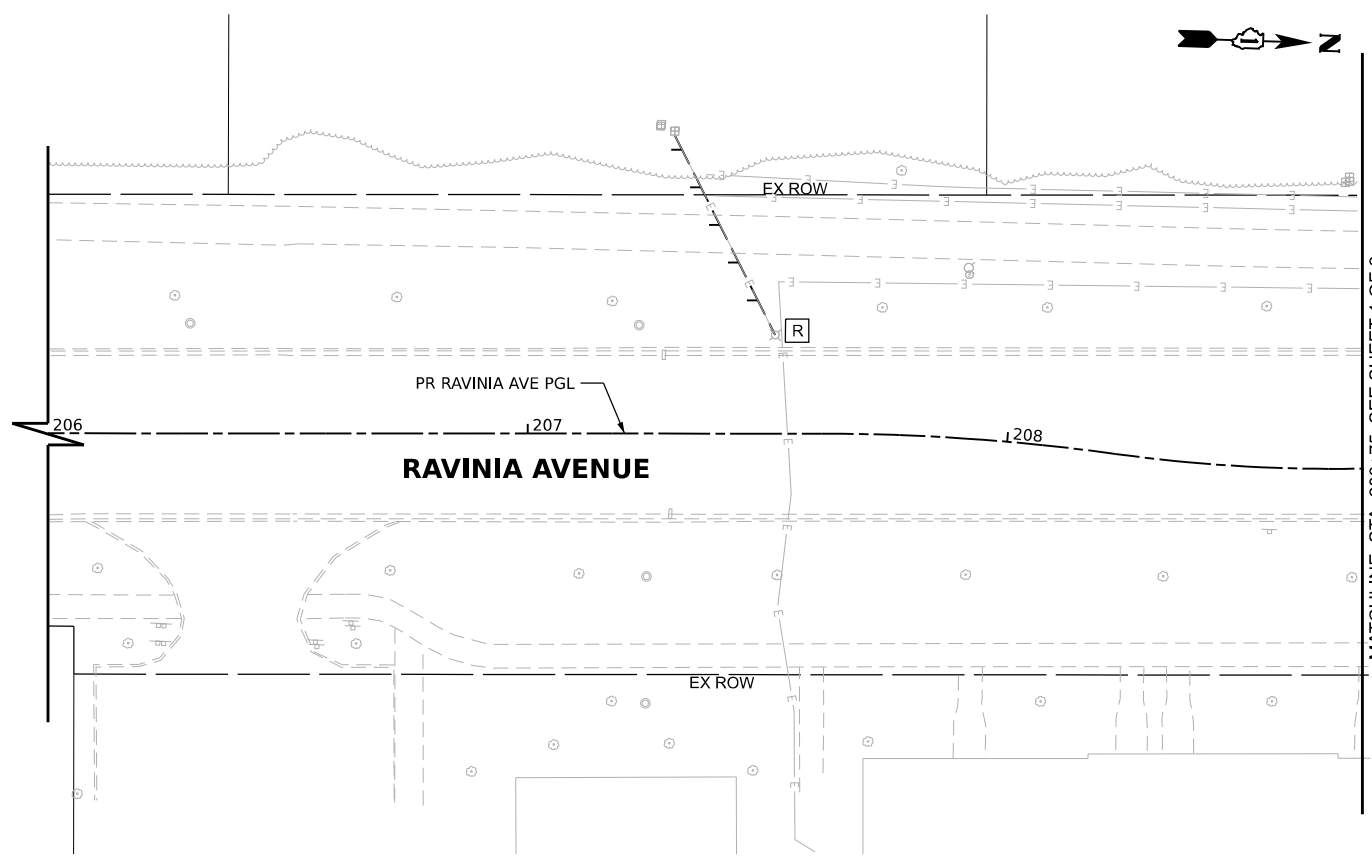
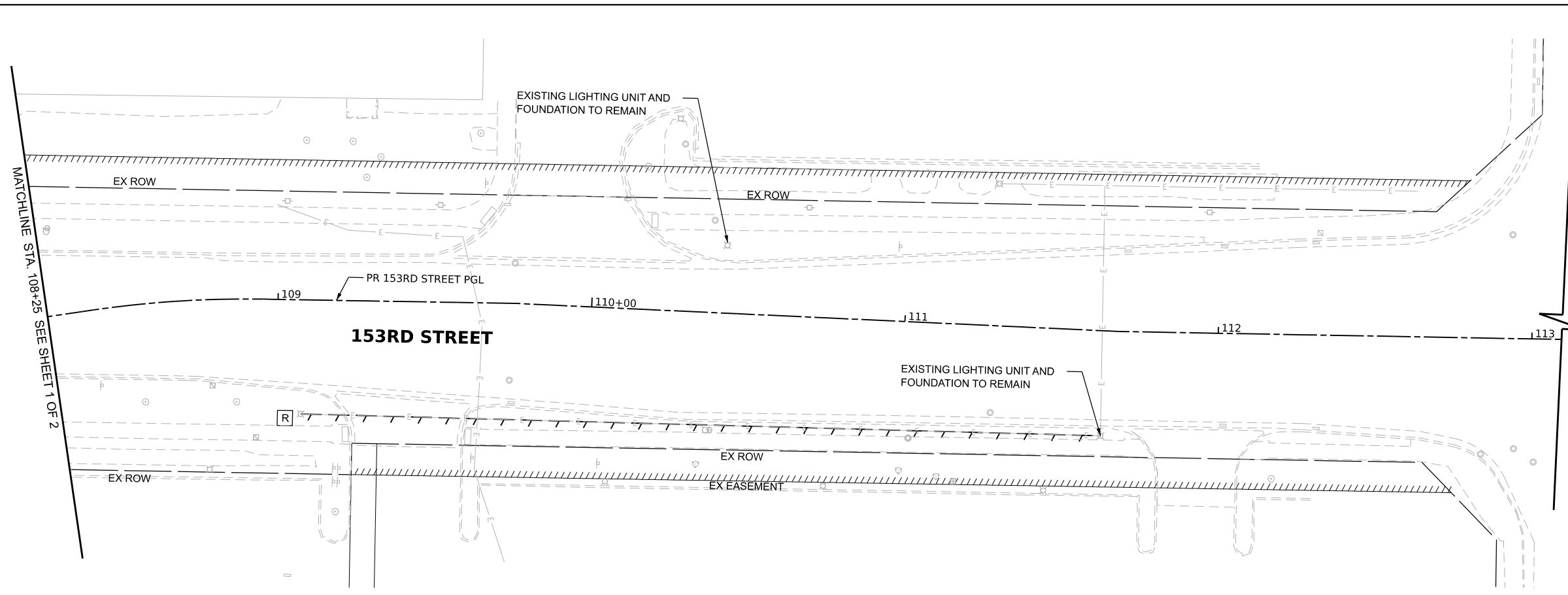
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1709	21-00088-00-CH	COOK	99	70
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

LIGHTING REMOVAL LEGEND

- R REMOVE OF LIGHTING UNIT, SALVAGE
REMOVE EXISTING CONCRETE FOUNDATION
- REMOVE ELECTRICAL CABLE FROM CONDUIT

NOTES

- COORDINATE WITH COMED FOR CABLE REMOVAL OUTSIDE OF EXISTING ROW.



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PLOT DATE	4/3/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

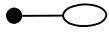
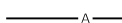


STREET LIGHTING REMOVAL PLAN

SCALE: 1"=20" SHEET 2 OF 2 SHEETS STA. 108+25.00 TO STA. 111+00.00
206+00.00 215+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	71
CONTRACT NO. 61M50				

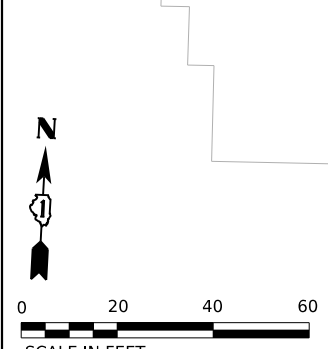
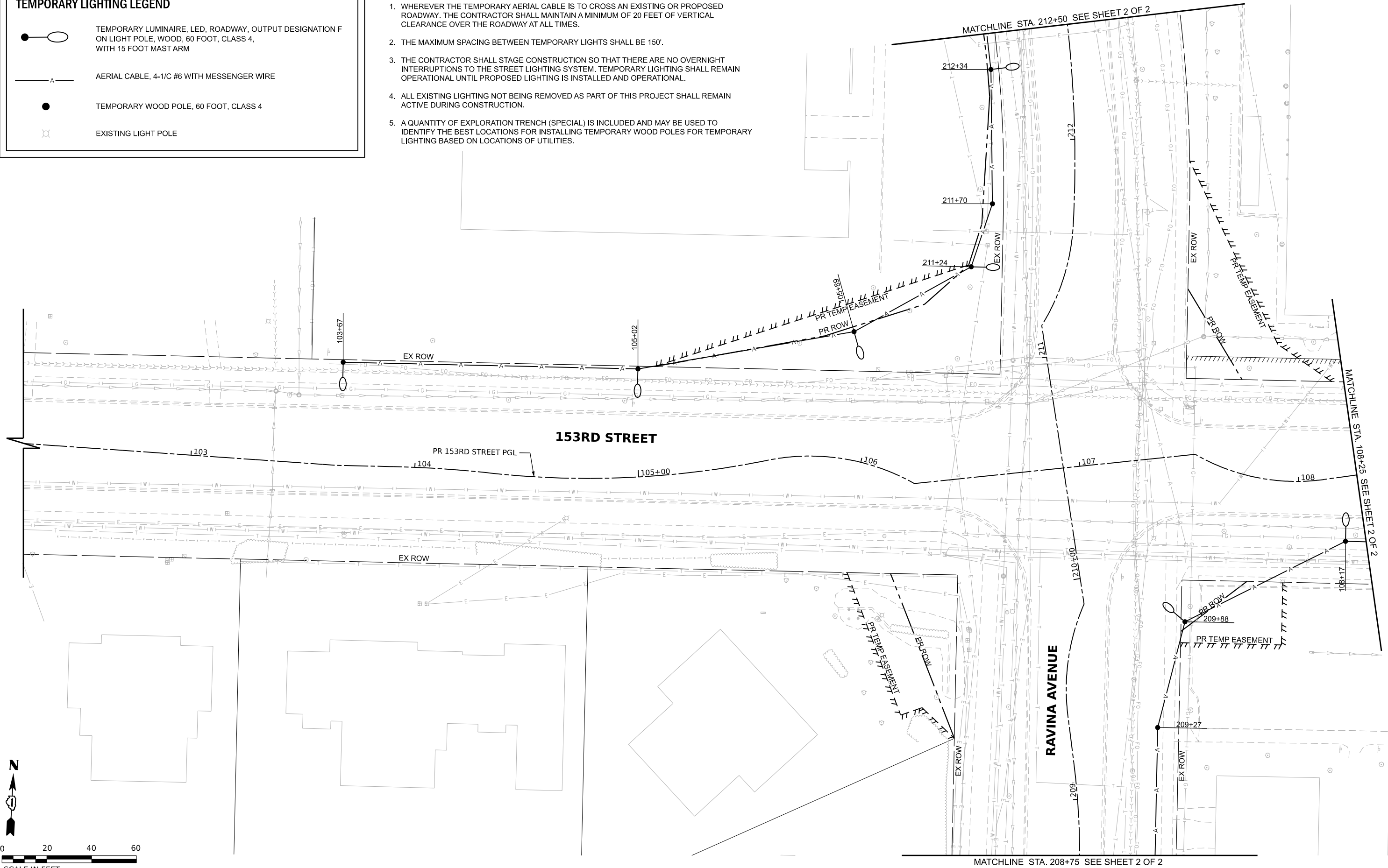
ILLINOIS FED. AID PROJECT

TEMPORARY LIGHTING LEGEND

-  TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F ON LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15 FOOT MAST ARM
-  AERIAL CABLE, 4-1/C #6 WITH MESSENGER WIRE
-  TEMPORARY WOOD POLE, 60 FOOT, CLASS 4
-  EXISTING LIGHT POLE

NOTES

1. WHEREVER THE TEMPORARY AERIAL CABLE IS TO CROSS AN EXISTING OR PROPOSED ROADWAY. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
2. THE MAXIMUM SPACING BETWEEN TEMPORARY LIGHTS SHALL BE 150'.
3. THE CONTRACTOR SHALL STAGE CONSTRUCTION SO THAT THERE ARE NO OVERNIGHT INTERRUPTIONS TO THE STREET LIGHTING SYSTEM. TEMPORARY LIGHTING SHALL REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.
4. ALL EXISTING LIGHTING NOT BEING REMOVED AS PART OF THIS PROJECT SHALL REMAIN ACTIVE DURING CONSTRUCTION.
5. A QUANTITY OF EXPLORATION TRENCH (SPECIAL) IS INCLUDED AND MAY BE USED TO IDENTIFY THE BEST LOCATIONS FOR INSTALLING TEMPORARY WOOD POLES FOR TEMPORARY LIGHTING BASED ON LOCATIONS OF UTILITIES.



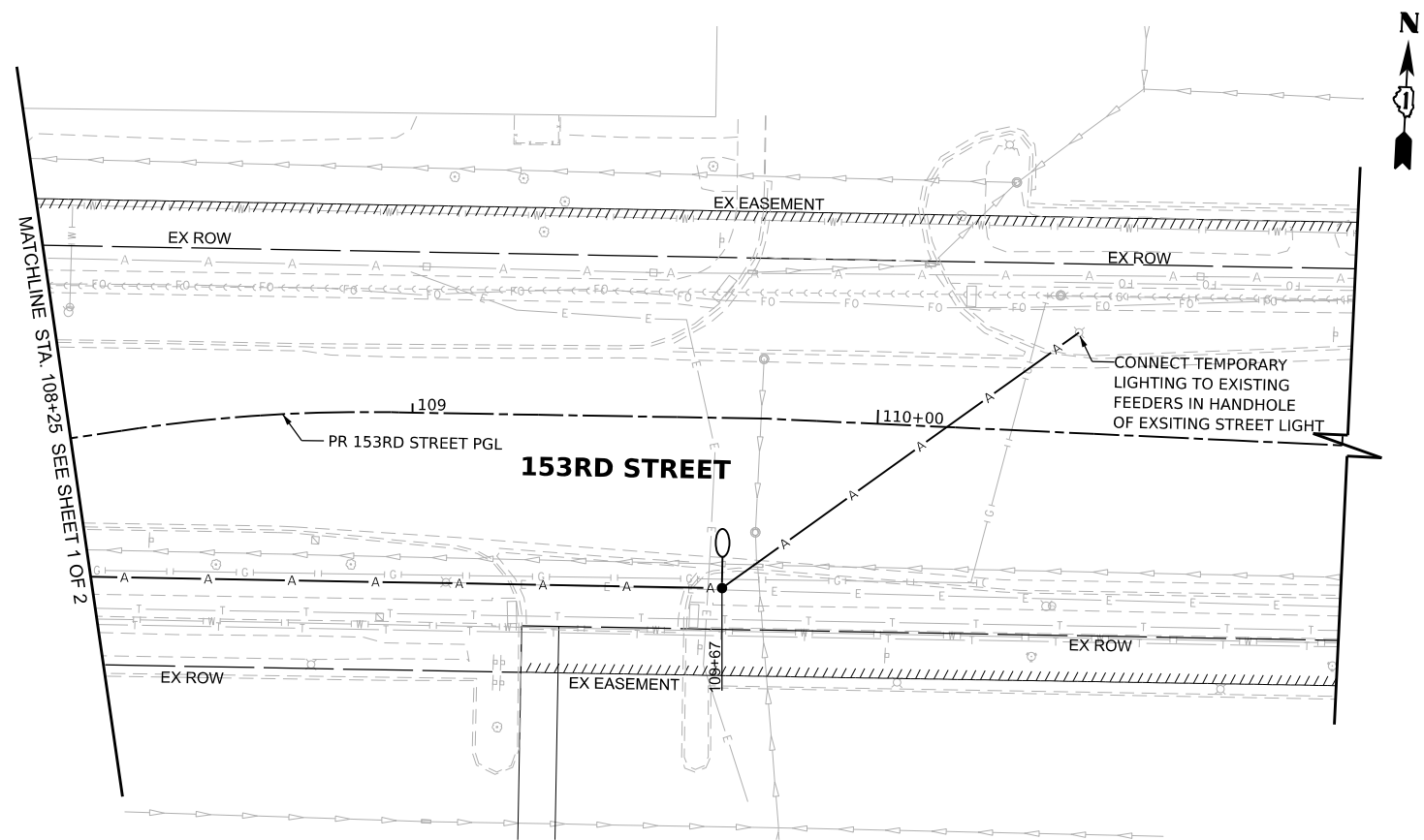
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PLOT SCALE	1"=20'	DRAWN	-	REVISED	-
PLOT DATE	4/3/2026	CHECKED	-	REVISED	-
		DATE	-	REVISED	-


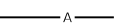


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY STREET LIGHTING PLAN
 SCALE: 1"=20"
 SHEET 1 OF 2 SHEETS
 STA. 102+25.00 TO STA. 108+25.00

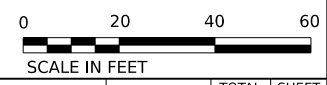
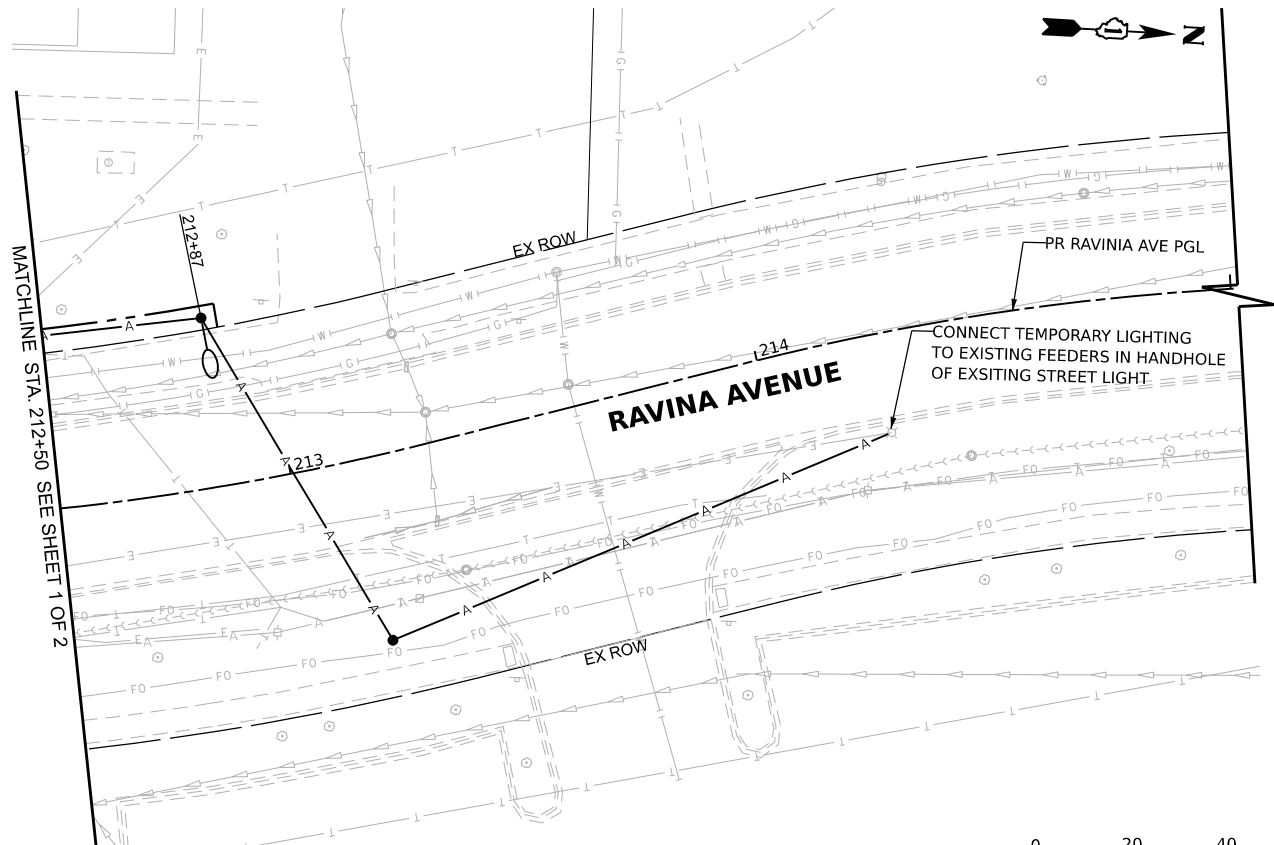
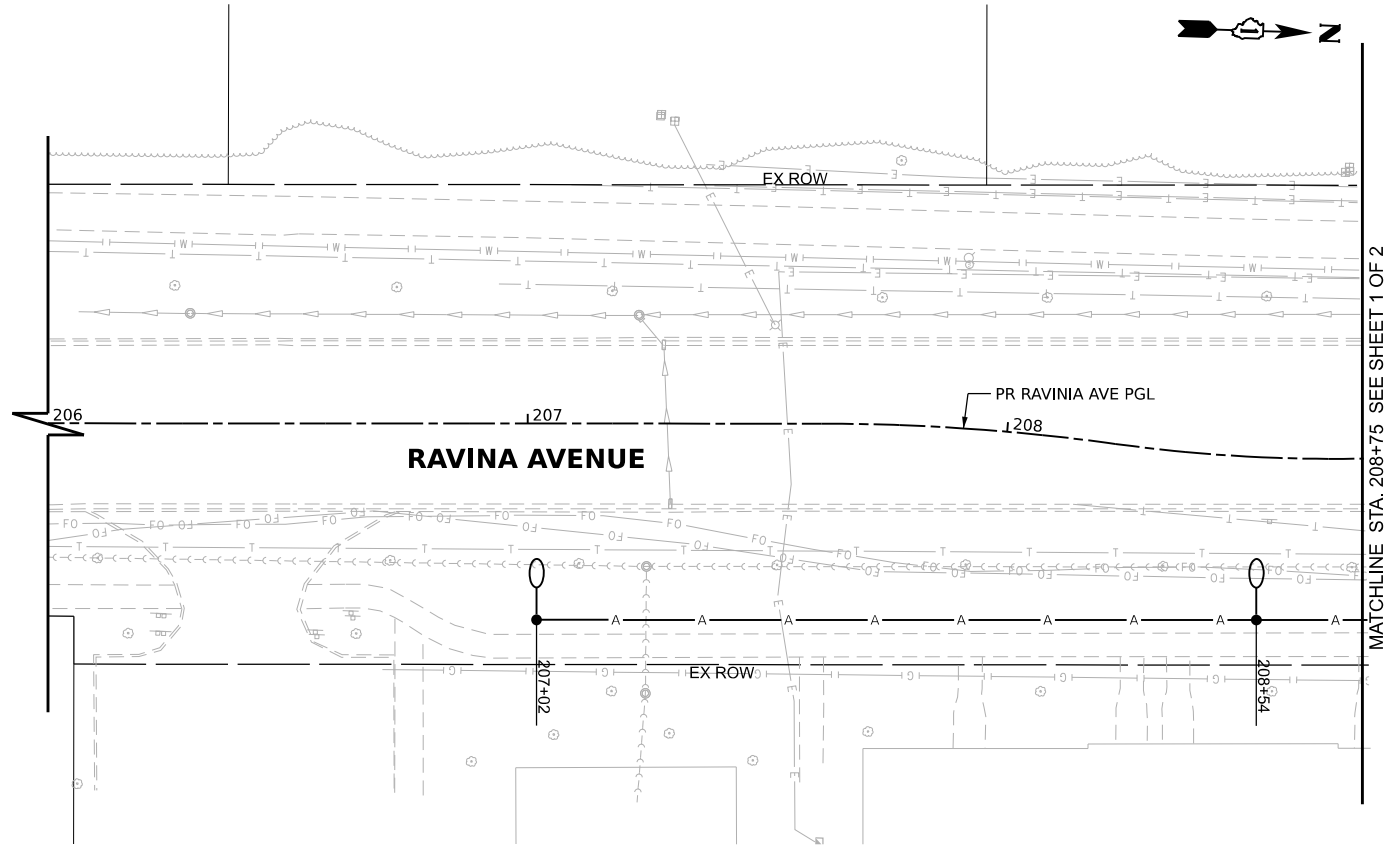
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	72
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHTING LEGEND

-  TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F ON LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15 FOOT MAST ARM
-  AERIAL CABLE, 4-1/C #6 WITH MESSENGER WIRE
-  TEMPORARY WOOD POLE, 60 FOOT, CLASS 4
-  EXISTING LIGHT POLE

- ### NOTES
- WHEREVER THE TEMPORARY AERIAL CABLE IS TO CROSS AN EXISTING OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
 - THE MAXIMUM SPACING BETWEEN TEMPORARY LIGHTS SHALL BE 150'.
 - THE CONTRACTOR SHALL STAGE CONSTRUCTION SO THAT THERE ARE NO OVERNIGHT INTERRUPTIONS TO THE STREET LIGHTING SYSTEM. TEMPORARY LIGHTING SHALL REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.
 - ALL EXISTING LIGHTING NOT BEING REMOVED AS PART OF THIS PROJECT SHALL REMAIN ACTIVE DURING CONSTRUCTION.
 - A QUANTITY OF EXPLORATION TRENCH (SPECIAL) IS INCLUDED AND MAY BE USED TO IDENTIFY THE BEST LOCATIONS FOR INSTALLING TEMPORARY WOOD POLES FOR TEMPORARY LIGHTING BASED ON LOCATIONS OF UTILITIES.



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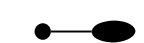
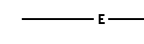





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PLOT SCALE		CHECKED -	REVISED -
PLOT DATE	4/3/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY STREET LIGHTING PLAN	
SCALE: 1"=20"	SHEET 2 OF 2 SHEETS
STA. 108+25.00 206+00.00	TO STA. 111+00.00 215+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	73
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

LIGHTING LEGEND

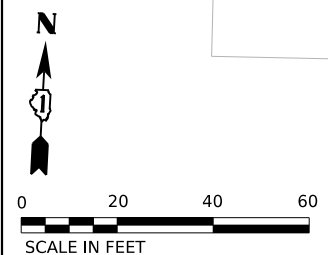
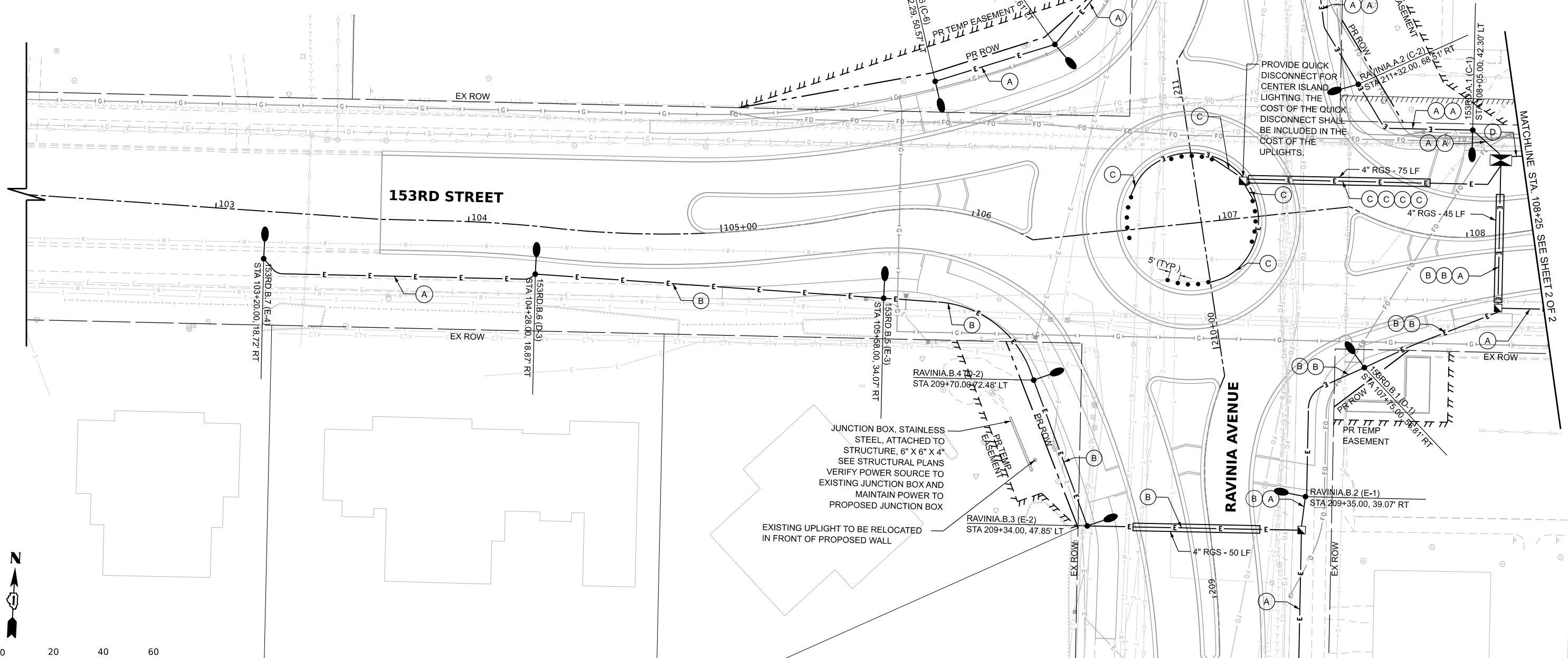
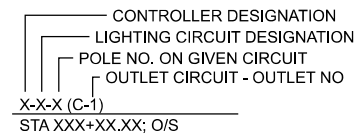
-  PROPOSED EVOLVE ERL1 COBRAHEAD LED ROADWAY LUMINAIRE AND POLE ON 24" CONCRETE FOUNDATION* WITH GROUND ROD, 30'-0" MOUNTING HEIGHT, 12' MAST ARM, 98 WATT WITH BREAKAWAY TRANSFORMER BASE
-  PROPOSED ELECTRICAL CONDUIT AND CABLE (SEE CONDUIT AND CABLE LEGEND)
-  PROPOSED LIGHTING CONTROLLER, 200A, 240/480V, SINGLE PHASE, SINGLE DOOR, BASE MOUNTED, WITH 120/240V 5KVA TRANSFORMER
-  PROPOSED 24" X 24" COMPOSITE CONCRETE HANDHOLE
-  PROPOSED RIGID GALVANIZED STEEL CONDUIT
-  PROPOSED LED UPLIGHTS
KICHLER LIGHTING: 16019-BKT-30
FX LUMINAIRE: A-CT4-UV-L13-K30-FL-FB-MKCT4
OR ALCON LUMINAIRE: 9165-4-20-30K-BK-40-GS-9
-  EXISTING STREET LIGHTING

*ALTERNATIVELY, A LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET CAN BE USED TO AVOID CONFLICTS WITH OTHER UTILITIES.

CONDUIT AND CABLE LEGEND

- (A) UNIT DUCT, 600V, 2-1C NO. 6, 2-1C NO. 2, 1/C NO. 2 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE
- (B) UNIT DUCT, 600V, 2-1C NO. 6, 3-1C NO. 2, 1/C NO. 2 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE
- (C) UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3" DIA. POLYETHYLENE
- (D) SERVICE CONDUCTORS 3-1/C #3/0 IN 2.5" DIA. RIGID GALVANIZED STEEL CONDUIT

CIRCUIT DESIGNATION IDENTIFICATION



MODEL: Default
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DATE	4/3/2026	REVISOR -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20"		SHEET 1 OF 2 SHEETS		STA. 102+25.00 TO STA. 108+25.00	
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STREET LIGHTING PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	74
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

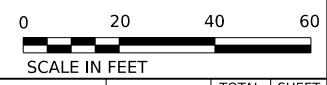
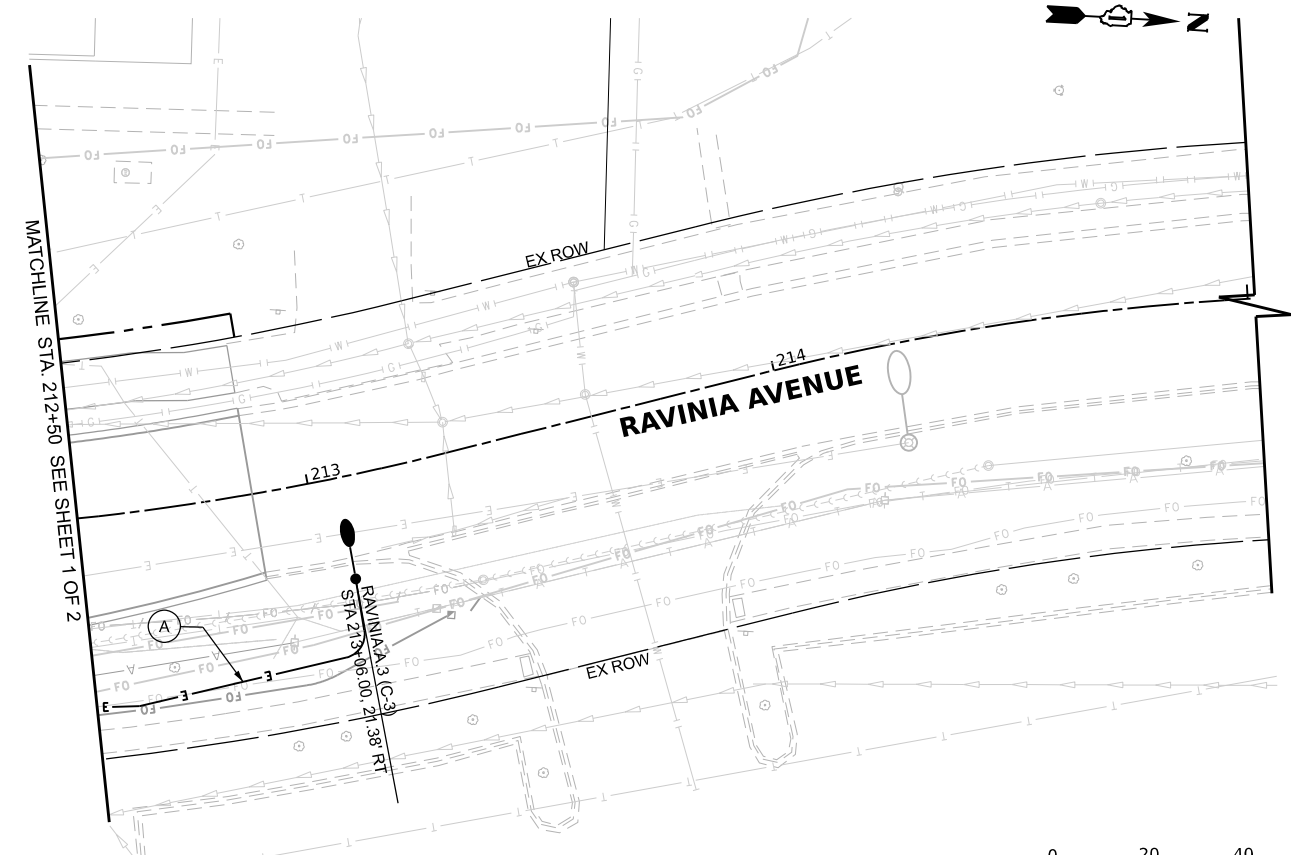
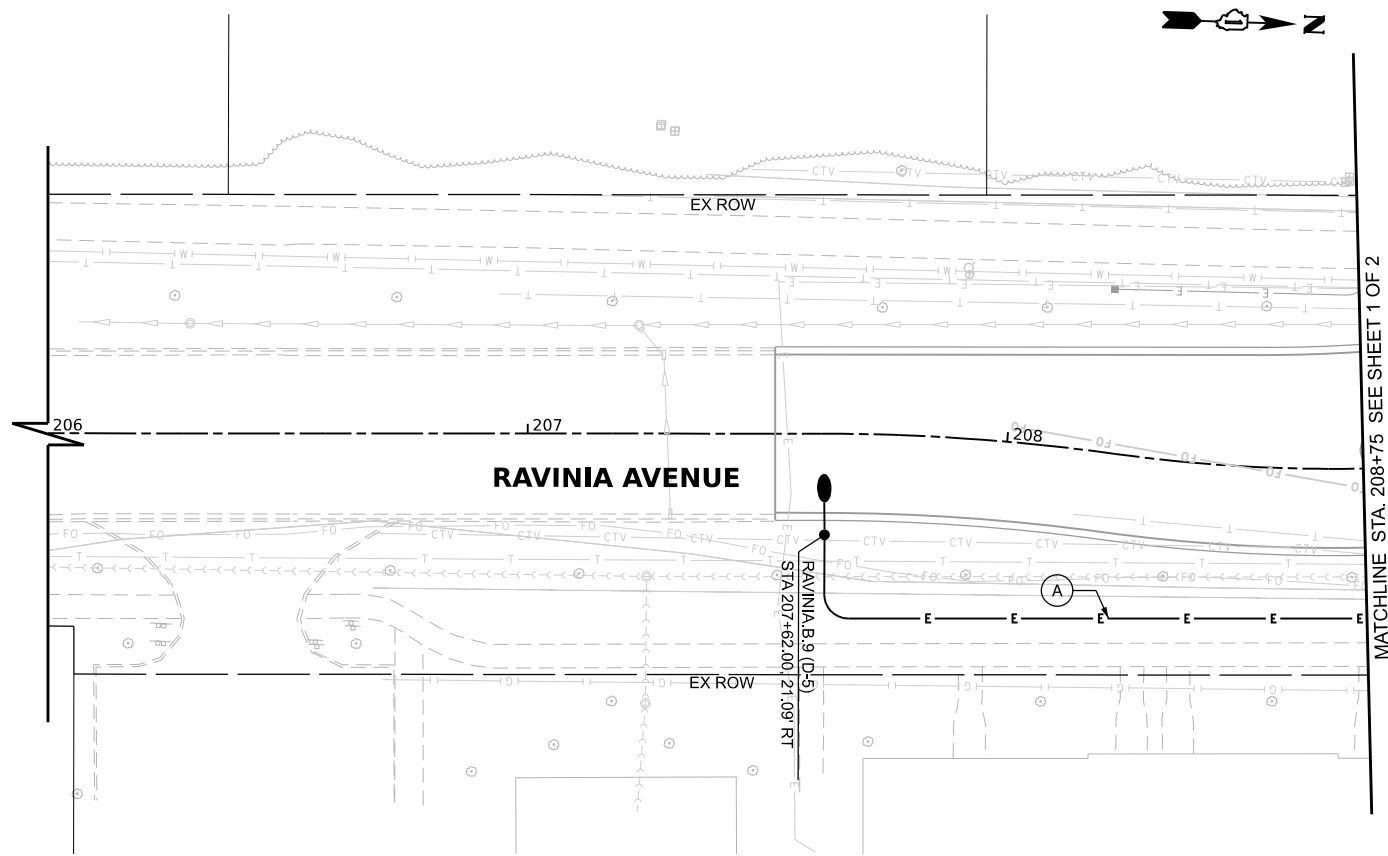


- CONDUIT AND CABLE LEGEND**
- (A) UNIT DUCT, 600V, 2-1C NO. 6, 2-1C NO. 2, 1/C NO. 2 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE
 - (B) UNIT DUCT, 600V, 2-1C NO. 6, 3-1C NO. 2, 1/C NO. 2 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE
 - (C) UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
 - (D) SERVICE CONDUCTORS 3-1/C #3/0 IN 2.5" DIA. RIGID GALVANIZED STEEL CONDUIT

- CIRCUIT DESIGNATION IDENTIFICATION**
- CONTROLLER DESIGNATION
 - LIGHTING CIRCUIT DESIGNATION
 - POLE NO. ON GIVEN CIRCUIT
 - OUTLET CIRCUIT - OUTLET NO
- X-X-X (C-1)
STA XXX+XX.XX; O/S

- LIGHTING LEGEND**
- PROPOSED EVOLVE ERL1 COBRAHEAD LED ROADWAY LUMINAIRE AND POLE ON 24" CONCRETE FOUNDATION* WITH GROUND ROD, 30'-0" MOUNTING HEIGHT, 12' MAST ARM, 98 WATT WITH BREAKAWAY TRANSFORMER BASE
 - PROPOSED ELECTRICAL CONDUIT AND CABLE (SEE CONDUIT AND CABLE LEGEND)
 - PROPOSED LIGHTING CONTROLLER, 200A, 240/480V, SINGLE PHASE, SINGLE DOOR, BASE MOUNTED, WITH 120/240V 5KVA TRANSFORMER
 - PROPOSED 24" X 24" COMPOSITE CONCRETE HANDHOLE
 - PROPOSED RIGID GALVANIZED STEEL CONDUIT
 - PROPOSED LED UPLIGHTS
KICHLER LIGHTING: 16019-BKT-30
FX LUMINAIRE: A-CT4-UV-L13-K30-FL-FB-MKCT4
OR ALCON LUMINAIRE: 9165-4-20-30K-BK-40-GS-9
 - EXISTING STREET LIGHTING

*ALTERNATIVELY, A LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET CAN BE USED TO AVOID CONFLICTS WITH OTHER UTILITIES.



MODEL: Default
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USER NAME	cbautista	DESIGNED -	REVISED -
DRAWN -		REVISOR -	
CHECKED -		REVISOR -	
DATE	4/3/2026	REVISOR -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





STREET LIGHTING PLAN

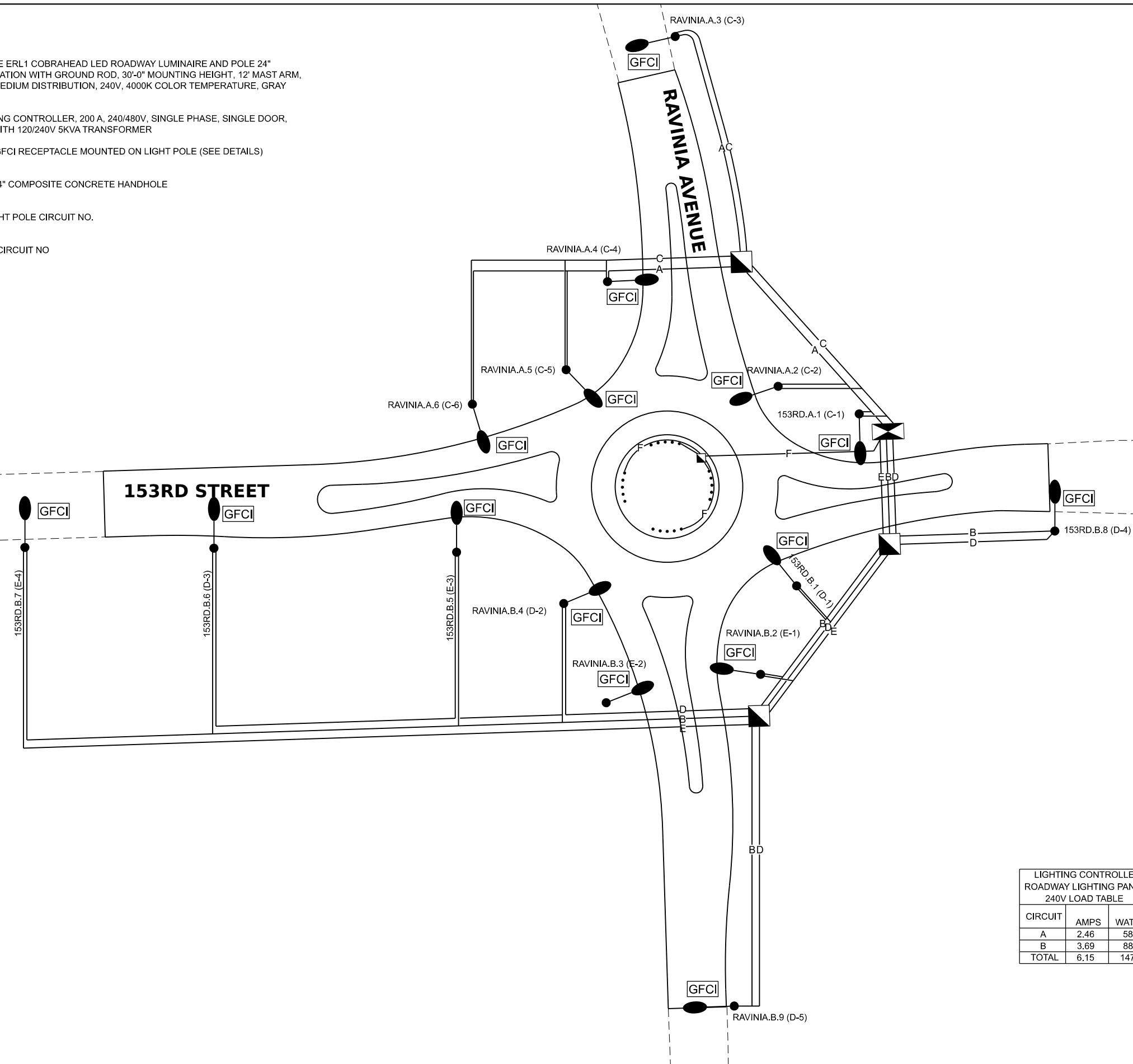
SCALE: 1"=20" SHEET 2 OF 2 SHEETS STA. 108+25.00 TO STA. 111+00.00
206+00.00 215+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	75
CONTRACT NO. 61M50				

ILLINOIS FED. AID PROJECT

LEGEND

-  PROPOSED EVOLVE ERL1 COBRAHEAD LED ROADWAY LUMINAIRE AND POLE 24" CONCRETE FOUNDATION WITH GROUND ROD, 30'-0" MOUNTING HEIGHT, 12' MAST ARM, 98 WATT, TYPE III MEDIUM DISTRIBUTION, 240V, 4000K COLOR TEMPERATURE, GRAY
-  PROPOSED LIGHTING CONTROLLER, 200 A, 240/480V, SINGLE PHASE, SINGLE DOOR, BASE MOUNTED, WITH 120/240V 5KVA TRANSFORMER
-  PROPOSED 120 V GFCI RECEPTACLE MOUNTED ON LIGHT POLE (SEE DETAILS)
-  PROPOSED 24" X 24" COMPOSITE CONCRETE HANDHOLE
- 153RD A.1 STREET NAME, LIGHT POLE CIRCUIT NO.
- (C-1) OUTLET CIRCUIT - CIRCUIT NO



LIGHTING CONTROLLER ROADWAY LIGHTING PANEL 240V LOAD TABLE

CIRCUIT	AMPS	WATTS
A	2.46	588
B	3.69	882
TOTAL	6.15	1470

LIGHTING CONTROLLER RECEPTACLE & UPLIGHT LIGHTING PANEL (120V) LOAD TABLE

CIRCUIT	AMPS	WATTS
C	30.00	3,600
D	20.00	2,400
E	25.00	3,000
F	3.40	400
TOTAL	78.40	9,400

LIGHTING CONTROLLER OUTLETS

LIGHTING CIRCUIT	OUTLET CIRCUIT	OUTLET NO.
A	C	1
A	C	2
A	C	3
A	C	4
A	C	5
A	C	6
B	D	1
B	E	1
B	D	2
B	E	2
B	D	3
B	E	3
B	D	4
B	E	4
B	D	5

LOAD TABULATION IS BASED ON THE FOLLOWING
 98W EVOLVE ERL1 COBRAHEAD LUMINAIRE: 0.41A@AT 240V
 GFCI RECEPTACLE: 5.00A@AT 120V
 UPLIGHTS: 0.17A@AT 120V

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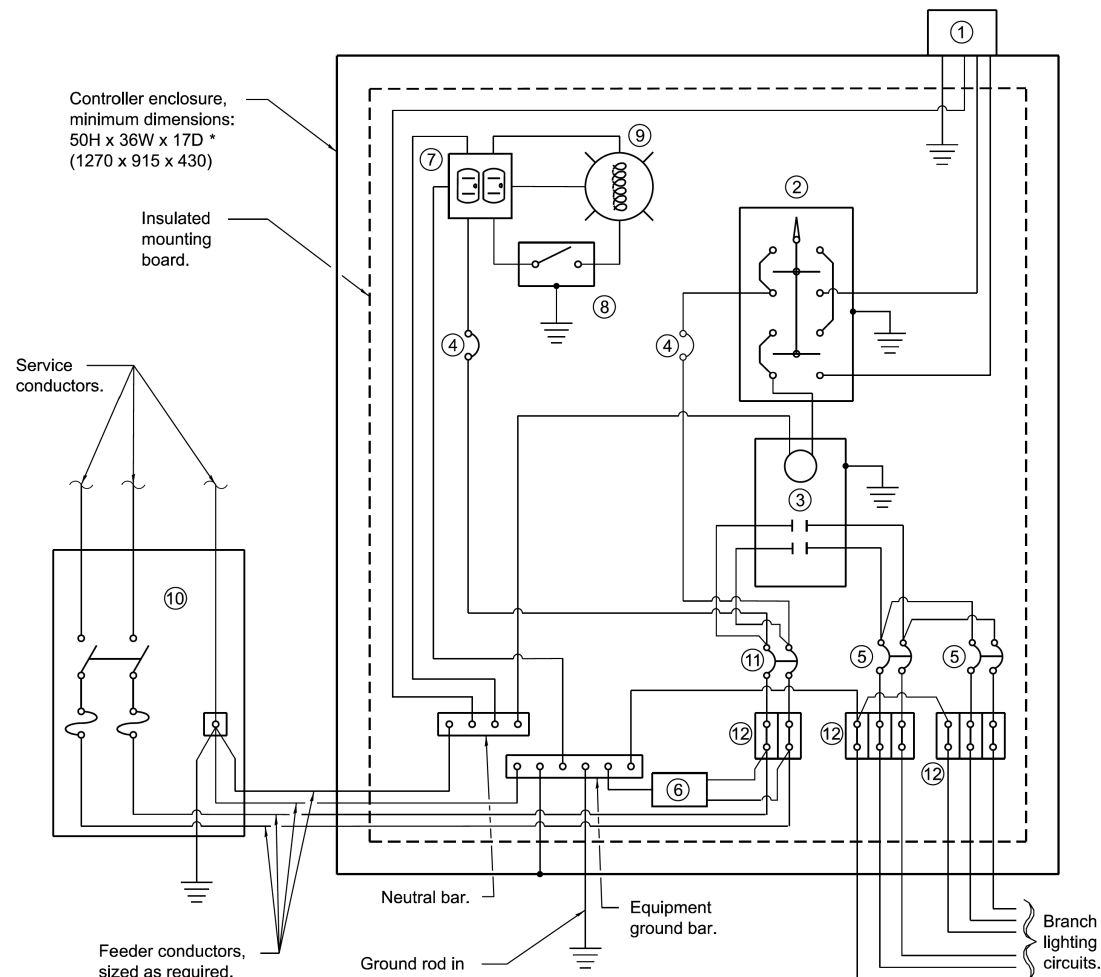


USER NAME	cbautista	DESIGNED	-	REVISED	-
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PLOT DATE	4/3/2026	DATE	-	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

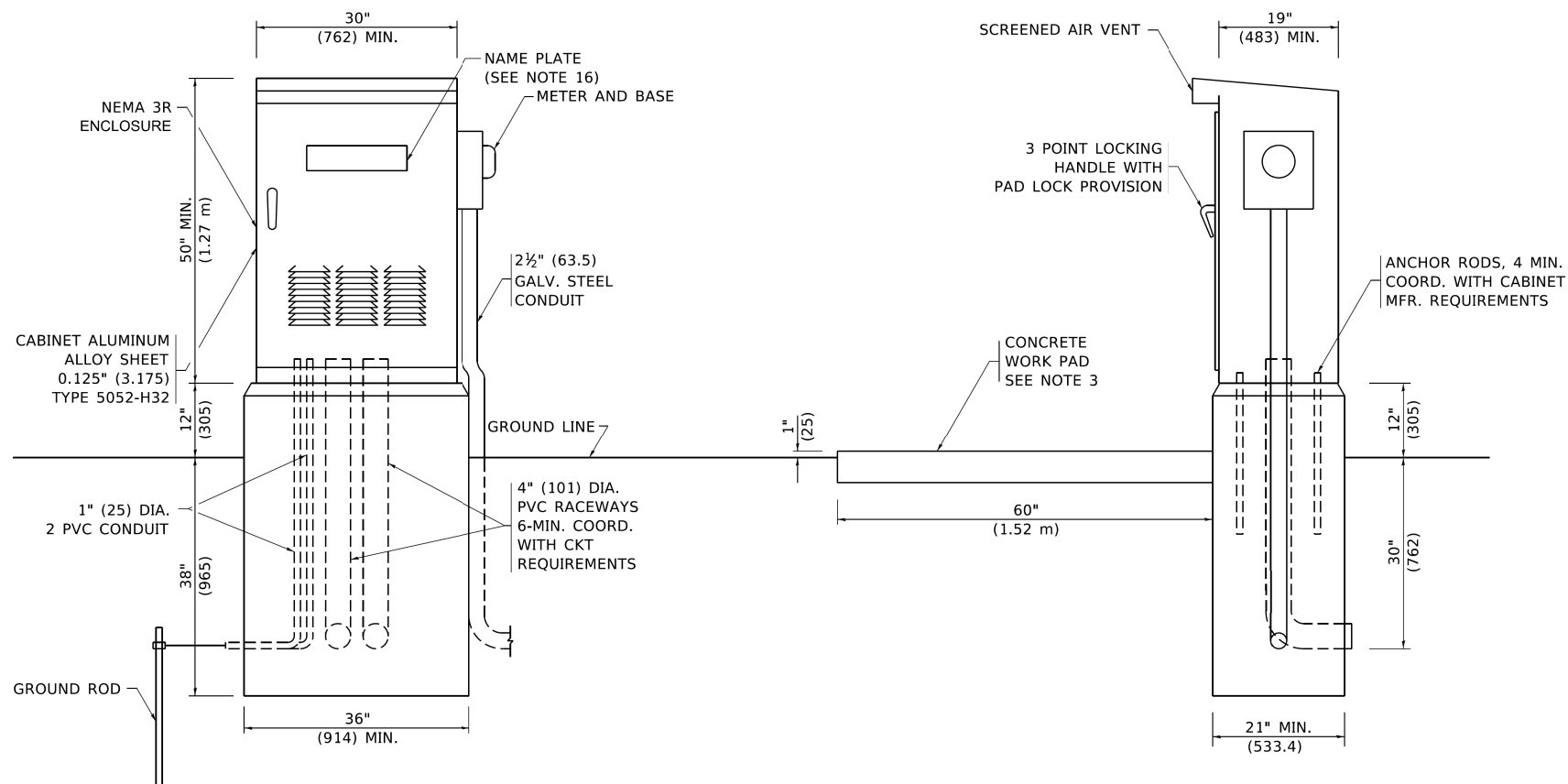
ONE LINE DIAGRAM
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	76
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
- ⑥ Surge arrester.
- ⑦ GFCI duplex receptacle.
- ⑧ Single-pole, single-throw switch.
- ⑨ LED luminaire, enclosed and gasketed with 60 watt equivalent lamp.
- ⑩ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑪ 100 amp*, 2-pole circuit breaker.
- ⑫ Terminal block sized for conductors as shown on plans.



NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE = WHITE
B = BLACK Y = YELLOW G = GREEN
13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "VILLAGE OF ORLAND PARK LIGHTING" UNLESS OTHERWISE SPECIFIED.

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Woodridge, IL 60517
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PLOT DATE	= 4/3/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

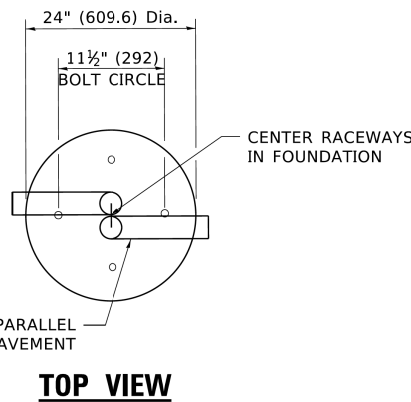
PAD MOUNTED CONTROL DETAIL

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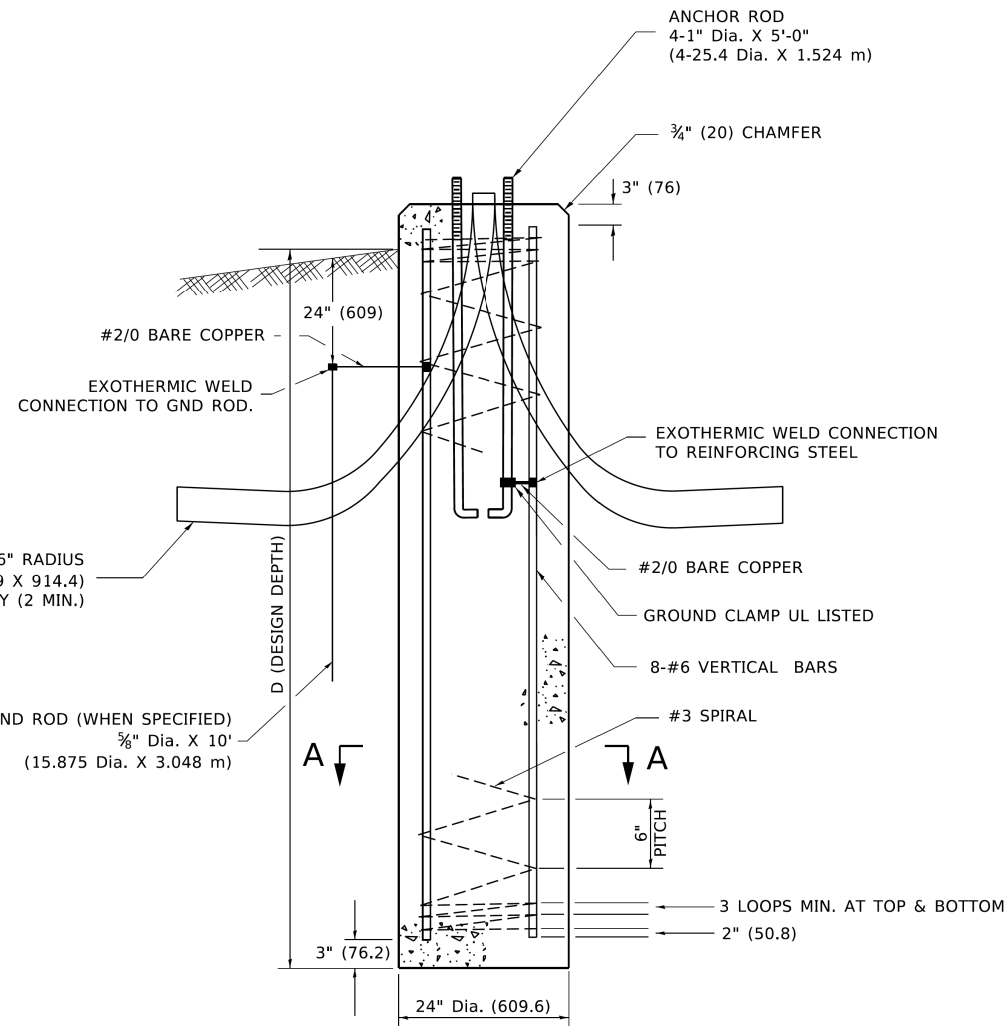
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	77
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

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

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



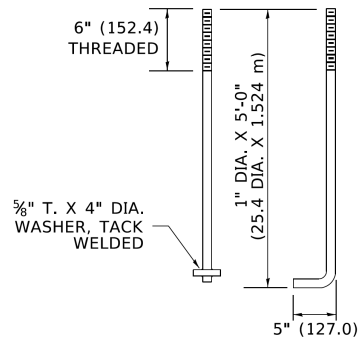
TOP VIEW



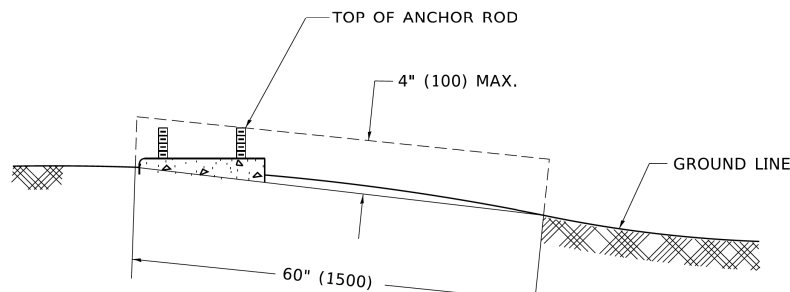
FOUNDATION DETAIL

NOTES

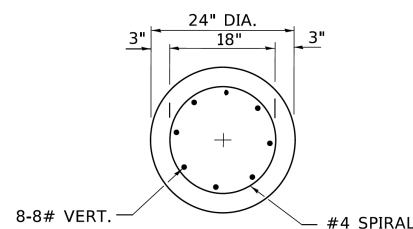
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

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	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	78
BE-300				
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

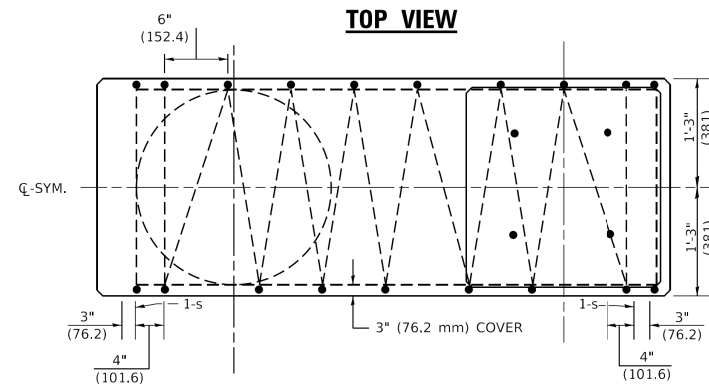
BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s1	3	3	7'-6" (2.286 m)	□
v1	8	6	2'-9" (0.838 m)	—
v2				

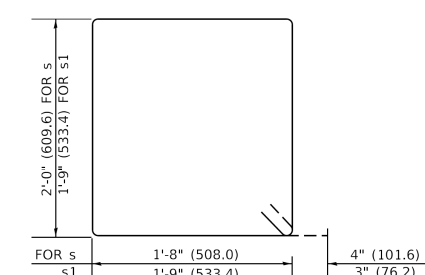
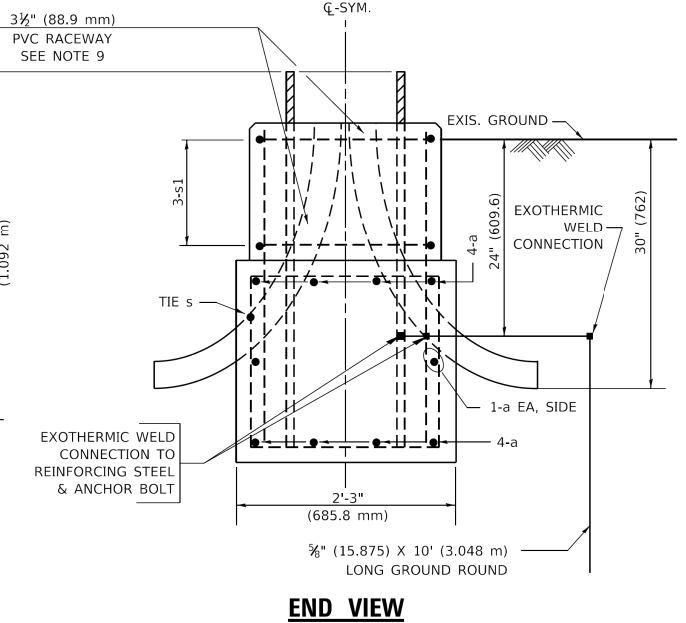
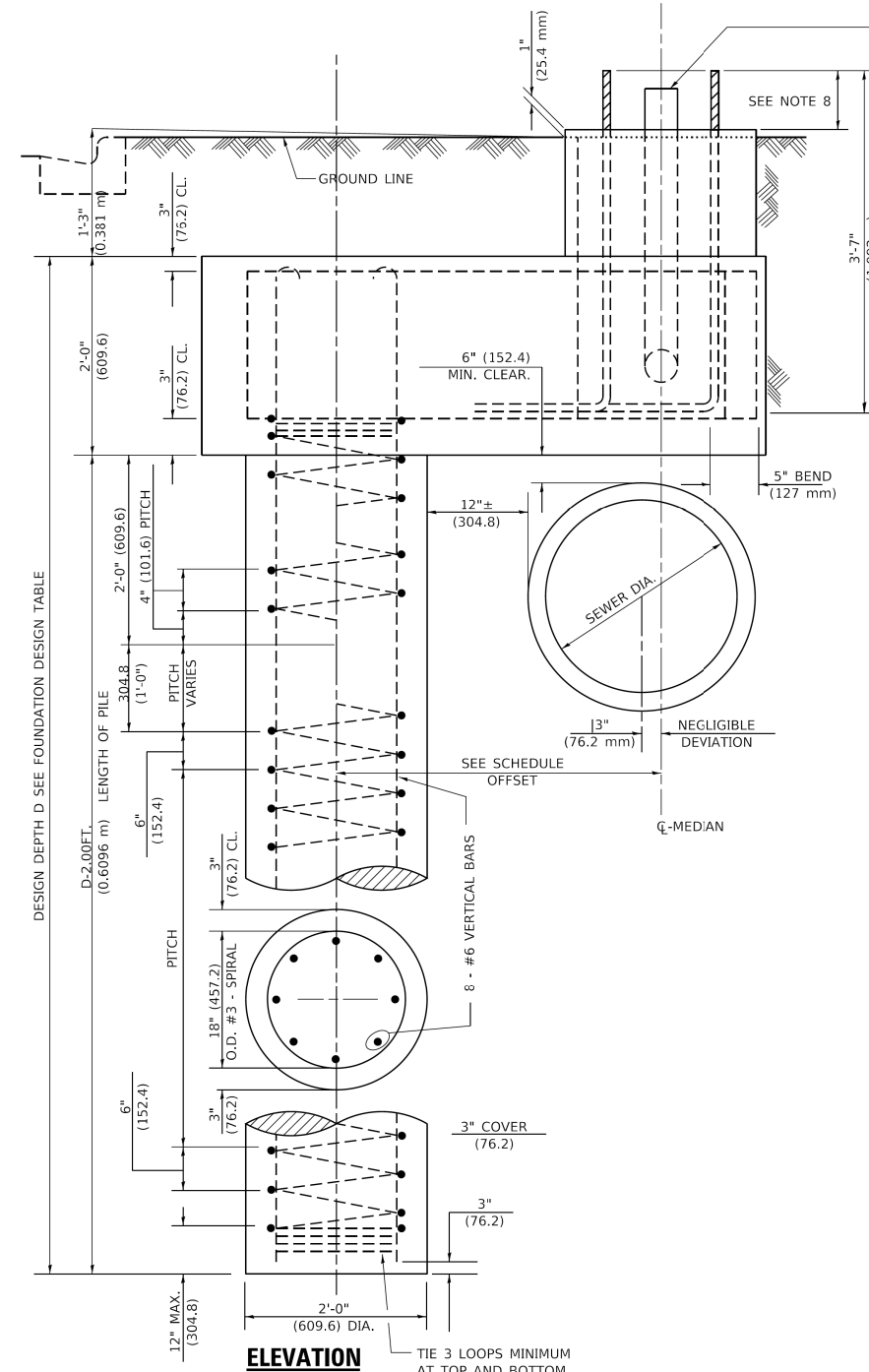
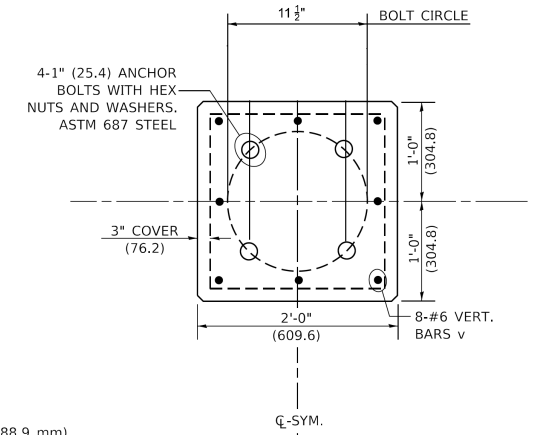
NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

PLAN-CAP BEAM



TOP VIEW



OFFSET LIGHT POLE FOUNDATION

MODEL: Default
FILE NAME: N:\2022\21100\Drawings\Main\CAD - Sheets\21100-eh-lightpole\101.dgn



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7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

USER NAME	cbautista	DESIGNED	-	REVISED	-
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PLOT SCALE	-	DATE	-	REVISED	-
PLOT DATE	4/3/2026				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFFSET LIGHT POLE FOUNDATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	79
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

Evolve®

CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

ERL1 Cobra Head
 LED Roadway Lighting

The Evolve® LED Roadway ERL1 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadway. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life. The ERL1 is available with legacy NEMA/ANSI 7-Pin receptacle and/or Zhaga Book 18 receptacle for easy integration with asset management devices and sensors.

Construction

Housing: Aluminum die cast enclosure casting integral heat sink for maximum heat transfer

Lens: Impact resistant tempered glass
 Visual Comfort Lens available

Paint: Corrosion resistant powder paint, minimum 2.0 mil thickness (RAL & custom colors available)
 Standard - Gray, Black and Dark Bronze
 Optional - Coastal Finish

Weight: 12.4 lb (5.6 kg)

Optical System

Lumens: 2604 - 15,700

Distribution: Type I, III, IV, and Type II Enhanced Backlight

Efficacy (LPW): up to 153

CCT (K): 2700, 3000, 4000

CRI (MIN): >70

Electrical

Input Voltage (V): 120-277 or 347-480

Input Frequency (Hz): 50/60

Power Factor: ≥ 0.9 at rated watts *

Total Harmonic Distortion: ≤ 20% at rated watts

Surge Protection*

STANDARD	OPTIONAL
<input type="checkbox"/> 10kV/5kA	<input type="checkbox"/> Secondary 10kV/5kA (P Option) or Secondary 20kV/10kA (T Option)



Current® **LED.com**

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 Rev 08/2025
 OUP244_ERL1_Rev07_304

Lumen Maintenance

Projected Lxx per IES TM-21-II at 25°C

LUMEN CODES	LXX (L90) @ HOURS			
	25,000 HR	50,000 HR	75,000 HR	100,000 HR
03-07	92	90	88	81
08-10	97	95	94	90
11-13	96	93	92	87
14	96	92	91	85
15	92	88	86	--
16	92	87	85	--

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted industry tolerance apply to initial luminous flux and lumen maintenance measurements.

Ratings

Operating Temp: -40°C to 50°C

Vibration: 3G per ANSI C136.31-2018

LM-79: Testing in accordance with IES Standards

EM: Title 47 CFR Part 15 Class A

RoHS: Complies with the material restrictions of RoHS

Controls

Dimming: Standard 0-10V
 Optional DALI (DALI) (Option U4)

Sensors: Photo Electric Sensors (PE) available
 LightGrip™ Compatible
 Zhaga Book 18 Sensor Compatible

Warranty

5 Year (Standard) 10 Year (Optional)



SPECIFICATION SHEET

Shop Now

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

Designed for versatile outdoor use, this fixture illuminates facades, gardens, lawns, and trees with precise lighting control. It offers 360° rotation and 180° tilt, enabling precise and customizable lighting arrangements. Its optimized heat dissipation ensures reliable, long-term performance and combines durability with flexibility to enhance residential and commercial landscapes.

FEATURES

Construction: Die-Cast Aluminum Housing
Gasket: Silicone Rubber
Lens: Tempered Glass
Voltage: 120VAC (2" Dia.) and 120-277V (3" Dia./4" Dia.)
Ambient Temperature: -4°F-113°F (-20°C-45°C)
Dimming Driver: 120V TRIAC. 277V Not dimmable
CRI: 80+ standard 90+ optional
Life: 50,000
Warranty: 3 Years Carefree for Parts & Components (Labor Not Included)
Listings: cETLus Listed, IP65 Wet Rated



ORDERING INFORMATION Example: 9165-SM-4-27K-WH-15-JB-9-AS

Model	Size	Wattage	Color Temp	Finish	Beam Angle	Mounting	CRI	Options
9165	2" Dia.	4	27K	WH	15°	TS	8 Standard	AS
		4	2700K	White	15° Spot	24" Tree Strap	80+	Angled Shroud
3	3" Dia.	15	40K	SL	25°	JB	9	HL
		8	3000K	Silver	25° Narrow Flood	Junction Box	90+	Honeycomb Louver
4	4" Dia.	20	5000K	BK	35°	RC	9	MG
		30	5000K	Bronze	35° Medium Flood	4.5" Round Cover	90+	Marine Grade
4	4" Dia.	40	5000K	GR	40°	GS	9	
		40	5000K	Gray	40° Flood	Ground Stake	90+	
4	4" Dia.	40	5000K	GR	50°	PC	9	
		40	5000K	Gray	50° Wide Flood	Pole Clamp	90+	

1 Not available for Large size.
 2 Only available for Large size.

FXLuminaire

Line-Voltage Up Lights

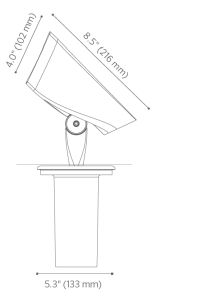


PROJECT _____
 CATALOG # _____
 TYPE _____
 NOTES _____

A-CT4 Up Light LINE-VOLTAGE

The elegant and versatile A-CT4 up light is especially useful for highlighting facades, signage, and other architectural accent features.

- Quick Facts**
- Die-cast aluminum
 - Two-layer marine-grade anodization and powder coat finish
 - Xicato® LED module
 - Full adjustability
 - Dimming: Phase or 0-10V
 - Input voltage: 110-277V
 - IP65



LANDSCAPE & ARCHITECTURAL LIGHTING



VLO 12V LED Large Accent

One light, three lumen levels.

Our VLO Accent fixture is equipped with the Lumen Effects System, which allows you to easily switch between three lumen outputs: 400, 600, or 835, with the use of the Magnetic Key. Its field configurable design allows for customization based on the needs of the application.

Variable Lumen Output (VLO) Adjustment	Lumens
Level 1* Flashes one time	400 lm
Level 2 Flashes two times	600 lm
Level 3 Flashes three times	835 lm

*Factory setting

VLO 12V LED Accent with Lumen Effects System makes designing and modifying landscape lighting easier.

- Lumen Effects System** eliminates the need to mechanically adjust or open the fixture, supporting product longevity.
- Flexible Lumen Levels** allows you to set and adjust the lumen levels as the landscape needs change.
- Sealed and fully encapsulated** to safeguard from water ingress and the outdoor elements – helping to extend the life of the product.
- Versatile IP66** rated design provides a dust and water tight housing that can protect against strong jets of water that can occur in coastal areas with strong storms or applications close to sprinklers.
- 6,000-volt system surge protection** protects against power surges and irregularities when paired with one of our transformers.



MODEL: Default FILE NAME: N:\2025\2311003\Drawings\Misc\CADD_Sheets\2311003-shd\luminaires\01_1.dgn

V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 630 724 9200 phone
 www.v3co.com

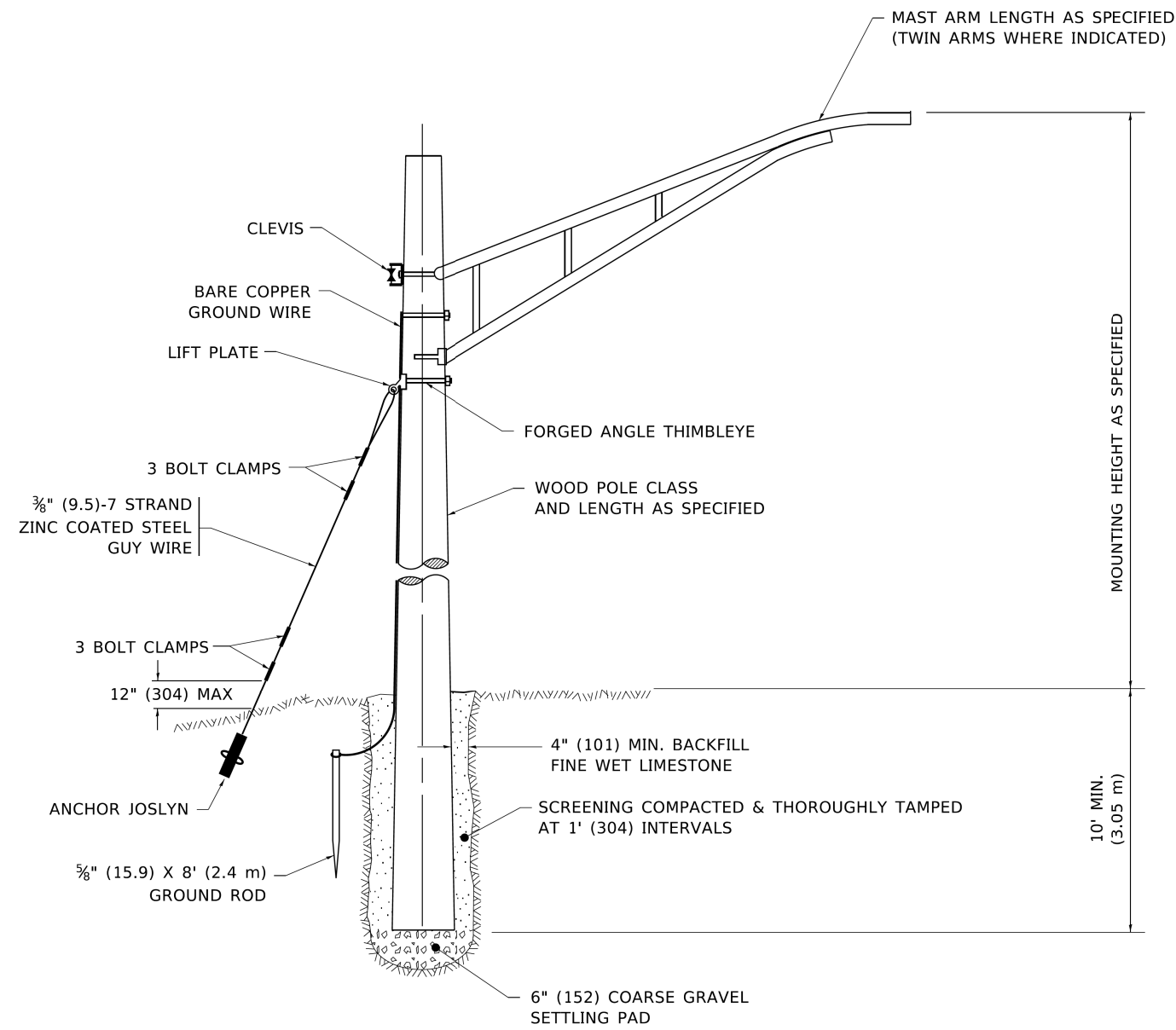
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT FIXTURES CUT SHEETS

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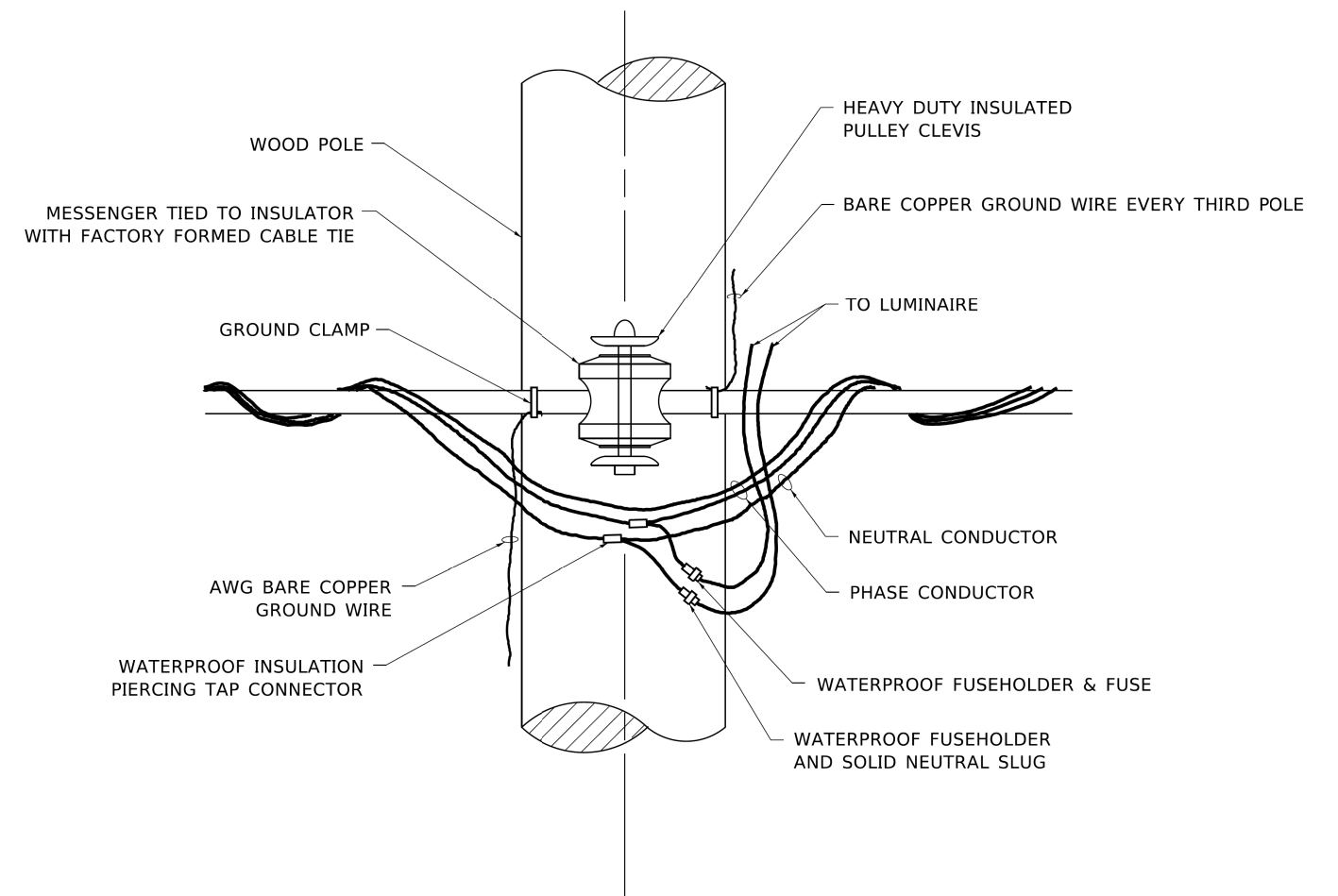
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1709	21-00088-00-CH	COOK	99	80
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

MODEL: Default
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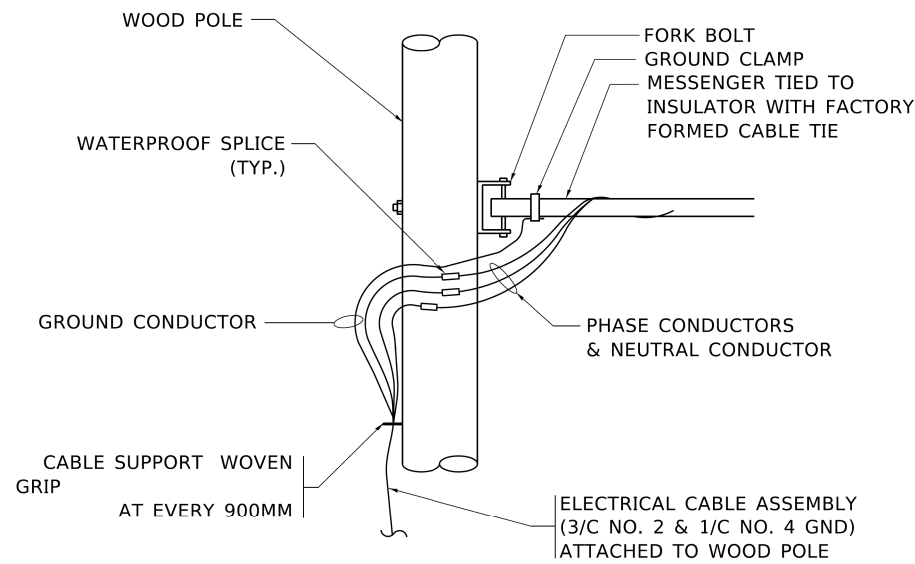
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

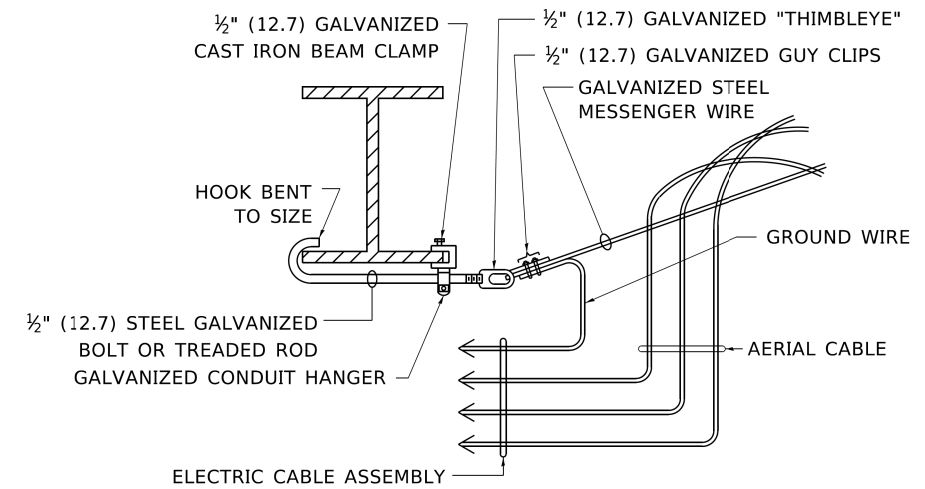
TEMPORARY LIGHT POLE DETAILS

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

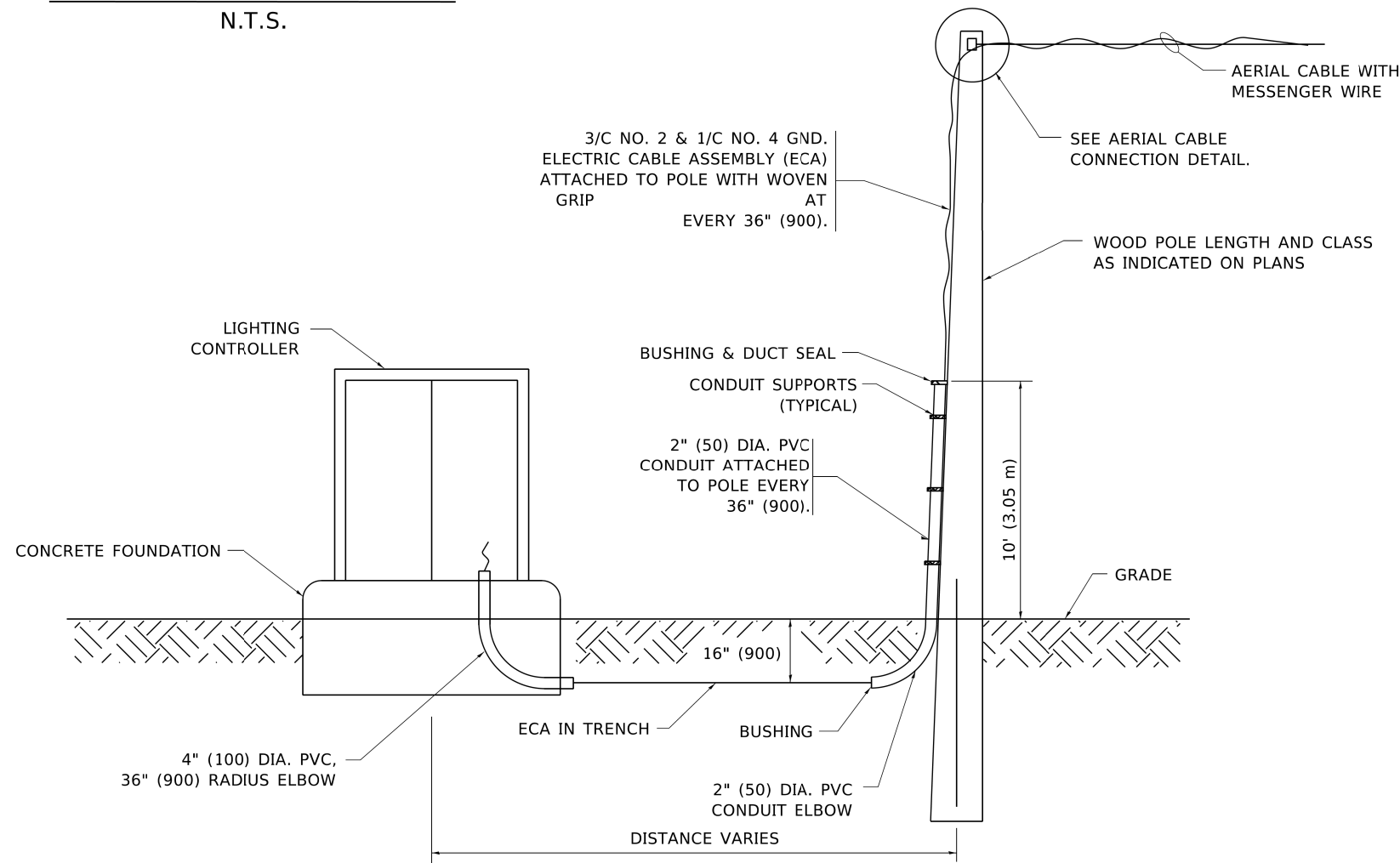
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1709	21-00088-00-CH	COOK	99	82
BE-800		CONTRACT NO. 61M50		
ILLINOIS FED. AID PROJECT				



AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

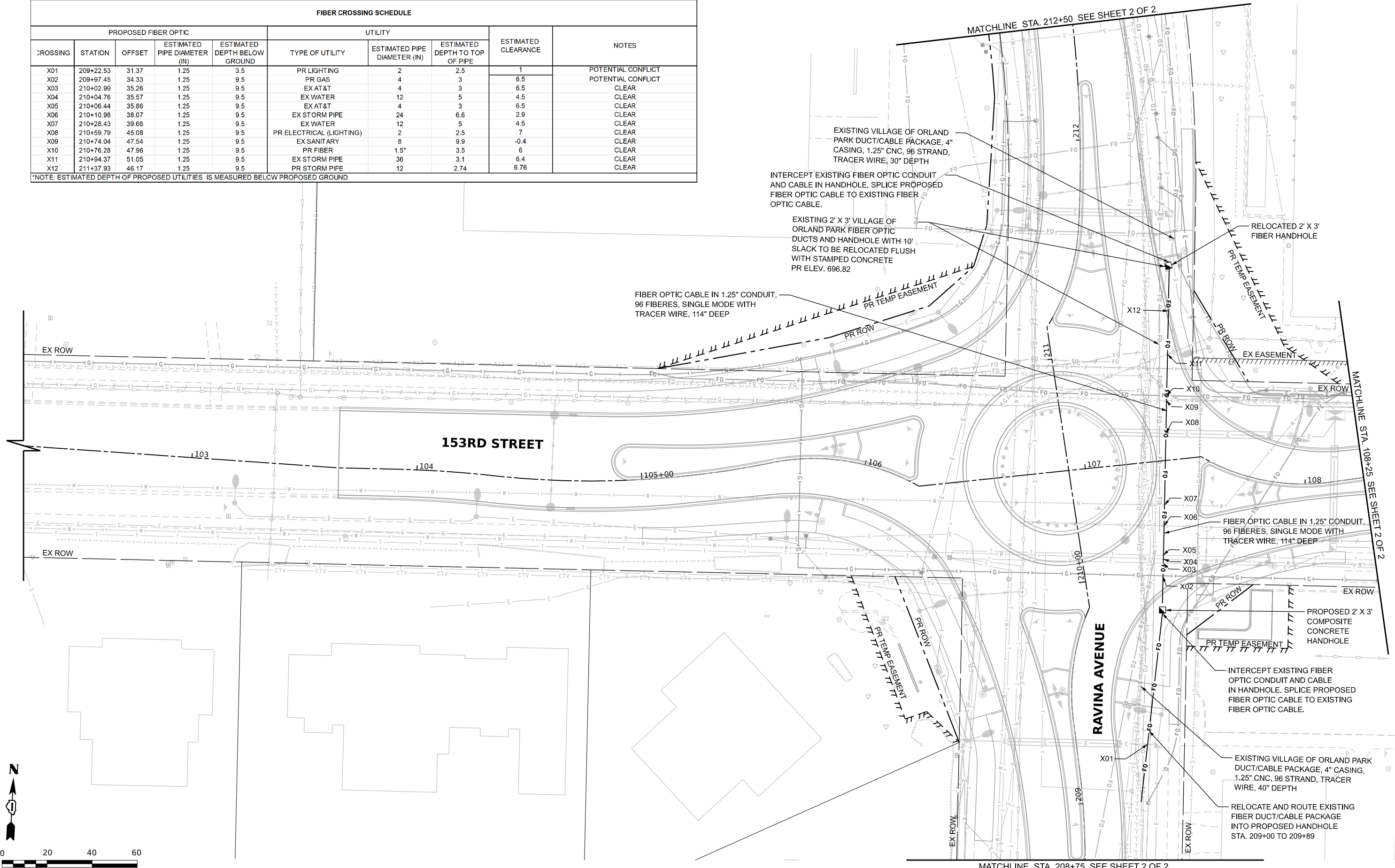
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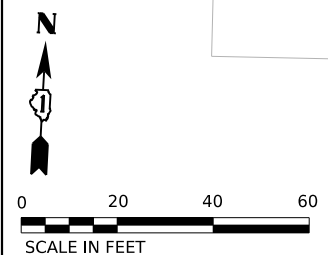
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1709	21-00088-00-CH	COOK	99	83
BE-801		CONTRACT NO. 61M50		
ILLINOIS FED. AID PROJECT				

FIBER CROSSING SCHEDULE									
PROPOSED FIBER OPTIC					UTILITY			ESTIMATED CLEARANCE	NOTES
CROSSING	STATION	OFFSET	ESTIMATED PIPE DIAMETER (IN)	ESTIMATED DEPTH BELOW GROUND	TYPE OF UTILITY	ESTIMATED PIPE DIAMETER (IN)	ESTIMATED DEPTH TO TOP OF PIPE		
X01	209+22.53	31.37	1.25	3.5	PR LIGHTING	2	2.5	1	POTENTIAL CONFLICT
X02	209+97.45	34.33	1.25	9.5	PR GAS	4	3	6.5	POTENTIAL CONFLICT
X03	210+02.99	35.26	1.25	9.5	EX AT&T	4	3	6.5	CLEAR
X04	210+04.76	35.57	1.25	9.5	EX WATER	12	5	4.5	CLEAR
X05	210+06.44	35.86	1.25	9.5	EX AT&T	4	3	6.5	CLEAR
X06	210+10.98	38.07	1.25	9.5	EX STORM PIPE	24	6.6	2.9	CLEAR
X07	210+28.43	39.66	1.25	9.5	EX WATER	12	5	4.5	CLEAR
X08	210+59.79	45.08	1.25	9.5	PR ELECTRICAL (LIGHTING)	2	2.5	7	CLEAR
X09	210+74.04	47.54	1.25	9.5	EX SANITARY	8	9.9	-0.4	CLEAR
X10	210+76.28	47.96	1.25	9.5	PR FIBER	1.5"	3.5	6	CLEAR
X11	210+94.37	51.05	1.25	9.5	EX STORM PIPE	36	3.1	6.4	CLEAR
X12	211+37.93	46.17	1.25	9.5	PR STORM PIPE	12	2.74	6.76	CLEAR

*NOTE: ESTIMATED DEPTH OF PROPOSED UTILITIES IS MEASURED BELOW PROPOSED GROUND.



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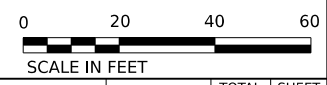
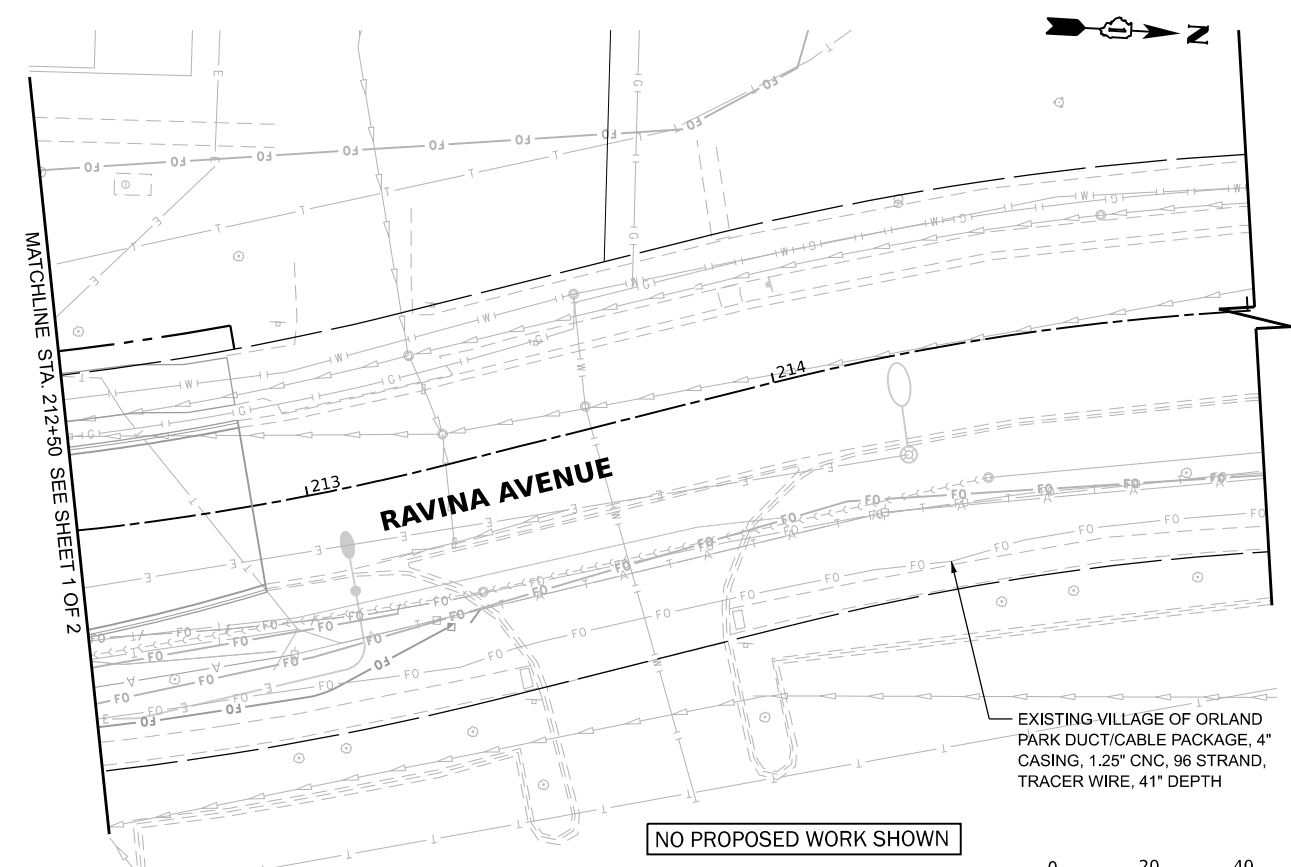
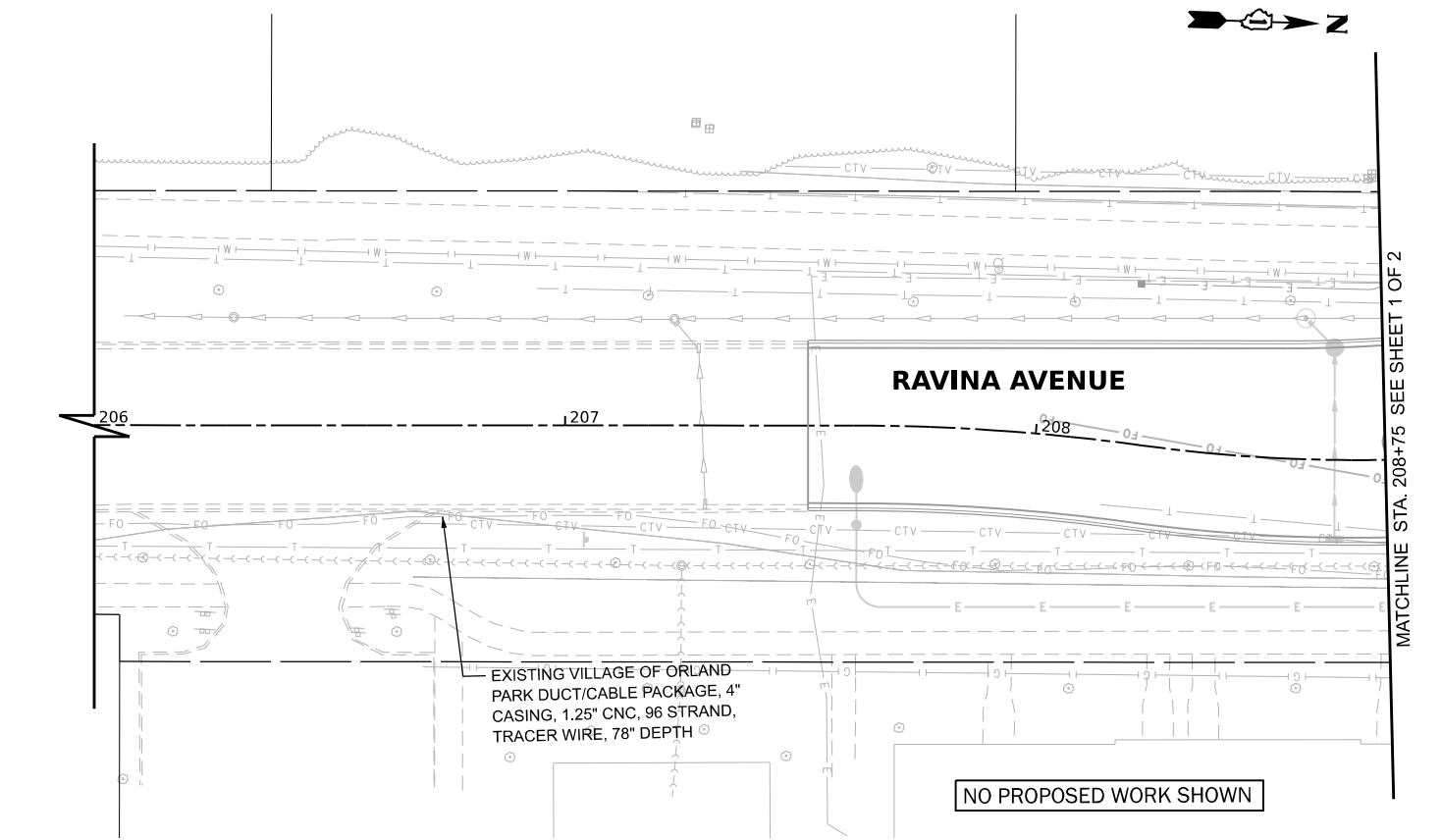
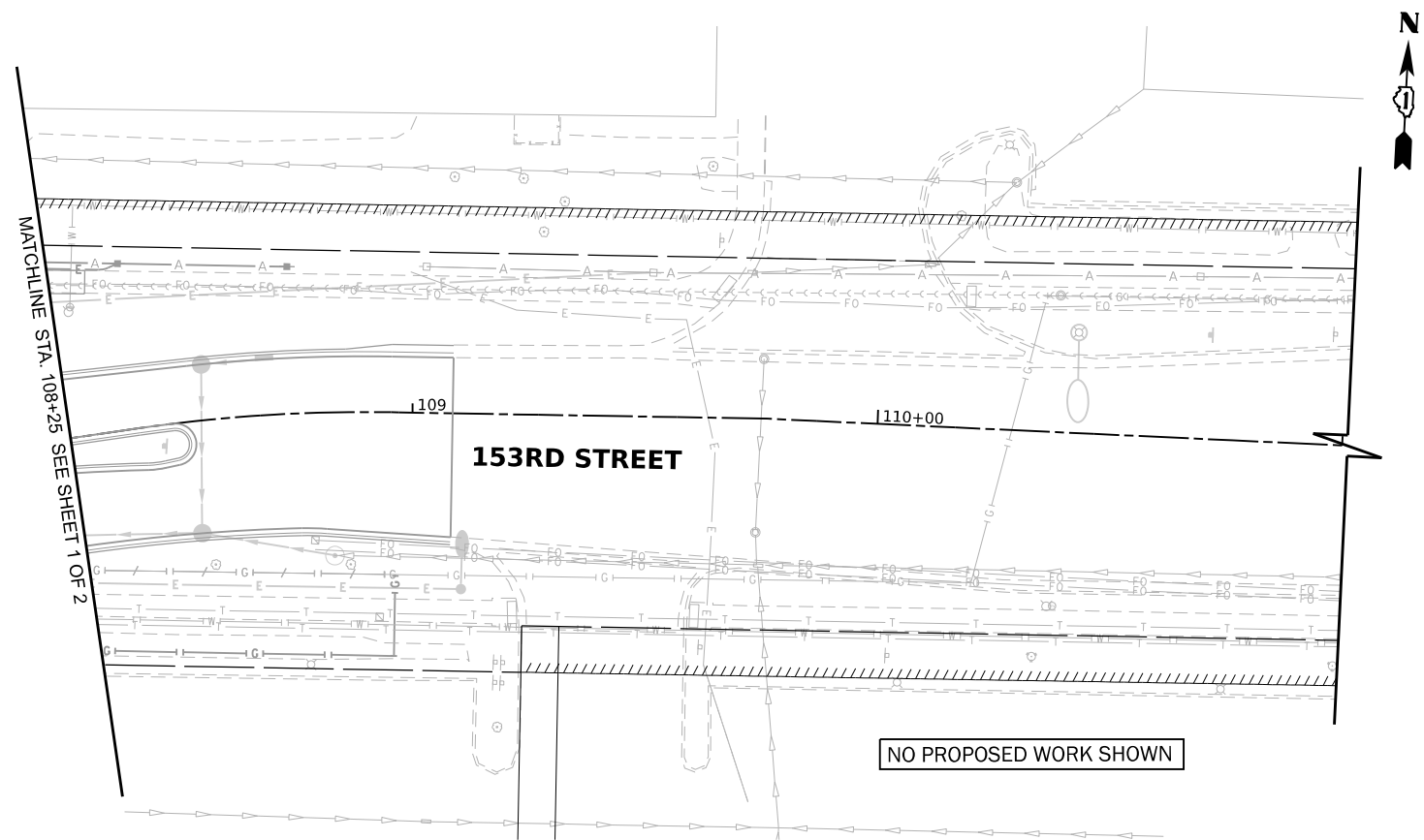
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PLOT DATE	4/3/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VILLAGE FIBER RELOCATION PLAN
SCALE: 1"=20"
SHEET 1 OF 2 SHEETS
STA. 102+25.00 TO STA. 108+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	84
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



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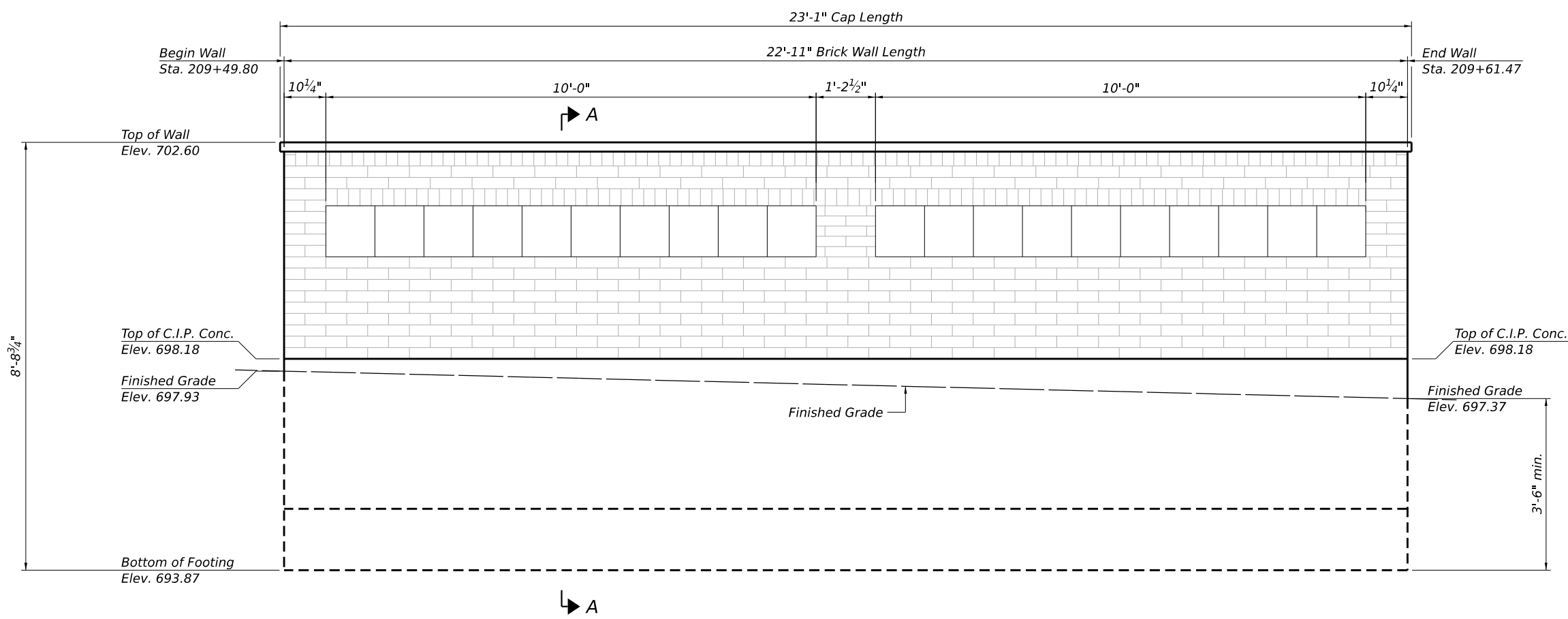


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DRAWN	-	REVISIONS	-	REVISIONS	-
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PLOT DATE	4/3/2026	DATE	-	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20"	SHEET 2 OF 2 SHEETS	STA. 108+25.00 TO 206+00.00	TO STA. 111+00.00 TO 215+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	85
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Looking West)

NOTES

1. Stationing and offsets are measured along the proposed Ravinia Avenue alignment.
2. See sheet 3 of 3 for Section A-A.

CONSTRUCTION SPECIFICATIONS
Illinois Department of Transportation Supplemental Specifications and Recurring Special Provisions
Adopted January 1, 2026

Illinois Department of Transportation Standard Specifications for Road and Bridge Construction
Adopted January 1, 2022

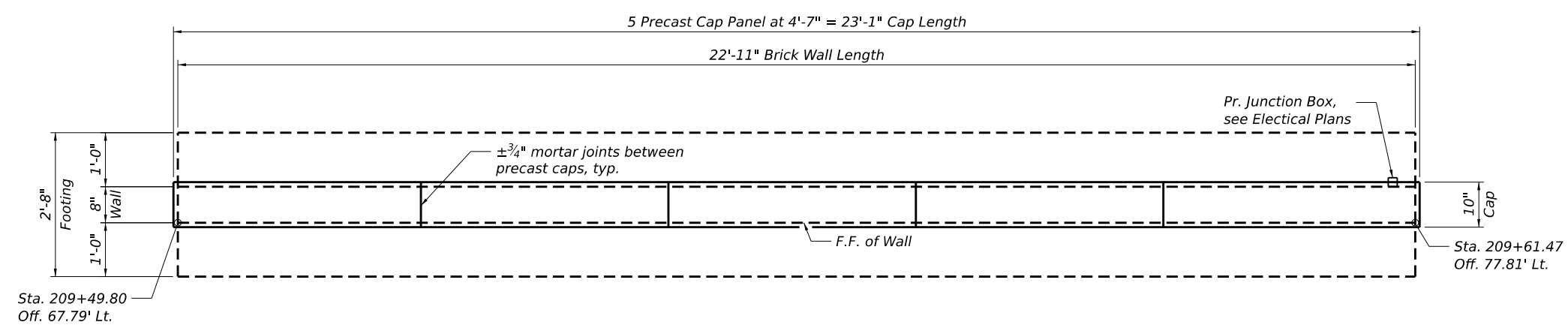
DESIGN SPECIFICATIONS
2024 AASHTO LRFD Bridge Design Specifications, 10th Edition

DESIGN STRESSES

FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)

LEGEND

- B.F. = Back Face
- C.I.P. = Cast-in-place
- cts. = Centers
- cl. = clear
- Conc. = Concrete
- Elev. = Elevation
- F.F. = Front Face
- max. = Maximum
- min. = Minimum
- Off. = Offset
- Pr. = Proposed
- Sta. = Station



PLAN

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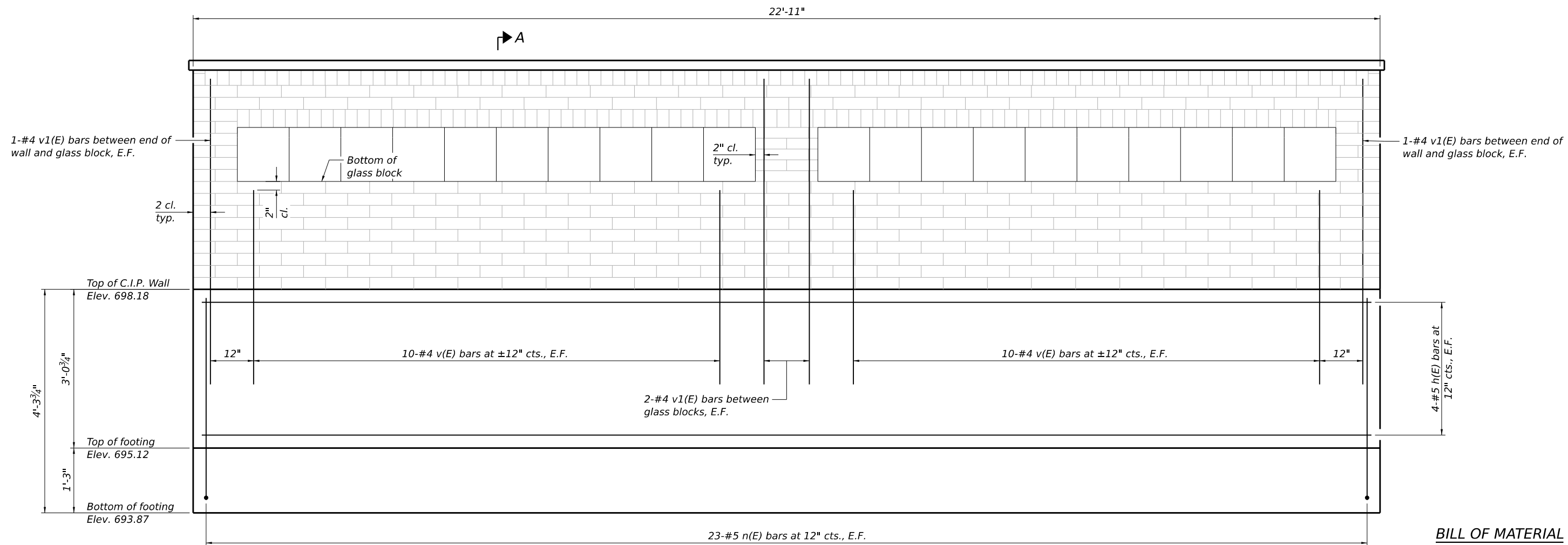
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN AND ELEVATION

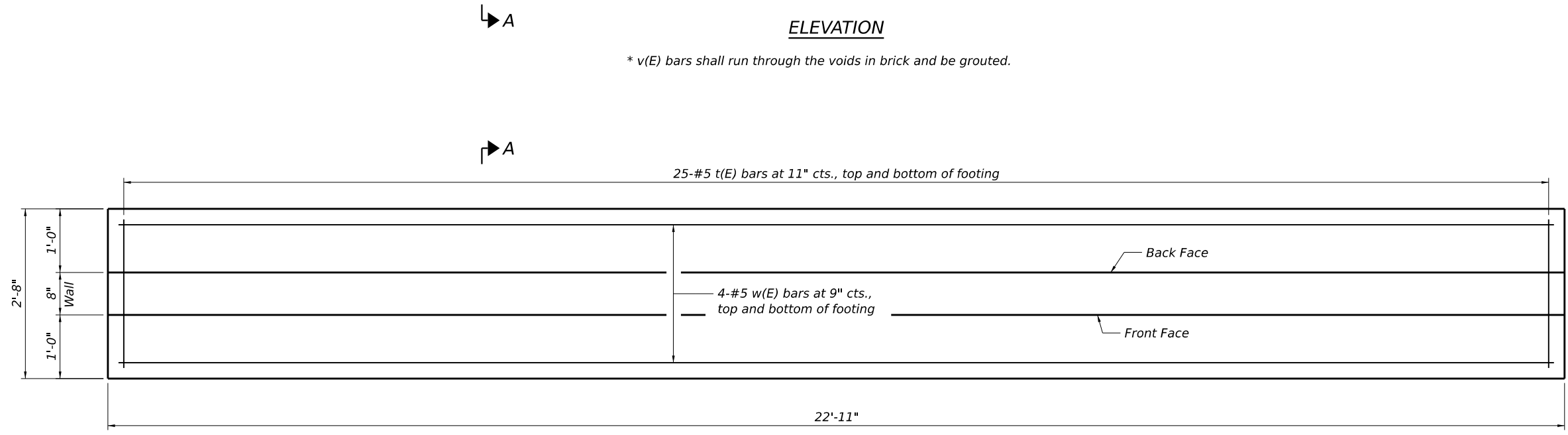
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1709	21-00088-00-CH	COOK	99	86
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				



ELEVATION

* v(E) bars shall run through the voids in brick and be grouted.



FOOTING PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	8	#5	22'-8"	—
n(E)	46	#5	4'-11"	┌
t(E)	50	#5	2'-4"	—
v(E)	40	#4	3'-9"	—
v(E)	12	#4	5'-10"	—
w(E)	8	#5	22'-8"	—

Notes:
See sheet 3 of 3 for Section A-A and n(E) bar diagram.

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PLOT DATE	4/3/2026	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WALL DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	87
CONTRACT NO. 61M50				
ILLINOIS FED. AID PROJECT				

STRUCTURAL NOTES

All cast in place concrete work and reinforcement work shall be in accordance with Section 503 and 508 of the IDOT Standard Specifications for Road and Bridge Construction, January 1, 2022 and Supplemental Specifications and Recurring Special Provisions except as modified by the contract plans or contract specifications. In the event of a discrepancy the contract plans or contract specifications shall govern.

All footings shall be poured on undisturbed soil with a minimum allowable bearing capacity of 2000 psf. At the Contractor's expense, the bearing capacity shall be verified by a soils technician under direction of an Illinois Licensed Professional Geotechnical Engineer. If the bearing capacity values are not encountered at the bottom of footing elevation the Contractor shall conduct soil improvements per Illinois Licensed Professional Geotechnical Engineer recommendations.

Construction activities shall not exceed the assumed surcharge of 250 psf.

The Contractor shall protect the public, traffic, existing utilities, existing structures and abutting property during the construction. Failure to do so will not relieve the Contractor from the expense of the repair and/or the replacement of these items.

Material type, finishes and patterns of Brick, Glass Block and Precast Cap shall match existing wall.

The Contractor shall coordinate with Precast Cap manufacturer for the connection details to secure Precast Cap to the top of brick wall.

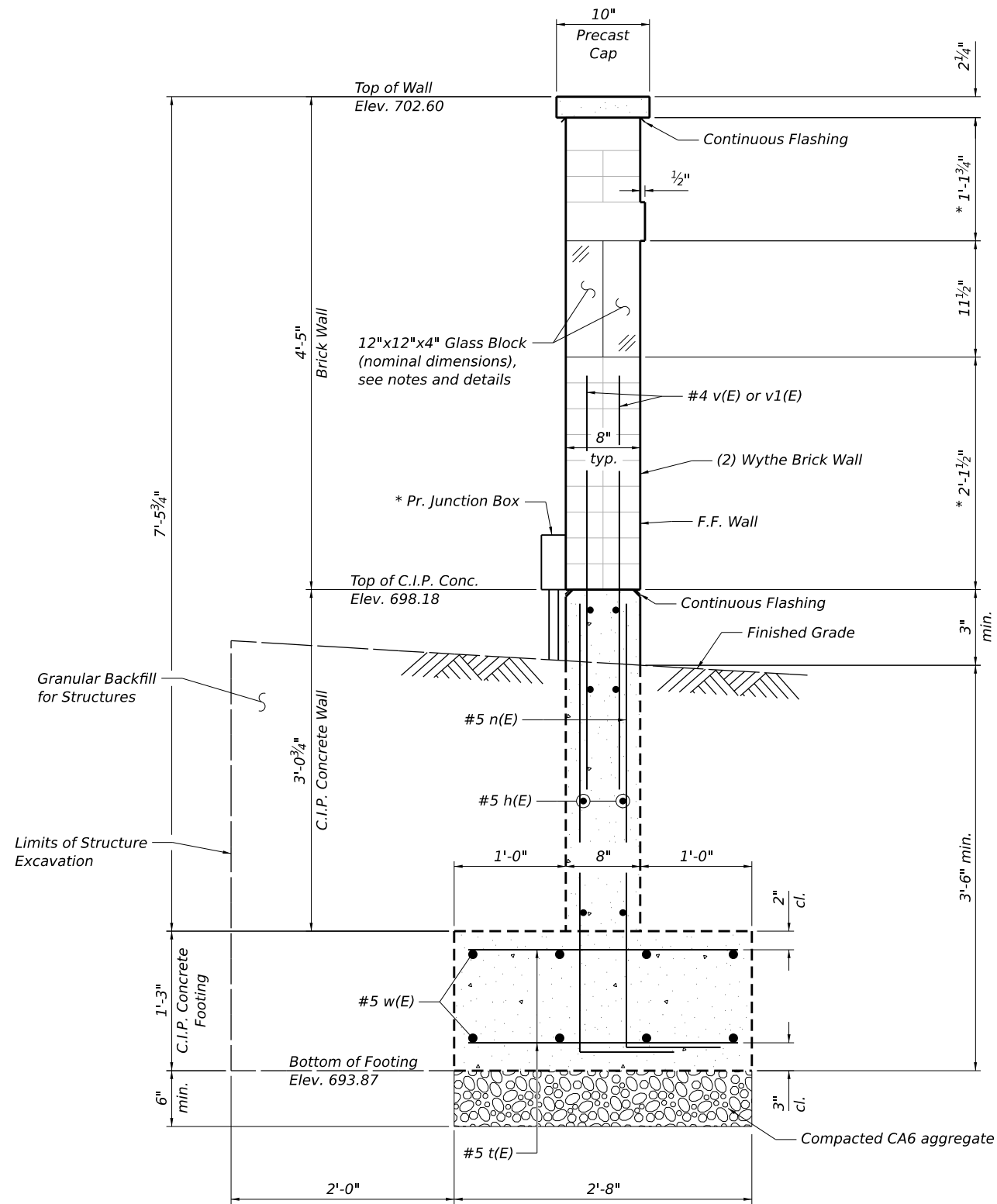
The Contractor shall be responsible for obtaining all necessary permits.

See Civil Plans for proposed brick wall locations, grading, and additional details.

See Brick Wall special provision for additional information.

Provide masonry Header Bricks extending across both wythes. Quantity of headers shall either be 10% of the brick walls surface or match the existing quantity of headers in the existing wall, whichever is a greater percentage of the brick walls surface.

* dimensions include mortar between bricks which shall be $\pm 3/4"$ thick.

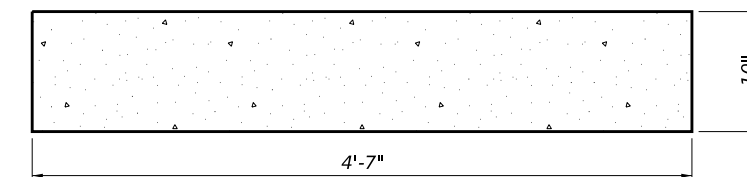


SECTION A-A

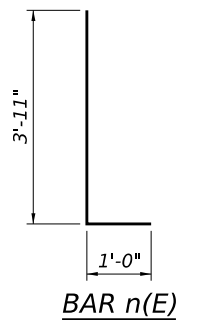
* Junction Box shall be attached to the brick at the north end of wall just above the cast-in-place concrete foundation. See Street Lighting Plan sheets for details.

MINIMUM BAR LAP

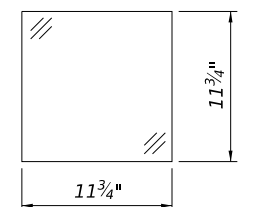
#4 bar = 1'-8"



PRECAST CAP



BAR n(E)



GLASS BLOCK DETAIL
(Nominal Dimensions: 12"x12"x4")

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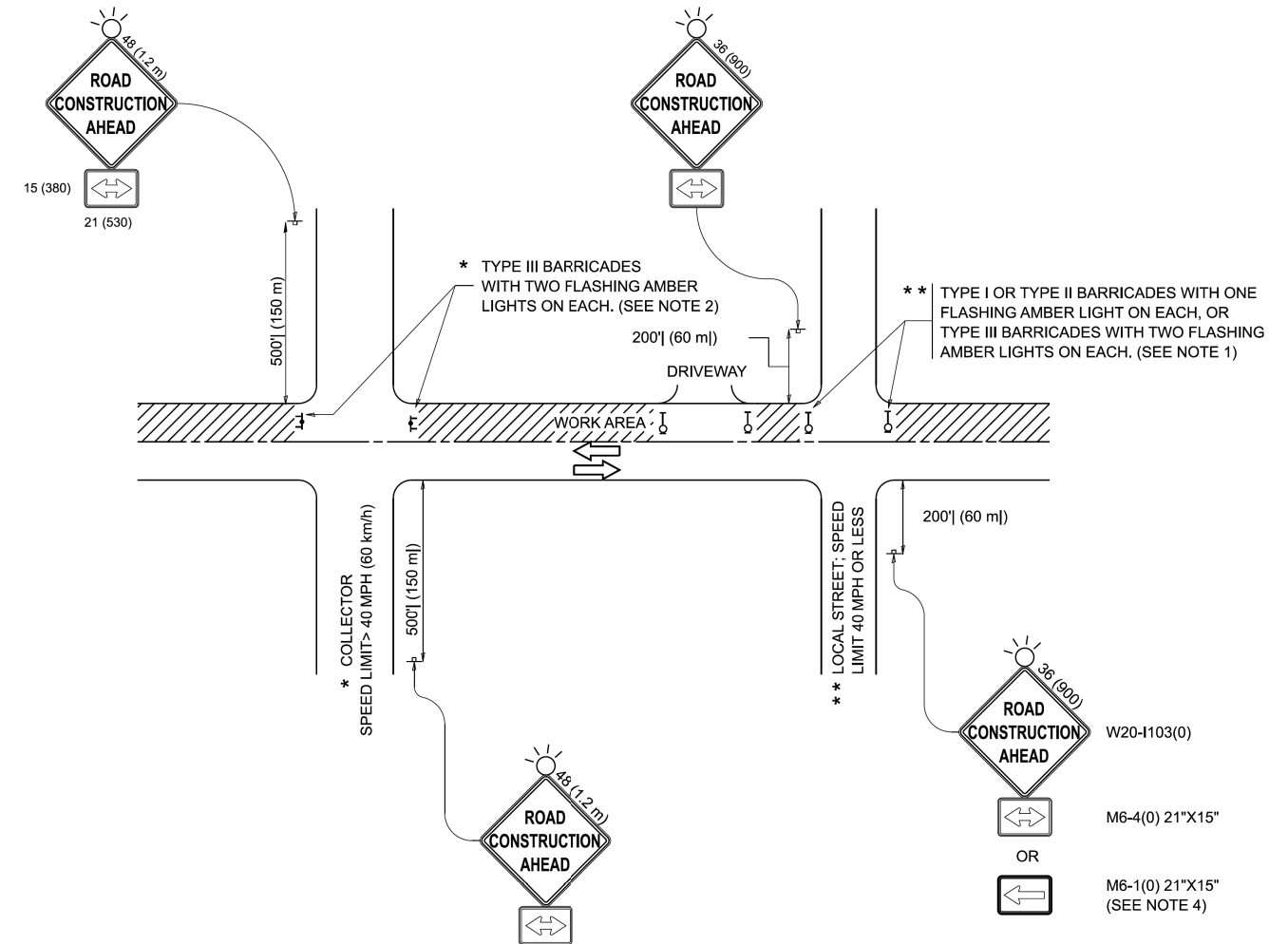
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

USER NAME	cbautista	DESIGNED	-	REVISED	-
PLOT SCALE		DRAWN	-	REVISED	-
PLOT DATE	4/3/2026	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET 3 OF 3 SHEETS		STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	88
CONTRACT NO. 61M50				
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 SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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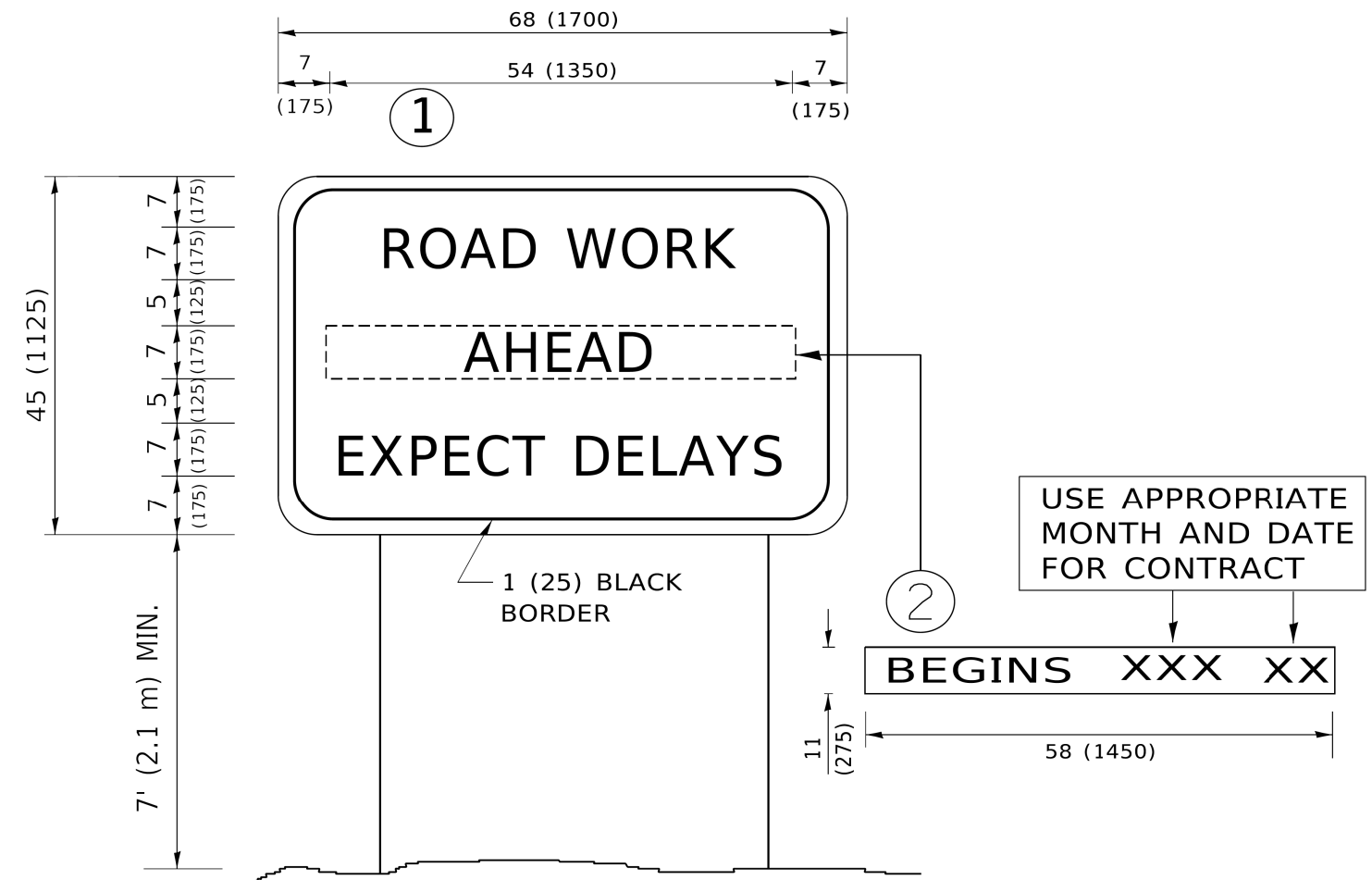
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PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	90
TC-10			CONTRACT NO. 61M50	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1709	21-00088-00-CH	COOK	99	93
TC-22			CONTRACT NO. 61M50	
ILLINOIS FED. AID PROJECT				



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REVISIONS: -

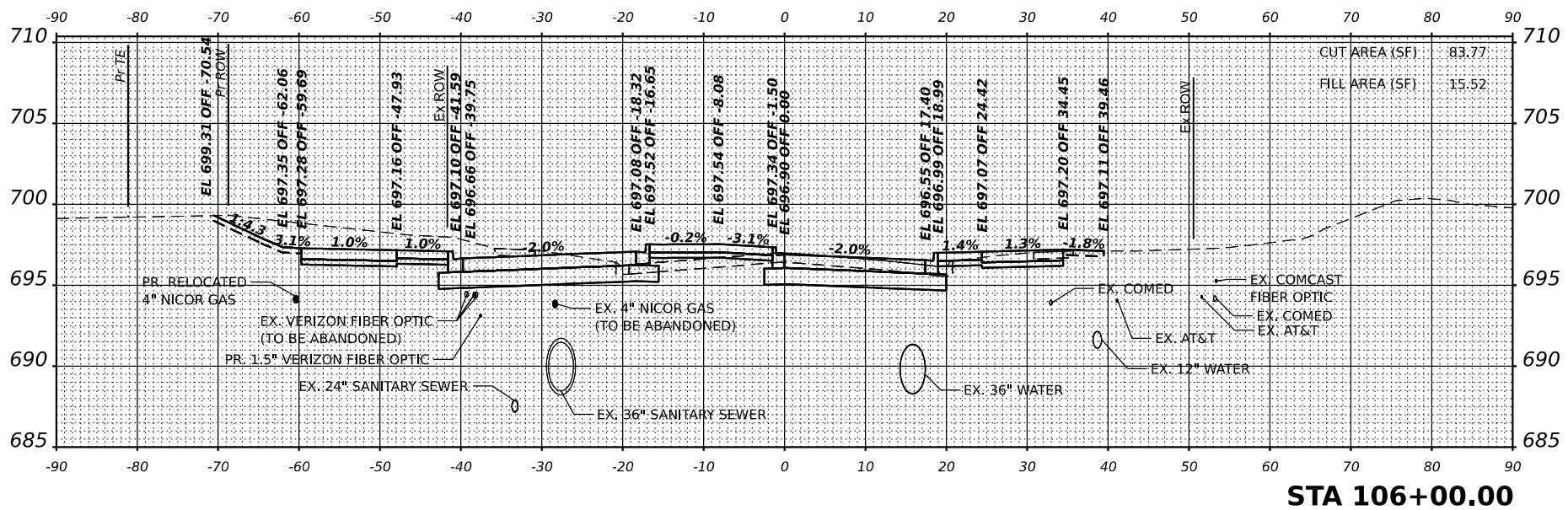
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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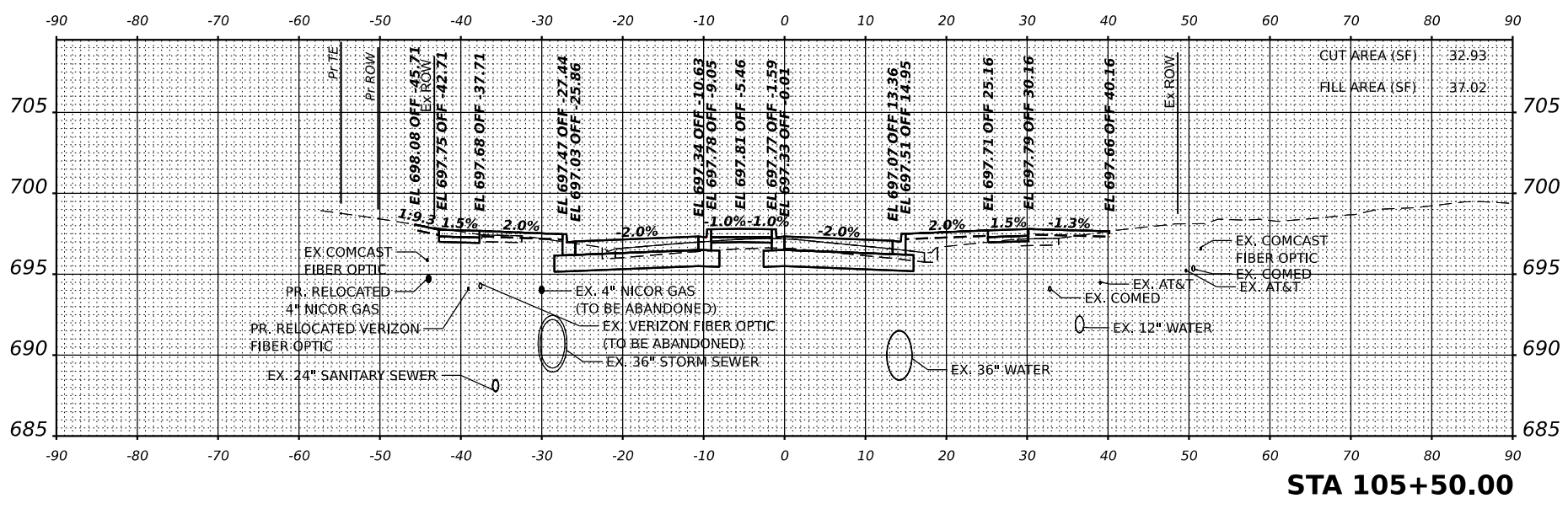
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 WEST APPROACH

SHEET 1 OF 2 SHEETS STA. 104+00.00 TO STA. 106+00.00

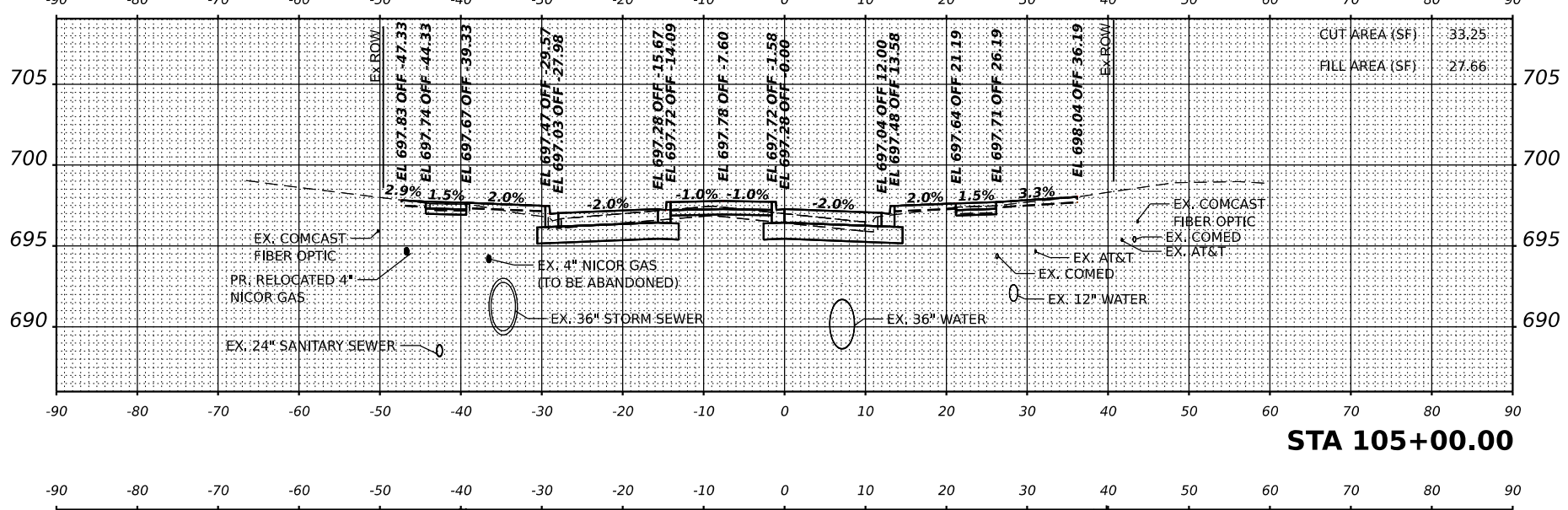
EAU. RTEL. 1709	SECTION 21-0008B-00-CH	COUNTY COOK	TOTAL SHEETS 99
		CONTRACT NO. 61M50	SHEET NO. 96
		ILLINOIS FED. AID PROJECT	



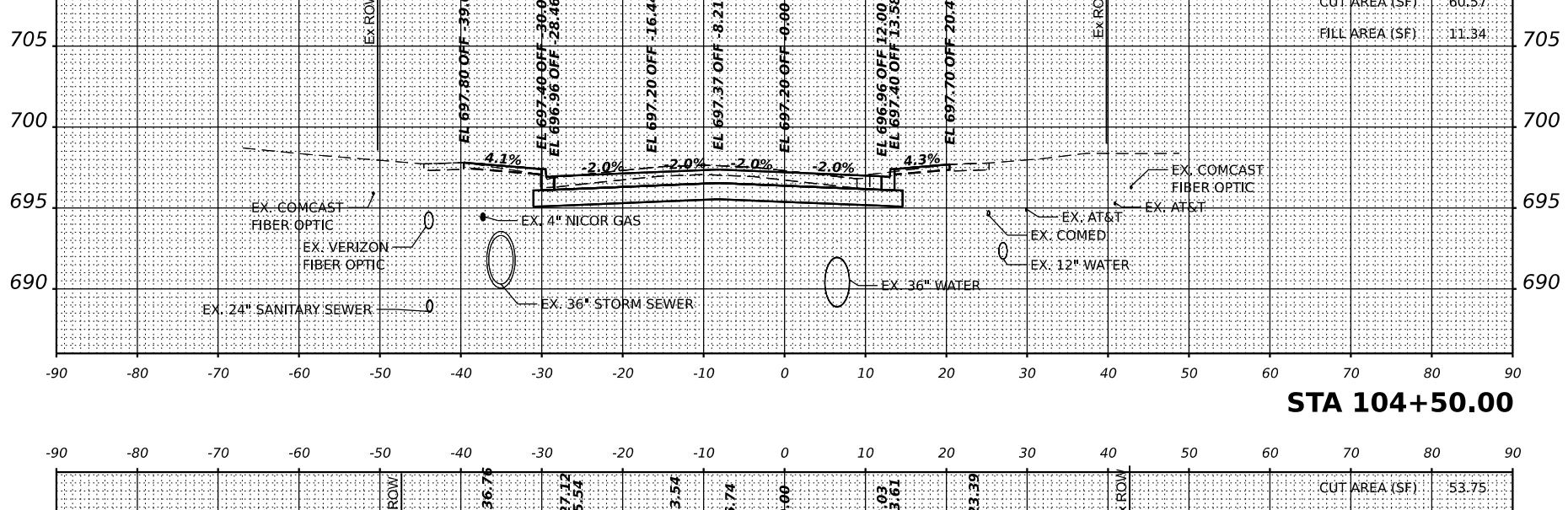
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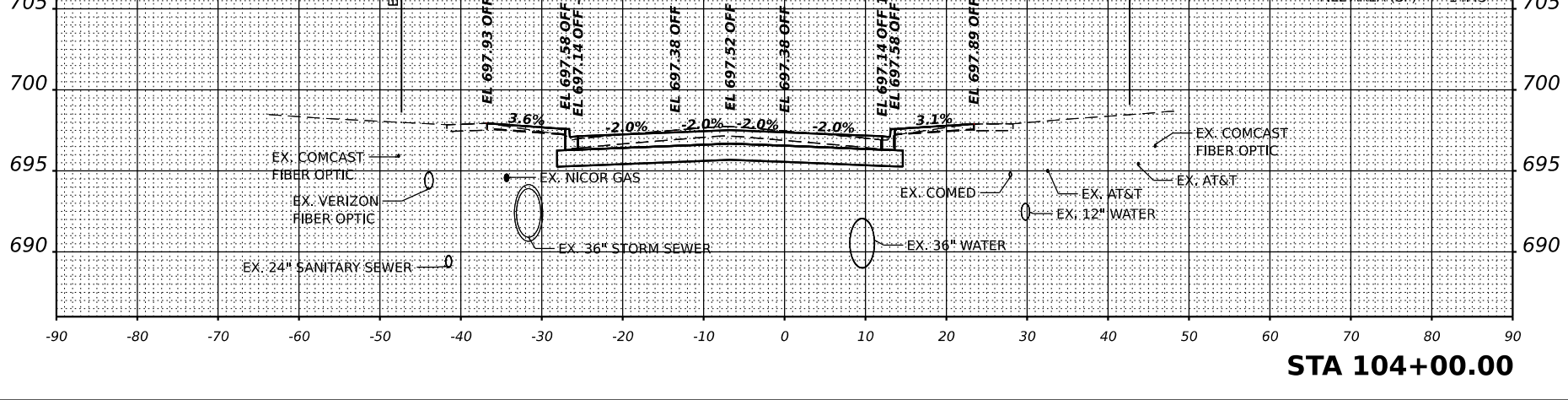
STA 105+50.00



STA 105+00.00



STA 104+50.00



STA 104+00.00



V3 Companies
 7325 James Avenue
 Woodridge, IL 60517
 630.724.8200 phone
 www.v3co.com

USER NAME: chandra
 DRAWN: -
 CHECKED: -
 DATE: -

DESIGNED: -
 DRAWN: -
 CHECKED: -
 DATE: -

REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'

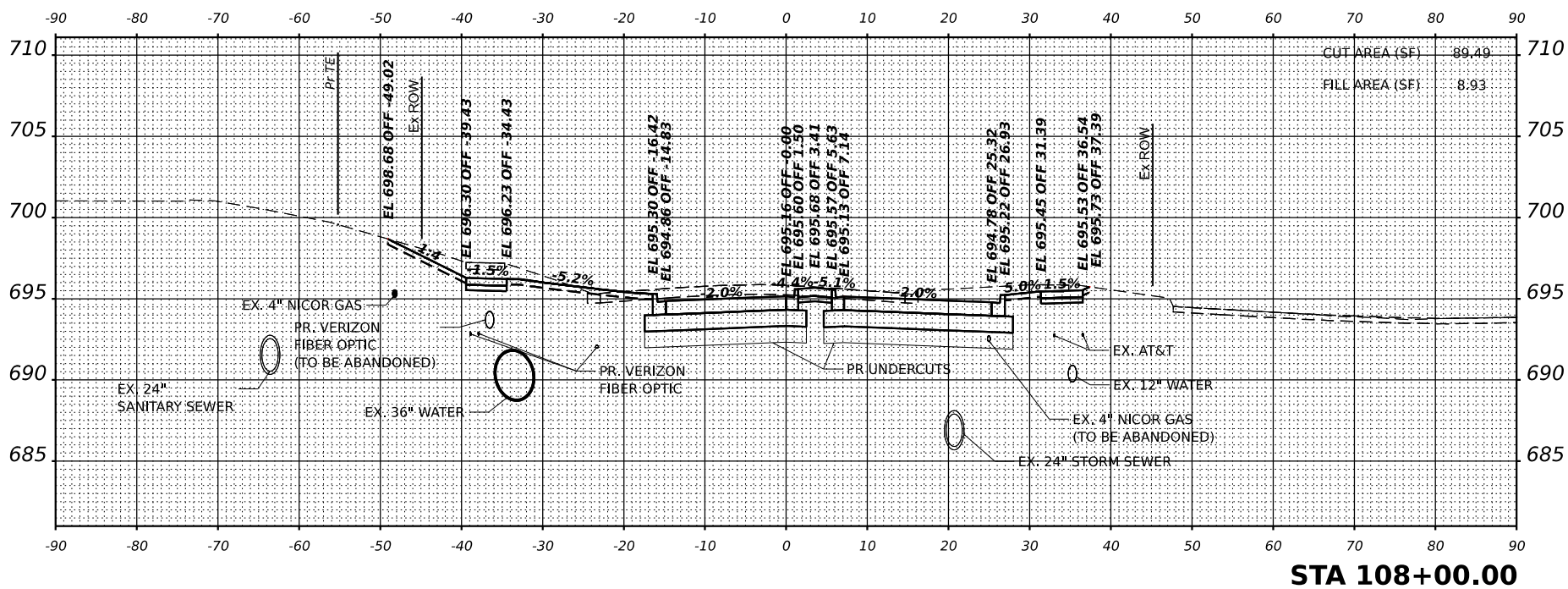
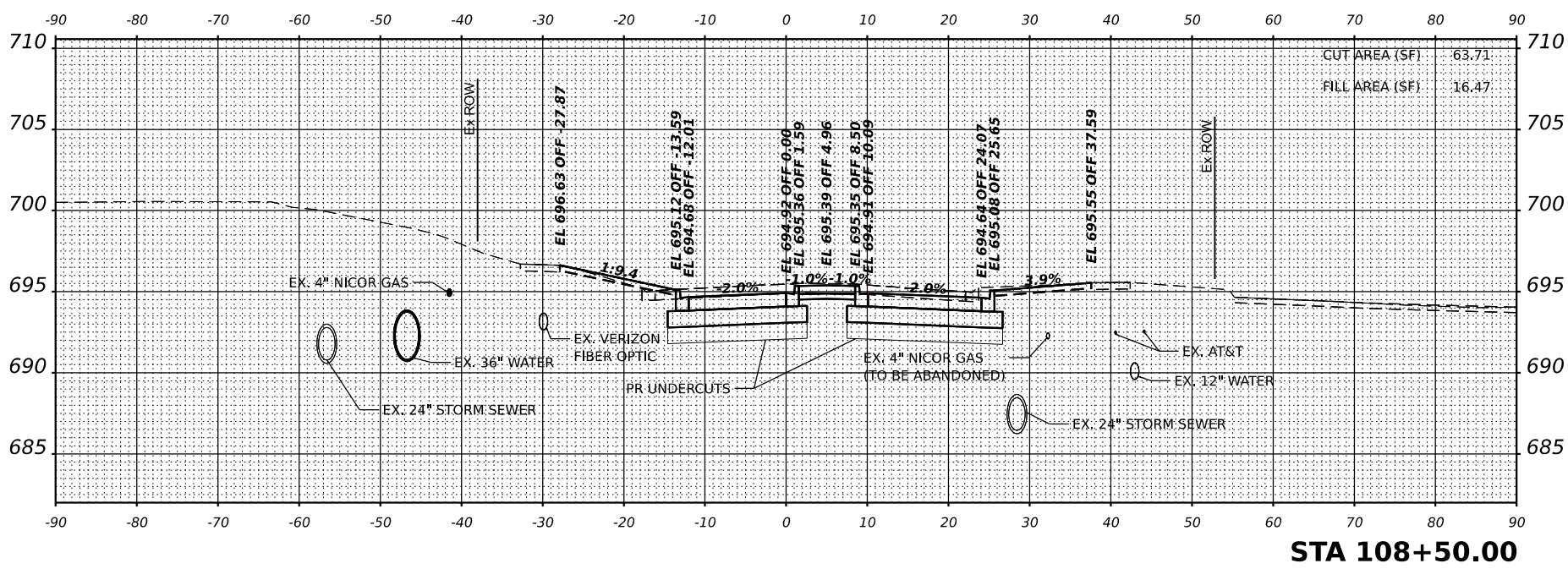
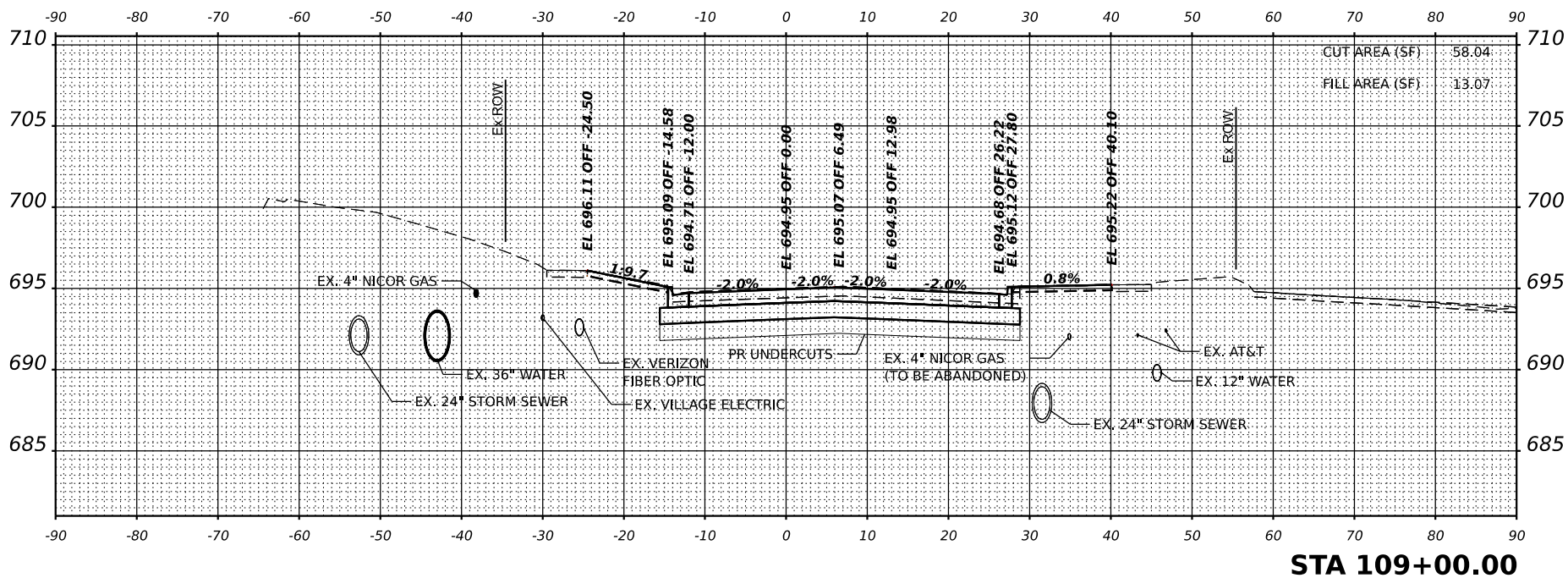
153RD STREET CROSS SECTIONS
 EAST APPROACH
 SHEET 2 OF 2 SHEETS STA. 108+00.00 TO STA. 109+00.00

EAU. RITE. 1709

SECTION 21-0008B-00-CH

COUNTY COOK

TOTAL SHEET NO. 99
 SHEETS NO. 96
 CONTRACT NO. 61M50
 ILLINOIS FED. AID PROJECT





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DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISIONS
 REVISED -
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 REVISED -

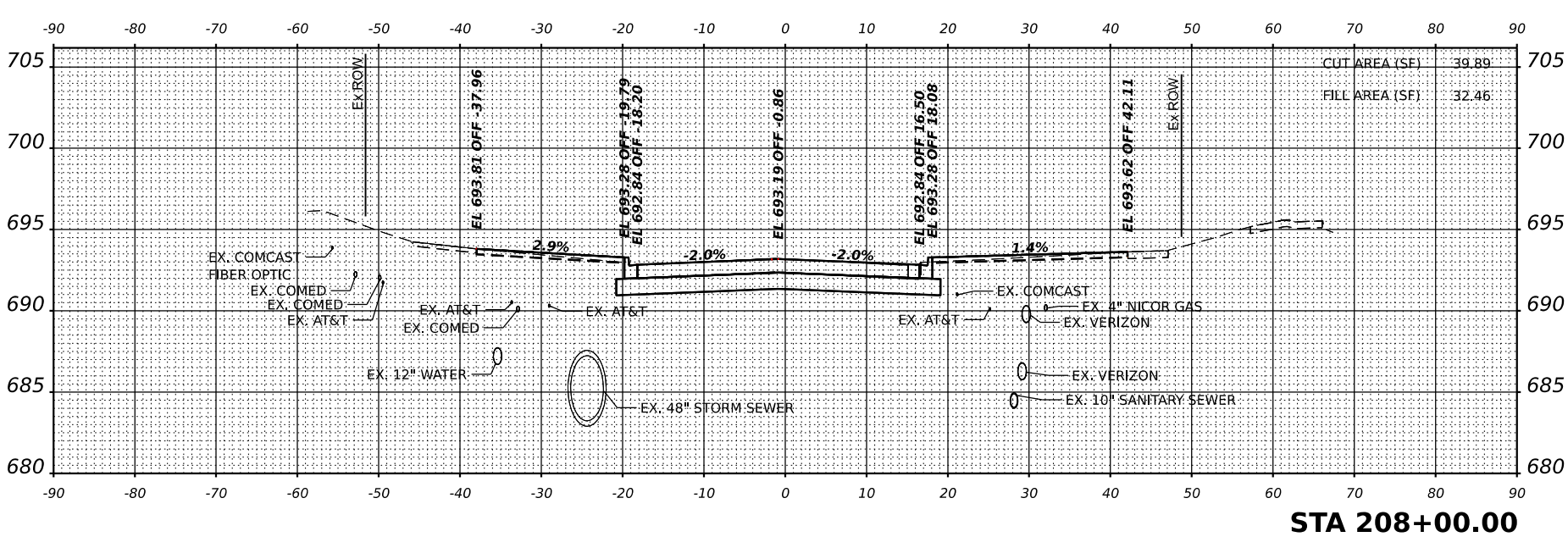
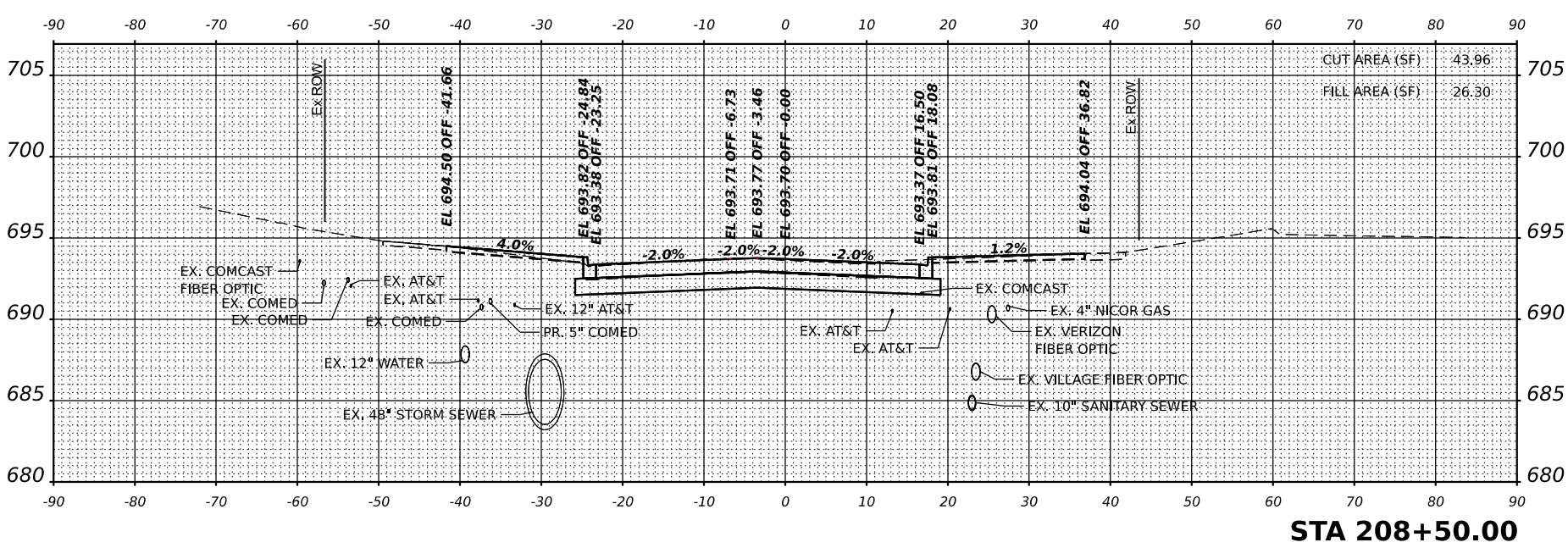
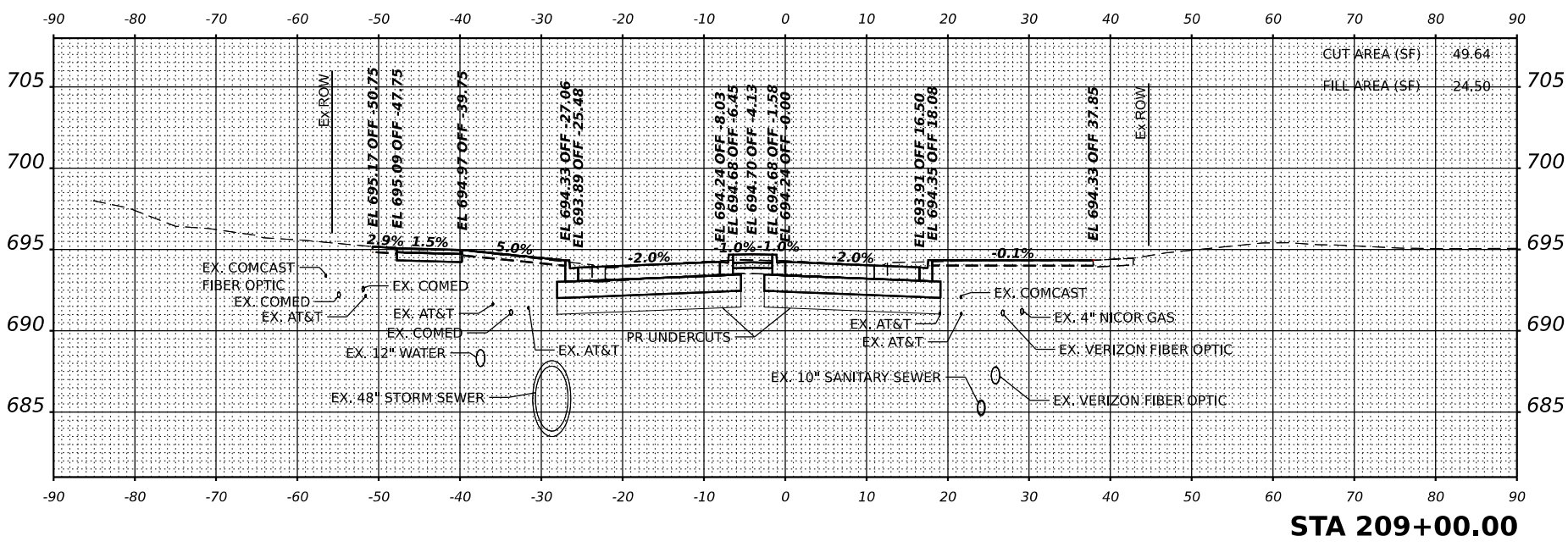
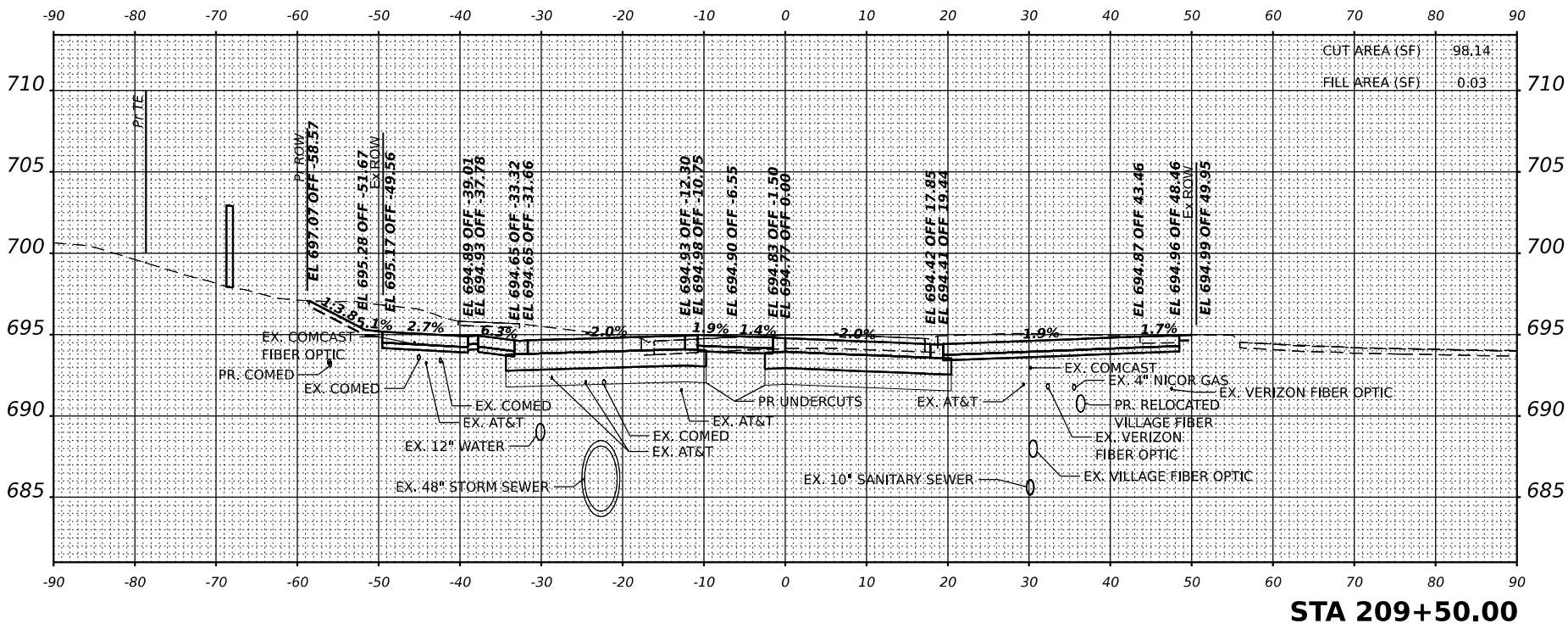
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'

RAVINIA AVENUE CROSS SECTIONS
 SOUTH APPROACH

SHEET 1 OF 3 SHEETS STA. 208+00.00 TO STA. 209+50.00

EAU. RTE.	SECTION	TOTAL SHEET NO.
1709	21-0008B-00-CH	99
ILLINOIS	COUNTY	SHEETS NO.
FED. AID PROJECT	COOK	97
	CONTRACT NO.	61M50





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 DRAWN =
 CHECKED =
 DATE =

REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'

SHEET 3 OF 3 SHEETS STA. 211+50.00 TO STA. 212+50.00

RAVINIA AVENUE CROSS SECTIONS
 NORTH LEG
 COUNTY COOK
 CONTRACT NO. 61M50
 TOTAL SHEET NO. 99

