

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	20-00124-00-CH	COOK	153	1
ILLINOIS		CONTRACT NO. 61K07		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

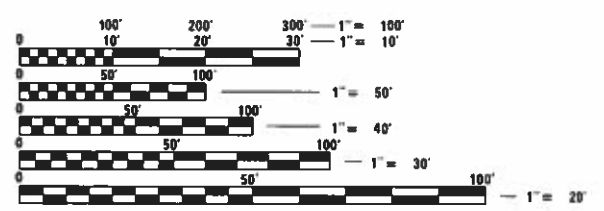
FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

01-17-2025 LETTING ITEM 140

THIS PROJECT PASSES THROUGH:
CITY OF ROLLING MEADOWS
VILLAGE OF ARLINGTON HEIGHTS

TRAFFIC DATA
ILLINOIS RTE 62 (ALGONQUIN RD)
FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL
ADT=27,200 VEHICLES PER DAY (2019)
35 MPH POSTED SPEED

NEW WILKE RD
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
ADT=17,400 VEHICLES PER DAY (2019)
35 MPH POSTED SPEED



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

CONTRACT NO. 61K07

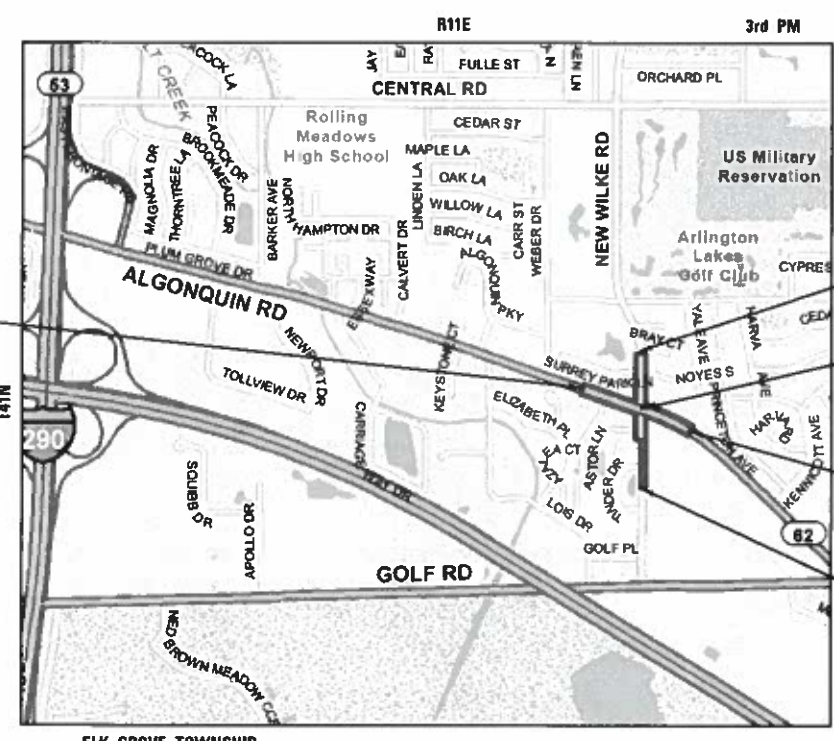
	<i>Val M. Racich</i>	10/7/2024
	DATE	
VAL M. RACICH		
ILLINOIS REGISTRATION No. 062-049622		
EXPIRATION DATE: 11/30/2025		
	<i>Anthony J. DeRicco</i>	10/7/2024
	DATE	
ANTHONY J. DERICCO		
ILLINOIS REGISTRATION No. 062-057484		
EXPIRATION DATE: 11/30/2025		
	<i>George M. Ziegler</i>	10/7/2024
	DATE	
GEORGE M. ZIEGLER		
ILLINOIS REGISTRATION No. 062-045853		
EXPIRATION DATE: 11/30/2025		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500
PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP 339 (ILLINOIS RTE 62)(ALGONQUIN RD)
AT FAU 2634 (NEW WILKE ROAD)
INTERSECTION IMPROVEMENTS
SECTION NO.: 20-00124-00-CH
PROJECT NO.: PD79(015)
CITY OF ROLLING MEADOWS
COOK COUNTY
JOB NO.: C-91-102-22



PROJECT BEGINS
ILLINOIS RTE 62
(ALGONQUIN RD)
STA 13 + 80.86

PROJECT ENDS
NEW WILKE RD
STA 45 + 56.60

STATION EQUATION
19 + 27.90 ILLINOIS RTE 62 (ALGONQUIN RD)
= 38 + 49.72 NEW WILKE ROAD

PROJECT ENDS
ILLINOIS RTE 62
(ALGONQUIN RD)
STA 24 + 20.83

PROJECT BEGINS
NEW WILKE RD
STA 29 + 36.83

LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 2,660 FT. = 0.50 MILE
NET LENGTH = 2,660 FT. = 0.50 MILE

APPROVED *Aaron Grosskopf* 11/5/24
PUBLIC WORKS DIRECTOR
CITY OF ROLLING MEADOWS

PASSED *Nov 15 2024*
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID
BASED ON LIMITED
REVIEW *November 18 2024*
REGIONAL ENGINEER

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

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

GENERAL NOTES

SPECIFICATIONS, STANDARDS, SPECIAL PROVISIONS, AND PERMITS

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2025; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" 2020 EIGHTH EDITION; THE "ILLINOIS URBAN MANUAL " AND THE "ILLINOIS URBAN MANUAL FIELD MANUAL FOR INSPECTION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES"; THE "AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES"; THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504); THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES; THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.

GENERAL NOTES

- THE CITY OF ROLLING MEADOWS (OWNER) AND OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING A MINIMUM OF THREE (3) FULL BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, UNDERGROUND UTILITIES SUCH AS WATER MAIN, SEWERS, GAS LINES, ETC. AS SHOWN ON THE PLANS, HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CITY AND THE ENGINEER DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS AND ARE NOT RESPONSIBLE IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND ACTUAL LOCATION OF THOSE UTILITIES SHOWN MAY DIFFER FROM THE LOCATION AS SHOWN ON THE DRAWINGS. THE EXACT HORIZONTAL AND VERTICAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE SURFACE AND/OR SUBSURFACE FEATURES INDICATED ON THE DRAWINGS AND EXISTING FIELD CONDITIONS.
- THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE AND GAS FACILITIES AND THE CITY OF NORTHLAKE FOR FIELD LOCATIONS OF BURIED WATER, SANITARY AND STORM FACILITIES. TWO (2) WORKING DAYS IN ADVANCE NOTICE IS REQUIRED.
- THE CONTRACT DOCUMENTS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DOCUMENTS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DOCUMENTS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DOCUMENTS BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS/METHODS AND TECHNIQUES OF CONSTRUCTION. OWNER'S REPRESENTATIVE/ENGINEER'S REVIEW OF SAME DOES NOT RELIEVE CONTRACTOR OF THIS RESPONSIBILITY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY AND JOB SITE SAFETY.
- THE GENERAL CONTRACTOR OR SUB-CONTRACTOR SHALL LIMIT THEIR CONSTRUCTION AND STAGING ACTIVITIES TO THE AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS BEYOND THESE LIMITS SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN, BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL DRIVEWAYS WITHIN THE PROJECT AT ALL TIMES DURING CONSTRUCTION. IT IS ANTICIPATED THAT ACCESS AT DRIVEWAYS SHALL REQUIRE SHORT DURATION RESTRICTIONS WHILE CONSTRUCTION OPERATIONS ARE OCCURRING ON OR IMMEDIATELY ADJACENT TO THE DRIVEWAY. THE CONTRACTOR SHALL NOTIFY EACH BUSINESS OWNERS NOT LESS THAN 14 DAYS IN ADVANCE OF INITIATING WORK AT THE BUSINESS' DRIVEWAY(S) AND SHALL ARRANGE FOR ALTERNATE ACCESS TO THE BUSINESS. DRIVEWAYS 24 FEET WIDE OR WIDER MUST BE REMOVED AND REPLACED ONE HALF AT A TIME. UNDER THE TEMPORARY ACCESS (COMMERCIAL ENTRANCE) PAY ITEM, THE CONTRACTOR SHALL PROMPTLY INSTALL AGGREGATE TO TEMPORARILY BACKFILL HOLES CREATED BY CURB AND DRIVEWAY REMOVAL. ERECT AND MAINTAIN DRIVEWAY ENTRANCE SIGNING PER STANDARD TC-26.
- 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.
- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT FADI SULTAN, THE AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV.

DEMOLITION NOTES

- THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REINSTALL SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. SIGNS WILL BE INSTALLED PER HIGHWAY STANDARDS 720001 AND 720006 AT TEMPORARY AND PERMANENT LOCATIONS. ANY EXISTING SIGN DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS SHALL BE REPLACED BY THE CONTRACTOR.

- ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW CONSTRUCTION. MATCH EXISTING ELEVATIONS AT POINTS OF CONNECTION FOR NEW AND EXISTING PAVEMENT, CURB, SIDEWALKS, ETC. ALL SAWCUT LOCATIONS INDICATED ON THE PLANS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD TO ACCOMMODATE CONDITIONS, JOINTS, MATERIAL TYPE, ETC. REMOVE MINIMUM AMOUNT NECESSARY FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
- ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL AND SHALL UTILIZE A "WET CUTTING" METHOD. ALL CONCRETE SAWCUTTING SHALL BE THOROUGHLY CLEANED AT THE END OF EACH WORKING DAY.
- KEEP ALL CITY STREETS FREE AND CLEAR OF CONSTRUCTION RELATED DIRT, DUST AND/OR DEBRIS.

UTILITY NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AS COORDINATED WITH THE CITY.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
- ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR.
- ADJUST MANHOLE OR VAULT RIM ELEVATIONS TO FINAL GRADE AT TIME OF FINAL PAVING.
- STRUCTURE ADJUSTMENTS: PRECAST CONCRETE ADJUSTMENT RINGS ARE NOT TO EXCEED 12 INCHES IN OVERALL HEIGHT AND SHALL BE USED IF AN ADJUSTMENT TO THE FINISHED GRADE ESTABLISHED BY THE RESIDENT ENGINEER IS NECESSARY. MAXIMUM TWO RINGS.
- THE FINAL RING (AND ALL RINGS UNDER 2") ON ALL NEW STRUCTURES AND STRUCTURE ADJUSTMENTS SHALL BE RUBBER. MASTIC SHALL BE PLACED BETWEEN EACH RING. NO EZ-STIK SHALL BE USED.
- THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS. CONTACT WATER DEPARTMENT FOR THEM TO TURN VALVES OR OPERATE HYDRANTS. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

LANDSCAPING NOTES

- CONTRACTOR SHALL NOT PLACE TOPSOIL AND SOD UNTIL THE TEMPERATURE IS 80° OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80° OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED, THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.
- THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN 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.
- PHOSPHOROUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT. A PHOSPHOROUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- ILLINOIS URBAN MANUAL SHALL GOVERN ALL SOIL EROSION AND SEDIMENT CONTROL, AND RELATED WORK.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY.
- ALL STORM SEWER STRUCTURES THAT ARE, OR WILL BE, FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT. INLET PROTECTORS, IN CONFORMANCE WITH CITY REQUIREMENTS SHALL BE USED IN PAVED AREAS TO PREVENT SILTATION AND DISCHARGE INTO WATERWAYS.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL MEASURES MUST BE MAINTAINED, REPAIRED, AND INSPECTED IN CONFORMANCE WITH ALL APPLICABLE IEPA-NPDES PHASE II REQUIREMENTS.
- REPORT RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS IF THEY OCCUR IN ACCORDANCE WITH THE IEPA NPDES REQUIREMENTS.

- ALL CONCRETE WASHOUTS SHALL CONFORM TO THE "TEMPORARY CONCRETE WASHOUT FACILITY" STANDARDS (CODE 954) OF THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- ANY AND ALL DEWATERING REQUIRED TO KEEP EXCAVATIONS DRY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

STAKING NOTES

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

MISCELLANEOUS NOTES

- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE THICKNESS OF EXISTING PAVEMENT TO BE REMOVED HAS BEEN ESTIMATED FROM PAVEMENT CORES. THE PAVEMENT CORING GEOTECHNICAL REPORT IS AVAILABLE TO THE BIDDERS UPON REQUEST. THE CITY DOES NOT GUARANTEE ITS ACCURACY.
- THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL EXCESS UTILITY SPOIL AND DISPOSE OF IT LEGALLY.
- STOCKPILING OF EXCAVATED MATERIALS ON SITE SHALL BE MINIMIZED TO THE GREATEST EXTENT PRACTICABLE. THE CONTRACTOR SHALL PROCEED PROMPTLY WITH UNDERGROUND WORK IMMEDIATELY FOLLOWING EXCAVATION AND SHALL BACKFILL ALL EXCAVATIONS IMMEDIATELY FOLLOWING APPROVAL OF COMPLETED WORK BY THE OWNER.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- TEMPORARY FENCE WILL BE ERECTED AT LOCATIONS DIRECTED BY THE ENGINEER AND MAINTAINED UNTIL THE ENGINEER DIRECTS ITS REMOVAL. TEMPORARY FENCE MAY BE ERECTED IN SOIL, OR ON PAVED SURFACES SUCH AS PARKING LOTS. TEMPORARY FENCE PLACED ALONG THE BACK OF A TEMP CONSTRUCTION EASEMENT, AND WITH THE PERMISSION OF THE PROPERTY OWNER, SHALL PREVENT INTRUSION OF CONTRACTOR FORCES AND EQUIPMENT INTO PUBLICLY AVAILABLE SPACES AND PUBLIC INTRUSION INTO THE WORK ZONE.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

COMMITMENTS

NONE.

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES
3 - 14	SUMMARY OF QUANTITIES
15 - 17	TYPICAL SECTIONS
18 - 20	EARTHWORK SCHEDULE
21 - 22	ALIGNMENT, TIES AND BENCHMARKS
23 - 26	REMOVAL PLAN
27 - 32	ROADWAY PLAN AND PROFILE
33 - 44	MAINTENANCE OF TRAFFIC
45 - 48	EROSION CONTROL PLAN
49	DRAINAGE PLAN AND PROFILE
50 - 51	WATER MAIN PLAN AND PROFILE
52	DRAINAGE DETAIL
53 - 58	ADA RAMP DETAILS
59 - 62	PAVEMENT MARKING PLAN
63 - 66	LANDSCAPING PLAN
67 - 73	TRAFFIC SIGNAL DETAILS
74 - 90	TRAFFIC SIGNAL PLANS
91 - 114	LIGHTING PLANS
115 - 135	CONSTRUCTION DETAILS
136 - 153	CROSS SECTIONS

HIGHWAY STANDARDS

- 000001-08 - STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-07 - TEMPORARY EROSION CONTROL SYSTEMS
- 424001-12 - PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011-05 - CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424021-07 - DEPRESSED CORNER FOR SIDEWALKS
- 424026-04 - ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
- 442201-03 - CLASS C AND D PATCHES
- 601001-05 - PIPE UNDERDRAINS
- 602001-02 - CATCH BASIN TYPE A
- 602406-11 - PRECAST MANHOLE, TYPE A, 6' (1.83 M) DIAMETER
- 602501-06 - PRECAST VALVE VAULT, TYPE A, 4' (1.22 M) DIAMETER
- 604001-05 - FRAME AND LIDS, TYPE 1
- 604091-05 - FRAME AND GRATE TYPE 24
- 606001-08 - CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 - PC CONCRETE ISLANDS AND MEDIANS
- 701101-05 - OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
- 701427-05 - LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
- 701602-10 - URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-10 - URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-10 - URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 - SIDEWALK, CORNER, OR CROSSWALK CLOSURE
- 701901-10 - TRAFFIC CONTROL DEVICES
- 720001-01 - SIGN PANEL MOUNTING DETAILS
- 720006-04 - SIGN PANEL ERECTION DETAILS
- 720011-01 - METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 780001-05 - TYPICAL PAVEMENT MARKINGS
- 781001-04 - TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 814001-03 - HANDHOLES
- 814006-03 - DOUBLE HANDHOLES
- 857001-01 - STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001-01 - UNINTERRUPTABLE POWER SUPPLY
- 873001-02 - TRAFFIC SIGNAL GROUNDING & BONDING
- 877011-10 - STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 877012-07 - STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
- 878001-11 - CONCRETE FOUNDATION DETAILS
- 880006-01 - TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 - DETECTOR LOOP INSTALLATIONS
- 886006-01 - TYPICAL LAYOUTS FOR DETECTION LOOPS

FILE NAME: \\mspoll\home\meadows\982361\BP\18R2001	USER NAME: amissick	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) GENERAL NOTES	F.A.P. RTE.: 0339	SECTION: SN 20-00124-00-CH	COUNTY: COOK	TOTAL SHEETS: 153	SHEET NO.: 2
#MODELNAME#	PLOT DATE: 11/2/2024	DRAWN: -	REVISED: -	SCALE: N/A	SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 61K07 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
20101000	TEMPORARY FENCE	FOOT	400	400	
20101100	TREE TRUNK PROTECTION	EACH	13	13	
Δ 20101200	TREE ROOT PRUNING	EACH	7	7	
Δ 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	3	3	
Δ 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	7	7	
20200100	EARTH EXCAVATION	CU YD	709	709	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	884	884	
20800150	TRENCH BACKFILL	CU YD	24	24	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	30	30	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1468	1468	
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	200	200	
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	19	19	
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	19	19	
Δ 25200110	SODDING, SALT TOLERANT	SQ YD	1470	1470	
Δ 25200200	SUPPLEMENTAL WATERING	UNIT	11	11	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	30	30	
28000400	PERIMETER EROSION BARRIER	FOOT	200	200	

Δ INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
28000510	INLET FILTERS	EACH	18	18	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	1468	1468	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	406	406	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1016	1016	
35101582	AGGREGATE BASE COURSE, TYPE B 2"	SQ YD	735	735	
35101700	AGGREGATE BASE COURSE, TYPE B 5"	SQ YD	1490	1490	
35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SQ YD	608	608	
35600706	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/2"	SQ YD	132	132	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9347	9347	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	800	800	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7	7	
40600990	TEMPORARY RAMP	SQ YD	1232	1232	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	63	63	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	564	564	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	212	212	
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	1314	1314	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	567	567	

△ INDICATES SPECIALTY ITEM

FILE NAME :	USER NAME : vrbach	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\BR200\980361R246\246_02.shx	PLOT SCALE = 20'	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	4	
MODELNAME:	PLOT DATE = 11/15/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT					

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

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3160	3160	
42400800	DETECTABLE WARNINGS	SQ FT	205	205	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	12596	12596	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	892	892	
44000300	CURB REMOVAL	FOOT	257	257	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1388	1388	
44000600	SIDEWALK REMOVAL	SQ FT	10100	10100	
44003100	MEDIAN REMOVAL	SQ FT	59	59	
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	300	300	
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	300	300	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	350	350	
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	350	350	
55100500	STORM SEWER REMOVAL 12"	FOOT	7	7	
△ 56100005	DUCTILE IRON WATER MAIN TEE, 6" X 6"	EACH	1	1	
△ 56100050	DUCTILE IRON WATER MAIN TEE, 12" X 6"	EACH	2	2	
△ 56100065	DUCTILE IRON WATER MAIN TEE, 12" X 12"	EACH	1	1	
△ 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	4	4	

△ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = vrsach	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246.CAD	980361BR246.CAD	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	5	
PLOT SCALE = 20'		CHECKED -	REVISED -			CONTRACT NO. 61K07					
MODEL NAME	PLOT DATE = 11/15/2024	DATE -	REVISED -			SCALE: N/A		SHEET OF SHEETS		STA. TO STA.	

[ILLINOIS] FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
Δ 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	82	82	
Δ 56201120	WATER SERVICE LINE 4"	FOOT	10	10	
Δ 56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	1	
Δ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1	
Δ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1	
Δ 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	5	5	
60108205	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	500	500	
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2	
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
Δ 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2	
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1	
Δ 60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5	5	
Δ 60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1	1	
60500050	REMOVING CATCH BASINS	EACH	1	1	
60600605	CONCRETE CURB, TYPE B	FOOT	264	264	

Δ INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
60601105	CONCRETE CURB, TYPE M	FOOT	29	29	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	370	370	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	845	845	
60618300	CONCRETE MEDIANSURFACE, 4 INCH	SQ FT	92	92	
Δ 66900200	NON-SPECIAL WASTE DISPOSAL	CUYD	1005	1005	
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5	
Δ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
Δ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
Δ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	80	80	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	300	300	
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	500	500	
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	6065	6065	
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	4085	4085	

Δ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = vrc01ch	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEAD\00WS\980361.BR\1BR203\198	61BR246\CV\1\500_980361BR246_05.shx	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	7	
MODELNAME	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61K07					
	PLOT DATE = 11/15/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE M TAPE	FOOT	545	545	
Δ 72000100	SIGN PANEL - TYPE 1	SQ FT	7	7	
Δ 72000200	SIGN PANEL - TYPE 2	SQ FT	50	50	
Δ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	12	12	
Δ 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1	
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	296	296	
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6460	6460	
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3285	3285	
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1227	1227	
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	212	212	
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	134	134	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	113	113	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6475	6475	
Δ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1215	1215	
Δ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	830	830	
Δ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	511	511	

Δ INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
Δ 81028250	UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	50	50	
Δ 81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	2125	2125	
Δ 81400100	HANDHOLE	EACH	6	6	
Δ 81400200	HEAVY-DUTY HANDHOLE	EACH	4	4	
Δ 81400300	DOUBLE HANDHOLE	EACH	2	2	
Δ 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1305	1305	
Δ 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2575	2575	
Δ 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	10285	10285	
Δ 81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	485	485	
Δ 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	6	6	
Δ 83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	5	5	
Δ 83800506	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	20	20	
Δ 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2	2	
Δ 84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7	
Δ 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	5	5	
Δ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2	

Δ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = vracich	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMCDOWS\980361.BR\BR200	61BR246C\1\500_980361BR246_07.dwg	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	9
MODELNAME	PLOT DATE = 11/15/2024	CHECKED -	REVISED -		SCALE: N/A	SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 61K07		

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
Δ 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2848	2848	
Δ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1438	1438	
Δ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1857	1857	
Δ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2240	2240	
Δ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2575	2575	
Δ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAR	FOOT	2397	2397	
Δ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	28	28	
Δ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1C	FOOT	1098	1098	
Δ 87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	3	3	
Δ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	16	
Δ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4	
Δ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48	48	
Δ 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	26	26	
Δ 87900200	DRILL EXISTING HANDHOLE	EACH	4	4	
Δ 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	8	
Δ 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	2	

Δ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = amussick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\CD\1\500_980361BR246_00.dwg		DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	10
#MODELNAME#	PLOT SCALE = 20'	CHECKED -	REVISED -		SCALE: N/A					
	PLOT DATE = 11/25/2024	DATE -	REVISED -		SHEET OF SHEETS	STA.	TO STA.			CONTRACT NO. 61K07
										ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
Δ 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6	6	
Δ 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6	6	
Δ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8	
Δ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14	14	
Δ 88500100	INDUCTIVE LOOP DETECTOR	EACH	11	11	
Δ 88600100	DETECTOR LOOP, TYPE I	FOOT	1263	1263	
Δ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
Δ 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2	2	
Δ 89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1	1	
Δ 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9114	9114	
Δ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
Δ 89502380	REMOVE EXISTING HANDHOLE	EACH	12	12	
Δ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	9	
Δ A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
Δ B2001463	TREE, CORNUS MAS 'GOLDEN GLORY' (GOLDEN GLORY CORNELIAN CHERRY DOGWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
Δ B2004120	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	5	

Δ INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
Δ K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	5	5	
Δ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	356	356	
Δ X0325815	REMOVE EXISTING CABLE	FOOT	560	560	
X0326806	WASHOUT BASIN	L SUM	1	1	
Δ X0327234	LIGHTING UNIT IDENTIFICATION DECAL	EACH	13	13	
X1200160	CONNECTION TO EXISTING DRAINAGE STRUCTURE	EACH	1	1	
Δ X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	100	100	
Δ X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1	
Δ X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3	3	
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	86	86	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12	12	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1	
X4421790	CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL)	SQ YD	5	5	
Δ X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	201	201	
Δ X5610690	WATER MAIN REHABILITATION	FOOT	863	863	
Δ X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	1	1	

Δ INDICATES SPECIALTY ITEM

FILE NAME :	USER NAME : vracich	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLHOME\ACOWS\980361.BR\982009\980361BR246\10.dwg	980361BR246\Civil\500_980361BR246_10.dwg	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	12	
MODELNAME	PLOT SCALE = 20'	CHECKED -	REVISED -			SCALE: N/A SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 61K07			
	PLOT DATE = 12/9/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1	
X6020399	CONNECTION TO EXISTING MANHOLE	EACH	1	1	
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	8	8	
Δ X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	4	4	
X6026200	INLETS TO BE ADJUSTED (SPECIAL)	EACH	1	1	
Δ X6026622	VALVE VAULTS TO BE REMOVED	EACH	1	1	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	113	113	
Δ X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	113	113	
Δ X8161000	EXPOSE AND RELOCATE EXISTING UNIT DUCT	FOOT	125	125	
Δ X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	6	6	
Δ X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1	1	
Δ X8410141	REMOVAL OF TEMPORARY LUMINAIRE	EACH	6	6	
Δ X8301115	MAST ARM, STREET LIGHTING, 15'	EACH	6	6	
Δ X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1	
Δ X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	1	
Δ X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	2892	2892	

Δ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = vracich	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMCAOWS\980361BR\5\BR200\5\980361BR246\Civil\500_980361BR246_11.sht	PLOT SCALE = 20'	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	13	
MODELNAME	PLOT DATE = 12/9/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT					

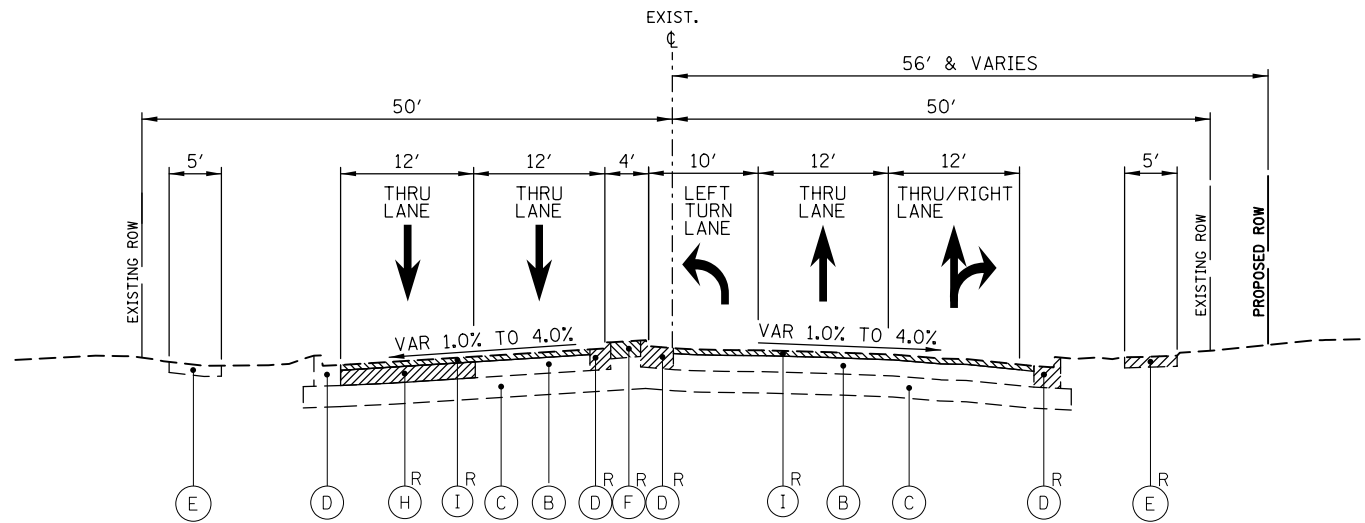
SCALE: N/A SHEET OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

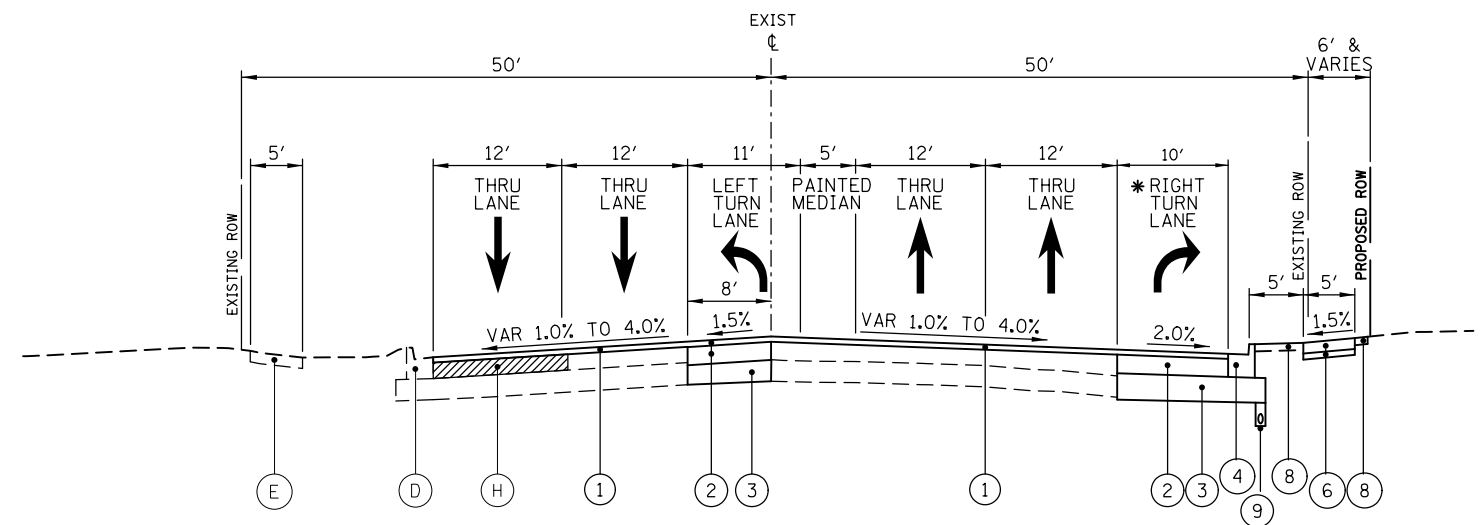
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU FUNDS 80% FEDERAL / 20% LOCAL	
				ROADWAY RESURFACING MAINTENANCE 0005	TRAINEES 0042
Δ X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8	
Δ X8770142	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. (SPECIAL)	EACH	1	1	
Δ X8770151	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. (SPECIAL)	EACH	1	1	
Δ X8770154	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. (SPECIAL)	EACH	1	1	
Δ X8770168	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT. (SPECIAL)	EACH	1	1	
Δ X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12	12	
XX000061	STUMP REMOVAL	EACH	13	13	
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	35	35	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Δ Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	6	6	
Δ Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9	9	
Δ Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1	
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	8	8	
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	32	32	
Δ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
Z0076600	TRAINEES	HOUR	500		500
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500

Δ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = vrsach	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMOUNTAIN\980361BR\980361BR200.sht	261BR246\Civil\500_980361BR246_12.sht	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	14
MODEL NAME	PLOT SCALE = 20'	CHECKED -	REVISED -		SCALE: N/A	SHEET OF SHEETS STA.		TO STA.		
	PLOT DATE = 11/15/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT CONTRACT NO. 61K07				



EXISTING TYPICAL SECTION-ALGONQUIN ROAD (ILLINOIS ROUTE 62)
STA. 13+80.86 TO STA. 19+27.90



PROPOSED TYPICAL SECTION-ALGONQUIN ROAD (ILLINOIS ROUTE 62)
STA. 13+80.86 TO STA. 19+27.90

* STA 16+11.70 TO 19+27.90

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
- (B) P.C. CONCRETE PAVEMENT
- (C) GRANULAR SUBGRADE
- (D) COMBINATION CONCRETE CURB AND GUTTER
- (E) P.C. CONCRETE SIDEWALK
- (F) P.C. CONCRETE MEDIAN
- (G) HOT-MIX ASPHALT BIKE PATH
- (H) CLASS D PATCHES, 12 INCH (WHERE DIRECTED BY ENGINEER)
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (J) TOPSOIL STRIPPING (APPROX. 8")
- (K) EXISTING HMA OVERLAY: 2-1/2" NOMINAL
- ▨, R = REMOVAL (SEE PLANS FOR LIMITS)

PROPOSED LEGEND

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50
- ② HMA BASE COURSE (WIDTH OVER 6') (HMA BINDER, IL-19.0)
HMA BASE COURSE WIDENING (WIDTH 6' OR LESS) (HMA BINDER, IL-19.0)
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"
- ⑦ MULTI-USE PATH (HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; (IL 9.5mm))
AGGREGATE BASE COURSE, TYPE B 5"
- ⑧ TOP SOIL FURNISH AND PLACE, 4" (21101615)
SODDING, SALT TOLERANT (25200110)
NITROGEN FERTILIER NUTRIENTS (25000400)
POTASSIUM FERTILIER NUTRIENTS (25000600)
- ⑨ PIPE UNDERDRAINS, TYPE 1, 6" (60108106)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	AIR VOIDS @Ndes	QMP
HOT-MIX ASPHALT PAVEMENT WIDENING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 80 GYR	LR 1030-2
HMA BASE COURSE (WIDTH OVER 6') (HMA BINDER, IL-19.0) HMA BASE COURSE WIDENING (WIDTH 6' OR LESS) (HMA BINDER, IL-19.0)	3.5% @ 50 GYR 4.0% @ 70 GYR	LR 1030-2 LR 1030-2
PAVEMENT OVERLAY POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 1 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 80 GYR	LR 1030-2
CLASS D PATCHES, 12" HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	4% @ 70 GYR	LR 1030-2
CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL) HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D", N50; 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 10"	4% @ 50 GYR 4% @ 50 GYR	LR 1030-2 LR 1030-2
DRIVEWAYS HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; (IL 9.5mm) 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N50; 6"	4% @ 50 GYR 4% @ 50 GYR	LR 1030-2 LR 1030-2
MULTI-USE PATH HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; (IL 9.5mm) 3" (IN 2 LIFTS)	4% @ 50 GYR	LR 1030-2
TEMPORARY RAMP HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	4% @ 70 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.

NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- PAVEMENT PATCHING SHALL BE PERFORMED AFTER PAVEMENT SURFACE REMOVAL.
- CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL) SHALL ONLY BE USED OUTSIDE THE RESURFACING LIMITS.
- TEMPORARY RAMP SHALL ONLY BE USED DURING RESURFACING OPERATIONS AT THE LOCATIONS SPECIFIED BY THE ENGINEER.

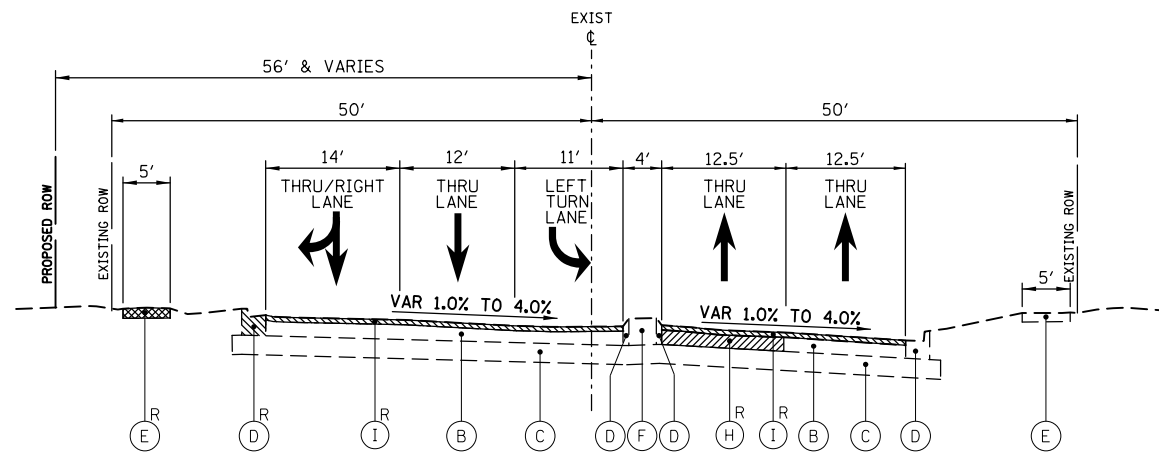
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200\1\980361BR246\Civil\TYP_XS_980361BR246_IL62_01.dwg		DRAWN -	REVISED -
	PLOT SCALE = 18'	CHECKED -	REVISED -
MODELNAME	PLOT DATE = 11/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

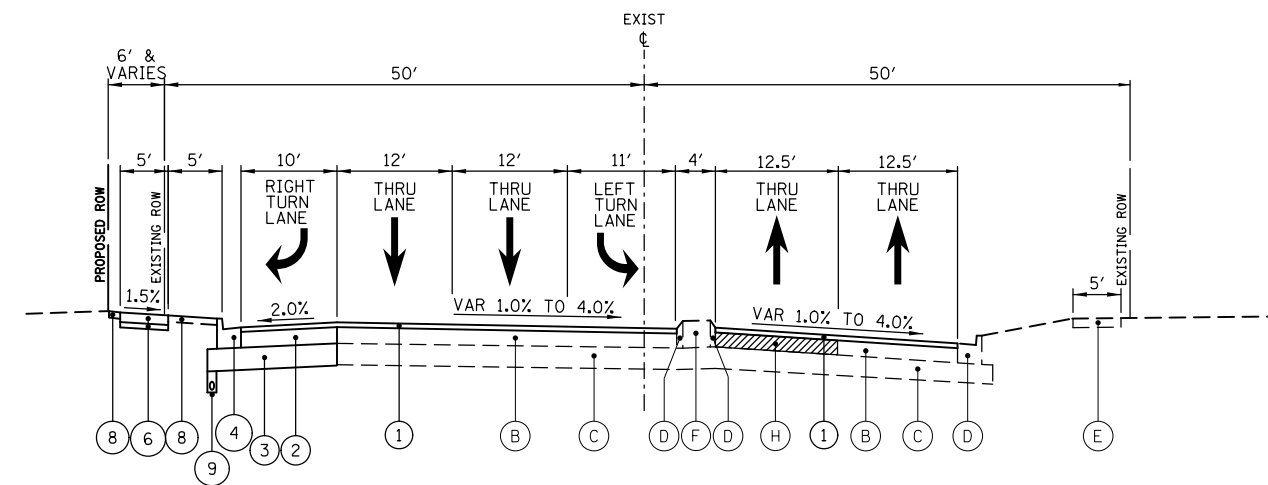
**EXISTING AND PROPOSED TYPICAL SECTIONS
ALGONQUIN ROAD (IL 62)**

SCALE: 1H:2V SHEET 1 OF 2 SHEETS STA. 13+80.86 TO STA. 19+27.90

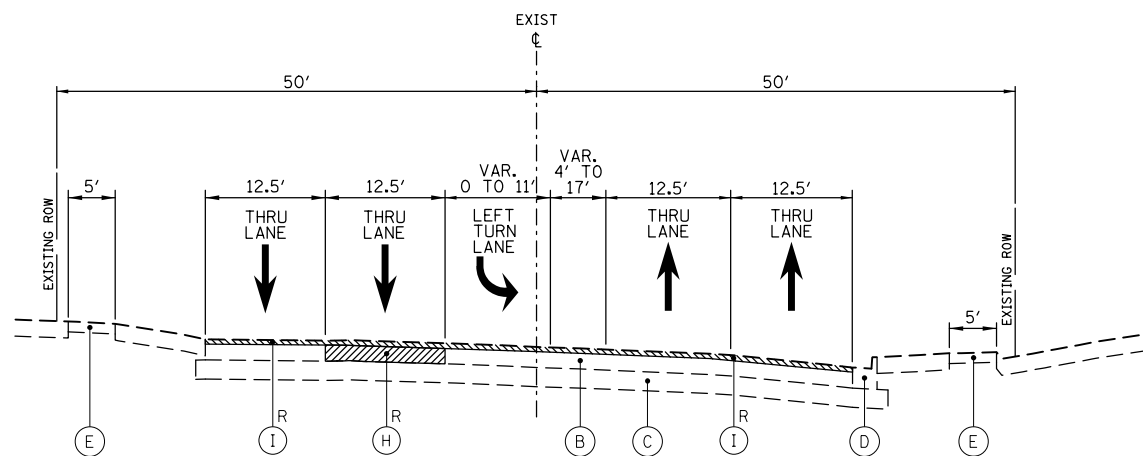
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	15
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



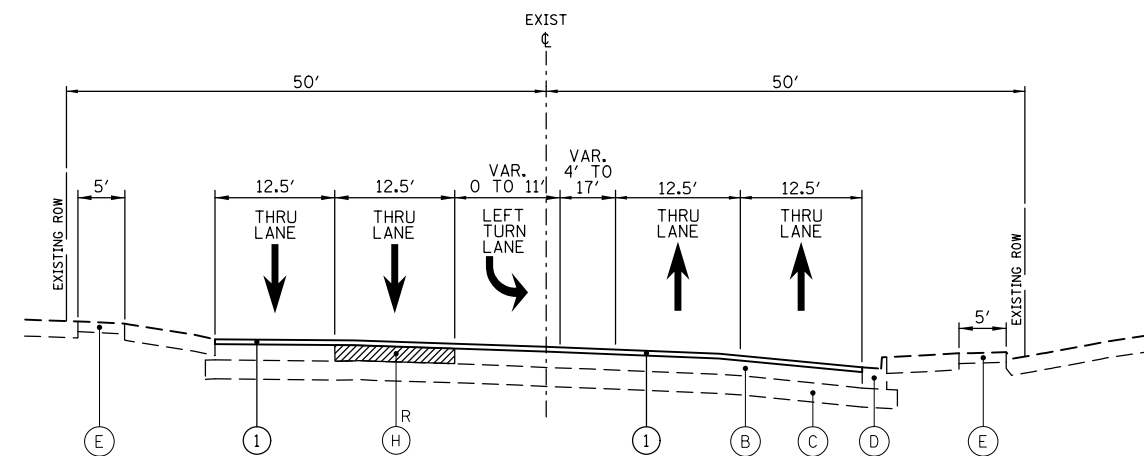
EXISTING TYPICAL SECTION-ALGONQUIN ROAD (ILLINOIS ROUTE 62)
STA. 19 + 27.90 TO STA. 23 + 29.00



PROPOSED TYPICAL SECTION-ALGONQUIN ROAD (ILLINOIS ROUTE 62)
STA. 19 + 27.90 TO STA. 23 + 29.00



EXISTING TYPICAL SECTION-ALGONQUIN ROAD (ILLINOIS ROUTE 62)
STA. 23 + 29.00 TO STA. 24 + 20.83



PROPOSED TYPICAL SECTION-ALGONQUIN ROAD (ILLINOIS ROUTE 62)
STA. 23 + 29.00 TO STA. 24 + 20.83

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
- (B) P.C. CONCRETE PAVEMENT
- (C) GRANULAR SUBGRADE
- (D) COMBINATION CONCRETE CURB AND GUTTER
- (E) P.C. CONCRETE SIDEWALK
- (F) P.C. CONCRETE MEDIAN
- (G) HOT-MIX ASPHALT BIKE PATH
- (H) CLASS D PATCHES, 12 INCH (WHERE DIRECTED BY ENGINEER)
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (J) TOPSOIL STRIPPING (APPROX. 8")
- (K) EXISTING HMA OVERLAY: 2-1/2" NOMINAL
- ▨, R = REMOVAL (SEE PLANS FOR LIMITS)

NOTE:

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50
- (2) HMA BASE COURSE (WIDTH OVER 6') (HMA BINDER, IL-19.0)
HMA BASE COURSE WIDENING (WIDTH 6' OR LESS) (HMA BINDER, IL-19.0)
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"
- (7) MULTI-USE PATH (HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; (IL 9.5mm))
AGGREGATE BASE COURSE, TYPE B 5"
- (8) TOP SOIL FURNISH AND PLACE, 4" (21101615)
SODDING, SALT TOLERANT (25200110)
NITROGEN FERTILIER NUTRIENTS (25000400)
POTASSIUM FERTILIER NUTRIENTS (25000600)
- (9) PIPE UNDERDRAINS, TYPE 1, 6" (60108106)

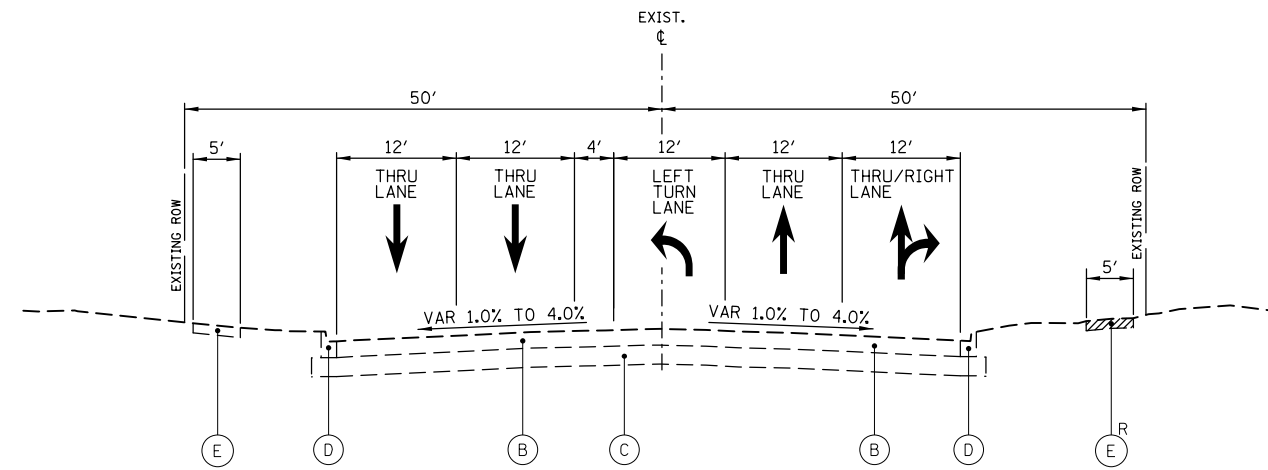
FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200\980361BR246\Civil\TYP_XS_980361BR246_IL62_02.dgn		DRAWN -	REVISED -
	PLOT SCALE = 28'	CHECKED -	REVISED -
MODELNAME	PLOT DATE = 11/6/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

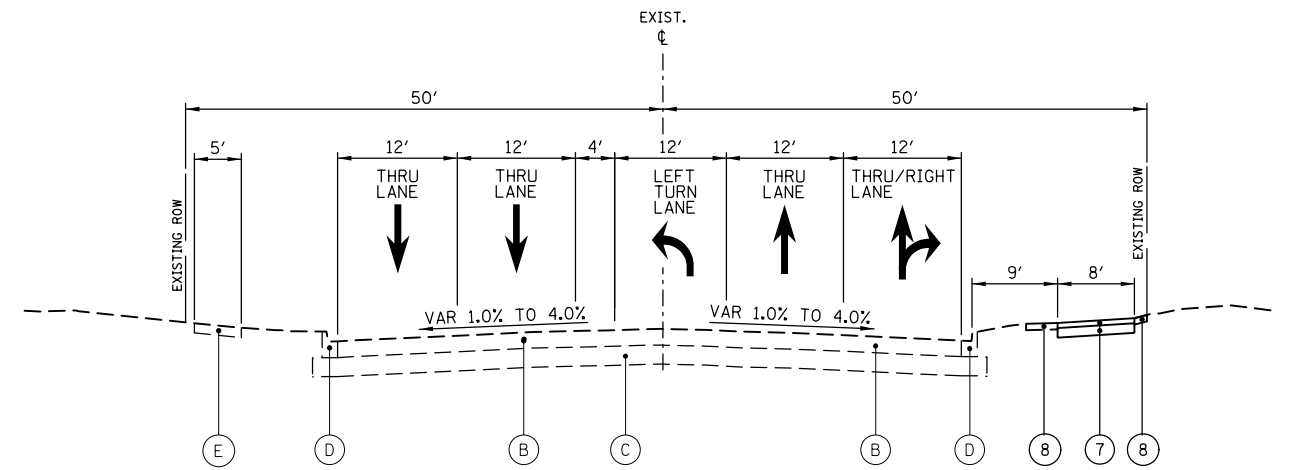
EXISTING AND PROPOSED TYPICAL SECTIONS
ALGONQUIN ROAD (IL 62)

SCALE: 1/4"=2V SHEET 1 OF 2 SHEETS STA. 19+27.90 TO STA. 24+20.83

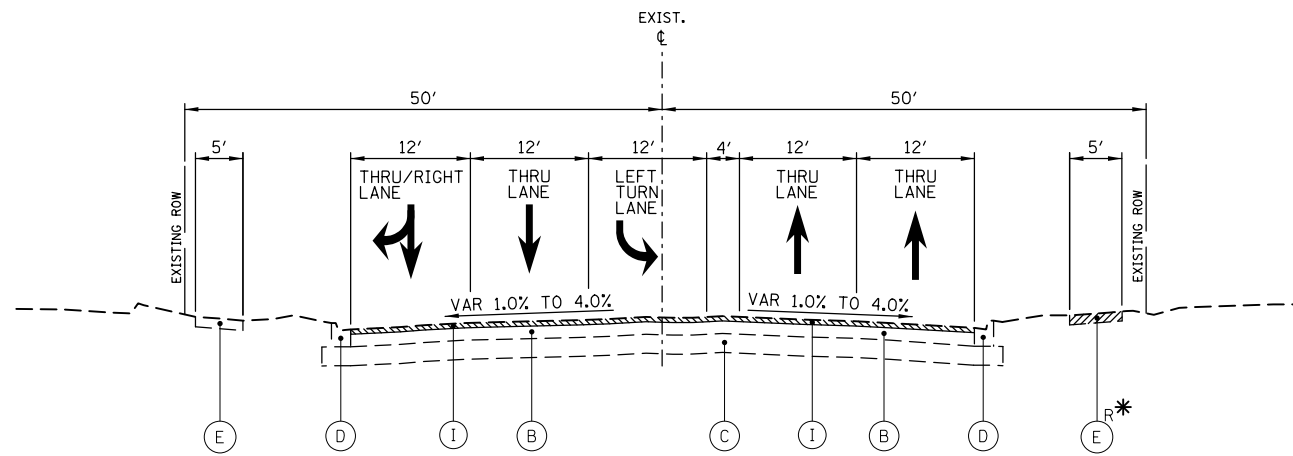
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	16
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



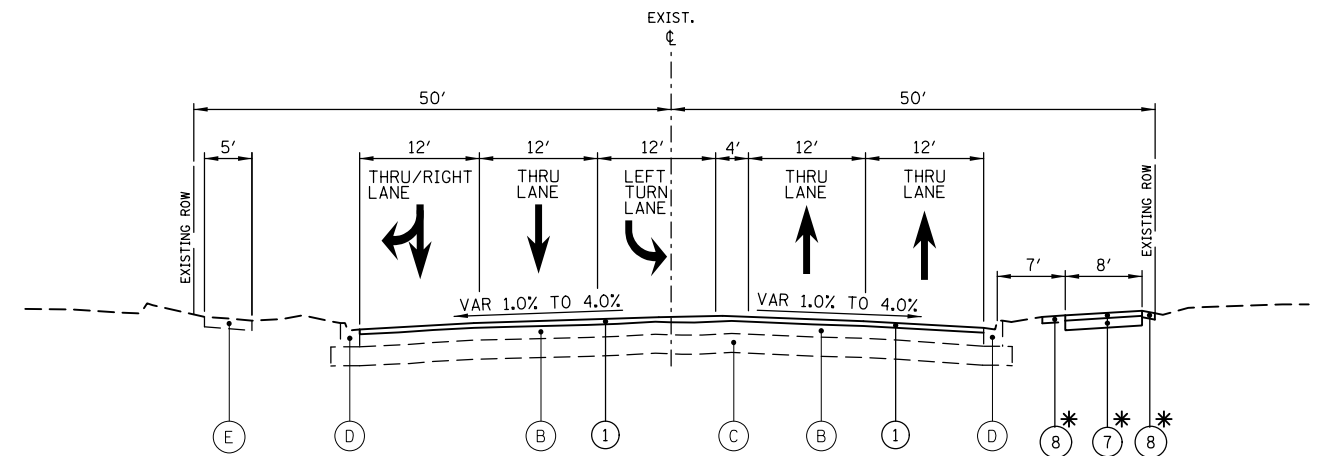
**EXISTING TYPICAL SECTION-NEW WILKE ROAD
STA. 29+36.83 TO STA. 37+07.75**



**PROPOSED TYPICAL SECTION-NEW WILKE ROAD
STA. 29+36.83 TO STA. 37+07.75**



**EXISTING TYPICAL SECTION-NEW WILKE ROAD
STA. 37+07.75 TO STA. 45+56.60**



**PROPOSED TYPICAL SECTION-NEW WILKE ROAD
STA. 37+07.75 TO STA. 45+56.60**

* STA 40+69.35 TO 45+56.60

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
- (B) P.C. CONCRETE PAVEMENT
- (C) GRANULAR SUBGRADE
- (D) COMBINATION CONCRETE CURB AND GUTTER
- (E) P.C. CONCRETE SIDEWALK
- (F) P.C. CONCRETE MEDIAN
- (G) HOT-MIX ASPHALT BIKE PATH
- (H) CLASS D PATCHES, 12 INCH (WHERE DIRECTED BY ENGINEER)
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (J) TOPSOIL STRIPPING (APPROX. 8")
- (K) EXISTING HMA OVERLAY: 2-1/2" NOMINAL
- ▨, R = REMOVAL (SEE PLANS FOR LIMITS)

NOTE:

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50
- (2) HMA BASE COURSE (WIDTH OVER 6') (HMA BINDER, IL-19.0)
HMA BASE COURSE WIDENING (WIDTH 6' OR LESS) (HMA BINDER, IL-19.0)
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"
- (7) MULTI-USE PATH (HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; (IL 9.5mm))
AGGREGATE BASE COURSE, TYPE B 5"
- (8) TOP SOIL FURNISH AND PLACE, 4" (21101615)
SODDING, SALT TOLERANT (25200110)
NITROGEN FERTILIER NUTRIENTS (25000400)
POTASSIUM FERTILIER NUTRIENTS (25000600)
- (9) PIPE UNDERDRAINS, TYPE 1, 6" (60108106)

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200's\980361BR246\Civil\TYP_XS_980361BR246_NW.dgn		DRAWN -	REVISED -
	PLOT SCALE = 28'	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 11/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
NEW WILKE ROAD**

SCALE: 1/4"=2V SHEET 1 OF 1 SHEETS STA. 37+07.75 TO STA. 45+56.60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	17
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

ALGONQUIN ROAD (IL 62) EARTHWORK SCHEDULE

STAGE 1

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	TOPSOIL PLACE (SQ FT)	TOPSOIL STRIPPING (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	4" TOPSOIL PLACE (SQ YD)	UNDERCUT (SQ FT)	UNDERCUT (CU YD)
SUBTOTALS					205	588	500	32	468	385		69
IL 62 (ALGONQUIN RD)												
16+00.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16+50.00	0.0	24.4	0.0	0.0	0.0	22.6	19.2	0.0	19.2	0.0	3.3	3.1
17+15.00	12.2	23.1	2.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	6.8	12.2
17+50.00	20.0	27.9	1.3	0.0	20.9	33.1	28.1	2.5	25.6	14.0	6.7	8.8
18+00.00	15.8	19.8	2.4	4.5	33.1	44.2	37.5	3.4	34.1	37.5	6.9	12.6
18+35.00	16.3	26.0	0.5	4.8	20.8	29.7	25.2	1.9	23.4	54.3	6.8	8.9
18+51.00	12.7	33.0	0.2	3.0	8.6	17.5	14.9	0.2	14.7	20.8	6.8	4.0
19+00.00	16.1	32.0	1.7	4.1	26.1	59.0	50.1	1.7	48.4	58.0	7.0	12.5
19+50.00	0.0	35.6	0.0	0.0	14.9	62.6	53.2	1.6	51.6	34.2	0.0	6.5
20+00.00	10.9	20.9	0.7	2.1	10.1	52.3	44.5	0.6	43.8	17.5	0.0	0.0
20+30.00	15.0	18.4	7.1	4.0	14.4	21.8	18.6	4.3	14.2	30.5	0.0	0.0
20+60.00	0.0	20.3	0.3	0.0	8.3	21.5	18.3	4.1	14.2	20.0	0.0	0.0
20+87.00	0.0	18.8	3.3	0.0	0.0	19.6	16.6	1.8	14.8	0.0	0.0	0.0
21+24.74	11.0	25.8	0.7	2.1	7.7	31.2	26.5	2.8	23.7	13.2	0.0	0.0
21+83.00	3.2	31.1	1.7	1.5	15.3	61.4	52.2	2.6	49.6	35.0	0.0	0.0
22+11.00	0.0	39.2	0.0	0.0	1.7	36.5	31.0	0.9	30.1	7.0	0.0	0.0
22+50.00	6.2	17.7	0.6	0.6	4.5	41.1	34.9	0.4	34.5	3.9	0.0	0.0
23+00.00	6.4	9.5	1.3	2.0	11.7	25.2	21.4	1.8	19.6	21.7	0.0	0.0
23+50.00	0.0	0.0	0.0	0.0	5.9	8.8	7.5	1.2	6.3	16.7	0.0	0.0

STAGE 1A

	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	TOPSOIL PLACE (SQ FT)	TOPSOIL STRIPPING (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	4" TOPSOIL PLACE (SQ YD)	UNDERCUT (SQ FT)	UNDERCUT (CU YD)
SUBTOTALS					18	35	30	3	28	25		0
IL 62 (ALGONQUIN RD)												
19+50.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20+00.00	12.8	34.8	0.0	0.0	11.9	32.2	27.4	0.0	27.4	0.0	0.0	0.0
20+30.00	9.8	3.7	3.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20+60.00	0.0	0.0	0.0	0.0	5.4	2.1	1.7	2.1	-0.3	24.5	0.0	0.0

STAGE 2

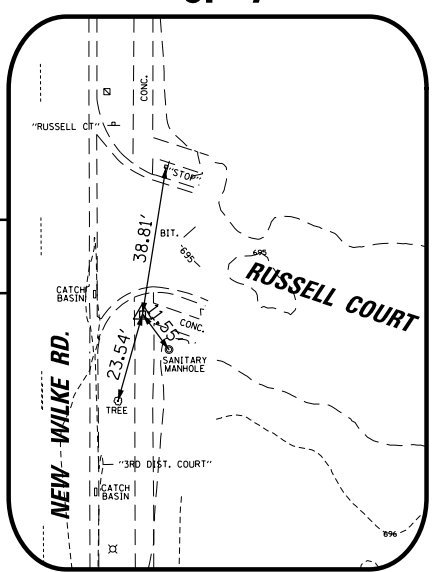
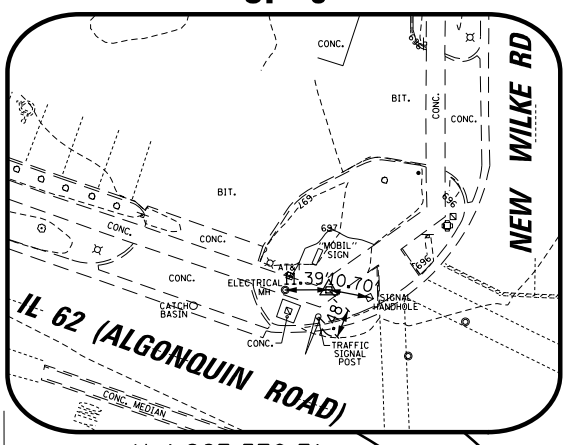
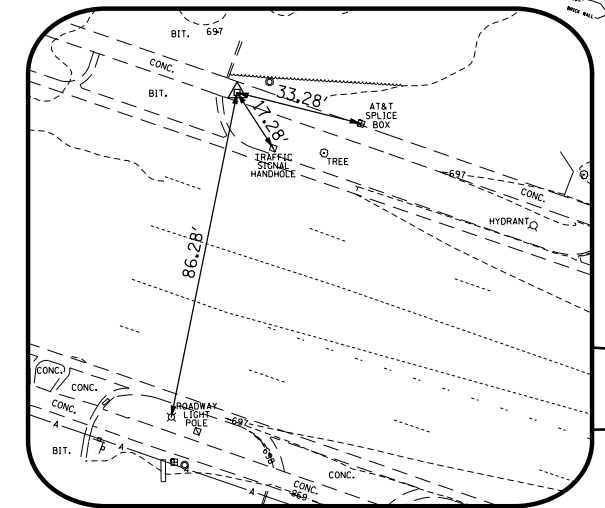
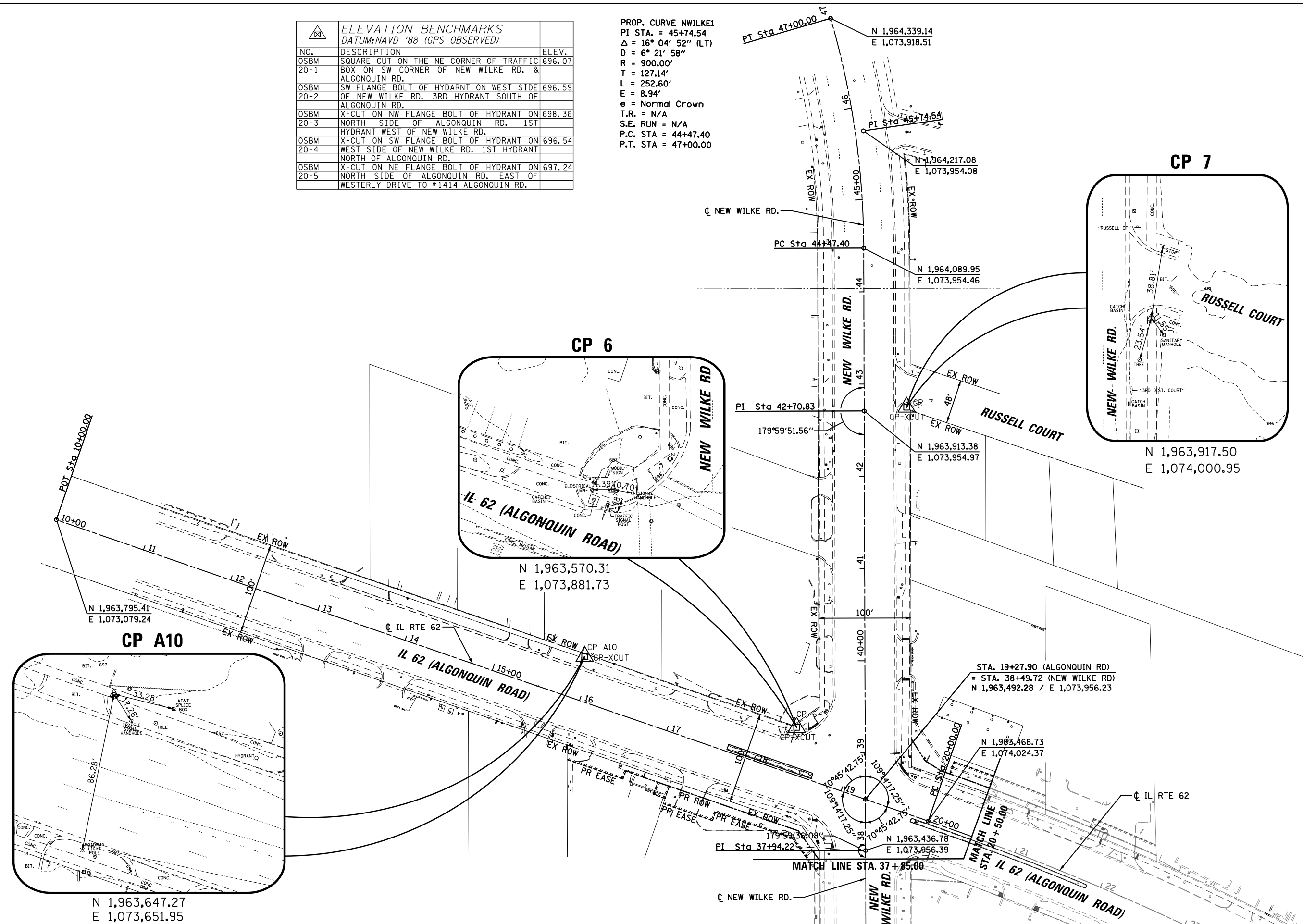
	TOPSOIL STRIPPING (SQ FT)	CUT (EXCLUSIVE OF T/S STRIPPING, PAV'T REMOVAL, C&G REMOVAL, DRIVEWAY REMOVAL) (SQ FT)	FILL (SQ FT)	TOPSOIL PLACE (SQ FT)	TOPSOIL STRIPPING (CU YD)	CUT VOLUME (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15% SHRINKAGE FACTOR) (CU YD)	FILL (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	4" TOPSOIL PLACE (SQ YD)	UNDERCUT (SQ FT)	UNDERCUT (CU YD)
SUBTOTALS					0	21	18	0	18	0		0
IL 62 (ALGONQUIN RD)												
17+50.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18+00.00	0.0	7.7	0.0	0.0	0.0	7.1	6.1	0.0	6.1	0.0	0.0	0.0
18+35.00	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18+51.00	0.0	9.2	0.0	0.0	0.0	5.0	4.3	0.0	4.3	0.0	0.0	0.0
19+00.00	0.0	0.0	0.0	0.0	0.0	8.3	7.1	0.0	7.1	0.0	0.0	0.0

EARTHWORK SCHEDULE SUMMARY

EARTHWORK SUMMARY							
LOCATION	A TOPSOIL STRIPPING (UNSUITABLE) (CU YD)	B CUT VOLUME (EARTH EXCAVATION) (CU YD)	C EXCAVATION AVAILABLE FOR EMBANKMENTS ADJUSTED BY 15% SHRINKAGE FACTOR (CU YD)	D EMBANKMENT (FILL) (CU YD)	E EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)	F ESTIMATED NON-SPECIAL WASTE VOLUME (CU YD)	G UNDERCUT VOLUME (UNSUITABLE) (CU YD)
IL 62 (ALGONQUIN RD)	205	588	500	32	468	376	69
NEW WILKE RD	255	65	55	100	-45	0	337
STAGE 1 SUBTOTAL	460	653	555	132	423	376	406
IL 62 (ALGONQUIN RD)	18	35	30	3	28	66	0
NEW WILKE RD	0	0	0	0	0	0	0
STAGE 1A SUBTOTAL	18	35	30	3	28	66	0
IL 62 (ALGONQUIN RD)	0	21	18	0	18	0	0
NEW WILKE RD	0	0	0	0	0	0	0
STAGE 2 SUBTOTAL	0	21	18	0	18	0	0
PROJECT TOTALS	478	709	603	135	469	442	406
				EARTH EXCAVATION (20200100)	COLUMN B	709	
				REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	COLUMNS A + G	884	
				NON-SPECIAL WASTE DISPOSAL (66900200)	COLUMN F	442	

ELEVATION BENCHMARKS DATUM: NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 20-1	SQUARE CUT ON THE NE CORNER OF TRAFFIC BOX ON SW CORNER OF NEW WILKE RD. & ALGONQUIN RD.	696.07
OSBM 20-2	SW FLANGE BOLT OF HYDRANT ON WEST SIDE OF NEW WILKE RD. 3RD HYDRANT SOUTH OF ALGONQUIN RD.	696.59
OSBM 20-3	X-CUT ON NW FLANGE BOLT OF HYDRANT ON NORTH SIDE OF ALGONQUIN RD. 1ST HYDRANT WEST OF NEW WILKE RD.	698.36
OSBM 20-4	X-CUT ON SW FLANGE BOLT OF HYDRANT ON WEST SIDE OF NEW WILKE RD. 1ST HYDRANT NORTH OF ALGONQUIN RD.	696.54
OSBM 20-5	X-CUT ON NE FLANGE BOLT OF HYDRANT ON NORTH SIDE OF ALGONQUIN RD. EAST OF WESTERLY DRIVE TO #1414 ALGONQUIN RD.	697.24

PROP. CURVE NWILKE1
 PI STA. = 45+74.54
 $\Delta = 16^\circ 04' 52''$ (LT)
 $D = 6^\circ 21' 58''$
 $R = 900.00'$
 $T = 127.14'$
 $L = 252.60'$
 $E = 8.94'$
 $e = \text{Normal Crown}$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 44+47.40
 P.T. STA = 47+00.00

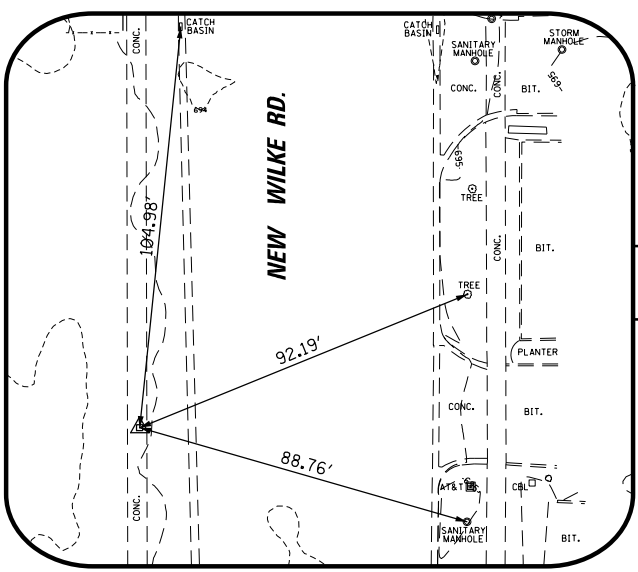
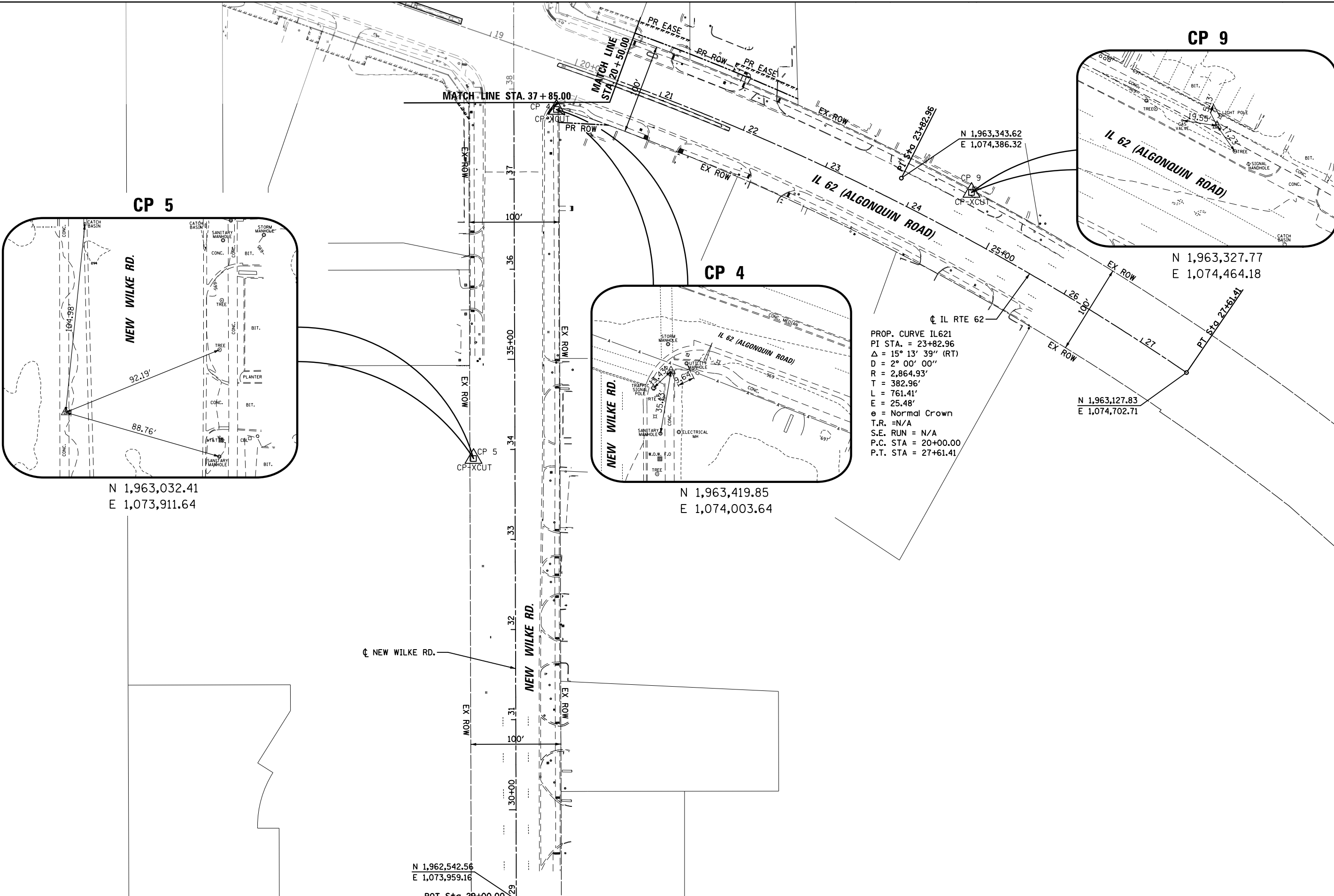


FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200\198361BR246\Civil\BNH_980361BR246_01.dgn		DRAWN -	REVISED -
#MODELNAME#	PLOT SCALE = 100'	CHECKED -	REVISED -
	PLOT DATE = 11/6/2024	DATE -	REVISED -

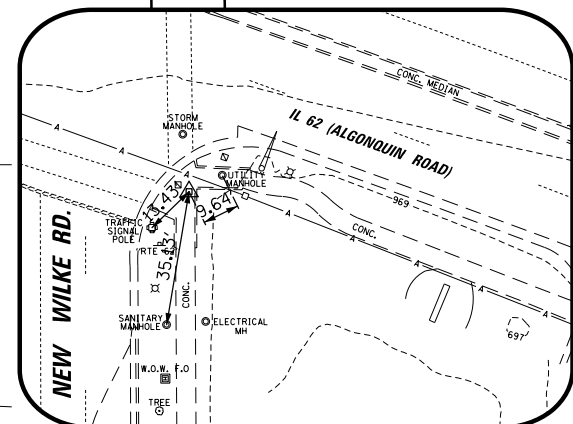
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALGONQUIN ROAD (IL 62)	
ALIGNMENT, TIES AND BENCHMARKS	
SCALE: 1" = 100'	SHEET 1 OF 2 SHEETS
STA. 10+00.00	TO STA. 20+50.00

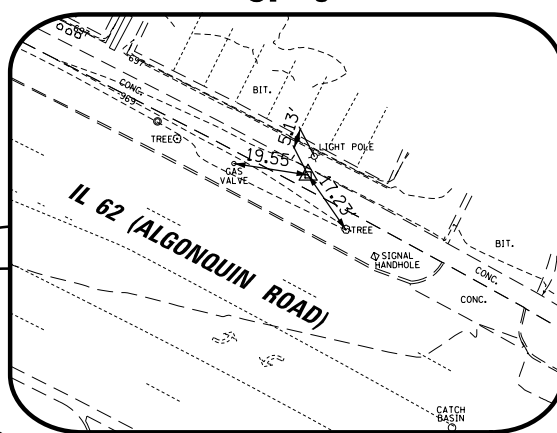
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	21
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



N 1,963,032.41
E 1,073,911.64



N 1,963,419.85
E 1,074,003.64



N 1,963,327.77
E 1,074,464.18

PROP. CURVE IL621
PI STA. = 23+82.96
 $\Delta = 15^\circ 13' 39''$ (RT)
D = 2° 00' 00"
R = 2,864.93'
T = 382.96'
L = 761.41'
E = 25.48'
e = Normal Crown
T.R. = N/A
S.E. RUN = N/A
P.C. STA = 20+00.00
P.T. STA = 27+61.41

N 1,963,127.83
E 1,074,702.71

N 1,962,542.56
E 1,073,959.16

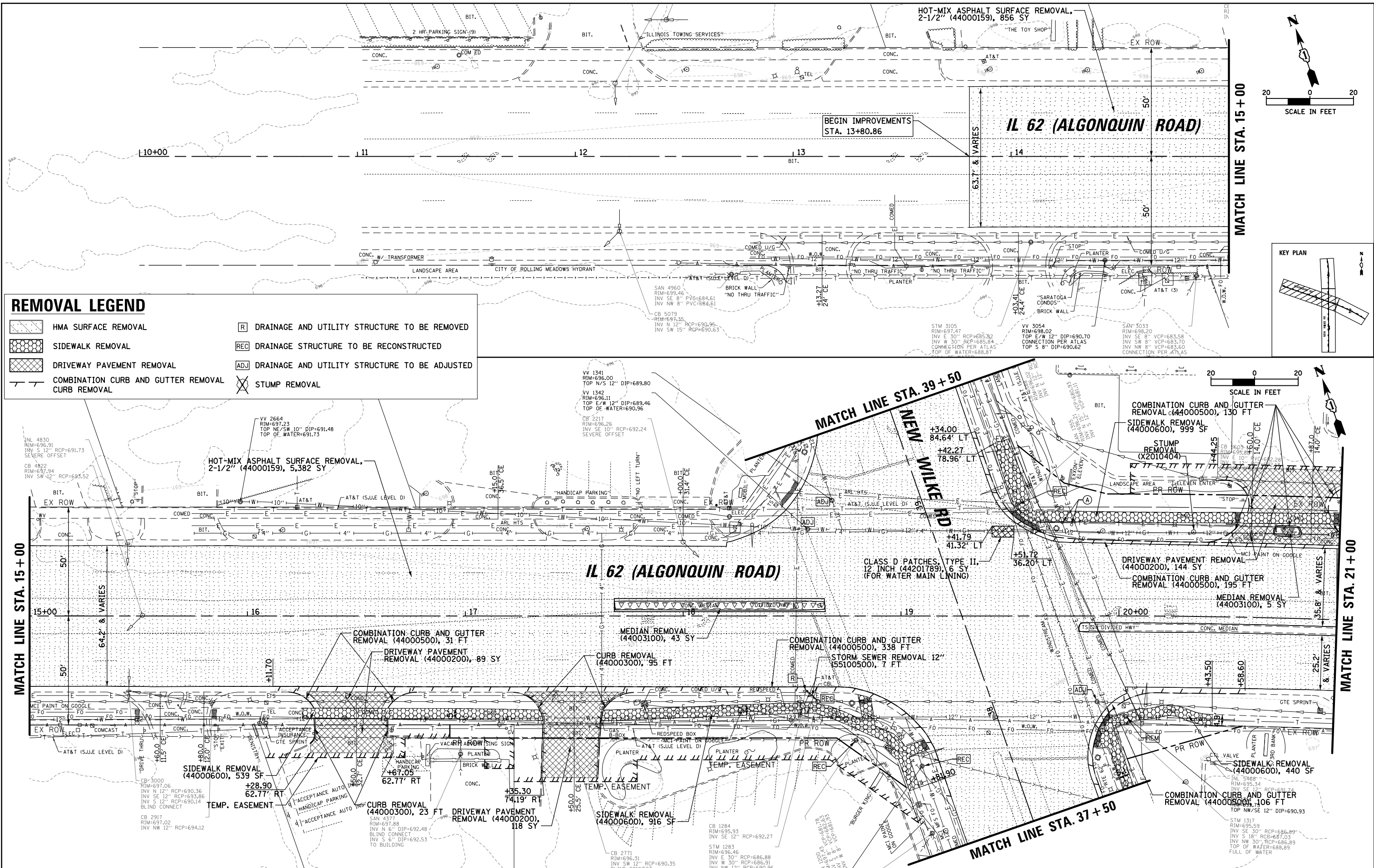
POT Sta 29+00.00

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\BNH_980361BR246_02.dgn		DRAWN -	REVISED -
MODELNAME	PLOT SCALE = 100'	CHECKED -	REVISED -
	PLOT DATE = 11/6/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

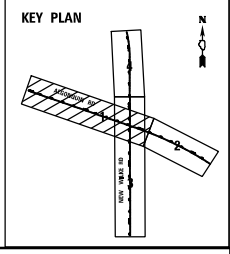
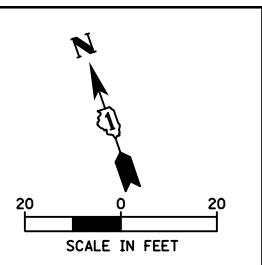
ALGONQUIN ROAD (IL 62)
ALIGNMENT, TIES AND BENCHMARKS
SCALE: 1" = 100' SHEET 2 OF 2 SHEETS STA. 20+50.00 TO STA. 27+61.41

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	22
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

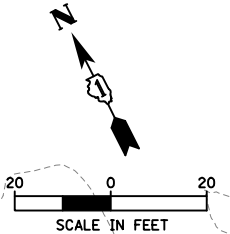
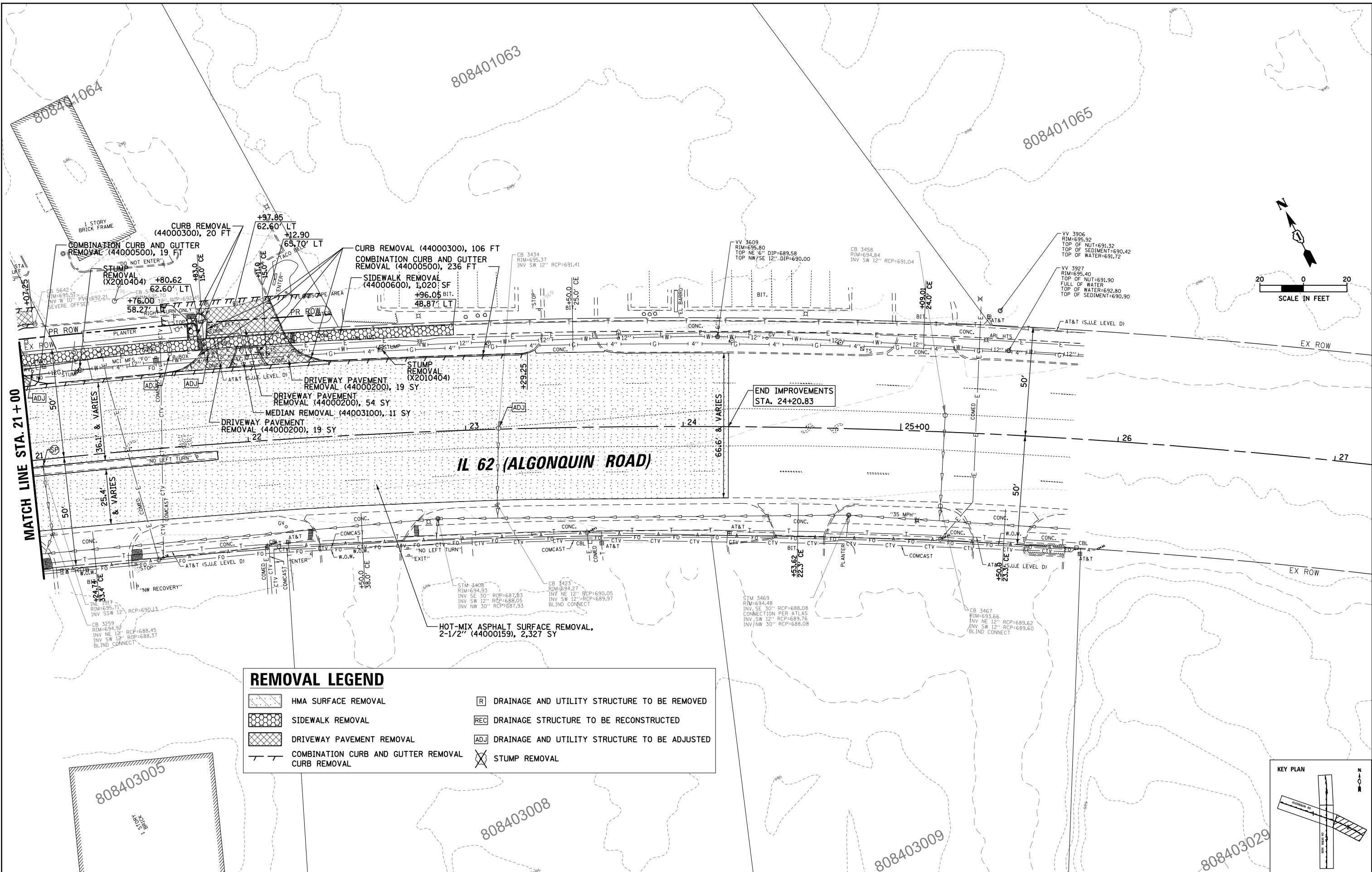


REMOVAL LEGEND

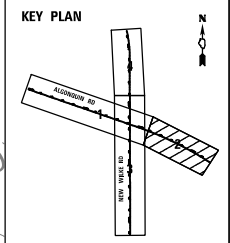
	HMA SURFACE REMOVAL		DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
	SIDEWALK REMOVAL		DRAINAGE STRUCTURE TO BE RECONSTRUCTED
	DRIVEWAY PAVEMENT REMOVAL		DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
	COMBINATION CURB AND GUTTER REMOVAL		STUMP REMOVAL



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) REMOVAL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
MODELNAME#	PLLOT SCALE = 48"	CHECKED -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	23	
	PLLOT DATE = 11/6/2024	DATE -	REVISED -			CONTRACT NO. 61K07					
						ILLINOIS FED. AID PROJECT					



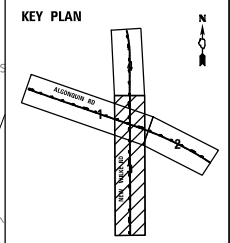
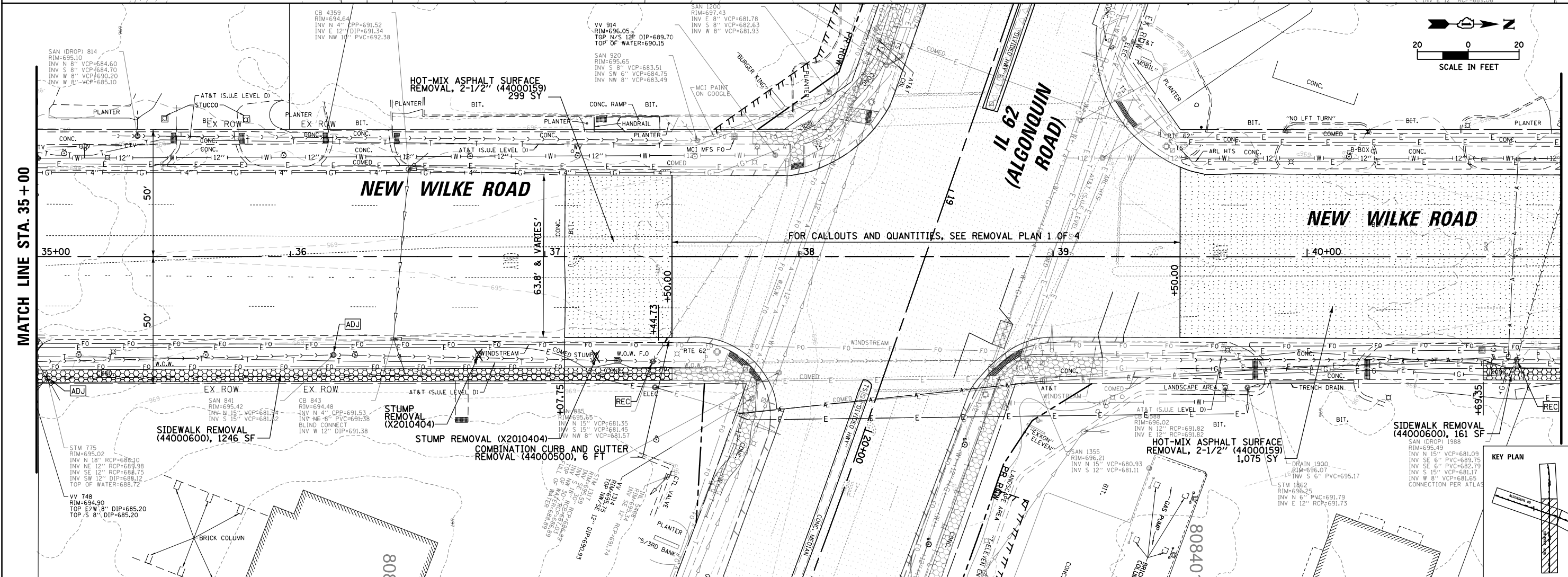
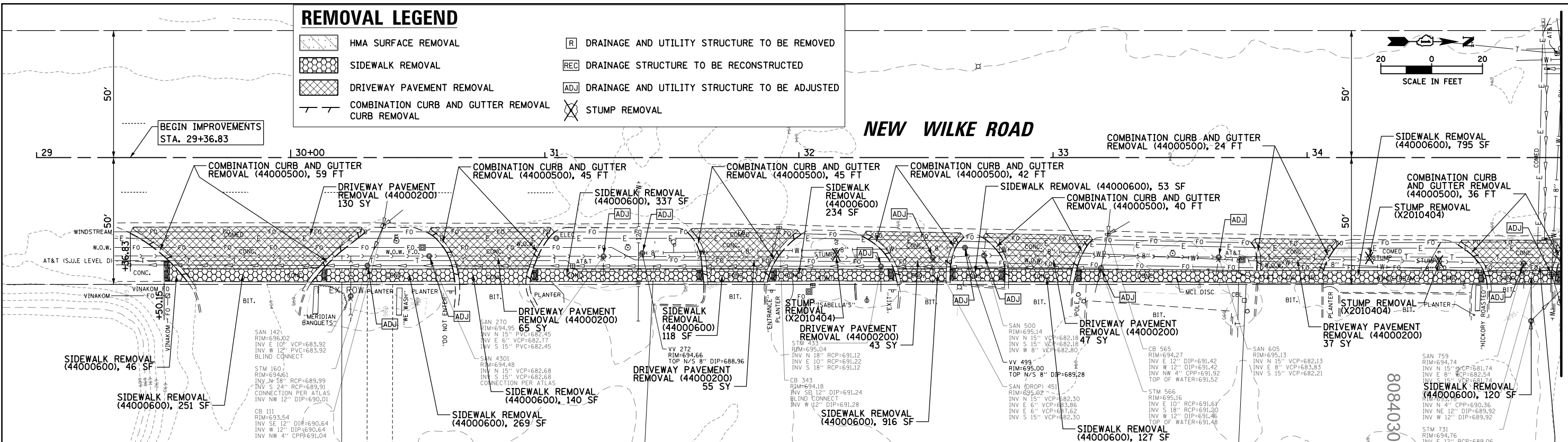
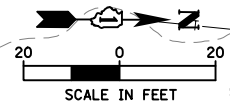
REMOVAL LEGEND	
	HMA SURFACE REMOVAL
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
	DRAINAGE STRUCTURE TO BE RECONSTRUCTED
	DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
	STUMP REMOVAL



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\2002\980361BR246.dgn	USER NAME = amissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) REMOVAL PLAN	F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 24		
PLOT SCALE = 48"	CHECKED -	REVISED -	SCALE: 1" = 20'			SHEET 2	OF 4 SHEETS	STA. 21+00	TO STA. 27+00	CONTRACT NO. 61K07		
PLOT DATE = 11/6/2024	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									

REMOVAL LEGEND

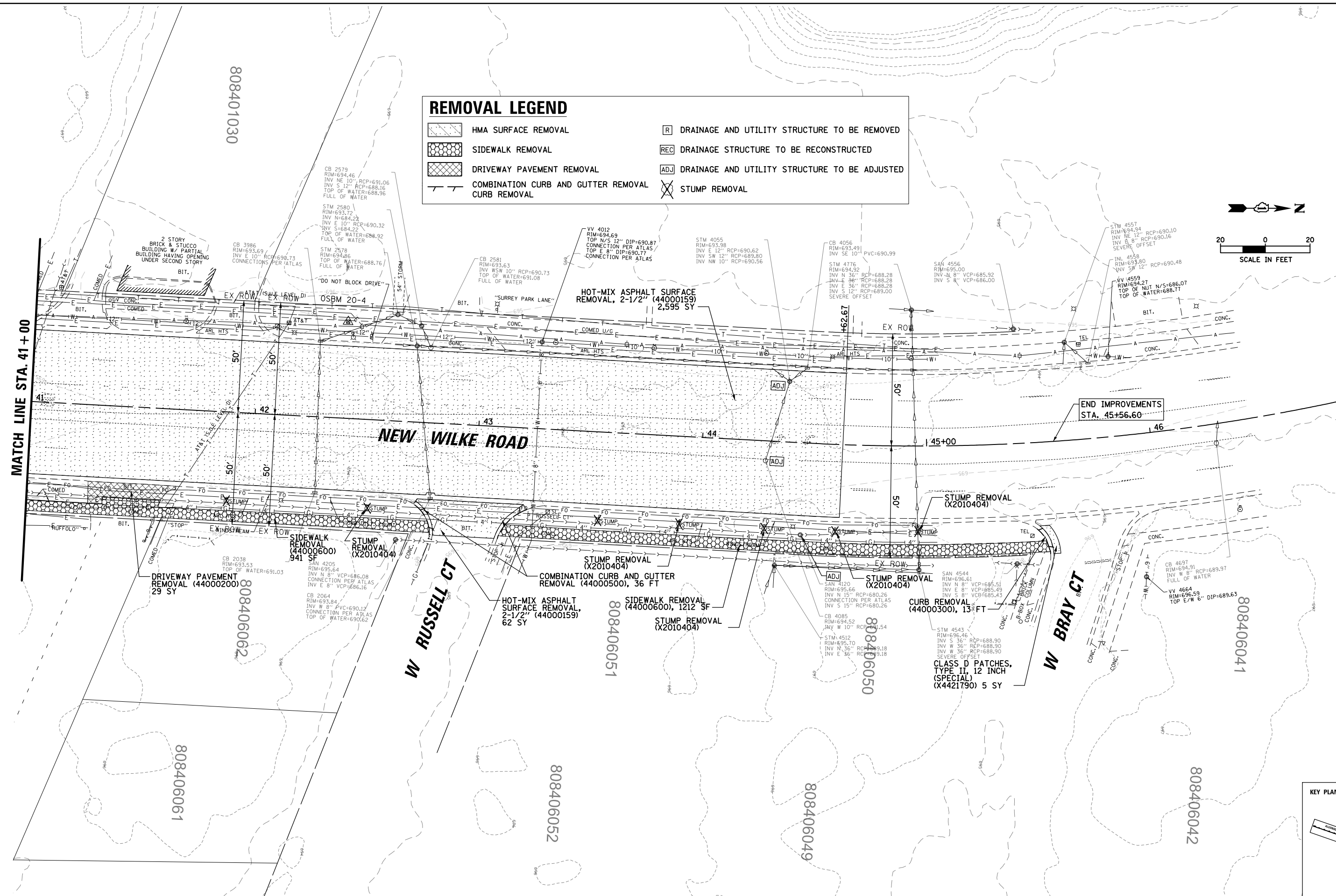
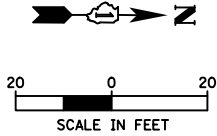
- HMA SURFACE REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
- DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
- STUMP REMOVAL



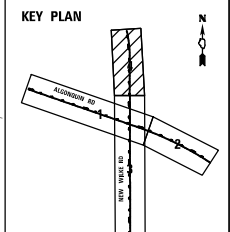
FILE NAME - N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\REM3_980361BR246.dgn MODEL NAME -	USER NAME - amissick PLOT SCALE - 48" PLOT DATE - 11/6/2024	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
NEW WILKE ROAD REMOVAL PLAN		SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. 29+00 TO STA. 41+00	F.A.P. RTE. 0339 SECTION SN 20-00124-00-CH COUNTY COOK TOTAL SHEETS 153 SHEET NO. 25 CONTRACT NO. 61K07 ILLINOIS FED. AID PROJECT

REMOVAL LEGEND

	HMA SURFACE REMOVAL		DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
	SIDEWALK REMOVAL		DRAINAGE STRUCTURE TO BE RECONSTRUCTED
	DRIVEWAY PAVEMENT REMOVAL		DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
	COMBINATION CURB AND GUTTER REMOVAL		STUMP REMOVAL
	CURB REMOVAL		

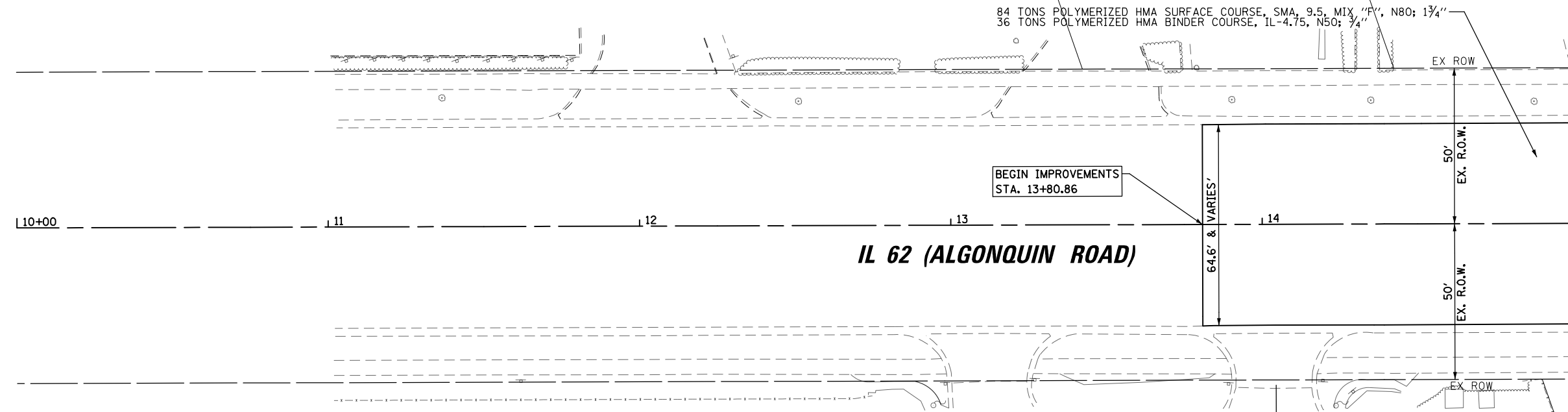
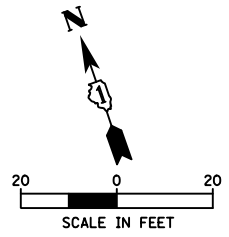


FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246.dgn	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD REMOVAL PLAN			F.A.P. R.T.E. = 0339	SECTION = SN 20-00124-00-CH	COUNTY = COOK	TOTAL SHEETS = 153	SHEET NO. = 26
MODELNAME =	PLOT SCALE = 48"	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET 4	OF 4 SHEETS	STA. 41+00	TO STA. END	CONTRACT NO. 61K07		
	PLOT DATE = 11/6/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	

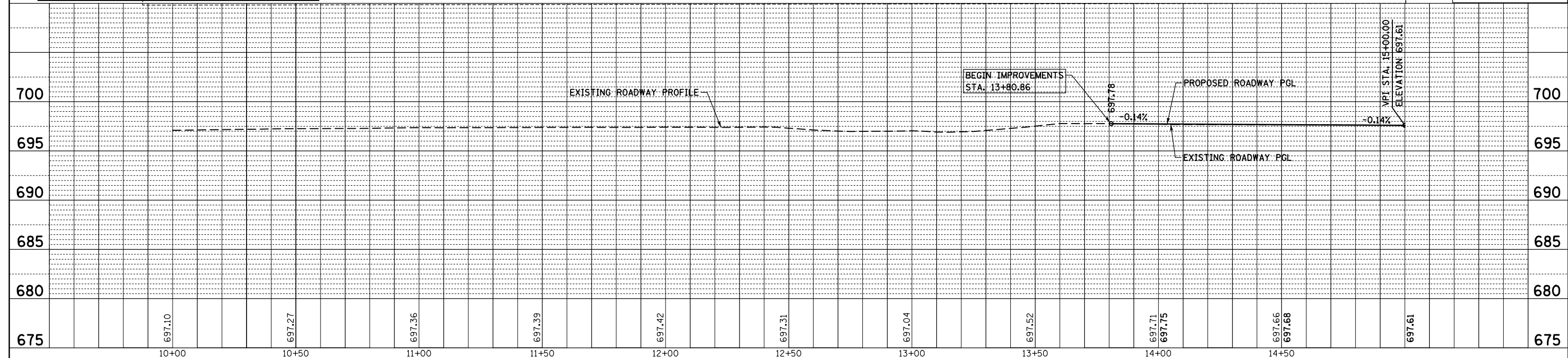
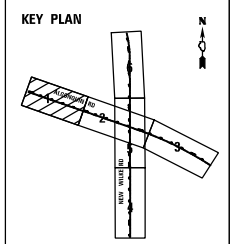
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	



MATCH LINE STA. 15 + 00

PROPOSED LEGEND

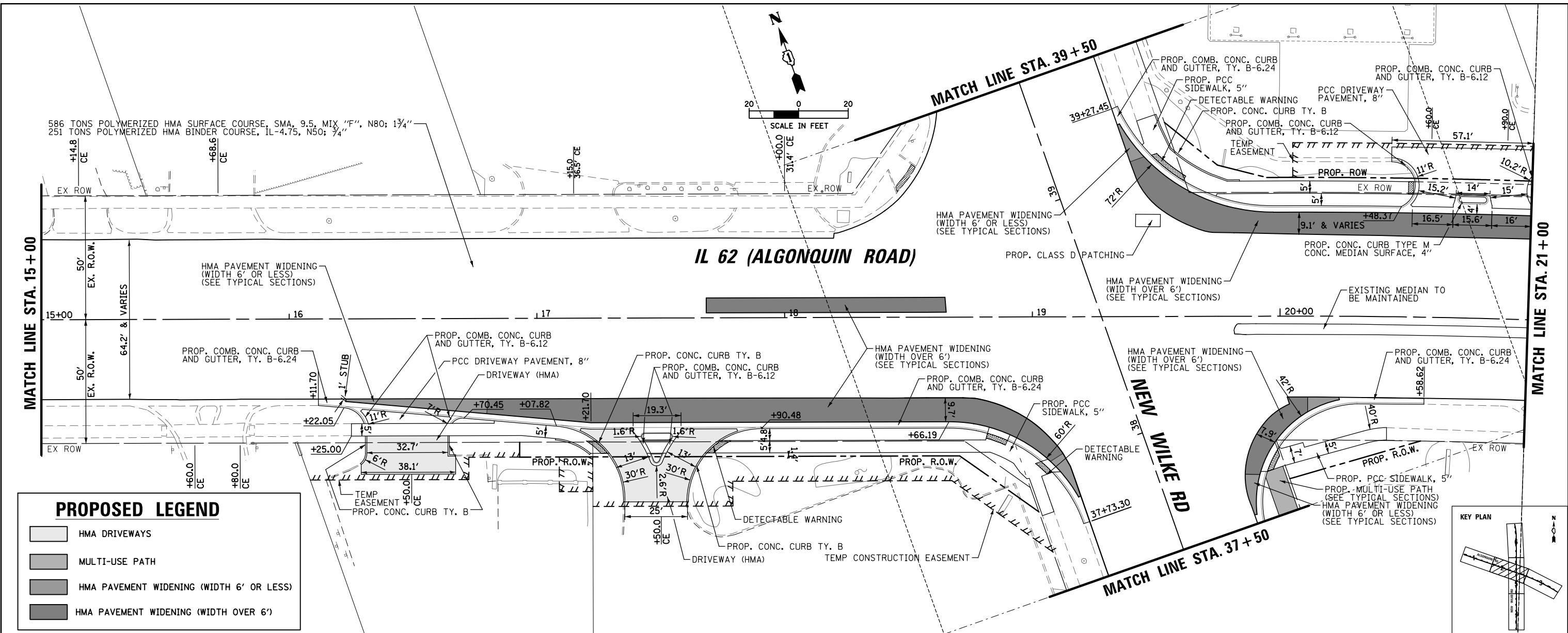
- HMA DRIVEWAYS
- MULTI-USE PATH
- HMA PAVEMENT WIDENING (WIDTH 6' OR LESS)
- HMA PAVEMENT WIDENING (WIDTH OVER 6')



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 62 (ALGONQUIN RD) ROADWAY PLAN AND PROFILE	F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 27	
	N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Civil1\RPP1_980361BR246.dgn	DRAWN -	REVISED -			SCALE: 1"=20'H/5'V SHEET 1 OF 6 SHEETS STA. 10+00 TO STA. 15+00					
	PLOT SCALE = 48"	CHECKED -	REVISED -			CONTRACT NO. 61K07					
	DATE = 11/6/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

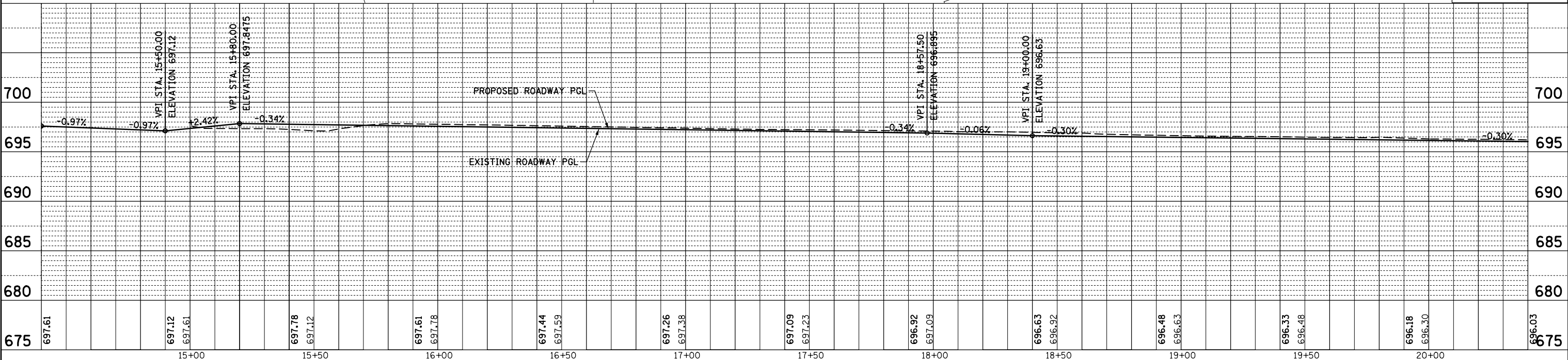
DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	NO. 1
	NO. 2
	NO. 3
	NO. 4
	NO. 5
	NO. 6
	NO. 7
	NO. 8
	NO. 9
	NO. 10

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. 1
	NO. 2
	NO. 3
	NO. 4
	NO. 5
	NO. 6
	NO. 7
	NO. 8
	NO. 9
	NO. 10



PROPOSED LEGEND

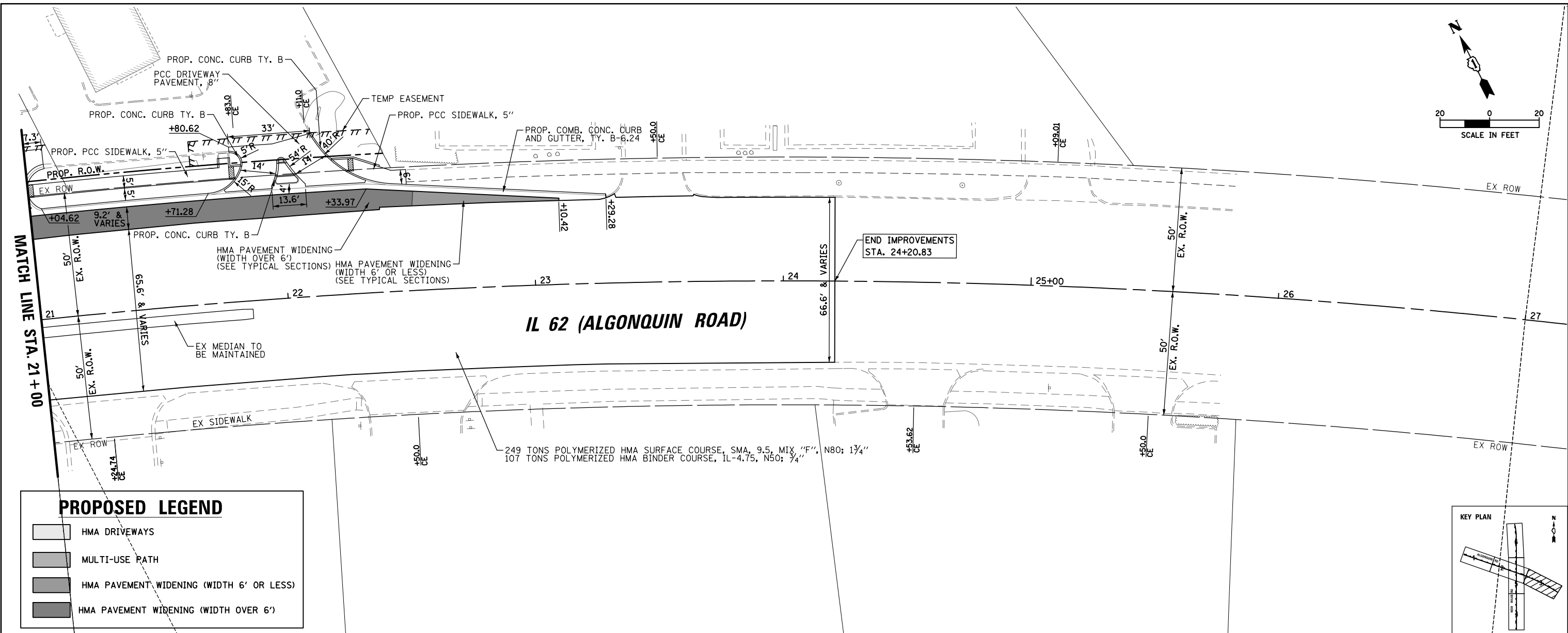
- HMA DRIVEWAYS
- MULTI-USE PATH
- HMA PAVEMENT WIDENING (WIDTH 6' OR LESS)
- HMA PAVEMENT WIDENING (WIDTH OVER 6')



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				IL 62 (ALGONQUIN RD) ROADWAY PLAN AND PROFILE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Civil1\PPP2_980361BR246.dgn	PLOT SCALE = 48"	CHECKED -	REVISED -									0339	SN 20-00124-00-CH	COOK	153	28		
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE -	REVISED -									SCALE: 1"=20'H±5'V SHEET 2 OF 6 SHEETS STA. 15+00 TO STA. 21+00				CONTRACT NO. 61K07		
												ILLINOIS FED. AID PROJECT						

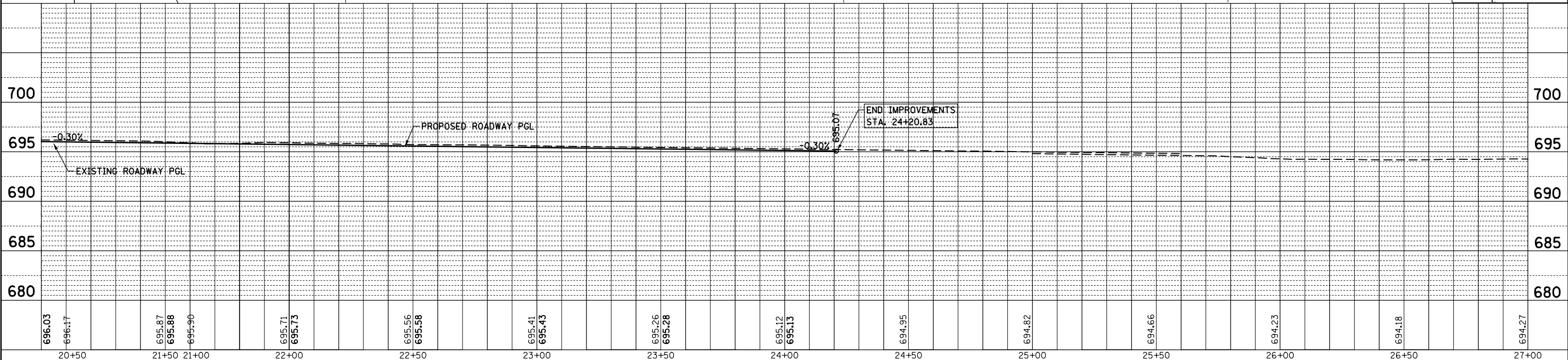
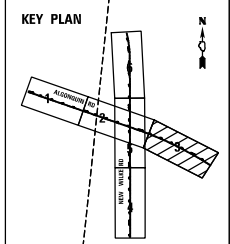
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHP	
	NO.	



PROPOSED LEGEND

- HMA DRIVEWAYS
- MULTI-USE PATH
- HMA PAVEMENT WIDENING (WIDTH 6' OR LESS)
- HMA PAVEMENT WIDENING (WIDTH OVER 6')



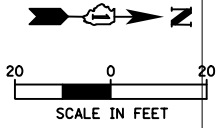
FILE NAME =	USER NAME = amissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Civil1\PPP3_980361BR246.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
#MODELNAME#	PLOT DATE = 11/6/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 62 (ALGONQUIN RD)
ROADWAY PLAN AND PROFILE**

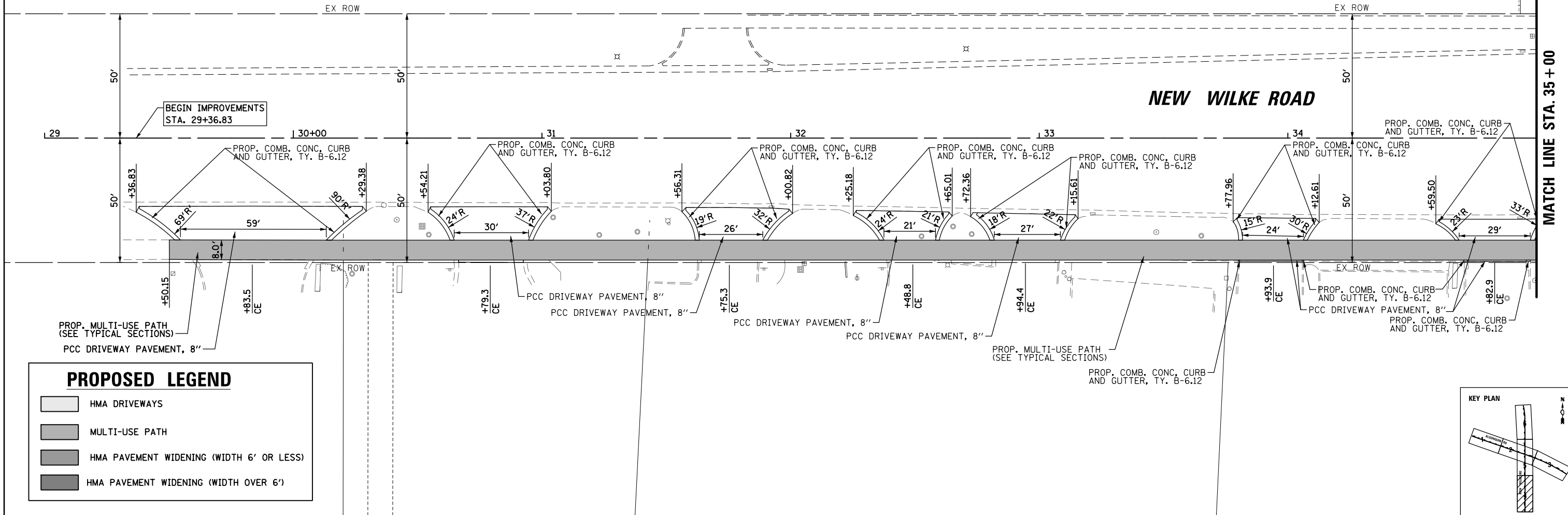
SCALE: 1"=20'H/5'V SHEET 3 OF 6 SHEETS STA. 21+00 TO STA. 27+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	29
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



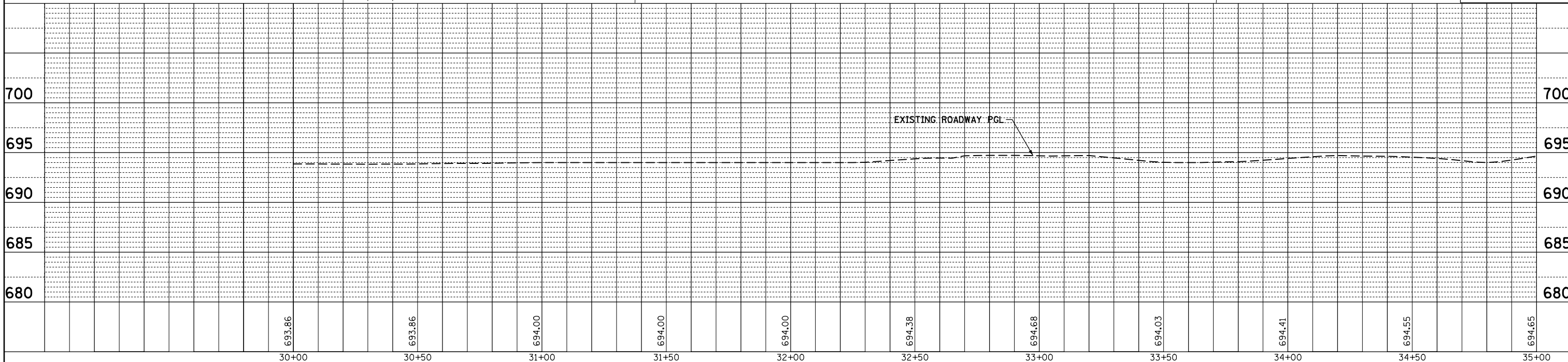
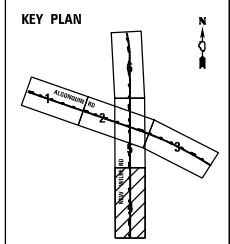
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	ROAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	ROAD FILE NAME		
	NO.		

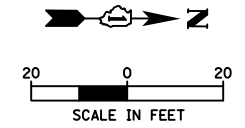


PROPOSED LEGEND

- HMA DRIVEWAYS
- MULTI-USE PATH
- HMA PAVEMENT WIDENING (WIDTH 6' OR LESS)
- HMA PAVEMENT WIDENING (WIDTH OVER 6')

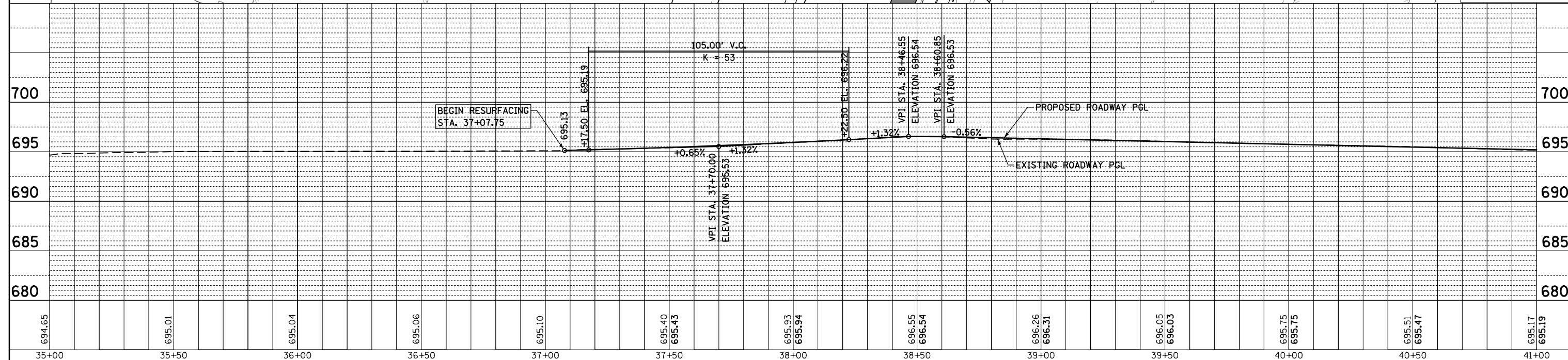
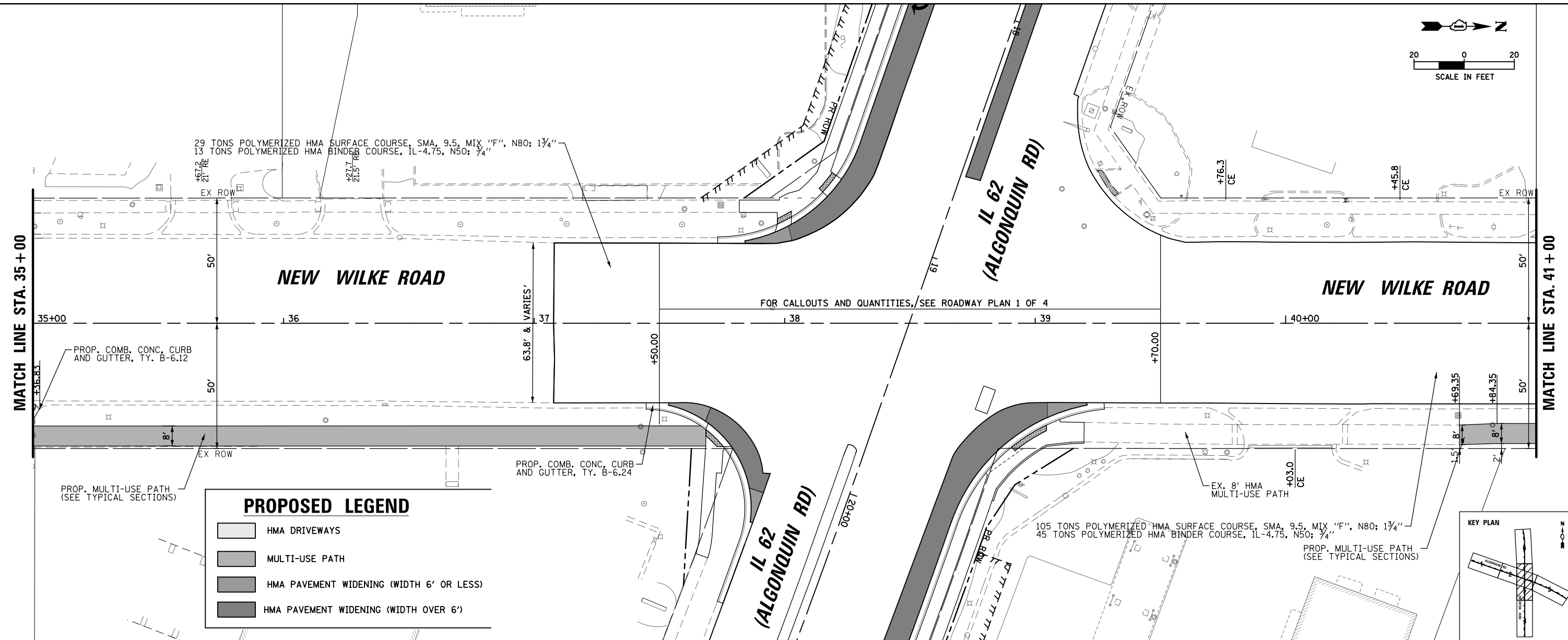


FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE RD ROADWAY PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Civil\PP4_980361BR246.dgn	PLLOT SCALE = 48"	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	30	
MODELNAME*	PLLOT DATE = 11/6/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	FILE NAME	

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



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\98200\98381BR246\Civil\PPP5_980361BR246.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
MODELNAME =	PLOT DATE = 11/6/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NEW WILKE RD
ROADWAY PLAN AND PROFILE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	31
CONTRACT NO. 61K07				

SCALE: 1"=20'H/5'V SHEET 5 OF 6 SHEETS STA. 35+00 TO STA. 41+00

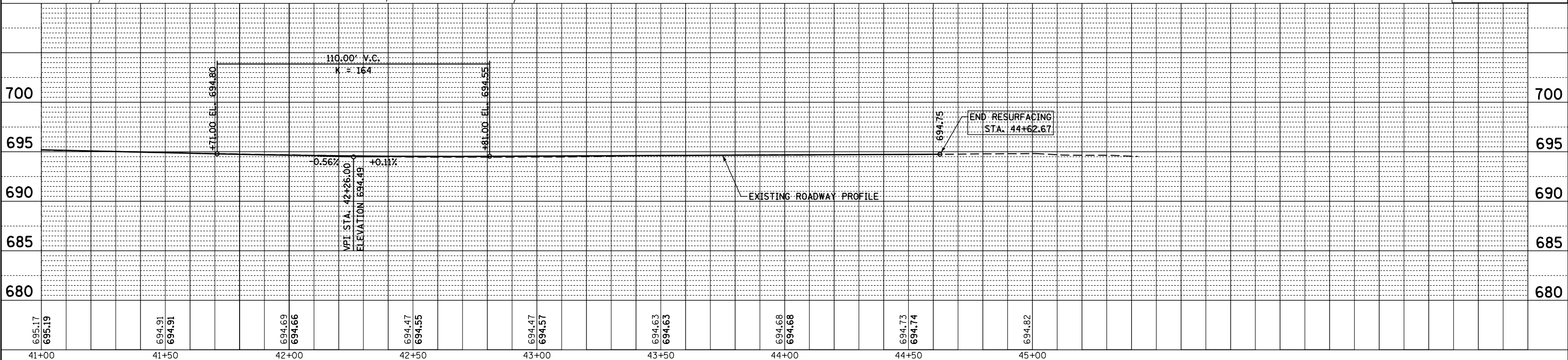
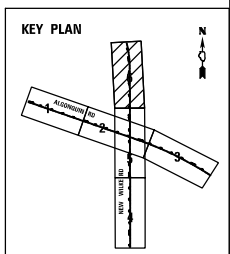
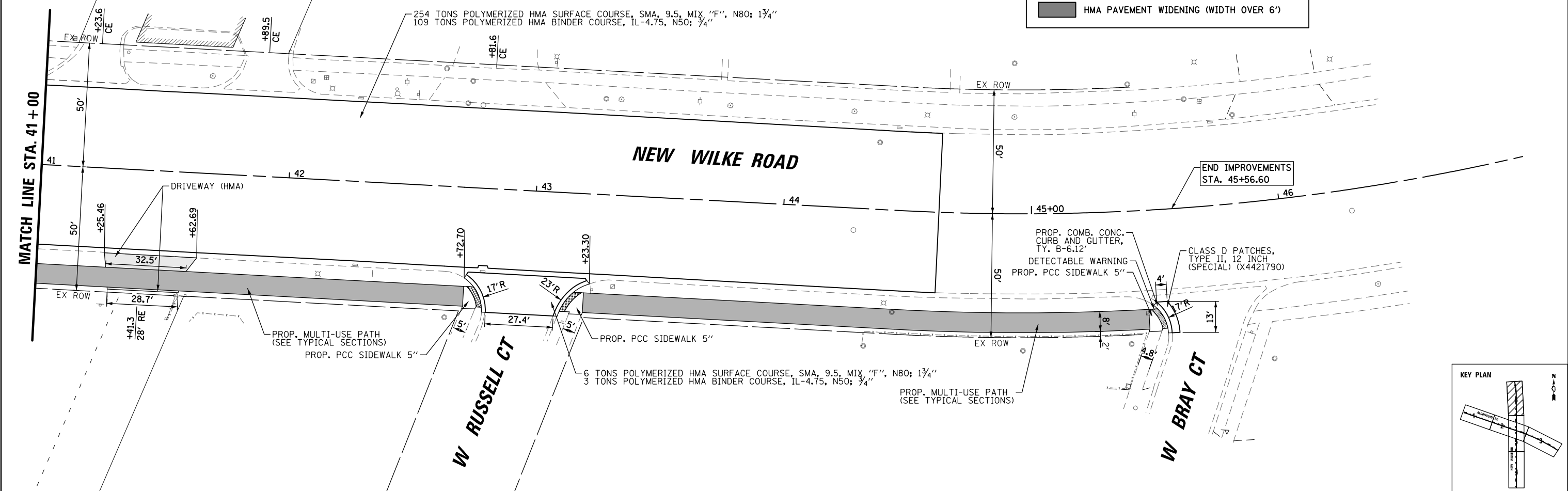
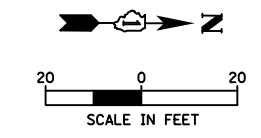
ILLINOIS FED. AID PROJECT

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

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

PROPOSED LEGEND

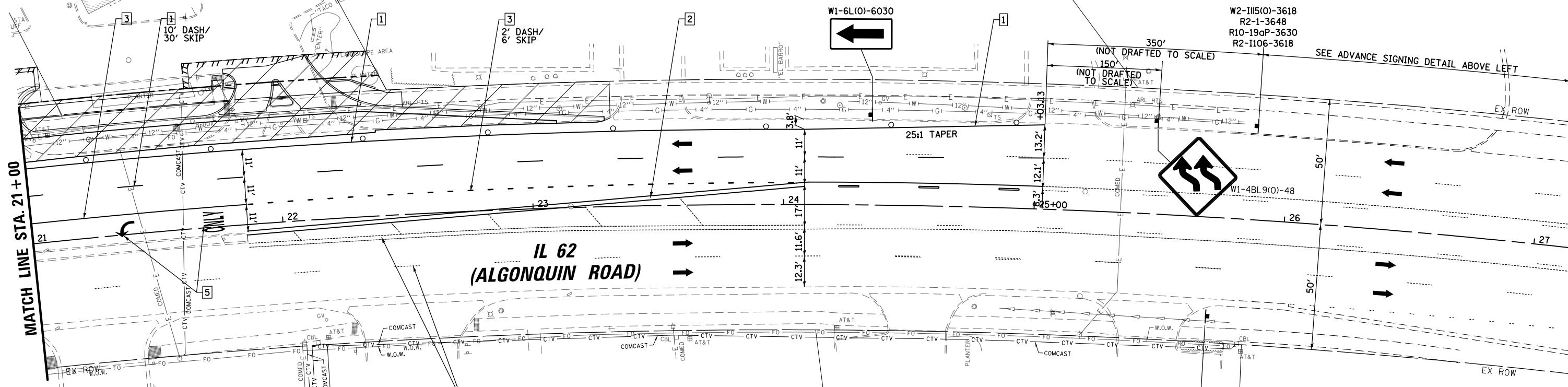
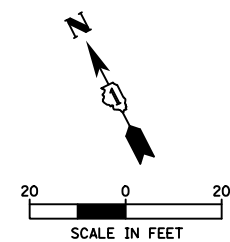
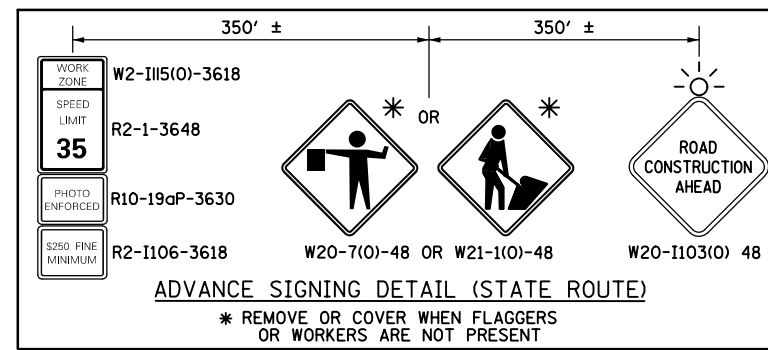
- HMA DRIVEWAYS
- MULTI-USE PATH
- HMA PAVEMENT WIDENING (WIDTH 6' OR LESS)
- HMA PAVEMENT WIDENING (WIDTH OVER 6')



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE RD ROADWAY PLAN AND PROFILE	F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 32	
	PLT SCALE = 48"	CHECKED -	REVISED -			CONTRACT NO. 61K07					
	DATE = 11/6/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE: 1"=20'H/5'V SHEET 6 OF 6 SHEETS STA. 41+00 TO STA. 45+56.60					

808401063

808401065

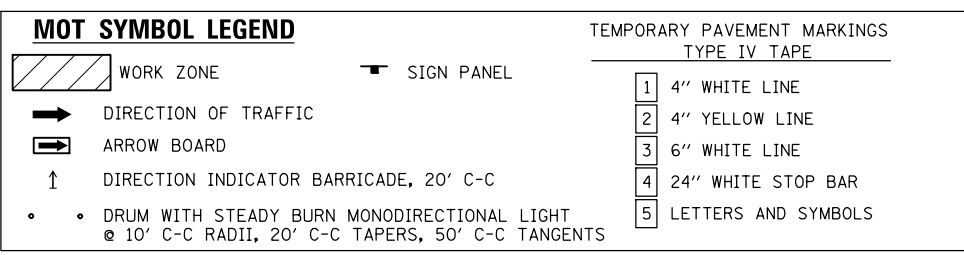


MATCH LINE STA. 21+00

IL 62 (ALGONQUIN ROAD)

EXISTING PAVEMENT MARKINGS (TYP)

END WORK ZONE SPEED LIMIT
G20-II03 - 6036

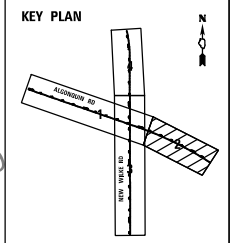


808403005

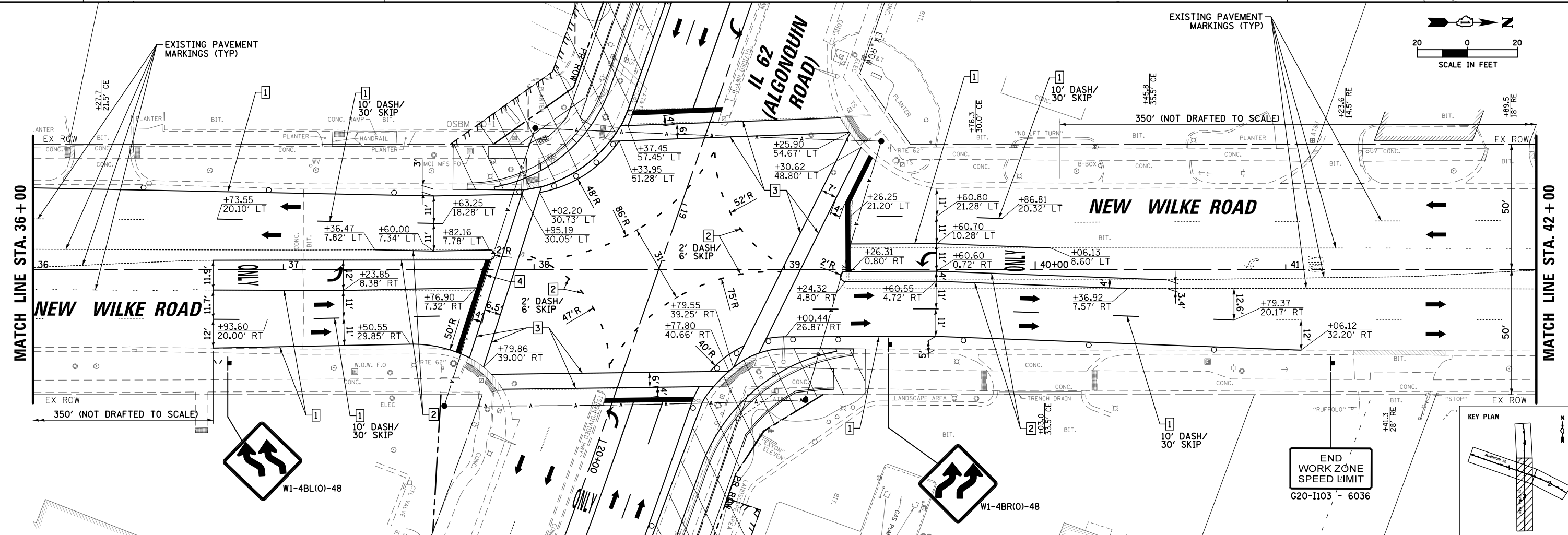
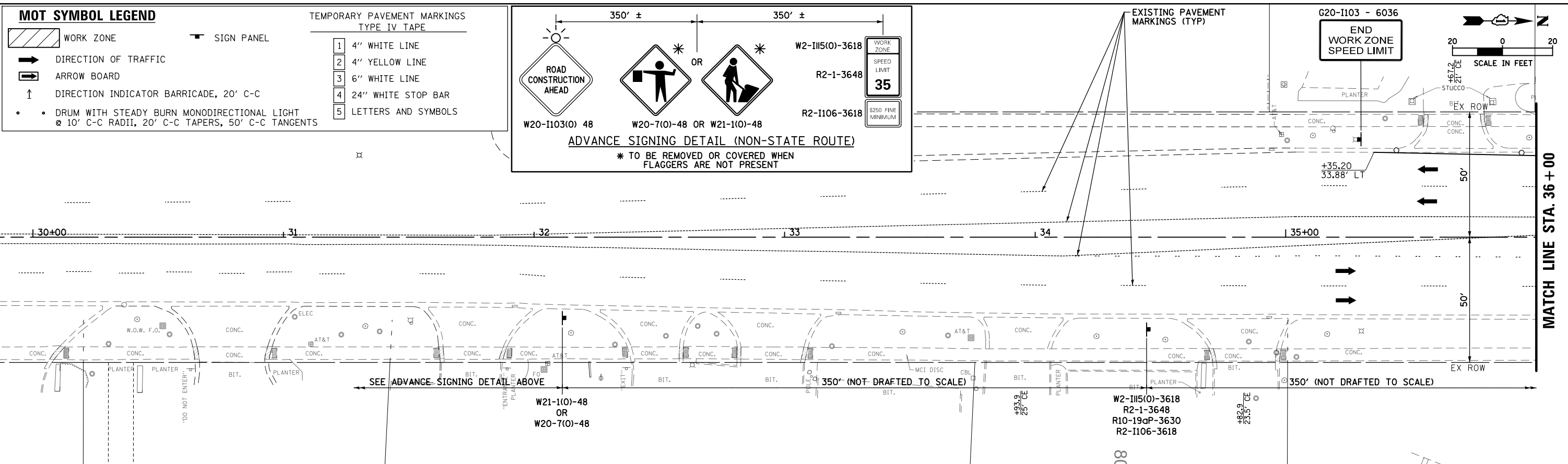
808403008

808403009

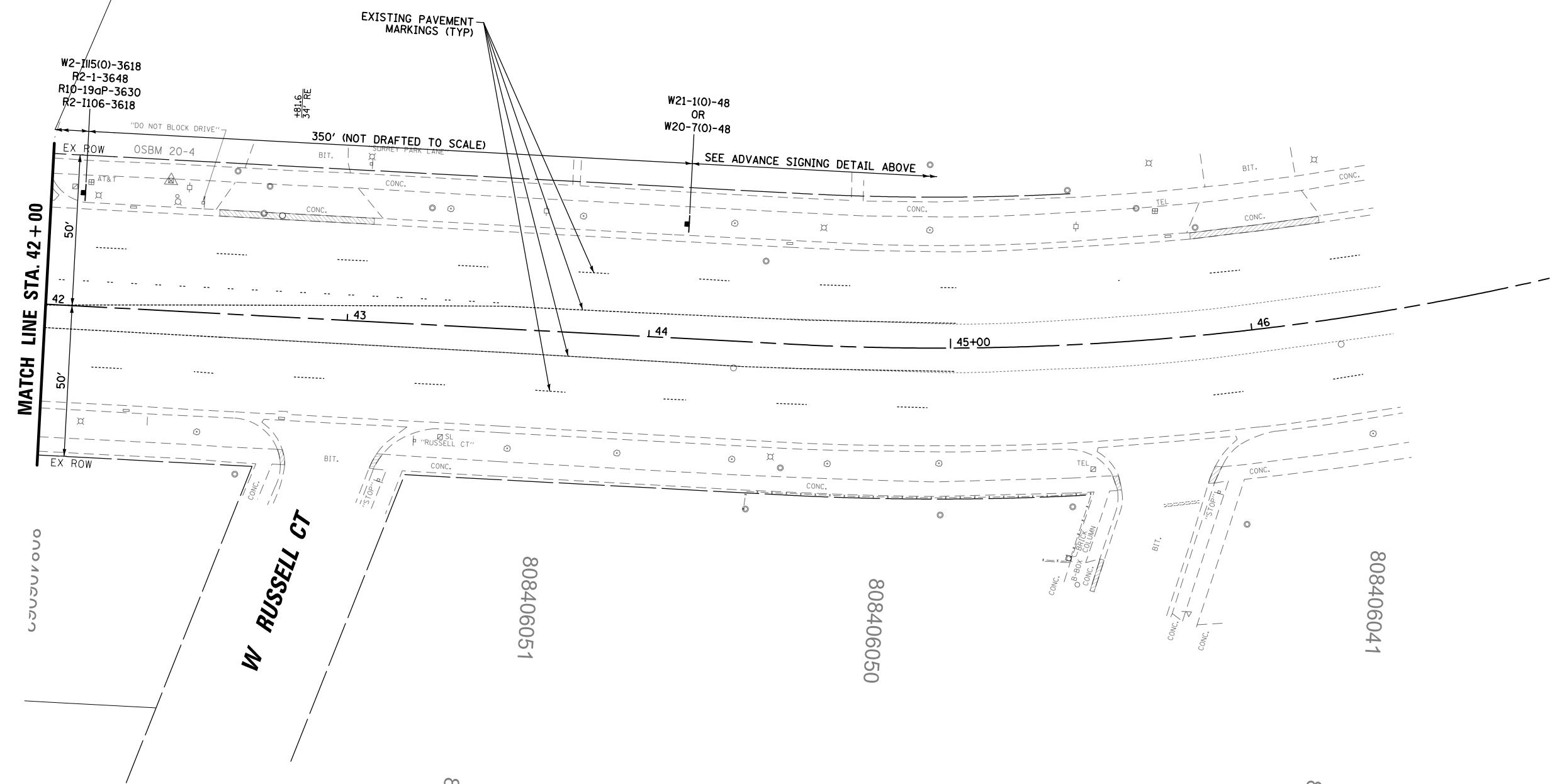
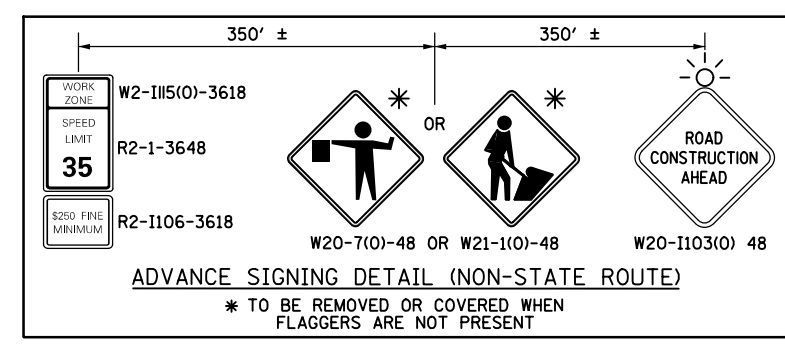
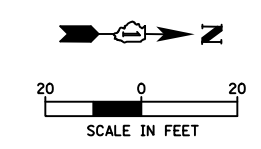
808403029



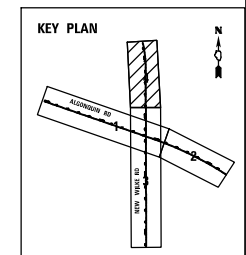
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) MAINTENANCE OF TRAFFIC STAGE 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\MOT1.980361BR246.02.dgn		DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	34	
MODELNAME	PLOT DATE = 11/6/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\200's\980361BR246\Civil\MOTL\980361BR246_03.dgn	USER NAME = amissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD MAINTENANCE OF TRAFFIC STAGE 1			F.A.P. R.T.E. = 0339	SECTION = SN 20-00124-00-CH	COUNTY = COOK	TOTAL SHEETS = 153	SHEET NO. = 35
\$MODELNAME\$	PLOT SCALE = 48"	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA. 30+00	TO STA. 42+00	CONTRACT NO. 61K07	
	PLOT DATE = 11/6/2024	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									



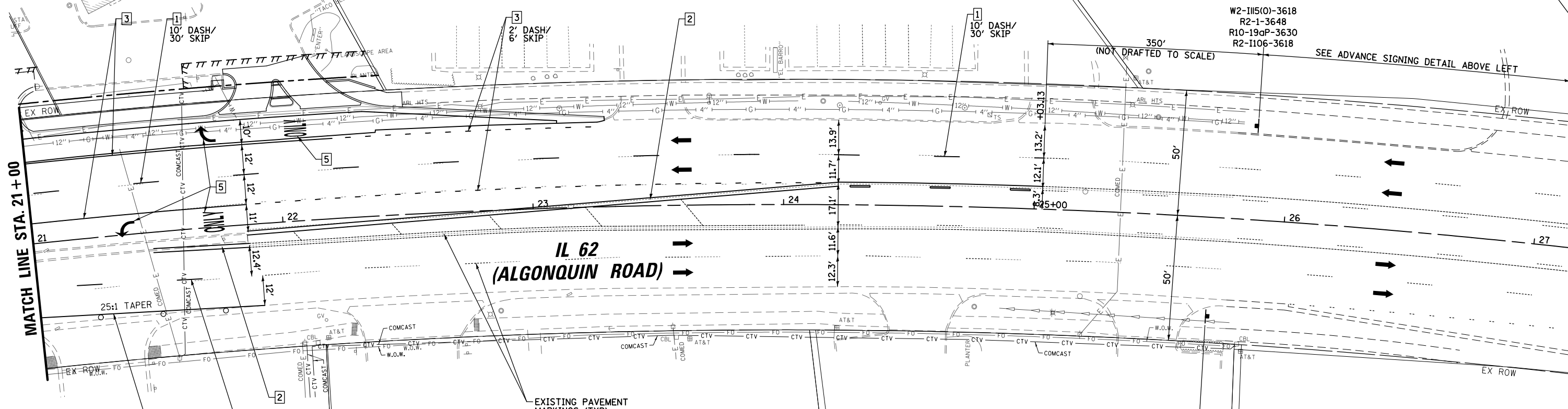
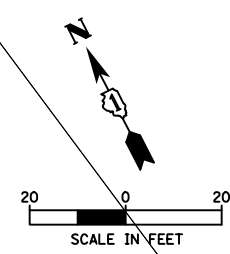
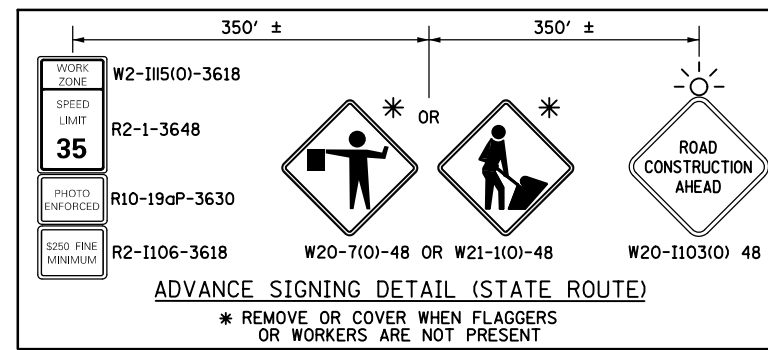
MOT SYMBOL LEGEND		TEMPORARY PAVEMENT MARKINGS TYPE IV TAPE	
	WORK ZONE		SIGN PANEL
	DIRECTION OF TRAFFIC		1 4" WHITE LINE
	ARROW BOARD		2 4" YELLOW LINE
	DIRECTION INDICATOR BARRICADE, 20' C-C		3 6" WHITE LINE
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT		4 24" WHITE STOP BAR
	10' C-C RADII, 20' C-C TAPERS, 50' C-C TANGENTS		5 LETTERS AND SYMBOLS



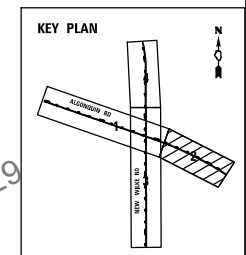
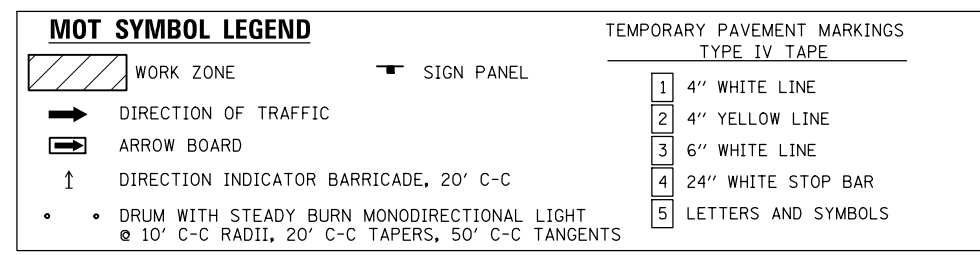
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD MAINTENANCE OF TRAFFIC STAGE 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\MOT1\980361BR246_04.dgn	PLLOT SCALE = 48"	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	36	
MODELNAME	PLLOT DATE = 11/6/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			SCALE: 1" = 20'	SHEET OF SHEETS	STA. 42+00	TO STA. END	ILLINOIS FED. AID PROJECT	

808401063

808401065



END WORK ZONE SPEED LIMIT
 G20-II03 - 3036



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200\980361BR246\Civil\MOTIA_980361BR246_02.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48"	CHECKED -	REVISED -
MODELNAME	PLOT DATE = 11/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
 MAINTENANCE OF TRAFFIC STAGE 1A**

SCALE: 1" = 20' SHEET OF SHEETS STA. 21+00 TO STA. 27+00

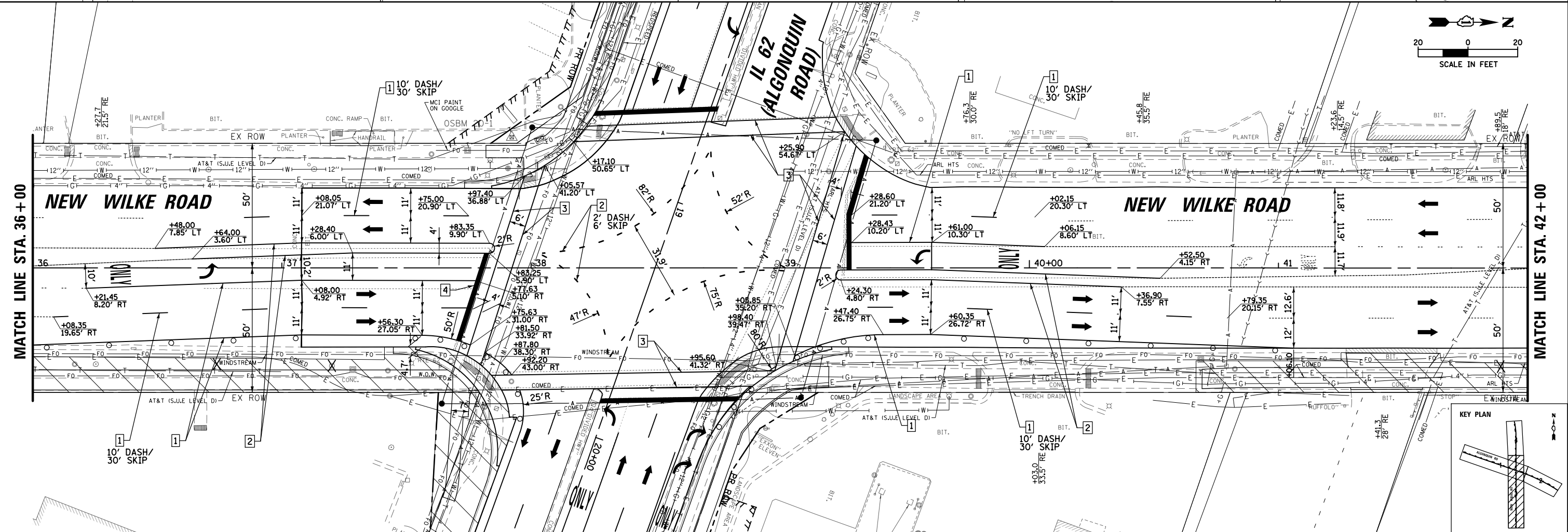
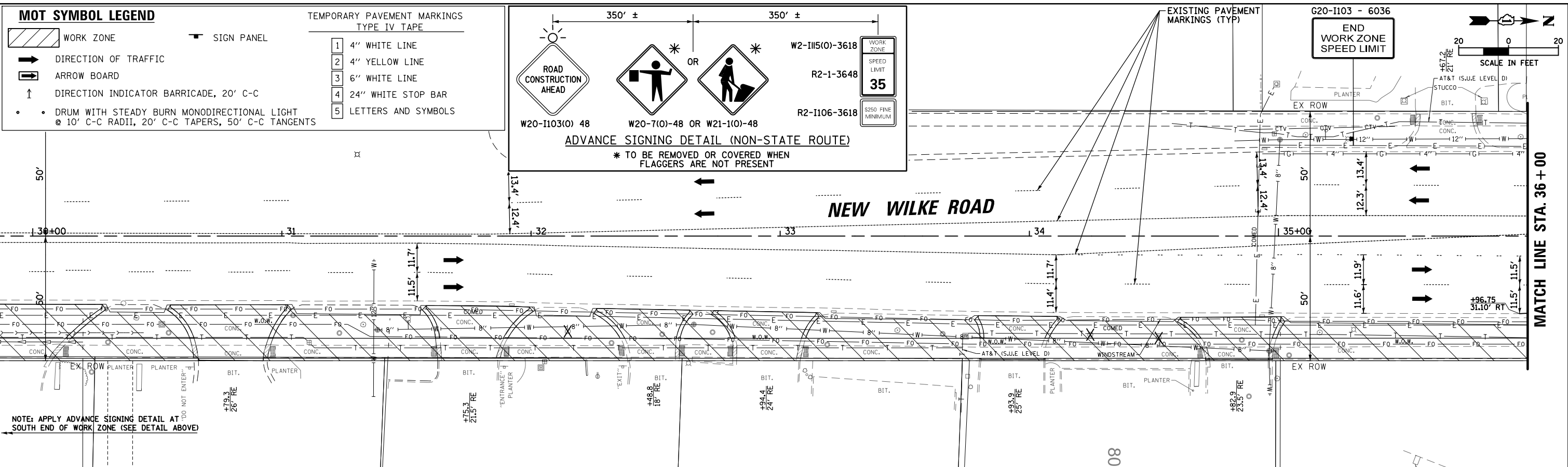
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	38
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

808403005

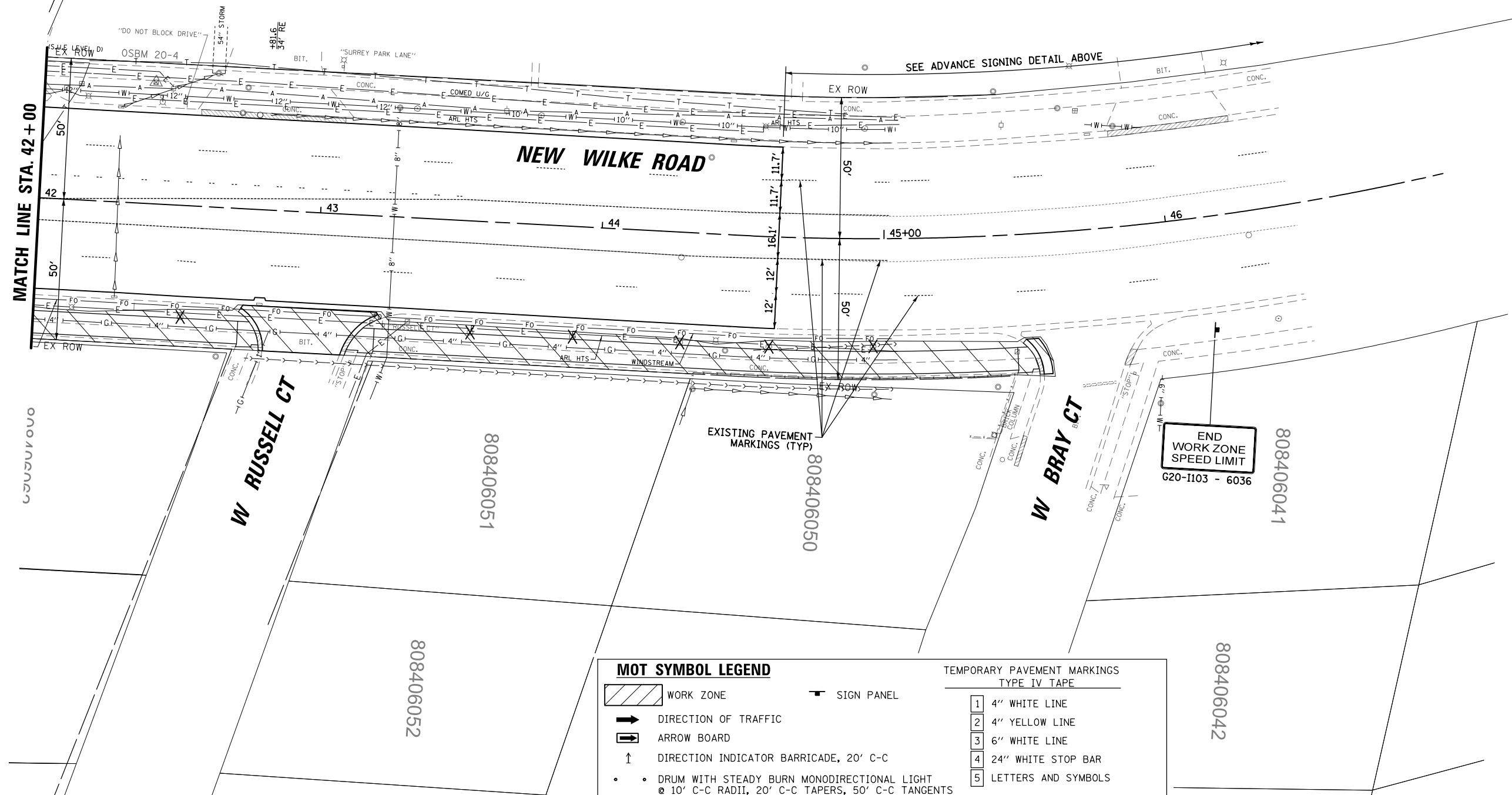
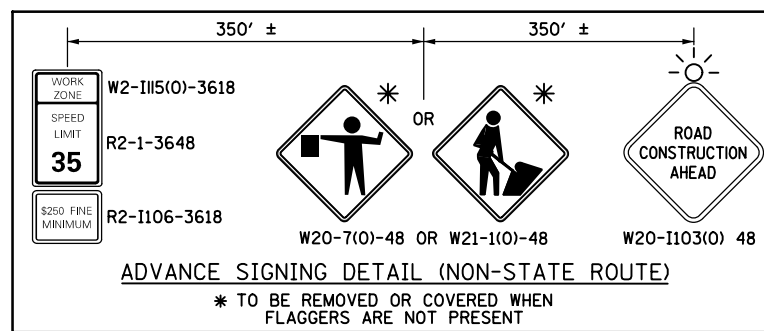
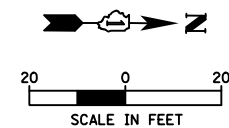
808403008

808403009

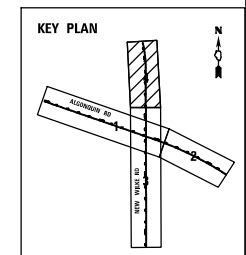
808403029



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD MAINTENANCE OF TRAFFIC STAGE 1A			F.A.P. R.T.E. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\MOT1A_980361BR246_03.dgn		DRAWN -	REVISED -		0339	SN 20-00124-00-CH	COOK	153	39			
#MODELNAME#	PLOT SCALE = 48"	CHECKED -	REVISED -		SCALE: 1" = 20'			CONTRACT NO. 61K07				
	PLOT DATE = 11/6/2024	DATE -	REVISED -		SHEET OF SHEETS STA. 30+00 TO STA. 42+00			ILLINOIS FED. AID PROJECT				



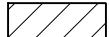



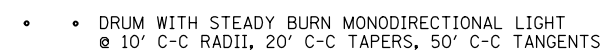
MOT SYMBOL LEGEND		TEMPORARY PAVEMENT MARKINGS TYPE IV TAPE	
	WORK ZONE	1	4" WHITE LINE
	DIRECTION OF TRAFFIC	2	4" YELLOW LINE
	ARROW BOARD	3	6" WHITE LINE
	DIRECTION INDICATOR BARRICADE, 20' C-C	4	24" WHITE STOP BAR
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT ⊙ 10' C-C RADII, 20' C-C TAPERS, 50' C-C TANGENTS	5	LETTERS AND SYMBOLS
	SIGN PANEL		



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD MAINTENANCE OF TRAFFIC STAGE 1A	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\MOT1A_980361BR246_04.dgn	PLOT SCALE = 48"	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	40	
MODELNAME	PLOT DATE = 11/6/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			SCALE: 1" = 20'	SHEET OF SHEETS	STA. 42+00	TO STA. END		

ILLINOIS FED. AID PROJECT

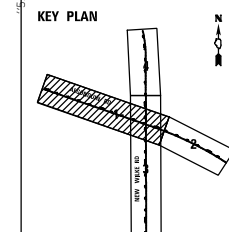
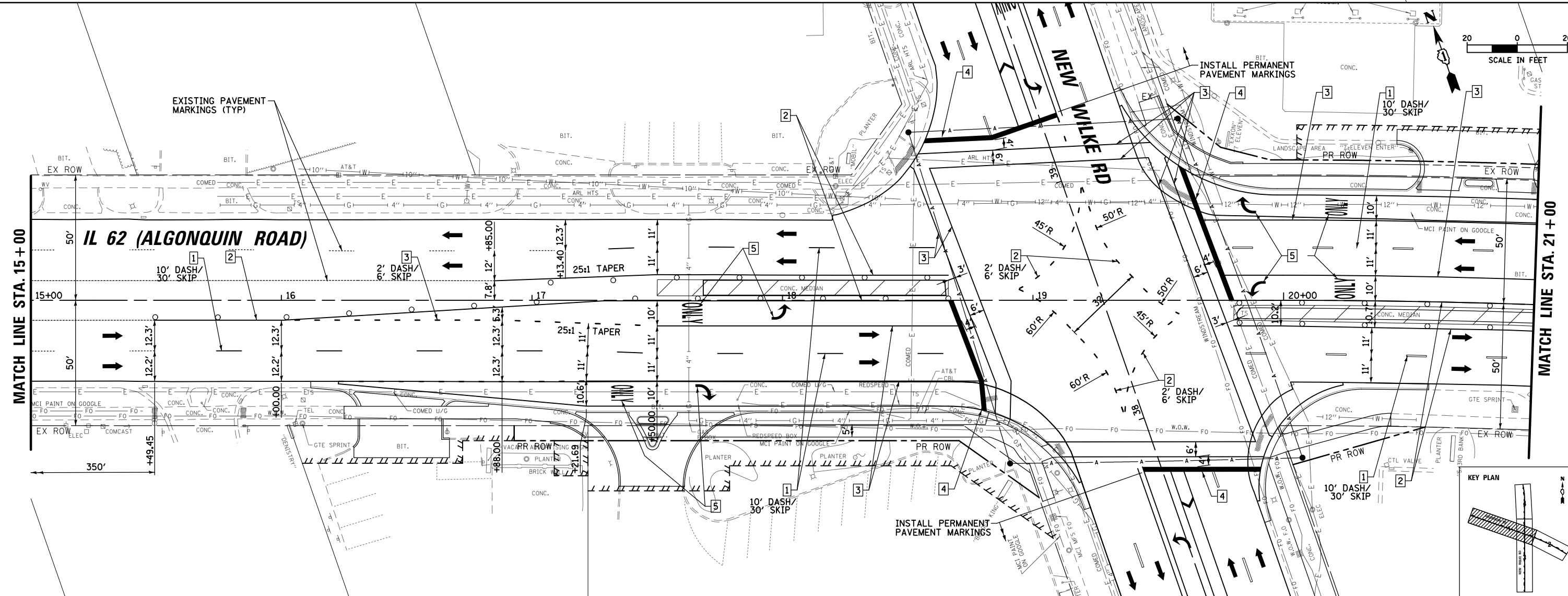
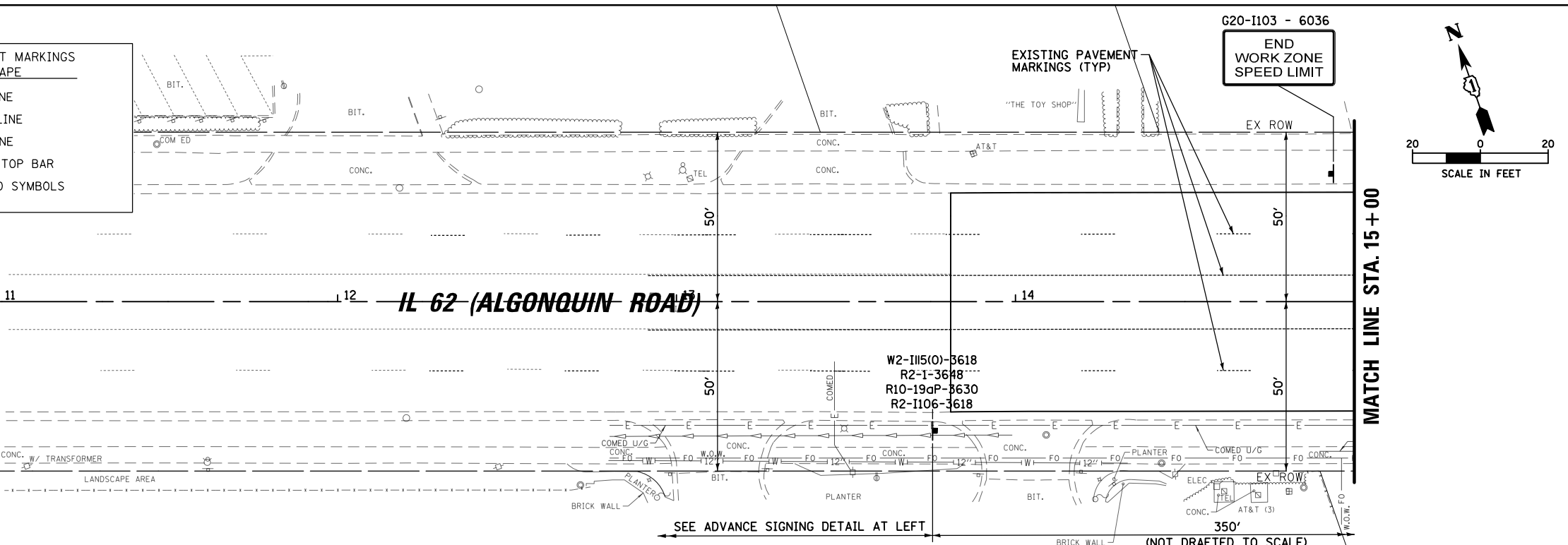
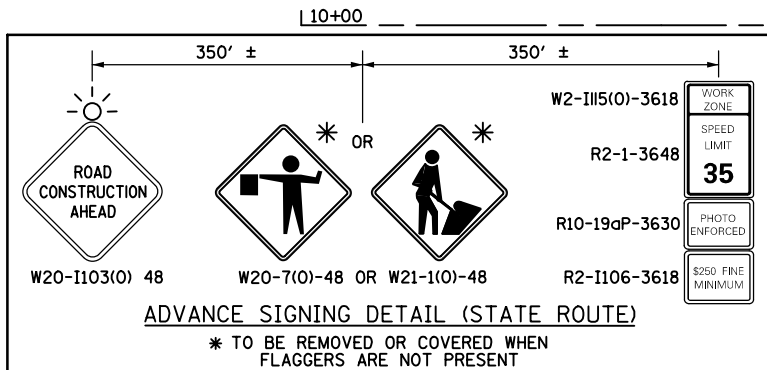
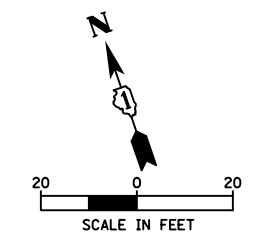
MOT SYMBOL LEGEND

-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  ARROW BOARD
-  DIRECTION INDICATOR BARRICADE, 20' C-C
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
 - 10' C-C RADII, 20' C-C TAPERS, 50' C-C TANGENTS

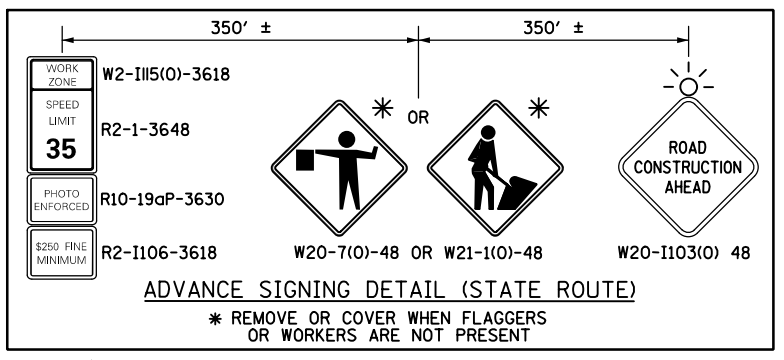
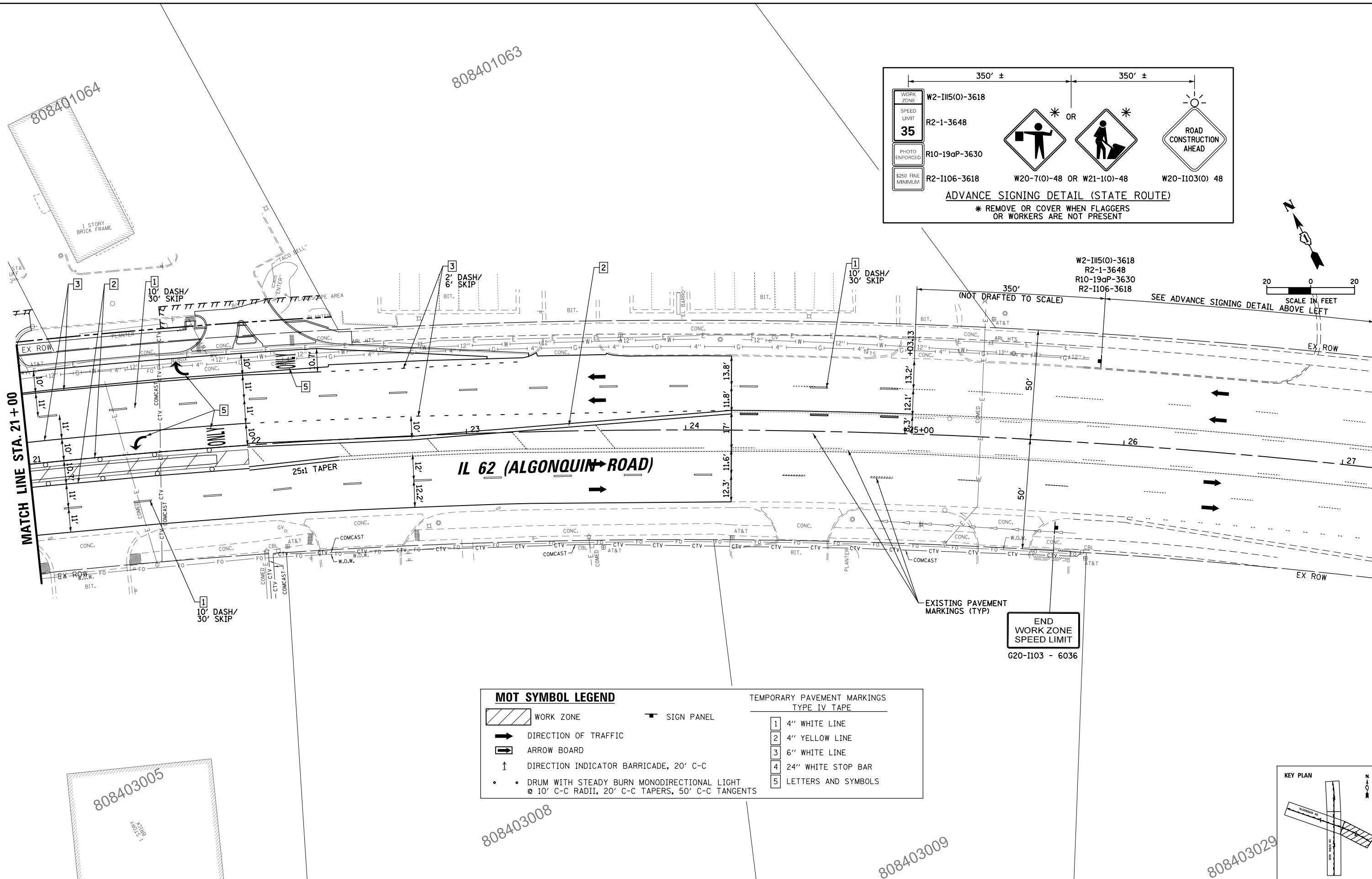
**TEMPORARY PAVEMENT MARKINGS
TYPE IV TAPE**

- 1 4" WHITE LINE
- 2 4" YELLOW LINE
- 3 6" WHITE LINE
- 4 24" WHITE STOP BAR
- 5 LETTERS AND SYMBOLS

G20-1103 - 6036
END
WORK ZONE
SPEED LIMIT

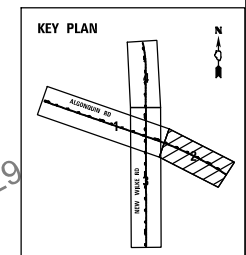


FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) MAINTENANCE OF TRAFFIC STAGE 2	F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 41	
MODELNAME#	PLLOT SCALE = 48"	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET OF SHEETS	STA. 10+00	TO STA. 21+00	CONTRACT NO. 61K07		
	PLLOT DATE = 11/6/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



MOT SYMBOL LEGEND		TEMPORARY PAVEMENT MARKINGS TYPE IV TAPE	
	WORK ZONE		SIGN PANEL
	DIRECTION OF TRAFFIC		4" WHITE LINE
	ARROW BOARD		4" YELLOW LINE
	DIRECTION INDICATOR BARRICADE, 20' C-C		6" WHITE LINE
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 10' C-C RADII, 20' C-C TAPERS, 50' C-C TANGENTS		24" WHITE STOP BAR
			LETTERS AND SYMBOLS

END WORK ZONE
SPEED LIMIT
G20-II03 - 6036



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) MAINTENANCE OF TRAFFIC STAGE 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\MOT2_980361BR246_02.dgn	PLOT SCALE = 48"	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	42	
MODELNAME	PLOT DATE = 11/6/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

MATCH LINE STA. 21+00

808401063

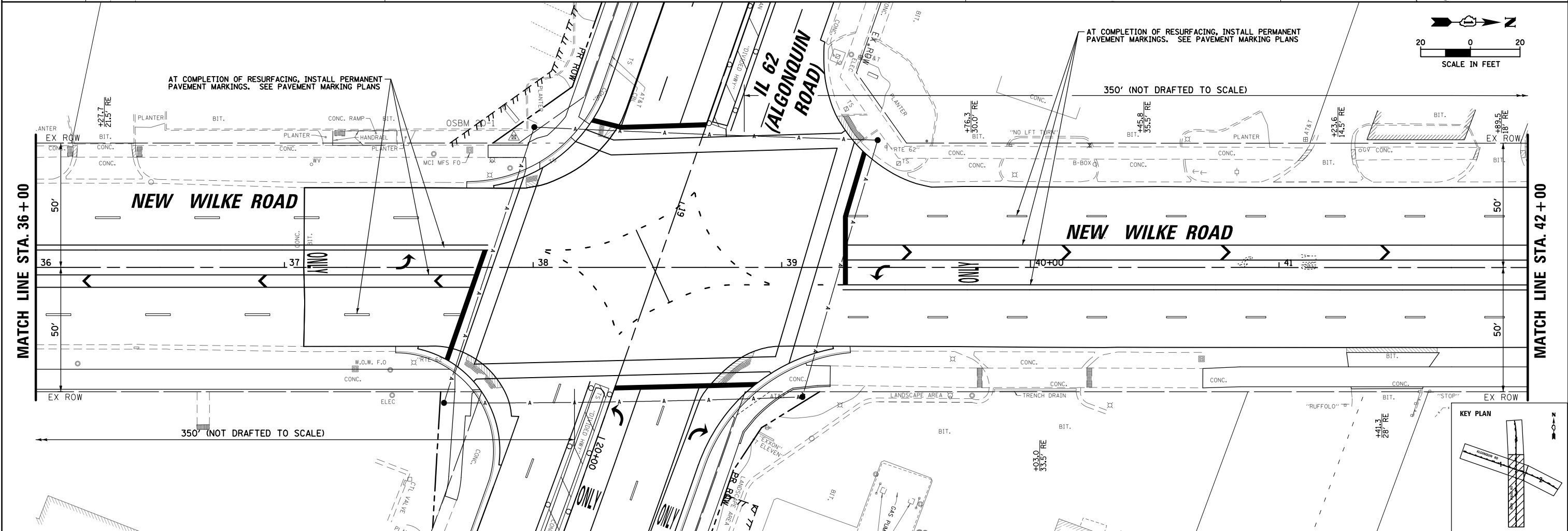
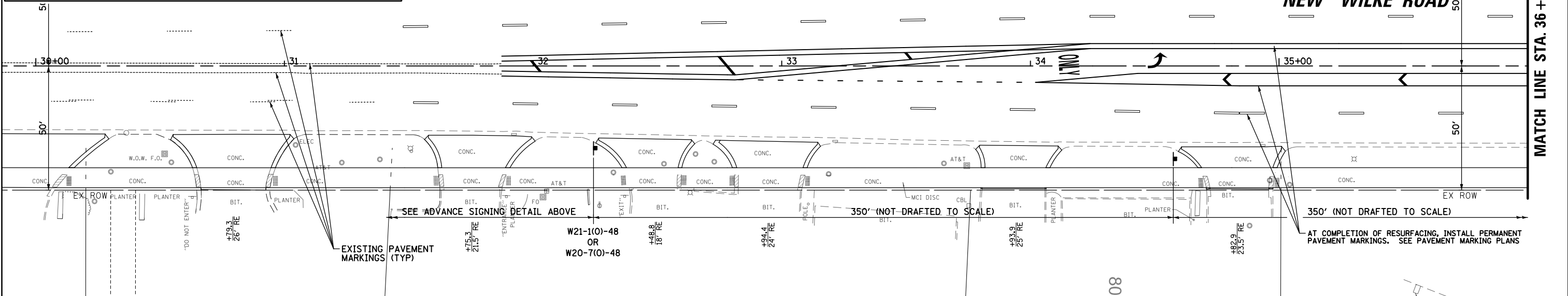
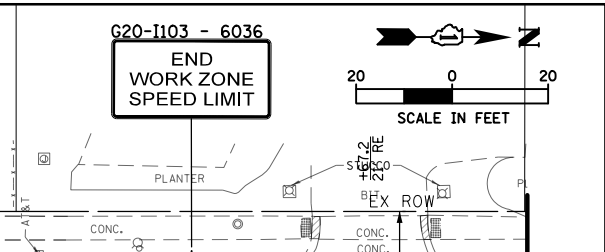
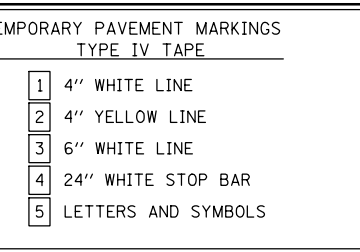
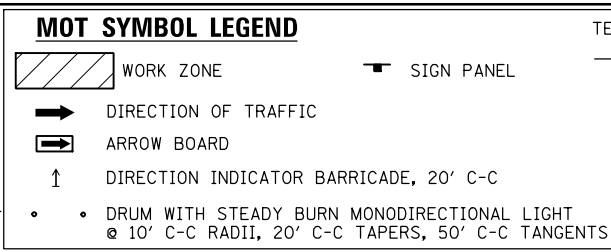
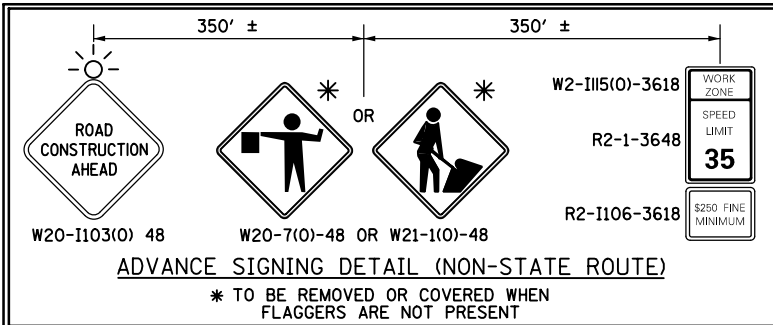
808401064

808403005

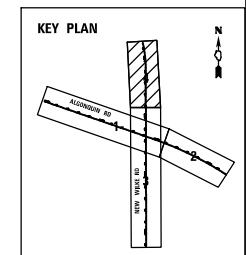
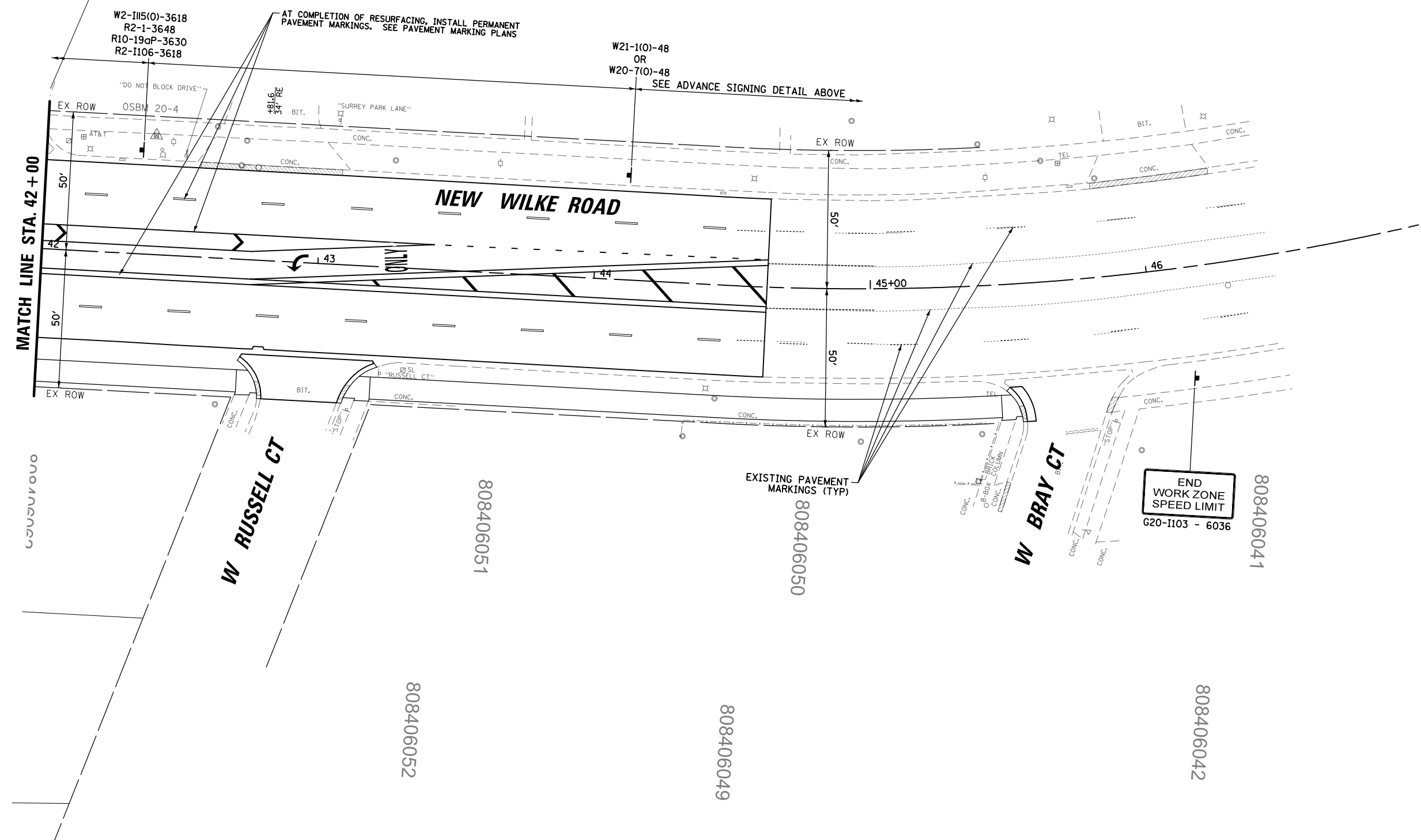
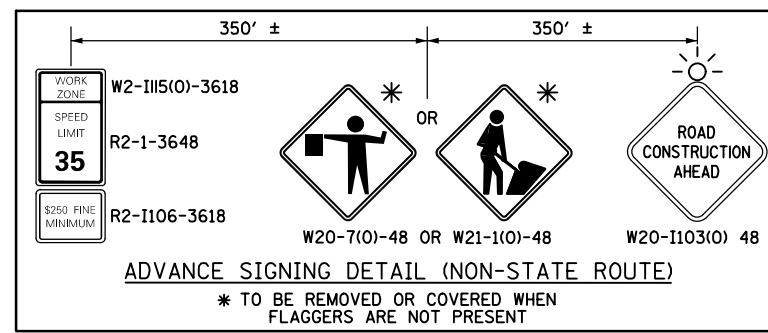
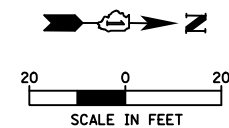
808403008

808403009

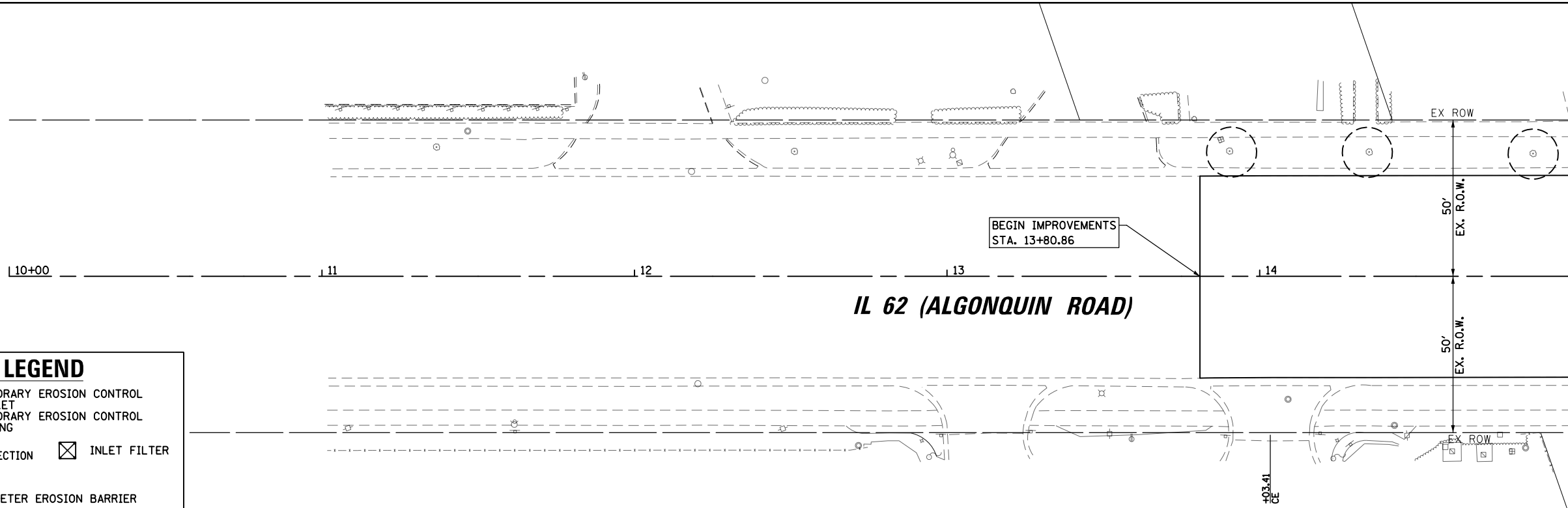
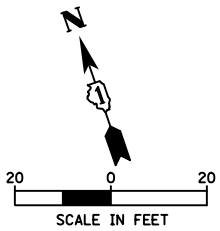
808403029



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\MOT2_980361BR246_03.dgn	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD MAINTENANCE OF TRAFFIC STAGE 2			F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 43
#MODELNAME#	PLOT SCALE = 48"	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 30+00	TO STA. 42+00	CONTRACT NO. 61K07		
	PLOT DATE = 11/6/2024	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

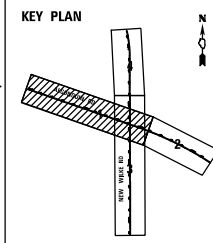
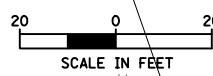
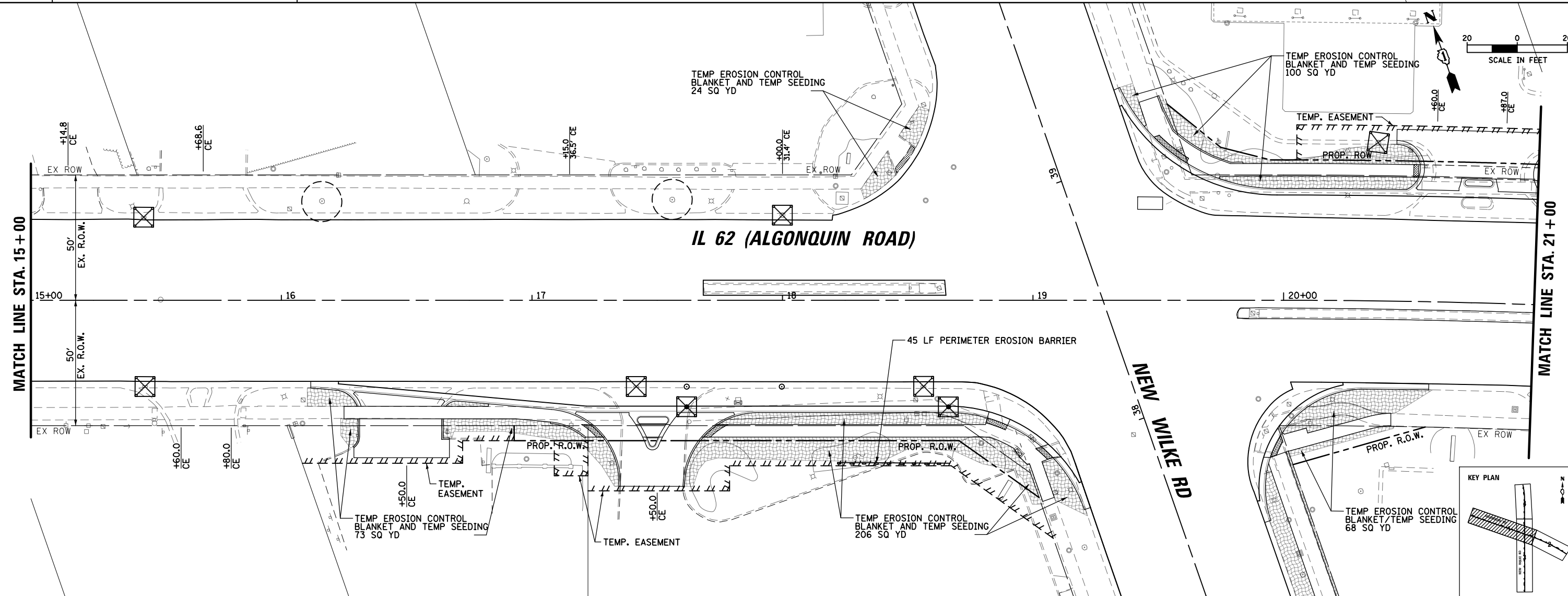


FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD MAINTENANCE OF TRAFFIC STAGE 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\200's\980361BR246\Civil\MOT2_980361BR246_04.dgn	PLLOT SCALE = 48"	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	44	
MODELNAME	PLLOT DATE = 11/6/2024	CHECKED -	REVISED -			CONTRACT NO. 61K07					
		DATE -	REVISED -			SCALE: 1" = 20'	SHEET OF SHEETS	STA. 42+00	TO STA. END	ILLINOIS FED. AID PROJECT	

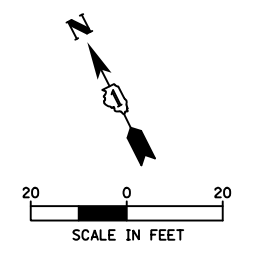
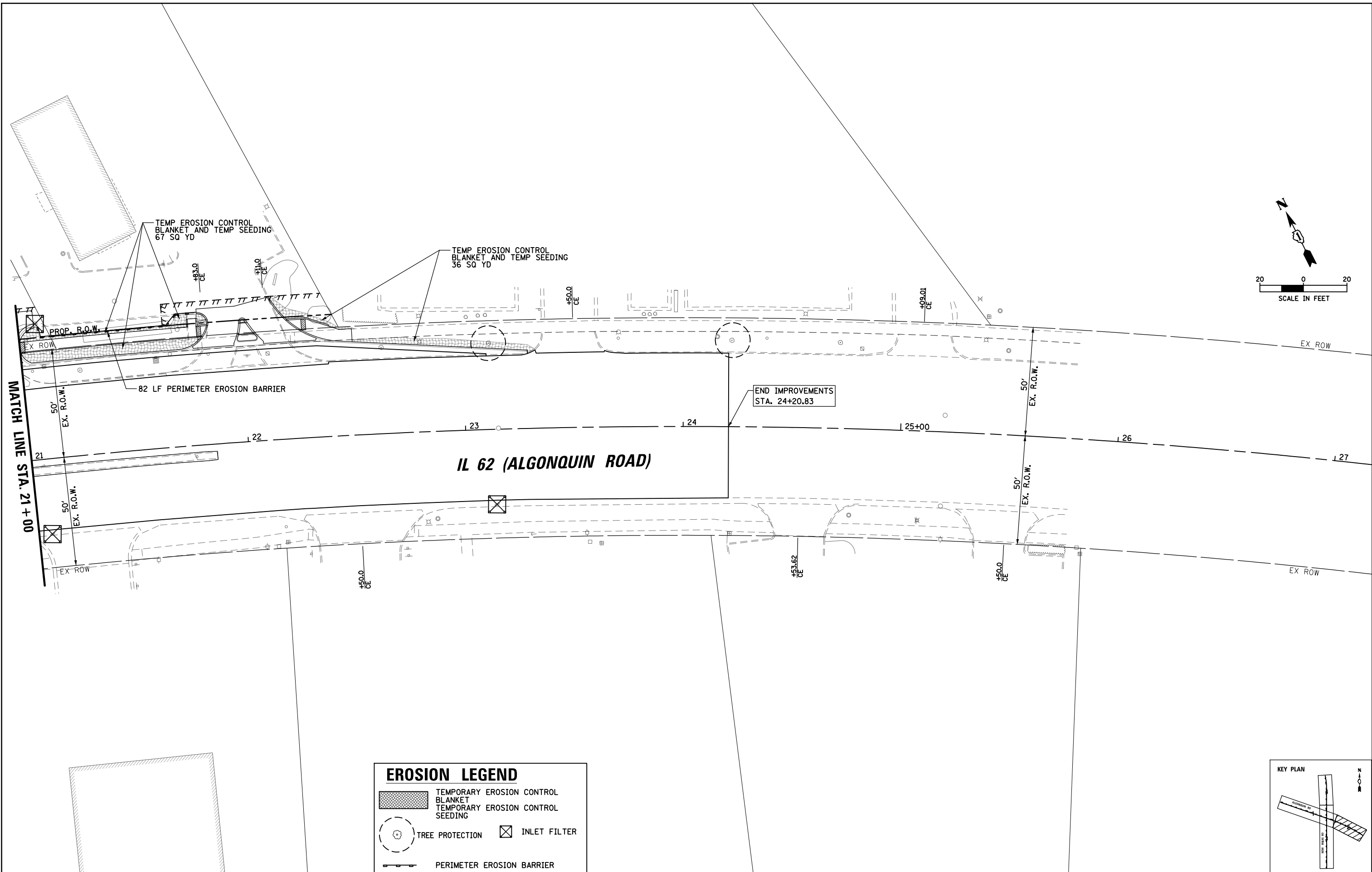


EROSION LEGEND

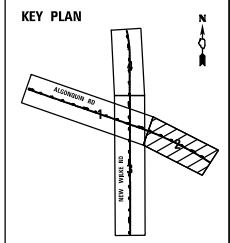
- TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING
- TREE PROTECTION
- INLET FILTER
- PERIMETER EROSION BARRIER



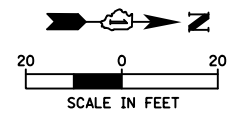
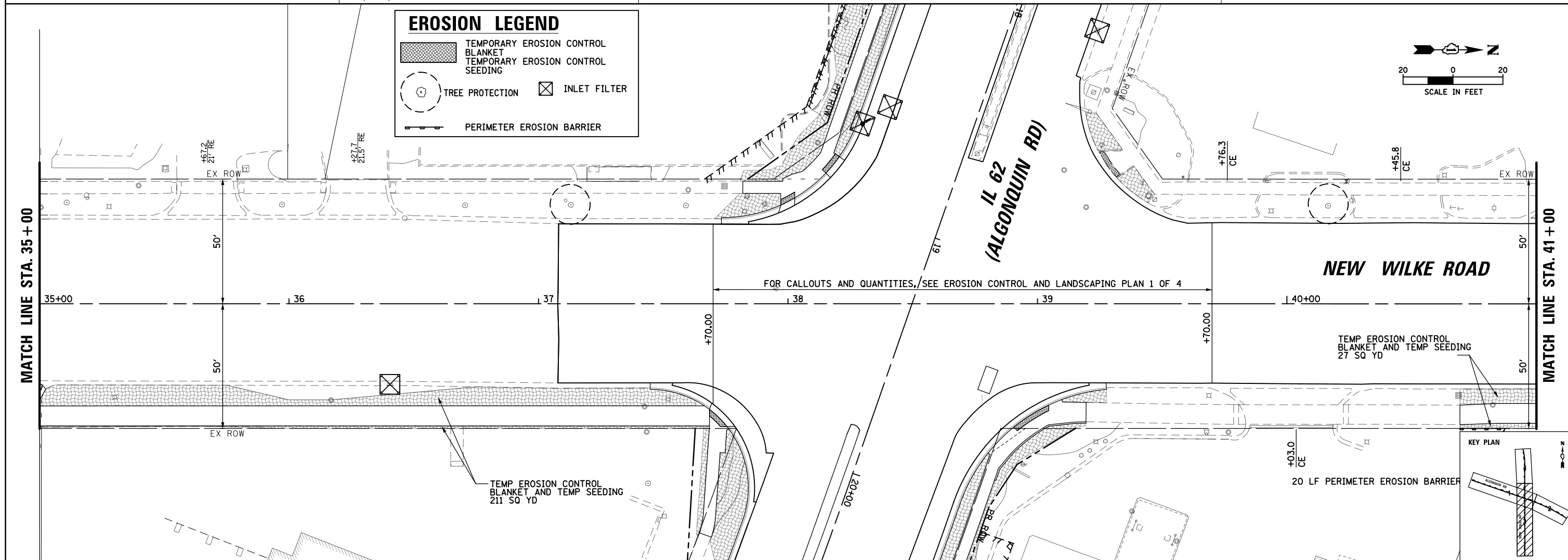
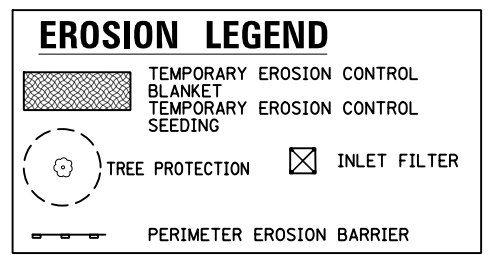
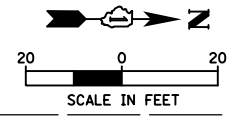
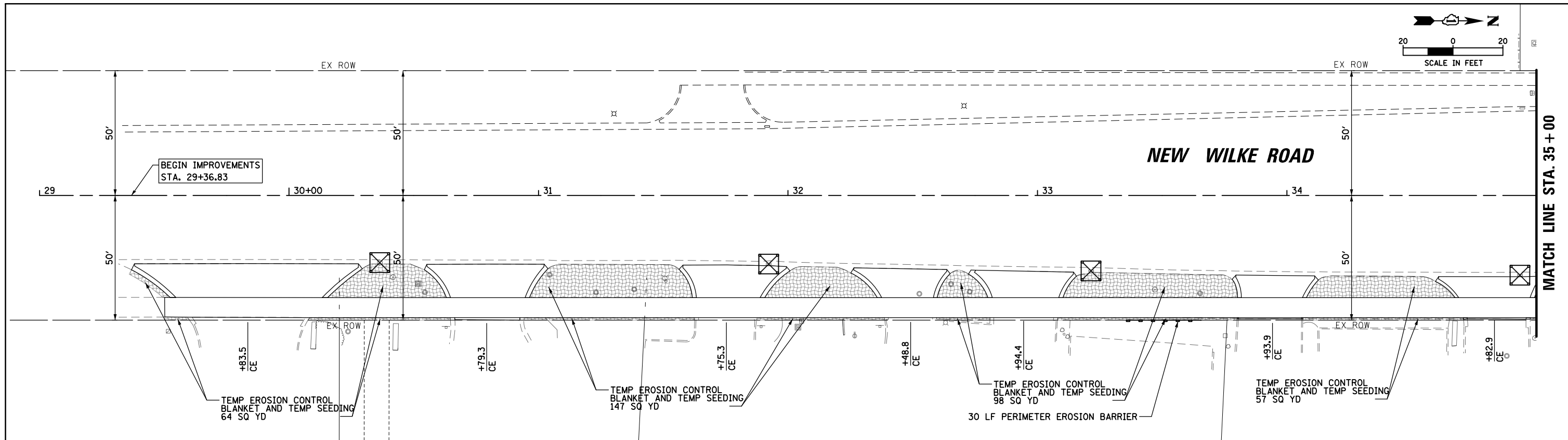
FILE NAME = \\tbg.net\CBBEL\CBBELOFT\ROLLINGMEAD005\980361.BR\98200\98361BR246\Civil\SESC-LADRAW\861BR246_01.dgn	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) EROSION CONTROL PLAN			F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 45
\$MODELNAME\$	PLOT SCALE = 48"	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 10+00	TO STA. 21+00	CONTRACT NO. 61K07		
	PLOT DATE = 11/6/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



EROSION LEGEND	
	TEMPORARY EROSION CONTROL BLANKET
	TEMPORARY EROSION CONTROL SEEDING
	TREE PROTECTION
	INLET FILTER
	PERIMETER EROSION BARRIER



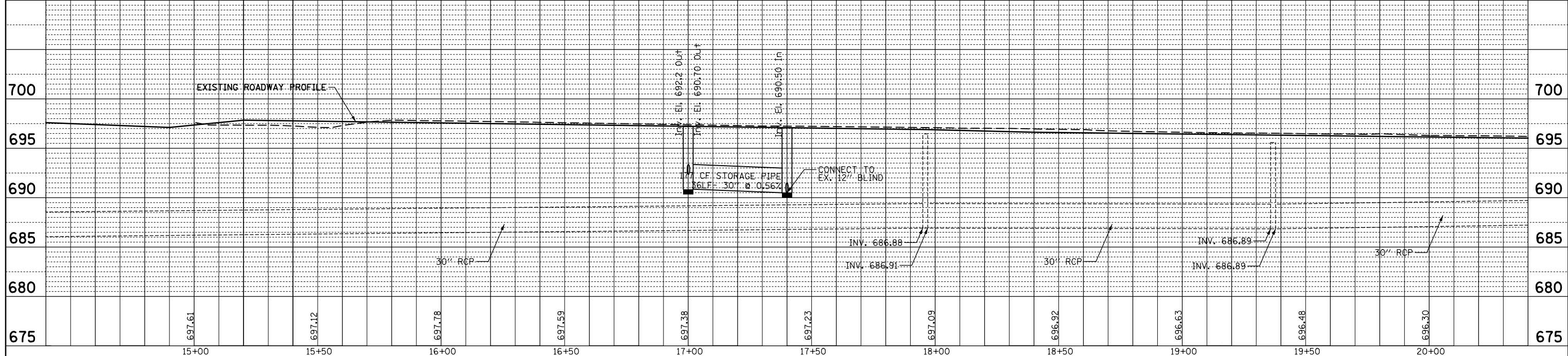
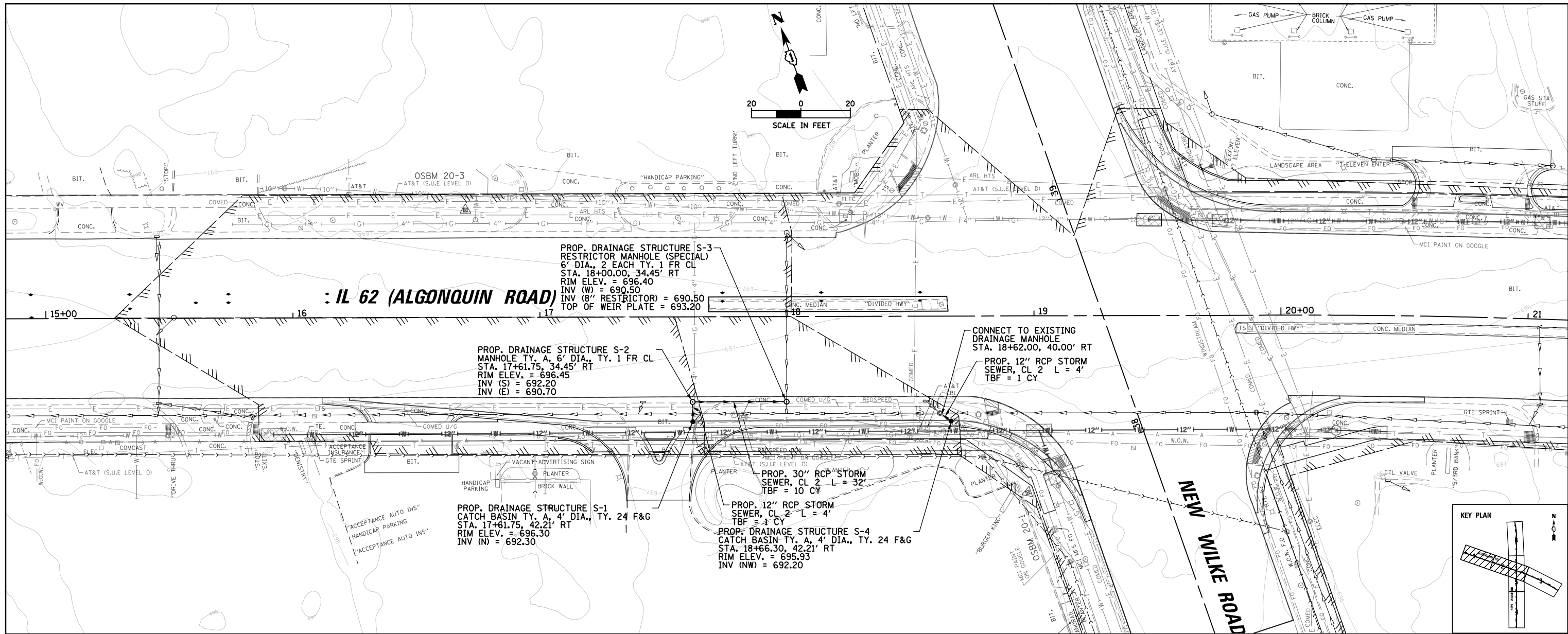
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 62 (ALGONQUIN ROAD) EROSION CONTROL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\tbg.net\CBBEL\CBBELOFT\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Civil\SESC-LADRAW\98361BR246_02.dgn	DR. DATE	CHECKED -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	46	
\$MODELNAME\$	PLOT SCALE = 48'	DATE -	REVISED -			CONTRACT NO. 61K07					
	PLOT DATE = 11/6/2024					ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD EROSION CONTROL PLAN			F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 47
\\tbg.net\CBBEL\CBBELOFT\ROLLINGMEADOWS\980361.BR\980361.BR200\98361BR246\Civil\ESCALADRAWING\98361BR246_03.dgn		CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA. 29+00	TO STA. 31+00	CONTRACT NO. 61K07	
\$MODELNAME\$	PLOT SCALE = 48"	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 11/6/2024											

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

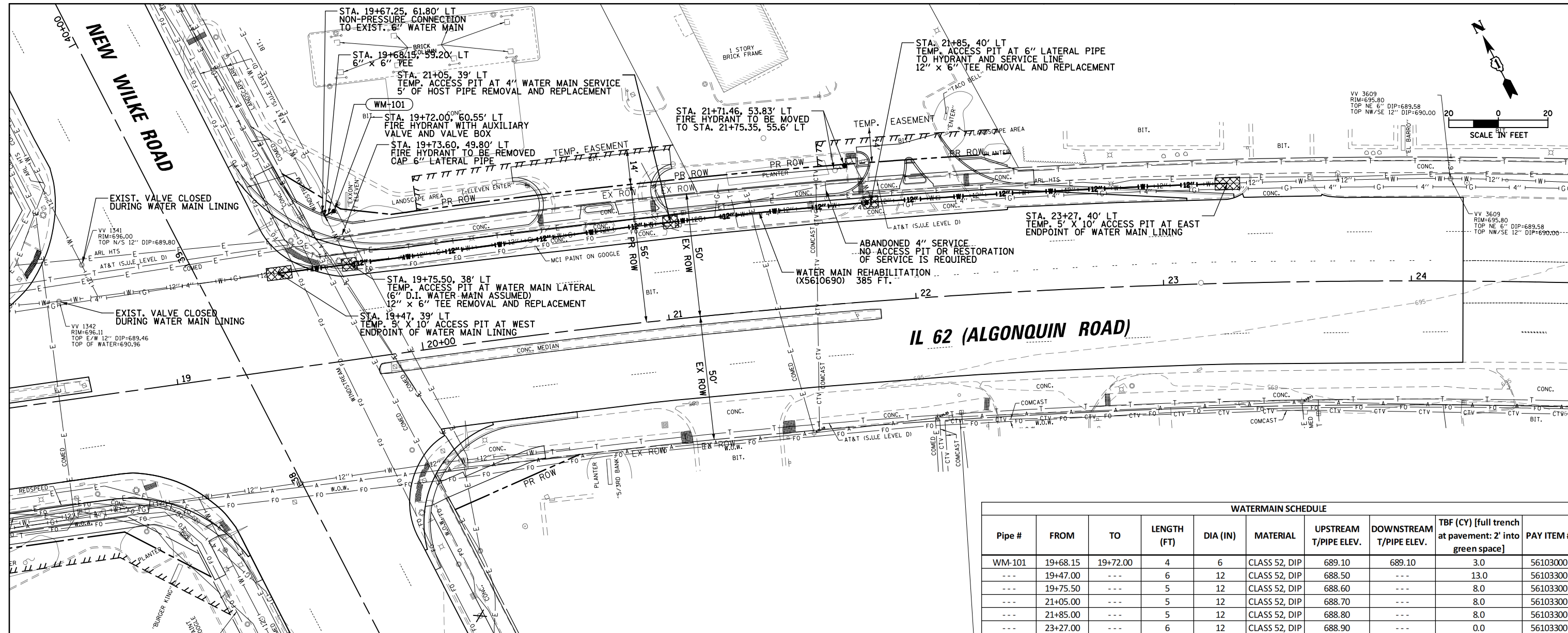
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FILE NAME		



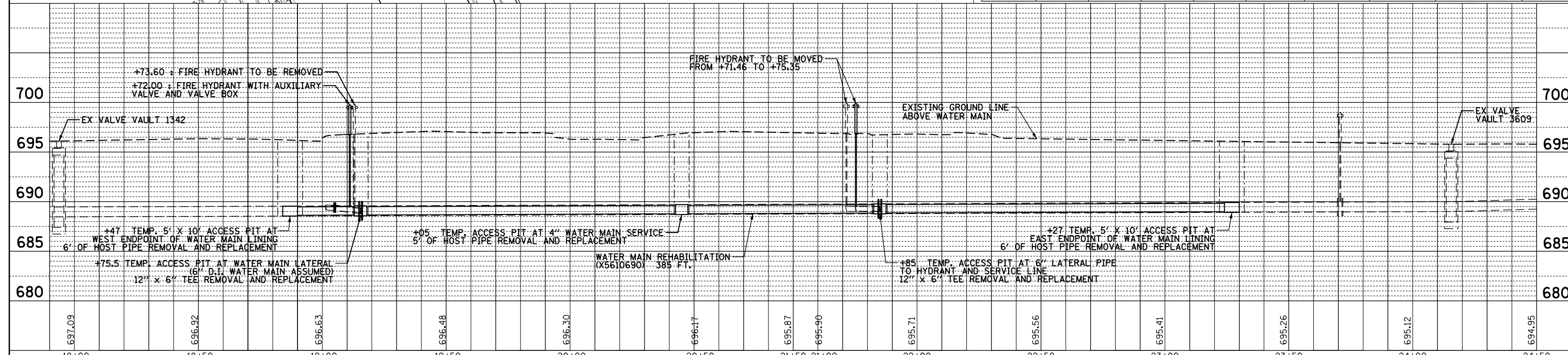
FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				IL 62 (ALGONQUIN RD) DRAINAGE PLAN AND PROFILE				F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 49
#MODELNAME#	PLT DATE = 11/6/2024	DRAWN -	REVISED -	SCALE: 1"=20'H±5'V				SHEET OF SHEETS STA. 15+00 TO STA. 21+00				CONTRACT NO. 61K07				
		CHECKED -	REVISED -									ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -													

DATE	
BY	
PLAN	SURVEYED PLOTTED NOTE BOOK NO. _____
	GRADES CHECKED STRUCTURE NOT AT THIS OFFICE
	ALIGNED CHECKED FIELD FILE NAME _____

DATE	
BY	
PROFILE	SURVEYED PLOTTED NOTE BOOK NO. _____
	GRADES CHECKED STRUCTURE NOT AT THIS OFFICE
	ALIGNED CHECKED FIELD FILE NAME _____



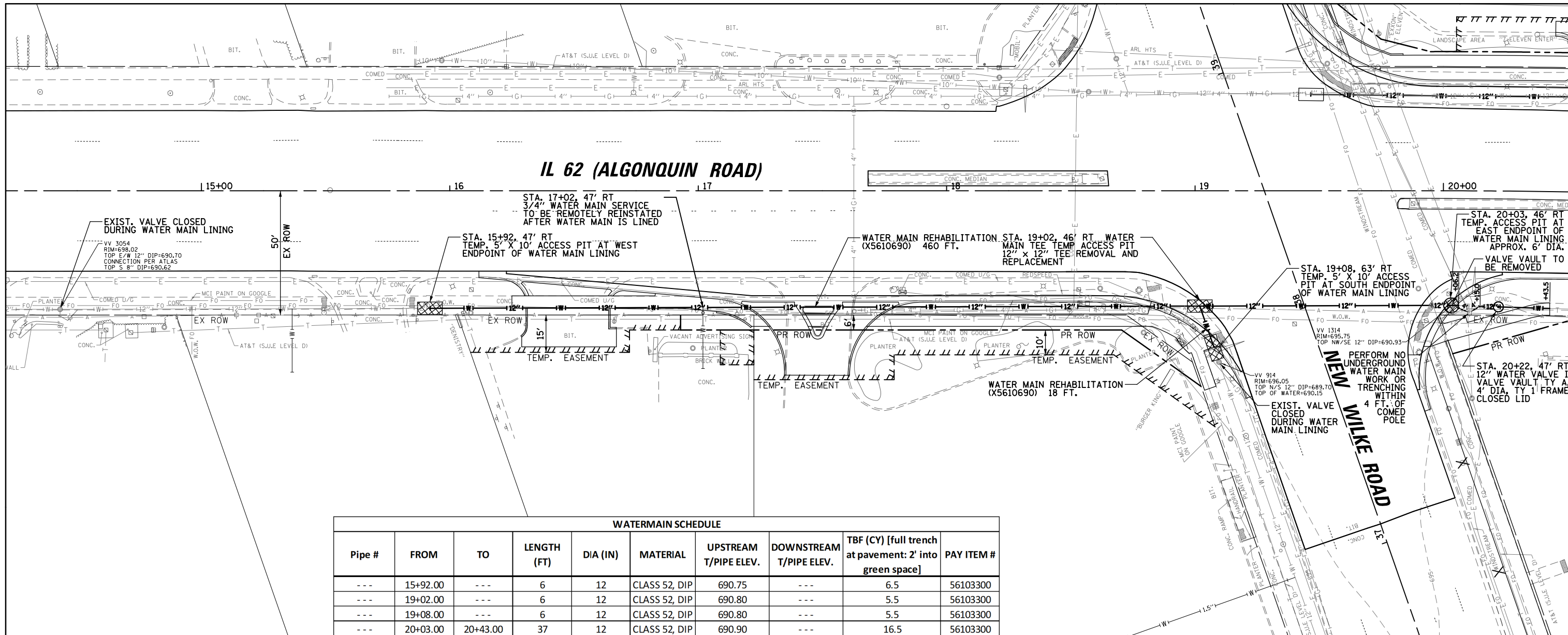
WATERMAIN SCHEDULE									
Pipe #	FROM	TO	LENGTH (FT)	DIA (IN)	MATERIAL	UPSTREAM T/PIPE ELEV.	DOWNSTREAM T/PIPE ELEV.	TBF (CY) [full trench at pavement: 2' into green space]	PAY ITEM #
WM-101	19+68.15	19+72.00	4	6	CLASS 52, DIP	689.10	689.10	3.0	56103000
---	19+47.00	---	6	12	CLASS 52, DIP	688.50	---	13.0	56103300
---	19+75.50	---	5	12	CLASS 52, DIP	688.60	---	8.0	56103300
---	21+05.00	---	5	12	CLASS 52, DIP	688.70	---	8.0	56103300
---	21+85.00	---	5	12	CLASS 52, DIP	688.80	---	8.0	56103300
---	23+27.00	---	6	12	CLASS 52, DIP	688.90	---	0.0	56103300



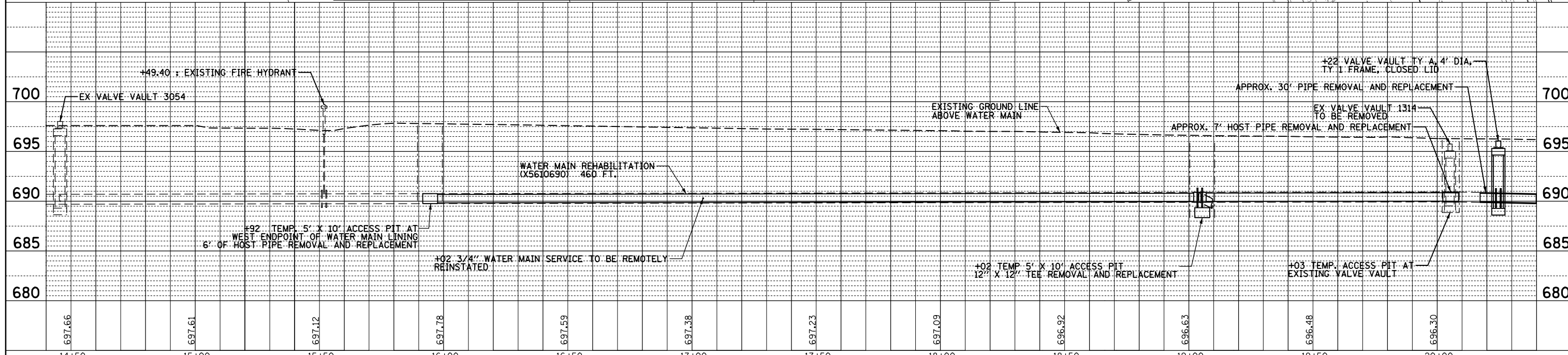
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										IL 62 (ALGONQUIN RD) WATER MAIN PLAN AND PROFILE		F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 50	
MODELNAME	PLOT DATE = 11/6/2024	DRAWN -	REVISED -	SCALE: 1"=20'H/5'V										SHEET	OF SHEETS	STA. 19+47	TO STA. 23+27	CONTRACT NO. 61K07 ILLINOIS FED. AID PROJECT			

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	CHECKED
	NO. _____
	FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	CHECKED
	NO. _____
	FILE NAME



Pipe #	FROM	TO	LENGTH (FT)	DIA (IN)	MATERIAL	UPSTREAM T/PIPE ELEV.	DOWNSTREAM T/PIPE ELEV.	TBF (CY) [full trench at pavement: 2' into green space]	PAY ITEM #
---	15+92.00	---	6	12	CLASS 52, DIP	690.75	---	6.5	56103300
---	19+02.00	---	6	12	CLASS 52, DIP	690.80	---	5.5	56103300
---	19+08.00	---	6	12	CLASS 52, DIP	690.80	---	5.5	56103300
---	20+03.00	20+43.00	37	12	CLASS 52, DIP	690.90	---	16.5	56103300



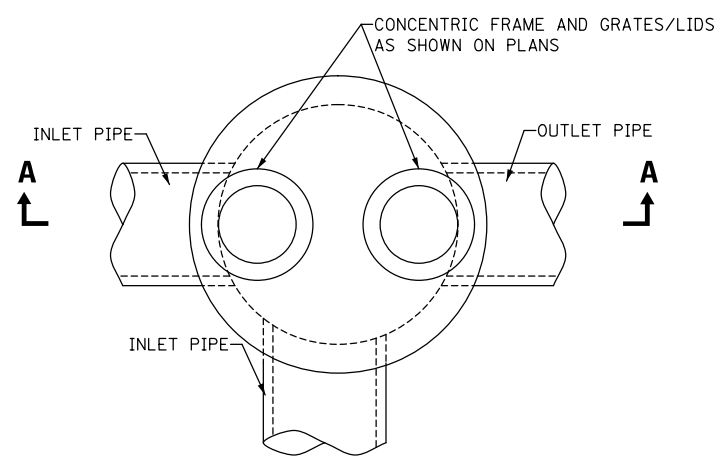
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMeadows\980361.BR\98200\98361BR246\Civil1\WPP2_980361BR246.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
MODELNAME =	DATE = 11/6/2024		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

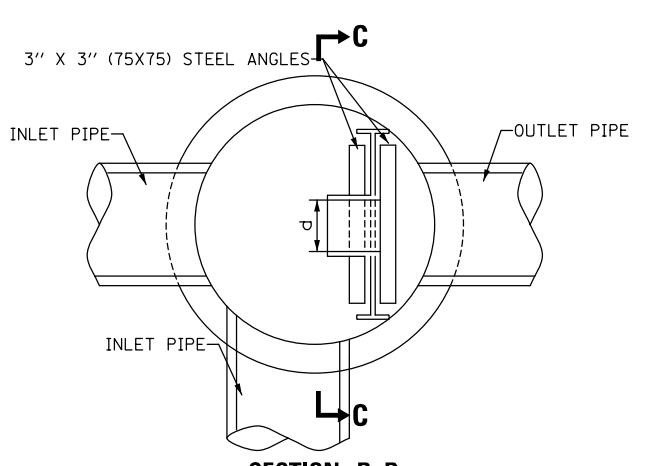
IL 62 (ALGONQUIN RD)
WATER MAIN PLAN AND PROFILE

SCALE: 1"=20'H/5'V SHEET OF SHEETS STA. 14+33 TO STA. 20+67

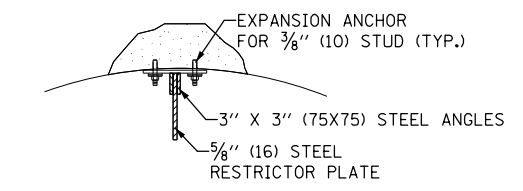
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	51
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



PLAN VIEW

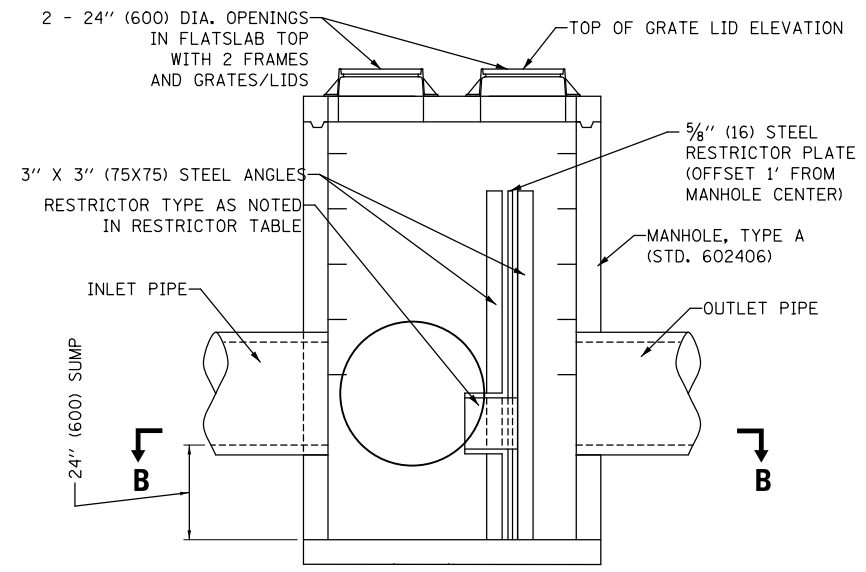


SECTION B-B

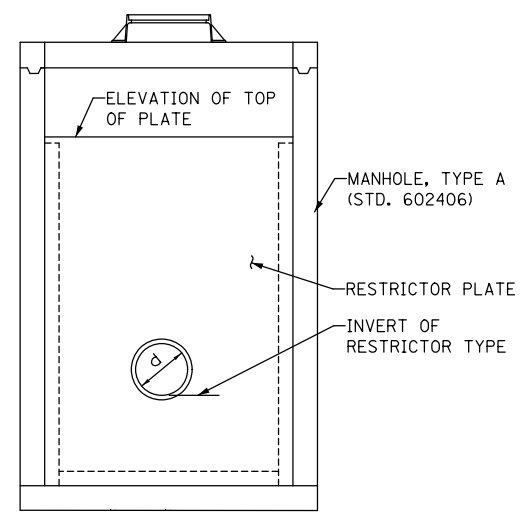


ANGLE FASTENER DETAIL

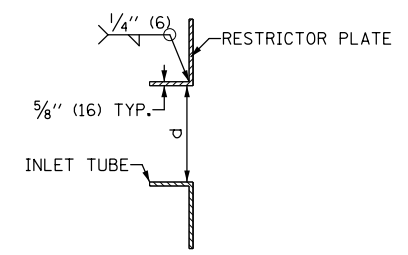
- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES TYPE A, 6 FT. (1.8 m) - DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



SECTION A-A



SECTION C-C

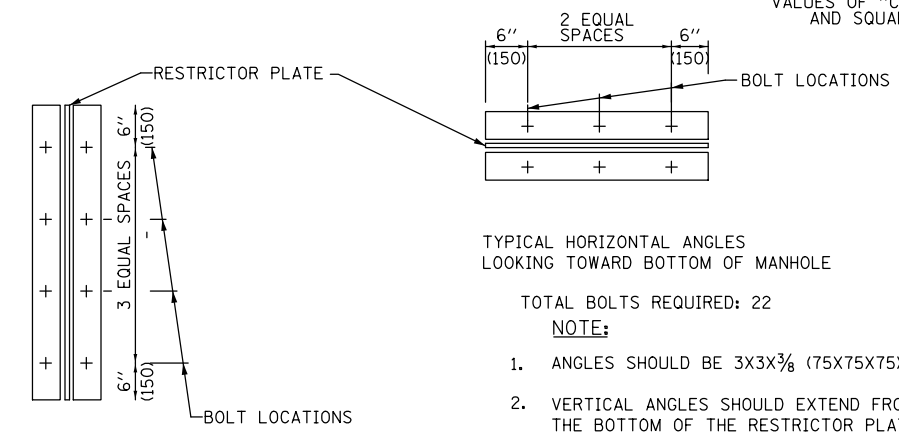


INLET TUBE DETAIL

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGES	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH 1/2 TO 1 DIA. C=.52	C=.61	STREAM CLEARS SIDES C=.61	LENGTH: 2-1/2 DIA. C=.73	LENGTH: 2-1/2 DIA. C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

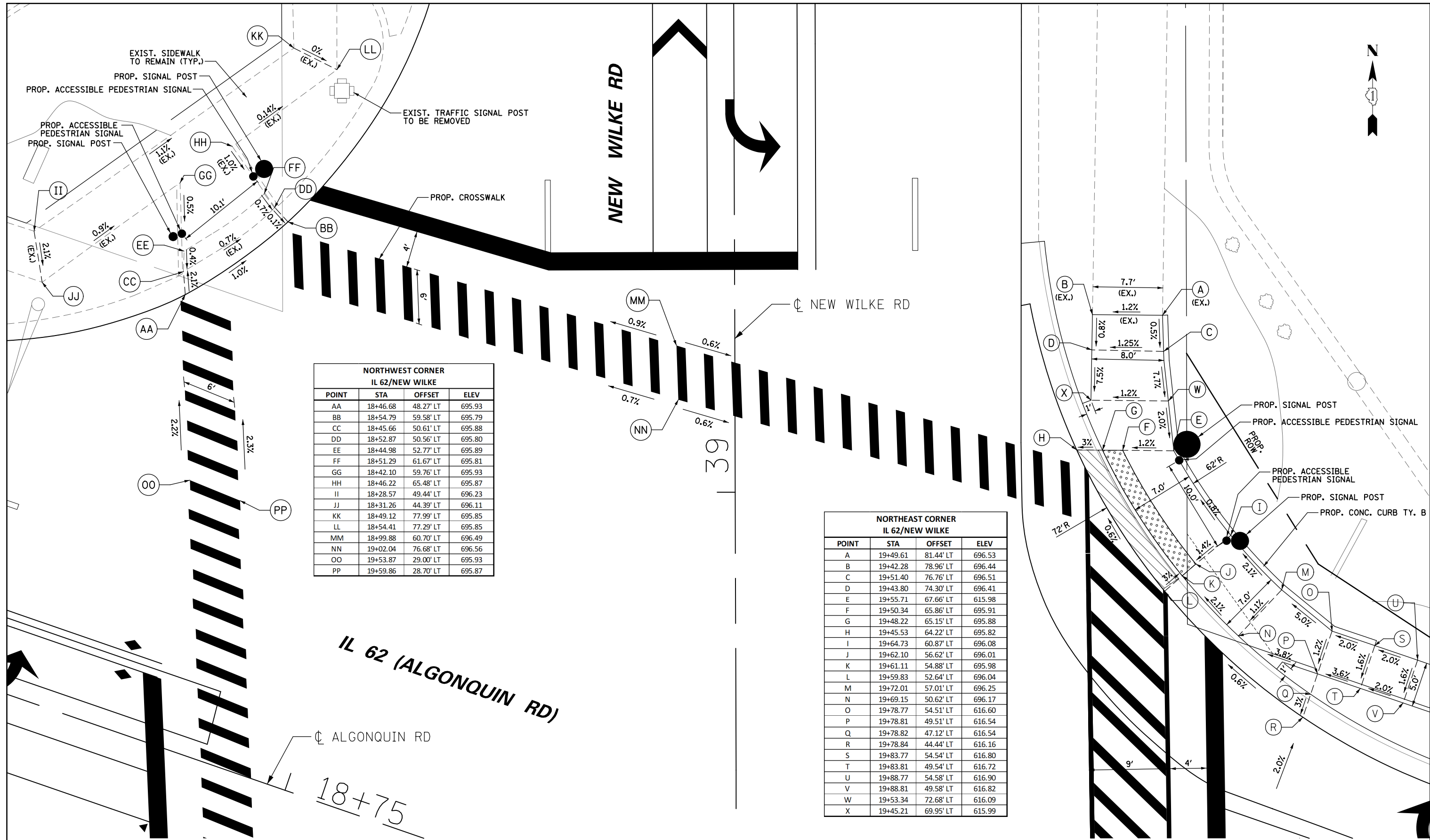
STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR DIAMETER	INVERT OF RESTRICTOR	ELEVATION OF TOP OF PLATE OVERFLOW	RIM ELEVATION
18+00	6'	T1F CL	2	8"	690.5	693.2	696.4



STEEL ANGLE BOLTING DETAILS

- TYPICAL HORIZONTAL ANGLES
LOOKING TOWARD BOTTOM OF MANHOLE
- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3X3X3/8 (75X75X75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



**NORTHWEST CORNER
IL 62/NEW WILKE**

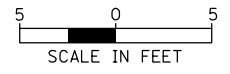
POINT	STA	OFFSET	ELEV
AA	18+46.68	48.27' LT	695.93
BB	18+54.79	59.58' LT	695.79
CC	18+45.66	50.61' LT	695.88
DD	18+52.87	50.56' LT	695.80
EE	18+44.98	52.77' LT	695.89
FF	18+51.29	61.67' LT	695.81
GG	18+42.10	59.76' LT	695.93
HH	18+46.22	65.48' LT	695.87
II	18+28.57	49.44' LT	696.23
JJ	18+31.26	44.39' LT	696.11
KK	18+49.12	77.99' LT	695.85
LL	18+54.41	77.29' LT	695.85
MM	18+99.88	60.70' LT	696.49
NN	19+02.04	76.68' LT	696.56
OO	19+53.87	29.00' LT	695.93
PP	19+59.86	28.70' LT	695.87

**NORTHEAST CORNER
IL 62/NEW WILKE**

POINT	STA	OFFSET	ELEV
A	19+49.61	81.44' LT	696.53
B	19+42.28	78.96' LT	696.44
C	19+51.40	76.76' LT	696.51
D	19+43.80	74.30' LT	696.41
E	19+55.71	67.66' LT	615.98
F	19+50.34	65.86' LT	695.91
G	19+48.22	65.15' LT	695.88
H	19+45.53	64.22' LT	695.82
I	19+64.73	60.87' LT	696.08
J	19+62.10	56.62' LT	696.01
K	19+61.11	54.88' LT	695.98
L	19+59.83	52.64' LT	696.04
M	19+72.01	57.01' LT	696.25
N	19+69.15	50.62' LT	696.17
O	19+78.77	54.51' LT	616.60
P	19+78.81	49.51' LT	616.54
Q	19+78.82	47.12' LT	616.54
R	19+78.84	44.44' LT	616.16
S	19+83.77	54.54' LT	616.80
T	19+83.81	49.54' LT	616.72
U	19+88.77	54.58' LT	616.90
V	19+88.81	49.58' LT	616.82
W	19+53.34	72.68' LT	616.09
X	19+45.21	69.95' LT	615.99

LEGEND

- PROPOSED CURB TYPE B
- X.XX PROPOSED SLOPE
- PROPOSED DETECTABLE WARNINGS



BORDER = 5 SCALE
CELLS = 20 SCALE

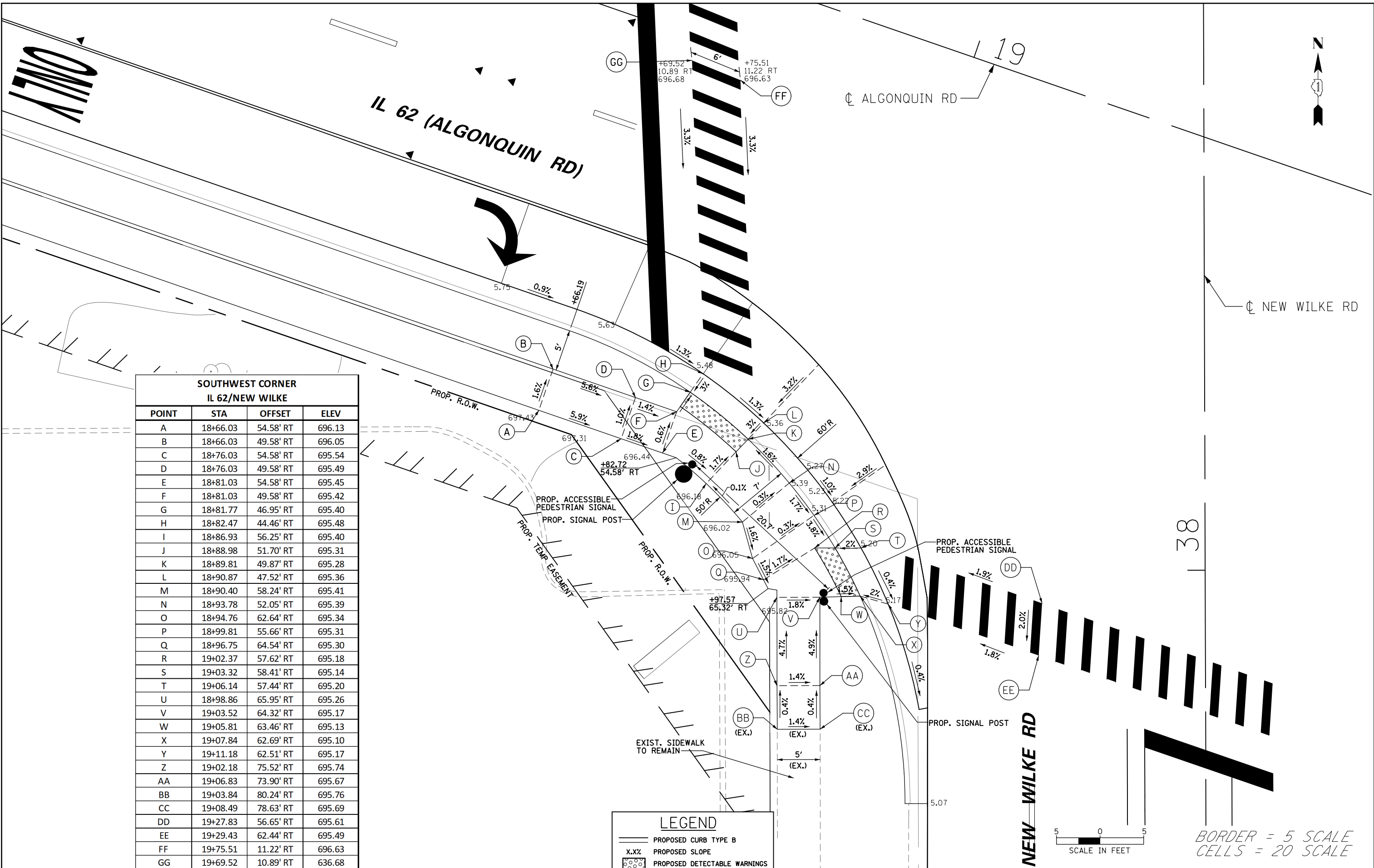
FILE NAME =	USER NAME = amissick	DESIGNED - JHN	REVISED - 10/20
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\ADAI_980361BR246.dgn		DRAWN - CAD	REVISED -
	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 11/6/2024	DATE - 11/6/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN AND NEW WILKE ADA RAMP DETAILS
NW AND NE QUADRANT**

SCALE: 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	53
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

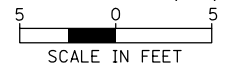


**SOUTHWEST CORNER
IL 62/NEW WILKE**

POINT	STA	OFFSET	ELEV
A	18+66.03	54.58' RT	696.13
B	18+66.03	49.58' RT	696.05
C	18+76.03	54.58' RT	695.54
D	18+76.03	49.58' RT	695.49
E	18+81.03	54.58' RT	695.45
F	18+81.03	49.58' RT	695.42
G	18+81.77	46.95' RT	695.40
H	18+82.47	44.46' RT	695.48
I	18+86.93	56.25' RT	695.40
J	18+88.98	51.70' RT	695.31
K	18+89.81	49.87' RT	695.28
L	18+90.87	47.52' RT	695.36
M	18+90.40	58.24' RT	695.41
N	18+93.78	52.05' RT	695.39
O	18+94.76	62.64' RT	695.34
P	18+99.81	55.66' RT	695.31
Q	18+96.75	64.54' RT	695.30
R	19+02.37	57.62' RT	695.18
S	19+03.32	58.41' RT	695.14
T	19+06.14	57.44' RT	695.20
U	18+98.86	65.95' RT	695.26
V	19+03.52	64.32' RT	695.17
W	19+05.81	63.46' RT	695.13
X	19+07.84	62.69' RT	695.10
Y	19+11.18	62.51' RT	695.17
Z	19+02.18	75.52' RT	695.74
AA	19+06.83	73.90' RT	695.67
BB	19+03.84	80.24' RT	695.76
CC	19+08.49	78.63' RT	695.69
DD	19+27.83	56.65' RT	695.61
EE	19+29.43	62.44' RT	695.49
FF	19+75.51	11.22' RT	696.63
GG	19+69.52	10.89' RT	636.68

LEGEND

- PROPOSED CURB TYPE B
- PROPOSED SLOPE
- PROPOSED DETECTABLE WARNINGS



BORDER = 5 SCALE
CELLS = 20 SCALE

FILE NAME =	USER NAME = omissick	DESIGNED - JHN	REVISED - 10/20
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\ADA2_980361BR246.dgn		DRAWN - CAD	REVISED -
PLOT SCALE = 1/8"		CHECKED -	REVISED -
PLOT DATE = 11/6/2024		DATE - 11/6/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALGONQUIN AND NEW WILKE ADA RAMP DETAILS

SW QUADRANT

SCALE: 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	54
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

SOUTHEAST CORNER IL 62/NEW WILKE			
POINT	STA	OFFSET	ELEV
A	19+05.88	74.28' RT	695.69
B	19+98.10	76.92' RT	695.57
C	20+04.19	69.56' RT	695.71
D	19+96.41	72.20' RT	695.59
E	20+02.28	64.28' RT	695.43
F	20+00.93	60.51' RT	695.36
G	19+97.04	61.83' RT	695.28
H	19+94.69	62.66' RT	695.23
I	19+94.66	66.91' RT	695.31
J	19+92.01	62.63' RT	695.15
K	19+98.83	53.81' RT	695.22
L	19+97.73	50.83' RT	695.19
M	20+11.15	57.76' RT	695.56
N	20+09.79	52.94' RT	695.48
O	20+09.24	51.01' RT	695.44
P	20+35.54	51.04' RT	696.79
Q	20+34.14	46.23' RT	696.70
R	20+43.55	49.73' RT	696.86
S	20+43.49	44.72' RT	696.76
T	19+79.34	26.50' RT	696.01
U	19+88.69	25.83' RT	695.99
V	19+73.47	56.66' RT	695.61
W	19+75.06	62.44' RT	695.54

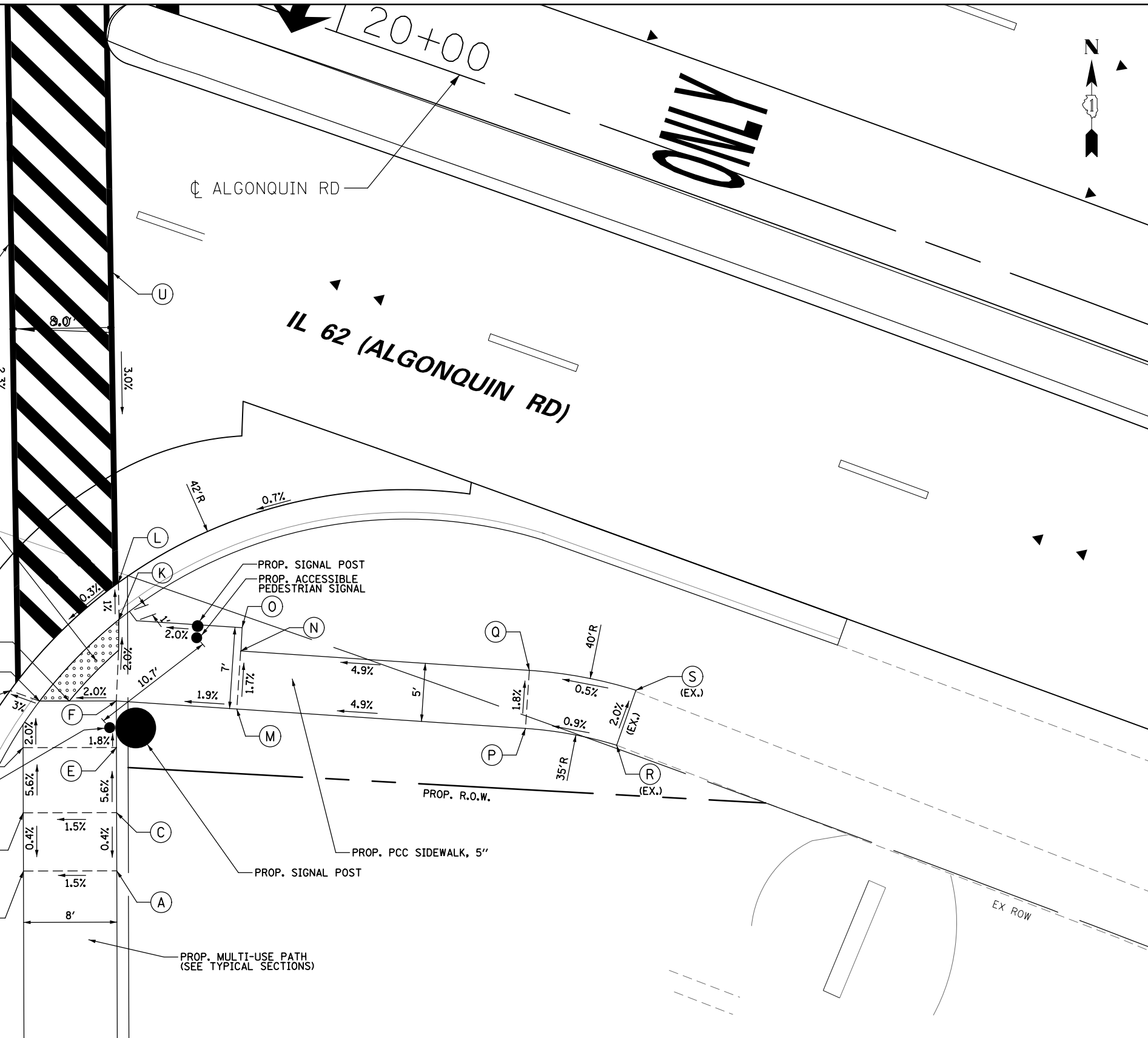
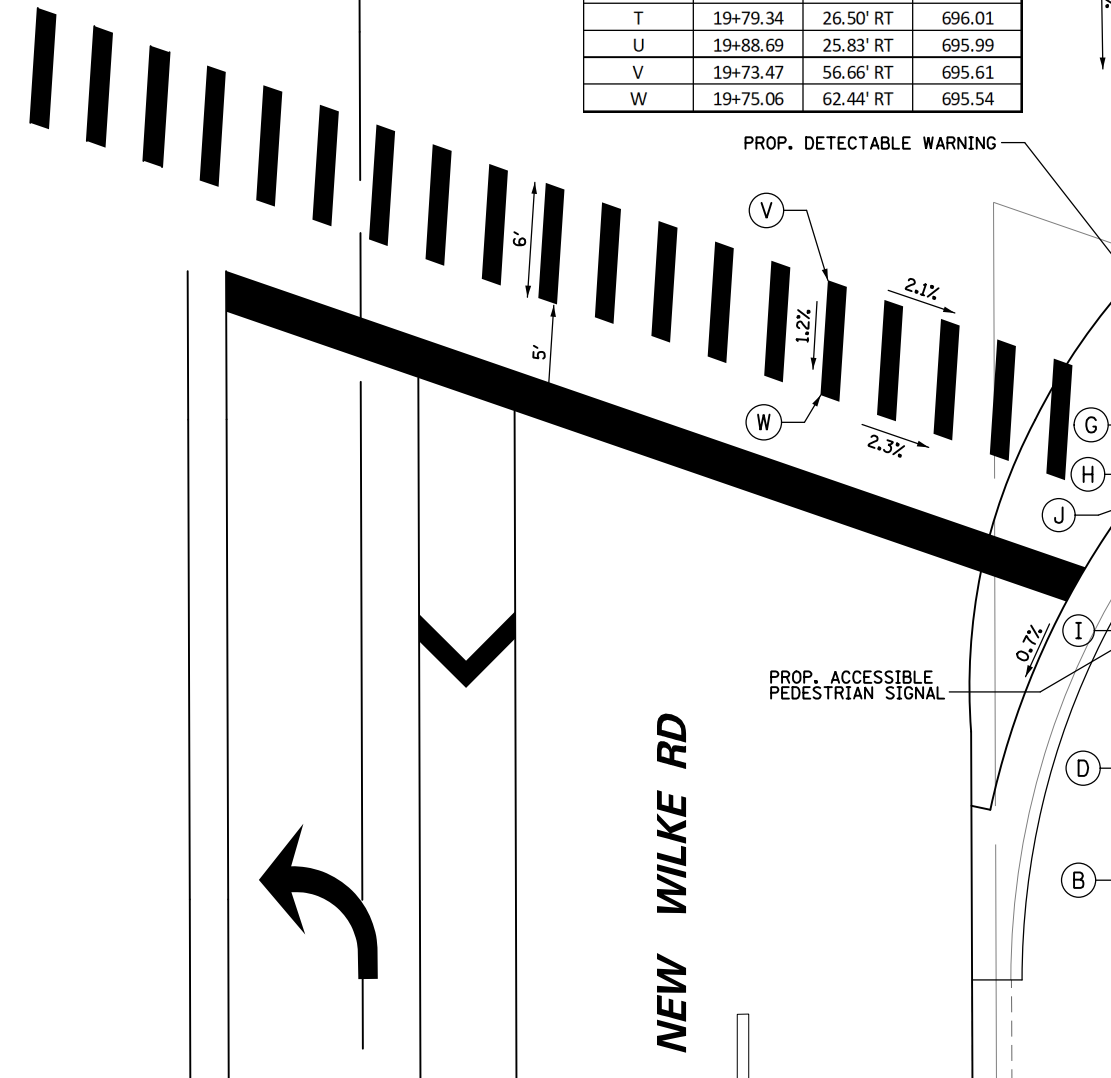
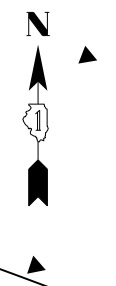
NEW WILKE RD

38

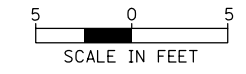
ALGONQUIN RD

IL 62 (ALGONQUIN RD)

ONLY



LEGEND	
	PROPOSED CURB TYPE B
	PROPOSED SLOPE
	PROPOSED DETECTABLE WARNINGS



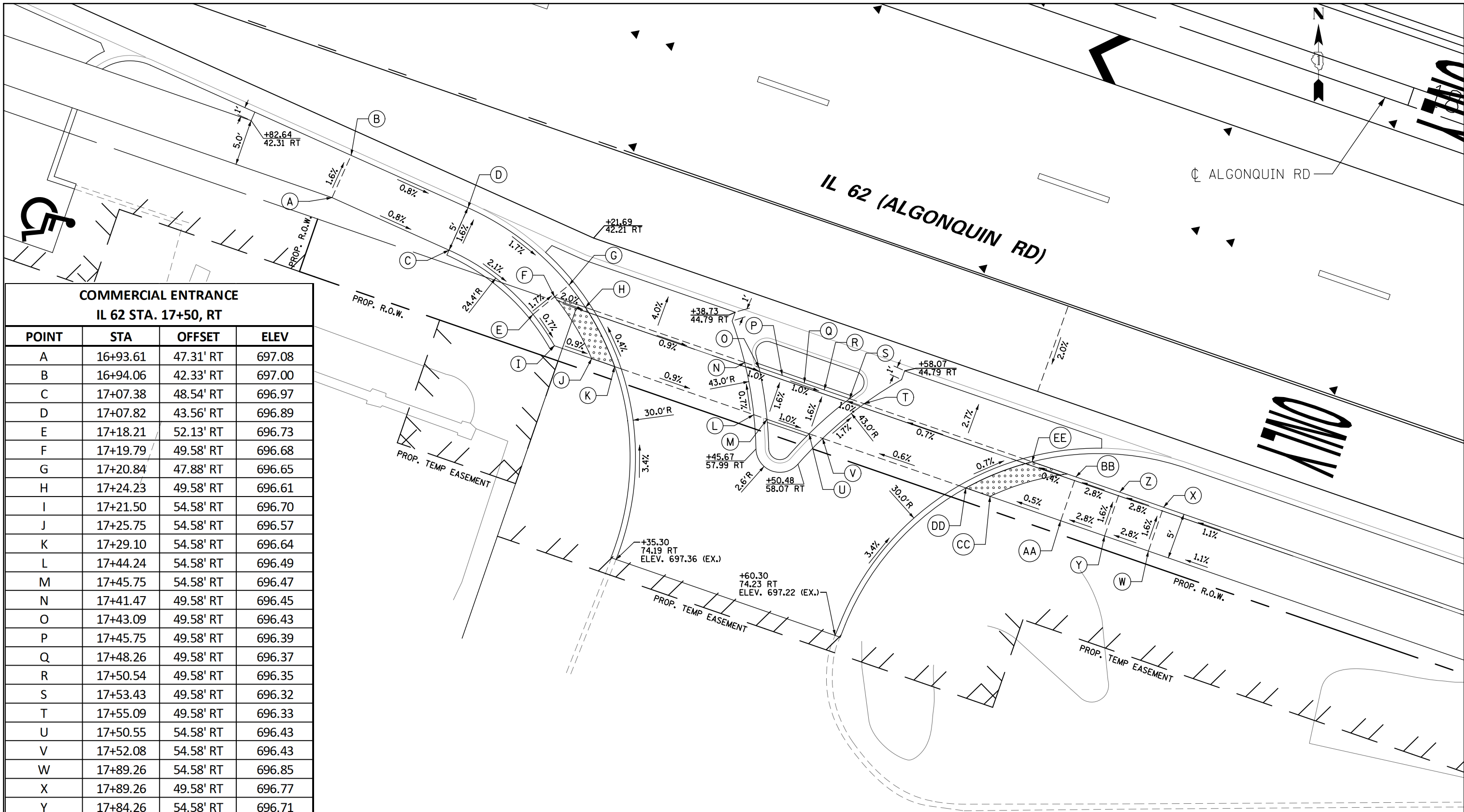
BORDER = 5 SCALE
CELLS = 20 SCALE

FILE NAME =	USER NAME = omissick	DESIGNED - JHN	REVISED - 10/20
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\ADA3_980361BR246.dgn		DRAWN - CAD	REVISED -
PLOT SCALE = 1/8"		CHECKED -	REVISED -
PLOT DATE = 11/6/2024		DATE - 11/6/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN AND NEW WILKE ADA RAMP DETAILS			
SE QUADRANT			
SCALE: 10'	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 55
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

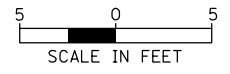


**COMMERCIAL ENTRANCE
IL 62 STA. 17+50, RT**

POINT	STA	OFFSET	ELEV
A	16+93.61	47.31' RT	697.08
B	16+94.06	42.33' RT	697.00
C	17+07.38	48.54' RT	696.97
D	17+07.82	43.56' RT	696.89
E	17+18.21	52.13' RT	696.73
F	17+19.79	49.58' RT	696.68
G	17+20.84	47.88' RT	696.65
H	17+24.23	49.58' RT	696.61
I	17+21.50	54.58' RT	696.70
J	17+25.75	54.58' RT	696.57
K	17+29.10	54.58' RT	696.64
L	17+44.24	54.58' RT	696.49
M	17+45.75	54.58' RT	696.47
N	17+41.47	49.58' RT	696.45
O	17+43.09	49.58' RT	696.43
P	17+45.75	49.58' RT	696.39
Q	17+48.26	49.58' RT	696.37
R	17+50.54	49.58' RT	696.35
S	17+53.43	49.58' RT	696.32
T	17+55.09	49.58' RT	696.33
U	17+50.55	54.58' RT	696.43
V	17+52.08	54.58' RT	696.43
W	17+89.26	54.58' RT	696.85
X	17+89.26	49.58' RT	696.77
Y	17+84.26	54.58' RT	696.71
Z	17+84.26	49.58' RT	696.63
AA	17+79.26	54.58' RT	696.57
BB	17+79.26	49.58' RT	696.49
CC	17+71.20	54.58' RT	696.53
DD	17+67.65	54.58' RT	696.52
EE	17+73.21	49.58' RT	696.47

LEGEND

- PROPOSED CURB TYPE B
- PROPOSED SLOPE
- PROPOSED DETECTABLE WARNINGS



BORDER = 5 SCALE
CELLS = 20 SCALE

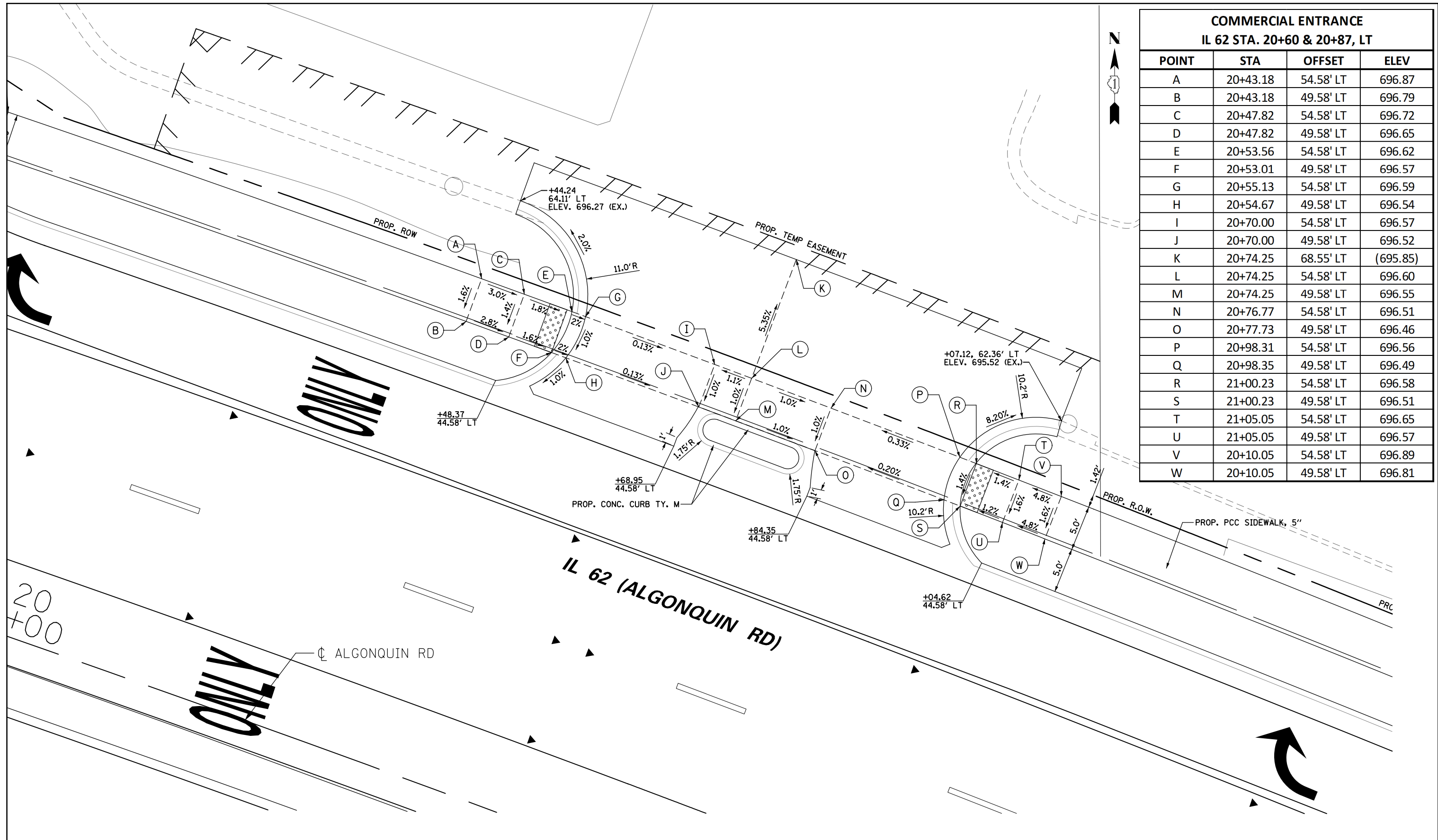
FILE NAME =	USER NAME = omissick	DESIGNED - JHN	REVISED - 10/20
N:\ROLLINGMEADOWS\980361.BR200\980361BR246.dgn		DRAWN - CAD	REVISED -
PLOT SCALE = 1/8"		CHECKED -	REVISED -
PLOT DATE = 11/6/2024		DATE - 11/6/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

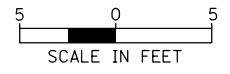
ALGONQUIN AND NEW WILKE ADA RAMP DETAILS			
ALGONQUIN COMMERCIAL ENTRANCE			
SCALE: 10'	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 56
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

COMMERCIAL ENTRANCE IL 62 STA. 20+60 & 20+87, LT			
POINT	STA	OFFSET	ELEV
A	20+43.18	54.58' LT	696.87
B	20+43.18	49.58' LT	696.79
C	20+47.82	54.58' LT	696.72
D	20+47.82	49.58' LT	696.65
E	20+53.56	54.58' LT	696.62
F	20+53.01	49.58' LT	696.57
G	20+55.13	54.58' LT	696.59
H	20+54.67	49.58' LT	696.54
I	20+70.00	54.58' LT	696.57
J	20+70.00	49.58' LT	696.52
K	20+74.25	68.55' LT	(695.85)
L	20+74.25	54.58' LT	696.60
M	20+74.25	49.58' LT	696.55
N	20+76.77	54.58' LT	696.51
O	20+77.73	49.58' LT	696.46
P	20+98.31	54.58' LT	696.56
Q	20+98.35	49.58' LT	696.49
R	21+00.23	54.58' LT	696.58
S	21+00.23	49.58' LT	696.51
T	21+05.05	54.58' LT	696.65
U	21+05.05	49.58' LT	696.57
V	20+10.05	54.58' LT	696.89
W	20+10.05	49.58' LT	696.81



LEGEND	
	PROPOSED CURB TYPE B
	PROPOSED SLOPE
	PROPOSED DETECTABLE WARNINGS



BORDER = 5 SCALE
CELLS = 20 SCALE

FILE NAME =	USER NAME = omissick	DESIGNED - JHN	REVISED - 10/20
N:\ROLLINGMEADOWS\980361.BR\200's\980361BR246.dgn		DRAWN - CAD	REVISED -
PLOT SCALE = 18"		CHECKED -	REVISED -
PLOT DATE = 11/6/2024		DATE - 11/6/2024	REVISED -

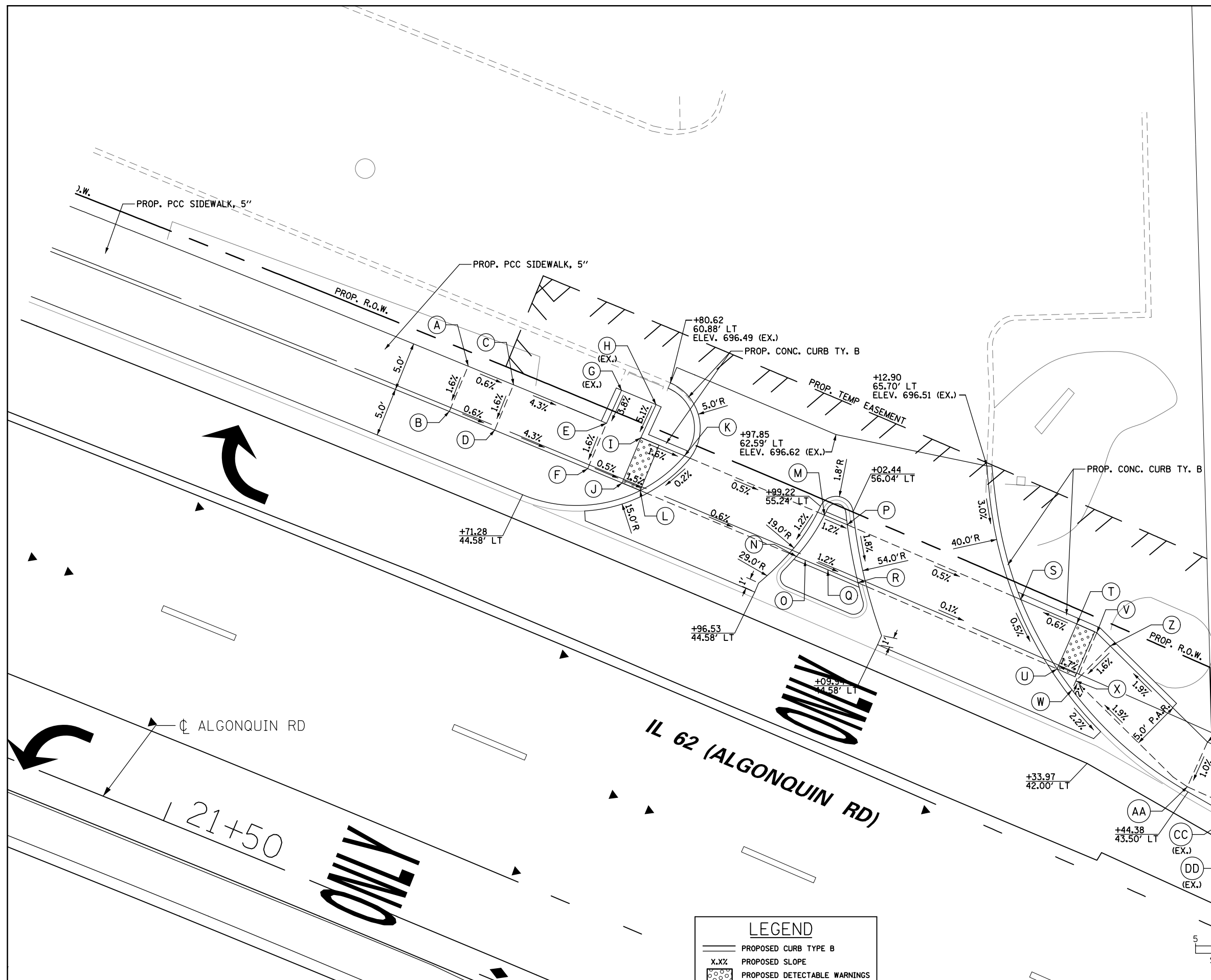
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN AND NEW WILKE ADA RAMP DETAILS			
ALGONQUIN COMMERCIAL ENTRANCE			
SCALE: 10'	SHEET NO. OF SHEETS	STA. TO STA.	

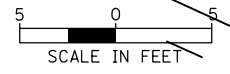
F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 57
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



COMMERCIAL ENTRANCE IL 62 STA. 21+83 & 22+11, LT			
POINT	STA	OFFSET	ELEV
A	21+61.32	54.58' LT	696.87
B	21+61.32	49.58' LT	696.79
C	21+66.23	54.58' LT	696.84
D	21+66.23	49.58' LT	696.76
E	21+76.30	54.58' LT	696.40
F	21+76.30	49.58' LT	696.32
G	21+76.41	58.28' LT	696.54
H	21+80.13	58.28' LT	696.57
I	21+80.03	54.58' LT	696.38
J	21+80.03	49.58' LT	696.30
K	21+84.74	54.58' LT	696.30
L	21+82.00	49.58' LT	696.27
M	21+99.93	54.58' LT	696.22
N	21+98.98	49.58' LT	696.16
O	21+99.92	49.58' LT	696.15
P	22+02.41	54.58' LT	696.19
Q	22+02.41	49.58' LT	696.12
R	22+05.68	49.58' LT	696.08
S	22+21.31	54.58' LT	696.10
T	22+27.40	54.58' LT	695.14
U	22+27.40	49.58' LT	696.05
V	22+29.60	54.58' LT	696.15
W	22+29.60	48.22' LT	696.11
X	22+29.60	49.22' LT	696.09
Y	22+44.14	48.96' LT	696.44
Z	22+31.36	53.89' LT	696.17
AA	22+44.11	43.96' LT	696.39
BB	22+50.00	48.93' LT	696.39
CC	22+50.00	43.93' LT	696.35
DD	22+50.00	42.92' LT	696.34



LEGEND	
	PROPOSED CURB TYPE B
	PROPOSED SLOPE
	PROPOSED DETECTABLE WARNINGS



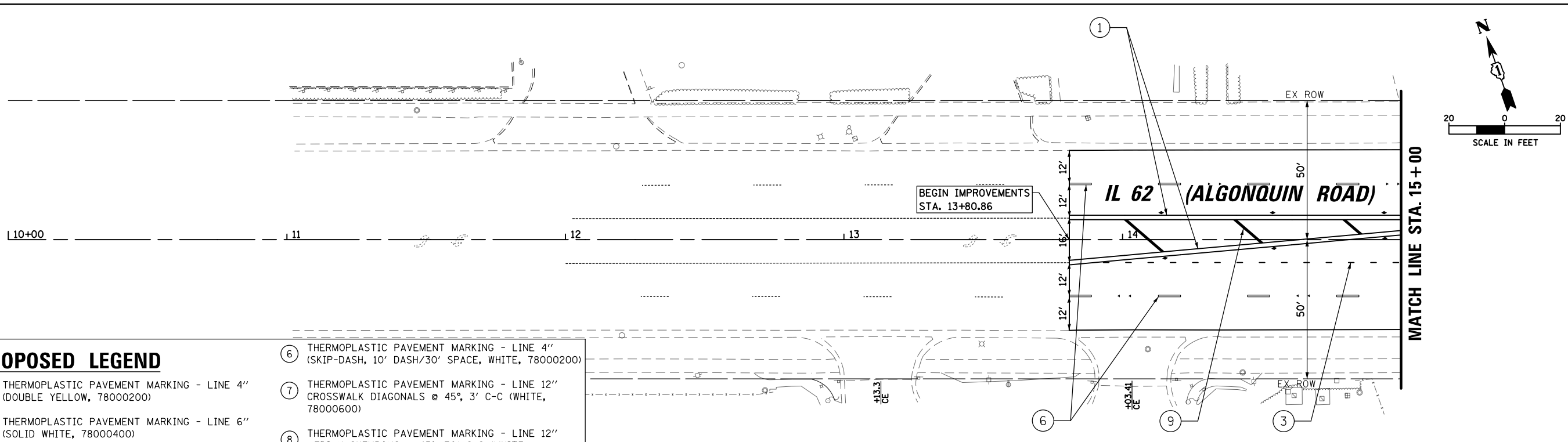
BORDER = 5 SCALE
CELLS = 20 SCALE

FILE NAME =	USER NAME = omisick	DESIGNED - JHN	REVISED - 10/20
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\ADAG_980361BR246.dgn		DRAWN - CAD	REVISED -
	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 11/6/2024	DATE - 11/6/2024	REVISED -

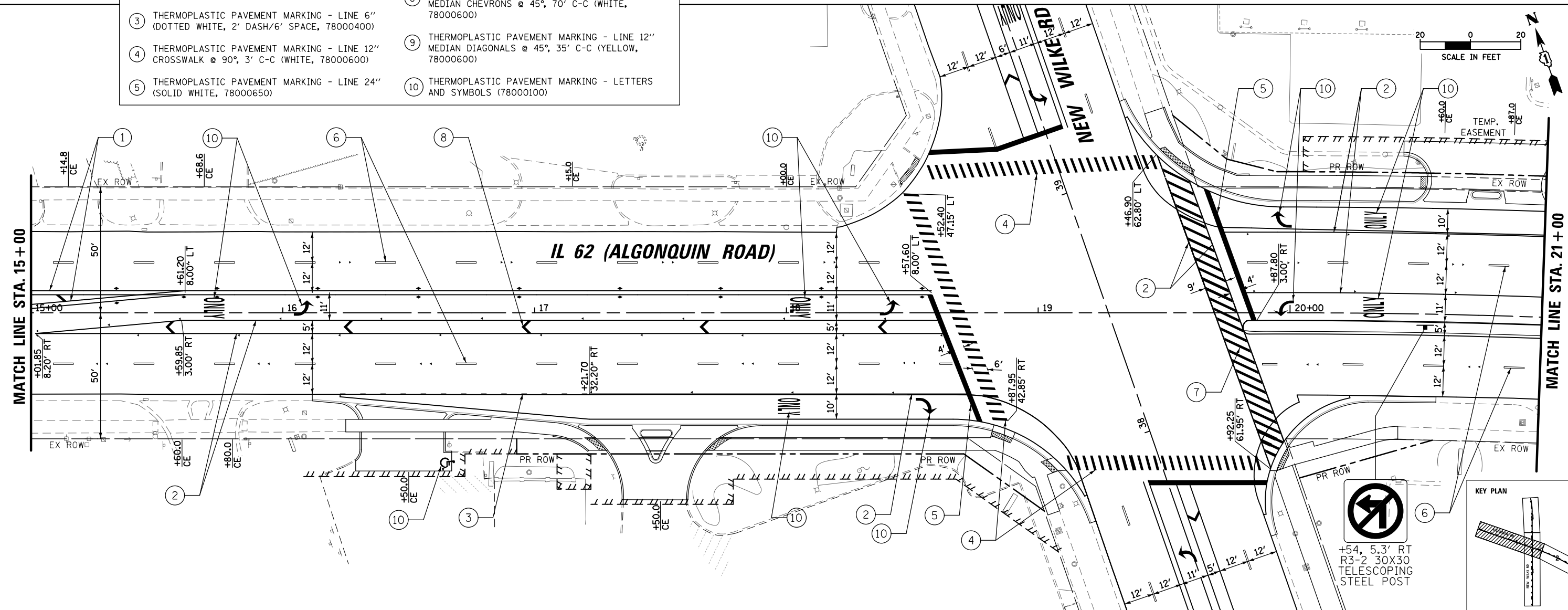
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN AND NEW WILKE ADA RAMP DETAILS			
ALGONQUIN COMMERCIAL ENTRANCE			
SCALE: 10'	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	58
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



PROPOSED LEGEND	
① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 78000200)	⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, 10' DASH/30' SPACE, WHITE, 78000200)
② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)	⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)
③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (DOTTED WHITE, 2' DASH/6' SPACE, 78000400)	⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN CHEVRONS @ 45°, 70' C-C (WHITE, 78000600)
④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK @ 90°, 3' C-C (WHITE, 78000600)	⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN DIAGONALS @ 45°, 35' C-C (YELLOW, 78000600)
⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)	⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) PAVEMENT MARKINGS PLAN			F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 59
#MODELNAME#	N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\PMKG_980361BR246_01.dgn	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA. 10+00	TO STA. 21+00	CONTRACT NO. 61K07	
	PLOT SCALE = 48"	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
	PLOT DATE = 11/6/2024	DATE -	REVISED -									

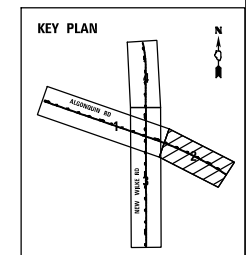
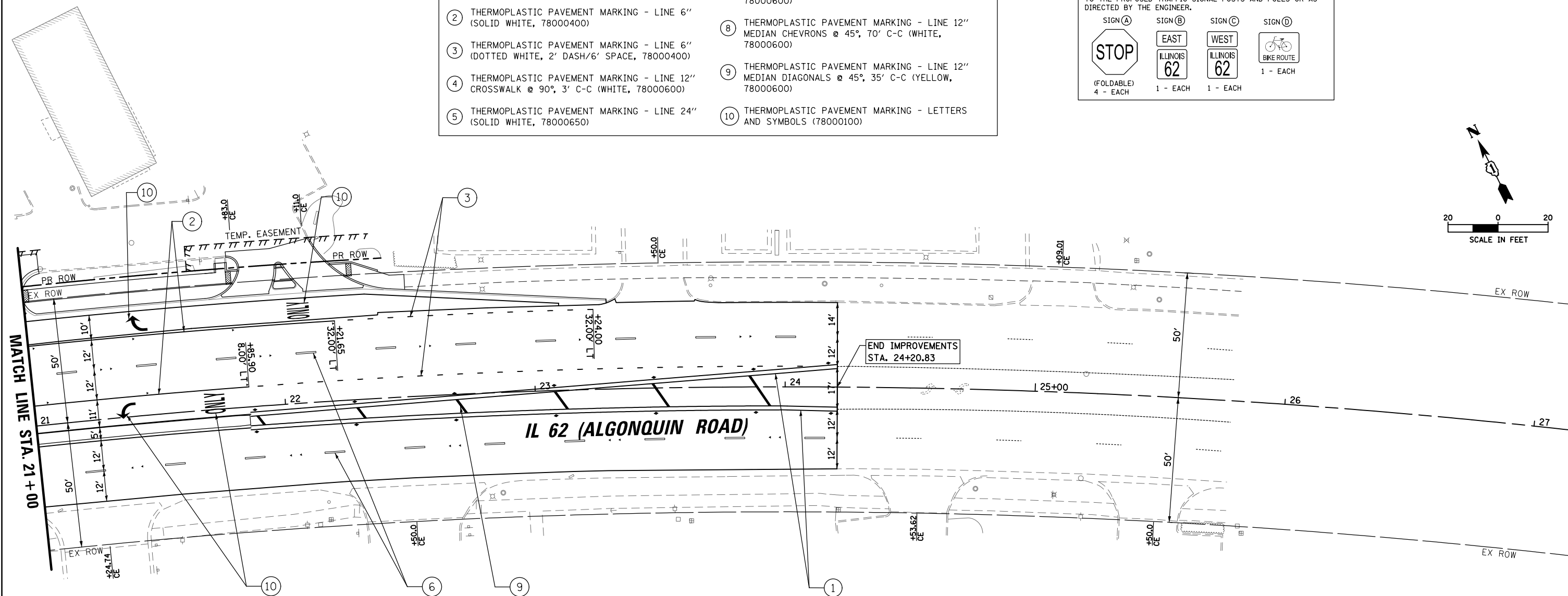
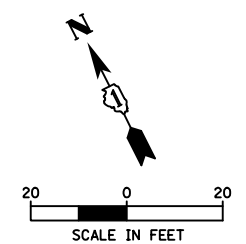
PROPOSED LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (DOTTED WHITE, 2' DASH/6' SPACE, 78000400)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK @ 90°, 3' C-C (WHITE, 78000600)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, 10' DASH/30' SPACE, WHITE, 78000200)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN CHEVRONS @ 45°, 70' C-C (WHITE, 78000600)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN DIAGONALS @ 45°, 35' C-C (YELLOW, 78000600)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)

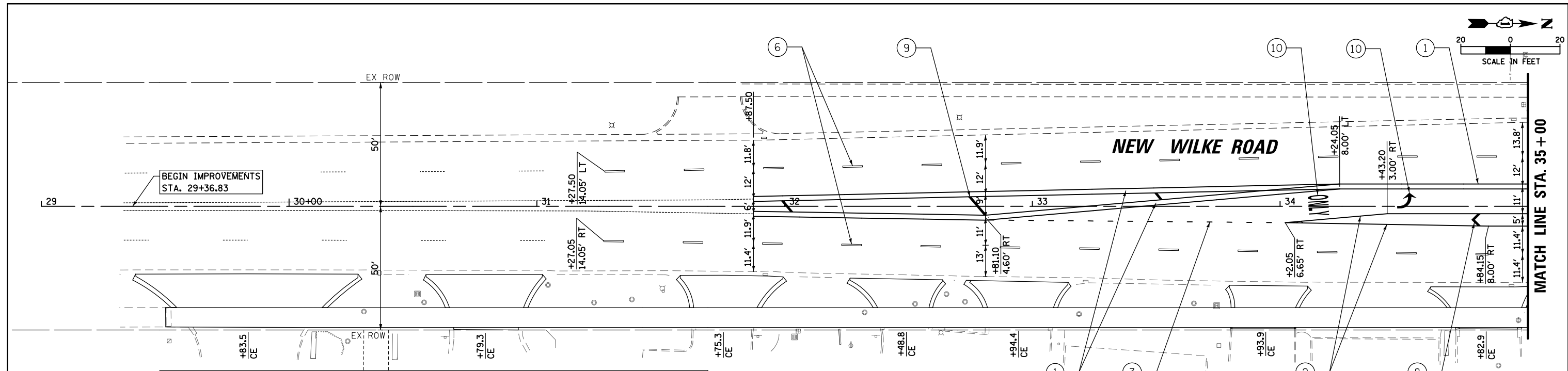
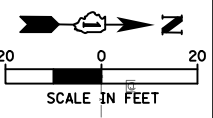
SIGN REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC AND GUIDE SIGNS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POSTS AND POLES OR AS DIRECTED BY THE ENGINEER.

SIGN (A) (FOLDABLE) 4 - EACH	SIGN (B) ILLINOIS 62 1 - EACH	SIGN (C) ILLINOIS 62 1 - EACH	SIGN (D) 1 - EACH
--	--	--	--------------------------



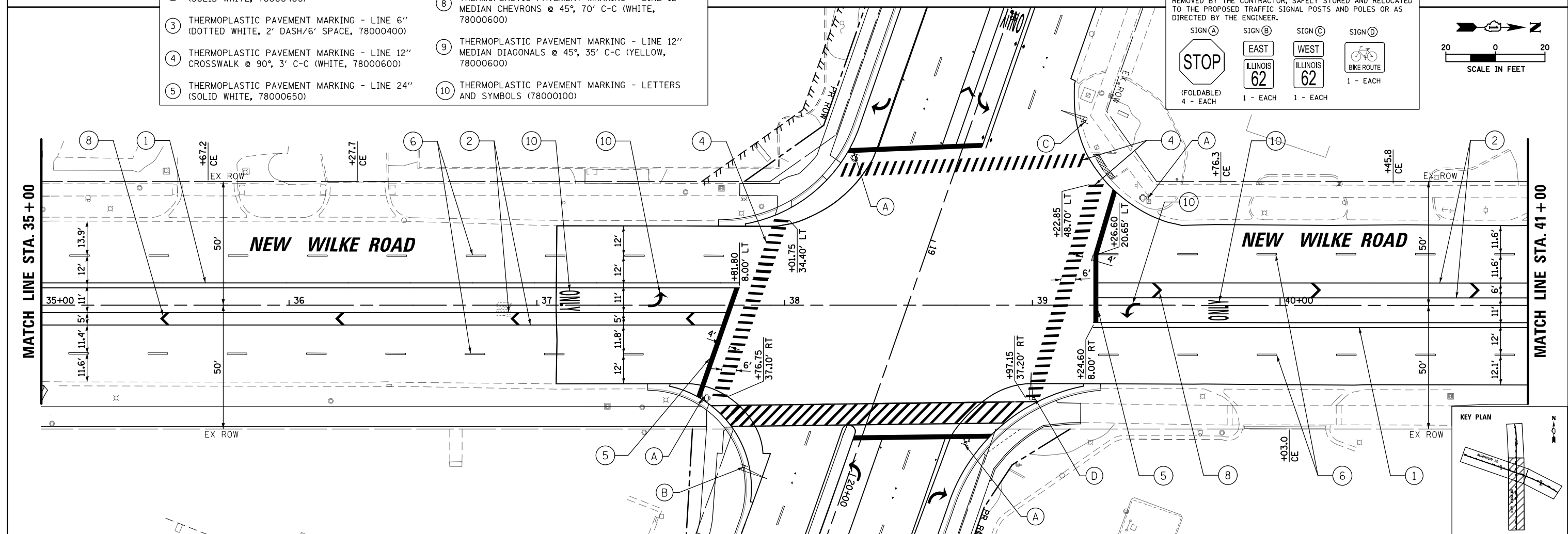
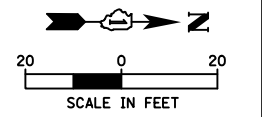
FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 62 (ALGONQUIN ROAD) PAVEMENT MARKINGS PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\PMKG_980361BR246_02.dgn	PLOT SCALE = 48"	DRAWN -	REVISED -		0339	SN 20-00124-00-CH	COOK	153	60			
MODELNAME	PLOT DATE = 11/6/2024	CHECKED -	REVISED -		SCALE: 1" = 20' SHEET OF SHEETS STA. 21+00 TO STA. 27+00			CONTRACT NO. 61K07				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



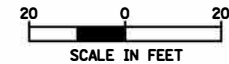
PROPOSED LEGEND	
① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 78000200)	⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, 10' DASH/30' SPACE, WHITE, 78000200)
② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)	⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)
③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (DOTTED WHITE, 2' DASH/6' SPACE, 78000400)	⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN CHEVRONS @ 45°, 70' C-C (WHITE, 78000600)
④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK @ 90°, 3' C-C (WHITE, 78000600)	⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN DIAGONALS @ 45°, 35' C-C (YELLOW, 78000600)
⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)	⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)

SIGN REMOVAL AND RELOCATION NOTES:
 THE FOLLOWING EXISTING TRAFFIC AND GUIDE SIGNS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POSTS AND POLES OR AS DIRECTED BY THE ENGINEER.

SIGN (A) (FOLDABLE) 4 - EACH	SIGN (B) ILLINOIS 62 1 - EACH	SIGN (C) ILLINOIS 62 1 - EACH	SIGN (D) 1 - EACH
--	--	--	--------------------------



FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD PAVEMENT MARKINGS PLAN			F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 61
MODELNAME	PLT SCALE = 48"	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET	OF SHEETS	STA. 29+00	TO STA. 31+00	ILLINOIS FED. AID PROJECT		
	PLT DATE = 11/6/2024	CHECKED -	REVISED -							CONTRACT NO. 61K07		
		DATE -	REVISED -									



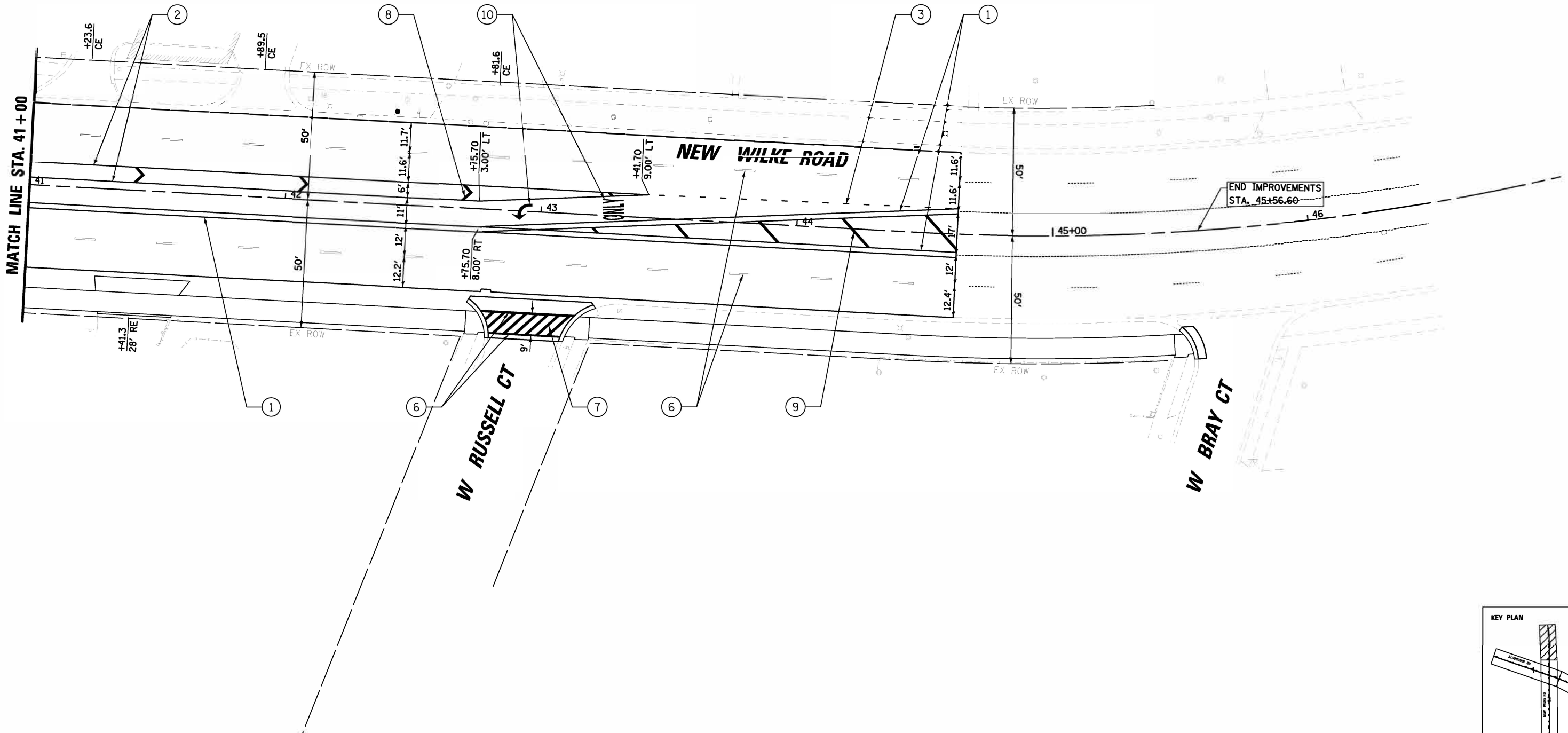
PROPOSED LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (DOTTED WHITE, 2' DASH/6' SPACE, 78000400)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK @ 90°, 3' C-C (WHITE, 78000600)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, 10' DASH/30' SPACE, WHITE, 78000200)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN CHEVRONS @ 45°, 70' C-C (WHITE, 78000600)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" MEDIAN DIAGONALS @ 45°, 35' C-C (YELLOW, 78000600)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)

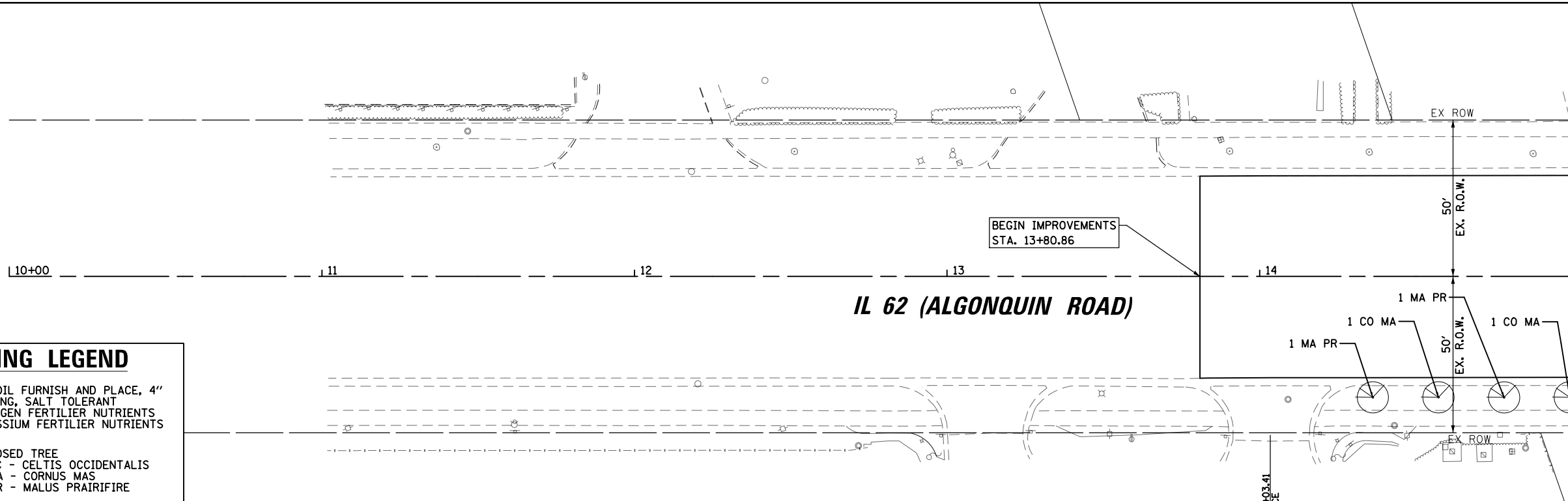
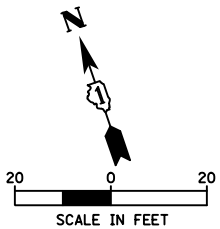
SIGN REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC AND GUIDE SIGNS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POSTS AND POLES OR AS DIRECTED BY THE ENGINEER.

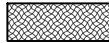

SIGN A (FOLDABLE) 4 - EACH	SIGN B ILLINOIS 62 1 - EACH	SIGN C ILLINOIS 62 1 - EACH	SIGN D 1 - EACH
--------------------------------------	--	--	------------------------

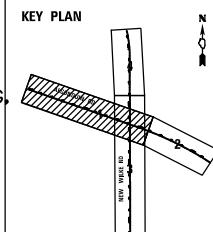
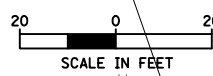
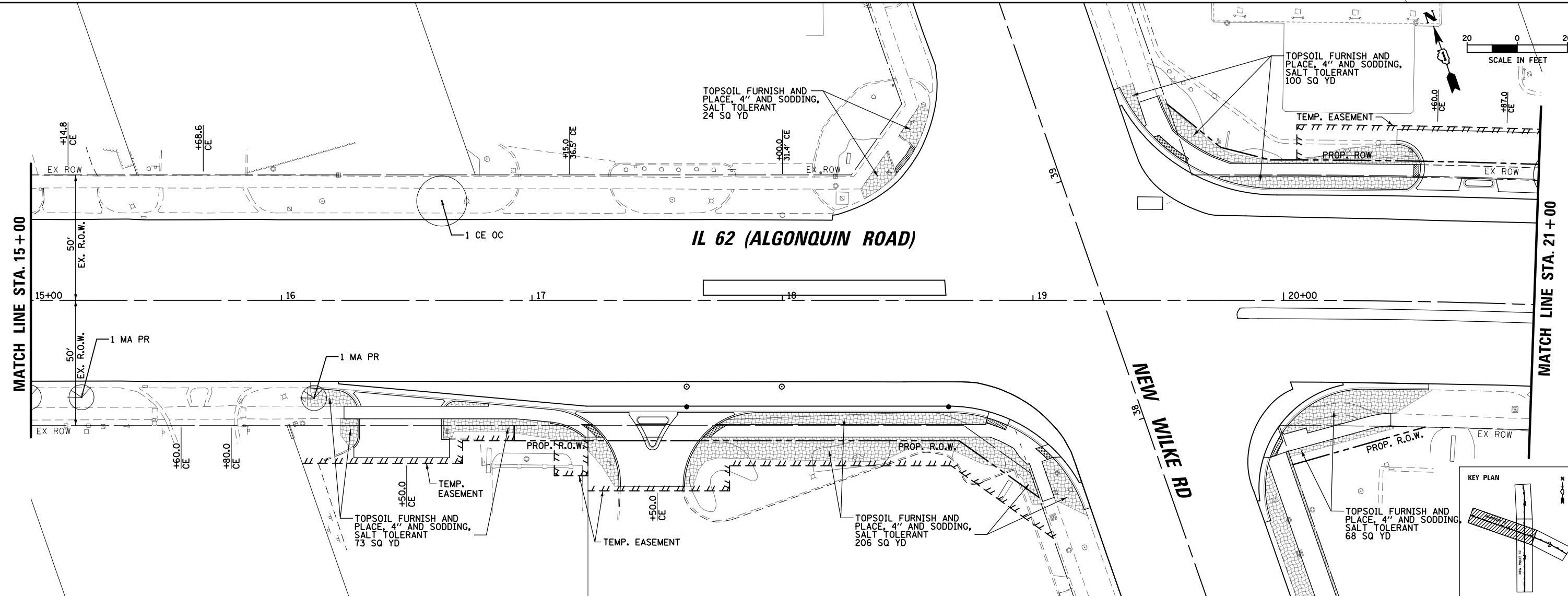


FILE NAME =	USER NAME = amissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NEW WILKE ROAD PAVEMENT MARKINGS PLAN			F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 62
DIR: N:\ROLLINGMEADOWS\980361BR\BR200\980361BR246\Civil\PMKG_980361BR246_04.dgn	PLT SCALE = 48"	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA. 41+00	TO STA. END	CONTRACT NO. 61K07	
#MODELNAME#	PLT DATE = 11/6/2024	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

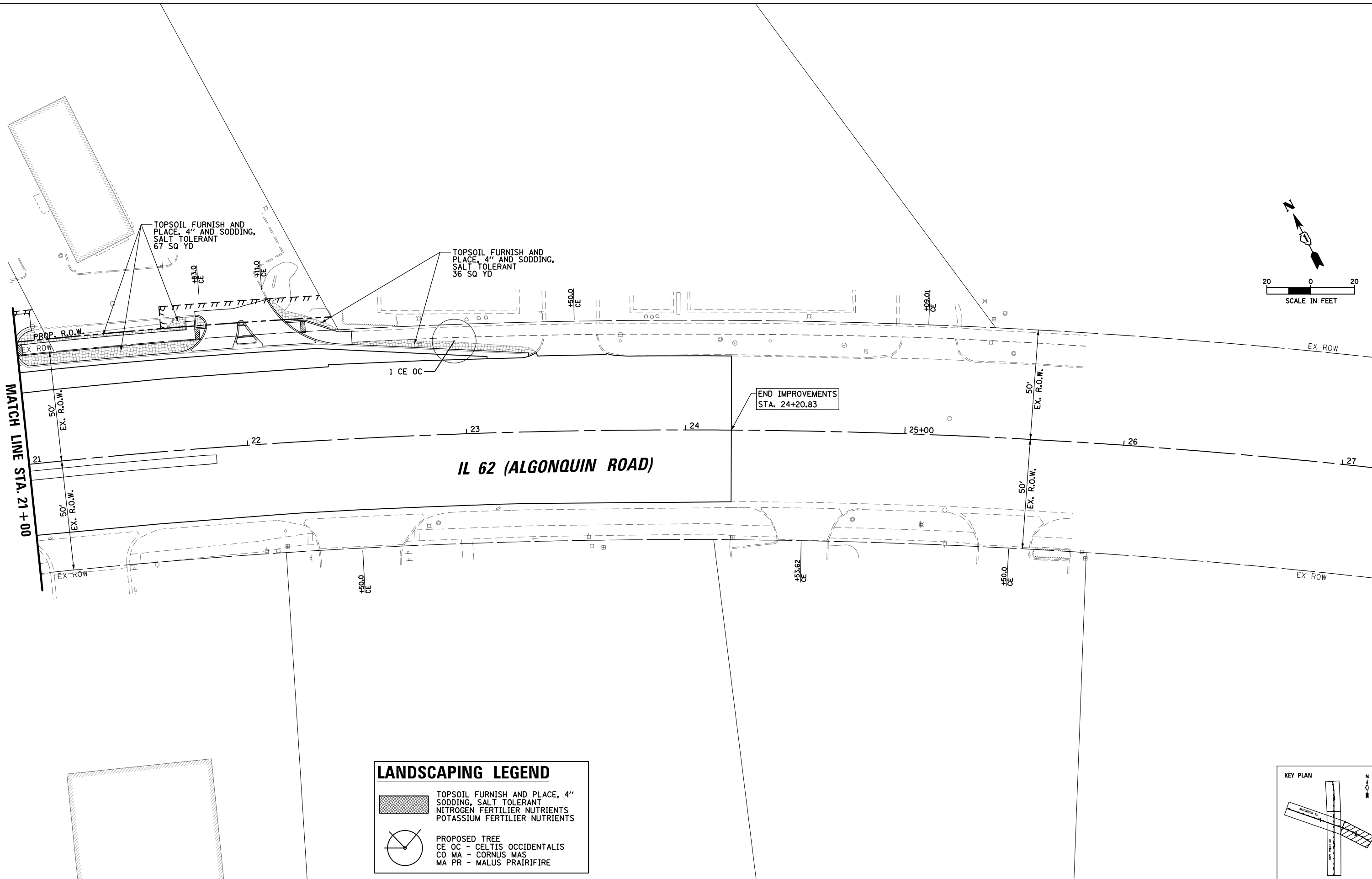
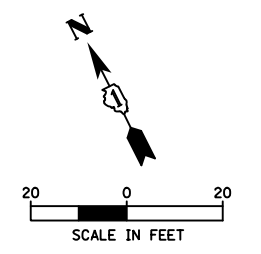


LANDSCAPING LEGEND

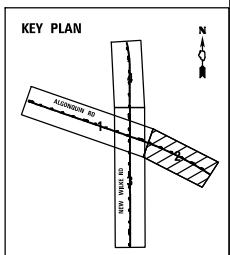
 TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT NITROGEN FERTILIER NUTRIENTS POTASSIUM FERTILIER NUTRIENTS
 PROPOSED TREE
 CE OC - CELTIS OCCIDENTALIS
 CO MA - CORNUS MAS
 MA PR - MALUS PRAIRIFIRE



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) LANDSCAPING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\LAND_980361BR246_01.dgn		DRAWN -	REVISED -		0339	SN 20-00124-00-CH	COOK	153	63			
MODELNAME	PLOT SCALE = 48"	CHECKED -	REVISED -		SCALE: 1" = 20'			CONTRACT NO. 61K07				
	PLOT DATE = 11/6/2024	DATE -	REVISED -		SHEET OF SHEETS		STA. 10+00 TO STA. 21+00		ILLINOIS FED. AID PROJECT			



LANDSCAPING LEGEND	
	TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT NITROGEN FERTILIER NUTRIENTS POTASSIUM FERTILIER NUTRIENTS
	PROPOSED TREE
	CE OC - CELTIS OCCIDENTALIS
	CO MA - CORNUS MAS
	MA PR - MALUS PRAIRIFIRE

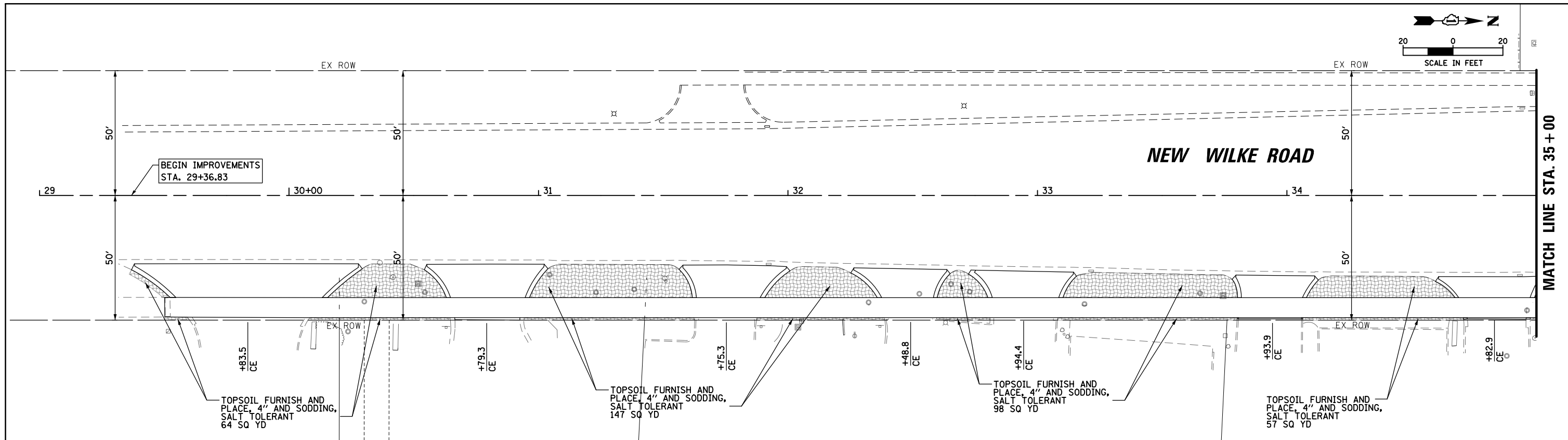


FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200's\980361BR246\Civil\LAND_980361BR246_02.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48"	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE -	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

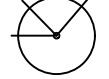
IL 62 (ALGONQUIN ROAD) LANDSCAPING PLAN			
SCALE: 1" = 20'	SHEET	OF	SHEETS
	STA. 21+00		TO STA. 27+00

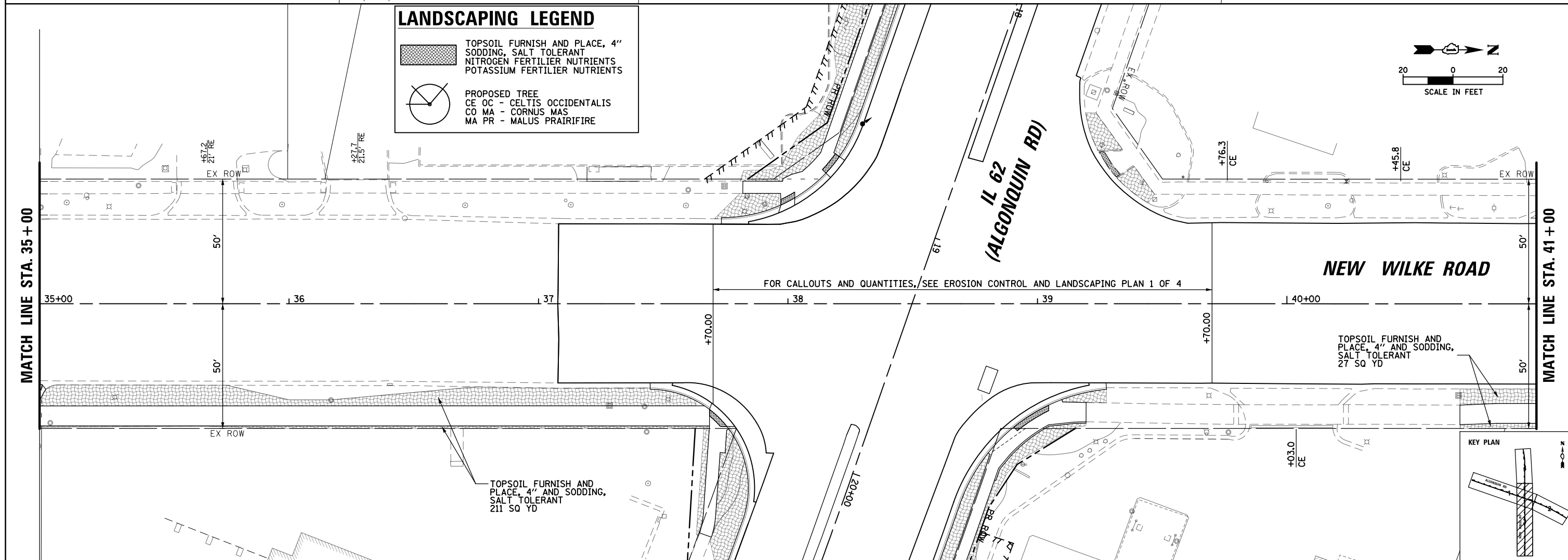
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	64
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



LANDSCAPING LEGEND

 TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
 NITROGEN FERTILIER NUTRIENTS
 POTASSIUM FERTILIER NUTRIENTS

 PROPOSED TREE
 CE OC - CELTIS OCCIDENTALIS
 CO MA - CORNUS MAS
 MA PR - MALUS PRAIRIFIRE



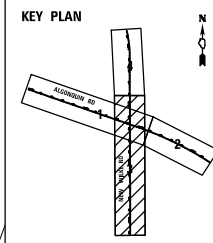
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\LAND_980361BR246_03.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48"	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 11/6/2024	DATE -	REVISED -

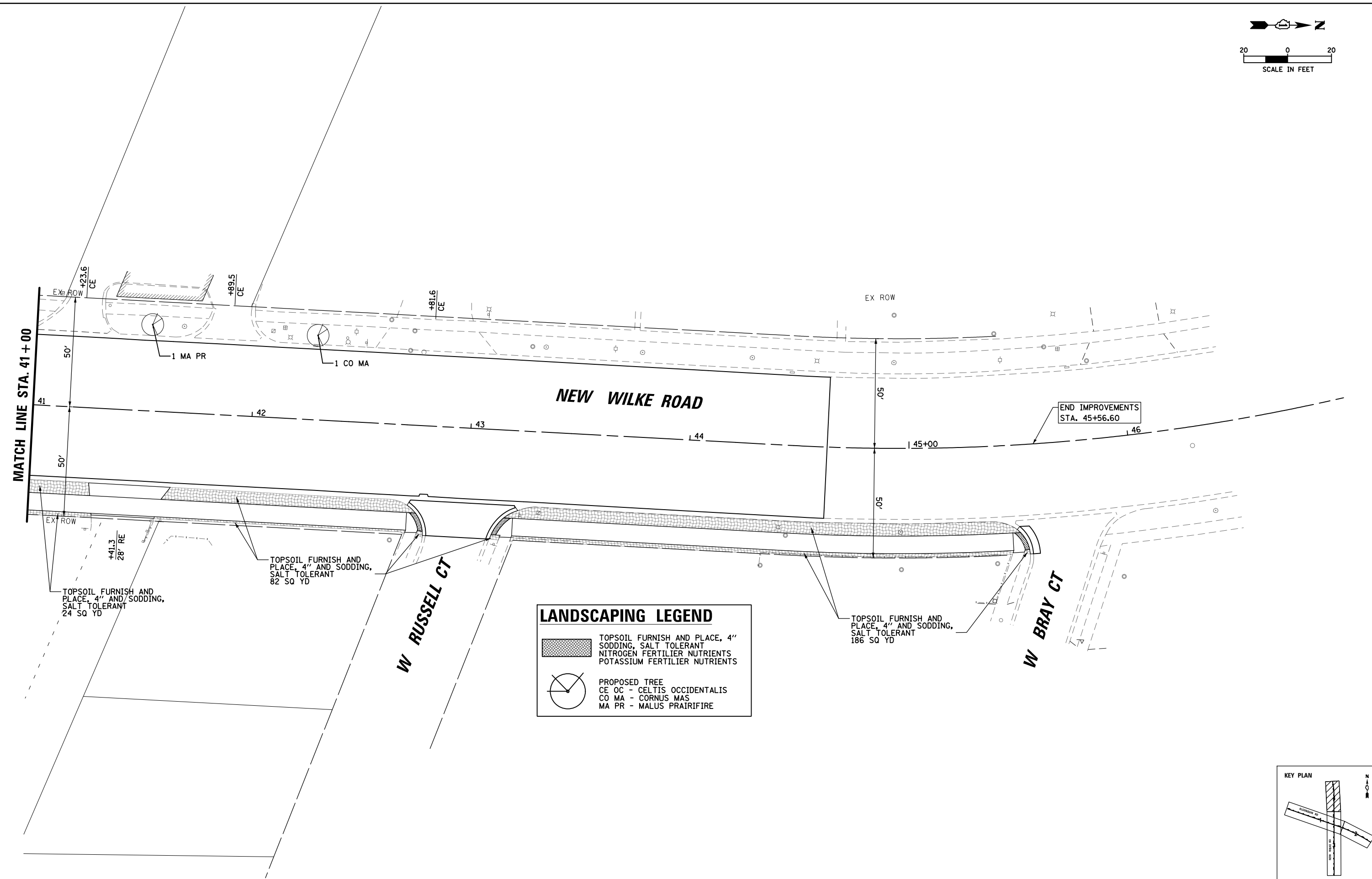
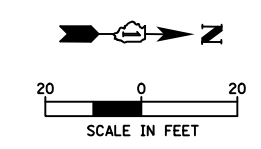
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NEW WILKE ROAD
LANDSCAPING PLAN**

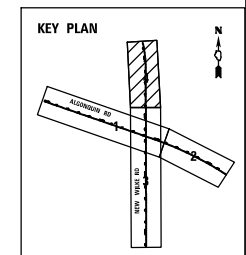
SCALE: 1" = 20' SHEET OF SHEETS STA. 29+00 TO STA. 31+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	65
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				





LANDSCAPING LEGEND	
	TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT NITROGEN FERTILIER NUTRIENTS POTASSIUM FERTILIER NUTRIENTS
	PROPOSED TREE CE OC - CELTIS OCCIDENTALIS CO MA - CORNUS MAS MA PR - MALUS PRAIRIFIRE



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200's\980361BR246\Civil\LAND_980361BR246_04.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48'	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEW WILKE ROAD
LANDSCAPING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 41+00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	66
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

TS SHT NO. 1

USER NAME = footemj	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

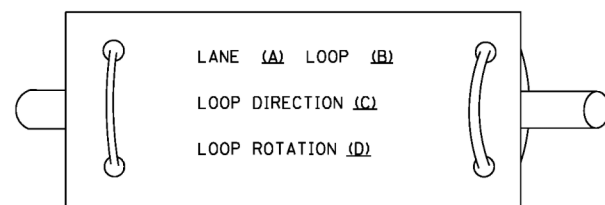
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. _____	TO STA. _____

F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 67
TS-05			CONTRACT NO. 61K07	
ILLINOIS FED. AID PROJECT				

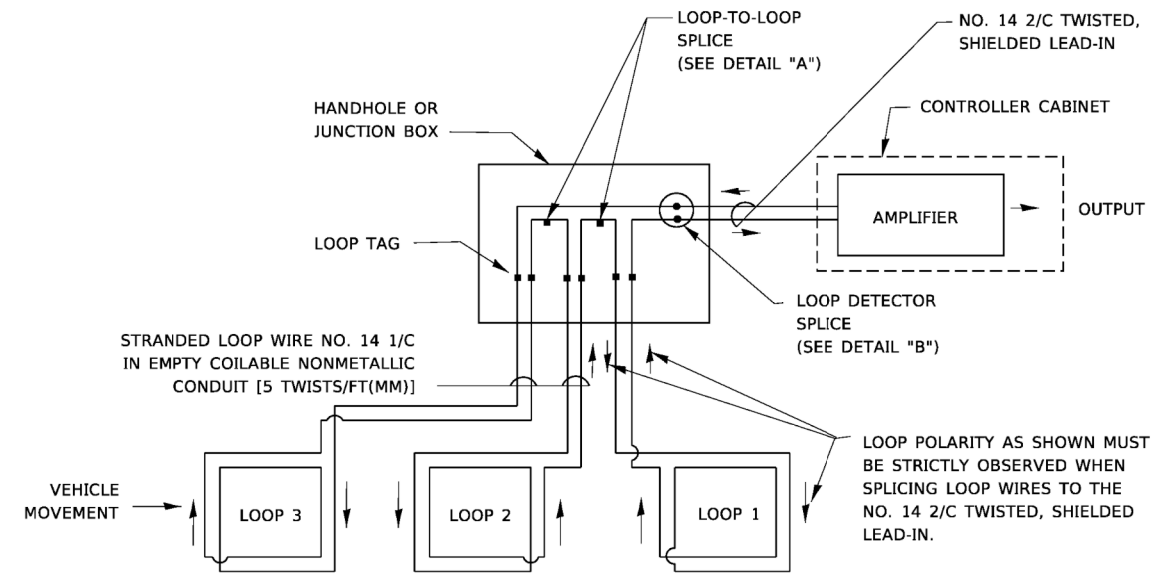
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

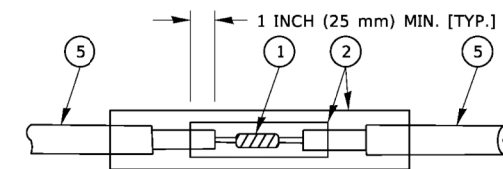


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

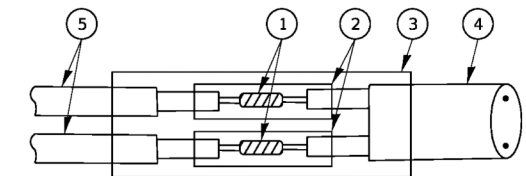


DETECTOR LOOP WIRING SCHEMATIC

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

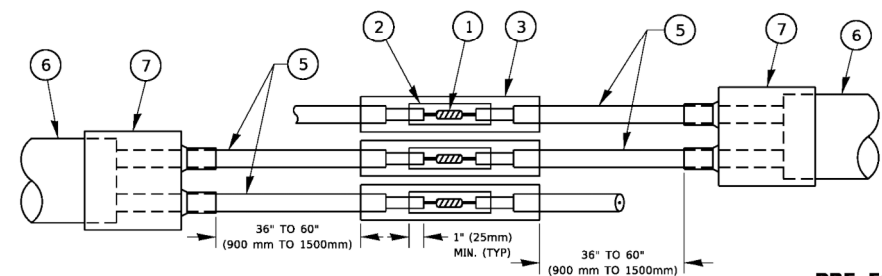


DETAIL "A"
LOOP-TO-LOOP SPLICE

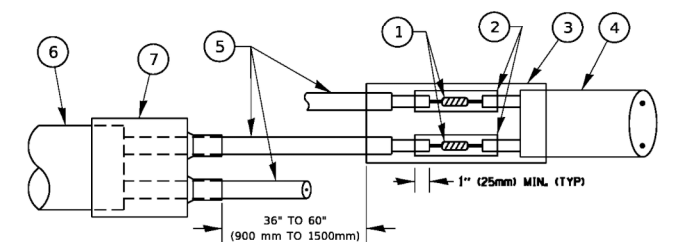


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

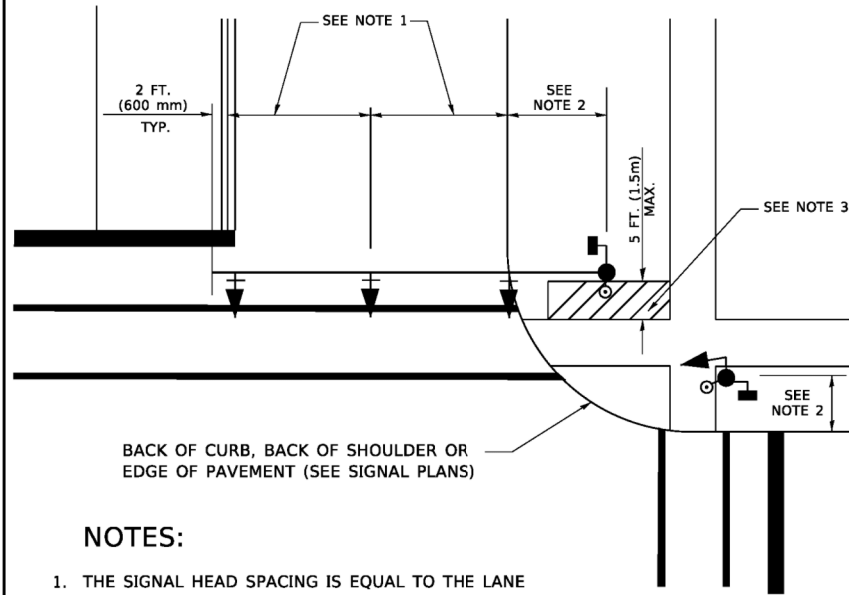
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER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

TS SHT NO. 2

USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 68
PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED -		SCALE: NONE	SHEET 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61K07	
PLOT DATE = 3/4/2019	CHECKED -	REVISED -				ILLINOIS		FED. AID PROJECT		
	DATE -	REVISED -								

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

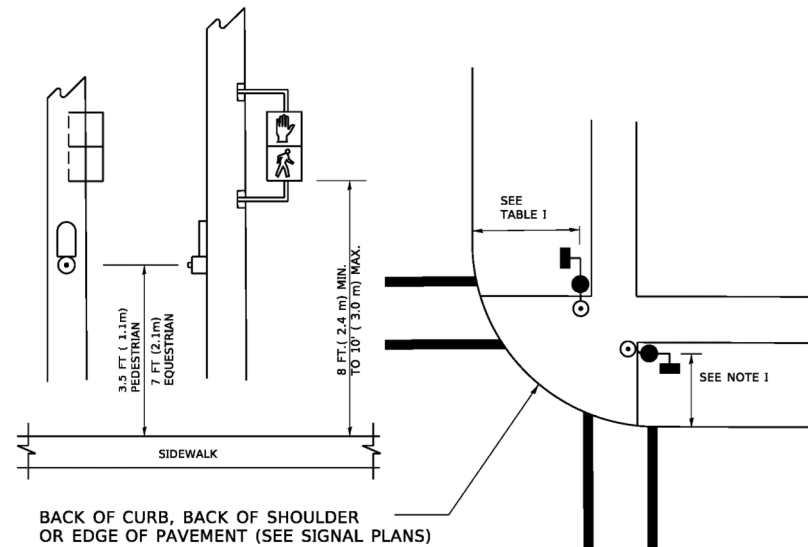
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

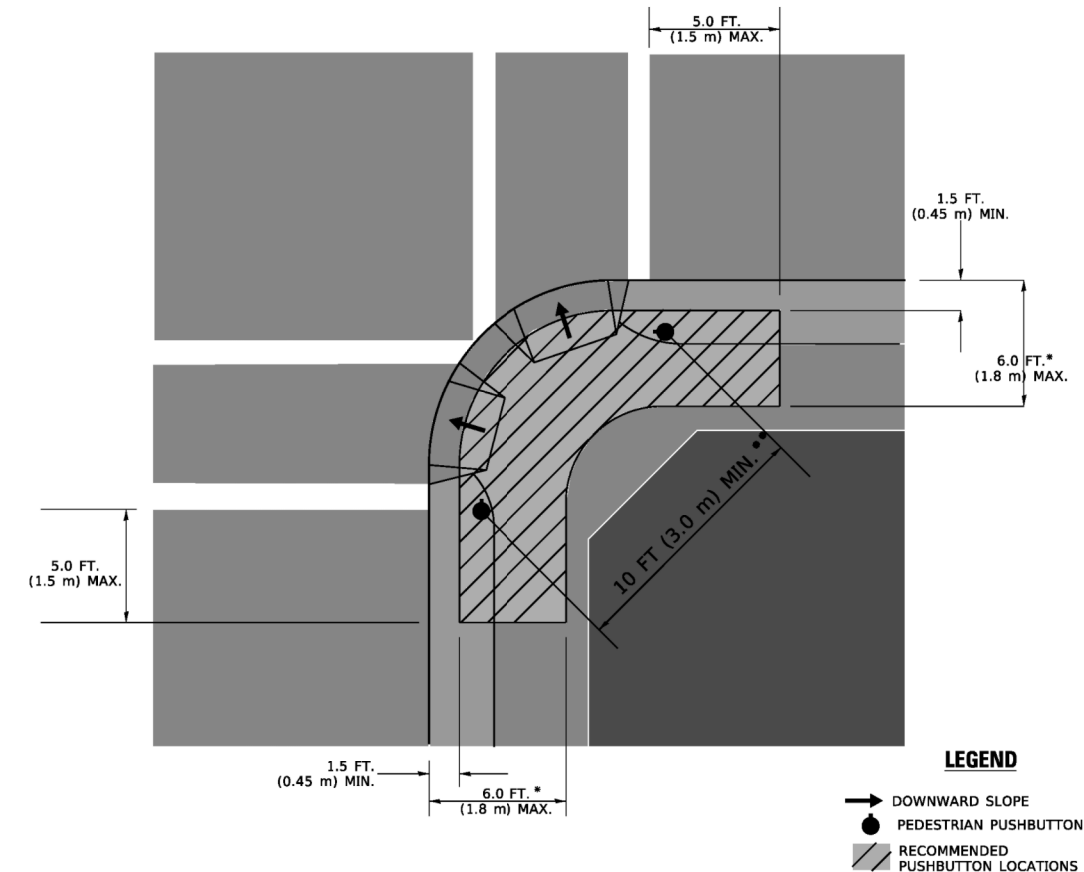
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

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

TS SHT NO. 3

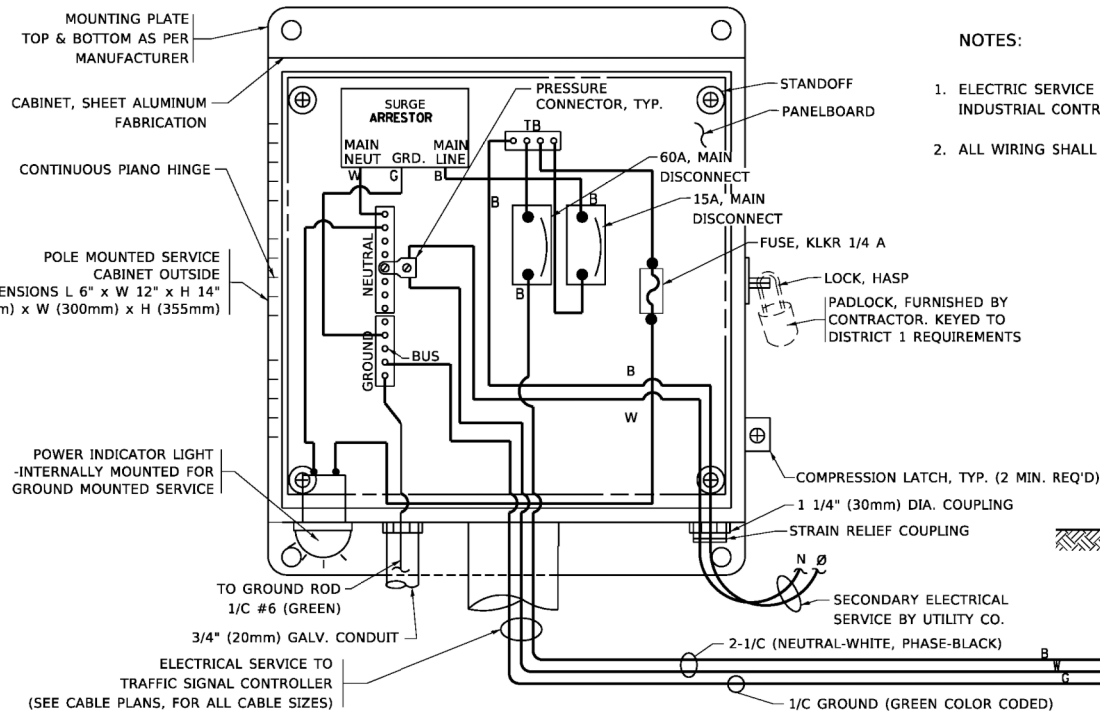
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000" / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

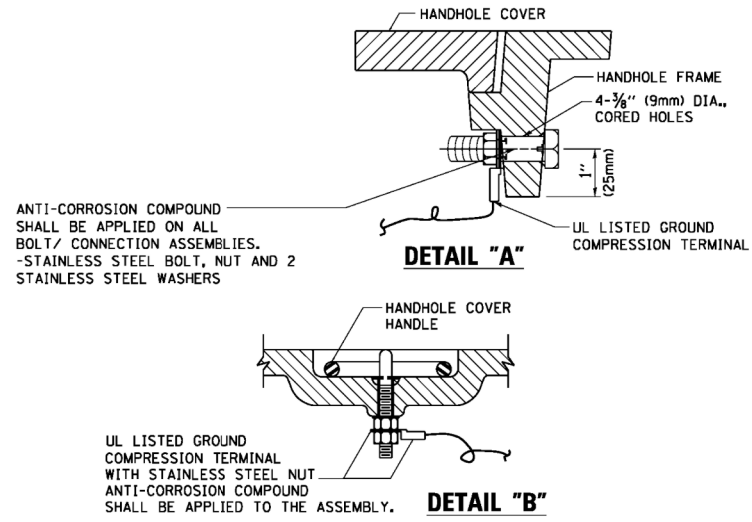
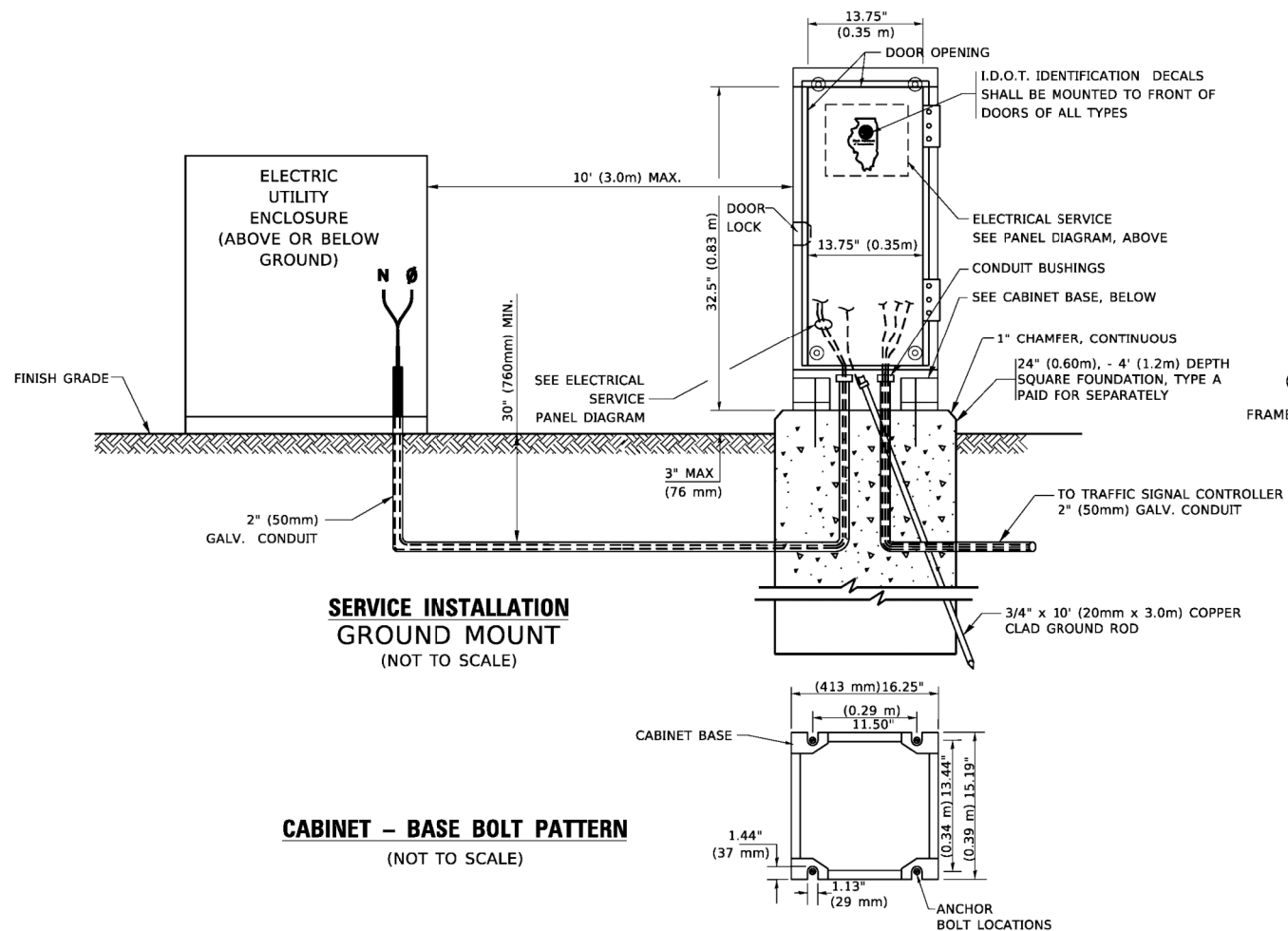
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	20-00124-00-CH	COOK	153	69
TS-05		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				

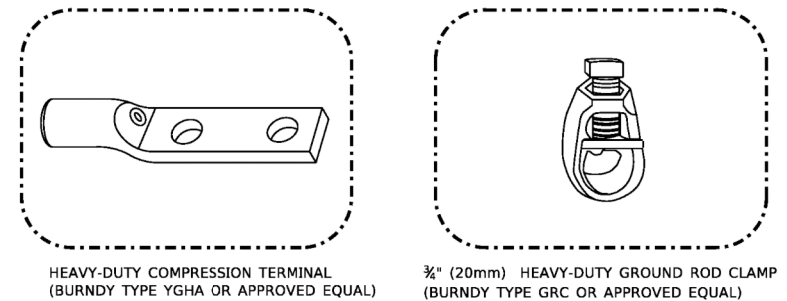
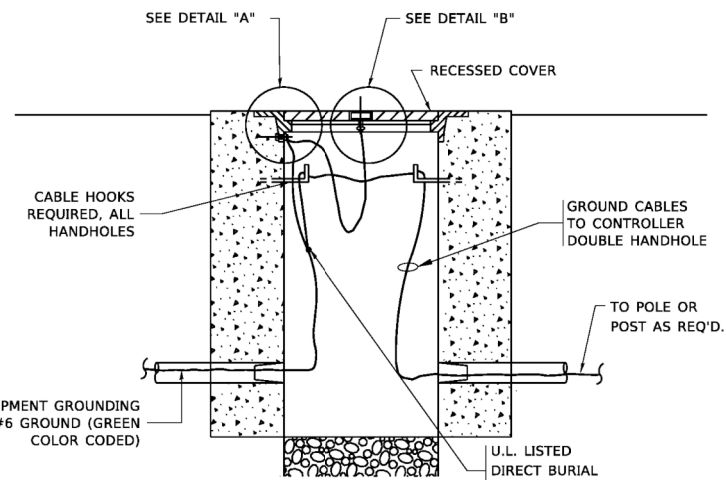


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



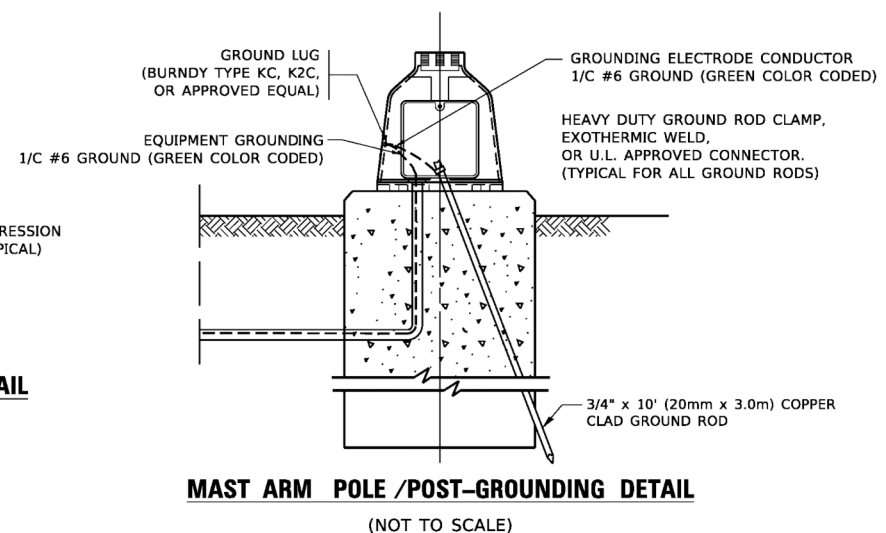
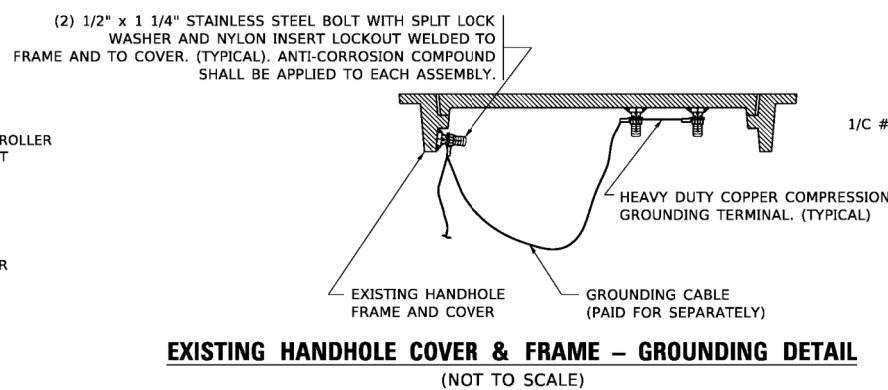
NOTES:
GROUNDING SYSTEM

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



NOTES:

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



TS SHT NO. 4

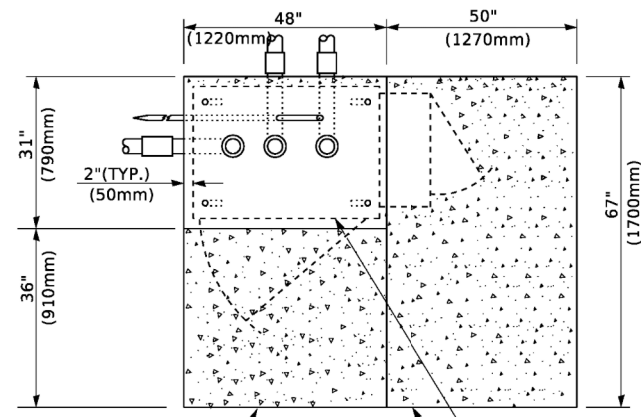
USER NAME = footem	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

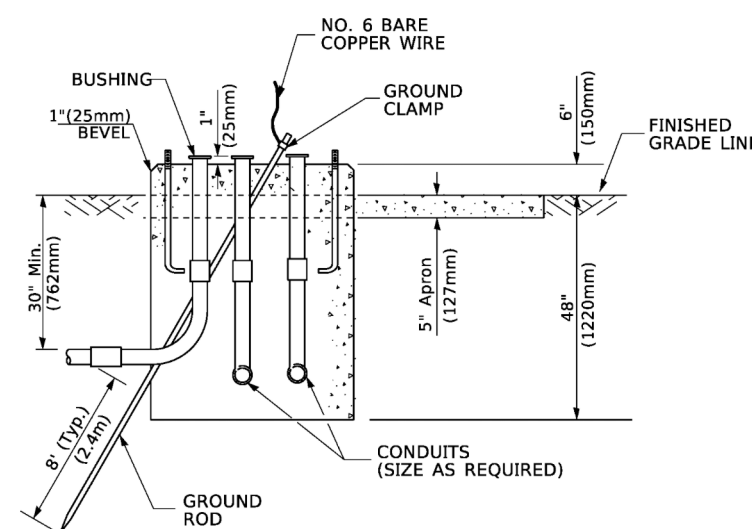
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

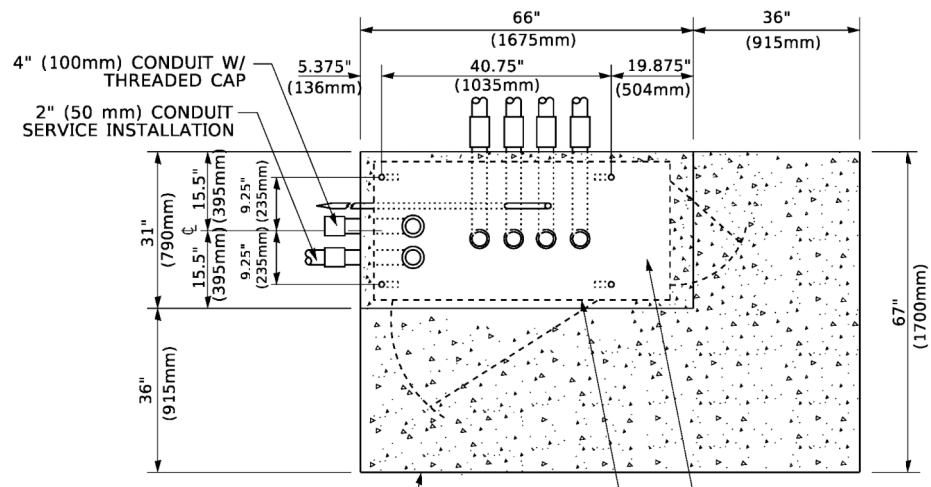
F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 70
TS-05		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				



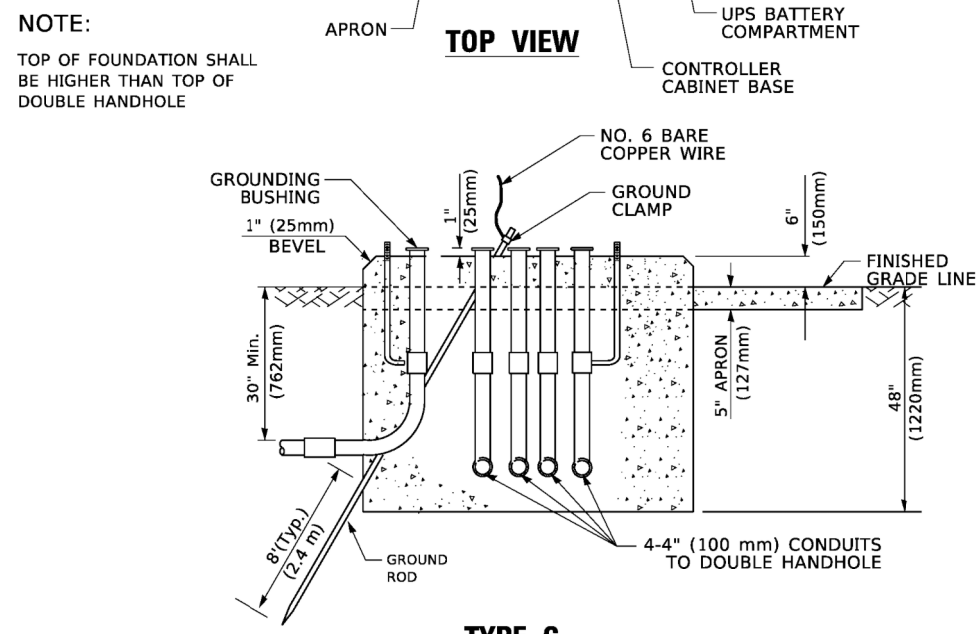
TOP VIEW



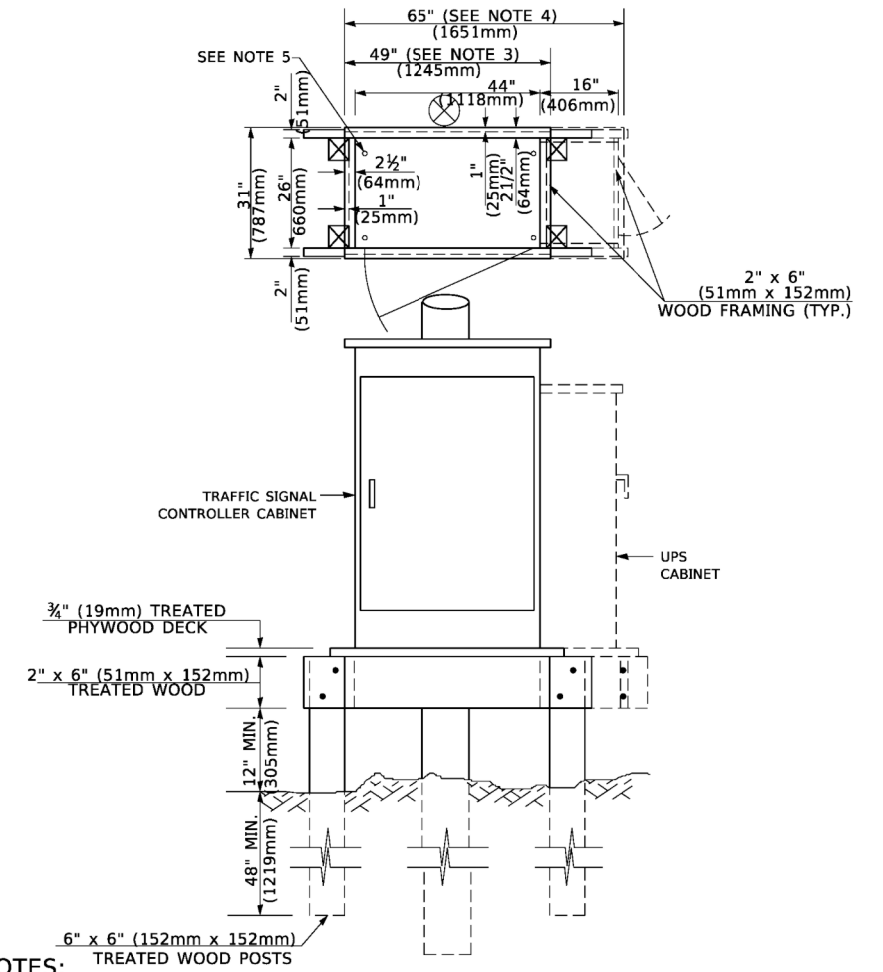
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



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



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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

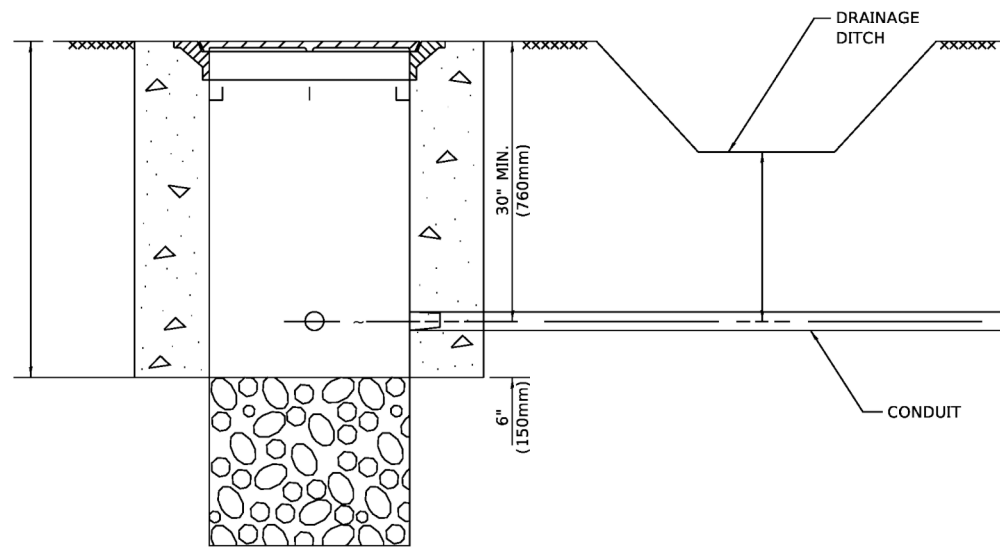
TS SHT NO. 5

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000" / 1"	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 5 OF 7 SHEETS	STA. TO STA.	

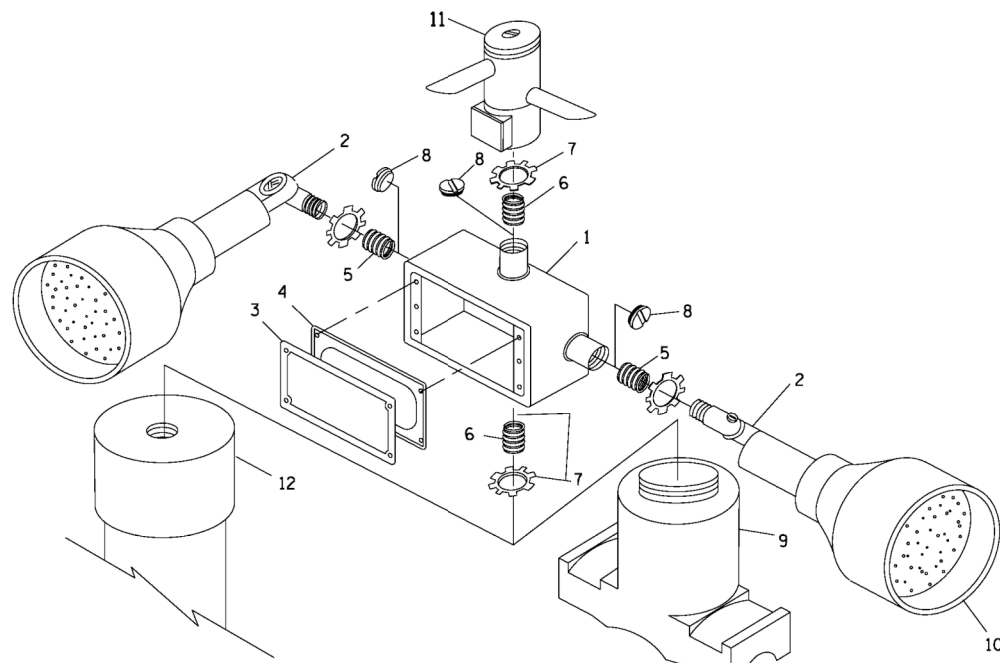
F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 71
TS-05		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				



NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

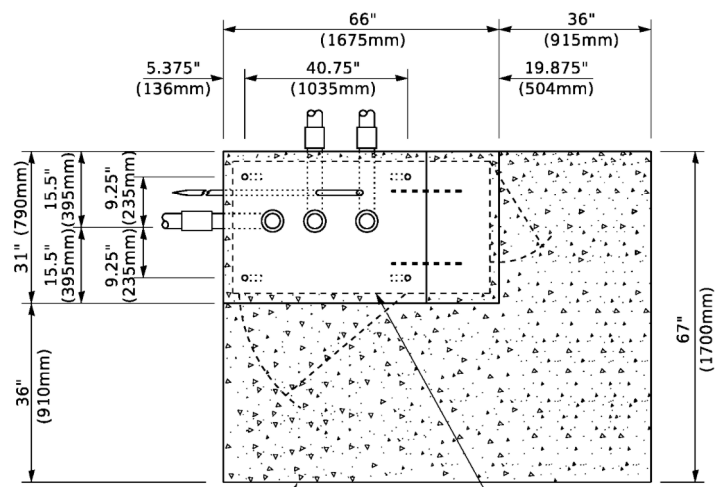


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

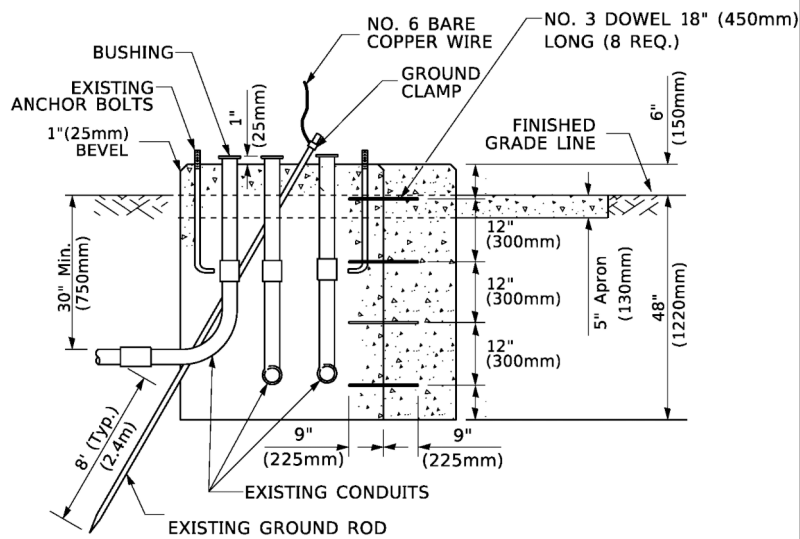
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

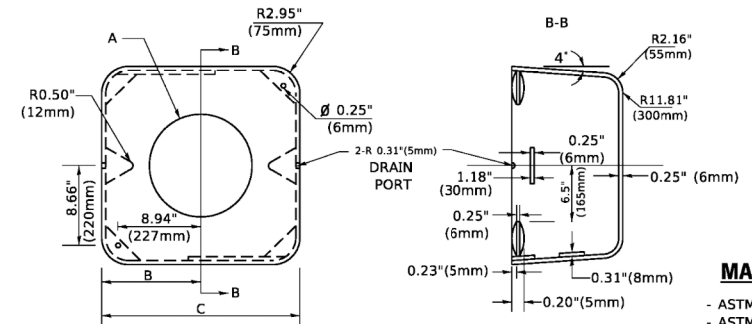
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE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



TOP VIEW
(NOT TO SCALE)



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



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

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

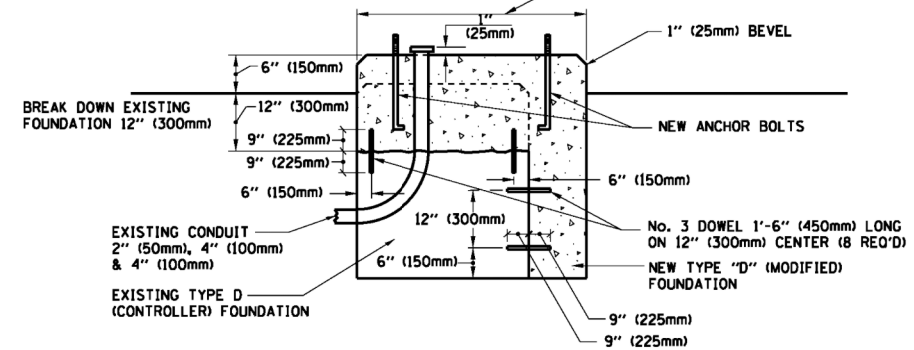
SHROUD

NOTES:

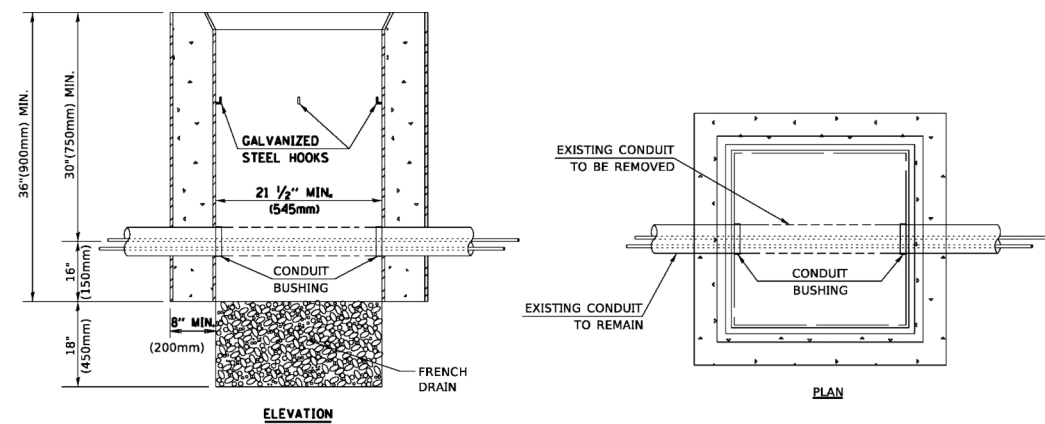
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

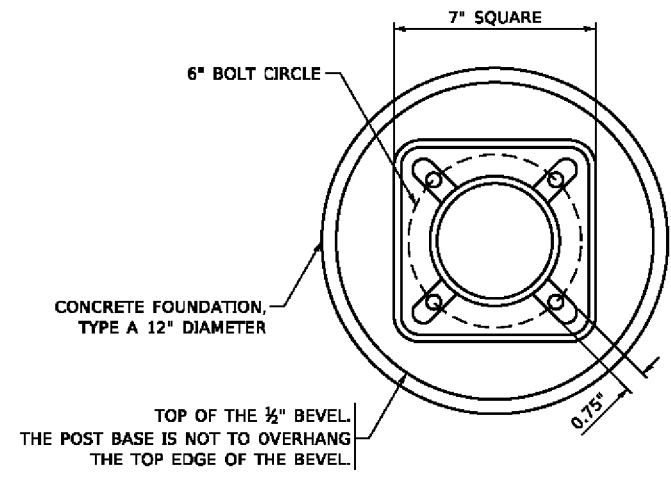
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

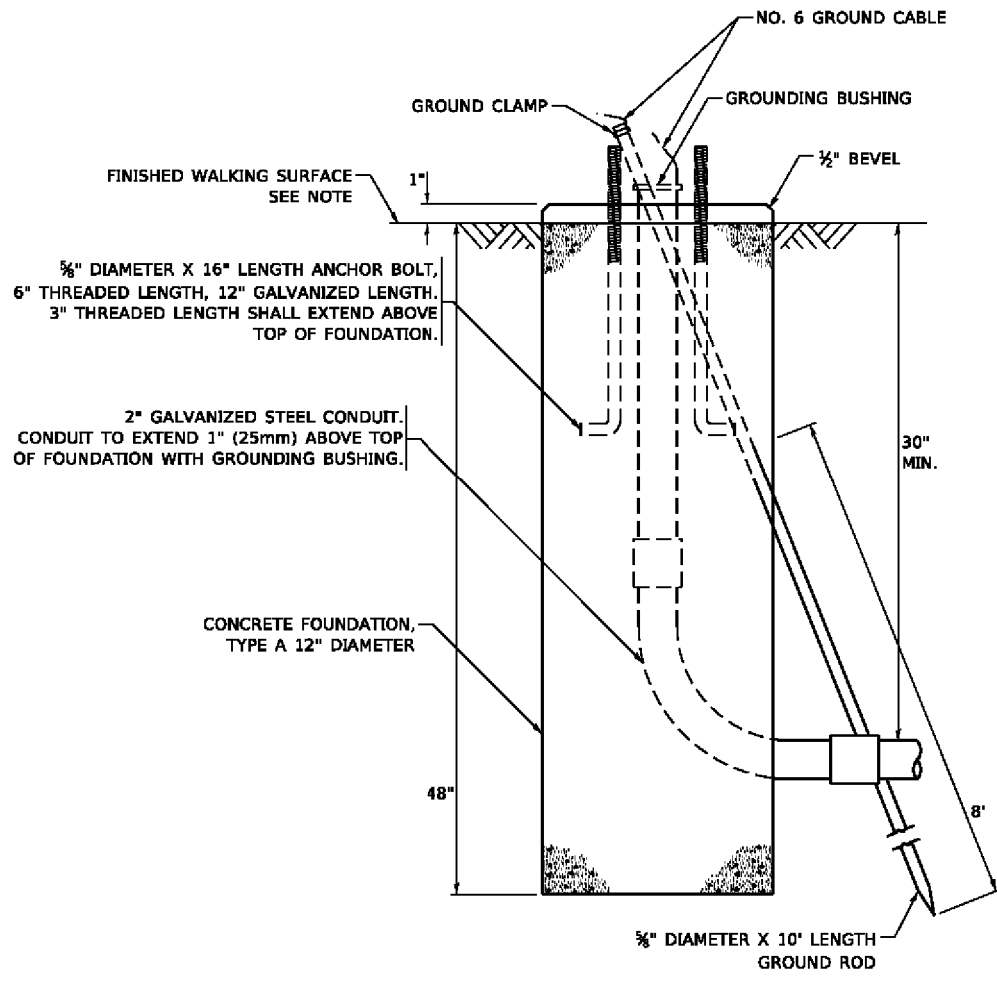
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 72
TS-05		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				

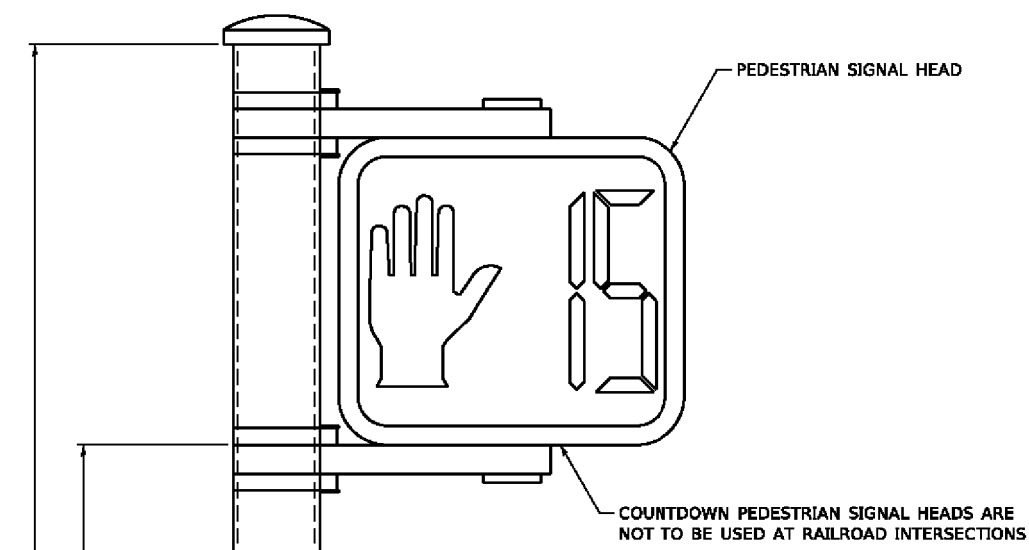


BOLT PATTERN

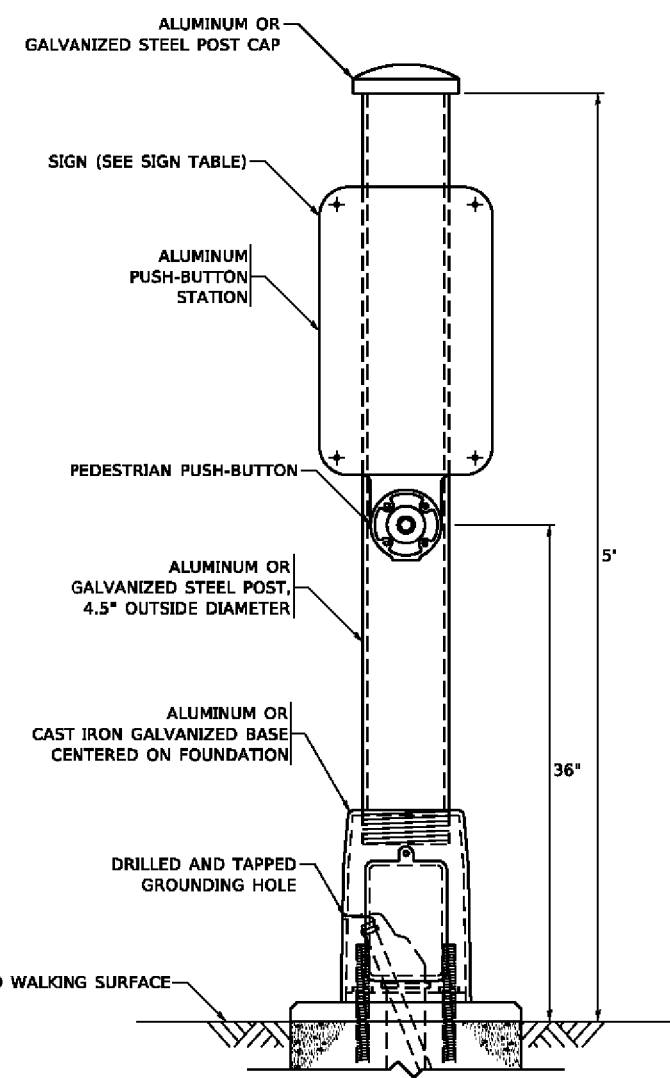
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



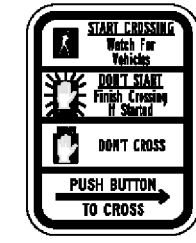
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



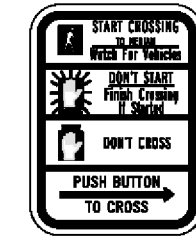
PEDESTRIAN SIGNAL POST, 10 FT.



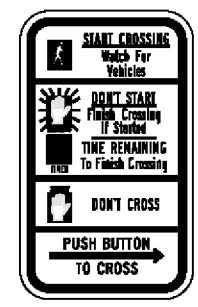
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

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

TS SHT NO. 7

USER NAME = gagl/andb	DESIGNED - IP	REVISED - 10-15-2020
PLOT SCALE = 300.0000' / in.	DRAWN - IP	REVISED -
PLOT DATE = 11/23/2020	CHECKED - LP	REVISED -
	DATE - 10-15-2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

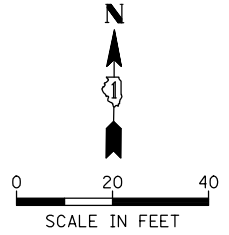
F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 73
TS-05		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				

DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA WITHIN THE PROJECT LIMITS, CONTRACTOR SHALL NOTIFY THE CITY OF ROLLING MEADOWS AND REDSPEED ILLINOIS, LLC PRIOR TO THE START OF CONSTRUCTION.

CITY OF ROLLING MEADOWS
3600 KIRCHOFF RD,
ROLLING MEADOWS, IL 60008
(847) 394-8500

REDSPEED ILLINOIS, LLC
400 EISENHOWER LANE NORTH
LOMBARD, IL 60148
(630) 317-5700

THE CITY OF ROLLING MEADOWS OR REDSPEED ILLINOIS, LLC SHALL MAKE THE RLR CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE FOR THE EXISTING INTERCONNECT TO THE EAST TO MARKET PL/WALMART ENTRANCE FROM THE EXISTING TRAFFIC SIGNAL CONTROLLER AND PULL THE CABLE BACK TO THE EXISTING INTERCONNECT HANDHOLE. THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE SHALL BE RE-INSTALLED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET.
- ② THE CONTRACTOR SHALL REMOVE AND RELOCATE THE PTZ CAMERA TO THE TEMPORARY TRAFFIC SIGNAL AND SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE THE PTZ CAMERA TO THE PROPOSED MAST ARM ONCE THE PERMANENT SIGNAL IS OPERATIONAL (SEE TRAFFIC SIGNAL MODERNIZATION PLAN).

REMOVAL AND RELOCATION NOTES:

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

- 1 EACH CONTROLLER
- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY (UPS)
- 2 EACH STREET NAME SIGN

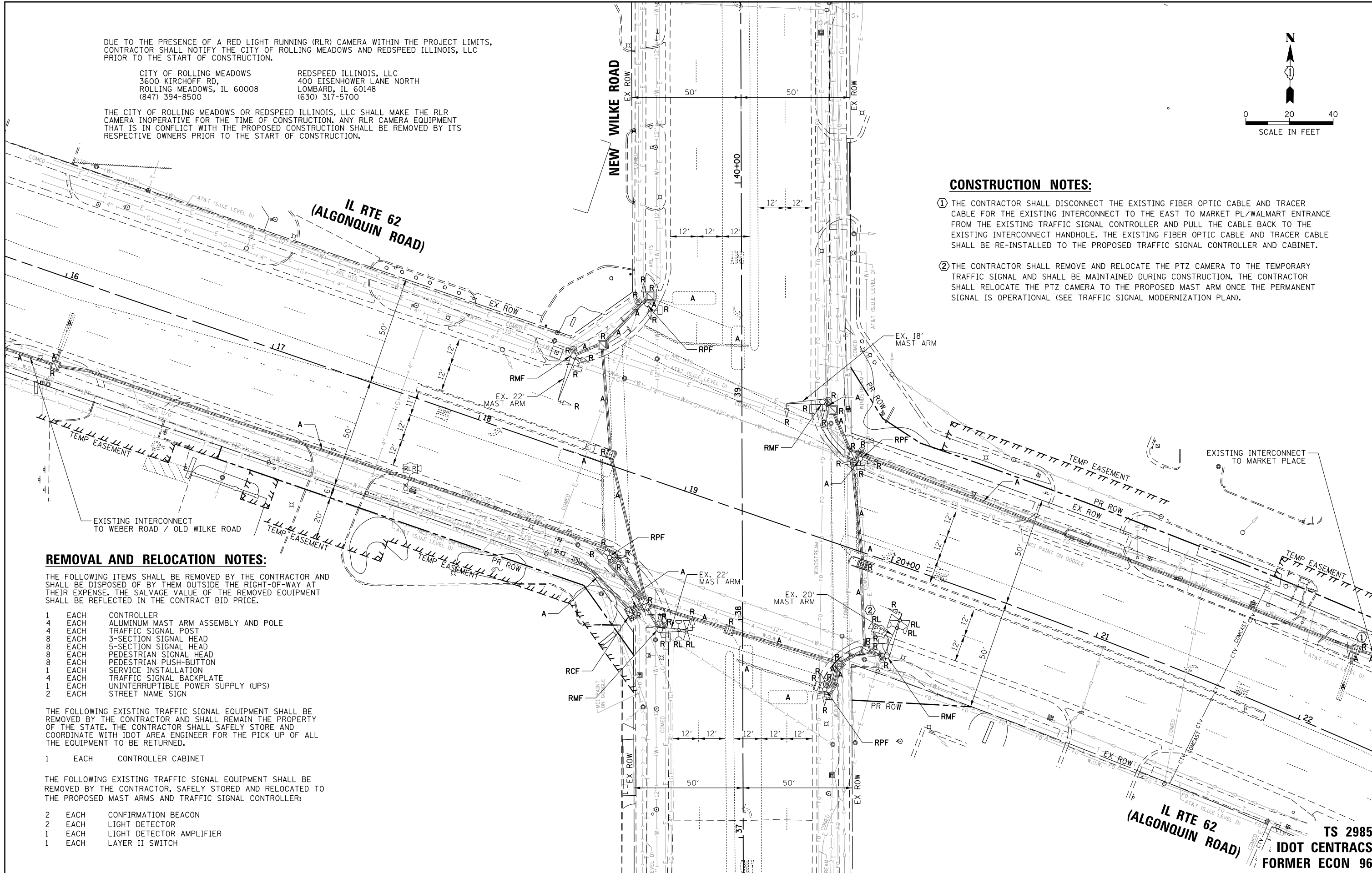
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE STATE. THE CONTRACTOR SHALL SAFELY STORE AND COORDINATE WITH IDOT AREA ENGINEER FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED.

- 1 EACH CONTROLLER CABINET

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

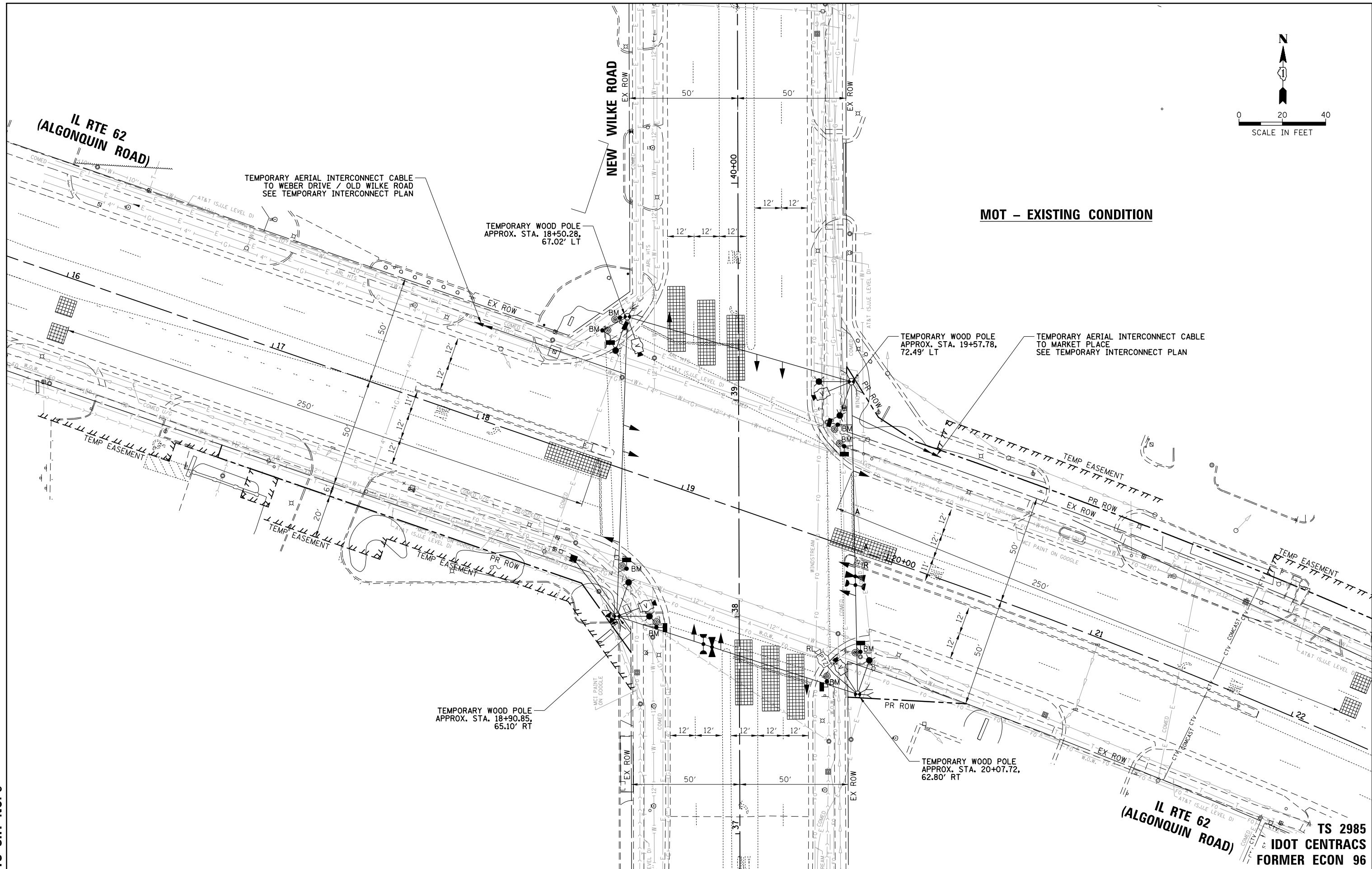
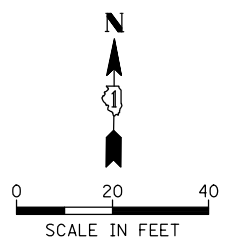
- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 1 EACH LAYER II SWITCH

TS SHT NO. 8



FILE NAME =	USER NAME = omissick	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\tbg.net\CBBEL\CBBELOFT\ROLLINGMEADOWS\190361.BR\1BR200\198361BR246\Traffic\TS08.DRAW\WILKE.REM.FID	PLOT SCALE = 48"	CHECKED - GMZ	REVISED -			0339	SN 20-00124-00-CH	COOK	153	74	
\$MODELNAME\$	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -			CONTRACT NO. 61K07			ILLINOIS FED. AID PROJECT		
						SCALE: 1" = 20'		SHEET 1 OF 1 SHEETS		STA. TO STA.	

**TS 2985
IDOT CENTRACS
FORMER ECON 96**



MOT - EXISTING CONDITION

TS SHT NO. 9

TS 2985
 IDOT CENTRACS
 FORMER ECON 96

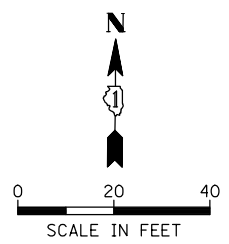
FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Traffic\TS09_IL62-WILKE_TMP.dgn		DRAWN - FB	REVISED -
	PLOT SCALE = 48"	CHECKED - GMZ	REVISED -
MODELNAME	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

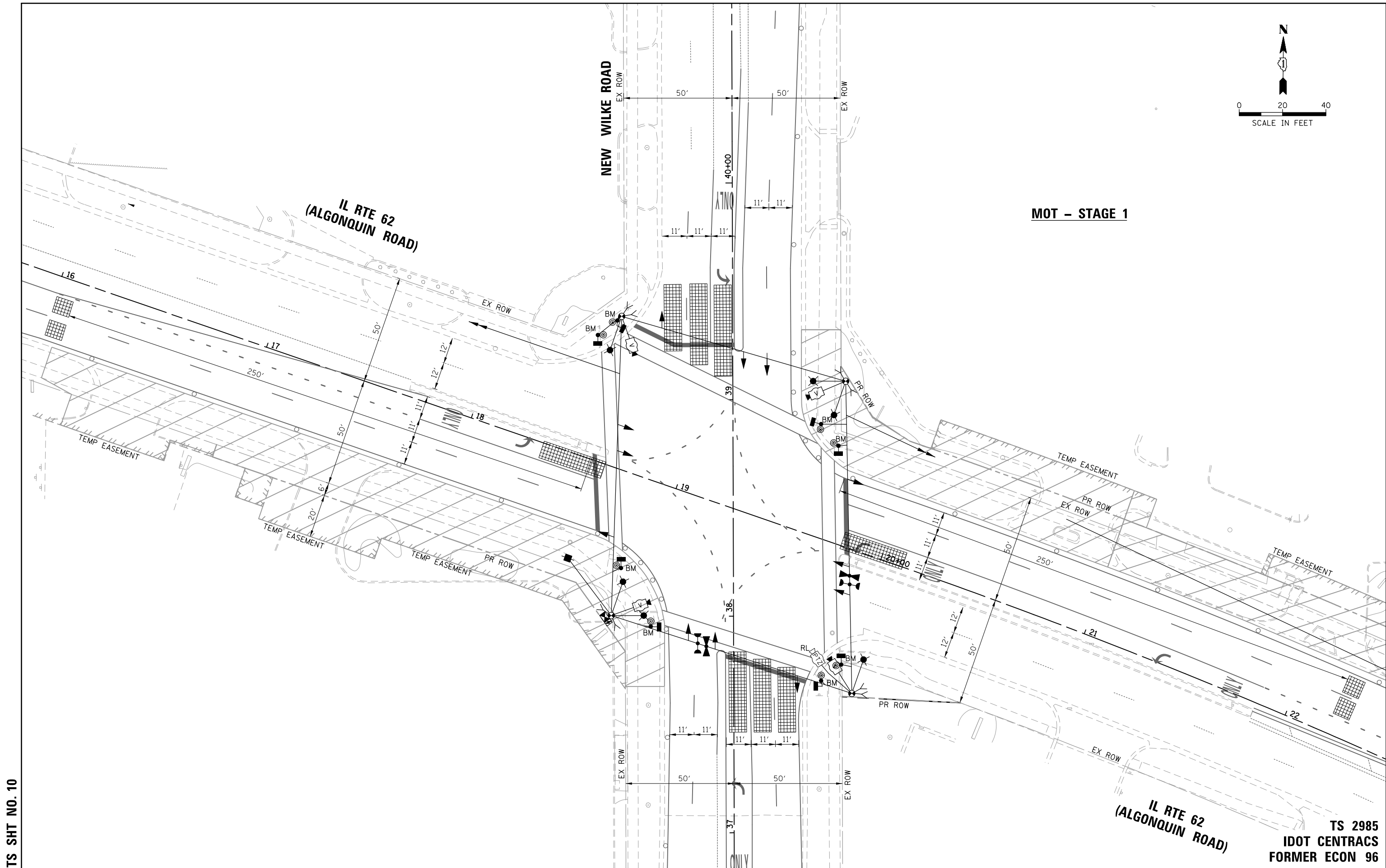
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
 MOT - EXISTING CONDITION
 IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	75
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

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



MOT - STAGE 1



TS SHT NO. 10

TS 2985
IDOT CENTRACS
FORMER ECON 96

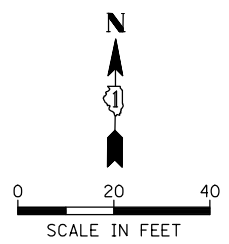
FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR's\BR200's\980361BR246\Traffic\TS10_IL62-WILKE.MOT Stage 1	DRAWN - FB	CHECKED - GMZ	DATE - 9/29/2023
MODELNAME	PLOT SCALE = 48"	DATE - 9/29/2023	REVISED -
	PLOT DATE = 11/25/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

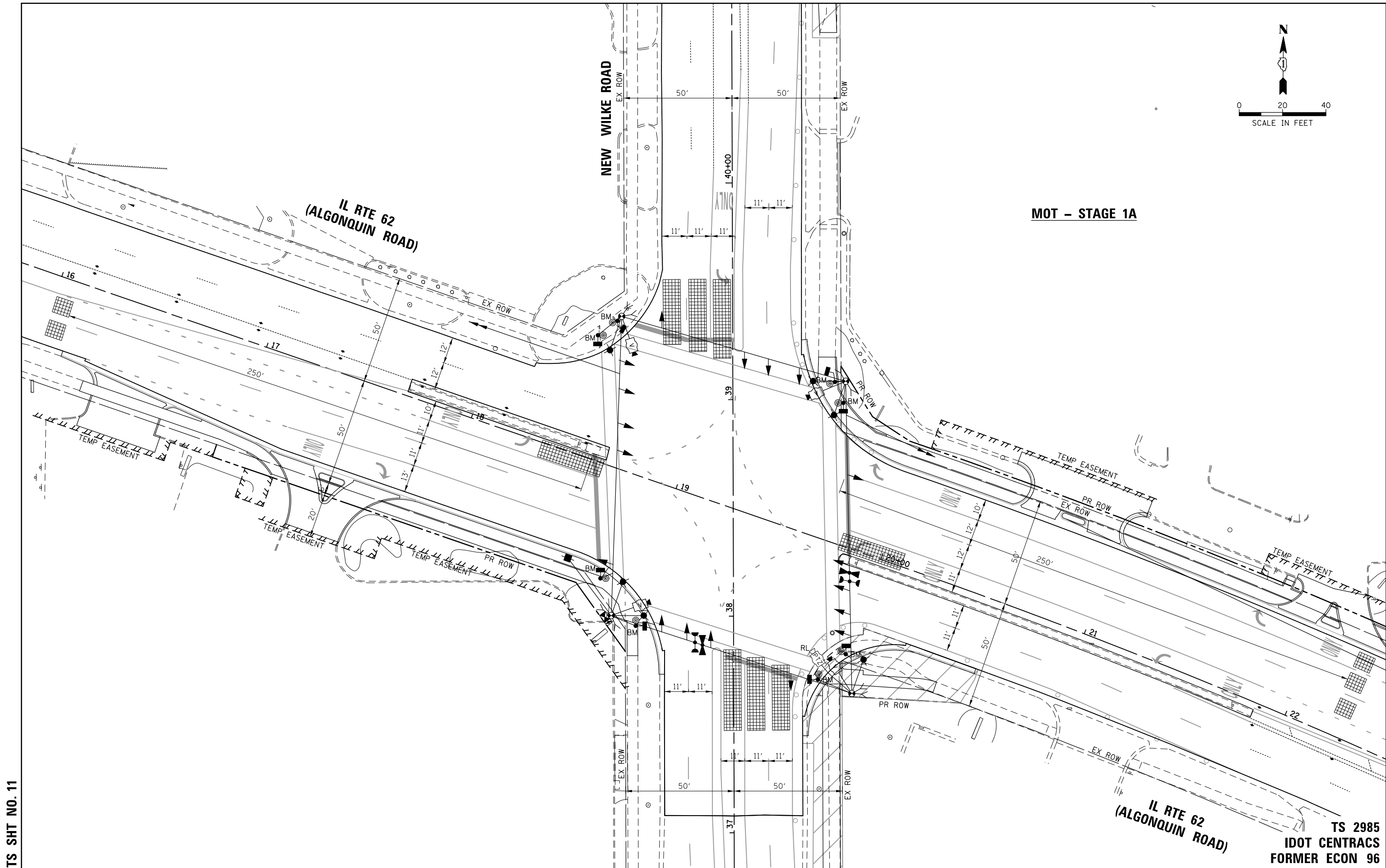
**MAINTENANCE OF TRAFFIC
MOT - STAGE 1
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	76
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



MOT - STAGE 1A



TS SHT NO. 11

TS 2985
IDOT CENTRACS
FORMER ECON 96

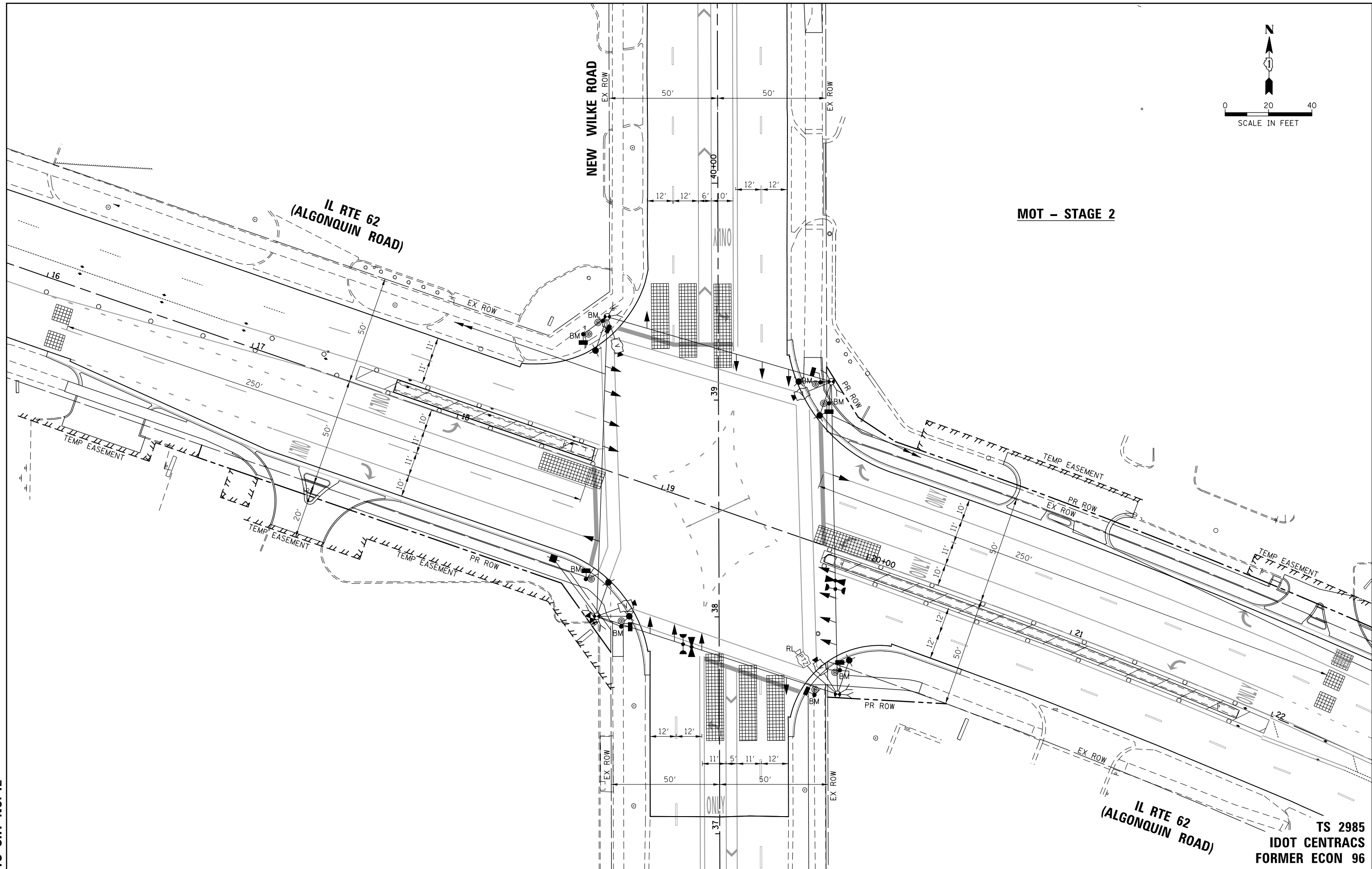
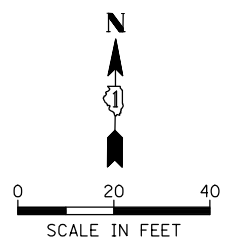
FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200\11\980361BR246\Traffic\TS11.IL62-WILKE.MOT Stage 1A	DRAWN - FB	CHECKED - GMZ	REVISED -
MODELNAME	PLOT SCALE = 48"	DATE - 9/29/2023	REVISED -
	PLOT DATE = 11/25/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
MOT - STAGE 1A
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	77
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

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



MOT - STAGE 2

TS SHT NO. 12

**TS 2985
IDOT CENTRACS
FORMER ECON 96**

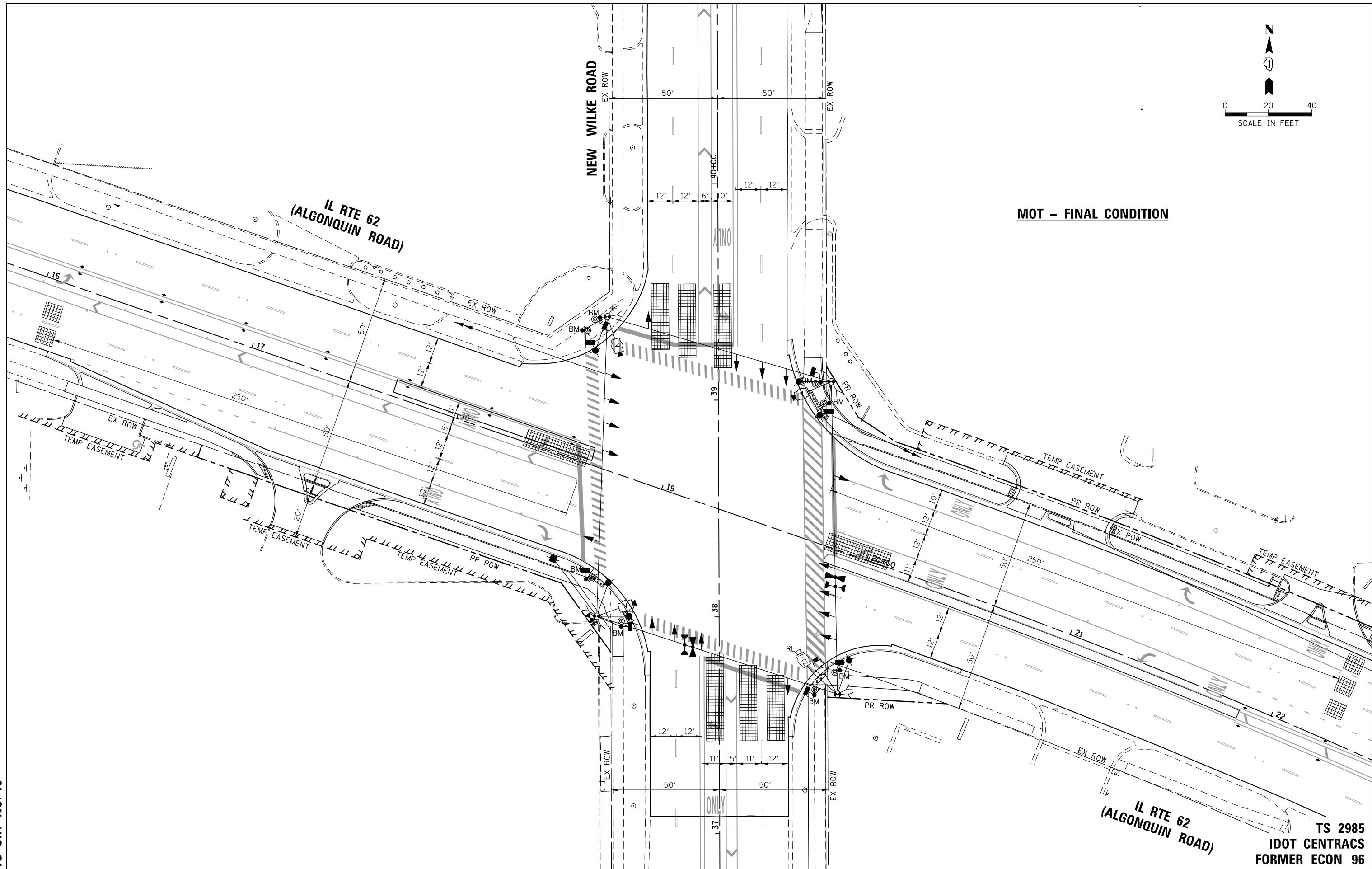
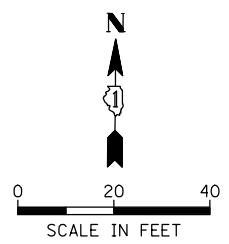
FILE NAME =	USER NAME = omssick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR's\BR200's\980361BR246\Traffic\TS12_IL62-WILKE.MOT Stage 2		DRAWN - FB	REVISED -
	PLOT SCALE = 48"	CHECKED - GMZ	REVISED -
MODELNAME	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
MOT - STAGE 2
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	78
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

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



MOT - FINAL CONDITION

TS SHT NO. 13

IL RTE 62 (ALGONQUIN ROAD)
TS 2985
IDOT CENTRACS
FORMER ECON 96

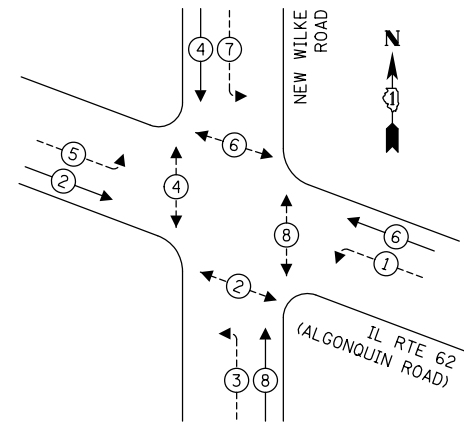
FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200\198361BR246\Traffic\TS13.IL62-WILKE.MOT Stage 1	DRAWN - FB	CHECKED - GMZ	REVISED -
MODELNAME	DATE = 9/29/2023	REVISIONS	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
MOT - FINAL CONDITION
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD
 SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	79
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

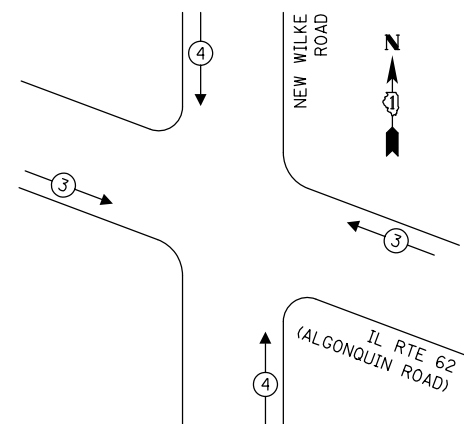
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

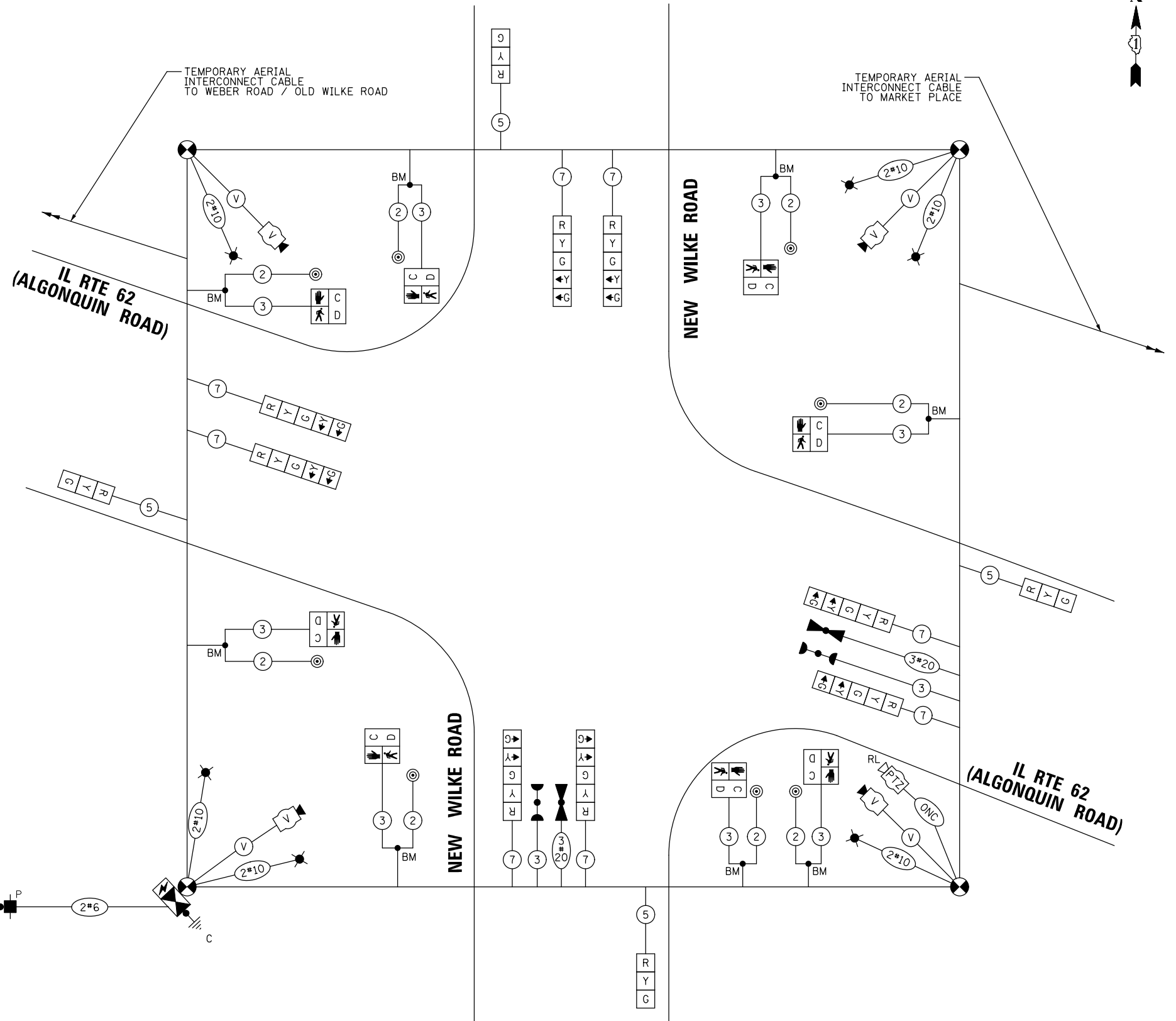
TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
PTZ CAMERA	1	75	75
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			598
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	6	240	1,440
TOTAL SERVICE WIRE SIZING			2,643

ENERGY COSTS TO:

CITY OF ROLLING MEADOWS
3600 Kirchoff Rd,
Rolling Meadows, IL 60008

ENERGY SUPPLY:

PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 20371-01154



**MOT – EXISTING CONDITION
TEMPORARY CABLE PLAN**
(NOT TO SCALE)

TS SHT NO. 14

FILE NAME =	USER NAME = omissick
N:\ROLLINGMEADOWS\980361.BR\200\1\980361BR246\Traffic\TS14_IL62-WILKE_TCB-01.dgn	
MODELNAME	PLOT DATE = 11/25/2024

DESIGNED - BG	REVISED -
DRAWN - FB	REVISED -
CHECKED - GMZ	REVISED -
DATE - 9/29/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

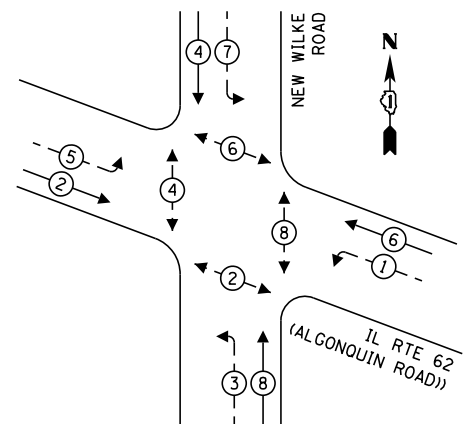
**TEMPORARY CABLE PLAN
(SHEET 1 OF 3)
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	80
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

**TS 2985
IDOT CENTRACS
FORMER ECON 96**

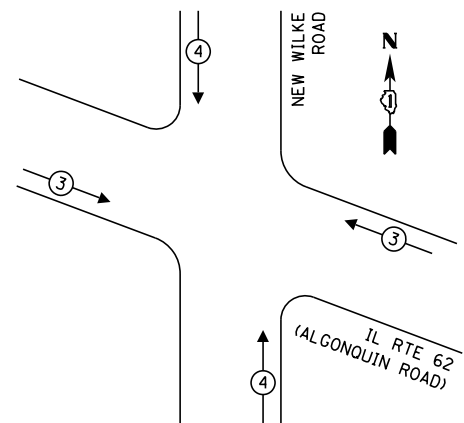
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

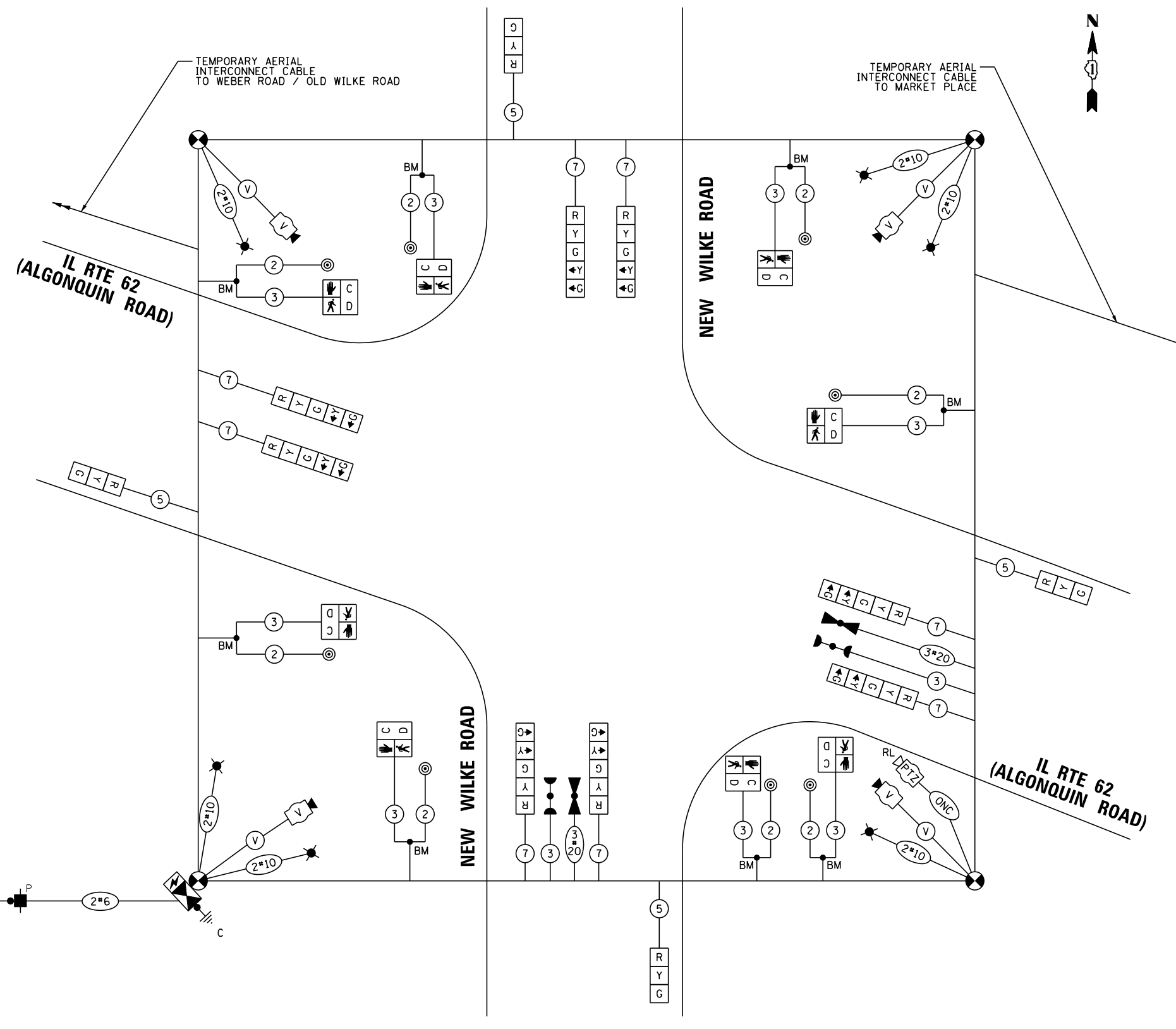
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
PTZ CAMERA	1	75	75
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			598
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	6	240	1,440
TOTAL SERVICE WIRE SIZING			2,643

ENERGY COSTS TO:
 CITY OF ROLLING MEADOWS
 3600 Kirchoff Rd,
 Rolling Meadows, IL 60008
 ENERGY SUPPLY: PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 20371-01154



**MOT - STAGE 1
 TEMPORARY CABLE PLAN
 (NOT TO SCALE)**

TS SHT NO. 15

**TS 2985
 IDOT CENTRACS
 FORMER ECON 96**

FILE NAME =	USER NAME = vrbach
N:\ROLLINGMEADOWS\980361.BR\200\1\980361BR246\Traffic\TS15_IL62-WILKE_TCB-02.dgn	
MODELNAME	PLOT DATE = 12/10/2024

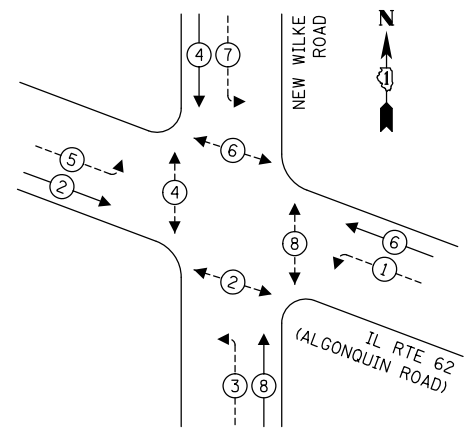
DESIGNED - BG	REVISED -
DRAWN - FB	REVISED -
CHECKED - GMZ	REVISED -
DATE - 9/29/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY CABLE PLAN (SHEET 2 OF 3)			
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	81
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

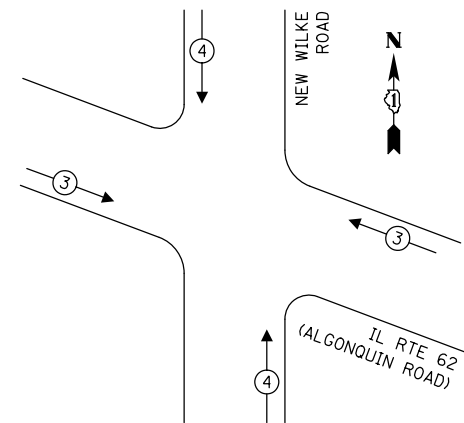
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

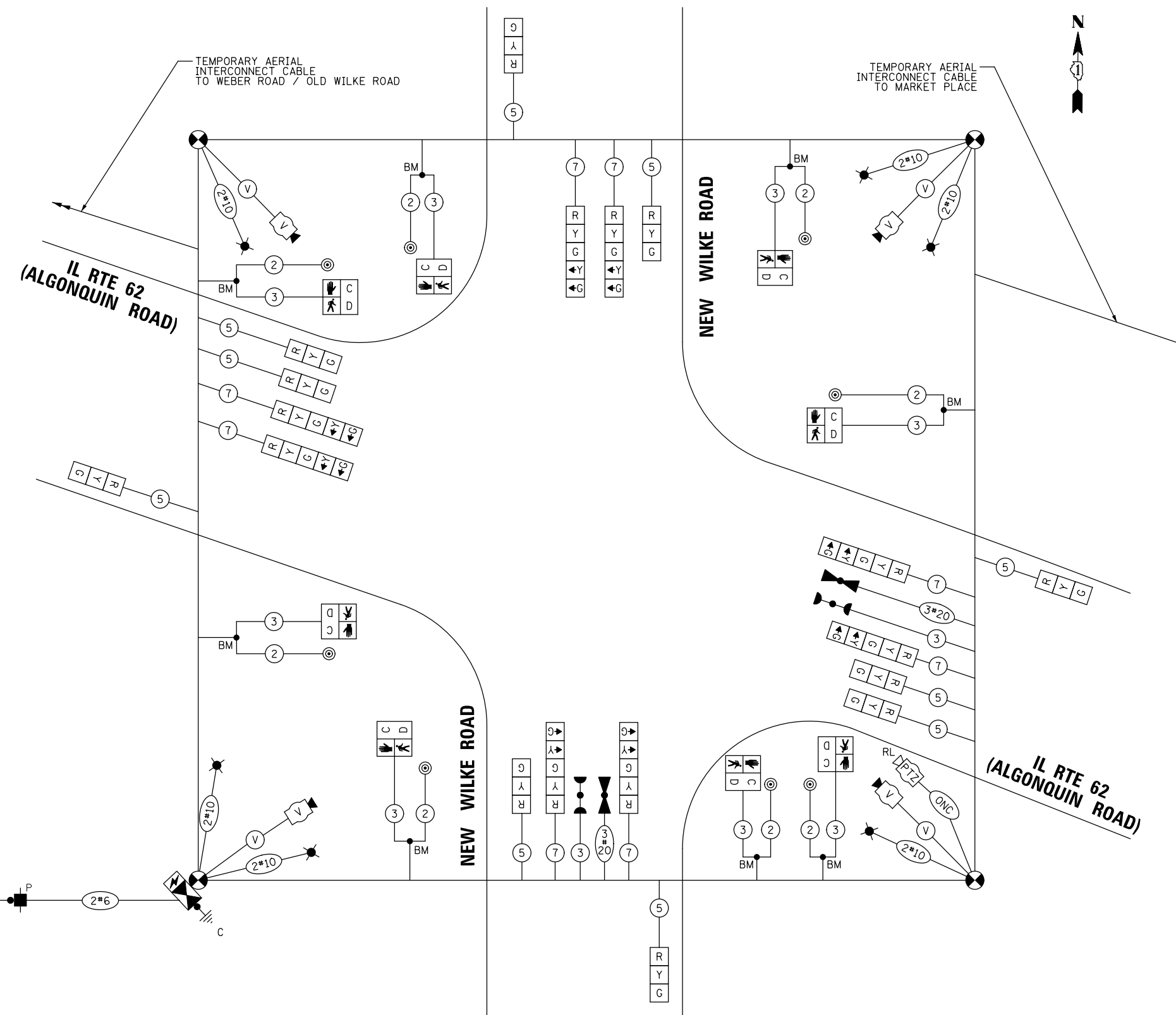
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
PTZ CAMERA	1	75	75
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			664
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	6	240	1,440
TOTAL SERVICE WIRE SIZING			2,709

ENERGY COSTS TO:
 CITY OF ROLLING MEADOWS
 3600 Kirchoff Rd,
 Rolling Meadows, IL 60008
 ENERGY SUPPLY:
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 20371-01154



**MOT - STAGE 1A
 MOT - STAGE 2 AND
 MOT - FINAL CONDITION
 TEMPORARY CABLE PLAN
 (NOT TO SCALE)**

TS SHT NO. 16

FILE NAME =	USER NAME = omisick
N:\ROLLINGMEADOWS\980361.BR\2002\11\361BR246\Traffic\TS16_IL62-WILKE_TCB-03.dgn	
MODELNAME	PLOT DATE = 11/25/2024

DESIGNED - BG	REVISED -
DRAWN - FB	REVISED -
CHECKED - GMZ	REVISED -
DATE - 9/29/2023	REVISED -

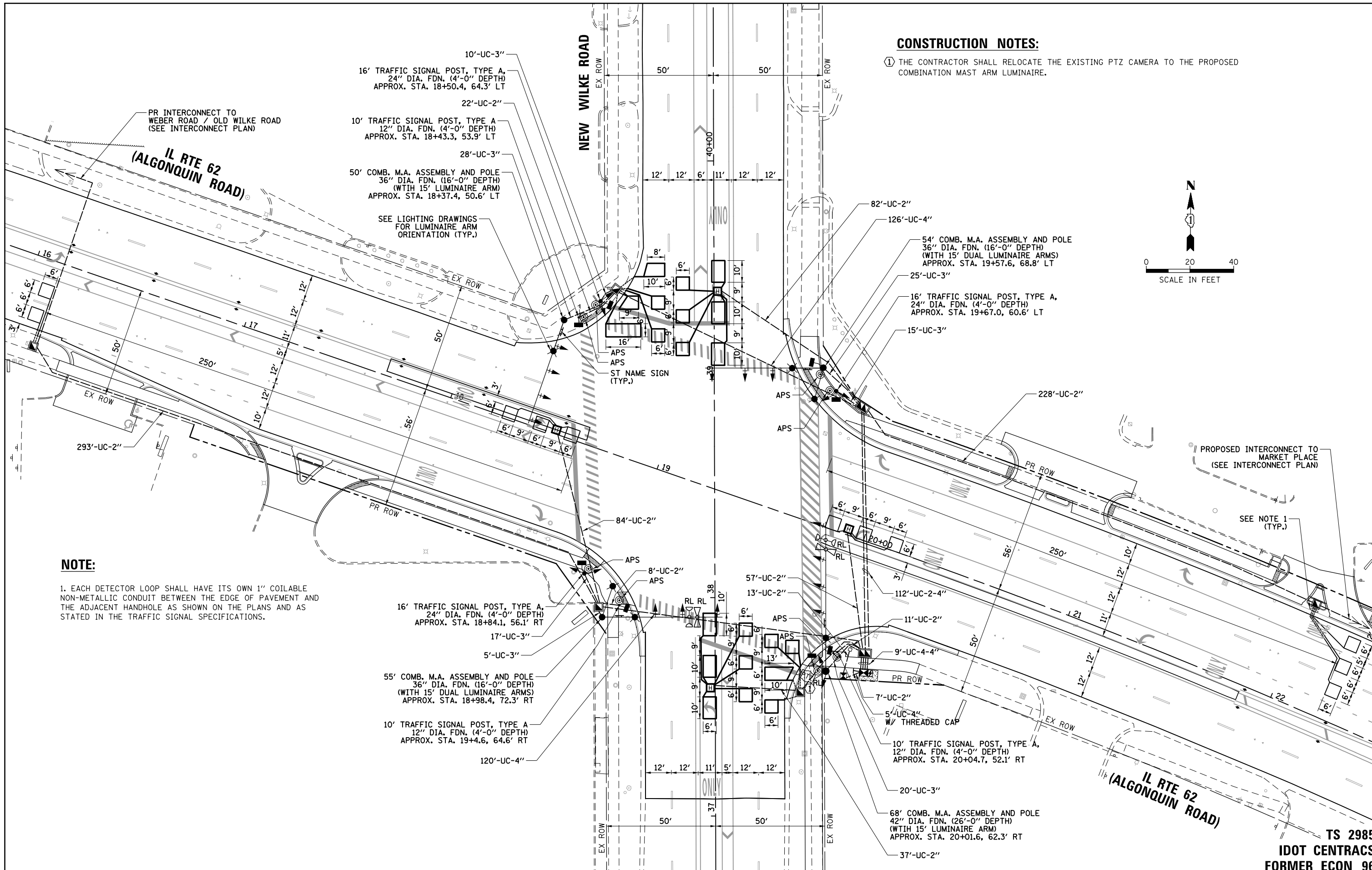
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN
 (SHEET 3 OF 3)
 IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**
 SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	82
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

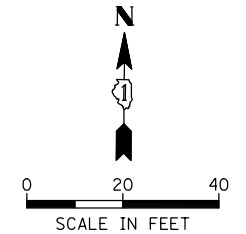
**TS 2985
 IDOT CENTRACS
 FORMER ECON 96**

TS SHT NO. 17



CONSTRUCTION NOTES:

① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA TO THE PROPOSED COMBINATION MAST ARM LUMINAIRE.



NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200\198361BR246\Traffic\TS17_IL62-WILKE.MOD.dgn		DRAWN - FB	REVISED -
	PLOT SCALE = 48"	CHECKED - GMZ	REVISED -
\$MODELNAME\$	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD

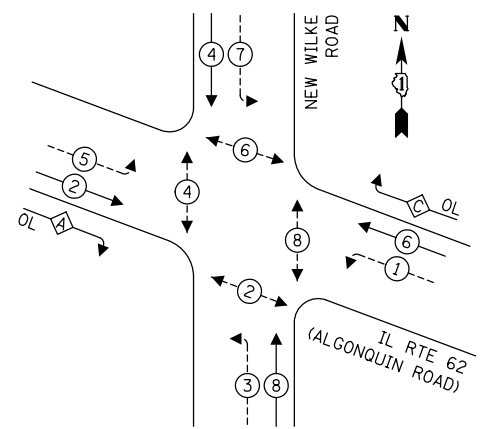
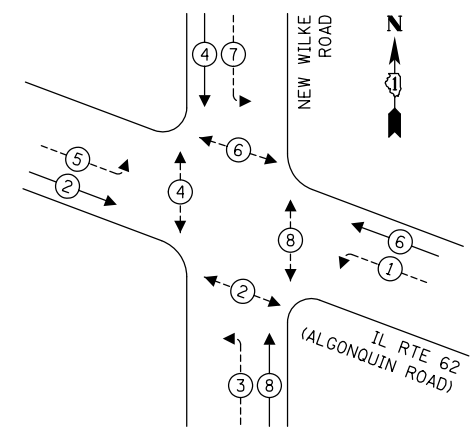
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	83
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

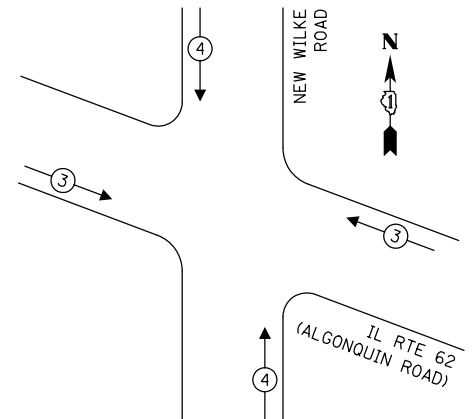
TS 2985
IDOT CENTRACS
FORMER ECON 96

EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ← (A) → PROTECTED PHASE
- ← (A) - - (A) → PROTECTED/PERMITTED PHASE
- ← (A) → PEDESTRIAN PHASE
- ← (A) OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

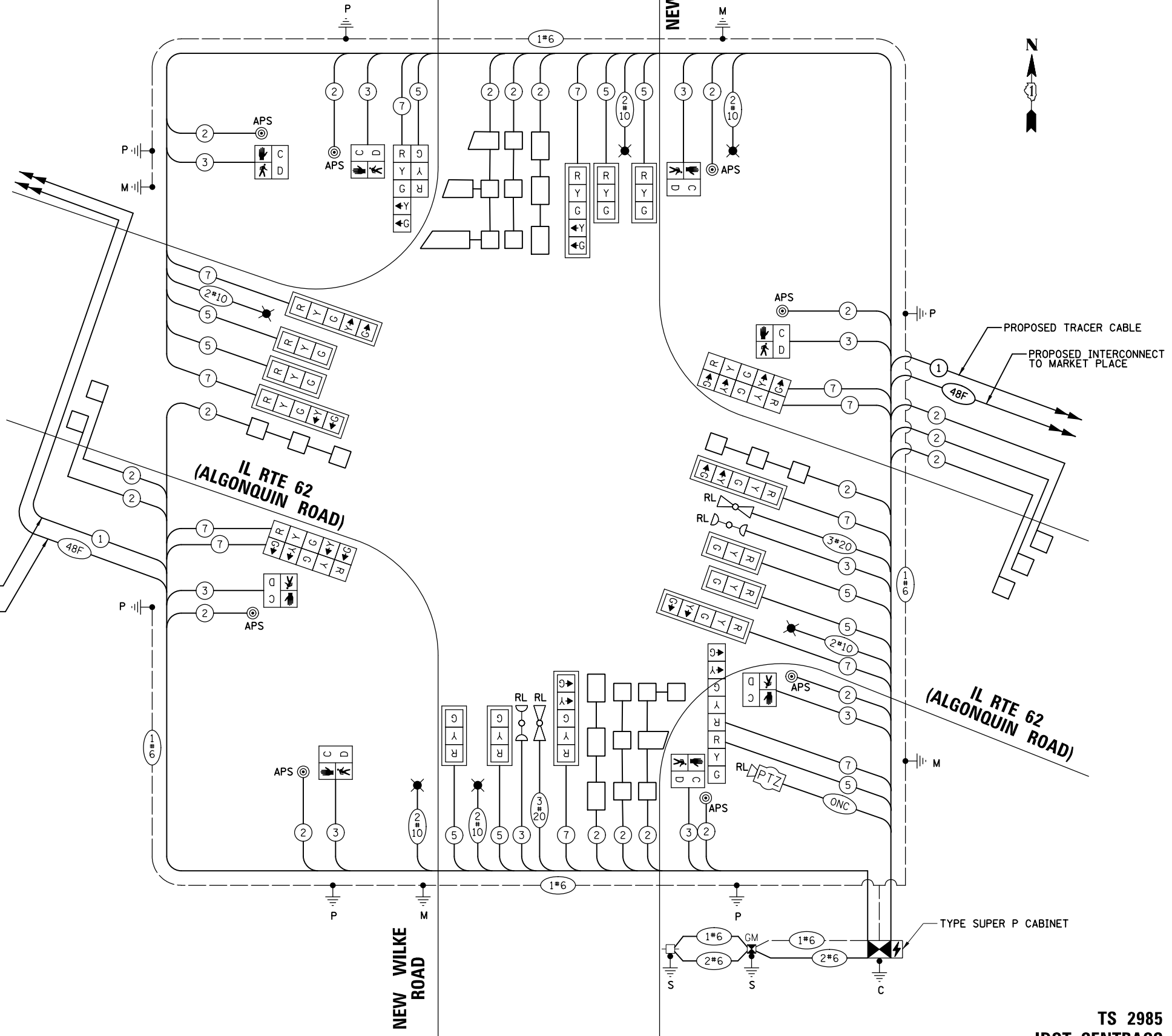
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 3	
C	= 6 + 7	

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	-	20	-
PTZ CAMERA	1	75	75
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			661
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	6	240	1,440
TOTAL SERVICE WIRE SIZING			2,706

ENERGY COSTS TO:
 CITY OF ROLLING MEADOWS
 3600 Kirchoff Rd,
 Rolling Meadows, IL 60008
 ENERGY SUPPLY:
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 20371-01154

PROPOSED TRACER CABLE
 PROPOSED INTERCONNECT TO WEBER ROAD / OLD WILKE ROAD



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 18

FILE NAME =	USER NAME = amissick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\2003\980361BR246\Traffic\TS18_IL62-WILKE.CAB.dgn		DRAWN - FB	REVISED -
		CHECKED - GMZ	REVISED -
MODELNAME	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

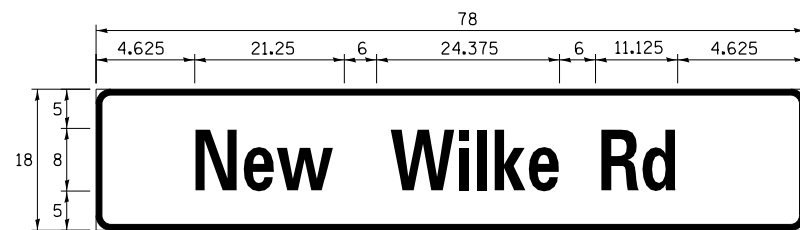
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	84
CONTRACT NO. 61K07				

TS 2985
 IDOT CENTRACS
 FORMER ECON 96

ILLINOIS FED. AID PROJECT

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15	2	ZZ	2

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

SCHEDULE OF QUANTITIES

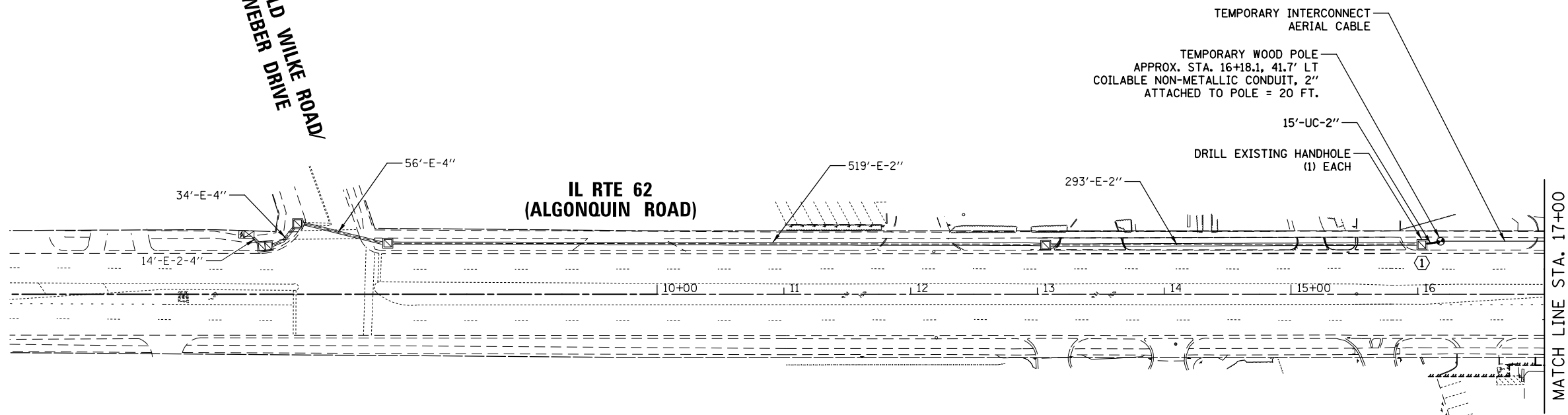
ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SQ FT	50
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	842
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	120
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	511
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,438
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,857
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,240
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,575
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,397
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	28
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,098
TRAFFIC SIGNAL POST, 16 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	26
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE I	FOOT	1,263
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,148
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	12
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	356
OUTDOOR RATED NETWORK CABLE	FOOT	100
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT. (SPECIAL)	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TS SHT NO. 19

TS 2985
IDOT CENTRACS
FORMER ECON 96

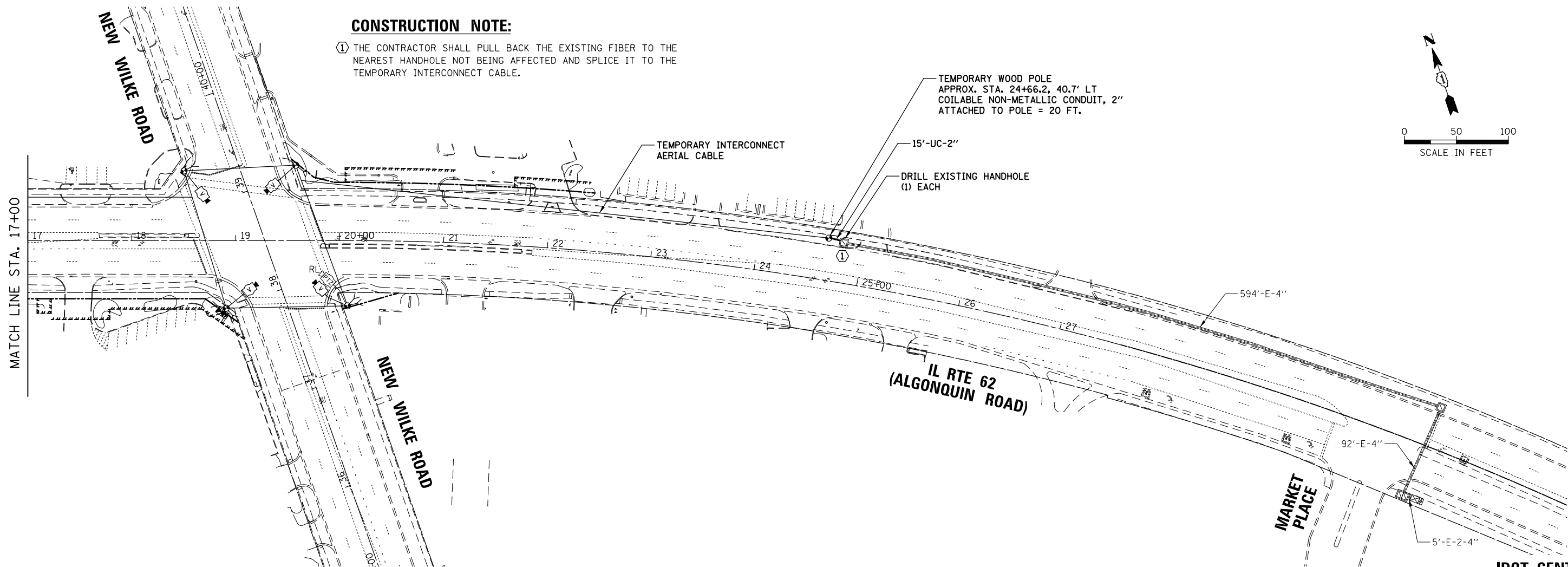
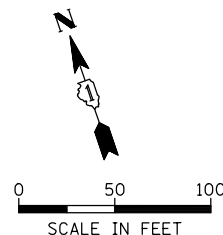
FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Traffic\TS19_IL62-WILKE_STN.dgn	DRAWN - FB	REVISED -	0339			SN 20-00124-00-CH	COOK	153	85	
PLT SCALE = 48"	CHECKED - GMZ	REVISED -	CONTRACT NO. 61K07							
MODELNAME	DATE - 9/29/2023	REVISED -	SCALE: N.T.S.			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

OLD WILKE ROAD
WEBER DRIVE



CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL PULL BACK THE EXISTING FIBER TO THE NEAREST HANDHOLE NOT BEING AFFECTED AND SPLICE IT TO THE TEMPORARY INTERCONNECT CABLE.



TS SHT NO. 20

**IDOT CENTRACS
FORMER ECON 96**

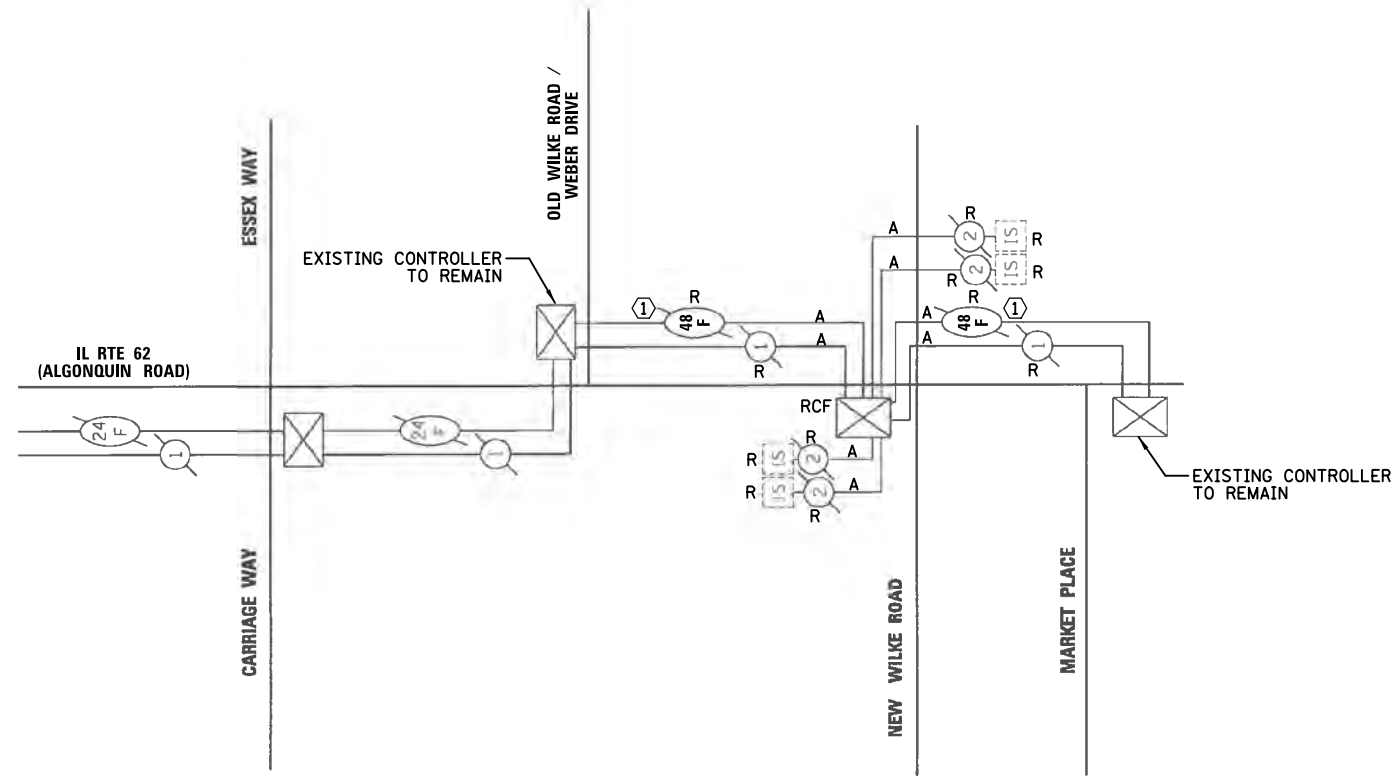
FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\200's\980361BR246\Traffic\TS20_IL62-WILKE_INT-TMP.dwg		DRAWN - FB	REVISED -
	PLOT SCALE = 100'	CHECKED - GMZ	REVISED -
MODELNAME	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

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

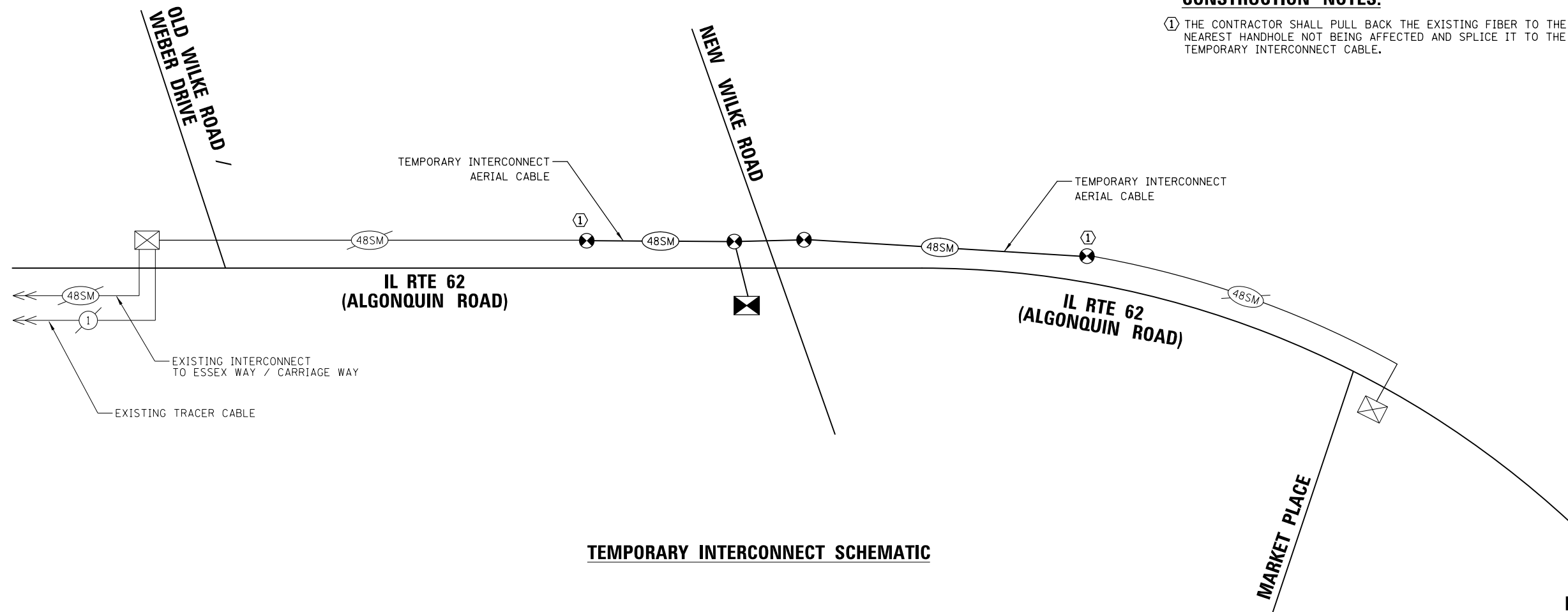
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	86
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



EXISTING INTERCONNECT REMOVAL SCHEMATIC

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL PULL BACK THE EXISTING FIBER TO THE NEAREST HANDHOLE NOT BEING AFFECTED AND SPLICE IT TO THE TEMPORARY INTERCONNECT CABLE.



TEMPORARY INTERCONNECT SCHEMATIC

TS SHT NO. 21

**IDOT CENTRACS
FORMER ECON 96**

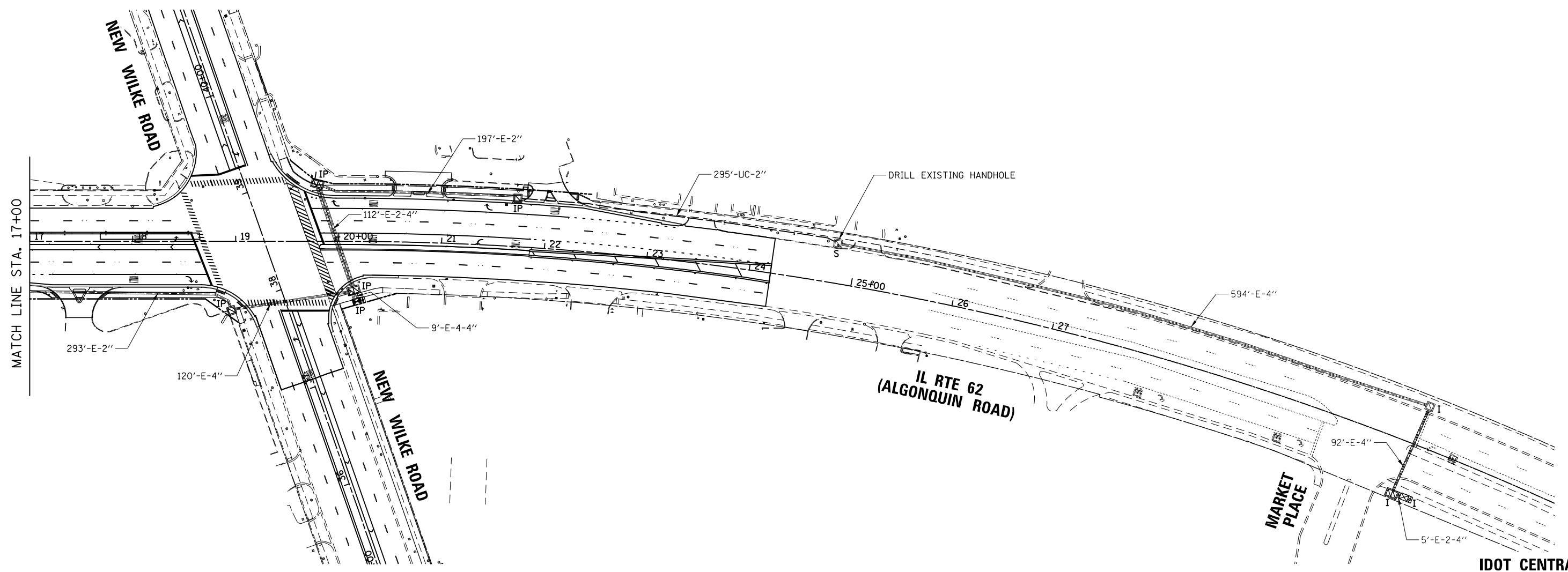
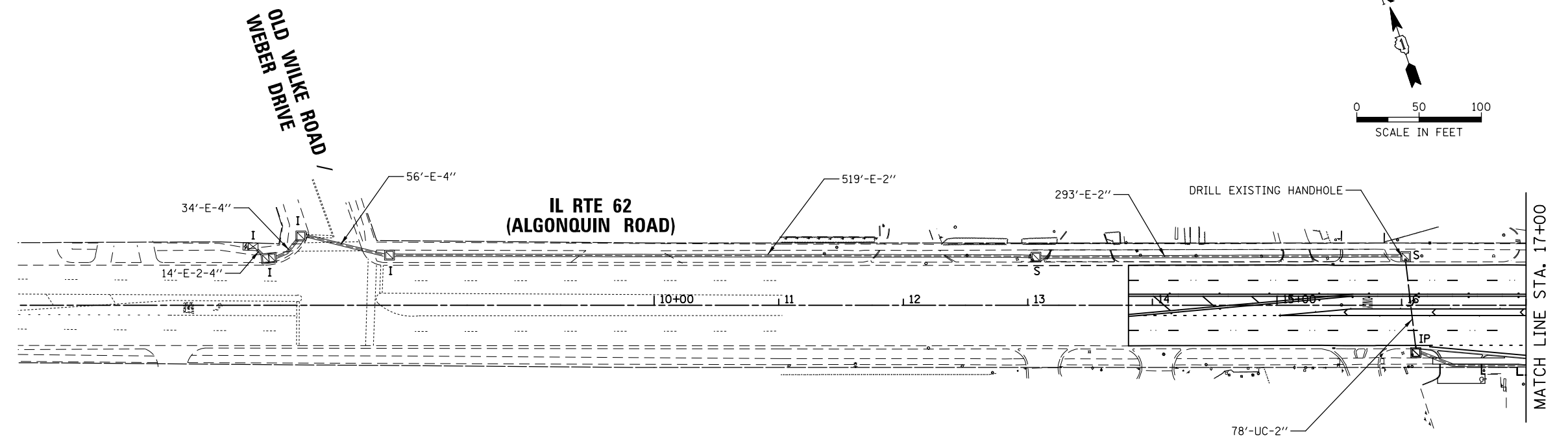
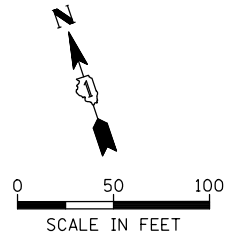
FILE NAME =	USER NAME = omissick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Traffic\TS21_IL62-WILKE_INT-TMP SCH.DRAWN - FB		CHECKED - GMZ	REVISED -
	PLOT SCALE = 100'	DATE - 9/29/2023	REVISED -
MODELNAME	PLOT DATE = 11/25/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT SCHEMATIC
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

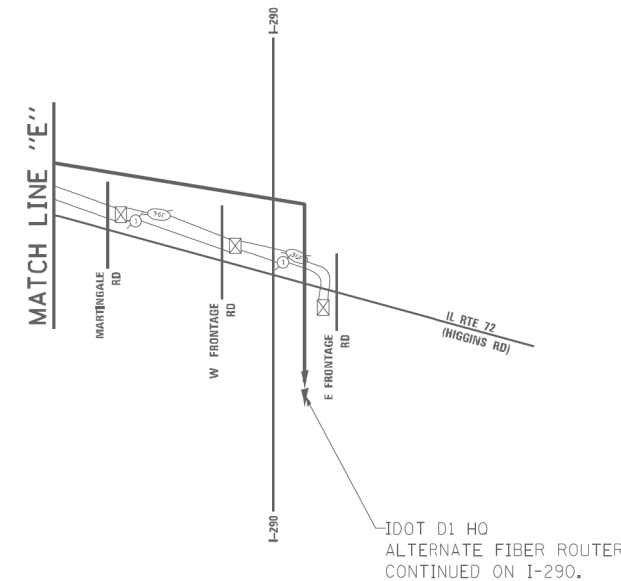
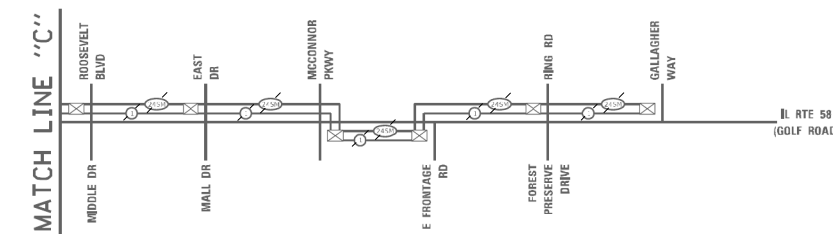
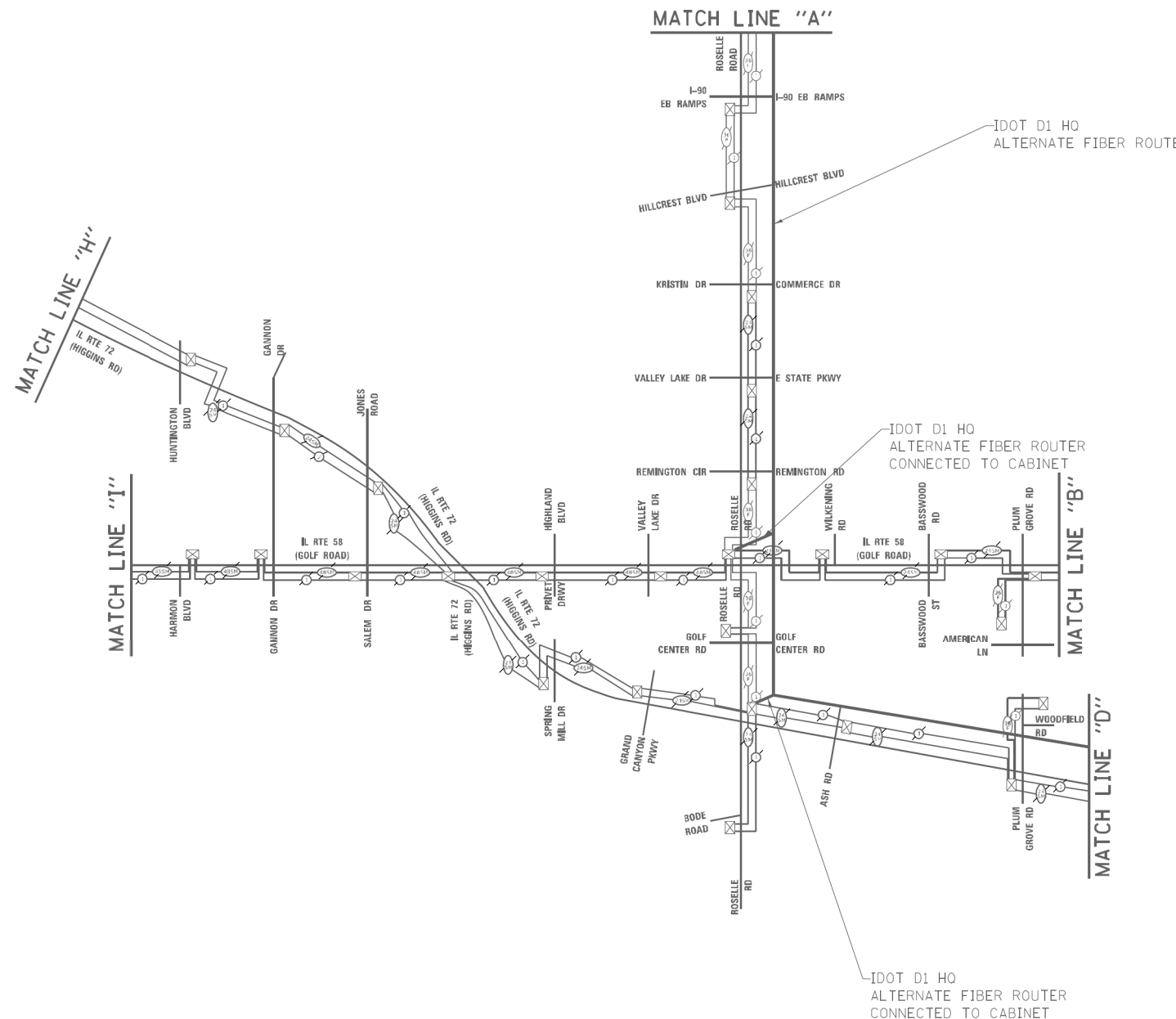
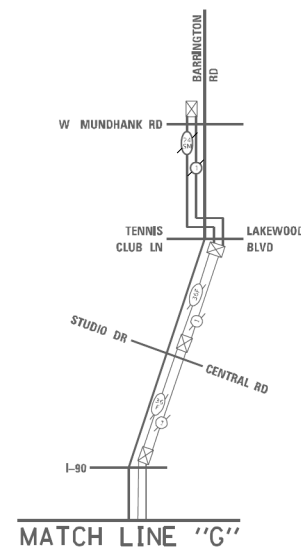
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	87
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



TS SHT NO. 22

**IDOT CENTRACS
FORMER ECON 96**

FILE NAME =	USER NAME = omisick	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\200\1162\BR246\Traffic\TS22.IL62-WILKE.INT-PR.dgn		DRAWN - FB	REVISED -			0339	SN 20-00124-00-CH	COOK	153	88	
MODELNAME	PLOT SCALE = 100'	CHECKED - GMZ	REVISED -			CONTRACT NO. 61K07					
	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -			ILLINOIS FED. AID PROJECT					



TS SHT NO. 23

FILE NAME =	USER NAME = omissick	DESIGNED - BG	REVISED -
N:\ROLLINGMEADOWS\980361.BR\980361\BR200\980361\BR246\Traffic\TS23_IL62-WILKE_INT-PR SCH		DRAWN - FB	REVISED -
MODELNAME	PLOT SCALE = 100'	CHECKED - GMZ	REVISED -
	PLOT DATE = 11/25/2024	DATE - 9/29/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC (SHEET 1 OF 2)
IL ROUTE 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD**

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	89
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

**IDOT CENTRACS
FORMER ECON 73, 78, 81, 84**

LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY EQUIPMENT. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE AT (800) 892-0123, FOR THE LOCATIONS OF IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES CALL MEADE ELECTRIC CO. AT (773) 287-7672.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT (ADOPTED 1/1/2022).
 - B. "THE 2020 NATIONAL ELECTRICAL CODE".
 - C. MUNICIPAL CODES & STANDARDS.
5. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
6. ALL UNDERGROUND CONDUITS SHALL BE INSTALLED BY DIRECTIONAL BORING METHOD. SOME LOCATIONS MAY REQUIRE TRENCHING AND/OR HAND DIGGING. CONTRACTOR SHALL PROVIDE PRIOR NOTICE TO ENGINEER BEFORE TRENCHING.
7. ALL UNDERGROUND WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
8. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
9. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
10. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
12. THE CONTRACTOR SHALL STAKE ALL POLE LOCATIONS PRIOR TO REQUESTING A JULIE UTILITY LOCATE. ONCE ALL LOCATIONS ARE STAKED CONTRACTOR SHALL SET UP A MEETING WITH THE VILLAGE AND ENGINEER FOR POLE LOCATION APPROVAL.
13. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
14. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER.
16. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTERGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
17. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER THE 2010 AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS.
18. THE CONTRACTOR SHALL USE A STANDARD FOUNDATION WHENEVER POSSIBLE. WHEN UTILITY CONFLICT PROHIBITS USE OF STANDARD FOUNDATION THE CONTRACTOR MAY USE AN OFFSET FOUNDATION AT THE DIRECTION OF THE ENGINEER.

LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CUYD	24
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	710
UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	50
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	2125
HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1305
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2195
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	8780
AERIAL CABLE 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	485
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	6
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	5
BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	20
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
REMOVAL OF POLE FOUNDATION	EACH	7
RELOCATE EXISTING LIGHTING UNIT	EACH	5
DRILL EXISTING HANDHOLE	EACH	2
• REMOVE EXISTING CABLE	FOOT	560
• LIGHTING UNIT IDENTIFICATION DECAL	EACH	13
• EXPOSE AND RELOCATE EXISTING UNIT DUCT	FOOT	125
• TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	6
• COMBINATION LIGHTING CONTROLLER	EACH	1
• MAST ARM, STREET LIGHTING, 15'	EACH	6
• REMOVAL OF TEMPORARY LUMINAIRE	EACH	6
• LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	6
• MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6
• SEE SPECIAL PROVISION		

ABBREVIATIONS

A	AMPS	HH	HAND HOLE
BOC	BACK OF CURB	HPS	HIGH PRESSURE SODIUM
CKT	CIRCUIT	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	RGS	RIGID GALVANIZED STEEL
FT	FOOT	ROW	RIGHT OF WAY
FOC	FACE OF CURB	STA	STATION
GND	GROUND	V	VOLTS
HD	HEAVY DUTY	W	WATTS
HDPE	HIGH DENSITY POLYETHYLENE		

**CAUTION
NOTICE TO CONTRACTOR**

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

IDOT WILL OWN AND MAINTAIN THE PROPOSED COMBINATION LIGHTING IL ROUTE 62 (ALGONQUIN RD.) & NEW WILKE RD.

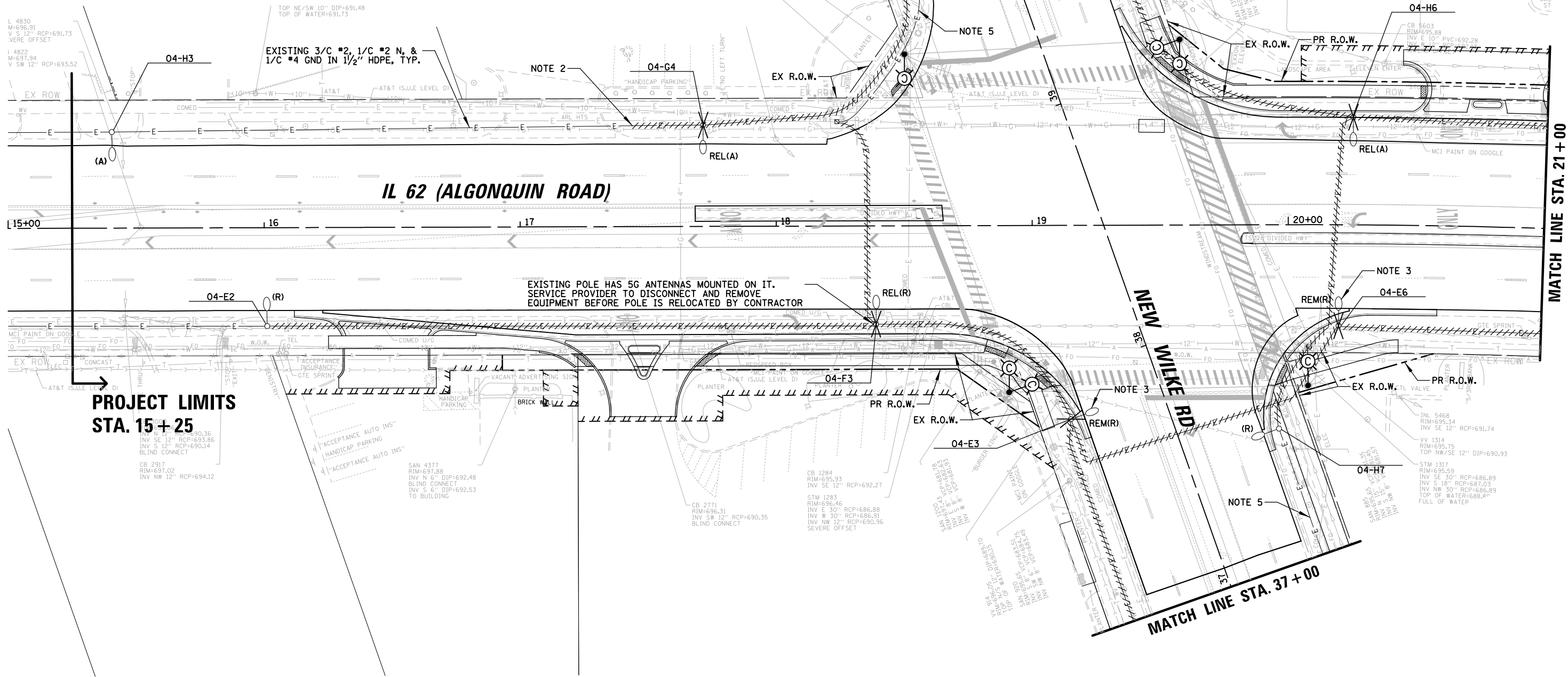
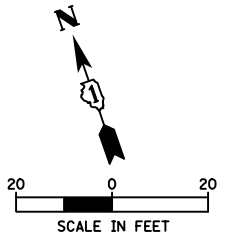
FILE NAME =	USER NAME = amissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) LIGHTING GENERAL NOTES AND BILL OF MATERIALS	F.A. RTE. 0339	SECTION SN 20-00124-00CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 91
#MODELNAME#	PLT DATE = 11/6/2024	CHECKED - AJD	REVISED -	SCALE: NO SCALE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 61K07		

LEGEND

- (R) EXISTING LIGHT STANDARD TO REMAIN
- REM(R) EXISTING LIGHT STANDARD TO BE REMOVED AT START OF CONSTRUCTION AND SALVAGED
- REL(R) EXISTING LIGHT STANDARD TO BE RELOCATED AT START OF CONSTRUCTION
- TEMPORARY WOOD POLE WITH TEMPORARY LED LUMINAIRE MOUNTED AT 45'-0" WITH 15' ARM, PERPENDICULAR TO THE ROAD CONNECTED TO TEMP SIGNAL CABINET (SEE TEMP INTERSECTION LIGHTING PLANS FOR LUMINAIRE INFO)
- E EXISTING UNDERGROUND CONDUIT
- CABLE/CONDUIT TO BE ABANDONED
- LIGHT POLE CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER

NOTES:

1. CONDUIT/WIRE TO BE ABANDONED SHALL REMAIN IN PLACE UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. THEN THE EXISTING CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
2. CUT EXISTING CONDUIT/WIRE AND REROUTE/RECONNECT INTO RELOCATED LIGHT POLE.
3. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO ROLLING MEADOWS PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
4. WORK SHALL BE PERFORMED TO ENSURE ALL LIGHTS ARE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
5. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WIRING FROM CONDUIT. CONDUIT SHALL BE REUSED (SEE PROPOSED LIGHTING PLAN).



**PROJECT LIMITS
STA. 15+25**

IL 62 (ALGONQUIN ROAD)

NEW MILKE RD

MATCH LINE STA. 40+00

MATCH LINE STA. 37+00

MATCH LINE STA. 21+00

FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) REMOVAL/TEMPORARY PLAN (1 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\tbg.net\CBBEL\CBBEL\FT\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Mech\REM_980361.DWG	980361.BR\BR200\980361BR246\Mech\REM_980361.DWG	DRAWN - RJJ RMS	REVISED -			0339	SN 20-00124-00CH	COOK	153	92
PLOT SCALE = 48"		CHECKED - AJD	REVISED -			CONTRACT NO. 61K07				
DATE = 11/6/2024		DATE = \$DATE\$	REVISED -			ILLINOIS FED. AID PROJECT				

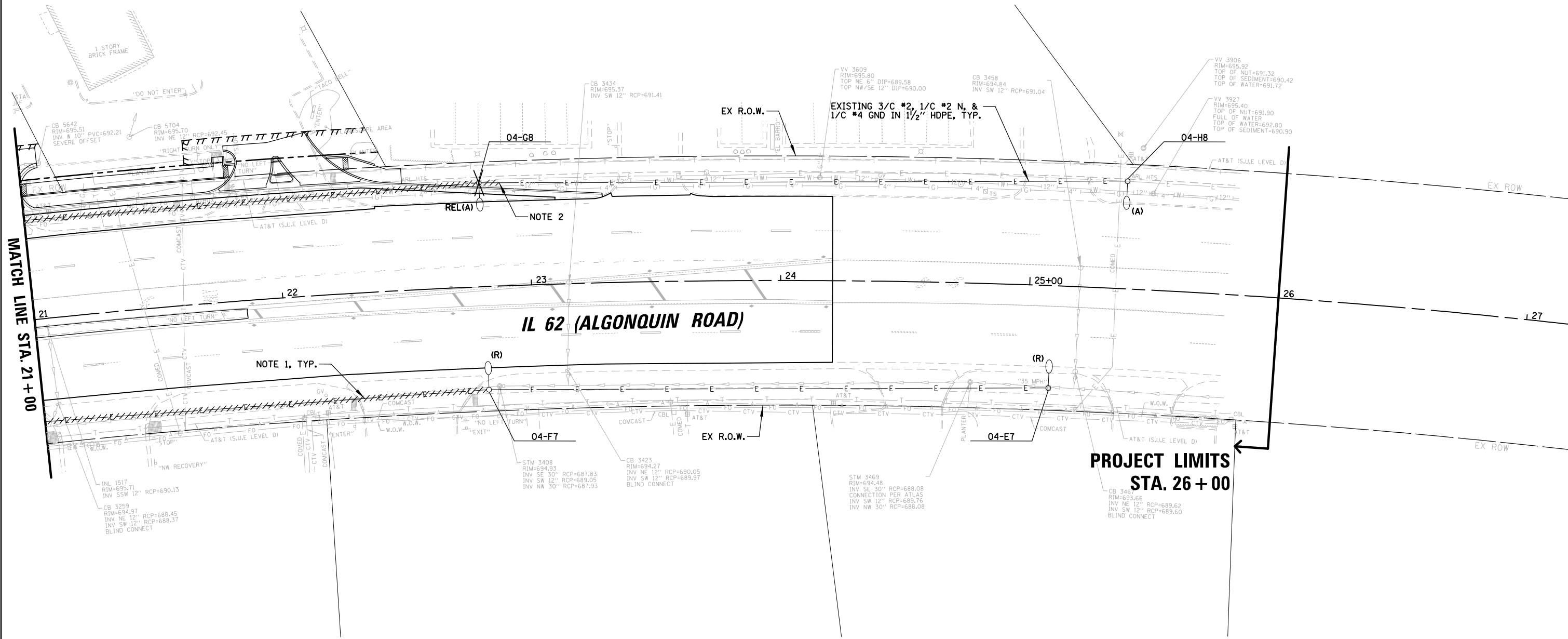
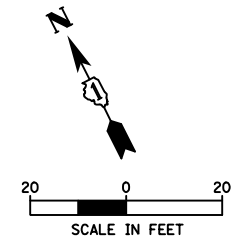
SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. TO STA.

LEGEND

- (R) EXISTING LIGHT STANDARD TO REMAIN
(R) = OWNED AND MAINTAINED BY CITY OF ROLLING MEADOWS
(A) = OWNED AND MAINTAINED BY VILLAGE OF ARLINGTON HEIGHTS
- REM(R) EXISTING LIGHT STANDARD TO BE REMOVED AT START OF CONSTRUCTION AND SALVAGED
- REL(R) EXISTING LIGHT STANDARD TO BE RELOCATED AT START OF CONSTRUCTION
- TEMPORARY WOOD POLE WITH TEMPORARY LED LUMINAIRE MOUNTED AT 45'-0" WITH 15' ARM, PERPENDICULAR TO THE ROAD CONNECTED TO TEMP SIGNAL CABINET (SEE TEMP INTERSECTION LIGHTING PLANS FOR LUMINAIRE INFO)
- E EXISTING UNDERGROUND CONDUIT
- CABLE/CONDUIT TO BE ABANDONED
- LIGHT POLE CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER

NOTES:

1. CONDUIT/WIRE TO BE ABANDONED SHALL REMAIN IN PLACE UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. THEN THE EXISTING CONDUIT/WIRE SHALL BE CUT 2" BELOW GRADE AND ABANDONED IN PLACE.
2. CUT EXISTING CONDUIT/WIRE AND REROUTE/RECONNECT INTO RELOCATED LIGHT POLE.
3. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO ROLLING MEADOWS PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
4. WORK SHALL BE PERFORMED TO ENSURE ALL LIGHTS ARE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
5. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WIRING FROM CONDUIT. CONDUIT SHALL BE REUSED (SEE PROPOSED LIGHTING PLAN).

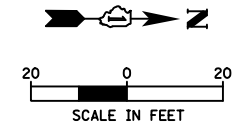


FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) REMOVAL/TEMPORARY PLAN (2 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\tbg.net\cbbel\cbbel\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Mech\REM\980361.DRAWN.02.sh4	980361.BR\BR200\980361BR246\Mech\REM\980361.DRAWN.02.sh4	CHECKED - AJD	REVISED -			0339	SN 20-00124-00CH	COOK	153	93	
PLOT SCALE = 48"		DATE - \$DATE\$	REVISED -			CONTRACT NO. 61K07					
\$MODELNAME\$	PLOT DATE = 11/6/2024					ILLINOIS FED. AID PROJECT					

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. TO STA.

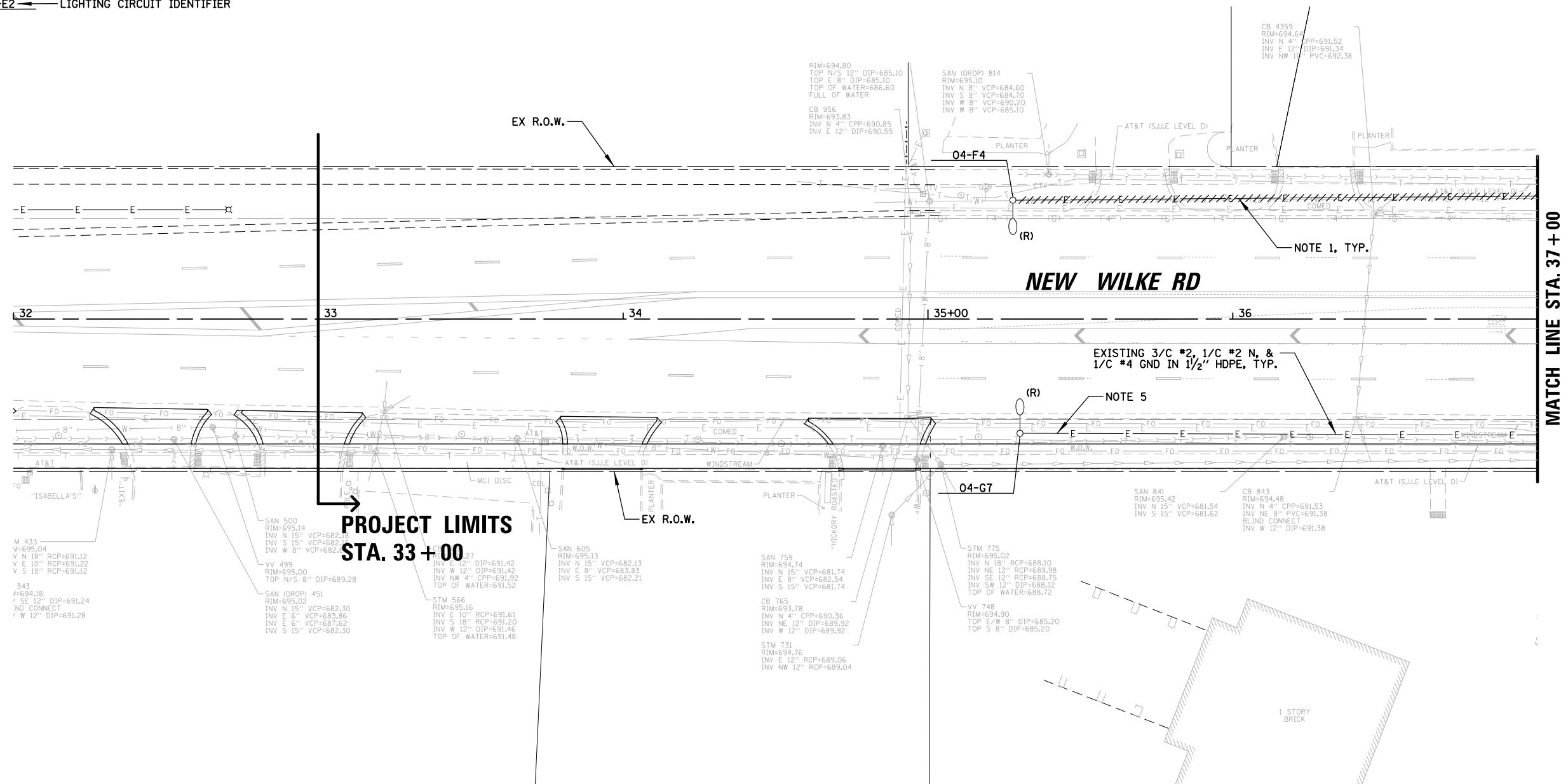
LEGEND

- (R) EXISTING LIGHT STANDARD TO REMAIN
(R) = OWNED AND MAINTAINED BY CITY OF ROLLING MEADOWS
(A) = OWNED AND MAINTAINED BY VILLAGE OF ARLINGTON HEIGHTS
- REM(R) EXISTING LIGHT STANDARD TO BE REMOVED AT START OF CONSTRUCTION AND SALVAGED
- REL(R) EXISTING LIGHT STANDARD TO BE RELOCATED AT START OF CONSTRUCTION
- TEMPORARY WOOD POLE WITH TEMPORARY LED LUMINAIRE MOUNTED AT 45'-0" WITH 15' ARM, PERPENDICULAR TO THE ROAD CONNECTED TO TEMP SIGNAL CABINET (SEE TEMP INTERSECTION LIGHTING PLANS FOR LUMINAIRE INFO)
- E- EXISTING UNDERGROUND CONDUIT
- // // // // CABLE/CONDUIT TO BE ABANDONED
- LIGHT POLE CONTROLLER IDENTIFIER
- 04-E2 LIGHTING CIRCUIT IDENTIFIER



NOTES:

1. CONDUIT/WIRE TO BE ABANDONED SHALL REMAIN IN PLACE UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. THEN THE EXISTING CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
2. CUT EXISTING CONDUIT/WIRE AND REROUTE/RECONNECT INTO RELOCATED LIGHT POLE.
3. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO ROLLING MEADOWS PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
4. WORK SHALL BE PERFORMED TO ENSURE ALL LIGHTS ARE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
5. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WIRING FROM CONDUIT. CONDUIT SHALL BE REUSED (SEE PROPOSED LIGHTING PLAN).



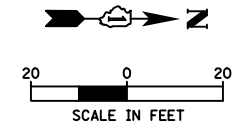
FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) REMOVAL/TEMPORARY PLAN (3 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\tbg.net\cbbel\cbbel\dt\ROLLINGMEADOWS\980361BR\980361BR200\980361BR246\Mech\REM_980361BR_03.shx	PLOT SCALE = 48'	CHECKED - AJD	REVISED -			0339	SN 20-00124-00CH	COOK	153	94
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE - \$DATE\$	REVISED -			CONTRACT NO. 61K07				

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

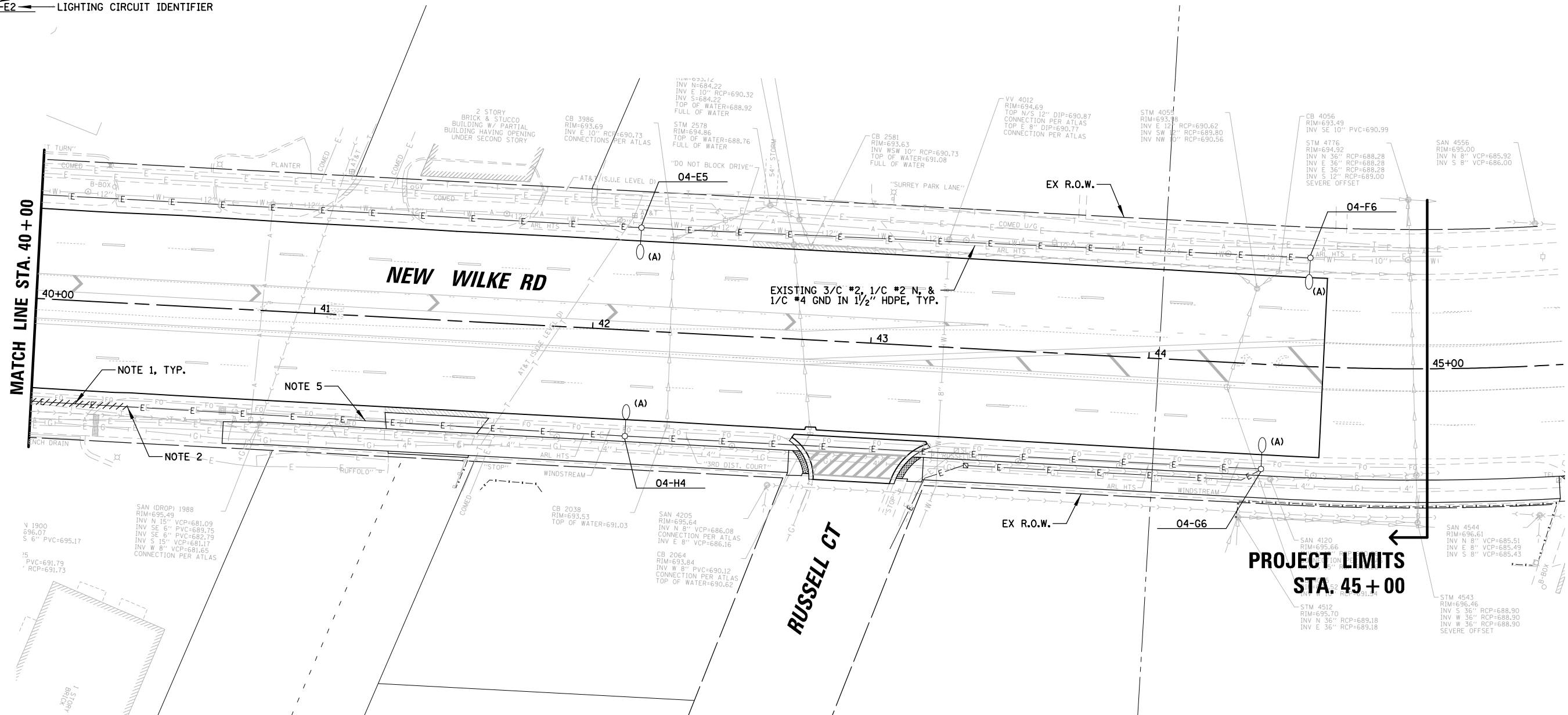
LEGEND

- (R) EXISTING LIGHT STANDARD TO REMAIN
(R) = OWNED AND MAINTAINED BY CITY OF ROLLING MEADOWS
(A) = OWNED AND MAINTAINED BY VILLAGE OF ARLINGTON HEIGHTS
- REM(R) EXISTING LIGHT STANDARD TO BE REMOVED AT START OF CONSTRUCTION AND SALVAGED
- REL(R) EXISTING LIGHT STANDARD TO BE RELOCATED AT START OF CONSTRUCTION
- TEMPORARY WOOD POLE WITH TEMPORARY LED LUMINAIRE MOUNTED AT 45'-0" WITH 15' ARM, PERPENDICULAR TO THE ROAD CONNECTED TO TEMP SIGNAL CABINET (SEE TEMP INTERSECTION LIGHTING PLANS FOR LUMINAIRE INFO)
- E EXISTING UNDERGROUND CONDUIT
- CABLE/CONDUIT TO BE ABANDONED
- LIGHT POLE CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER

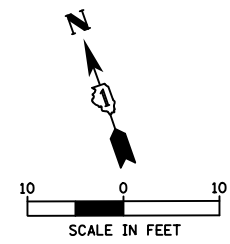
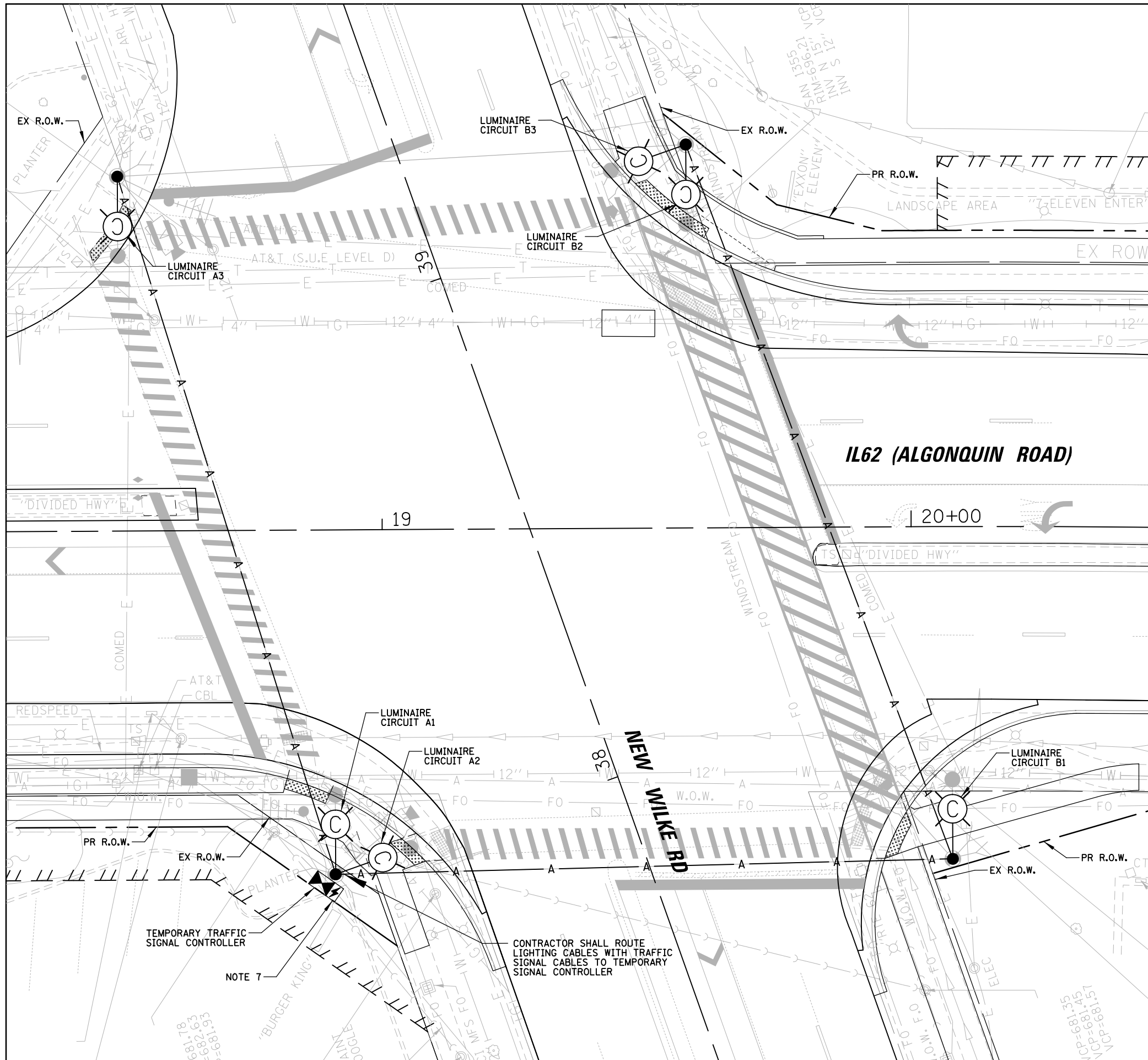


NOTES:

1. CONDUIT/WIRE TO BE ABANDONED SHALL REMAIN IN PLACE UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. THEN THE EXISTING CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
2. CUT EXISTING CONDUIT/WIRE AND REROUTE/RECONNECT INTO RELOCATED LIGHT POLE.
3. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO ROLLING MEADOWS PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
4. WORK SHALL BE PERFORMED TO ENSURE ALL LIGHTS ARE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
5. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WIRING FROM CONDUIT. CONDUIT SHALL BE REUSED (SEE PROPOSED LIGHTING PLAN).



FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) REMOVAL/TEMPORARY PLAN (4 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\tbg.net\cbbel\cbbel\ROLLINGMEADOWS\980361\BR200\980361\BR246\Mech\REM\980361\DRAWN_04.shx	DESIGNED - RJJ RMS	REVISED -	0339			SN 20-00124-00CH	COOK	153	95	
PLOT SCALE = 40'	CHECKED - AJD	REVISED -	CONTRACT NO. 61K07							
PLOT DATE = 11/6/2024	DATE - \$DATE\$	REVISED -	ILLINOIS FED. AID PROJECT							
\$MODELNAME\$				SCALE: 1" = 20'	SHEET 4 OF 4 SHEETS	STA.	TO STA.			



LEGEND

- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO 120 VOLT LED LUMINAIRES (OUTPUT DESIGNATION H) ORIENTATED AT 71° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND ONE 120 VOLT LED LUMINAIRE (OUTPUT DESIGNATION H) WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- A — TEMPORARY AERIAL CABLE, 2/C #8 WITH MESSENGER WIRE ROUTED OVERHEAD WITH TEMPORARY TRAFFIC SIGNAL CABLES

NOTES:

1. THE PROPOSED TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
2. TEMPORARY COMBINATION POLE LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. TEMPORARY LIGHTING CABLE SHALL BE ATTACHED AERIALY TO TRAFFIC SIGNAL MESSENGER WIRE.
4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES, AND CONTROLLER.
5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
6. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING. PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE".
7. CONTRACTOR SHALL FURNISH AND INSTALL (2) 30A, 1-POLE CIRCUIT BREAKERS INSIDE TEMPORARY TRAFFIC SIGNAL CONTROLLER FOR TEMPORARY LIGHTING CIRCUITS. INCLUDED IN TRAFFIC SIGNAL WORK

FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) TEMPORARY INTERSECTION LIGHTING PLAN (1 OF 1)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\ROLLINGMEADOWS\980361.BR\980361BR246_05.sht								0339	SN 20-00124-00CH	COOK	153	96
PLOT SCALE = 20'								CONTRACT NO. 61K07				
PLOT DATE = 11/6/2024								ILLINOIS FED. AID PROJECT				

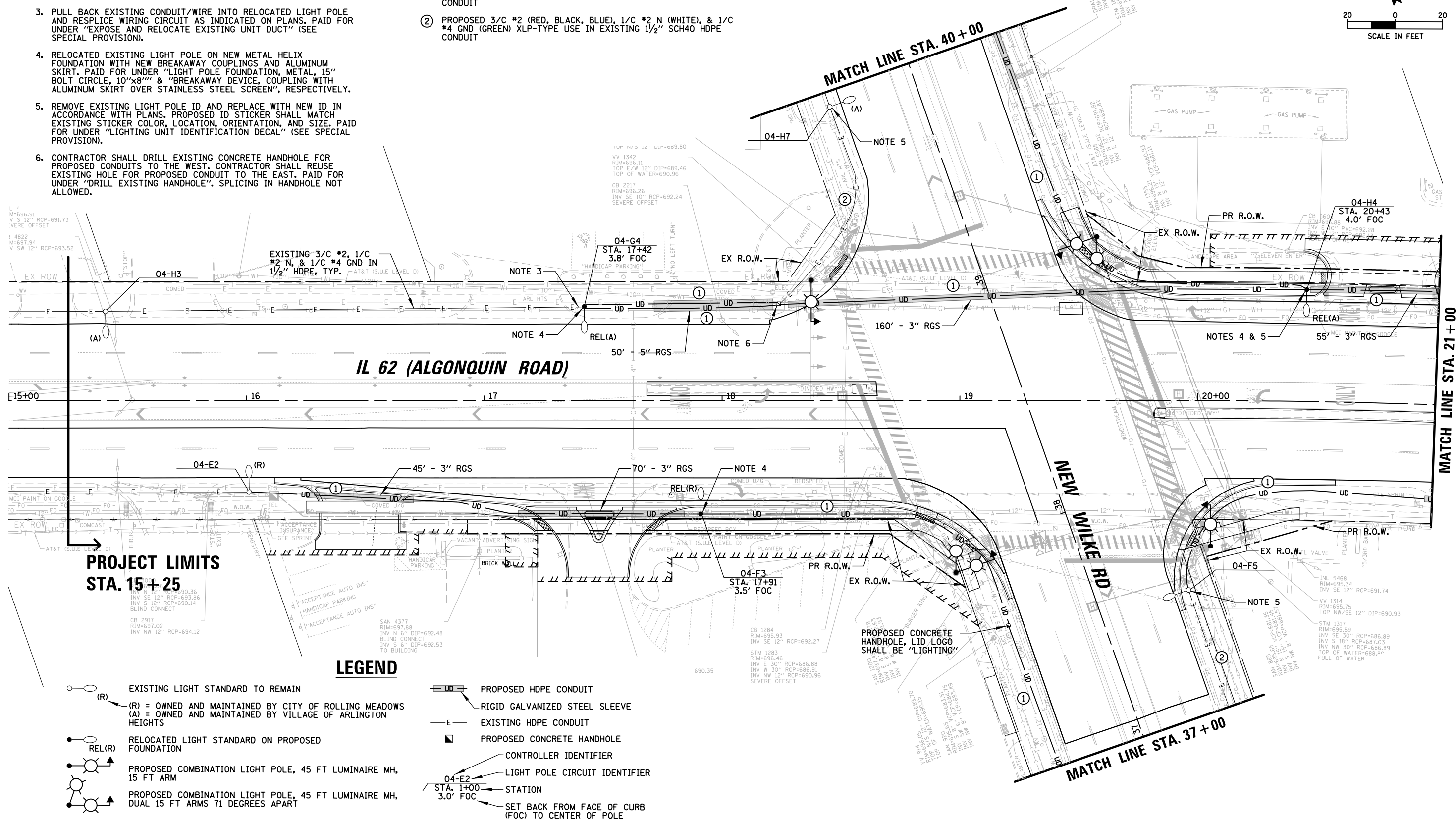
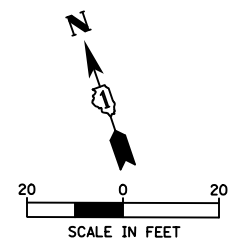
SCALE: 1" = 10' SHEET 1 OF 1 SHEETS STA. TO STA.

NOTES:

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. PULL BACK EXISTING CONDUIT/WIRE INTO RELOCATED LIGHT POLE AND RESPLICE WIRING CIRCUIT AS INDICATED ON PLANS. PAID FOR UNDER "EXPOSE AND RELOCATE EXISTING UNIT DUCT" (SEE SPECIAL PROVISION).
4. RELOCATED EXISTING LIGHT POLE ON NEW METAL HELIX FOUNDATION WITH NEW BREAKAWAY COUPLINGS AND ALUMINUM SKIRT. PAID FOR UNDER "LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10"x8" & "BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN", RESPECTIVELY.
5. REMOVE EXISTING LIGHT POLE ID AND REPLACE WITH NEW ID IN ACCORDANCE WITH PLANS. PROPOSED ID STICKER SHALL MATCH EXISTING STICKER COLOR, LOCATION, ORIENTATION, AND SIZE. PAID FOR UNDER "LIGHTING UNIT IDENTIFICATION DECAL" (SEE SPECIAL PROVISION).
6. CONTRACTOR SHALL DRILL EXISTING CONCRETE HANDHOLE FOR PROPOSED CONDUITS TO THE WEST. CONTRACTOR SHALL REUSE EXISTING HOLE FOR PROPOSED CONDUIT TO THE EAST. PAID FOR UNDER "DRILL EXISTING HANDHOLE". SPLICING IN HANDHOLE NOT ALLOWED.

CONDUCTOR /CONDUIT SCHEDULE

- ① PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN PROPOSED 1/2" SCH40 HDPE CONDUIT
- ② PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN EXISTING 1/2" SCH40 HDPE CONDUIT

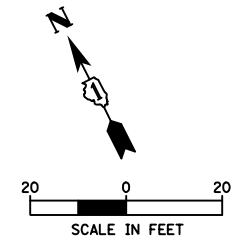


PROJECT LIMITS
STA. 15+25

LEGEND

- EXISTING LIGHT STANDARD TO REMAIN
- (R) = OWNED AND MAINTAINED BY CITY OF ROLLING MEADOWS
(A) = OWNED AND MAINTAINED BY VILLAGE OF ARLINGTON HEIGHTS
- RELOCATED LIGHT STANDARD ON PROPOSED FOUNDATION
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 71 DEGREES APART
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED CONCRETE HANDHOLE
- CONTROLLER IDENTIFIER
- LIGHT POLE CIRCUIT IDENTIFIER
- STA. 1+00
3.0' FOC
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE

FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) PROPOSED LIGHTING PLAN (1 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\tbg.net\CBBEL\CBBEL\FT\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Mech\LGT_980361.DWG	PLOT SCALE = 48"	CHECKED - AJD	REVISED -			0339	SN 20-00124-00CH	COOK	153	97	
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE - \$DATE\$	REVISED -			CONTRACT NO. 61K07					
						SCALE: 1" = 20'	SHEET 1	OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



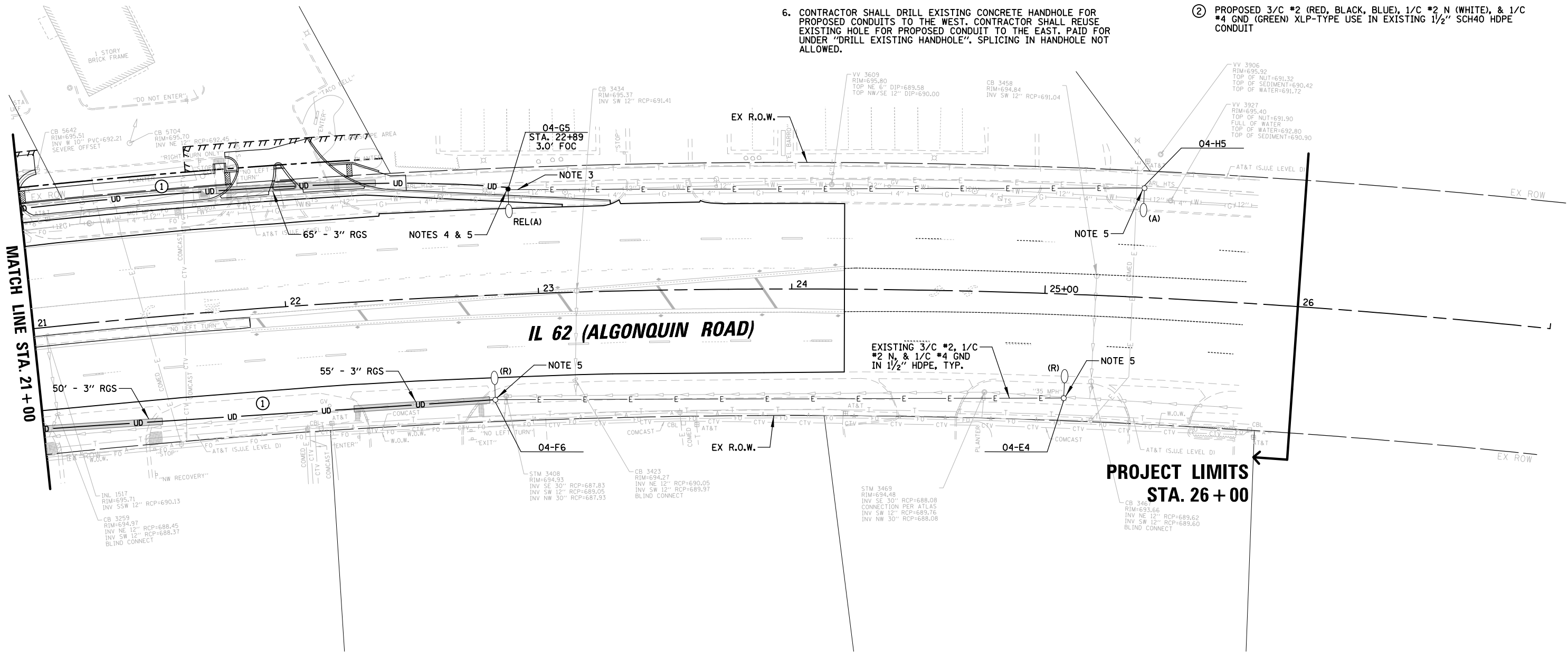
LEGEND

- (R) = EXISTING LIGHT STANDARD TO REMAIN
- (A) = OWNED AND MAINTAINED BY CITY OF ROLLING MEADOWS
(R) = OWNED AND MAINTAINED BY VILLAGE OF ARLINGTON HEIGHTS
- REL(R) = RELOCATED LIGHT STANDARD ON PROPOSED FOUNDATION
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 71 DEGREES APART
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED CONCRETE HANDHOLE
- CONTROLLER IDENTIFIER
- LIGHT POLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE

- NOTES:
- PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
 - NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
 - PULL BACK EXISTING CONDUIT/WIRE INTO RELOCATED LIGHT POLE AND RESPLICE WIRING CIRCUIT AS INDICATED ON PLANS. PAID FOR UNDER "EXPOSE AND RELOCATE EXISTING UNIT DUCT" (SEE SPECIAL PROVISION).
 - RELOCATED EXISTING LIGHT POLE ON NEW METAL HELIX FOUNDATION WITH NEW BREAKAWAY COUPLINGS AND ALUMINUM SKIRT. PAID FOR UNDER "LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10"x8" & "BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN", RESPECTIVELY.
 - REMOVE EXISTING LIGHT POLE ID AND REPLACE WITH NEW ID IN ACCORDANCE WITH PLANS. PROPOSED ID STICKER SHALL MATCH EXISTING STICKER COLOR, LOCATION, ORIENTATION, AND SIZE. PAID FOR UNDER "LIGHTING UNIT IDENTIFICATION DECAL" (SEE SPECIAL PROVISION).
 - CONTRACTOR SHALL DRILL EXISTING CONCRETE HANDHOLE FOR PROPOSED CONDUITS TO THE WEST. CONTRACTOR SHALL REUSE EXISTING HOLE FOR PROPOSED CONDUIT TO THE EAST. PAID FOR UNDER "DRILL EXISTING HANDHOLE". SPLICING IN HANDHOLE NOT ALLOWED.

CONDUCTOR /CONDUIT SCHEDULE

- PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN PROPOSED 1/2" SCH40 HDPE CONDUIT
- PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN EXISTING 1/2" SCH40 HDPE CONDUIT



FILE NAME =	USER NAME = amissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) PROPOSED LIGHTING PLAN (2 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\tbg.net\cbbel\cbbel\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Mech\LGT_980361BR246\DRAWN.02.shx	980361.BR\BR200\980361BR246\Mech\LGT_980361BR246\DRAWN.02.shx	CHECKED - AJD	REVISED -			0339	SN 20-00124-00CH	COOK	153	98	
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE - \$DATE\$	REVISED -			CONTRACT NO. 61K07					
						SCALE: 1" = 20'		SHEET 2 OF 4 SHEETS		STA. TO STA.	

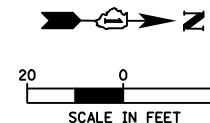
LEGEND

- (R) = EXISTING LIGHT STANDARD TO REMAIN
- (REL(R)) = RELOCATED LIGHT STANDARD ON PROPOSED FOUNDATION
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 71 DEGREES APART

- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED CONCRETE HANDHOLE
- CONTROLLER IDENTIFIER
- LIGHT POLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE

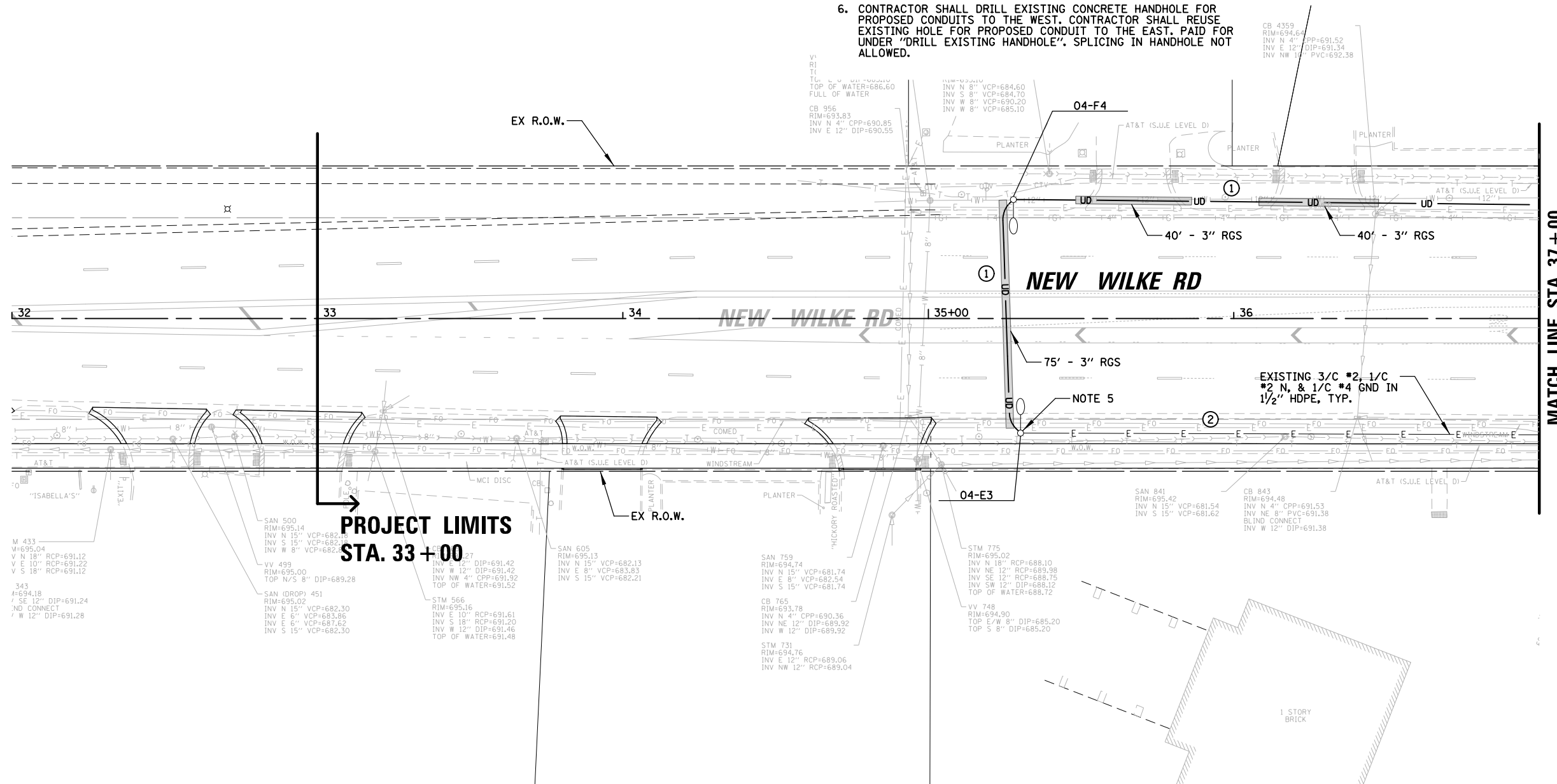
NOTES:

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. PULL BACK EXISTING CONDUIT/WIRE INTO RELOCATED LIGHT POLE AND RESPLICE WIRING CIRCUIT AS INDICATED ON PLANS. PAID FOR UNDER "EXPOSE AND RELOCATE EXISTING UNIT DUCT" (SEE SPECIAL PROVISION).
4. RELOCATED EXISTING LIGHT POLE ON NEW METAL HELIX FOUNDATION WITH NEW BREAKAWAY COUPLINGS AND ALUMINUM SKIRT. PAID FOR UNDER "LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10"x8" & "BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN", RESPECTIVELY.
5. REMOVE EXISTING LIGHT POLE ID AND REPLACE WITH NEW ID IN ACCORDANCE WITH PLANS. PROPOSED ID STICKER SHALL MATCH EXISTING STICKER COLOR, LOCATION, ORIENTATION, AND SIZE. PAID FOR UNDER "LIGHTING UNIT IDENTIFICATION DECAL" (SEE SPECIAL PROVISION).
6. CONTRACTOR SHALL DRILL EXISTING CONCRETE HANDHOLE FOR PROPOSED CONDUITS TO THE WEST. CONTRACTOR SHALL REUSE EXISTING HOLE FOR PROPOSED CONDUIT TO THE EAST. PAID FOR UNDER "DRILL EXISTING HANDHOLE". SPLICING IN HANDHOLE NOT ALLOWED.



CONDUCTOR /CONDUIT SCHEDULE

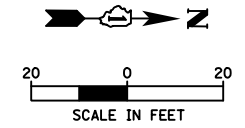
- ① PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN PROPOSED 1/2" SCH40 HDPE CONDUIT
- ② PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN EXISTING 1/2" SCH40 HDPE CONDUIT



FILE NAME =	USER NAME = amissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) PROPOSED LIGHTING PLAN (3 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\tbg.net\CBBEL\CBBEL\DT\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Mech\LGT_980361.DWG	980361.BR\BR200\98361BR246\Mech\LGT_980361.DWG	CHECKED - AJD	REVISED -			0339	SN 20-00124-00CH	COOK	153	99
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE - \$DATE\$	REVISED -			CONTRACT NO. 61K07				

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



LEGEND

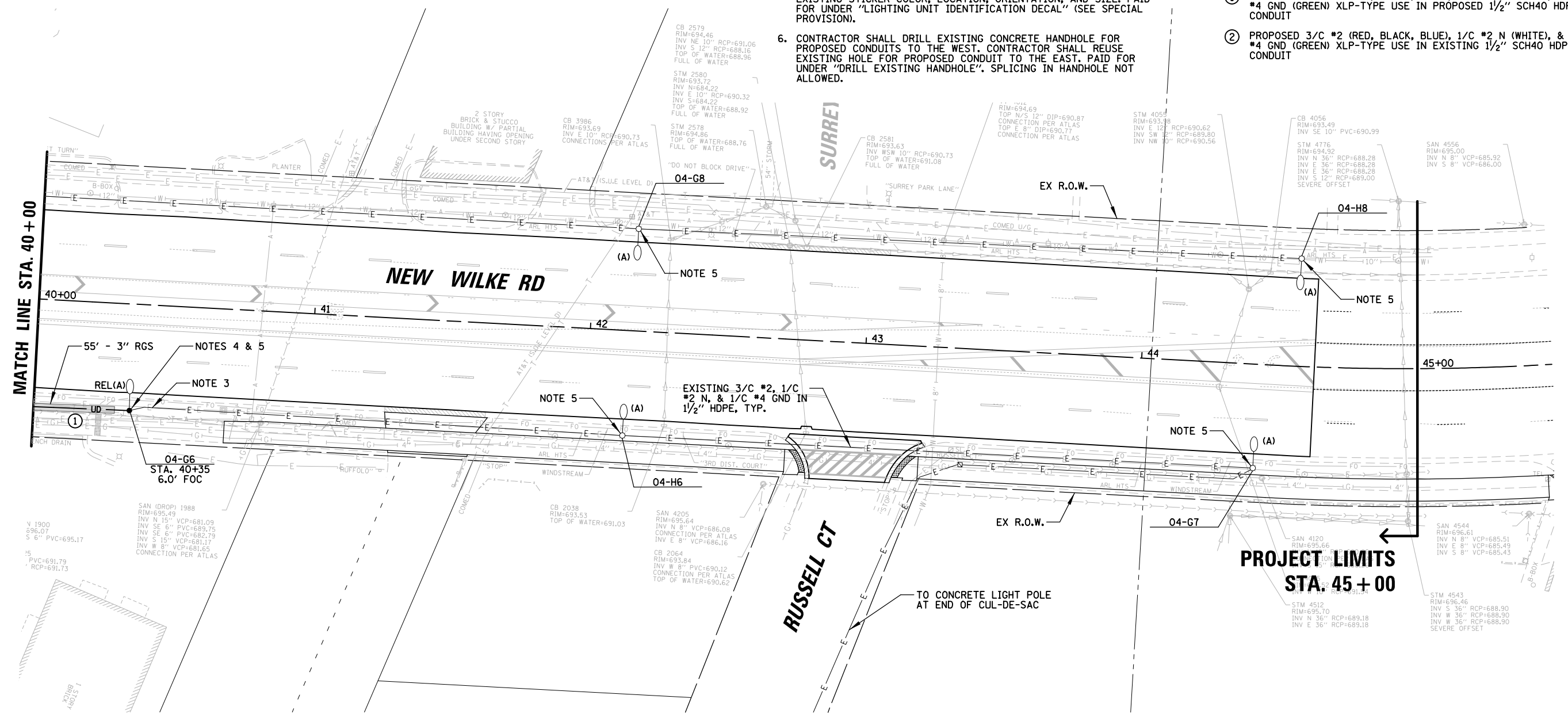
- (R) = EXISTING LIGHT STANDARD TO REMAIN
- REL(R) = RELOCATED LIGHT STANDARD ON PROPOSED FOUNDATION
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 71 DEGREES APART
- UD = PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- E = EXISTING HDPE CONDUIT
- PROPOSED CONCRETE HANDHOLE
- CONTROLLER IDENTIFIER
- LIGHT POLE CIRCUIT IDENTIFIER
- STA. 1+00 = STATION
- 3.0' FOC = SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE

NOTES:

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. PULL BACK EXISTING CONDUIT/WIRE INTO RELOCATED LIGHT POLE AND RESPLICE WIRING CIRCUIT AS INDICATED ON PLANS. PAID FOR UNDER "EXPOSE AND RELOCATE EXISTING UNIT DUCT" (SEE SPECIAL PROVISION).
4. RELOCATED EXISTING LIGHT POLE ON NEW METAL HELIX FOUNDATION WITH NEW BREAKAWAY COUPLINGS AND ALUMINUM SKIRT. PAID FOR UNDER "LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10"x8" & "BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN", RESPECTIVELY.
5. REMOVE EXISTING LIGHT POLE ID AND REPLACE WITH NEW ID IN ACCORDANCE WITH PLANS. PROPOSED ID STICKER SHALL MATCH EXISTING STICKER COLOR, LOCATION, ORIENTATION, AND SIZE. PAID FOR UNDER "LIGHTING UNIT IDENTIFICATION DECAL" (SEE SPECIAL PROVISION).
6. CONTRACTOR SHALL DRILL EXISTING CONCRETE HANDHOLE FOR PROPOSED CONDUITS TO THE WEST. CONTRACTOR SHALL REUSE EXISTING HOLE FOR PROPOSED CONDUIT TO THE EAST. PAID FOR UNDER "DRILL EXISTING HANDHOLE". SPLICING IN HANDHOLE NOT ALLOWED.

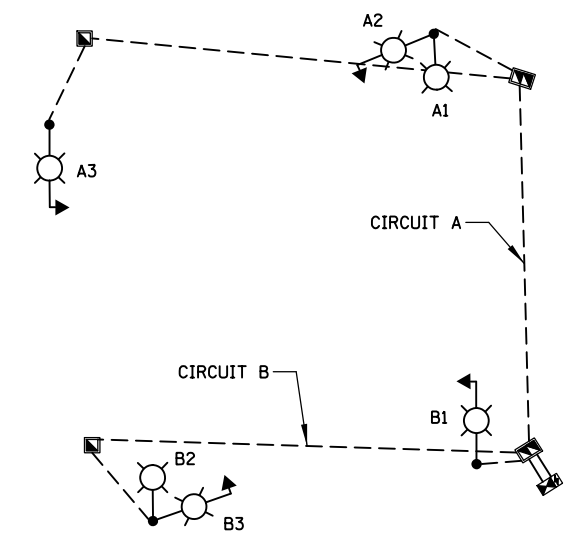
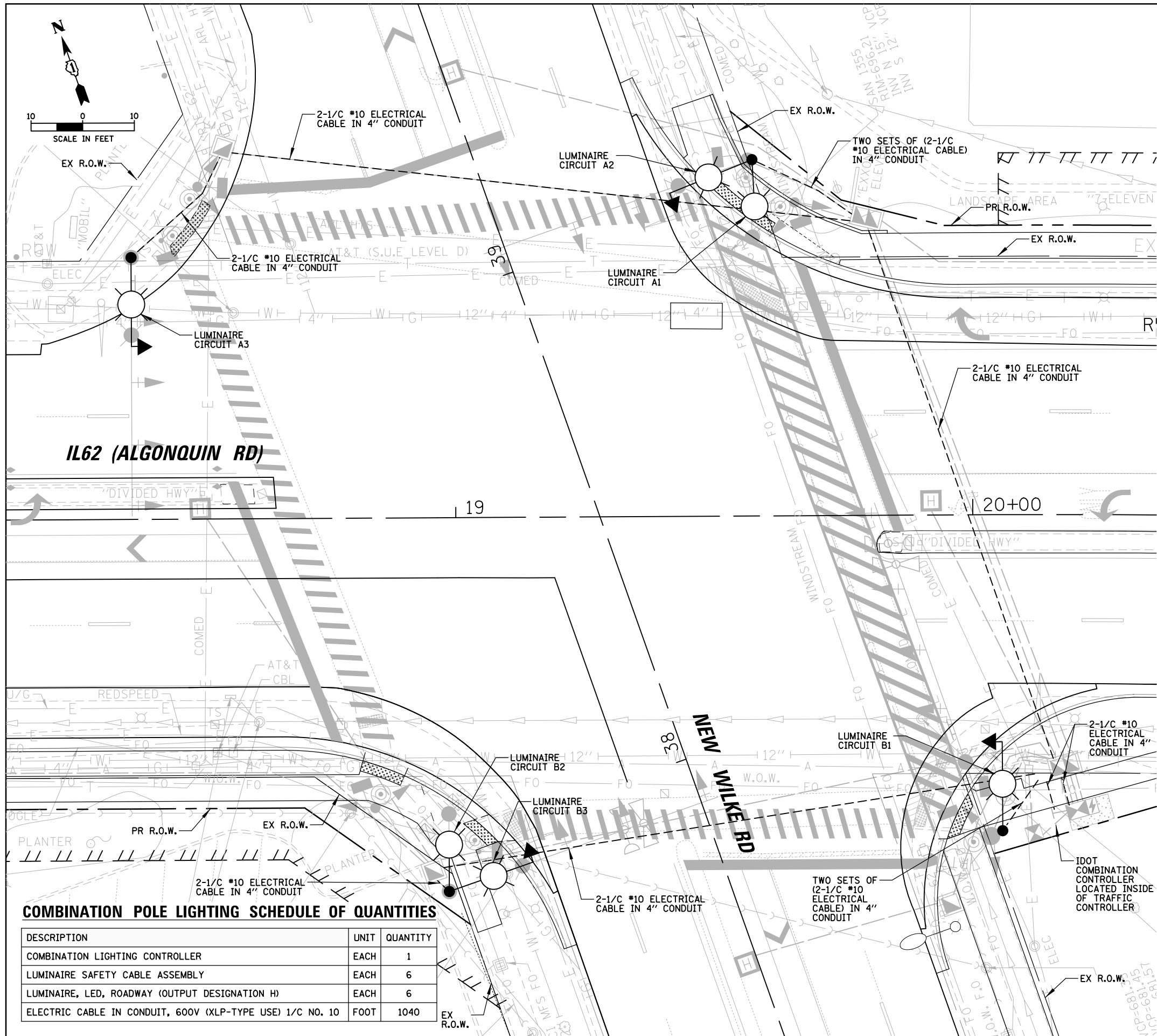
CONDUCTOR /CONDUIT SCHEDULE

- ① PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN PROPOSED 1/2" SCH40 HDPE CONDUIT
- ② PROPOSED 3/C #2 (RED, BLACK, BLUE), 1/C #2 N (WHITE), & 1/C #4 GND (GREEN) XLP-TYPE USE IN EXISTING 1/2" SCH40 HDPE CONDUIT

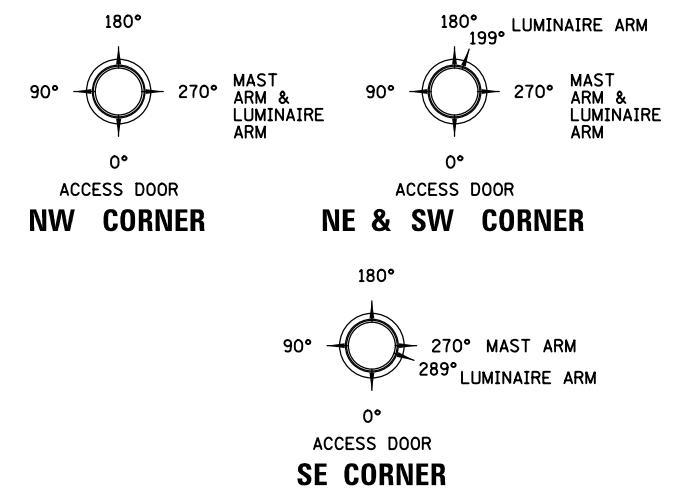


FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) PROPOSED LIGHTING PLAN (4 OF 4)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\tbg.net\CBBEL\DT\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Mech\LGT_980361.DWG	980361.BR\BR200\98361BR246\Mech\LGT_980361.DWG	DRAWN - RJJ RMS	REVISED -			0339	SN 20-00124-00CH	COOK	153	100	
PLOT SCALE = 48"		CHECKED - AJD	REVISED -			CONTRACT NO. 61K07					
PLOT DATE = 11/6/2024		DATE - \$DATE\$	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. TO STA.



ONE LINE DIAGRAM



LUMINAIRE ARM ORIENTATION DETAIL

LEGEND

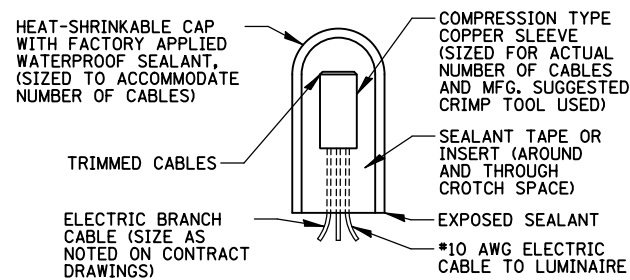
- PROPOSED IDOT OWNED AND MAINTAINED COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND LED LUMINAIRE (OUTPUT DESIGNATION H) WITH TYPE III DISTRIBUTION, 120V DRIVER, 6 AMP FUSE & NEUTRAL SLUG (SEE NOTE 7)
- PROPOSED IDOT OWNED AND MAINTAINED COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARMS 71 DEGREES APART AND LED LUMINAIRES (OUTPUT DESIGNATION H) WITH TYPE III DISTRIBUTION, 120V DRIVER, 6 AMP FUSE & NEUTRAL SLUG (SEE NOTE 7)
- PROPOSED COMBO LIGHTING CABLE IN CONDUIT, 2-1/2" ROUTED THROUGH TRAFFIC CONDUIT (SEE TRAFFIC PLANS FOR CONDUIT SIZE AND CONDUIT ROUTE)

NOTES:

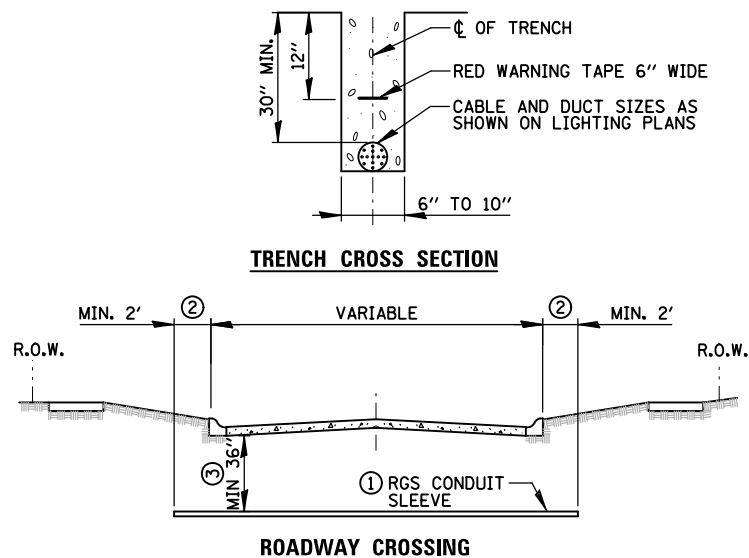
1. THE PROPOSED COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. COMBINATION POLE LUMINAIRES ARE POWERED FROM TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. THE COMBINATION LIGHTING CABLE AND TRAFFIC SIGNAL CABLES WILL BE IN A SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBINATION POLES, HANDHOLES, AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBINATION POLES. CIRCUITING SHOWN IS FOR ELECTRICAL CONNECTIONS ONLY.
6. SPLICING IS NOT ALLOWED IN BELOW GRADE HANDHOLES.
7. COMBINATION POLE LUMINAIRES SHALL HAVE LUMINAIRE SAFETY CABLE.

COMBINATION POLE LIGHTING SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	6
LUMINAIRE, LED, ROADWAY (OUTPUT DESIGNATION H)	EACH	6
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1040

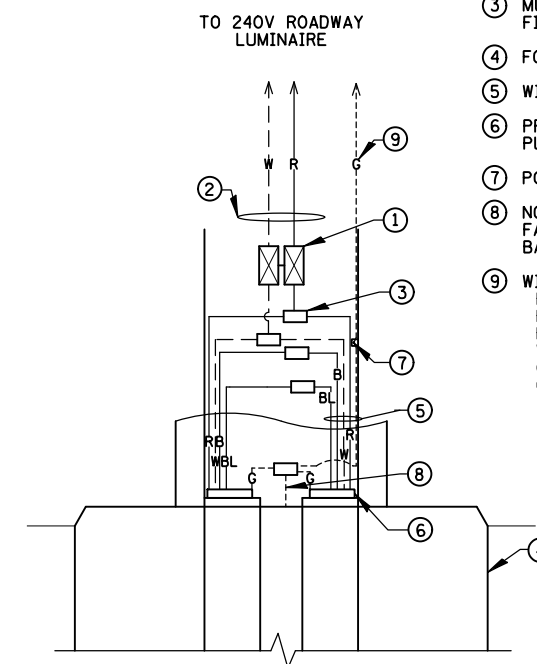


SPLICING ELECTRIC CABLE
N.T.S.



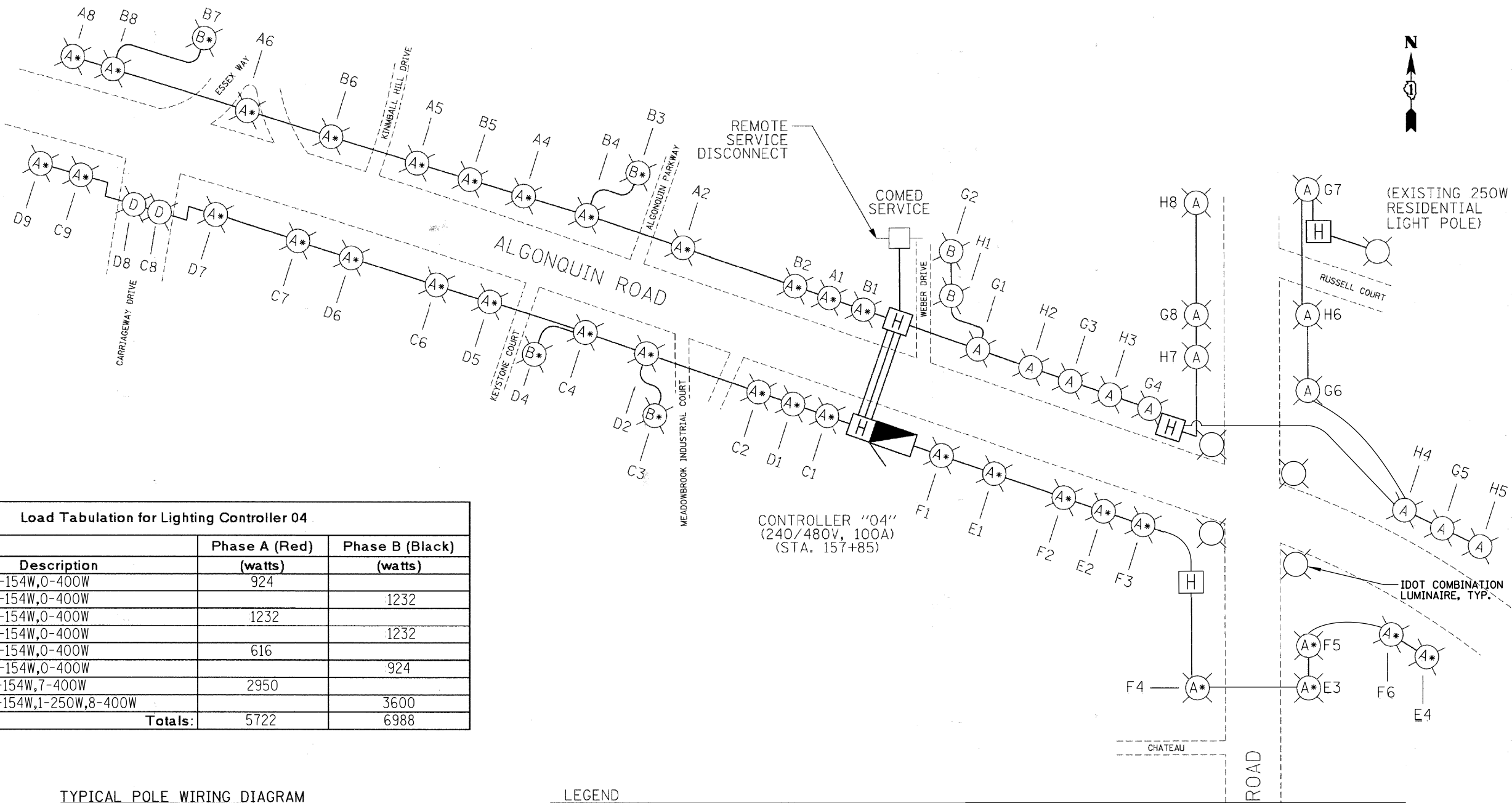
- ① SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
- ② SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ SLEEVE SHALL BE A MINIMUM OF 36" BELOW ROADWAY OR CURB BOTTOM.

ELECTRIC CONDUIT INSTALLATION
N.T.S.



- ① 5A FUSE FOR LUMINAIRES (NEUTRAL SHALL BE NON-FUSED) 2-POLE BREAKAWAY FUSE HOLDER & INSULATING BOOTS
- ② *10 XLP-TYPE USE POLE WIRES COLOR TO MATCH BRANCH WIRING
- ③ MULTIPLE COMPRESSION FITTINGS (SPLICE), TYP.
- ④ FOUNDATION
- ⑤ WIRES AS SHOWN ON PLANS
- ⑥ PROPOSED LIGHTING DUCT PULLED THROUGH PVC RACEWAY
- ⑦ POLE GROUND LUG
- ⑧ NO. 6 GROUND WIRE FASTENED TO FOUNDATION BASE PLATE
- ⑨ WIRE COLOR
R=RED
B=BLACK
BL=BLUE
W=WHITE
G=GREEN
(BLUE WIRE IS FOR SPARE)

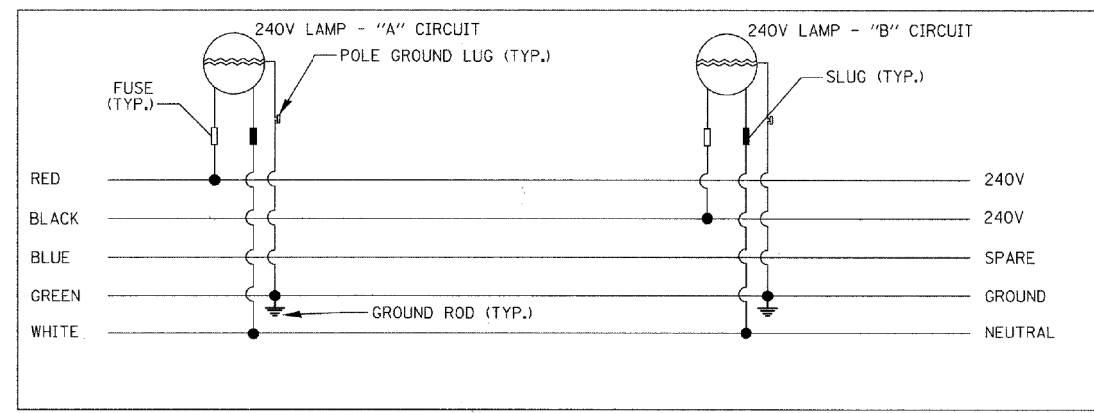
POLE HANDHOLE WIRING DIAGRAM
N.T.S.



Load Tabulation for Lighting Controller 04

Ckt. #	Description	Phase A (Red) (watts)	Phase B (Black) (watts)
A	0-150W,6-154W,0-400W	924	
B	0-150W,8-154W,0-400W		1232
C	0-150W,8-154W,0-400W	1232	
D	0-150W,8-154W,0-400W		1232
E	0-150W,4-154W,0-400W	616	
F	0-150W,6-154W,0-400W		924
G	1-150W,0-154W,7-400W	2950	
H	1-150W,0-154W,1-250W,8-400W		3600
Totals:		5722	6988

TYPICAL POLE WIRING DIAGRAM

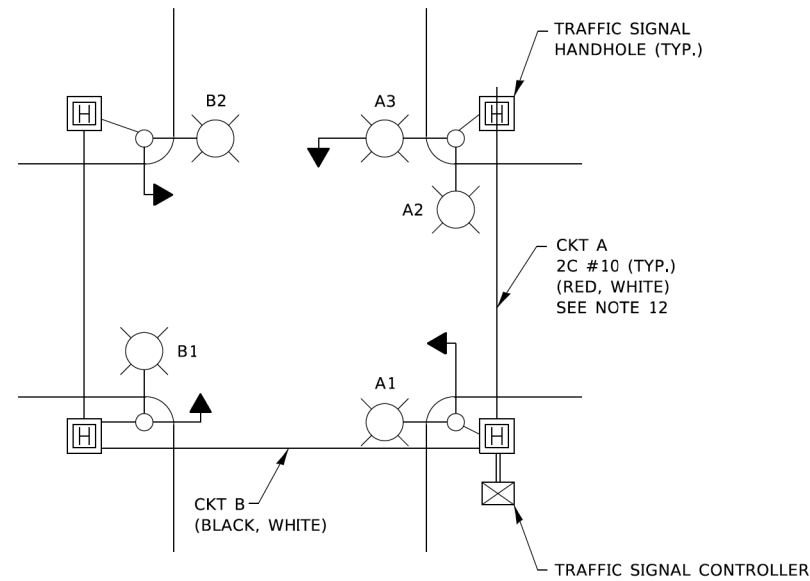


LEGEND

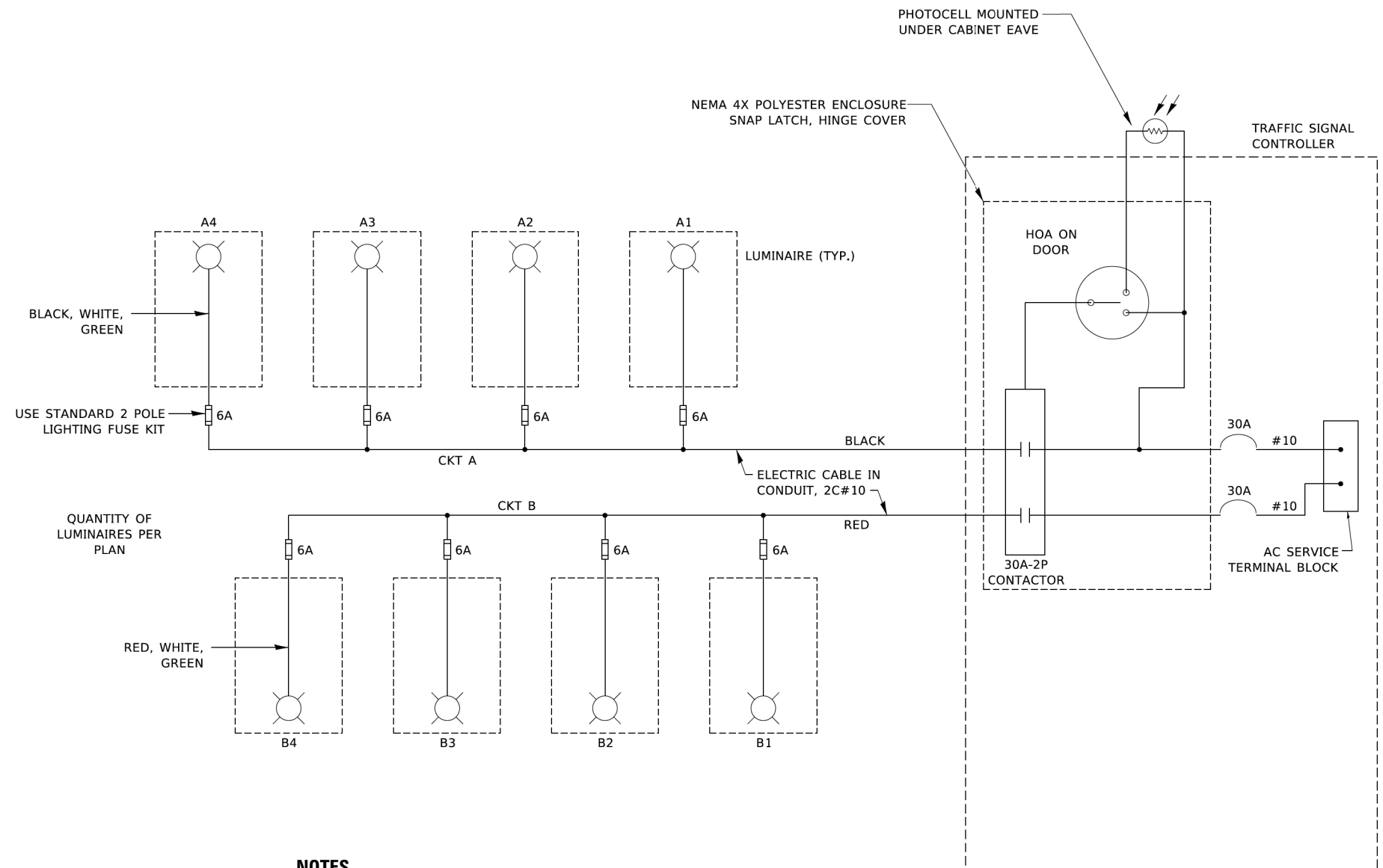
- LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 154W LED LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 2-6' MAST ARMS AND 154W LED LUMINAIRES
- LIGHTING CONTROLLER, 240/480V, 100A
- 4-1/2" NO. 2 AND 1/2" NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
- LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 154W LED LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 154W LED LUMINAIRE

LIGHTING ONE-LINE DIAGRAM

N.T.S.

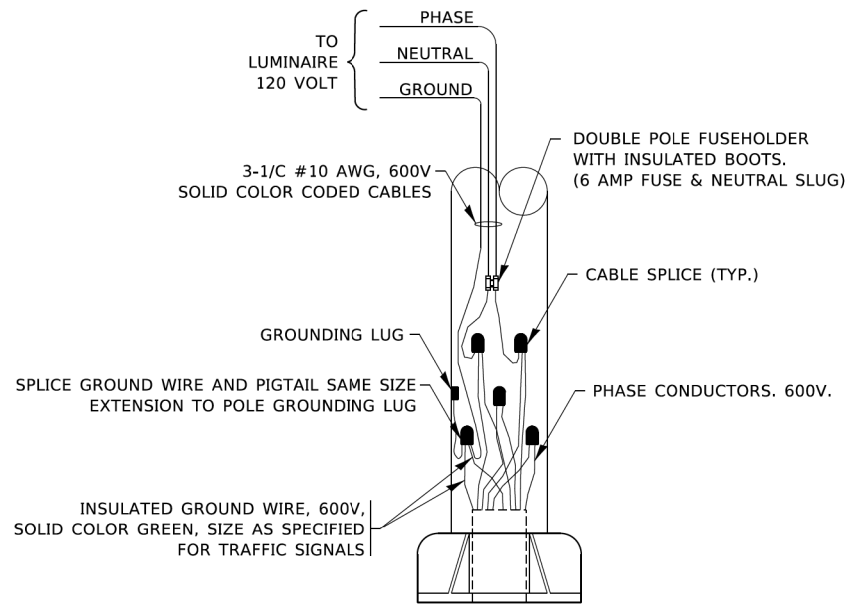


TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



NOTES

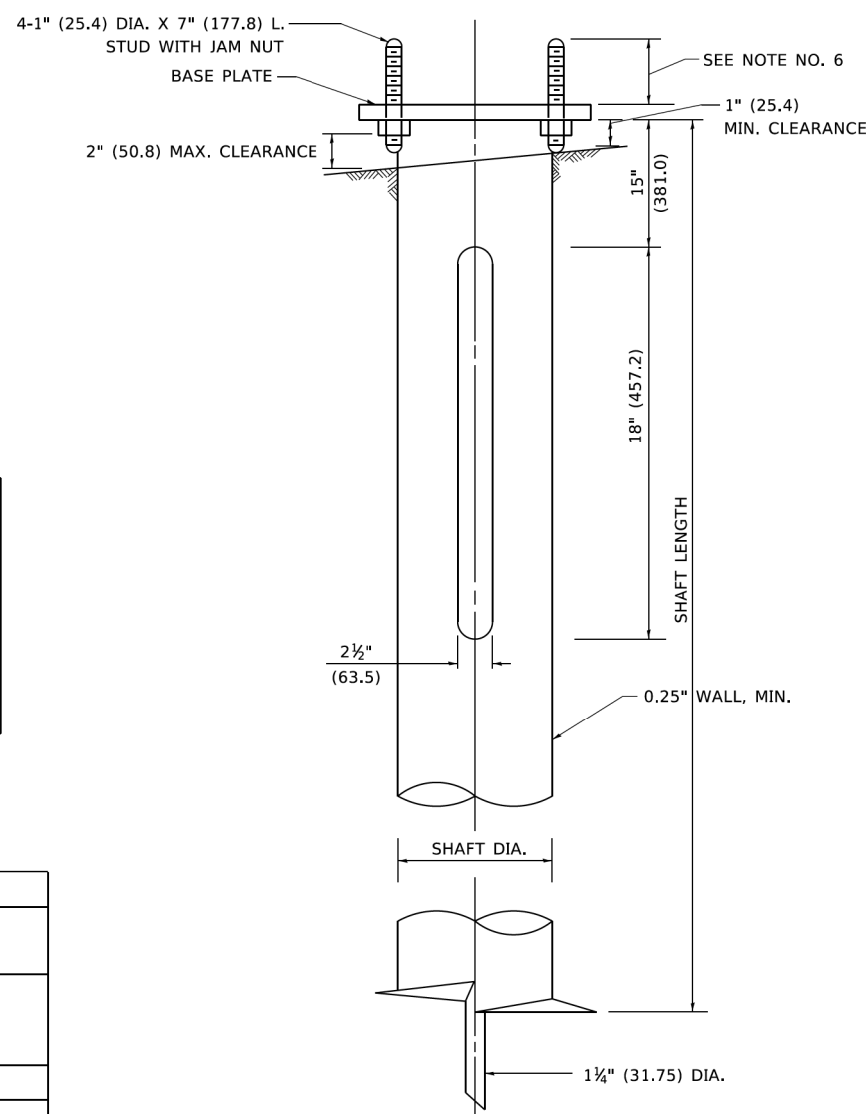
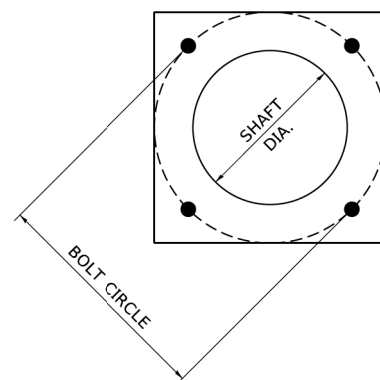
1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

IDOT STANDARD BE-240
(REVISED 8/3/2021)

FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) LIGHTING DETAILS (3 OF 13)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\980361\BR200\98361BR246\Mech\LDT_980361BR246_03.sht		DRAWN - RJJ RMS	REVISED -		SCALE: N.T.S.	SHEET 2	OF 12 SHEETS	STA.	TO STA.	0339	SN 20-00124-00CH	COOK	153 104
		CHECKED - AJD	REVISED -		CONTRACT NO. 61K07								
		DATE - \$DATE\$	REVISED -		ILLINOIS FED. AID PROJECT								



NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

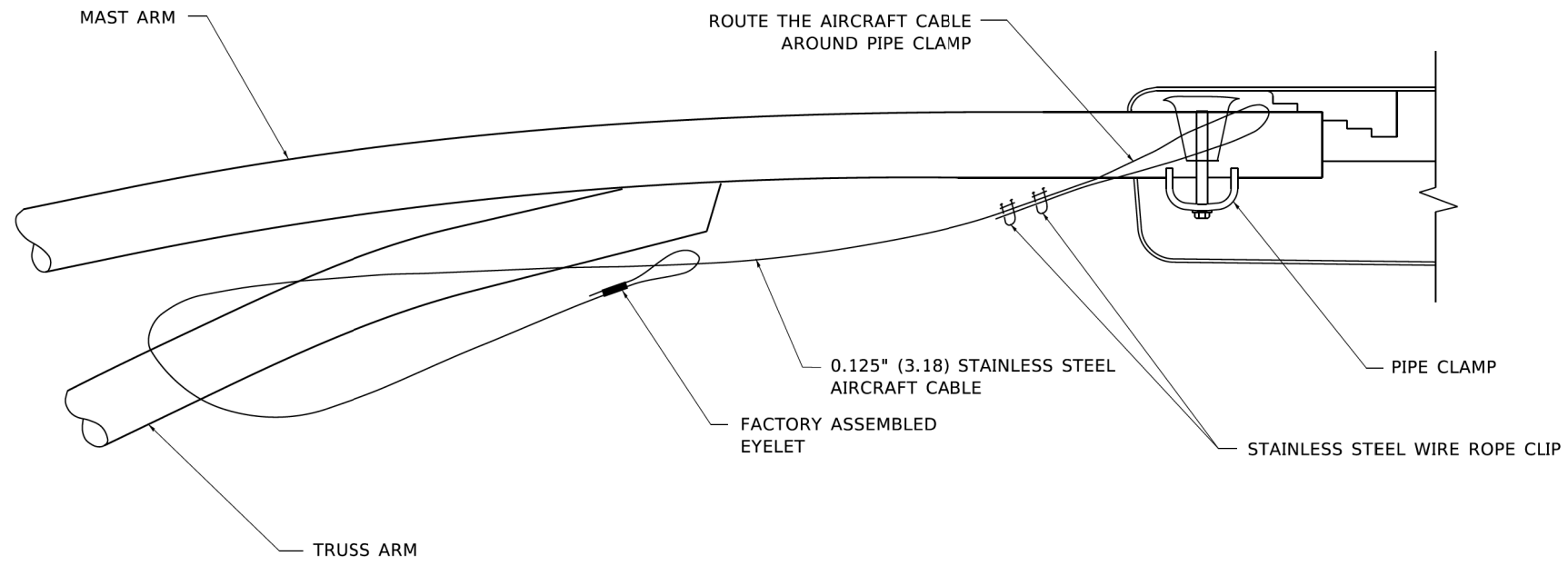
HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 3/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 3/8"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

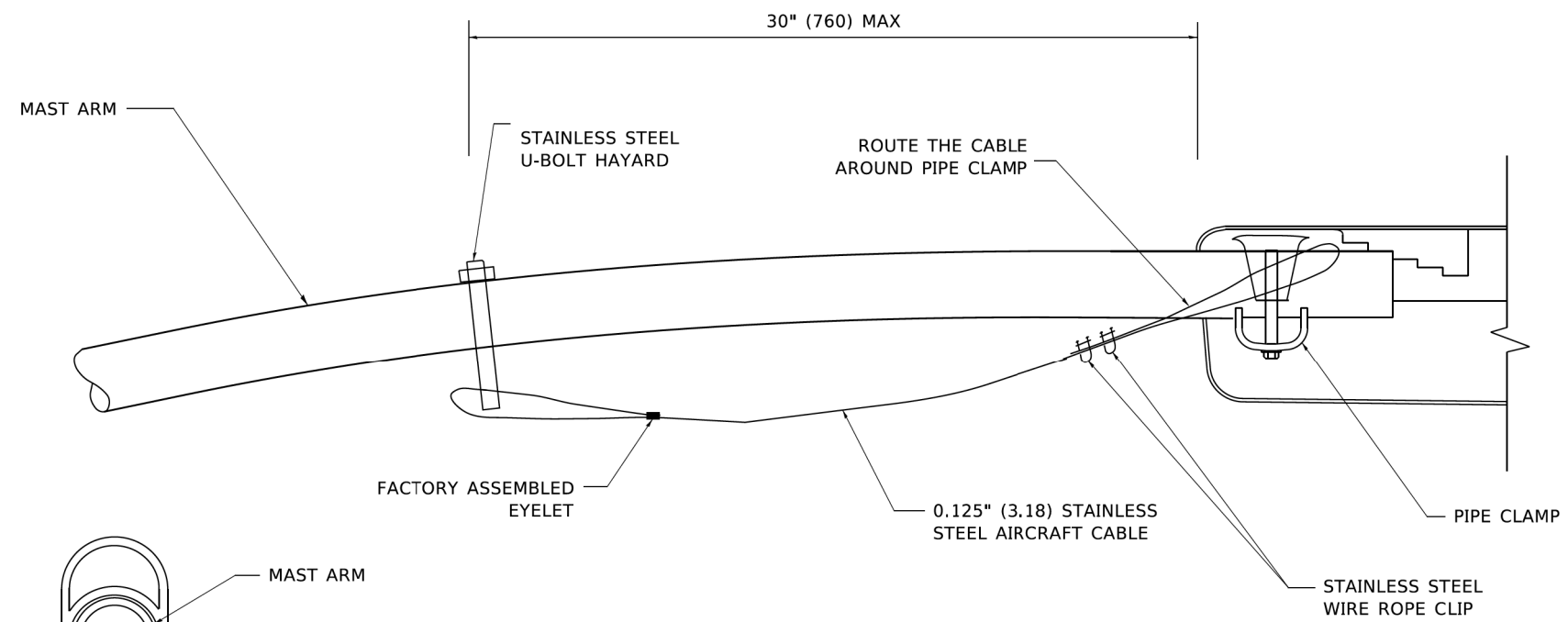
METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

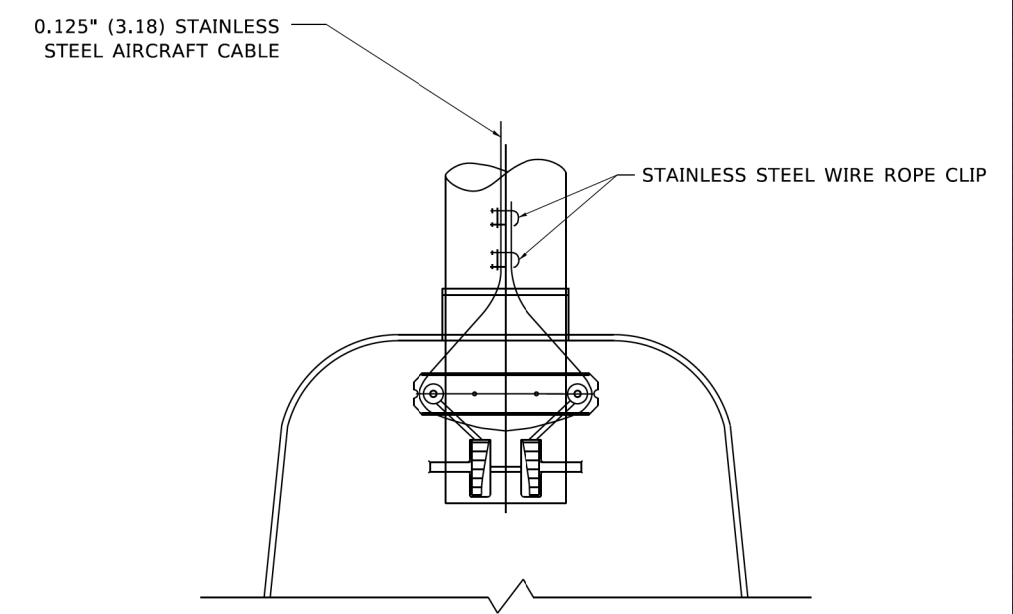
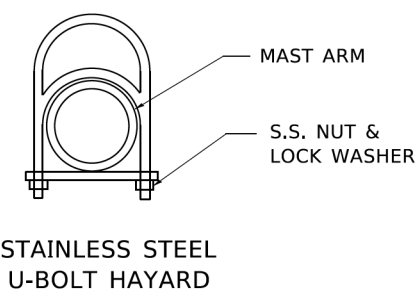
IDOT STANDARD BE-305
(REVISED 2/27/2007)



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

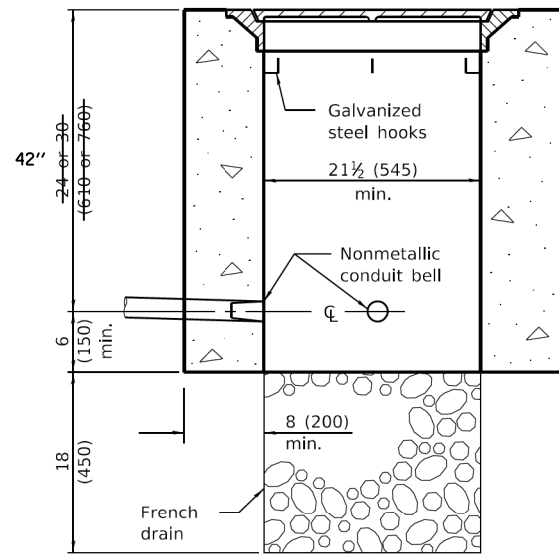
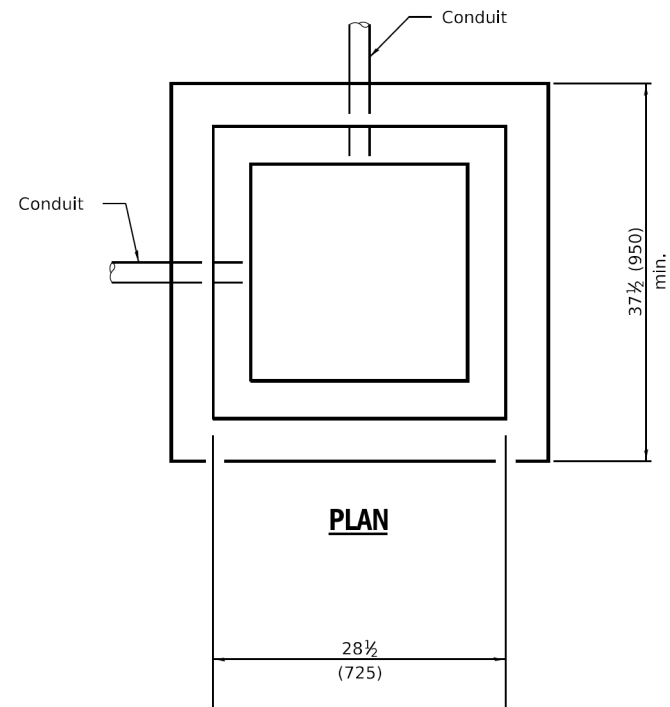


BOTTOM VIEW
N.T.S.

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
 3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
 4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

IDOT STANDARD BE-701
(REVISED 8/8/2003)

FILE NAME =	USER NAME = omissick	DESIGNED - AJD RJJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) LIGHTING DETAILS (5 OF 13)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\980361.BR's\BR200's\98361BR246\Mech\LDT_980361BR246_05.sht		DRAWN - RJJ RMS	REVISED -		0339	SN 20-00124-00CH	COOK	153	106			
		CHECKED - AJD	REVISED -		CONTRACT NO. 61K07							
#MODELNAME#	PLOT DATE = 11/6/2024	DATE - \$DATE#	REVISED -		SCALE: N.T.S.	SHEET 4	OF 12 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



ELEVATION

PORTLAND CEMENT CONCRETE

QUANTITIES

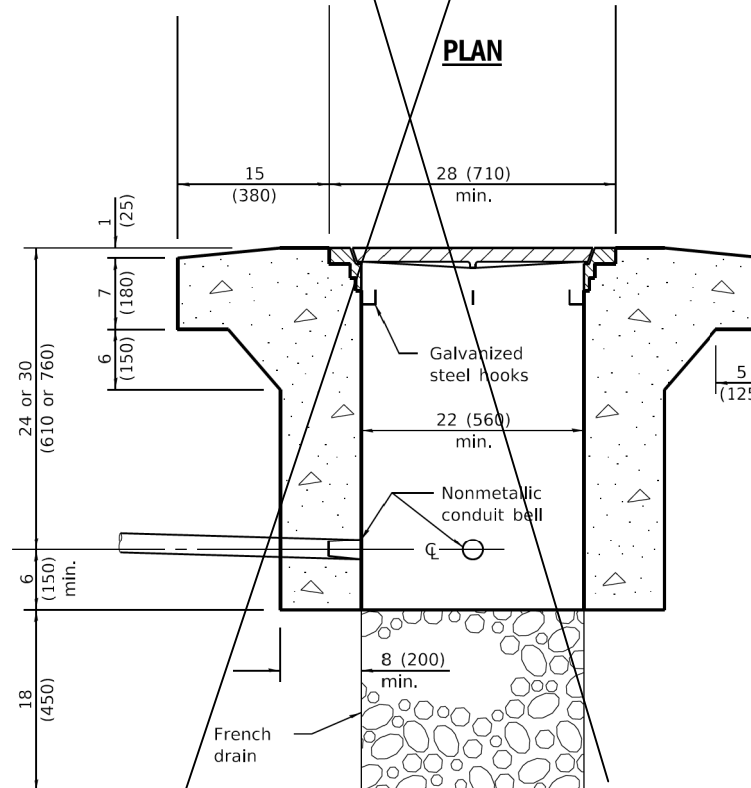
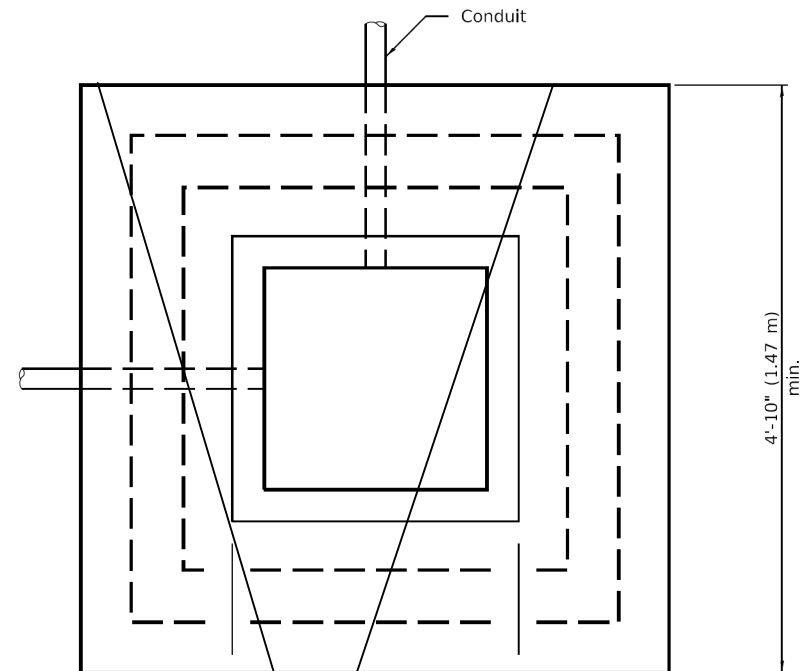
Depth	Concrete yd ³ (m ³)	
	Handhole	Heavy Duty Handhole
30 (762)	0.61 (0.47)	0.98 (0.75)
36 (914)	0.73 (0.56)	1.10 (0.84)

Illinois Department of Transportation

PASSED January 1, 2015
Angela Allen
 ENGINEER OF OPERATIONS

APPROVED January 1, 2015
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

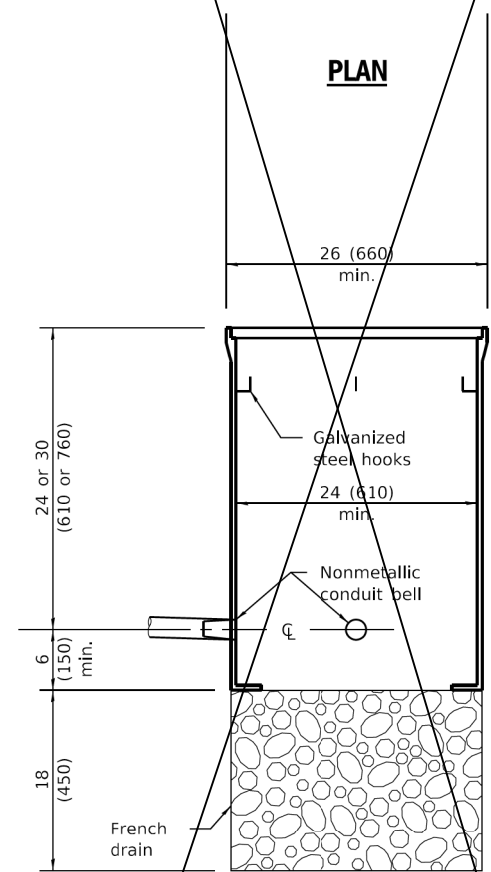
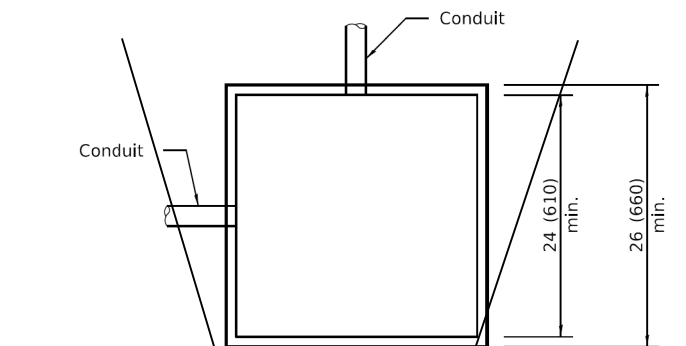
ISSUED 1-1-97



ELEVATION

**PORTLAND CEMENT CONCRETE
HEAVY DUTY**

CONCRETE HANDHOLE
N.T.S.



ELEVATION

COMPOSITE CONCRETE

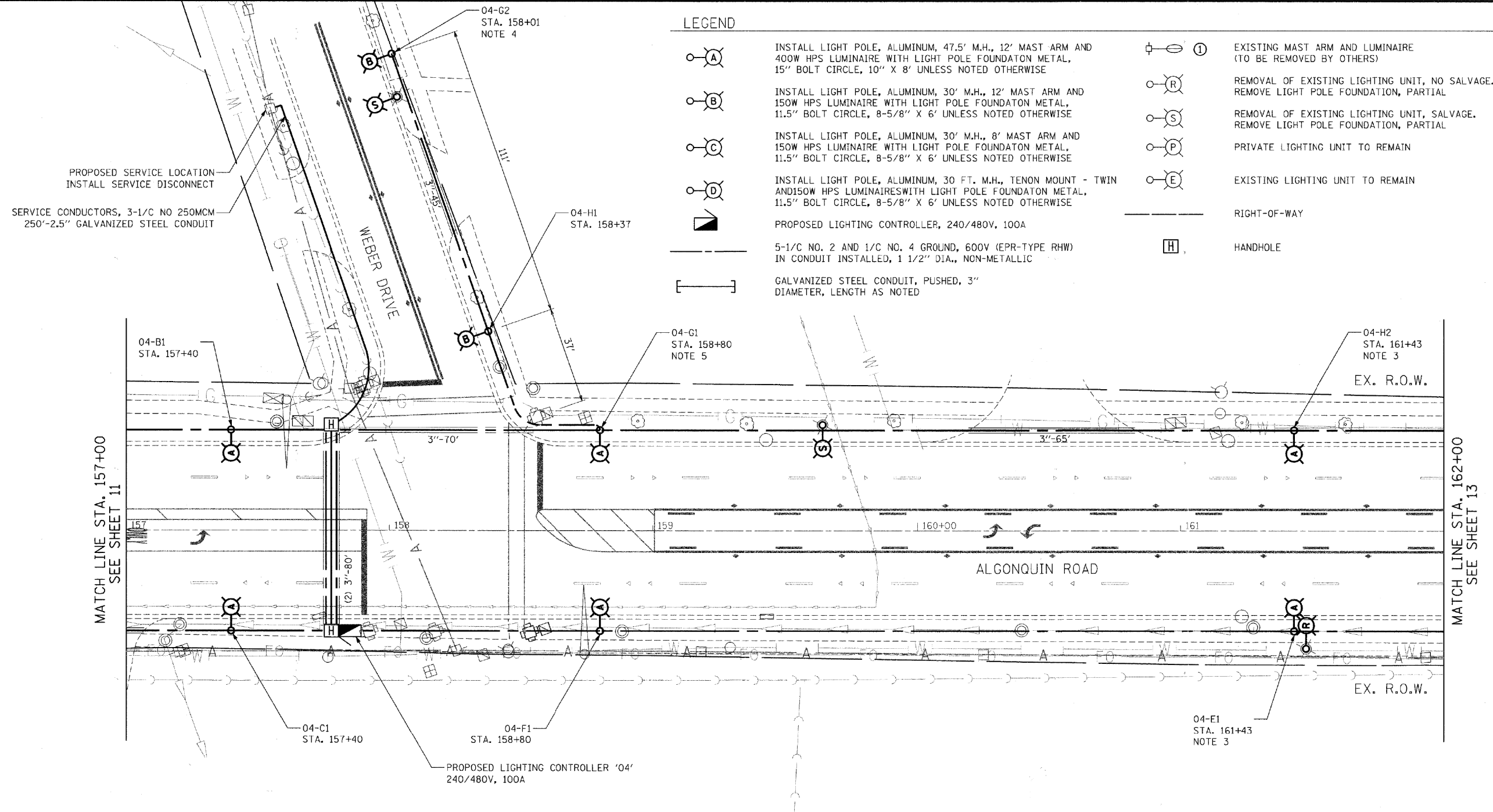
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-15	Corrected dimension on heavy duty handhole. Added concrete quantities table.
1-1-09	Switched units to English (metric).

HANDHOLES

STANDARD 814001-03

IDOT STANDARD 814001-03
(REVISED 1/1/2015)



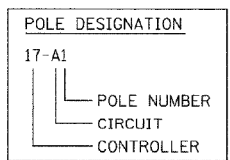
LEGEND

- ⊙ A INSTALL LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8' UNLESS NOTED OTHERWISE
- ⊙ B INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- ⊙ C INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- ⊙ D INSTALL LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT - TWIN AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- ➡ PROPOSED LIGHTING CONTROLLER, 240/480V, 100A
- 5-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
- [] GALVANIZED STEEL CONDUIT, PUSHED, 3" DIAMETER, LENGTH AS NOTED
- ⊕ ① EXISTING MAST ARM AND LUMINAIRE (TO BE REMOVED BY OTHERS)
- ⊙ R REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
- ⊙ S REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
- ⊙ P PRIVATE LIGHTING UNIT TO REMAIN
- ⊙ E EXISTING LIGHTING UNIT TO REMAIN
- RIGHT-OF-WAY
- [H] HANDHOLE



NOTES:

1. ALL POLES SHALL BE OFFSET 6' FROM THE EDGE OF PAVEMENT TO THE CENTER OF FOUNDATION, UNLESS OTHERWISE NOTED.
2. EXISTING LUMINAIRES SHALL REMAIN IN SERVICE UNTIL THE NEW LIGHTING SYSTEM IS OPERATIONAL.
3. INSTALL OFFSET POLE FOUNDATION.
4. INSTALL LUMINAIRE SHIELD.
5. INSTALL LIGHT POLE FOUNDATION, 24" DIAMETER WITH THREE RACEWAYS.



RECORD DRAWING FOR REFERENCE ONLY



Ciorba Group, Inc.
CONSULTING ENGINEERS
6507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - RJR	REVISED -
PLOT SCALE = 20.0000' / IN.	DRAWN - RJR	REVISED -
PLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE - 6/16/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET NO. 12 OF 64 SHEETS STA. 157+00 TO STA. 162+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	09-00100-00-LT	COOK	64	12
CONTRACT NO. 63426				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = N:\ROLLINGMEADOWS\980361.BR\98200's\BR200's\BR246\Mech\LD1_980361BR246_07.sht

USER NAME = omissick
PLOT SCALE = N.T.S.
PLOT DATE = 11/6/2024

DESIGNED - AJD RJJ	REVISED -
DRAWN - RJJ RMS	REVISED -
CHECKED - AJD	REVISED -
DATE - \$DATE\$	REVISED -















**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

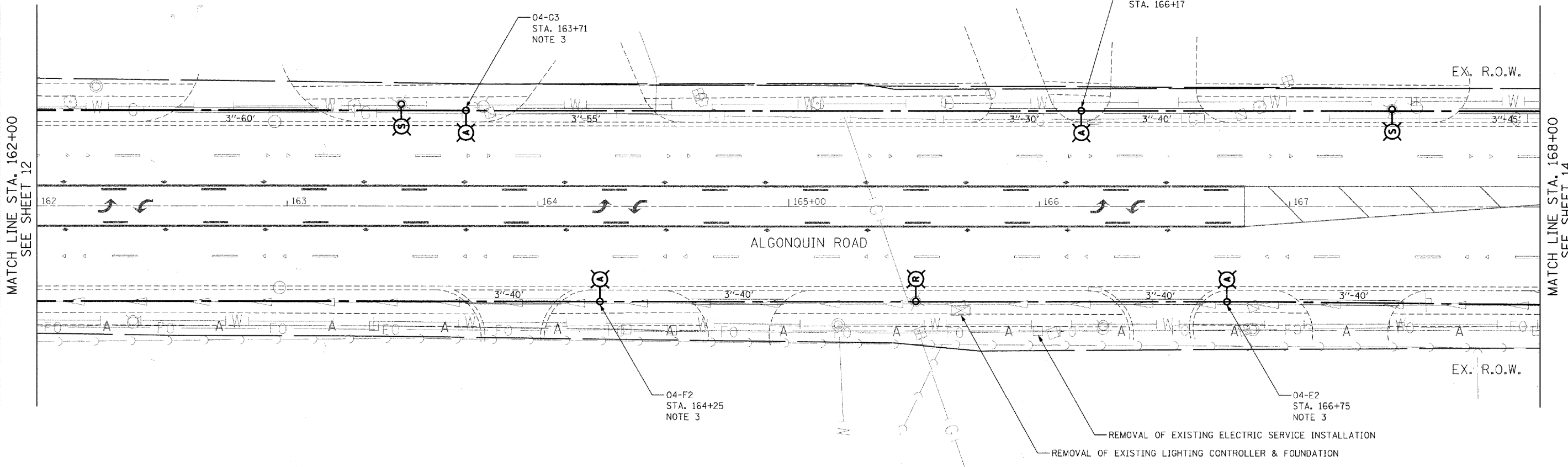
**ALGONQUIN ROAD (IL 62)
LIGHTING DETAILS (7 OF 13)**

SCALE: N.T.S. SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00CH	COOK	153	108
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

LEGEND

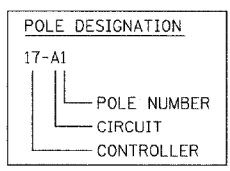
-  INSTALL LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT - TWIN AND 150W HPS LUMINAIRES WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  PROPOSED LIGHTING CONTROLLER, 240/480V, 100A
-  5-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
-  GALVANIZED STEEL CONDUIT, PUSHED, 3" DIAMETER, LENGTH AS NOTED
-  EXISTING MAST ARM AND LUMINAIRE (TO BE REMOVED BY OTHERS)
-  REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
-  REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
-  PRIVATE LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT TO REMAIN
-  RIGHT-OF-WAY
-  HANDHOLE



RECORD DRAWING FOR REFERENCE ONLY

NOTES:

1. ALL POLES SHALL BE OFFSET 6' FROM THE EDGE OF PAVEMENT TO THE CENTER OF FOUNDATION, UNLESS OTHERWISE NOTED.
2. EXISTING LUMINAIRES SHALL REMAIN IN SERVICE UNTIL THE NEW LIGHTING SYSTEM IS OPERATIONAL.
3. INSTALL OFFSET POLE FOUNDATION.
4. INSTALL LUMINAIRE SHIELD.
5. INSTALL LIGHT POLE FOUNDATION, 24" DIAMETER WITH THREE RACEWAYS.



Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - RJR	REVISED -
PLOT SCALE = 3/8"=1'-0"	DRAWN - RJR	REVISED -
PLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE = 6/16/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
PROPOSED LIGHTING PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	09-00100-00-LT	COOK	64	13
CONTRACT NO. 63426				

FILE NAME = N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Mech\LD1_980361BR246_08.sht

USER NAME = omissick
PLOT SCALE = N.T.S.
PLOT DATE = 11/6/2024

DESIGNED - AJD RJJ	REVISED -
DRAWN - RJJ RMS	REVISED -
CHECKED - AJD	REVISED -
DATE = \$DATE\$	REVISED -

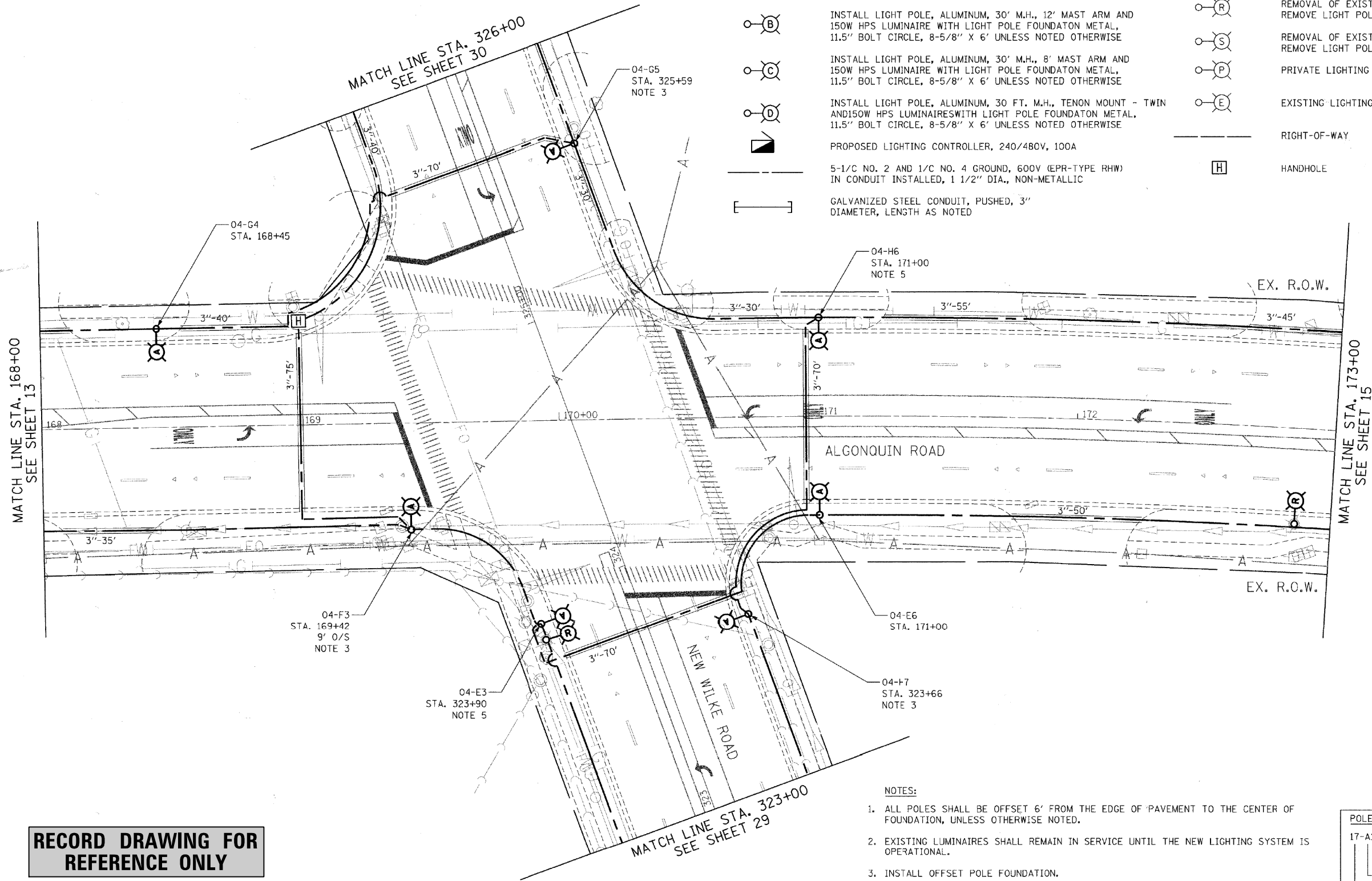
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
LIGHTING DETAILS (8 OF 13)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00CH	COOK	153	109
CONTRACT NO. 61K07				

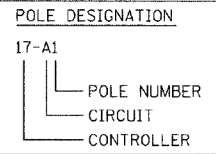
LEGEND

- ⊙ A INSTALL LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8' UNLESS NOTED OTHERWISE
- ⊙ B INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- ⊙ C INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- ⊙ D INSTALL LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT - TWIN AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- ▢ PROPOSED LIGHTING CONTROLLER, 240/480V, 100A
- 5-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
- [] GALVANIZED STEEL CONDUIT, PUSHED, 3" DIAMETER, LENGTH AS NOTED
- ⊙ ① EXISTING MAST ARM AND LUMINAIRE (TO BE REMOVED BY OTHERS)
- ⊙ R REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
- ⊙ S REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
- ⊙ P PRIVATE LIGHTING UNIT TO REMAIN
- ⊙ E EXISTING LIGHTING UNIT TO REMAIN
- RIGHT-OF-WAY
- ⊞ H HANDHOLE



RECORD DRAWING FOR REFERENCE ONLY

- NOTES:
- ALL POLES SHALL BE OFFSET 6' FROM THE EDGE OF PAVEMENT TO THE CENTER OF FOUNDATION, UNLESS OTHERWISE NOTED.
 - EXISTING LUMINAIRES SHALL REMAIN IN SERVICE UNTIL THE NEW LIGHTING SYSTEM IS OPERATIONAL.
 - INSTALL OFFSET POLE FOUNDATION.
 - INSTALL LUMINAIRE SHIELD.
 - INSTALL LIGHT POLE FOUNDATION, 24" DIAMETER WITH THREE RACEWAYS.



Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4000 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - RJR	REVISED -
PLOT SCALE = 28.0000' / IN.	DRAWN - RJR	REVISED -
PLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE = 6/16/2010	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
 PROPOSED LIGHTING PLAN**

F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63426				

SCALE: 1"=20' SHEET NO. 14 OF 64 SHEETS STA. 168+00 TO STA. 173+00

FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361\BR200\980361\BR246\Mech\LD1_980361BR246_09.sht

USER NAME = omissick
 PLOT SCALE = N.T.S.
 PLOT DATE = 11/6/2024

DESIGNED - AJD RJJ	REVISED -
DRAWN - RJJ RMS	REVISED -
CHECKED - AJD	REVISED -
DATE = \$DATE\$	REVISED -















**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

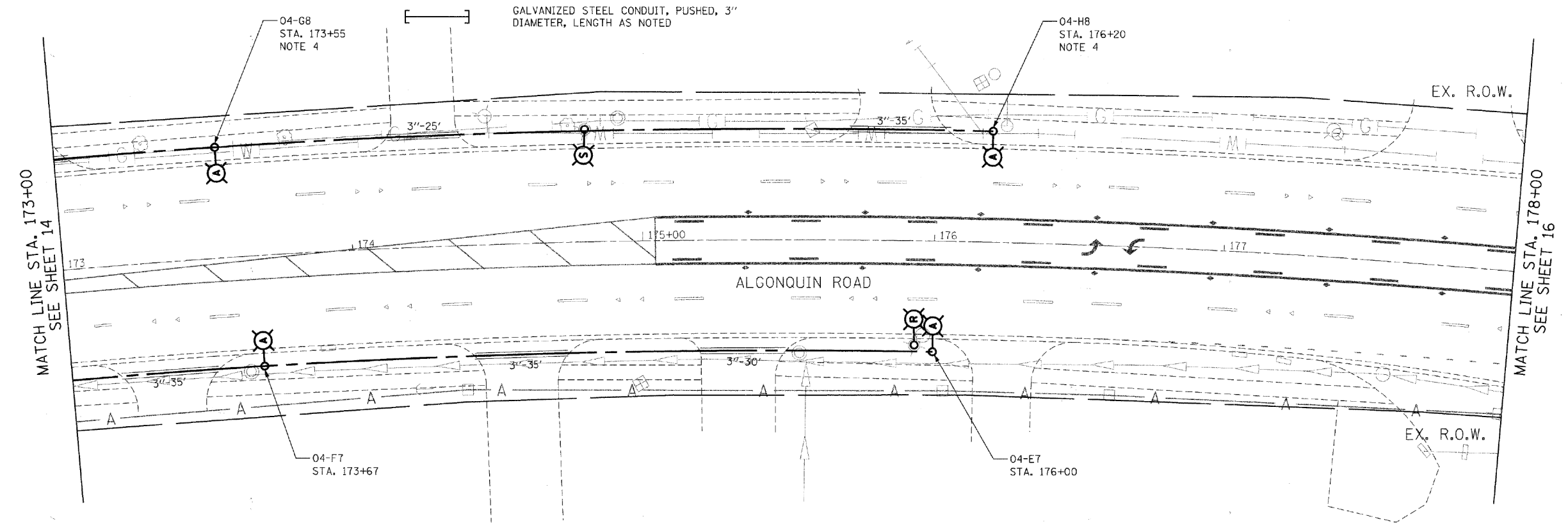
**ALGONQUIN ROAD (IL 62)
 LIGHTING DETAILS (9 OF 13)**

F.A. RTE. 0339	SECTION SN 20-00124-00CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 110
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61K07				

SCALE: N.T.S. SHEET 8 OF 12 SHEETS STA. TO STA.

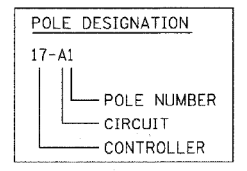
LEGEND


-  INSTALL LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT - TWIN AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  PROPOSED LIGHTING CONTROLLER, 240/480V, 100A
-  5-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
-  GALVANIZED STEEL CONDUIT, PUSHED, 3" DIAMETER, LENGTH AS NOTED
-  EXISTING MAST ARM AND LUMINAIRE (TO BE REMOVED BY OTHERS)
-  REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
-  REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
-  PRIVATE LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT TO REMAIN
-  RIGHT-OF-WAY
-  HANDHOLE



RECORD DRAWING FOR REFERENCE ONLY















- NOTES:**
1. ALL POLES SHALL BE OFFSET 6' FROM THE EDGE OF PAVEMENT TO THE CENTER OF FOUNDATION, UNLESS OTHERWISE NOTED.
 2. EXISTING LUMINAIRES SHALL REMAIN IN SERVICE UNTIL THE NEW LIGHTING SYSTEM IS OPERATIONAL.
 3. INSTALL OFFSET POLE FOUNDATION.
 4. INSTALL LUMINAIRE SHIELD.
 5. INSTALL LIGHT POLE FOUNDATION, 24" DIAMETER WITH THREE RACEWAYS.

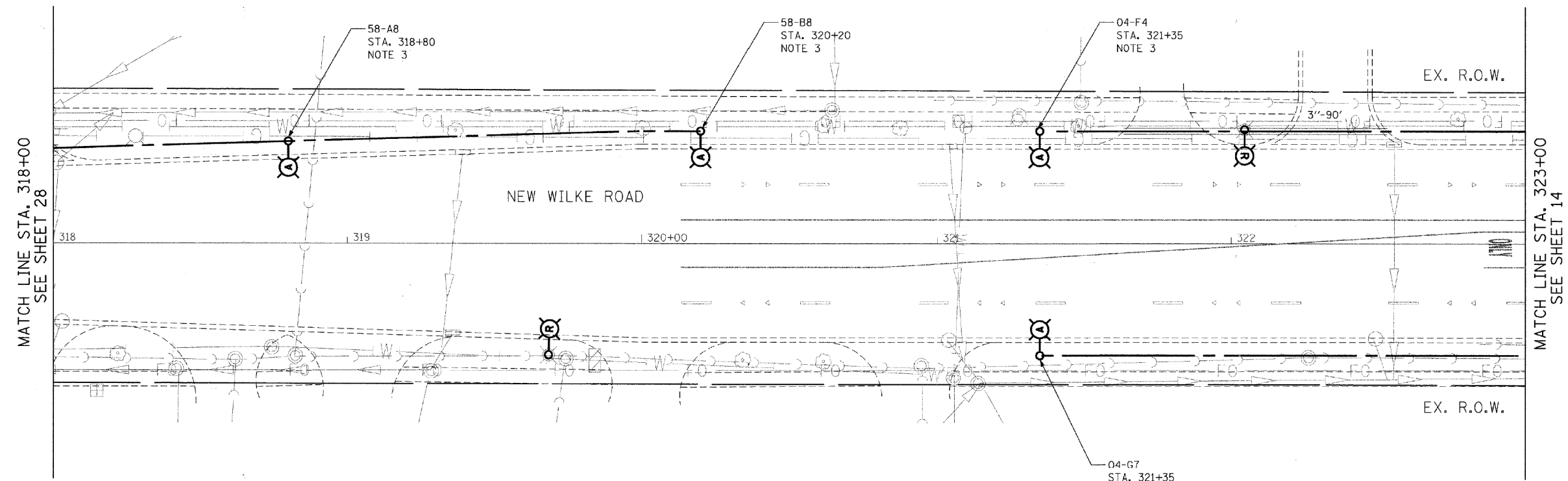
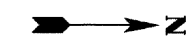


 <p>Ciorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4009 Fax 773.775.4014</p>	USER NAME = jvondra	DESIGNED - RJR	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>ALGONQUIN ROAD LIGHTING IMPROVEMENTS PROPOSED LIGHTING PLAN</p>	F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 15	<p>CONTRACT NO. 63426</p>
	PLOT SCALE = 20.0000' / IN.	CHECKED - JMV	REVISIED -			SCALE: 1"=20'	SHEET NO. 15 OF 64 SHEETS	STA. 173+00 TO STA. 178+00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
<p>FILE NAME = N:\ROLLINGMEADOWS\980361.BR\98200\98381BR246\Mech\LD1_980361BR246.10.sht</p>	USER NAME = amissick	DESIGNED - AJD RJJ	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>ALGONQUIN ROAD (IL 62) LIGHTING DETAILS (10 OF 13)</p>	F.A.P. RTE. 0339	SECTION SN 20-00124-00CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 111	<p>CONTRACT NO. 61K07</p>
	PLOT SCALE = N.T.S.	CHECKED - AJD	REVISIED -			SCALE: N.T.S.	SHEET 9 OF 12 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		
MODELNAME	PLOT DATE = 11/6/2024	DATE - \$DATE\$	REVISIED -								

FILE NAME = N:\proj\3379\design\prop\000000\3379-Prop\13.dgn

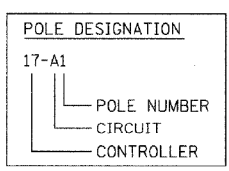
LEGEND

-  INSTALL LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  INSTALL LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT - TWIN AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
-  PROPOSED LIGHTING CONTROLLER, 240/480V, 100A
-  5-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
-  GALVANIZED STEEL CONDUIT, PUSHED, 3" DIAMETER, LENGTH AS NOTED
-  EXISTING MAST ARM AND LUMINAIRE (TO BE REMOVED BY OTHERS)
-  REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
-  REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
-  PRIVATE LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT TO REMAIN
-  RIGHT-OF-WAY
-  HANDHOLE



RECORD DRAWING FOR REFERENCE ONLY

- NOTES:
1. ALL POLES SHALL BE OFFSET 6' FROM THE EDGE OF PAVEMENT TO THE CENTER OF FOUNDATION, UNLESS OTHERWISE NOTED.
 2. EXISTING LUMINAIRES SHALL REMAIN IN SERVICE UNTIL THE NEW LIGHTING SYSTEM IS OPERATIONAL.
 3. INSTALL OFFSET POLE FOUNDATION.
 4. INSTALL LUMINAIRE SHIELD.
 5. INSTALL LIGHT POLE FOUNDATION, 24" DIAMETER WITH THREE RACEWAYS.



Ciorba Group, Inc.
CONSULTING ENGINEERS
5607 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4008 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - RJR	REVISED -
	DRAWN - RJR	REVISED -
PLOT SCALE = 20.0000' / IN.	CHECKED - JMV	REVISED -
PLOT DATE = 7/12/2010	DATE = 6/16/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET NO. 29 OF 64 SHEETS STA. 318+00 TO STA. 323+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	09-00100-00-LT	COOK	64	29
CONTRACT NO. 63426				

FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Mech\LD1_980361BR246.11.sht

USER NAME = omissick
PLOT SCALE = N.T.S.
PLOT DATE = 11/6/2024

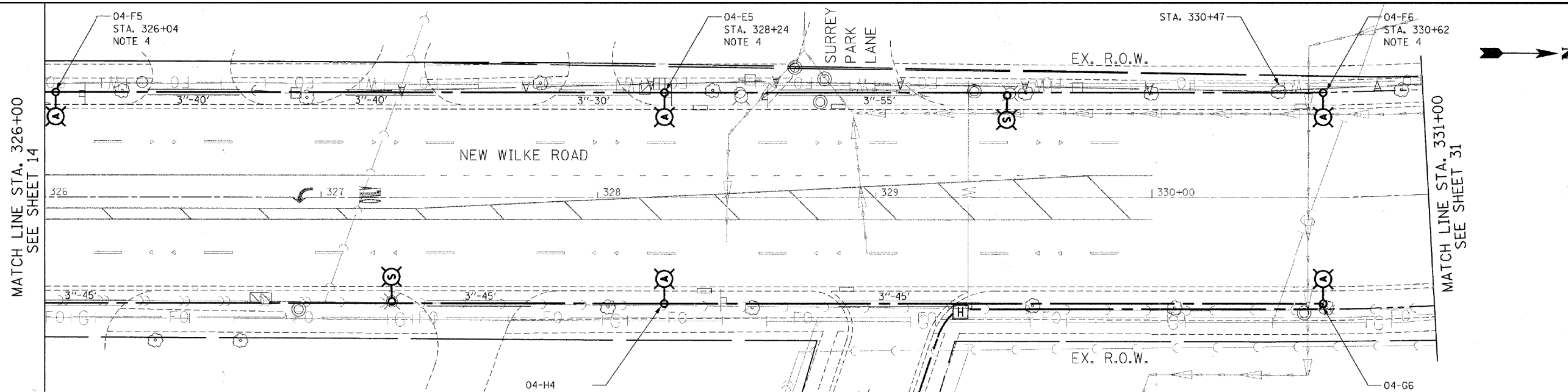
DESIGNED - AJD RJJ	REVISED -
DRAWN - RJJ RMS	REVISED -
CHECKED - AJD	REVISED -
DATE - \$DATE\$	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
LIGHTING DETAILS (11 OF 13)**

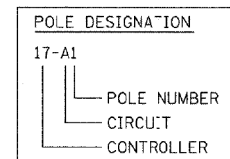
SCALE: N.T.S. SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00CH	COOK	153	112
CONTRACT NO. 61K07				



LEGEND

- INSTALL LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8' UNLESS NOTED OTHERWISE
- INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- INSTALL LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- INSTALL LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT - TWIN AND 150W HPS LUMINAIRES WITH LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8-5/8" X 6' UNLESS NOTED OTHERWISE
- PROPOSED LIGHTING CONTROLLER, 240/480V, 100A
- 5-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
- GALVANIZED STEEL CONDUIT, PUSHED, 3" DIAMETER, LENGTH AS NOTED
- EXISTING MAST ARM AND LUMINAIRE (TO BE REMOVED BY OTHERS)
- REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
- REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE. REMOVE LIGHT POLE FOUNDATION, PARTIAL
- PRIVATE LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING UNIT TO REMAIN
- RIGHT-OF-WAY
- HANDHOLE



- NOTES:**
1. ALL POLES SHALL BE OFFSET 6' FROM THE EDGE OF PAVEMENT TO THE CENTER OF FOUNDATION, UNLESS OTHERWISE NOTED.
 2. EXISTING LUMINAIRES SHALL REMAIN IN SERVICE UNTIL THE NEW LIGHTING SYSTEM IS OPERATIONAL.
 3. INSTALL OFFSET POLE FOUNDATION.
 4. INSTALL LUMINAIRE SHIELD.
 5. INSTALL LIGHT POLE FOUNDATION, 24" DIAMETER WITH THREE RACEWAYS.

RECORD DRAWING FOR REFERENCE ONLY

FILE NAME = c:\p\d\proj\3379\design\propose\plan\3379-Prop31.dgn



Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60658
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - RJR	REVISED -
PLOT SCALE = 20.0/200' = 1" = 20'	DRAWN - RJR	REVISED -
PLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE = 6/16/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET NO. 30 OF 64 SHEETS STA. 326+00 TO STA. 331+00

F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 30
CONTRACT NO. 63426				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361\BR200's\98361BR246\Mech\LD1_980361BR246.12.sht

USER NAME = amissick
PLOT SCALE = N.T.S.
PLOT DATE = 11/6/2024

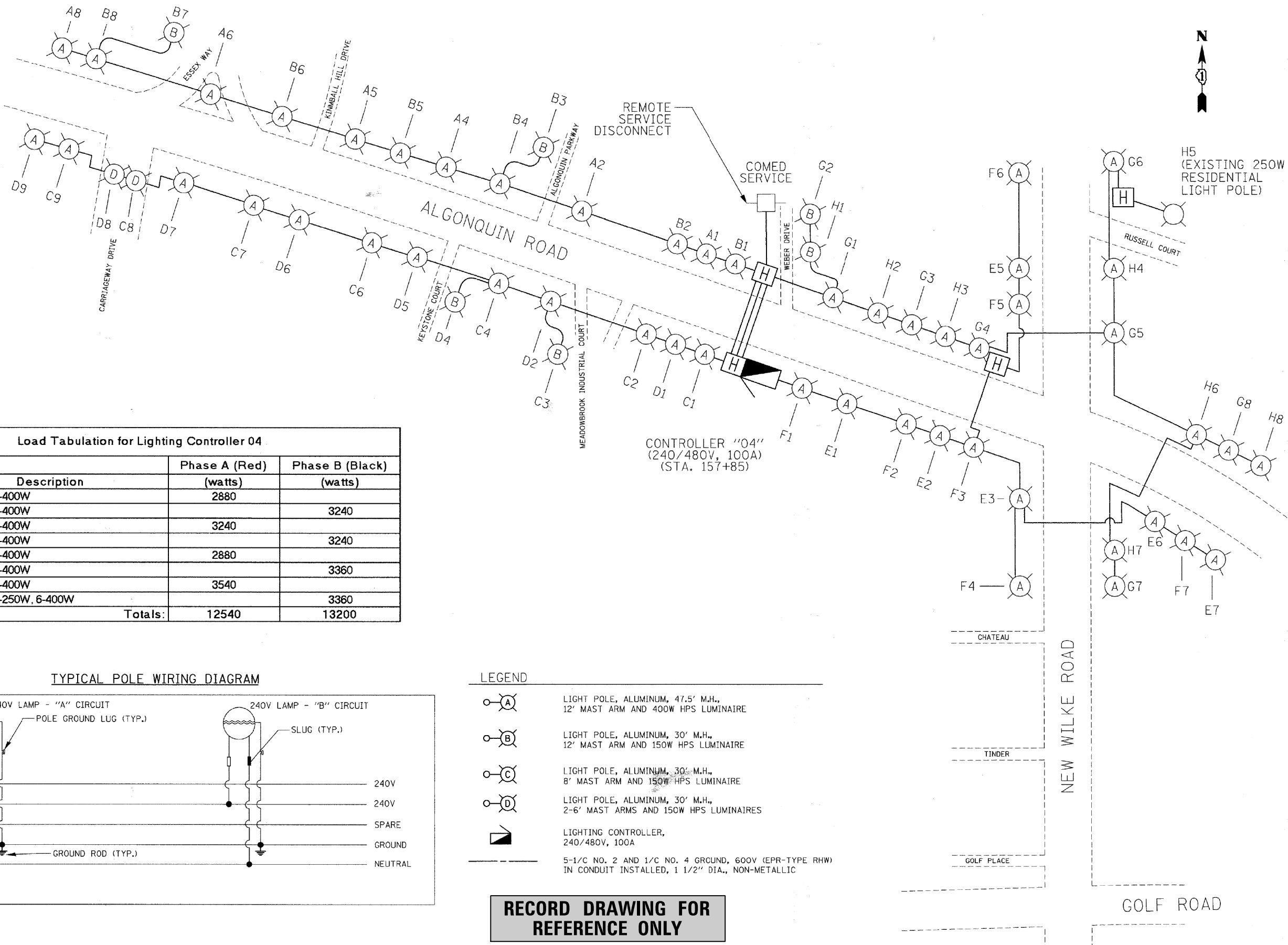
DESIGNED - AJD RJJ	REVISED -
DRAWN - RJJ RMS	REVISED -
CHECKED - AJD	REVISED -
DATE = \$DATE\$	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
LIGHTING DETAILS (12 OF 13)**

SCALE: N.T.S. SHEET 11 OF 12 SHEETS STA. TO STA.

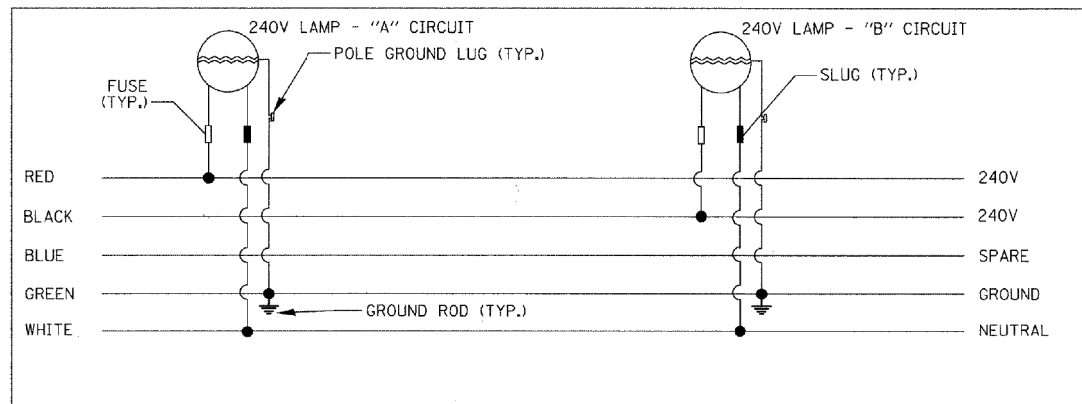
F.A. RTE. 0339	SECTION SN 20-00124-00CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 113
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



Load Tabulation for Lighting Controller 04

Ckt. #	Description	Phase A (Red) (watts)	Phase B (Black) (watts)
A	0-150W, 6-400W	2880	
B	2-150W, 6-400W		3240
C	2-150W, 6-400W	3240	
D	2-150W, 6-400W		3240
E	0-150W, 6-400W	2880	
F	0-150W, 7-400W		3360
G	1-150W, 7-400W	3540	
H	1-150W, 1-250W, 6-400W		3360
Totals:		12540	13200

TYPICAL POLE WIRING DIAGRAM



LEGEND

- LIGHT POLE, ALUMINUM, 47.5' M.H., 12' MAST ARM AND 400W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 12' MAST ARM AND 150W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 8' MAST ARM AND 150W HPS LUMINAIRE
- LIGHT POLE, ALUMINUM, 30' M.H., 2-6' MAST ARMS AND 150W HPS LUMINAIRES
- LIGHTING CONTROLLER, 240/480V, 100A
- 5-1/2" NO. 2 AND 1/2" NO. 4 GROUND, 600V (EPR-TYPE RHW) IN CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC

RECORD DRAWING FOR REFERENCE ONLY

FILE NAME = c:\p\3379\design\project\3379-00\lneB_04.dgn



Ciorka Group, Inc.
CONSULTING ENGINEERS
8507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvandra	DESIGNED - RJR	REVISED -
PLOT SCALE = 200.0000' / IN.	DRAWN - RJR	REVISED -
PLOT DATE = 7/12/2010	CHECKED - JMV	REVISED -
	DATE = 6/16/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
LIGHTING CONTROLLER "04" ONE LINE DIAGRAM**

SCALE: N.T.S. SHEET NO. 47 OF 64 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 09-00100-00-LT	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 47
CONTRACT NO. 63426				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361\BR200's\BR200's\BR246\Mech\LD1_980361BR246.13.sht

USER NAME = amissick
PLOT SCALE = N.T.S.
PLOT DATE = 11/6/2024

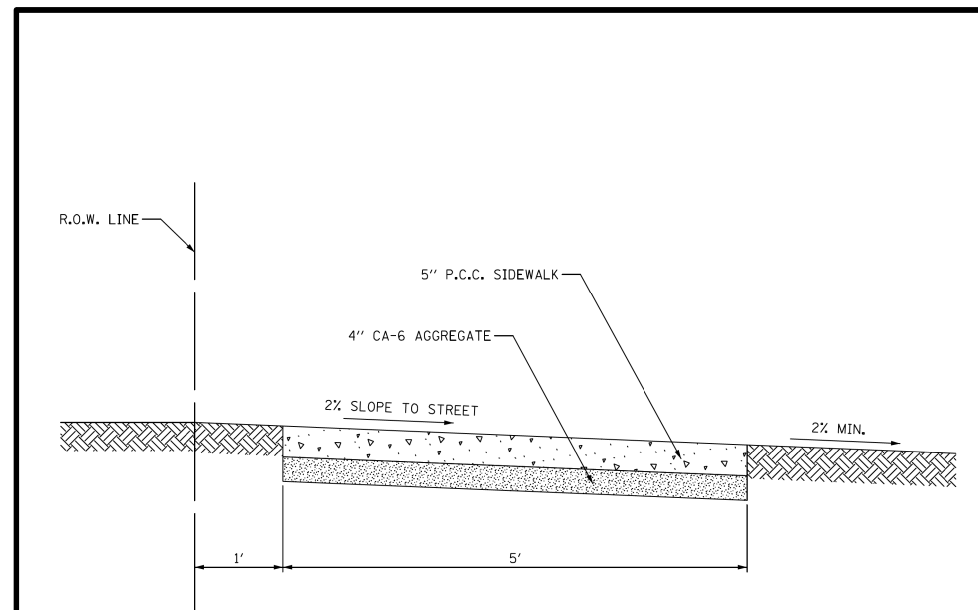
DESIGNED - AJD RJJ	REVISED -
DRAWN - RJJ RMS	REVISED -
CHECKED - AJD	REVISED -
DATE - \$DATE\$	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
LIGHTING DETAILS (13 OF 13)**

SCALE: N.T.S. SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.P. RTE. 0339	SECTION SN 20-00124-00CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 114
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				



NOTES:
 SIDEWALK THROUGH DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ROLLING MEADOWS DETAIL R-1 OR R-2 AS APPROPRIATE. ALL SIDEWALKS SHALL HAVE CONTRACTION JOINTS AT 5' INTERVALS AND EXPANSION JOINTS AT 25' INTERVALS.



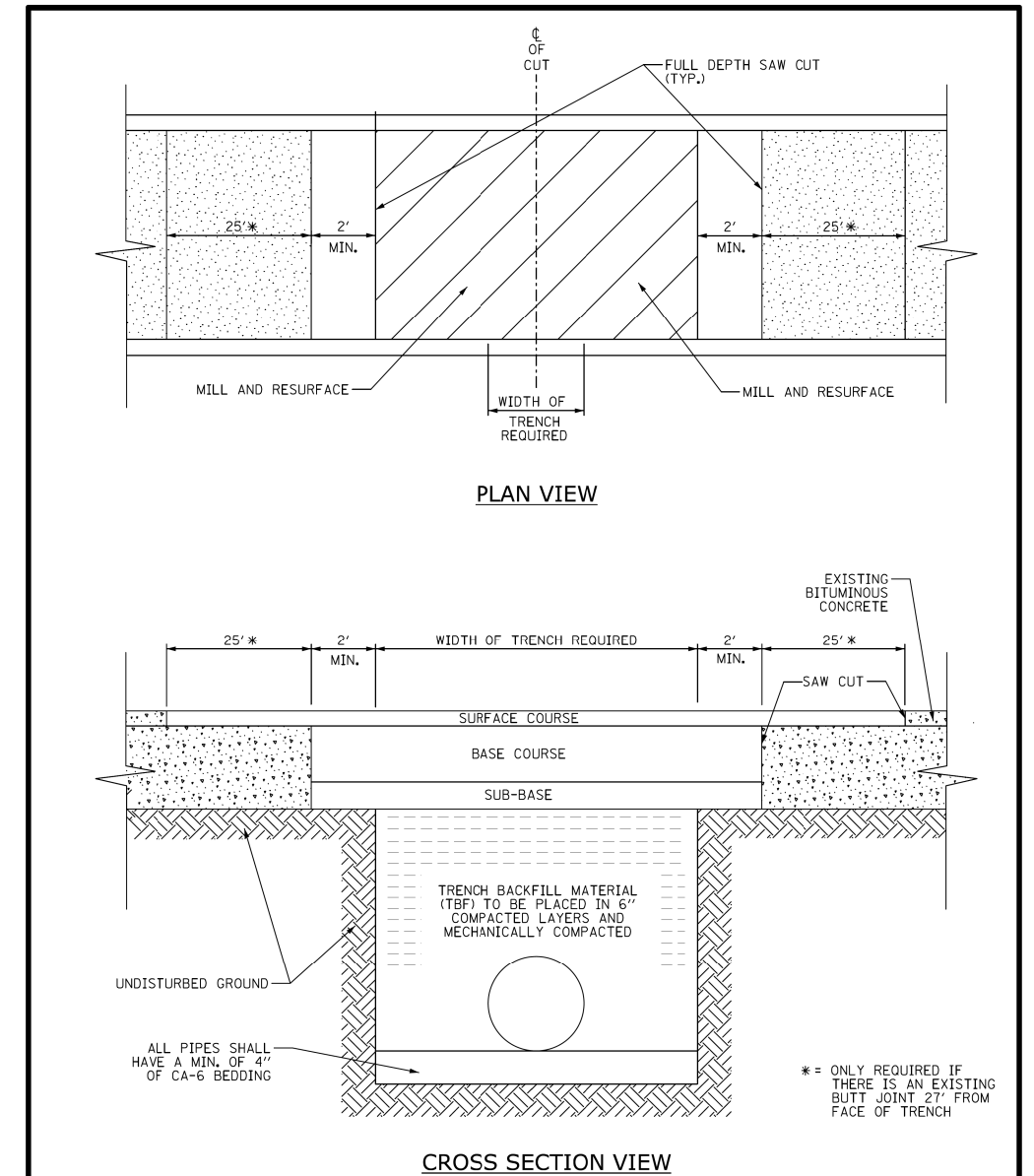
City of Rolling Meadows
 3600 Kirchoff Road
 Rolling Meadows, Illinois 60008
 (847) 394-9500

ENGINEERING DETAILS

SIDEWALK DETAIL

DATE: 8/31/2018	DETAIL NO.
REV 1:	R-3
REV 2:	
REV 3:	

FILE NAME: N:\ROLLINGMEADOWS\980361BR\BR200\9836BR200\CIVIL\DETAILS\ROADWAY\R-03_9836BRa.dwg



City of Rolling Meadows
 3600 Kirchoff Road
 Rolling Meadows, Illinois 60008
 (847) 394-9500

ENGINEERING DETAILS

PAVEMENT REMOVAL AND REPLACEMENT

DATE: 8/31/2018	DETAIL NO.
REV 1:	R-7
REV 2:	
REV 3:	

FILE NAME: N:\ROLLINGMEADOWS\980361BR\BR200\9836BR200\CIVIL\DETAILS\ROADWAY\R-07_9836BRa.dwg

FILE NAME =	USER NAME = vreach	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361BR\BR200\9836BR246\Civil\DET1.CITY-CITY-STD0.03.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48'	CHECKED -	REVISED -
MODELNAME	PLOT DATE = 11/15/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
 CONSTRUCTION DETAILS**

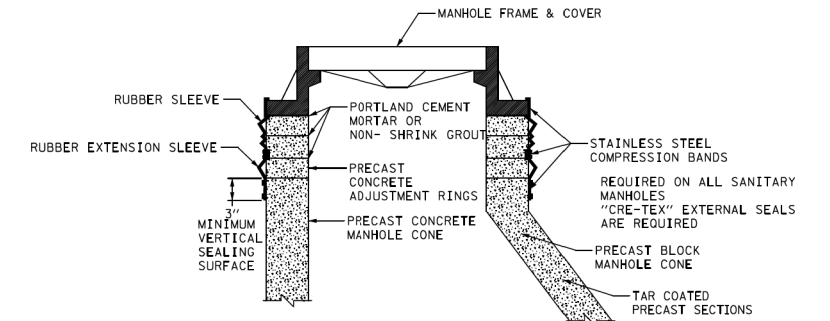
SCALE: N/A SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	115
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

Miscellaneous Sanitary Sewer Notes

1. Sanitary sewers, main, and services and their fittings shall be constructed of one (1) or more of the following materials:
 - a. PVC pipe, ASTM D-3034, SDR26 with elastomeric gasket joints conforming to ASTM D-3212.
 - b. Ductile iron pipe Class 52 with joints conforming to ANSI A21.11. Only when approved for structural purposes by the City Engineer or Director of Public Works or designated representative.
2. Sanitary sewer manholes shall be five (5)-feet zero (0)-inches diameter precast structures. Frames shall be East Jordan 1020, 1022 on 1050 HD with self-sealing application lids with concealed pick holes. Lids shall be imprinted with the word "sanitary."
3. Sanitary sewer manholes and inspection manholes shall have eccentric cones. All manhole sections and adjusting rings shall be securely sealed to each other using pre-formed bituminous mastic such as "RAM-NEK." This mastic shall be applied in such a manner that ground water inflow cannot enter the manhole through gaps between barrel sections or cone sections and adjusting rings. Double "TAR STICK" may be required in areas with high water tables. External "CRETEX" brand chimney seals shall be installed in all manholes. "MAC RAP" is to be used at all manhole section joints. All sanitary structures to be tar-coated including cones.
4. All pipe connections in/out of a sanitary manhole shall be cored and booted with gasket type water stop gaskets, with stainless steel bands per ASTM C923.
5. Sanitary sewer service risers shall be used when sewer main exceeds 12-feet in depth. The bedding under the riser tee shall thoroughly compacted. The engineer reserves the right to require concrete encasement of the riser or a concrete thrust block under the tee.
6. All sanitary sewers including service stubs shall be subject to an air test Section 31 of the Standard Specifications. Applicable portions of main line sewer including main with riser sections shall be subjected to a deflection test conducted by the contractor. All testing shall be observed by a City of Rolling Meadows Public Works Department Representative.
7. The main sanitary sewer shall be televised prior to acceptance. A videotape, CD, or DVD along with a paper report shall be submitted to the City of Rolling Meadows Public Works Department. All sewer televising must be performed by NASSCO certified operators using current NASSCO standards and coding system that can be found in current NASSCO documents. The contractor, without delay, shall preform all necessary corrective work.

8. Control and sampling manholes must be installed in the ROW or as approved by the City of Rolling Meadows on a straight portion of the line without any bends inside the manhole or within five (5)-feet of the exterior of the manhole. In the event that a grease trap is needed, the grease trap shall precede the sample manhole. The grease waste service must connect to a main service before the sample manhole.
9. All sump pumps must discharge outside of the home or to the storm sewer system. All interior floor drains waste ejector pits must connect to the sanitary sewer system.
10. All sanitary sewer stubs shall be marked with 4x4 post painted green.
11. Structures, manholes, inlets, catch basin sumps, and valve vaults shall be cleaned prior to any inspection at the end of the project and prior to City acceptance. Sanitary and storm sewer main shall be jet cleaned if evidence of debris build-up is present at the time of City acceptance.
12. Vehicle and truck dock drains must meet the plumbing code requirements, including waste interceptors, and must be approved by the City Public Works Director or designated representative.
13. When existing stubs are not available, all service connections to mainline sewer shall consist of the following:
 - a. If existing sewer is PVC or clay pipe, the mainline sewer shall be cut and a wye section with chamfer shall be installed with non-shear mission coupling placed over connection points; for clay, a minimum of two (2)-feet of PVC is required on each side of wye;
 - b. Existing stubs or services planned for use must be televised and verified by the City of Rolling Meadows to be in acceptable condition prior to use or reuse; and
 - c. **Break in connections are not permitted.**
 - d. Sanitary Services must be a minimum of 6" and have an outside clean out access.



NOTE:

MANHOLE FRAME - CHIMNEY SEAL SHALL BE INSTALLED ON SANITARY MANHOLES. THE SEAL AND SEAL EXTENSIONS SHALL BE AS MANUFACTURED BY CRETEX SPECIALTY PRODUCTS. THE SLEEVES AND EXTENSIONS SHALL HAVE A MINIMUM THICKNESS OF 3/8 INCHES AND SHALL BE EXTRUDED OR MOLDED FROM A HIGH-GRADE RUBBER COMPOUND CONFORMING TO THE APPLICABLE REQUIREMENTS OF ASTM C923, WITH A MINIMUM 1500 PSI TENSILE STRENGTH, MAXIMUM 18% COMPRESSION SET AND A HARDNESS (DUROMETER) OF 48±5. THE BANDS USED FOR COMpressING THE SLEEVE AND EXTENSION AGAINST THE MANHOLE SHALL BE FABRICATED FROM 16 GAUGE STAINLESS STEEL CONFORMING TO ASTM C-923 TYPE 304. ANY SCREW BOLTS OR NUTS USED ON THIS BAND SHALL BE STAINLESS STEEL CONFORMING TO ASTM F593 AND 594, TYPE 304. DETAILED INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL COSTS FOR THE FURNISHING AND INSTALLATION OF THE INTERNAL RUBBER SEAL AND EXTENSION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SANITARY MANHOLES. NO INTERNAL CHIMNEY SEALS PERMITTED.

PRECAST MANHOLE WITH EXTERNAL SEAL

- 1) THE RUBBER SLEEVE IS AVAILABLE IN A 9" HEIGHT (STANDARD).
- 2) SEE THE CHIMNEY HEIGHT TABLE BELOW FOR SEAL AND EXTENSION COMBINATIONS NEEDED TO SPAN FROM THE FRAME TO THE TOP OF THE CONE ON MANHOLES WITH VARIOUS CHIMNEY HEIGHTS. FRAME OFFSETS OR DIAMETER DIFFERENCES WILL REDUCE THESE SPAN HEIGHTS.
- 3) THE TOP OF THE CONE SHALL HAVE A MINIMUM OF 3" HIGH VERTICAL SEALING SURFACE THAT IS SMOOTH AND FREE OF ANY FORM OFFSETS OR EXCESSIVE HONEYCOMB.

CHIMNEY HEIGHT TABLE

COMBINATIONS OF SEALS AND EXTENSIONS	TO SPAN HEIGHTS OF:
STANDARD 9" ONLY	OVER 3" - 6.5"
STANDARD SEAL + EXTENSION	OVER 6.5" - 13.5"
STANDARD SEAL + MULTI EXTENSIONS	OVER 13.5"
ADD 7" OF COVERAGE FOR EACH ADDITIONAL EXTENSION.	



City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

ENGINEERING DETAILS

MISCELLANEOUS SANITARY SEWER NOTES

DATE: 1/22/2018	DETAIL NO.
REV 1:	
REV 2:	
REV 3:	

SAN-0

PAGE 1 OF 2

FILE NAME N:\ROLLINGMEADOWS\98036LBR\BR200\9836BR200\CIVIL\DETAILS\SANITARY\SAN-0_9836BRa_1.dgn



City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

ENGINEERING DETAILS

MISCELLANEOUS SANITARY SEWER NOTES

DATE: 1/22/2018	DETAIL NO.
REV 1:	
REV 2:	
REV 3:	

SAN-0

PAGE 2 OF 2

FILE NAME N:\ROLLINGMEADOWS\98036LBR\BR200\9836BR200\CIVIL\DETAILS\SANITARY\SAN-0_9836BRa_2.dgn



City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

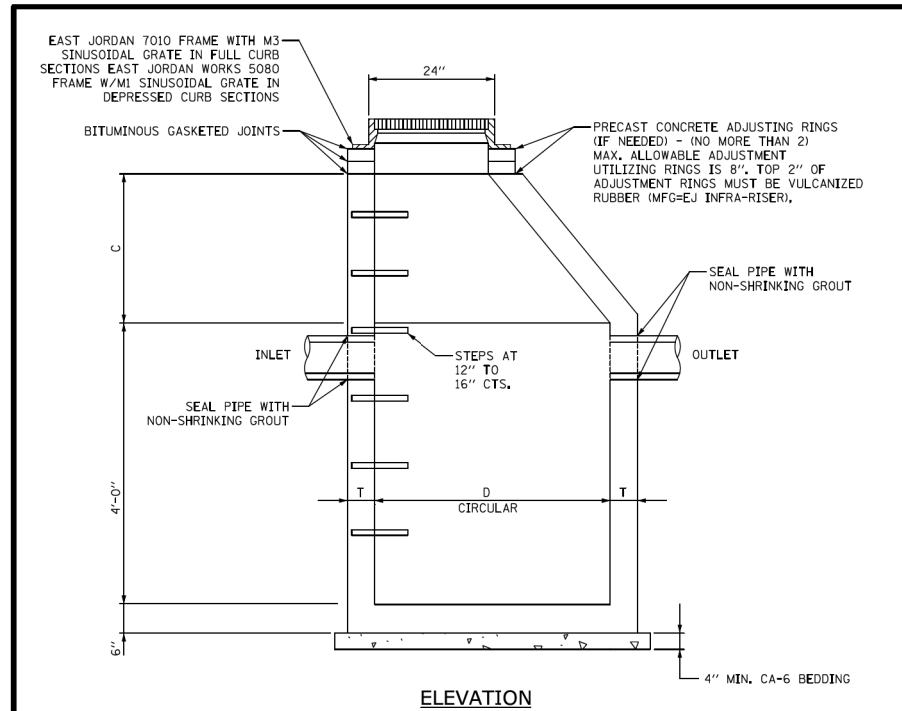
ENGINEERING DETAILS

SANITARY SEWER EXTERNAL CHIMNEY SEAL DETAIL

DATE: 1/22/2018	DETAIL NO.
REV 1:	
REV 2:	
REV 3:	

SAN-3

FILE NAME N:\ROLLINGMEADOWS\98036LBR\BR200\9836BR200\CIVIL\DETAILS\SANITARY\SAN-3_9836BRa.dgn



ELEVATION

MATERIALS FOR WALLS	D	C*	T (MIN.)
PRECAST REINFORCED CONCRETE SECTION	4'-0"	2'-6"	4"
	5'-0"	3'-3"	5"
	6'-0"	5'-0"	6"

*DIMENSION "C" MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6".

NOTES:

- USE ECCENTRIC CONES UNLESS OTHERWISE INDICATED ON THE DRAWING. FLAT TOP SLABS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
- USE 4'-0" DIAMETER FOR SEWER SIZES THRU 21", 5'-0" DIAMETER FOR SEWER SIZES 24" THRU 30", 6'-0" DIAMETER FOR SEWER SIZES GREATER THAN 30", UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE SPECIFIED, CONSTRUCTION AND MATERIALS SHALL CONFORM IDOT STANDARD SPECIAL ARTICLE 602.
- REMOVE TOP TWO MANHOLE STEPS PRIOR TO FINAL INSPECTION.

City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

CATCH BASIN TYPE A

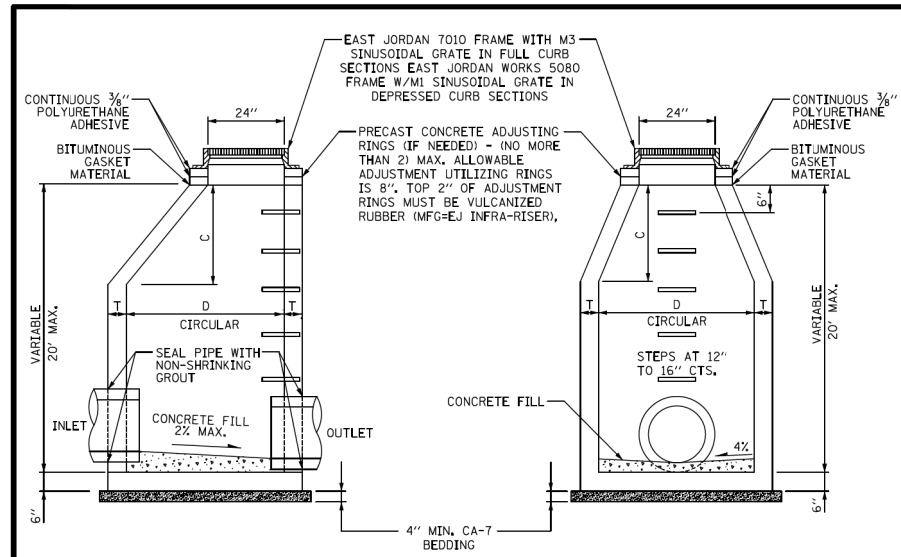
DATE: 4/29/2018
REV 1: _____
REV 2: _____
REV 3: _____

DETAIL NO. _____

ST-2

ENGINEERING DETAILS

FILE NAME: N:\ROLLINGMEADOWS\980361BR\BR200\98361BR200\CIVIL\DETAILS\STORM\ST-2_98361BR.dgn



ELEVATION - ECCENTRIC

ELEVATION - CONCENTRIC

MATERIALS FOR WALLS	D	C*	T (MIN.)
PRECAST REINFORCED CONCRETE SECTION	4'-0"	2'-6"	4"
	5'-0"	3'-9"	5"
	6'-0"	5'-0"	6"

*DIMENSION "C" MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6".

NOTES:

- USE ECCENTRIC CONES UNLESS OTHERWISE INDICATED ON THE DRAWING. FLAT TOP SLABS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
- USE 4'-0" DIAMETER FOR SEWER SIZES THRU 21", 5'-0" DIAMETER FOR SEWER SIZES 24" THRU 30", 6'-0" DIAMETER FOR SEWER SIZES GREATER THAN 30", UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE SPECIFIED, CONSTRUCTION AND MATERIALS SHALL CONFORM IDOT STANDARD SPECIAL ARTICLE 602.
- REMOVE TOP TWO MANHOLE STEPS PRIOR TO FINAL INSPECTION.

City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

STORM MANHOLE TYPE A

DATE: 4/29/2018
REV 1: _____
REV 2: _____
REV 3: _____

DETAIL NO. _____

ST-4

ENGINEERING DETAILS

FILE NAME: N:\ROLLINGMEADOWS\980361BR\BR200\98361BR200\CIVIL\DETAILS\STORM\ST-4_98361BR.dgn

SIGN PANEL

- ALL TRAFFIC CONTROL SIGNS SHALL BE PRIZMATIC 3M REFLECTIVE MATERIAL W/1150 CLEAR OVERLAY
- ALL SIGNS SHALL BE 0.08 GAL ALUMINUM 1.5 RC
- INSTALLATION OF SIGNS SHALL BE IN ACCORDANCE WITH LATEST VERSION OF ILLINOIS MUTCD
- ALL STOP SIGN SHALL BE 30" x 30"

METAL POST

- POSTS SHALL BE FRANKLIN INDUSTRIES EZE-ERECT, D-CHANNEL GALVANIZED WITH WALKWAY BASE
- POSTS SHALL BE 3 LBS/FT FOR ALL TRAFFIC CONTROL SIGNS (STOP, YIELD, SPEED LIMIT, LANE USE, STREET NAMES, ETC.)
- POST SHALL BE 2 LBS/FT INFORMATIONAL SIGNS

STREET SIGN AND POST STANDARDS
(APPLIES TO LOCALLY MAINTAINED SIGNS ONLY)

DATE: 8/31/2018
REV 1: _____
REV 2: _____
REV 3: _____

DETAIL NO. _____

R-11

ENGINEERING DETAILS

FILE NAME: N:\ROLLINGMEADOWS\980361BR\BR200\98361BR200\CIVIL\DETAILS\ROADWAY\R-11_98361BR.dgn

1 SELECT TRENCH BACKFILL
 GRANULAR TRENCH BACKFILL TO BE USED UNDER EXISTING OR PROPOSED PAVEMENT, CURB AND GUTTER, SIDEWALK OR WITHIN 2' OF ANY EXISTING OR PROPOSED CURB AND GUTTER OR SIDEWALK. SHALL BE MECHANICALLY COMPACTED CA-6, GRADE #9

MECHANICALLY COMPACTED BACKFILL OF EXCAVATED MATERIALS IN OTHER LOCATIONS IF APPROVED BY THE ENGINEER, REFER TO TRENCH BACKFILL SPECIAL PROVISIONS FOR MATERIALS AND COMPACT REQUIREMENTS.

2 PIPE BEDDING & INITIAL TRENCH BACKFILL
 #6 WASHED STONE FROM 6" BELOW TO SPRING LINE OF PIPE.

3 UNSUITABLE MATERIALS
 IF ENCOUNTERED - SHALL BE REMOVED WHERE DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE GRANULAR BACKFILL AND COMPACTED.

4 TRENCH WIDTH
 MINIMUM = PIPE O.D. + 18" WHEN DEPTH IS < 5'
 MAXIMUM = PIPE O.D. + 36" WHEN DEPTH IS ≥ 5'
 DEPTH = PROPOSED SUBGRADE TO PROPOSED INVERT

NOTES:
 1. ALL CA-6 MATERIAL TO BE IDOT APPROVED.

City of Rolling Meadows
 3600 Kirchoff Road
 Rolling Meadows, Illinois 60008
 (847) 394-9500

TYPICAL STORM SEWER TRENCH CROSS SECTION

DATE: 4/29/2018
 REV 1a
 REV 2a
 REV 3a

DETAIL NO. **ST-9**

ENGINEERING DETAILS

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\98200\98368BR200\CIV\DETAILS\STORM\ST-9_98368BR.dgn

84" MIN. DIA. PRECAST CONCRETE CATCH BASIN WITH 6" THICK REINFORCED CONCRETE BAFFLE WALL

FRAME AND CLOSED LID AS INDICATED ON DRAWINGS APPROVED BY CITY

EMERGENCY OVERFLOW

RESTRICTOR SEE PLANS FOR DIA.

INLET PIPE

HWL

12" MIN.

39"

6"

18" MIN. SLUMP

OUTLET PIPE

STEPS AT 12" TO 16" CTS.

STEEL REINFORCED (14" WIDE) POLYPROPYLENE STEPS WITH 6" MIN. PROJECTION

SEE NOTES

6" REINFORCED PRECAST CONCRETE SLAB

4" MIN. SAND CUSHION

NOTES:

- MINIMUM RESTRICTOR SIZE IS 4".
- UNLESS OTHERWISE SPECIFIED, CONSTRUCTION AND MATERIALS SHALL CONFORM TO IDOT STANDARD SPECIAL ARTICLE 602.
- PRECAST STRUCTURE SECTIONS TO BE TONGUE AND GROOVED.
- NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED WITH WATERTIGHT FLEXIBLE RUBBER CONNECTOR (SEE DETAIL SAN-9).
- MORTAR ALL PIPE PENETRATIONS INSIDE AND OUTSIDE OF STRUCTURE.
- IN "SUBMERGED" CONDITIONS, ALL PIPE PENETRATIONS TO BE CORED, RUBBER BOOTED, AND INTERIOR MORTARED.

City of Rolling Meadows
 3600 Kirchoff Road
 Rolling Meadows, Illinois 60008
 (847) 394-9500

STORM WATER RESTRICTOR STRUCTURE

DATE: 4/29/2018
 REV 1a
 REV 2a
 REV 3a

DETAIL NO. **ST-5**

ENGINEERING DETAILS

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\98200\98368BR200\CIV\DETAILS\STORM\ST-5_98368BR.dgn

MANHOLE ADJUSTING RING

SECTION THROUGH MANHOLE

GALVANIZED STEEL FRAME

LIFT HANDLES

STAINLESS FILTER BAG

OVERFLOW FEATURE

GEOTEXTILE FILTER BAG WITH REINFORCED POLYESTER OUTER MESH

FILTER INSERT

RECTANGULAR BASKETS REQUIRED FOR CURB INLETS

City of Rolling Meadows
 3600 Kirchoff Road
 Rolling Meadows, Illinois 60008
 (847) 394-9500

TEMPORARY SILTATION BASKET INSTALLATION BETWEEN INLET FRAME AND GRATE

DATE: 4/29/2018
 REV 1a
 REV 2a
 REV 3a

DETAIL NO. **ST-6**

ENGINEERING DETAILS

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\98200\98368BR200\CIV\DETAILS\STORM\ST-6_98368BR.dgn

Miscellaneous Water Standards/Notes

1. Water transmission shall be a minimum of 8" in diameter, shall include installation of shutoff valves and fire hydrants, and shall be free from dead-end mains, unless authorized by the City.
2. Any water service line replacement/up-sizing must include replacing the service within the City right-of-way up to the water main trunk line. Also, complete restoration of the parkway, including topsoil, seed, and any sidewalk repair, must be completed to the satisfaction of the City.
3. For any water service line repairs, the homeowner is responsible from the ROW to the house. The City will make repairs from ROW to the trunk line.
4. Water mains and fittings shall be ductile cast iron, cement lined, with push on joints class 52 conforming to latest ANSI/ AWWA C151/ A21.51-86, C111, and C104.
5. Fire hydrant leads shall be 6" diameter.
6. All ductile iron water main shall include installation of polyethylene encasement conforming to ANSI/ AWWA C105/ A21.5 and ASTM A674 standards.
7. A building permit is required for all water main/service installations.



City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

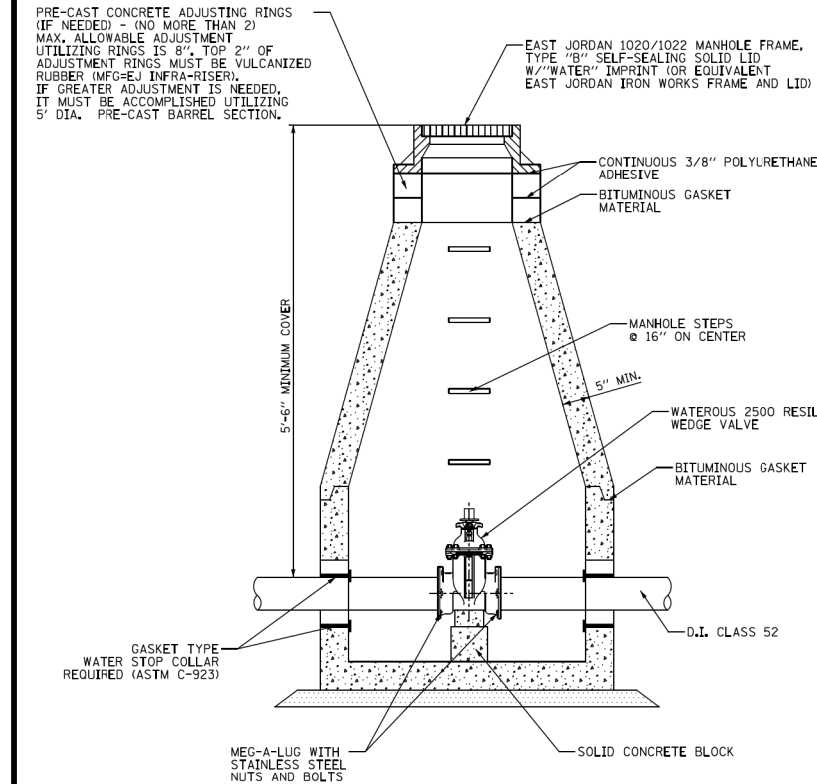
ENGINEERING DETAILS

MISCELLANEOUS WATER NOTES

DATE: 1/18/2018	DETAIL NO.
REV 1a	
REV 2a	
REV 3a	

W-0

FILE NAME: N:\ROLLINGMEADOWS\980361BR\BR200\98361BR200\CIV\DETAILS\WATER\W-0_98361BR.dgn



1. ALL MECHANICAL JOINT FITTINGS TO BE ASSEMBLED WITH STAINLESS STEEL TEFLON COATED NUTS AND BOLTS.
2. MECHANICAL JOINT RESTRAINT SHALL BE SERIES 2000PV FOR USE WITH C-900 PVC PIPE OR D.I. PIPE CLASS 52.
3. VALVES 4" OR LARGER MUST BE ENCLOSED IN A VALVE VAULT.



City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

ENGINEERING DETAILS

TYPICAL VALVE VAULT (5' I.D.)

DATE: 1/18/2018	DETAIL NO.
REV 1a	
REV 2a	
REV 3a	

W-2

FILE NAME: N:\ROLLINGMEADOWS\980361BR\BR200\98361BR200\CIV\DETAILS\WATER\W-2_98361BR.dgn

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
\\tbg.net\CBBEL\CBBELOFT\ROLLINGMEADOWS\980361BR\BR200\98361BR200\CIV\DETAILS\WATER\W-0_98361BR.dgn		DRAWN - STDS-095.dgn	REVISED -
#MODELNAME#	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 11/6/2024	DATE -	REVISED -

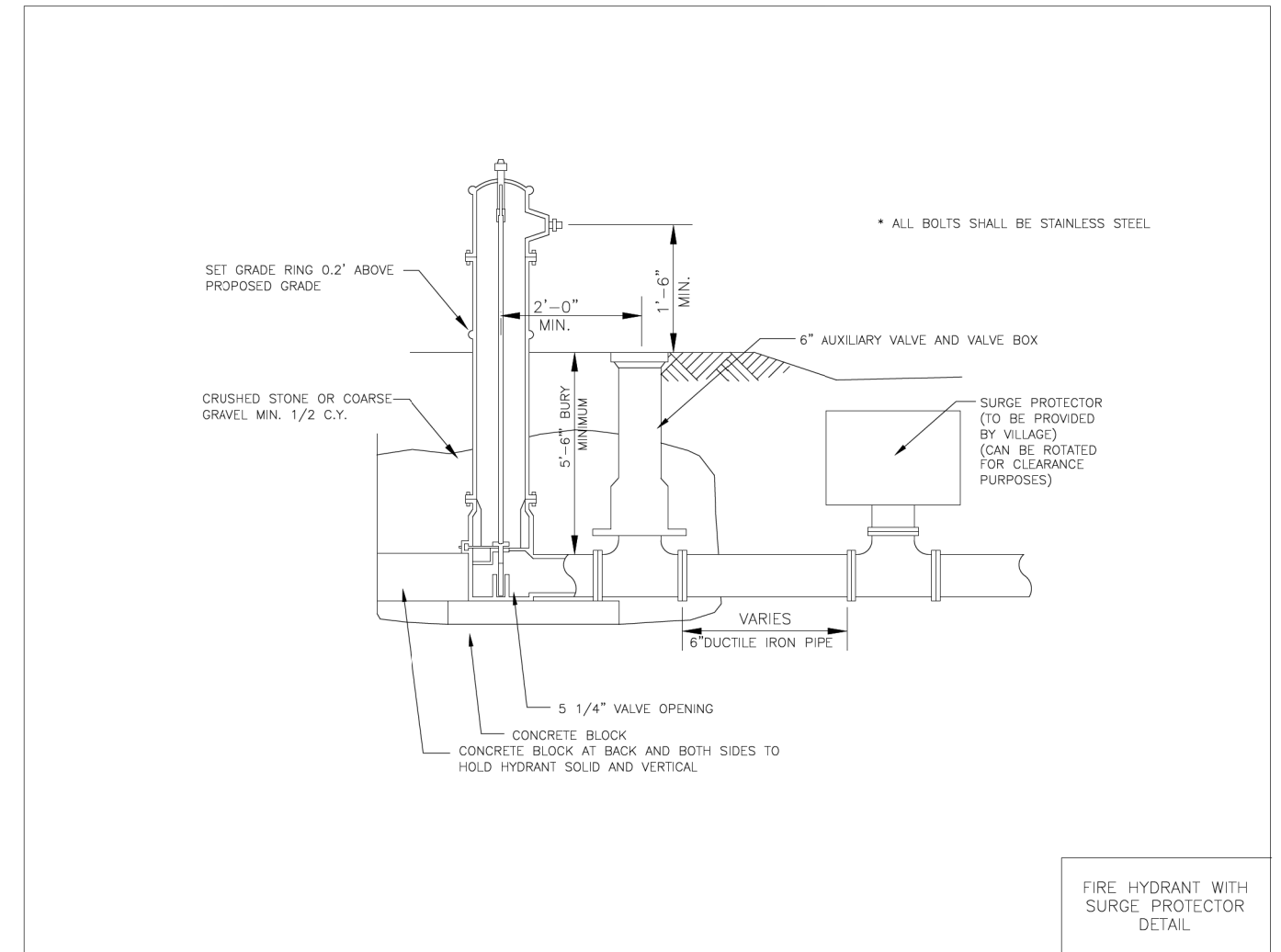
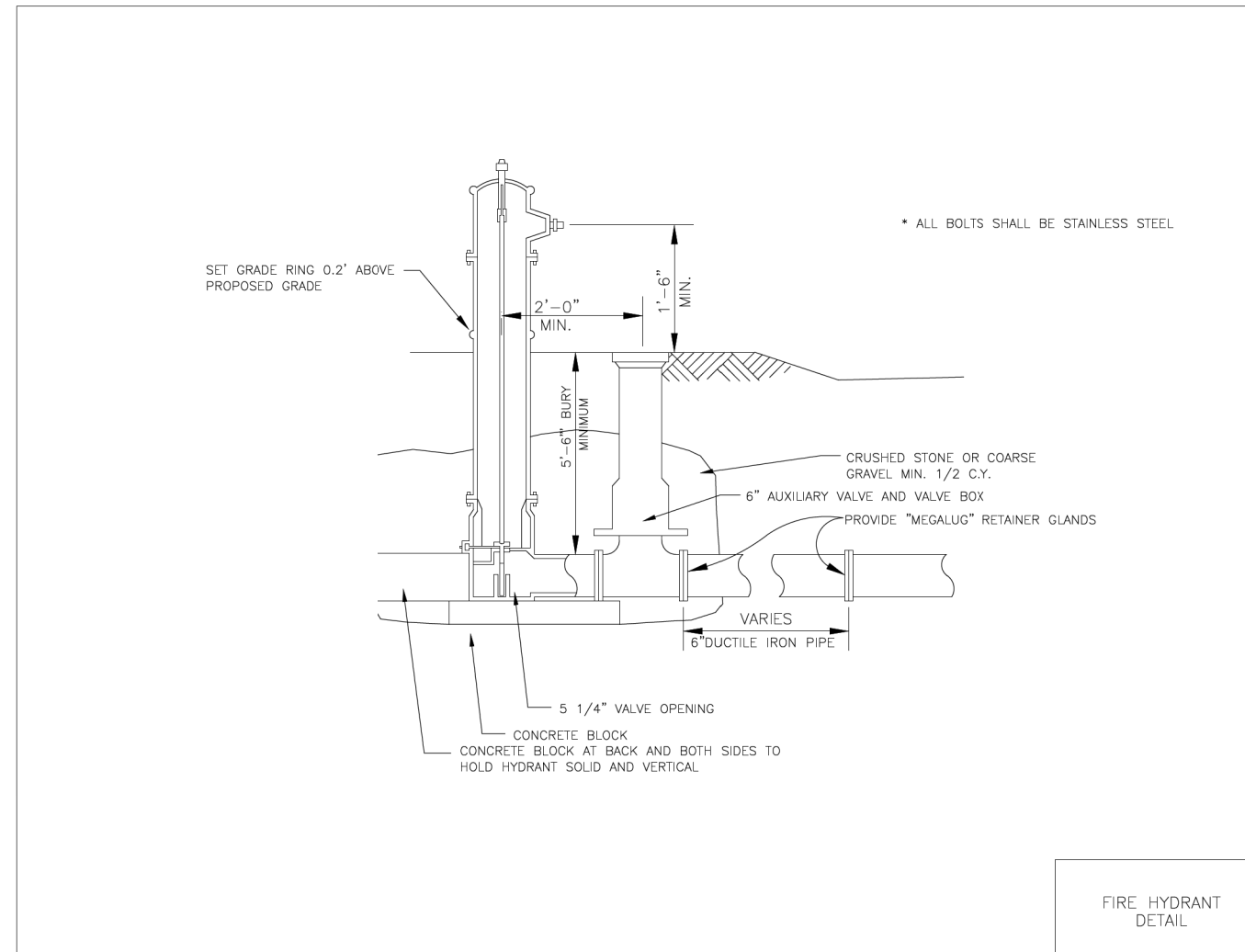
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
CONSTRUCTION DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	119
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

ARLINGTON HEIGHTS DETAILS



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\DET1\CIVIL_CITY-STDS.05 AH.dwg		DRAWN -	REVISED -
	PLOT SCALE = 48"	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 11/6/2024	DATE -	REVISED -

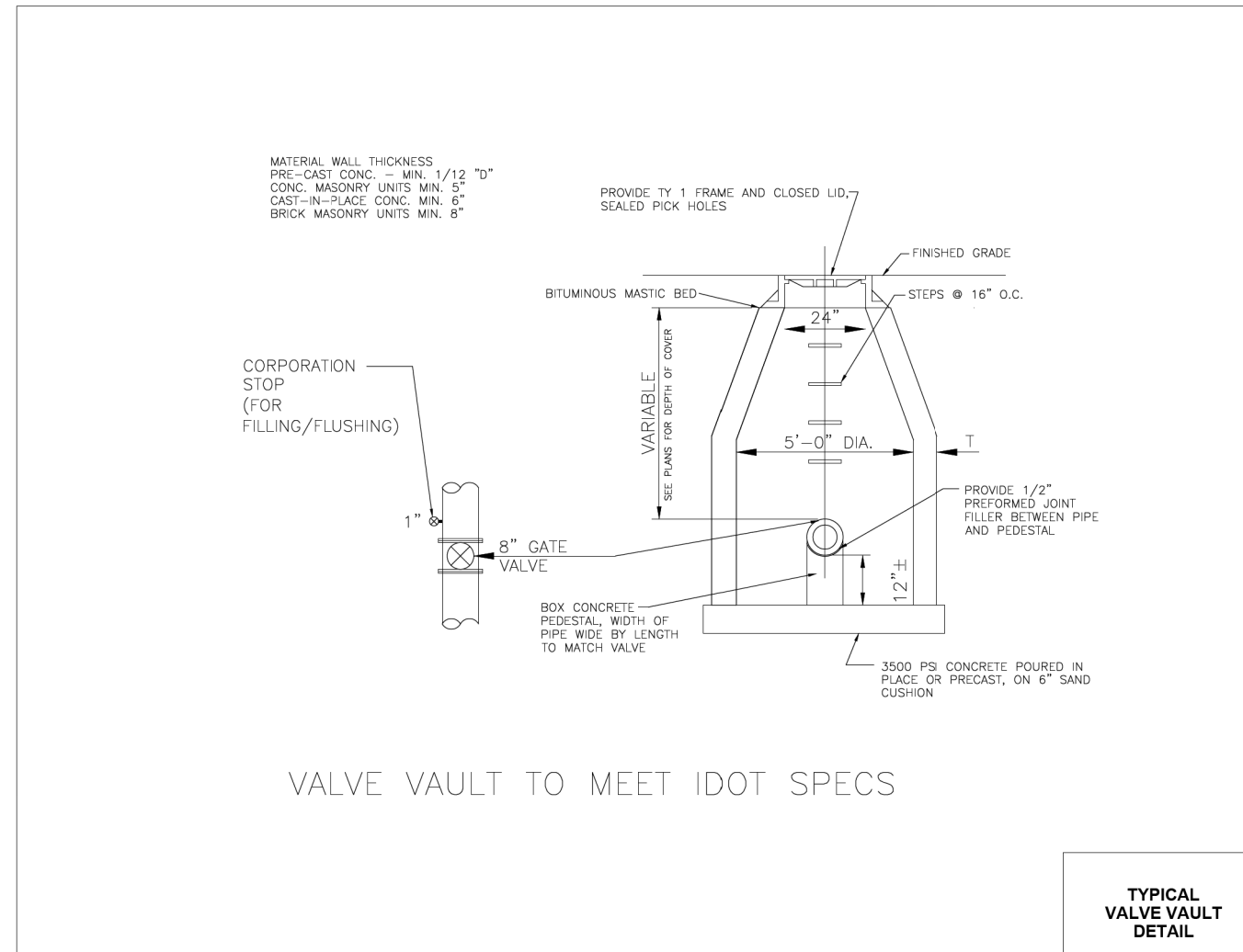
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD (IL 62)
CONSTRUCTION DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	120
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

ARLINGTON HEIGHTS DETAILS



MATERIAL WALL THICKNESS
 PRE-CAST CONC. - MIN. 1/12 "D"
 CONC. MASONRY UNITS MIN. 5"
 CAST-IN-PLACE CONC. MIN. 6"
 BRICK MASONRY UNITS MIN. 8"

PROVIDE TYP 1 FRAME AND CLOSED LID,
 SEALED PICK HOLES

FINISHED GRADE

BITUMINOUS MASTIC BED

STEPS @ 16" O.C.

CORPORATION
 STOP
 (FOR
 FILLING/FLUSHING)

1"
 8" GATE
 VALVE

VARIABLE
 SEE PLANS FOR DEPTH OF COVER

5'-0" DIA.

PROVIDE 1/2"
 PREFORMED JOINT
 FILLER BETWEEN PIPE
 AND PEDESTAL

BOX CONCRETE
 PEDESTAL, WIDTH OF
 PIPE WIDE BY LENGTH
 TO MATCH VALVE

3500 PS CONCRETE POURED IN
 PLACE OR PRECAST, ON 6" SAND
 CUSHION

FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BR200\980361BR246\Civil\DET1.CIVIL.CITY-STD5.05-2 AH.dwg		DRAWN -	REVISED -
MODELNAME	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 11/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

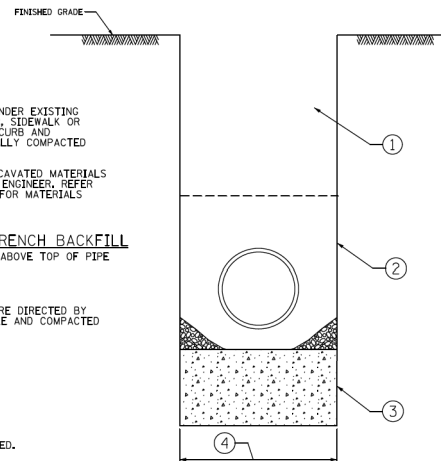
**ALGONQUIN ROAD (IL 62)
 CONSTRUCTION DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	121
CONTRACT NO. 61K07				
ILLINOIS FED. AID PROJECT				

- ① **SELECT TRENCH BACKFILL**
GRANULAR TRENCH BACKFILL TO BE USED UNDER EXISTING OR PROPOSED PAVEMENT, CURB AND GUTTER, SIDEWALK OR WITHIN 2' OF ANY EXISTING OR PROPOSED CURB AND GUTTER OR SIDEWALK. SHALL BE MECHANICALLY COMPACTED C&S, (NON-LIMESTONE).
- ② **PIPE BEDDING AND INITIAL TRENCH BACKFILL**
#6 WASHED STONE FROM 6" BELOW TO 12" ABOVE TOP OF PIPE
- ③ **UNSUITABLE MATERIALS**
IF ENCOUNTERED - SHALL BE REMOVED WHERE DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE AND COMPACTED MATERIAL.
- ④ **TRENCH WIDTH**
MINIMUM = PIPE O.D. +12"
MAXIMUM = PIPE O.D. +36"

NOTES:
1. ALL CA-6 MATERIAL TO BE IDOT APPROVED.

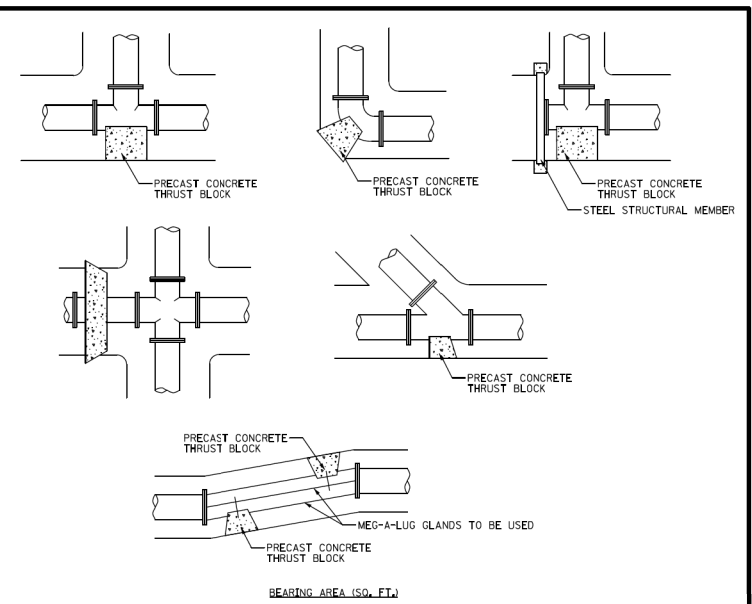


City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

TYPICAL WATER MAIN TRENCH CROSS SECTION

DATE: 1/18/2018
REV: 1
REV: 2
REV: 3

DETAIL NO. **W-4**



BEARING AREA (SQ. FT.)

PIPE SIZE	TEE/PLUG	90 DEG.	45 DEG.	22 1/2°	11.25°
6	4	2	1	1	1
8	6	4	3	1	1
10	7	5	3	2	1
12	8	6	4	3	2
14	12	9	6	4	3
16	15	12	7	5	3
18	18	15	9	5	4
24	40	30	15	10	5

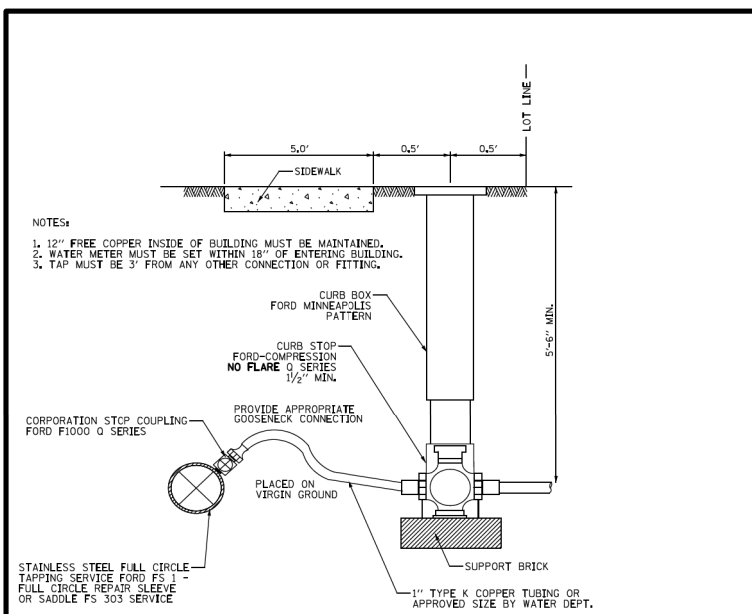
ALL BLOCKING MUST BEAR ON UNDISTURBED EARTH.
ALL BENDS OR ELBOWS GREATER THAN AND INCLUDING 11.25° SHALL HAVE THRUST BLOCKING.
WOOD SHIMS NOT ALLOWED.

City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

THRUST BLOCK DETAIL

DATE: 1/18/2018
REV: 1
REV: 2
REV: 3

DETAIL NO. **W-6**



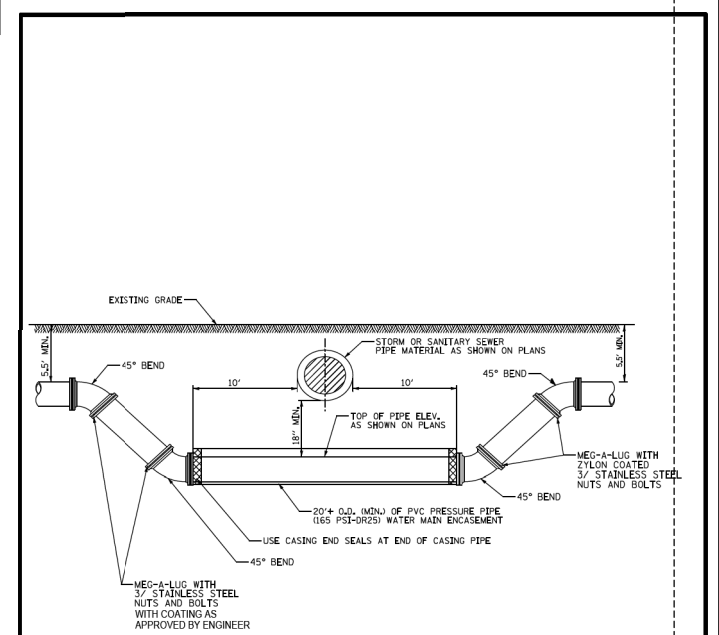
- NOTES:**
1. 12" FREE COPPER INSIDE OF BUILDING MUST BE MAINTAINED.
 2. WATER METER MUST BE SET WITHIN 18" OF ENTERING BUILDING.
 3. TAP MUST BE 3' FROM ANY OTHER CONNECTION OR FITTING.
- Labels in diagram:
 SIDEWALK
 5.0'
 0.5'
 0.5'
 LOT LINE
 5'-6" MIN.
 CURB BOX FORD MINNEAPOLIS PATTERN
 CURB STOP FORD-COMPRESSION NO FLARE O SERIES 1/2" MIN.
 PROVIDE APPROPRIATE GOOSENECK CONNECTION
 CORPORATION STOP COUPLING FORD F1000 O SERIES
 PLACED ON VIRGIN GROUND
 SUPPORT BRICK
 1" TYPE K COPPER TUBING OR APPROVED SIZE BY WATER DEPT.
- NOTES:**
1. NO COUPLINGS PERMITTED BETWEEN CORPORATION AND CURB STOP.
 2. NO COUPLINGS PERMITTED BETWEEN CURB STOP AND BUILDING.
 3. NO LIMESTONE BACKFILL SHALL COME IN CONTACT WITH COPPER OR BRASS.
 4. B-BOXES MUST BE LOCATED IN A GRASSY NON-PAVED AREA.

City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

WATER SERVICE CONNECTION

DATE: 1/18/2018
REV: 1
REV: 2
REV: 3

DETAIL NO. **W-5**



- NOTES:**
1. 12" FREE COPPER INSIDE OF BUILDING MUST BE MAINTAINED.
 2. WATER METER MUST BE SET WITHIN 18" OF ENTERING BUILDING.
 3. TAP MUST BE 3' FROM ANY OTHER CONNECTION OR FITTING.
- Labels in diagram:
 EXISTING GRADE
 45° BEND
 10'
 10'
 45° BEND
 18" MIN.
 TOP OF PIPE ELEV. AS SHOWN ON PLANS
 20" O.D. (MIN.) OF PVC PRESSURE PIPE (165 PSI-DR25) WATER MAIN ENCASEMENT
 USE CASING END SEALS AT END OF CASING PIPE
 45° BEND
 MEG-A-LUG WITH 3/4" STAINLESS STEEL NUTS AND BOLTS
 MEG-A-LUG WITH 3/4" STAINLESS STEEL NUTS AND BOLTS WITH COATING AS APPROVED BY ENGINEER

City of Rolling Meadows
3600 Kirchoff Road
Rolling Meadows, Illinois 60008
(847) 394-9500

WATER MAIN LOWERING DETAIL

DATE: 1/18/2018
REV: 1
REV: 2
REV: 3

DETAIL NO. **W-7**

- c. Water from the existing distribution system shall be made to flow at a constant rate into the new main.
- d. The City of Rolling Meadows Water Division personnel must witness the disinfection process. An appointment with 24-hour prior notice must be scheduled with City of Rolling Meadows Water Division.
- e. In the process of chlorinating newly laid pipe, all valves, fire hydrants, or other appurtenances shall be operated while the pipe line is filled with the chlorinating agent and under normal operating pressures.

Disinfection of Water Services (Larger Than Two (2)-Inches)

For the purpose of clarifying this section, water service in this section refers to one (1) or more of the following installations that terminate inside of a building under construction.


- The service line being installed is for the purpose of a combination domestic and fire protection use.
- The service line being installed is for the purpose of branching into multiple domestic services inside of a meter room.
- The service line is the section of main being tested from the City of Rolling Meadows right-of-way valve to a location inside of the building.
- There are no fire hydrants installed on the service line.

1. Meter Rooms/Building Installations

- a. The service line will be disinfected to the inside valve of the meter room prior to any branch service being connected.
- b. The meter room will have a permanent heating system installed and in working condition prior to the disinfection.
- c. One (1) sample point will be provided at the source and one (1) sample point will be provided at the inside valve provided the length of pipe does not exceed 1,000-feet.
- d. The contractor will supply a copper tube gooseneck assembly at each of the sample points and provide methods to divert the flushing water.
- e. The City of Rolling Meadows in Water Division personnel must witness the disinfection process. An appointment with 24 hours prior notice must be scheduled with City of Rolling Meadows Water Division.

2. Domestic/Fire Service Mains/Meter Room

- a. The service line will be disinfected up to the inside valve on both the fire branch and the domestic branch.
- b. The Fire Service Main Branch will have a valve of equal size to the riser section installed prior to chlorination.

 City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-9500	WATER MAIN TESTING SPECIFICATIONS	DATE: 1/15/2024 REV. 1: REV. 2: REV. 3:	DETAIL NO. W-9 PAGE 4 OF 7
	ENGINEERING DETAILS		

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\200\11\BR200\CIVIL\DETAILS\WATER\W-9_36368R.dwg

- c. The building, meter room, or location of the incoming service line will have a permanent heating system installed and in working condition prior to the disinfection.
- d. One (1) sample point will be provided at the source and one (1) sample point will be provided at the inside valve provided the length of pipe does not exceed 1,000-feet and provide a method to divert the flushing water.
- e. The contractor will supply a copper tube goose neck assembly at each of the sample points.
- f. The City of Rolling Meadows Water Division personnel must witness the disinfection process. An appointment with 24 hours prior notice must be scheduled with City of Rolling Meadows Water Division.

De-chlorination Requirements

Following chlorination, all treated water shall be thoroughly flushed from the newly laid pipe using the fire hydrant(s) and/or all the copper gooseneck assemblies. The flushing shall replace the highly chlorinated water with water that has a chlorine residual of less than 1mg/l or equal to the residual from the supply service.


- The discharging of chlorinated water must be expelled to the surrounding ground surface.
- The contractor/developer must comply with all of the I.E.P.A. Rules, Regulations, and Standards for de-chlorinating water as part of the discharging.
- The contractor/developer is responsible for the equipment and materials to de-chlorinate the water at each point it is discharging.
- The City of Rolling Meadows Water Division personnel are the only individuals authorized to operate the valves.
- The City of Rolling Meadows Water Division personnel must witness the de-chlorination procedures when flushing the water mains. An appointment with 24-hour prior notice must be scheduled with City of Rolling Meadows Water Division.

Sampling and Testing

Sample collection for bacterial testing will start immediately after flushing the disinfection water from the system and prior to any portion of the water main being placed into service. Samples will be collected at all sample points designated by the City of Rolling Meadows Water Superintendent. Sampling procedures must follow the I.E.P.A. Standards for construction of new water mains.

1. Locations and Spacing

- a. Samples will be collected from the service, along the water main, as required, and at the end of the line.

 City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-9500	WATER MAIN TESTING SPECIFICATIONS	DATE: 1/15/2024 REV. 1: REV. 2: REV. 3:	DETAIL NO. W-9 PAGE 5 OF 7
	ENGINEERING DETAILS		

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\200\11\BR200\CIVIL\DETAILS\WATER\W-9_36368R.dwg

- b. Samples will be collected from fire hydrants at points not to exceed 1,000-feet of linear water main, or as directed by the City of Rolling Meadows.
- c. A sample will be collected from the copper goose-neck assembly point that is located no further than five (5)-feet downstream from the beginning of the new water main.


2. Collection Requirements

- a. The contractor is required to collect all samples at the location(s) designated by the City of Rolling Meadows Water Superintendent.
- b. City of Rolling Meadows Water Division personnel are the only individuals authorized to operate any water valves and must witness all samples at time of collection. 24-hour prior notice must be scheduled with the City of Rolling Meadows Water Division.
- c. A chain of custody form will be used to identify sample location, chloride residual, time of collection, etc. All collection samples will be sealed with a tamper proof label.
- d. The contractor is required to take the collected samples to a certified laboratory approved by the City of Rolling Meadows Water Superintendent.
- e. The City of Rolling Meadows Water Division has the right to collect quality control samples at the same time contractor collects samples. The charges for the quality control samples will be charged to the contractor.
- f. Samples must be collected on two consecutive days with at least 24-hours of separation between the collection times.
- g. Each sample collected will be tested for quality and must show the absence of coliform organisms.

3. Satisfactory Sample Results

If all the samples tested meet the Bacteriological Quality Standards and are certified as satisfactory by the testing lab:

- a. The contractor may have the lab email the results directly to the City of Rolling Meadows Water Division;
- b. The contractor must provide original copies of the certified results to the City of Rolling Meadows Water Superintendent within seven (7) business days of the date on the test results; and
- c. The contractor must contact the City of Rolling Meadows Water Division to schedule an appointment to have the water main placed into service within 72 hours of the satisfactory test results being certified and only as approved by the Water Superintendent. All original chain of custody forms must be returned before activation.

 City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-9500	WATER MAIN TESTING SPECIFICATIONS	DATE: 1/15/2024 REV. 1: REV. 2: REV. 3:	DETAIL NO. W-9 PAGE 6 OF 7
	ENGINEERING DETAILS		

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\200\11\BR200\CIVIL\DETAILS\WATER\W-9_36368R.dwg


4. Unsatisfactory Sample Results

If any one of the samples tested fails to meet the Bacteriological Quality Standards and is deemed unsatisfactory, then all the samples collected on the same date for the tested section of pipe, will be considered unsatisfactory.

- d. Unsatisfactory samples from the first day of collection will be discarded. A new first day collection must be collected with a new second day to be collected consecutively.
 - e. Unsatisfactory samples from the second day of collection will be discarded. First day samples will also be discarded and the contractor must schedule new first and second day samples.
- The contractor will have up to three (3) chances of first day and two (2) chances of second day bacterial testing to obtain satisfactory results on all the samples collected and tested.
- f. Should the contractor fail to obtain satisfactory results after the allotted attempts, the watermain section being tested is to have the original disinfection procedures repeated until satisfactory results are obtained.

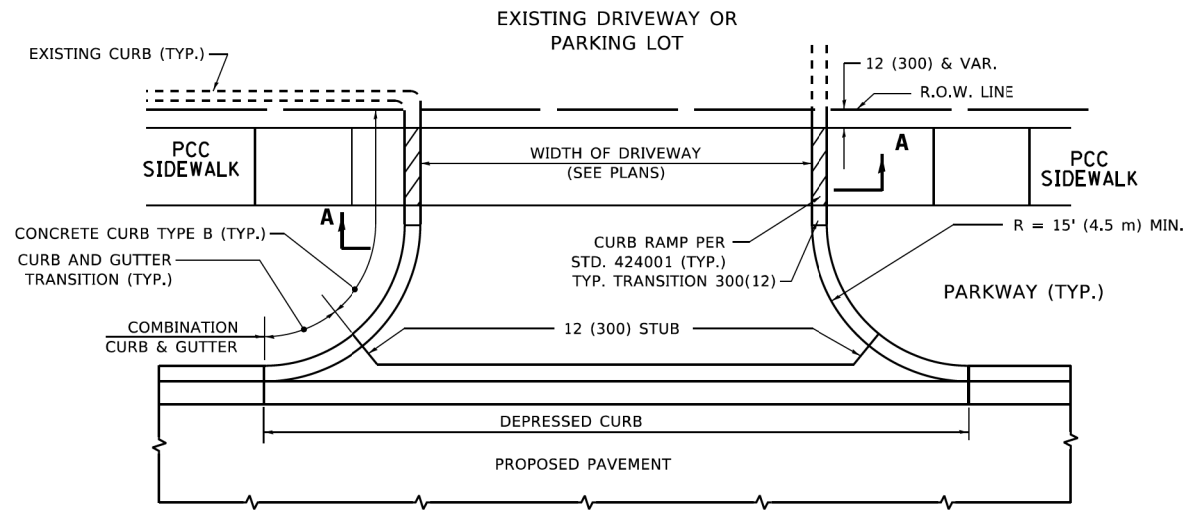
Flow Test

After completion of all water mains and installation of all fire hydrants within a subdivision, a flow test shall be performed at the point in the subdivisions farthest away from the existing City water main. The flow test shall provide information regarding static pressure, residual pressure and flow rate, and the information shall be supplied to the City.

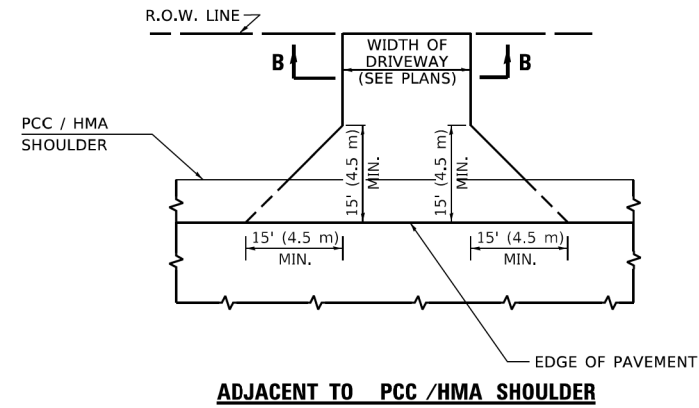
 City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, Illinois 60008 (847) 394-9500	WATER MAIN TESTING SPECIFICATIONS	DATE: 1/15/2024 REV. 1: REV. 2: REV. 3:	DETAIL NO. W-9 PAGE 7 OF 7
	ENGINEERING DETAILS		

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\200\11\BR200\CIVIL\DETAILS\WATER\W-9_36368R.dwg

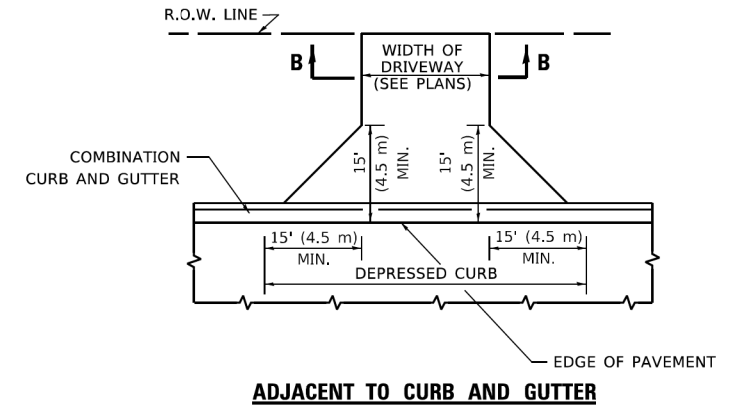
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALGONQUIN ROAD (IL 62) CONSTRUCTION DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\980361.BR\200\11\BR200\CIVIL\DETAILS\CITY-STDS.06-2.dgn	361BR246\Civil\DETAILS\CITY-STDS.06-2.dgn	DRAWN -	REVISED -			0339	SN 20-00124-00-CH	COOK	153	124	
\$MODELNAME\$	PLOT SCALE = 48"	CHECKED -	REVISED -			CONTRACT NO. 61K07					
	PLOT DATE = 11/6/2024	DATE -	REVISED -			SCALE: N/A	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



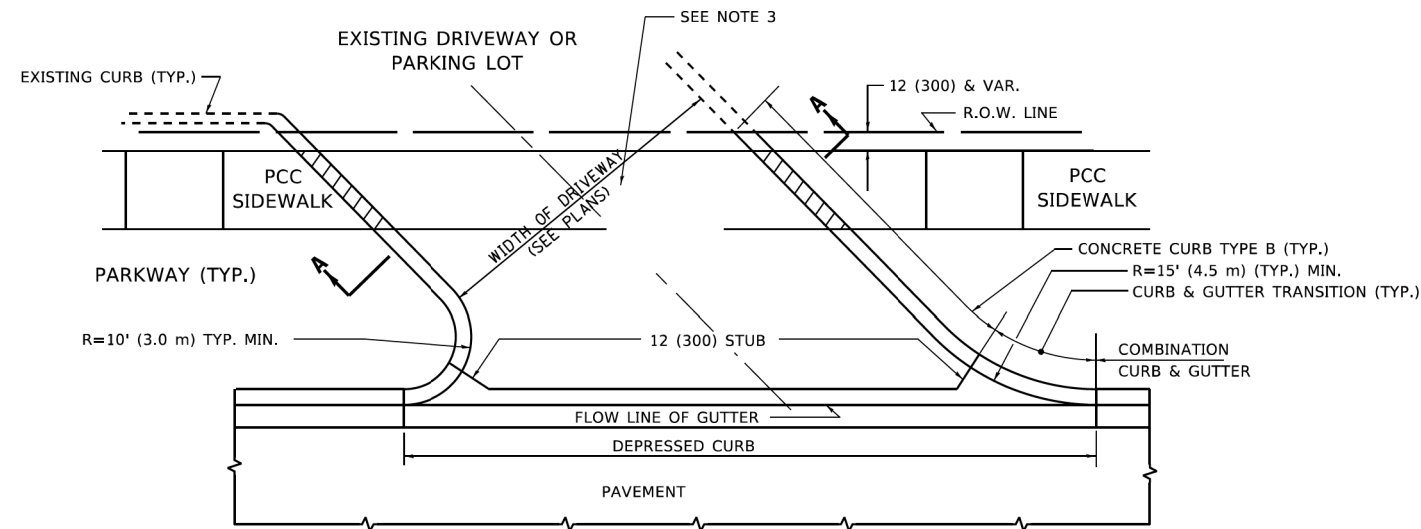
WITH CONCRETE CURB, TYPE B



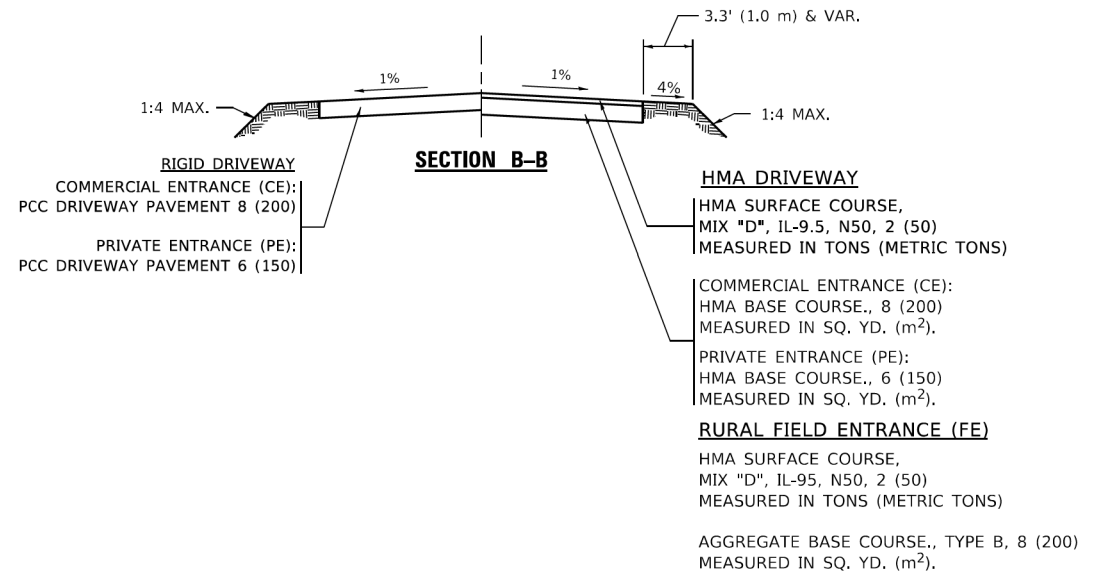
ADJACENT TO PCC /HMA SHOULDER



ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B



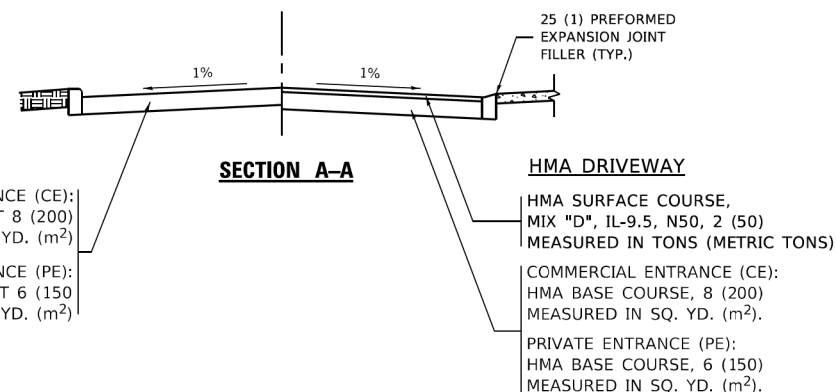
SECTION B-B

RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 PCC DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 PRIVATE ENTRANCE (PE):
 PCC DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", IL-9.5, N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 COMMERCIAL ENTRANCE (CE):
 HMA BASE COURSE., 8 (200)
 MEASURED IN SQ. YD. (m²).
 PRIVATE ENTRANCE (PE):
 HMA BASE COURSE., 6 (150)
 MEASURED IN SQ. YD. (m²).
RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", IL-95, N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE COURSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.



SECTION A-A

RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 PCC DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 PRIVATE ENTRANCE (PE):
 PCC DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", IL-9.5, N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 COMMERCIAL ENTRANCE (CE):
 HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²).
 PRIVATE ENTRANCE (PE):
 HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).

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

MODEL: Default
 FILE NAME: \\n:\roll\meadows\980361.BR\BR200\98361BR246\Civil\Standard\180014.Civil\Detail\01.dgn

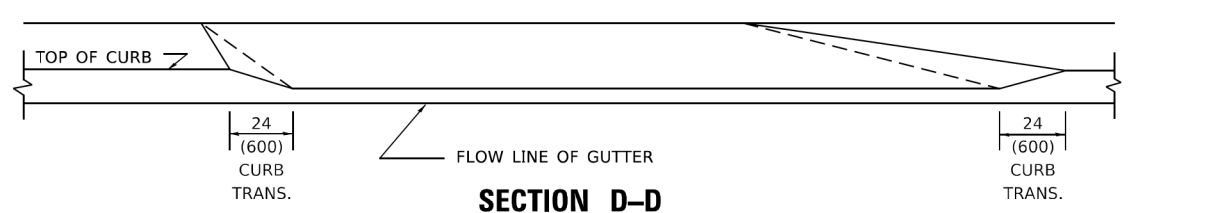
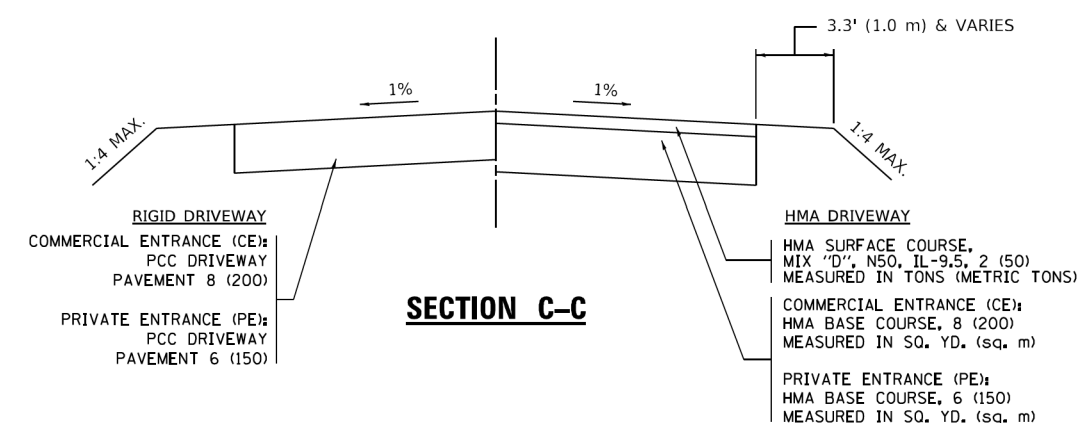
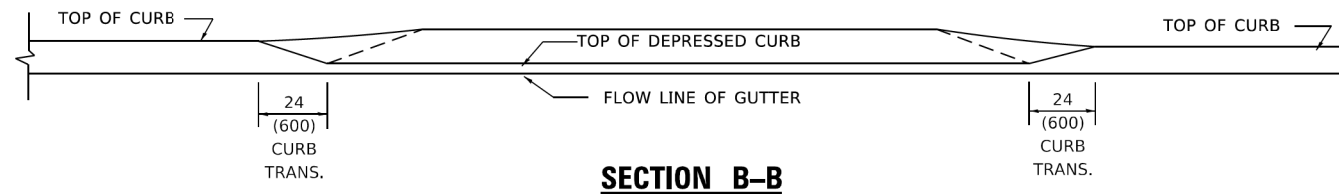
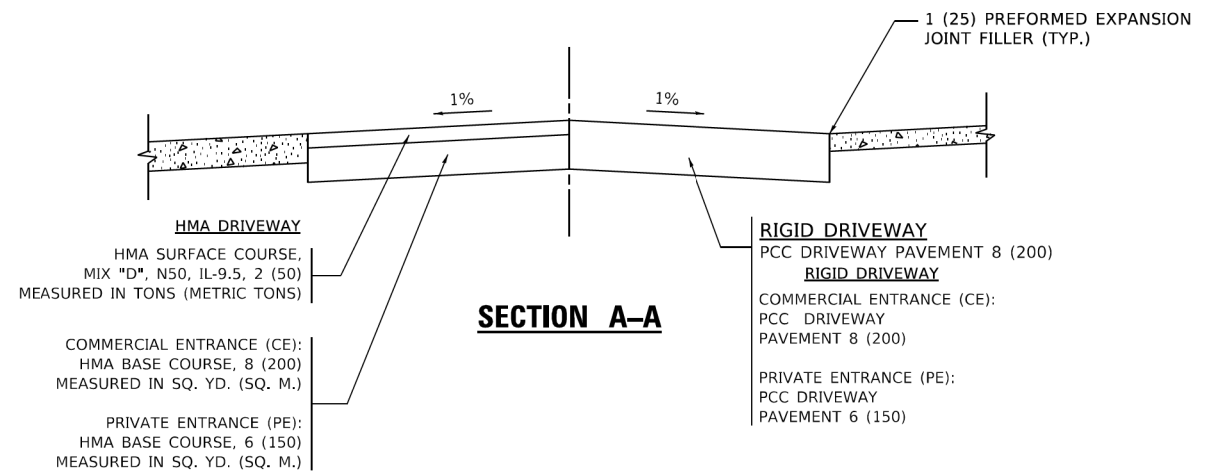
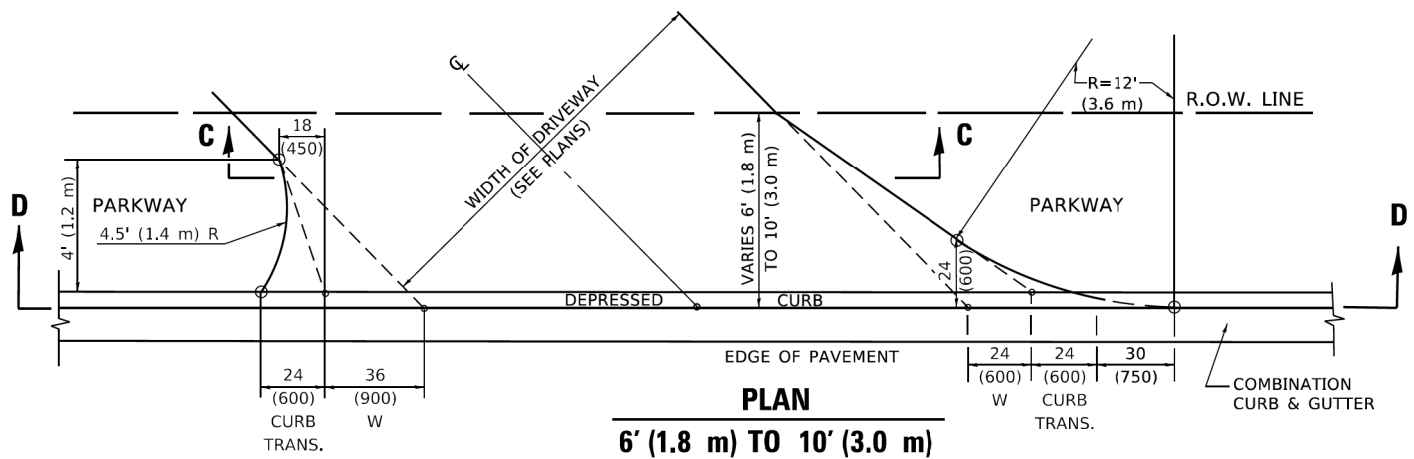
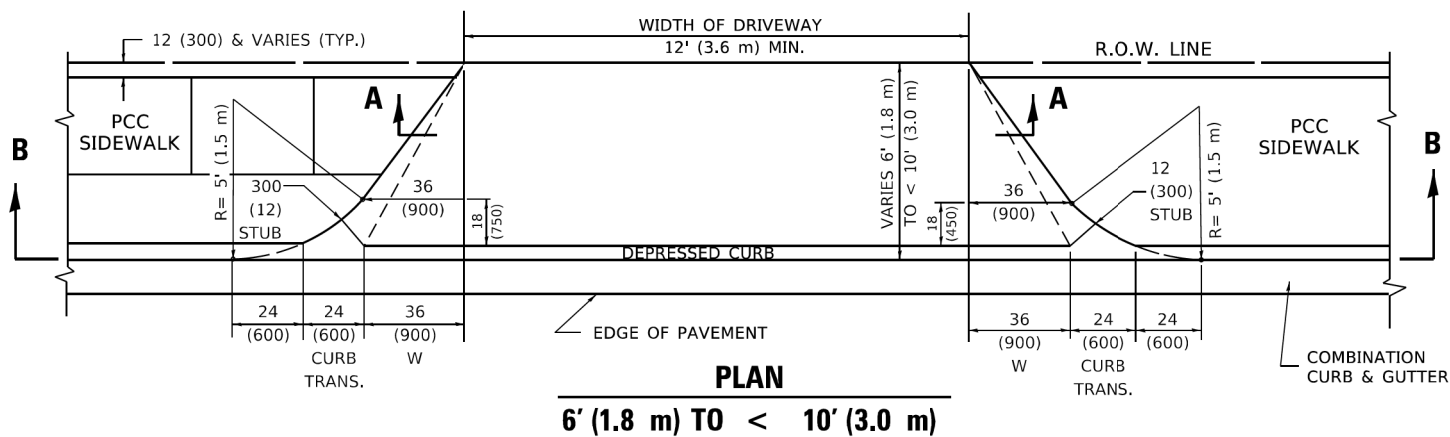
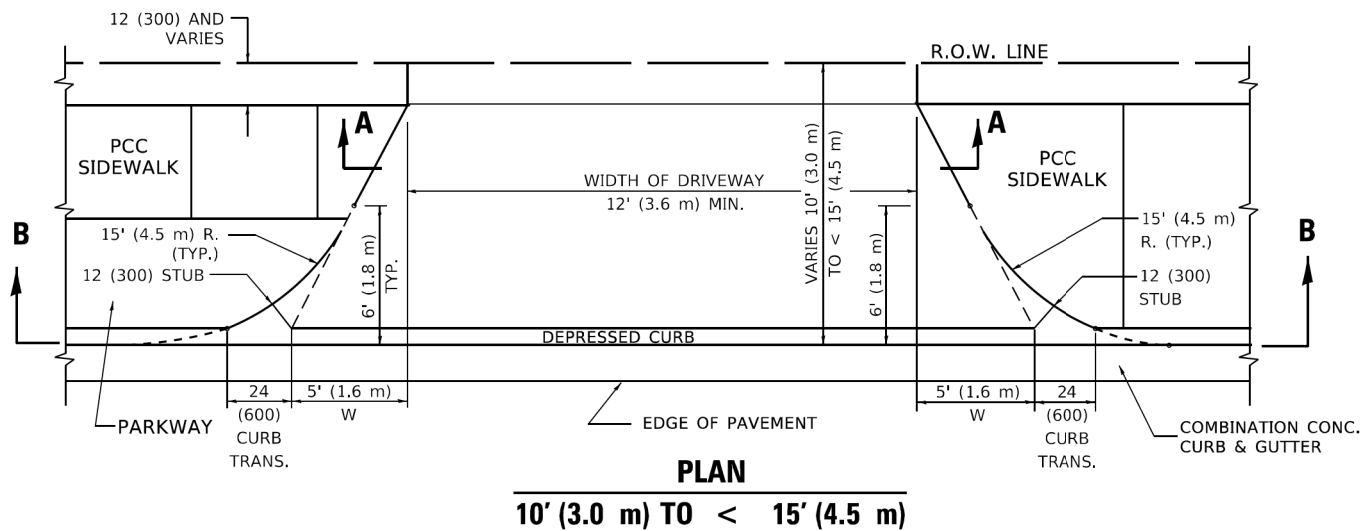
USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. BORO 09-06-11
PLOT DATE = 11/18/2022	CHECKED -	REVISED - K. SMITH 08-28-19
	DATE - 11-04-95	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 125
BD400-01 (BD-01)		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				

FILE NAME: \\n:\roll\meadows\980361.BR\BR200\98361BR246\Civil\Standard\180014.Civil\Detail\01.dgn



GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

MODEL: Default
FILE NAME: \\pww\pww-bentley.com\pww\pww\Documents\DOT Office\Bentley\1\Projects\Bentley\22\23\CAD\Bentley\CAD\Sheets\bd02.dgn

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. BORO 09-06-11
PLOT DATE = 11/18/2022	CHECKED -	REVISED - K. SMITH 08-27-19
	DATE = 11-06-95	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS		
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)		
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.

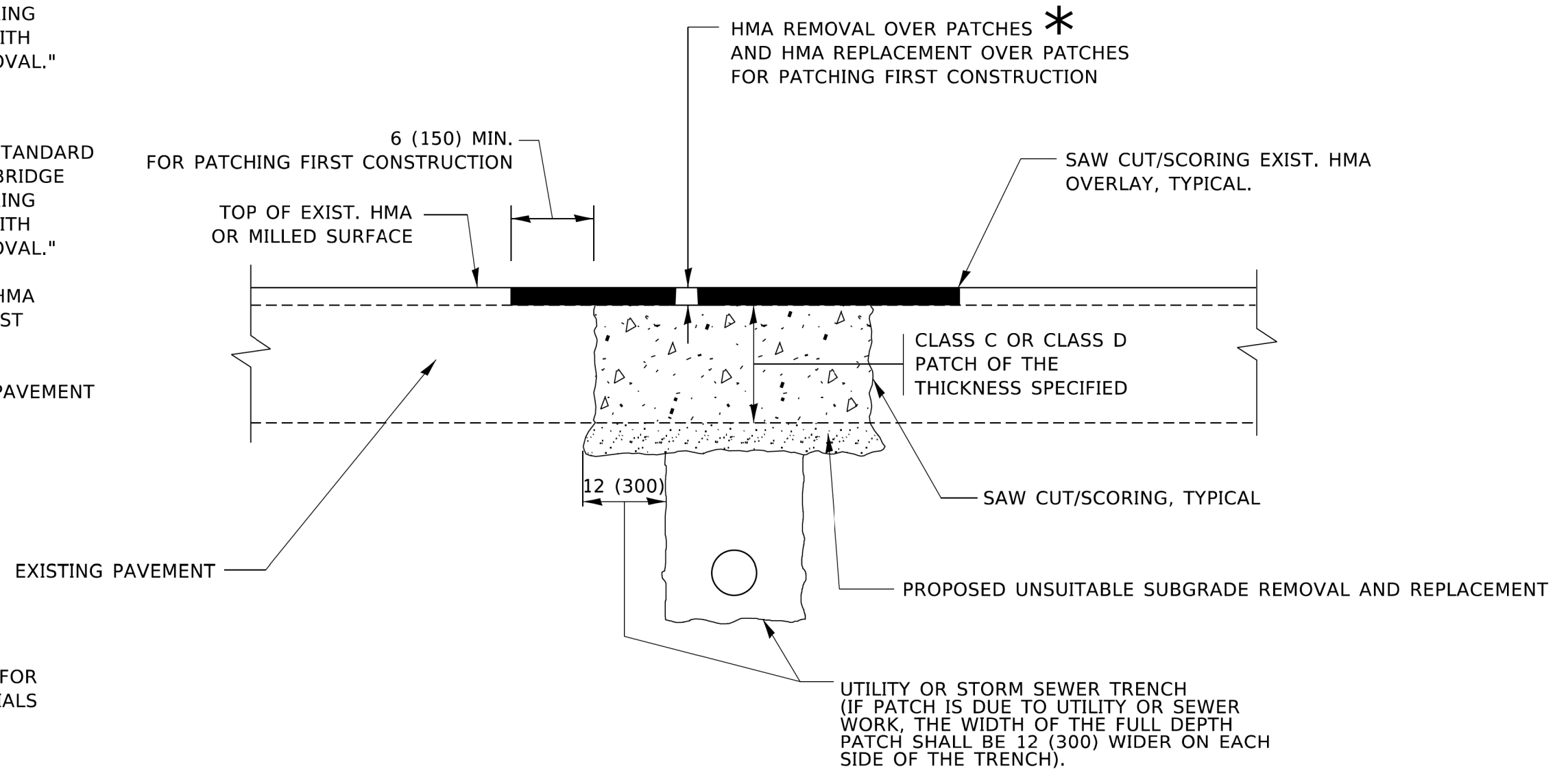
F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 126
BD400-02 (BD-02)		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

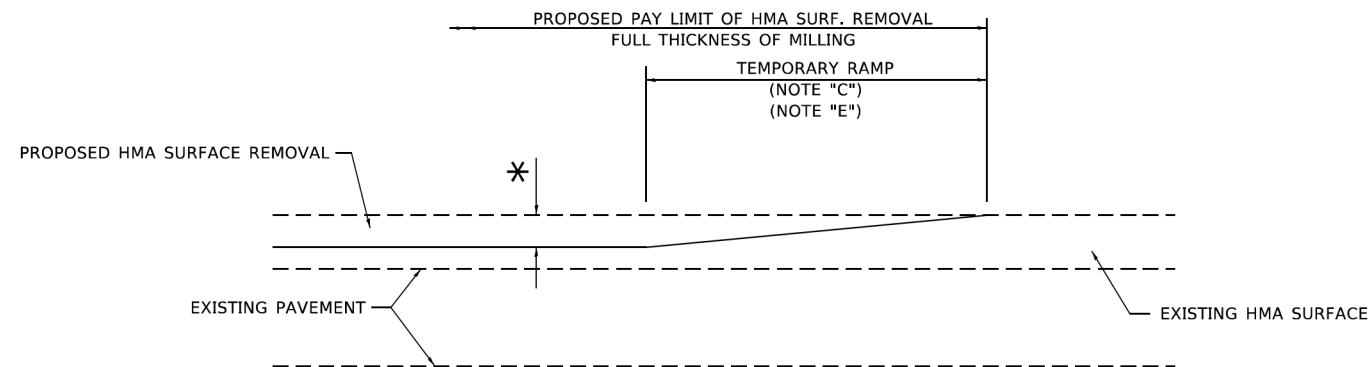
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: Default
 FILE NAME: D:\wilde-pw-bentley.com\pwwork\Documents\DOT Office\Bentley - Projects\Bentley\2022\23\CA\CAData\CAD\Sheets\22.dgn

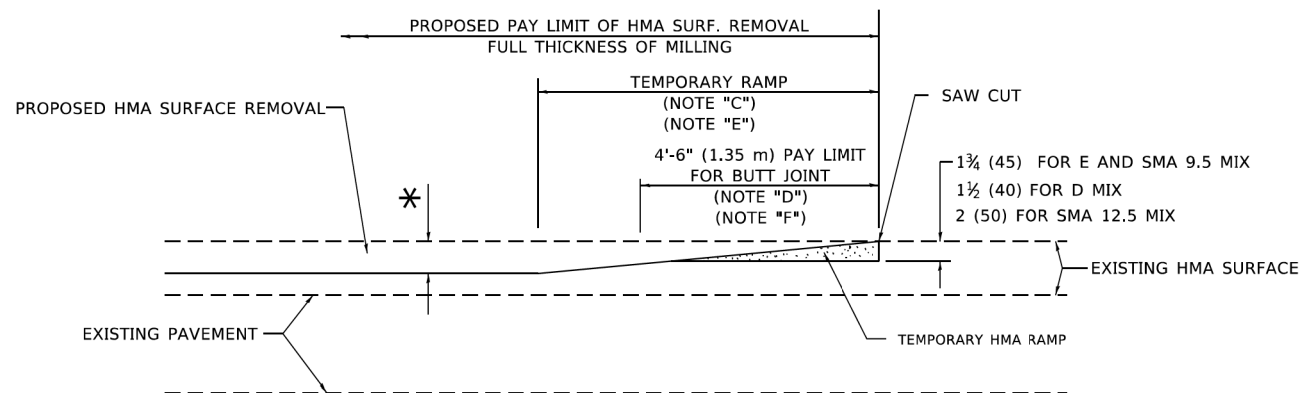
USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 127		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08			BD400-04 (BD-22)		CONTRACT NO. 61K07		ILLINOIS FED. AID PROJECT		
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.			
FILE NAME N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Civil\Standard.180014.Civil\Dist\Detail-03.dgn											



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

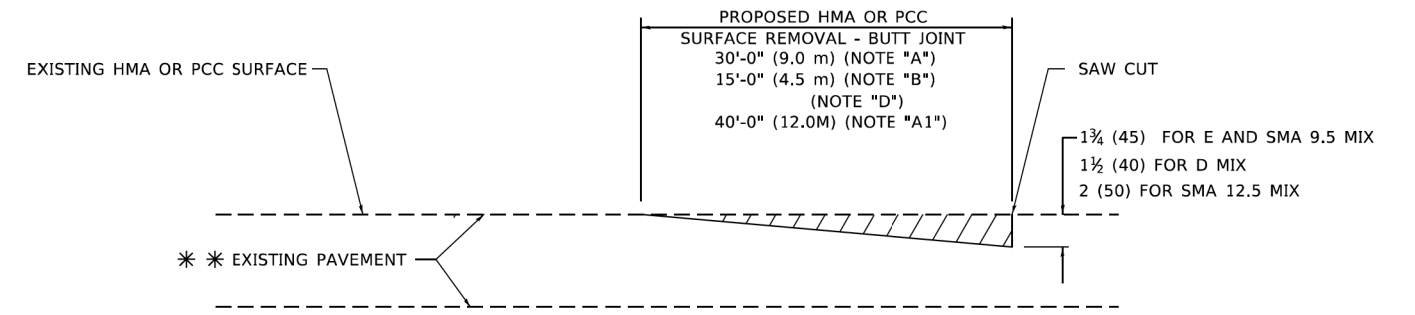


HMA CONSTRUCTED TEMPORARY RAMP

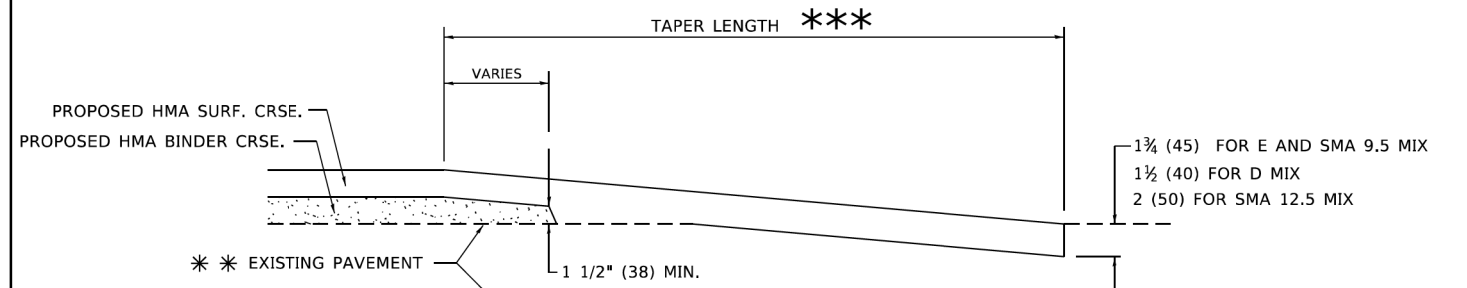
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

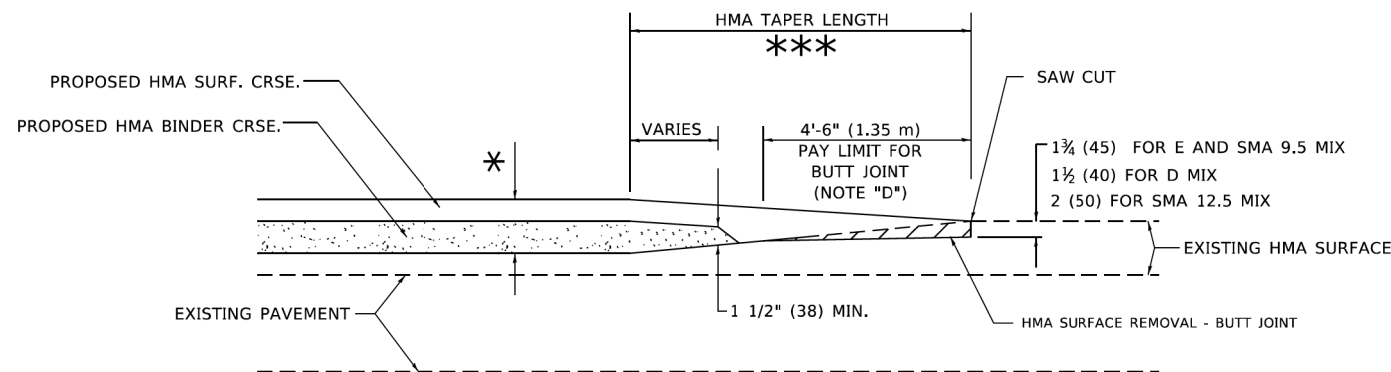
GENERAL NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE NAME: D:\wilde-pw.bentley.com\pwwork\Documents\DOT Office\Bentley\1\Projects\BHS0724\CA\Drawat\CAD\Sheets\sb32.dgn

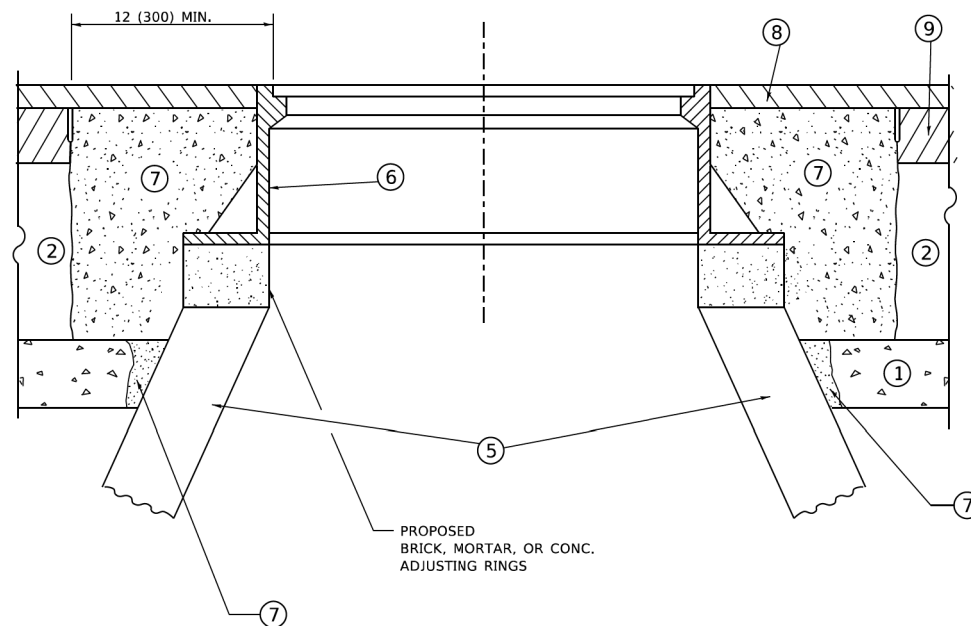
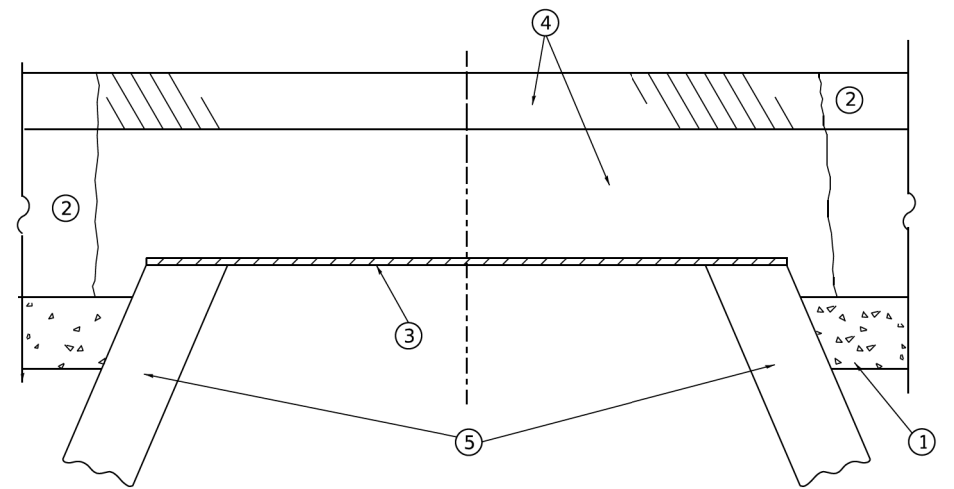
USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - R. BORO 01-01-07
		REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	20-00124-00-CH	COOK	153	128
BD400-05 BD-32		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-2* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- 1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- 2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- 3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

NOTES

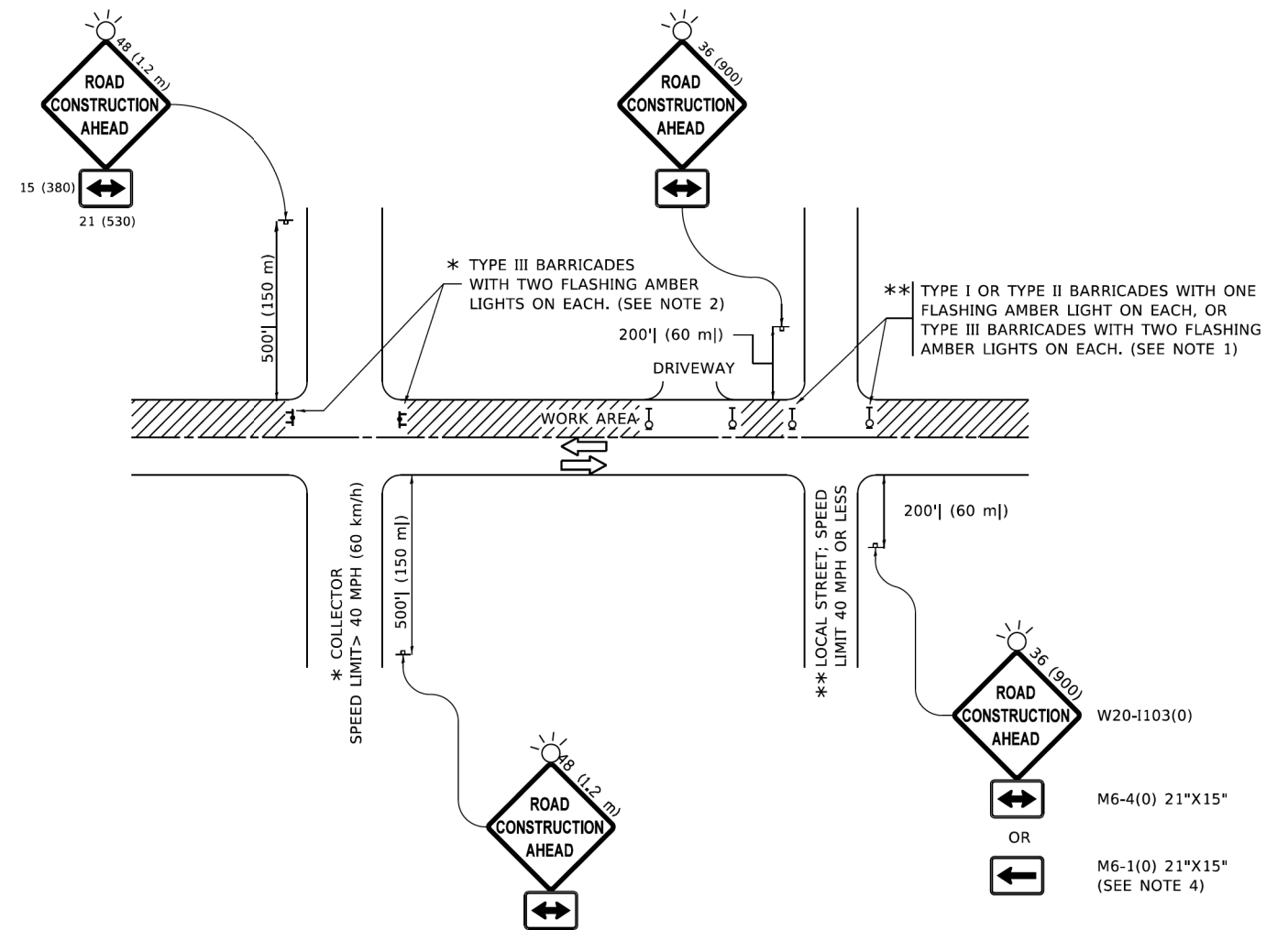
- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE NAME: W:\GIS\22-34\bd08.dgn

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. BORO 12-06-11				0339	20-00124-00-CH	COOK	153	129
PLOT DATE = 9/15/2023	CHECKED -	REVISED - K. SMITH 11-18-22		BD600-03 (BD-08)		CONTRACT NO. 61K07		ILLINOIS FED. AID PROJECT		
DATE - 10-25-94	DATE - 10-25-94	REVISED - K. SMITH 09-15-23		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.			

MODEL: Default
FILE NAME: N:\RollingMeadows\980361\BR200\98361BR246\Civil\Standard\800RAWN\Dist\Detail-02.dgn



NOTES:

1. 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:
 - a) 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.
 - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) 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.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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.

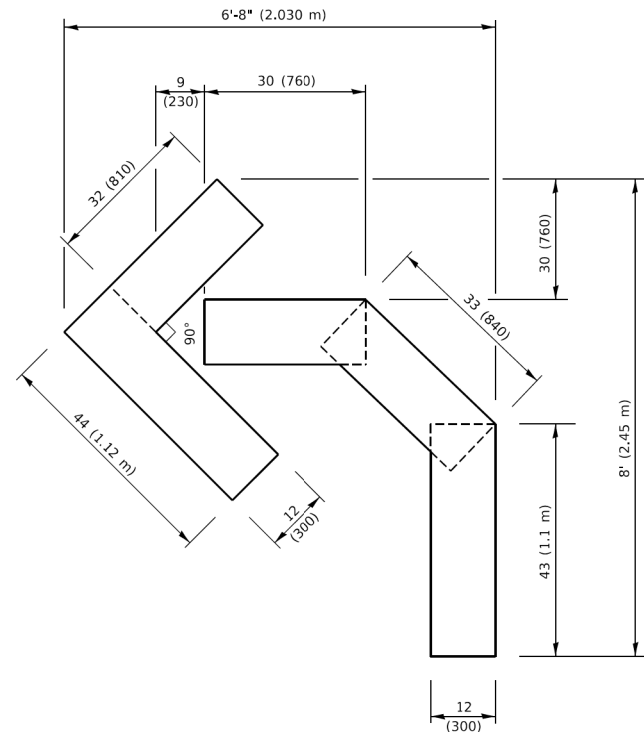
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

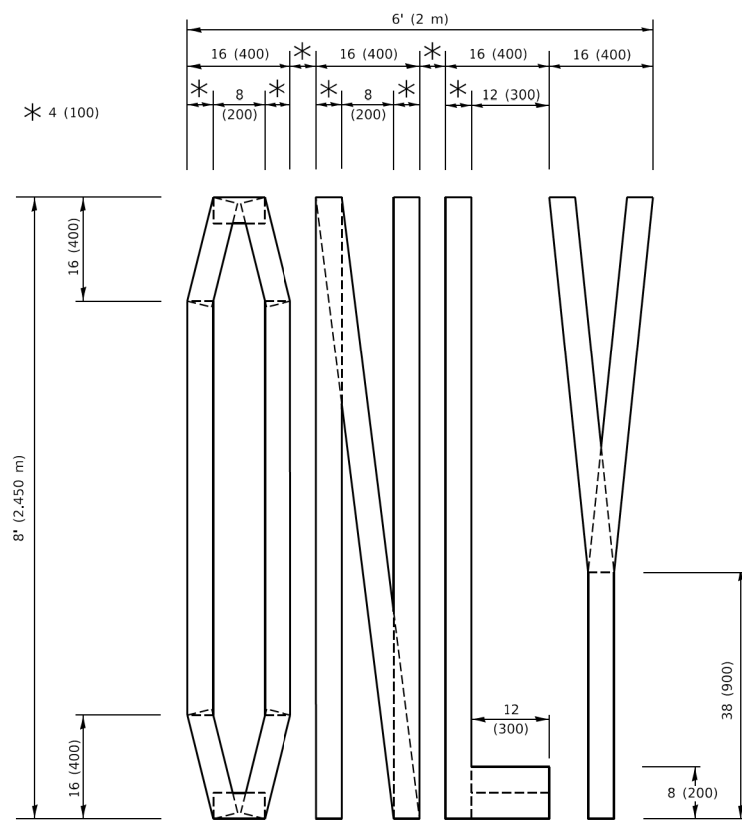
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	20-00124-00-CH	COOK	153	130
TC-10			CONTRACT NO. 61K07	
ILLINOIS FED. AID PROJECT				

USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
FILE NAME N:\RollingMeadows\980361\BR200\98361BR246\Civil\Standard\800RAWN\Dist\Detail-02.dgn	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100.0000 ' / in.	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024		REVISED - D. SENDRAK 05-03-24



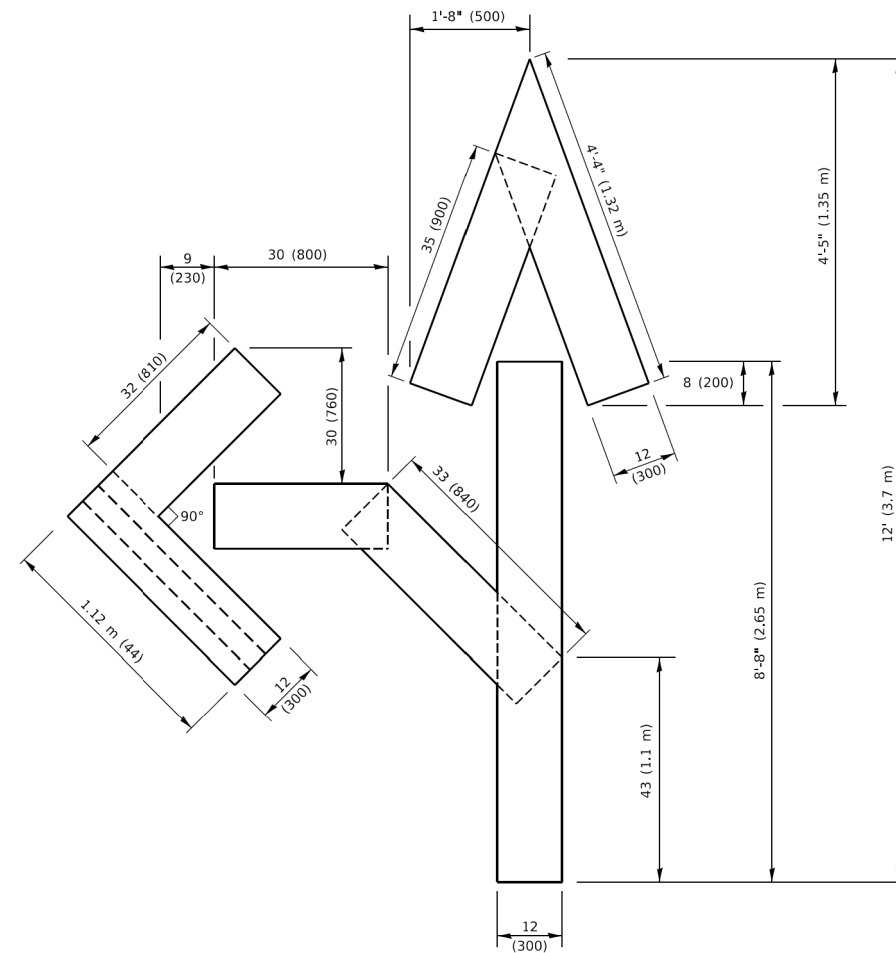
QUANTITY

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



QUANTITY

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

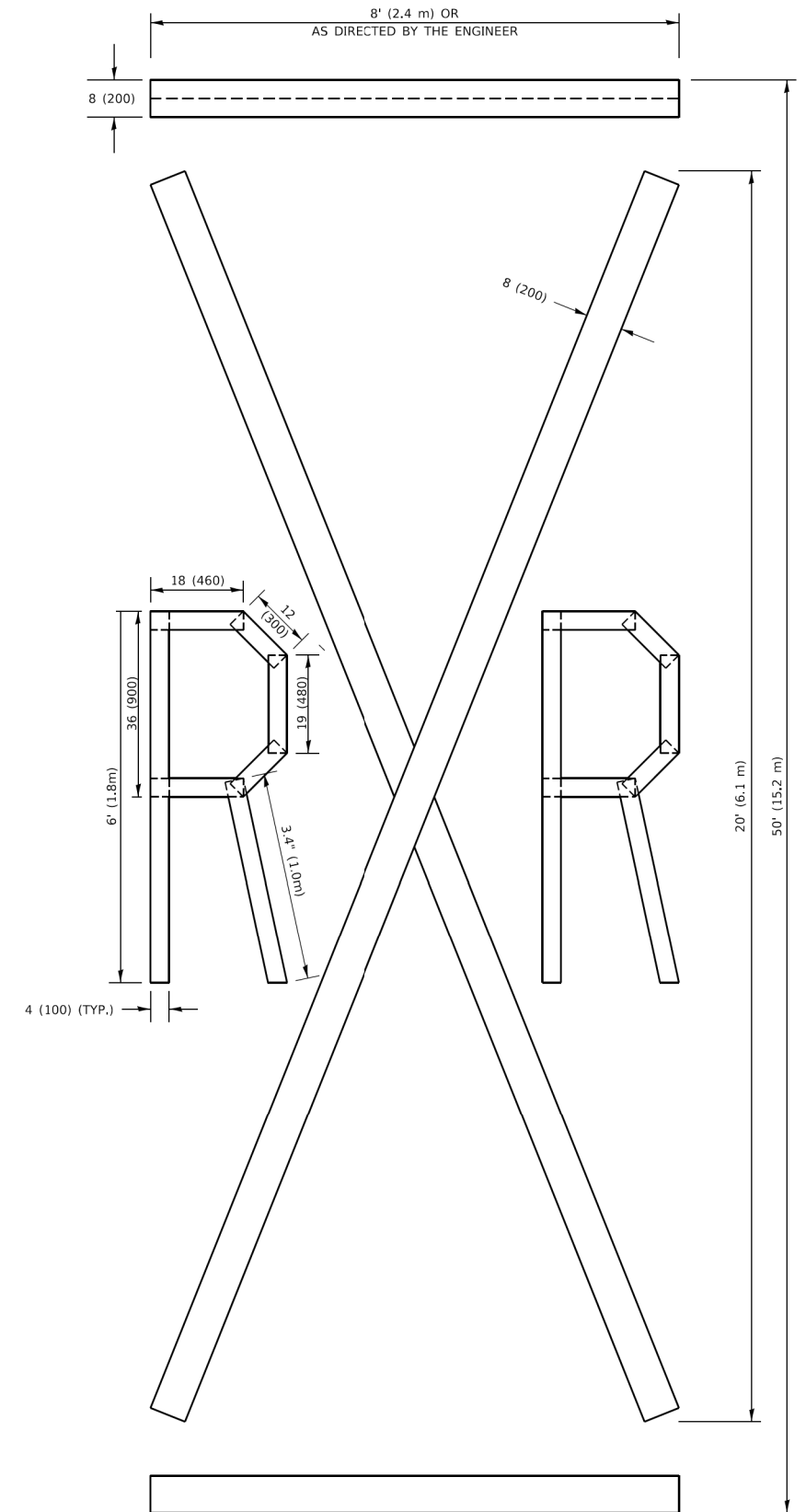


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: Default
FILE NAME: p:\11084EBID\NTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DSHS\22x34\CADD\3a\CAD\Sheets\16.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50,0068' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

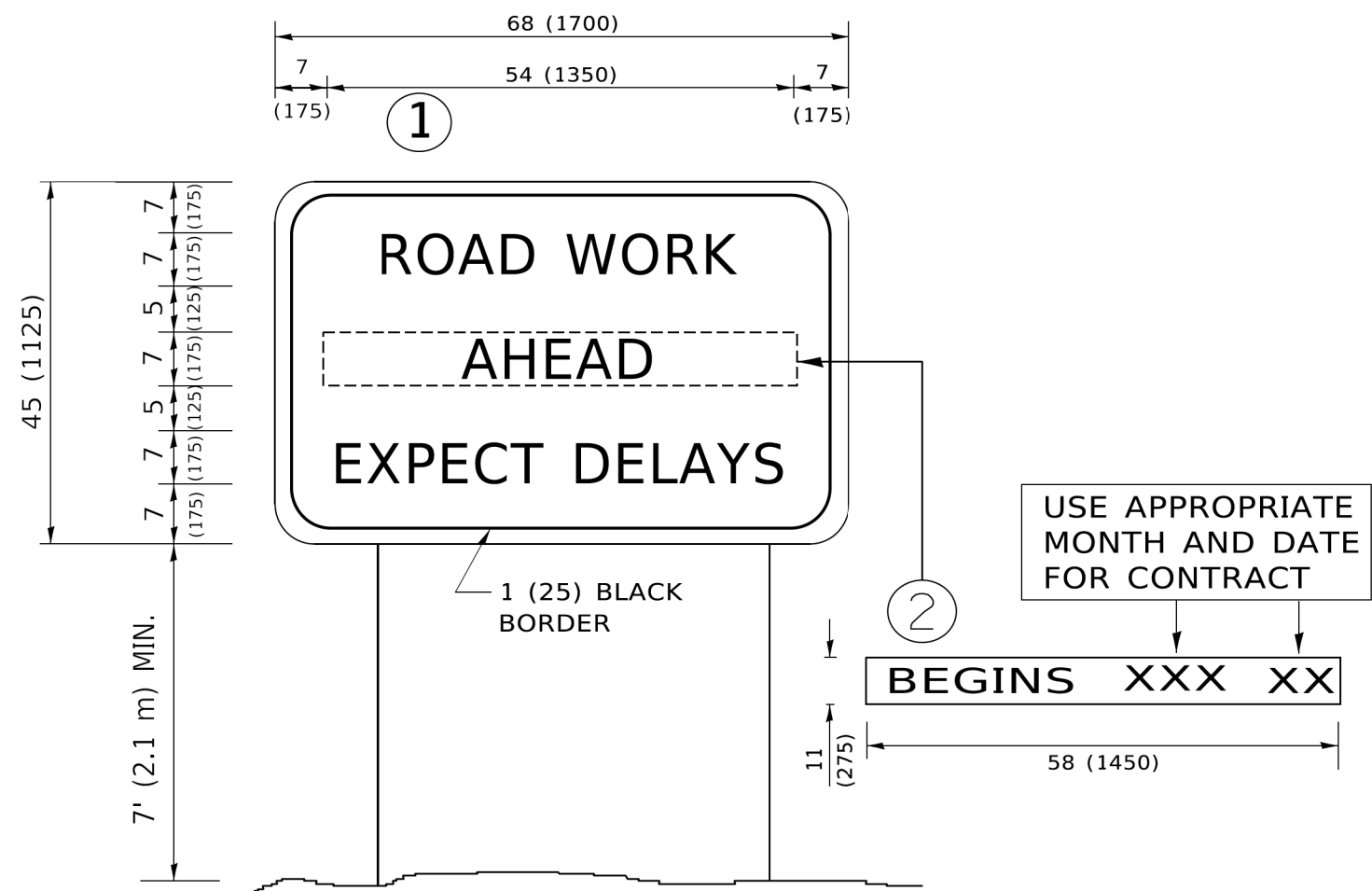
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 131
TC-16		CONTRACT NO. 61K07		
		ILLINOIS FED. AID PROJECT		

FILE NAME: N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Civil\Standard.180014.MOT.Drvt\Detail-04.dgn



NOTES:

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

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

MODEL: Default
FILE NAME: p:\work\11084\EBID\TEG\Illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\DRS\1223\1\CAD\DATA\CADsheets\TC22.dgn

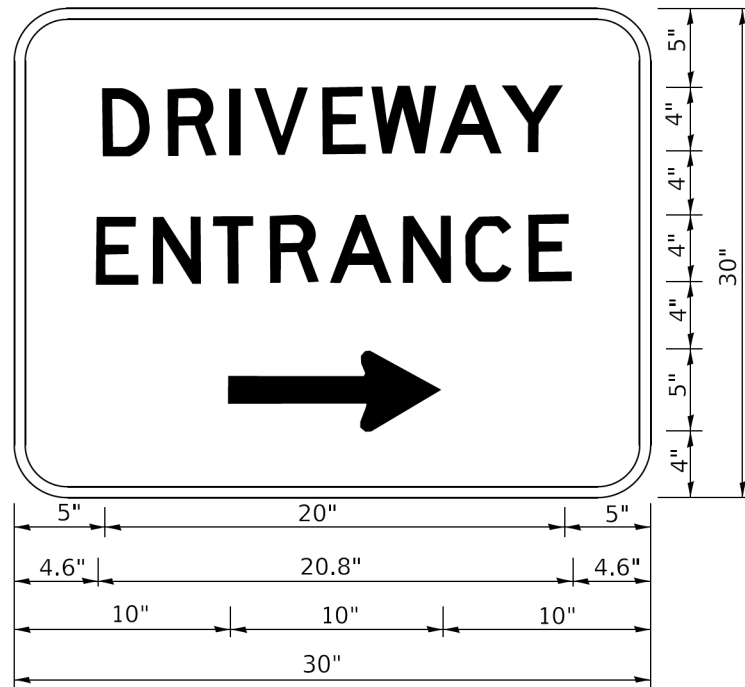
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 132
TC-22		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

MODEL: Default
 FILE NAME: p:\plamcom.dba\illinois.gov\pwid\DOT\Documents\DOT Offices\District 1\Projects\District 1\Projects\District 1\CADData\CADsheets\TC26.dgn

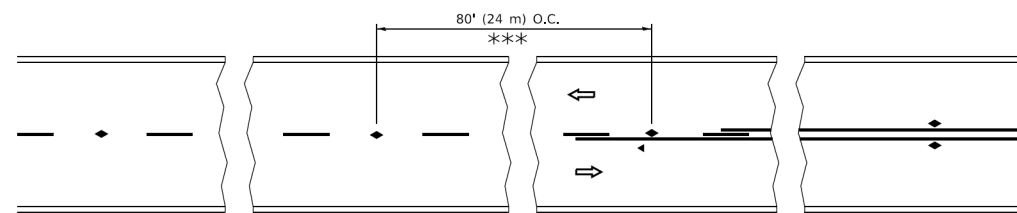
USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 8/6/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

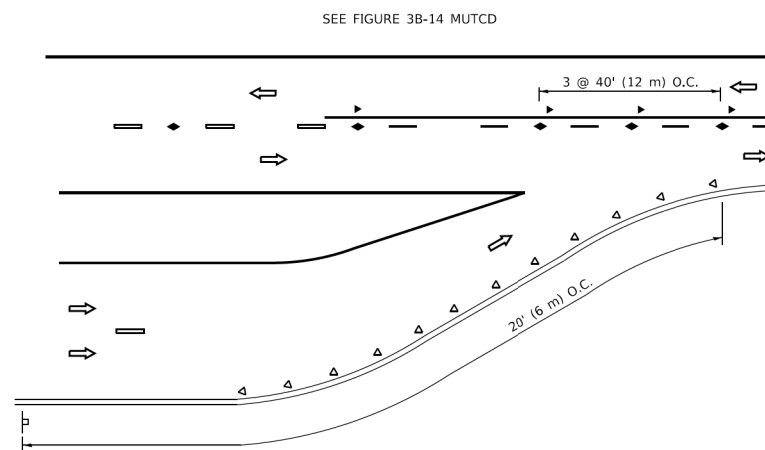
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	20-00124-00-CH	COOK	153	133
TC-26			CONTRACT NO. 61K07	
ILLINOIS FED. AID PROJECT				

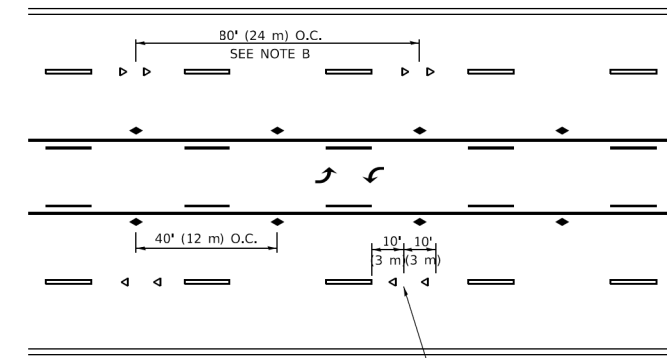


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

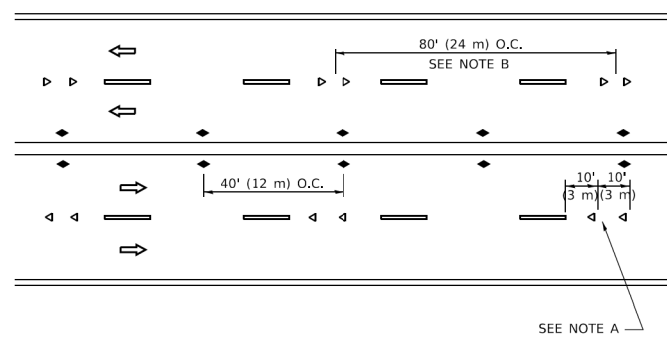
TWO-LANE/TWO-WAY



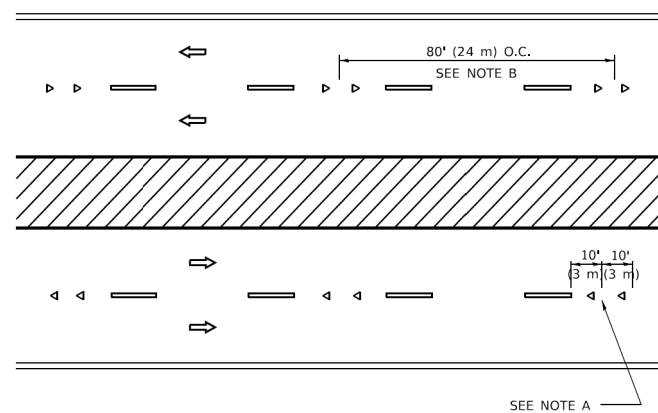
LANE REDUCTION TRANSITION



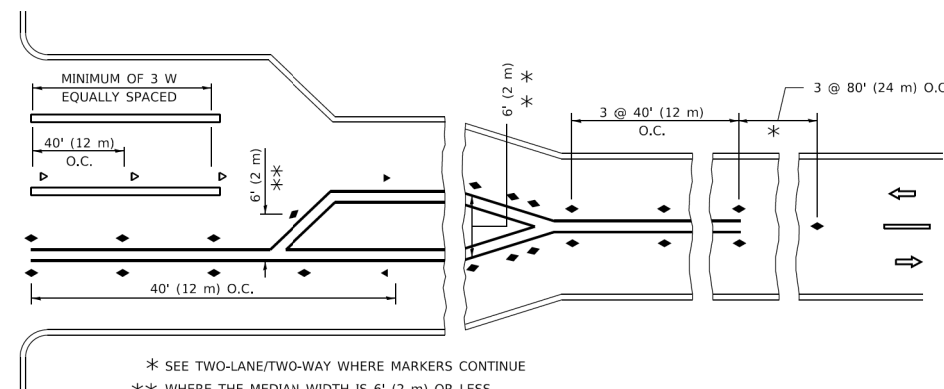
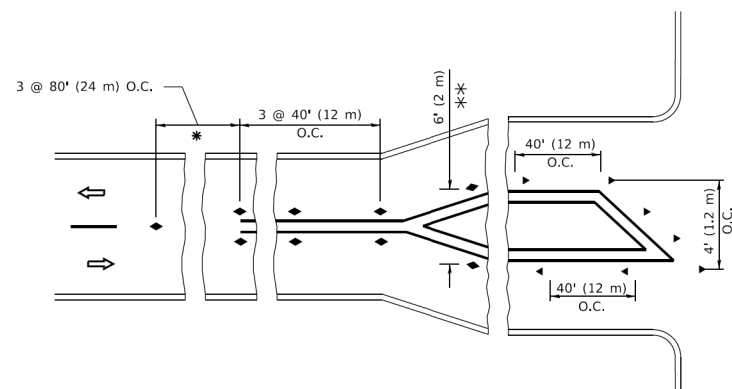
TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED



TURN LANES

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

GENERAL NOTES

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

SYMBOLS

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

LANE MARKER NOTES

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

DESIGN NOTES

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

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

MODEL: Default
 FILE NAME: p:\projects\dot\illinois.gov\pwwid\dot\Documents\DOT_Offices\District_1\Projects\District_1\CADData\CADsheets\11.dgn

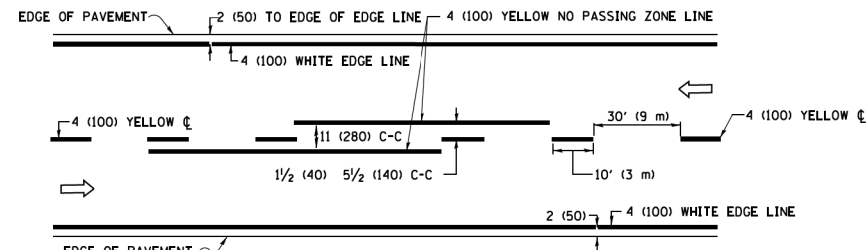
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

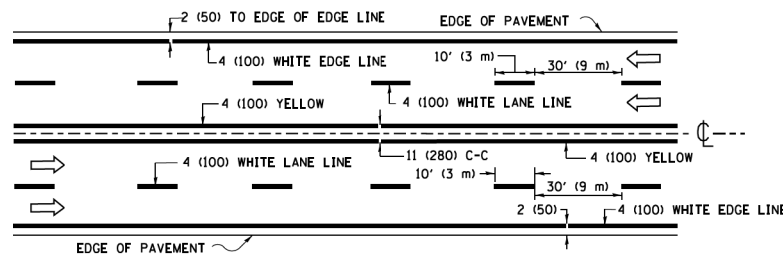
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

F.A.P. RTE. 0339	SECTION 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 134
TC-11		CONTRACT NO. 61K07		
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.
ILLINOIS FED. AID PROJECT				

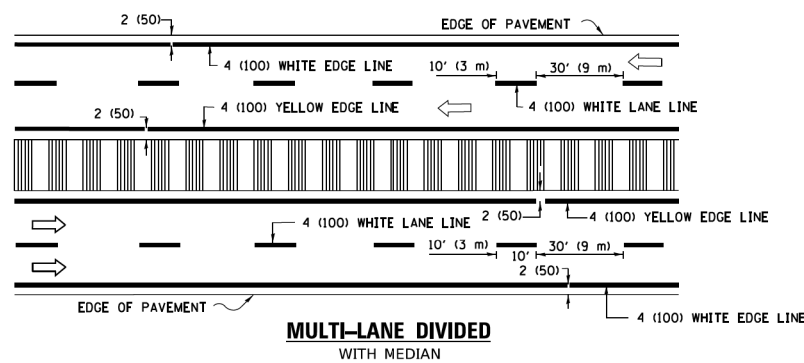
FILE NAME: N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Civil\Standard\180014.PMK&Signing_DistIDetail-01.dgn



2-LANE ROADWAY

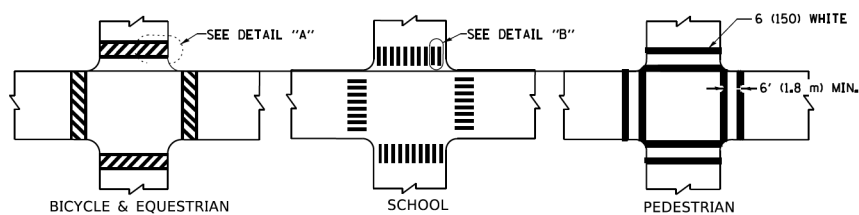


MULTI-LANE UNDIVIDED



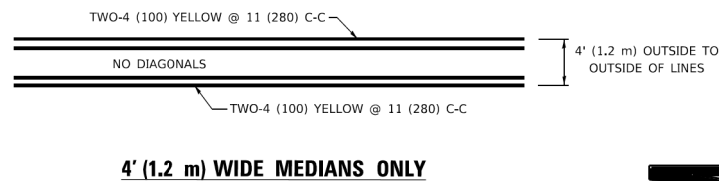
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

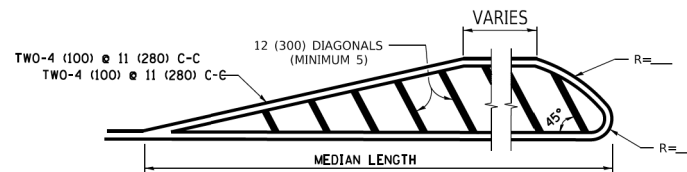


TYPICAL CROSSWALK MARKING

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

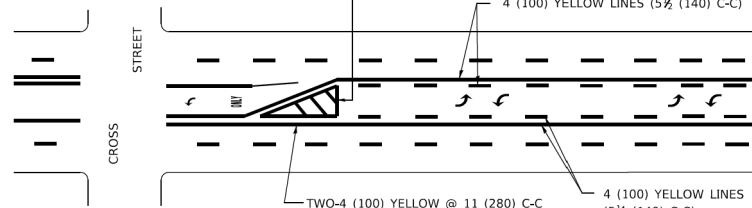


4' (1.2 m) WIDE MEDIANS ONLY



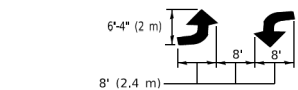
MEDIANS OVER 4' (1.2 m) WIDE

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

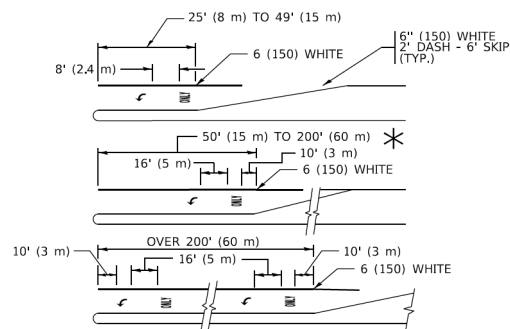


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

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

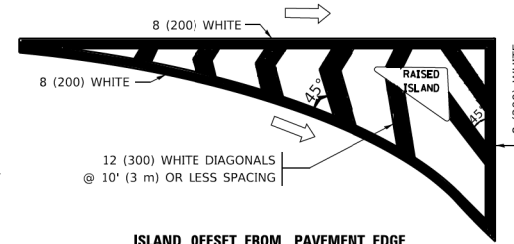


**TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING**

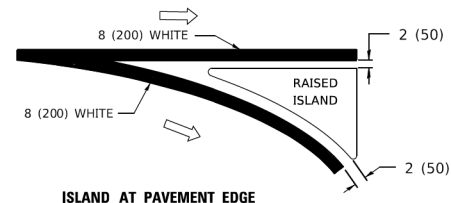


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

**TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING**

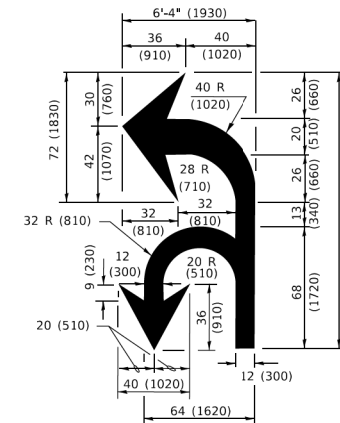


ISLAND OFFSET FROM PAVEMENT EDGE

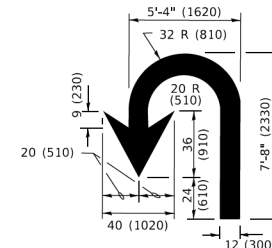


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

MODEL: Default
FILE NAME: p:\projects\11084\FBID\TEG\Illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\Dist1\2234\CADData\CADsheets\13.dgn

USER NAME	DESIGNED	REVISED
footemj	EVERS	C. JUCIUS 09-09-09
		C. JUCIUS 07-01-13
		C. JUCIUS 12-21-15
		C. JUCIUS 04-12-16

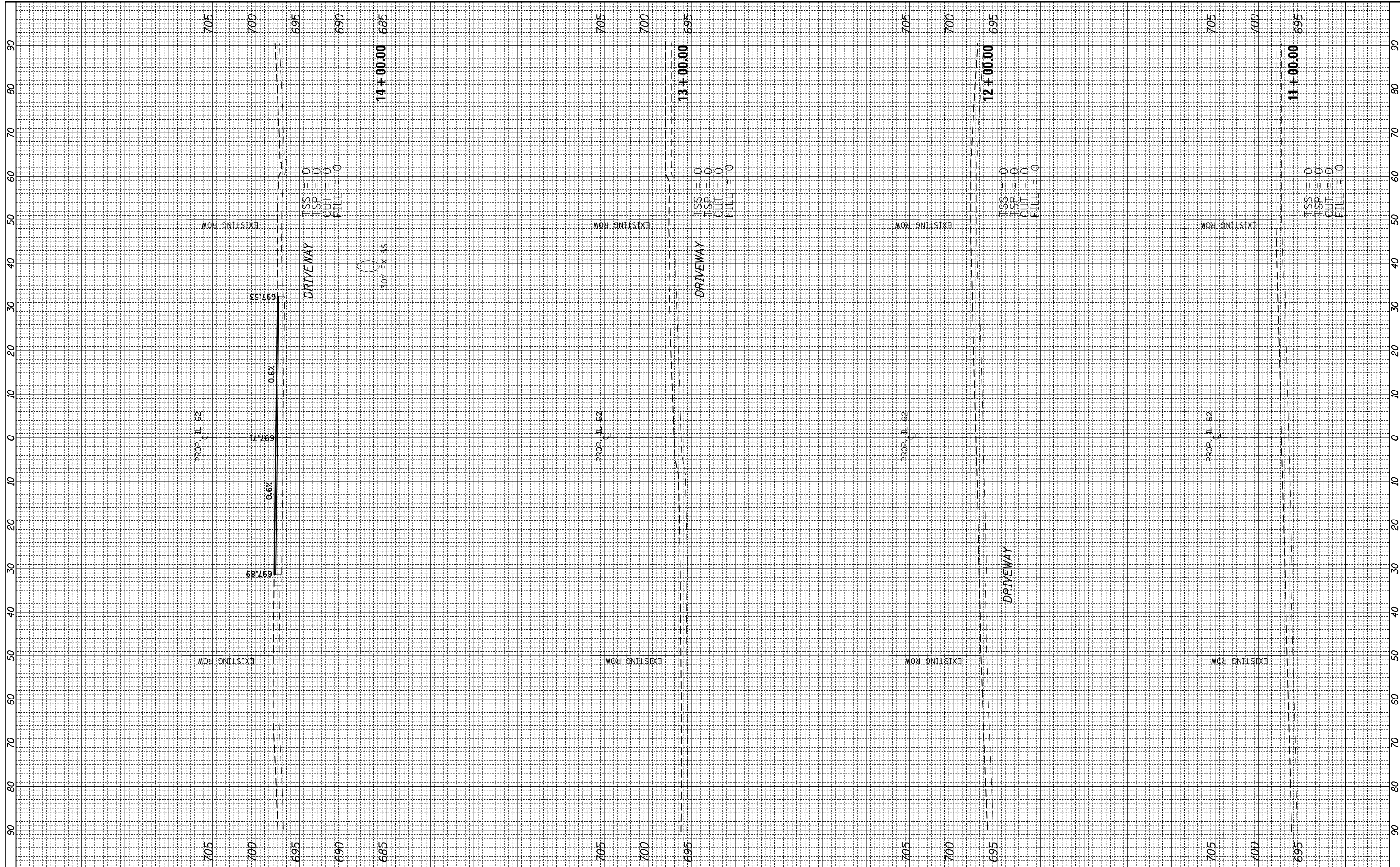
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	20-00124-00-CH	COOK	153	135
TC-13		CONTRACT NO. 61K07		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Civil\XS_SHT_980361BR246_IL62.dgn

USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

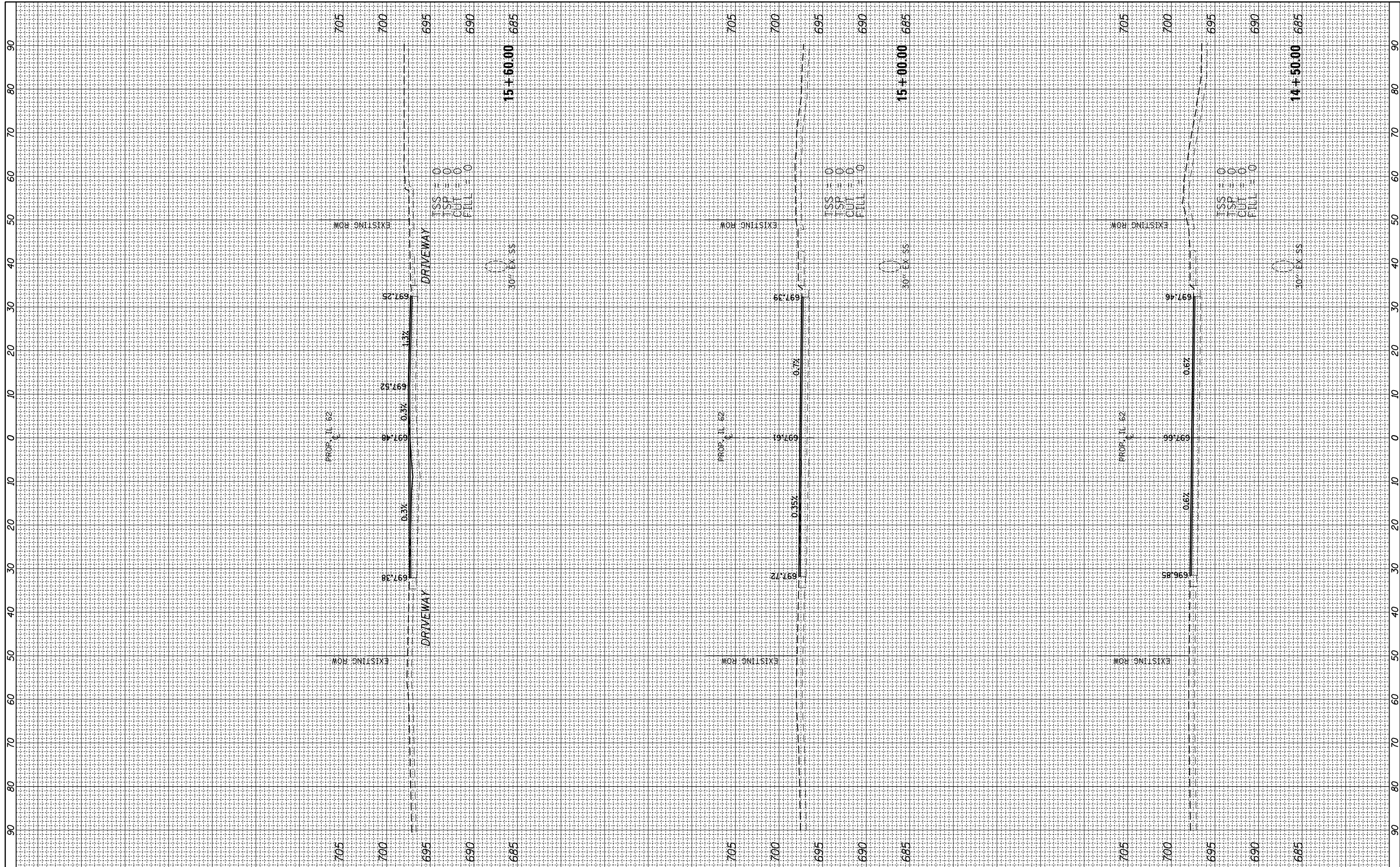
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**
 SCALE: 10H/5V SHEET 1 OF 18 SHEETS STA. 11+00.00 TO STA. 14+00.00

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 136
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361.BR200\980361BR246\civil\XS_SHT_980361BR246_IL62.dgn

USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

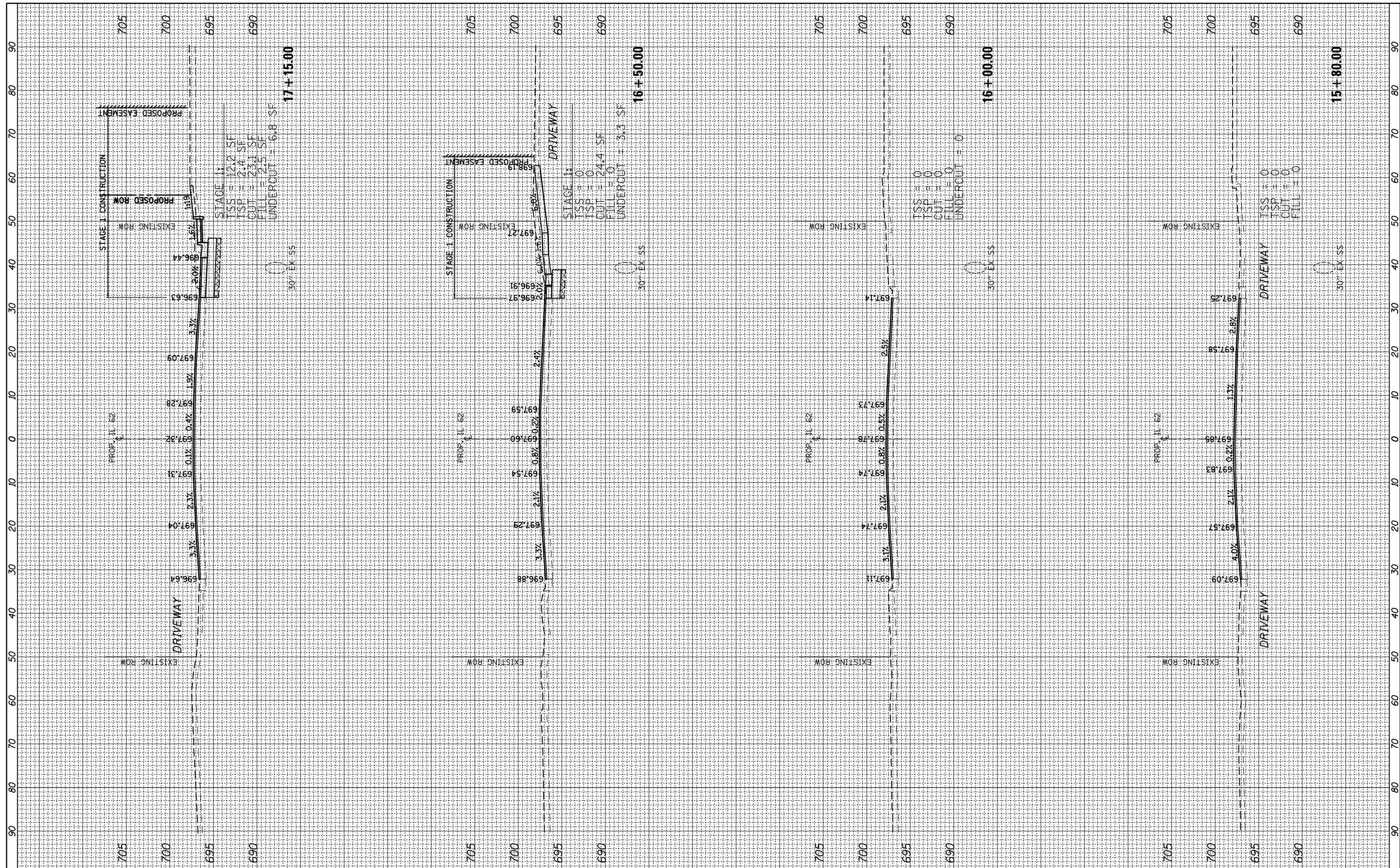
**(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 2 OF 18 SHEETS STA. 14+50.00 TO STA. 15+60.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	137
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\98200\98361BR246\Civil\XS_SHT_980361BR246_IL62.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

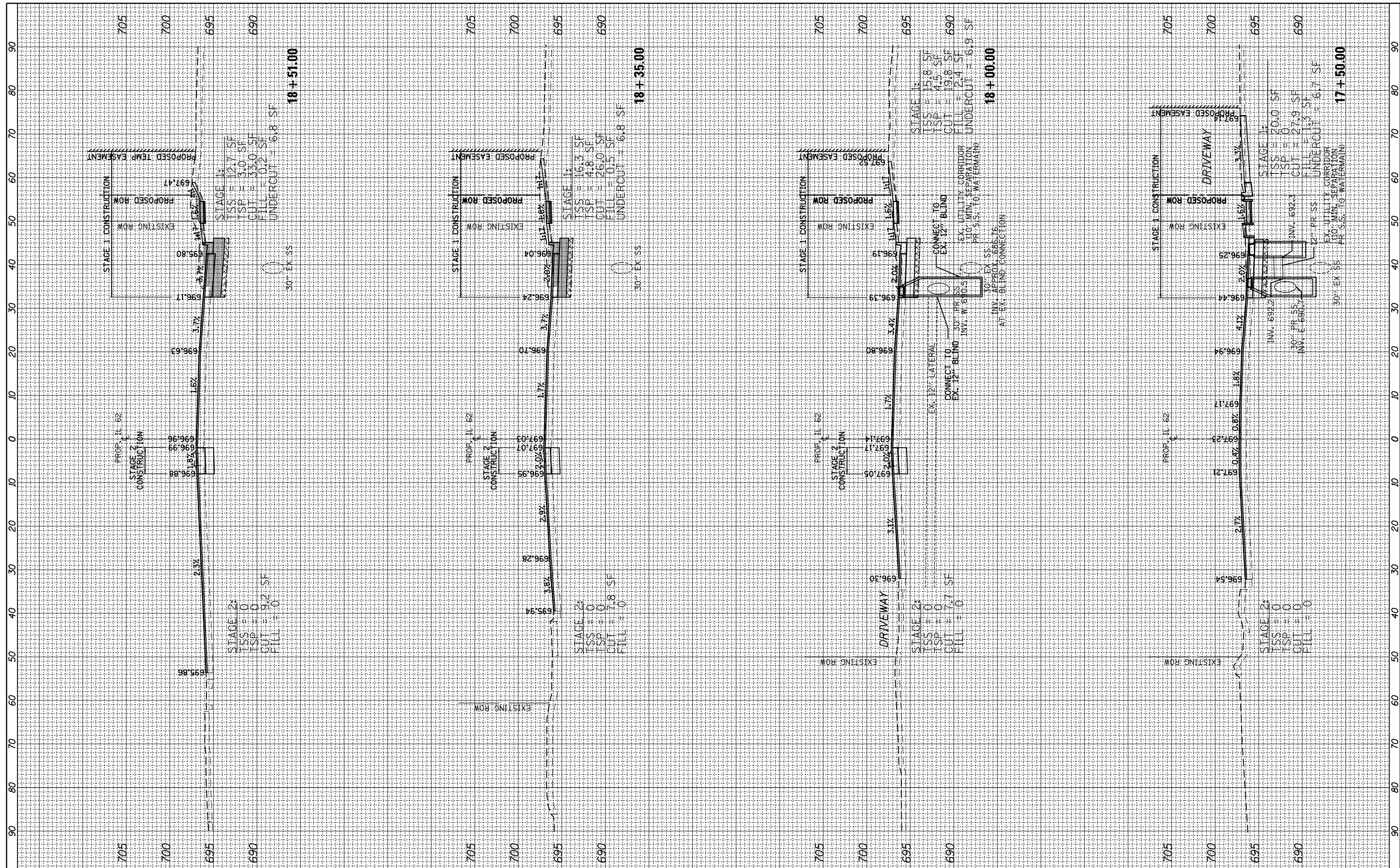
**(ILLINOIS 62 (ALGONQUIN ROAD)
CROSS SECTIONS**

SCALE: 10H/5V SHEET 3 OF 18 SHEETS STA. 15+80.00 TO STA. 17+15.00

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 138
CONTRACT NO. 6K107				ILLINOIS FED. AID PROJECT

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

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



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\11.62.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

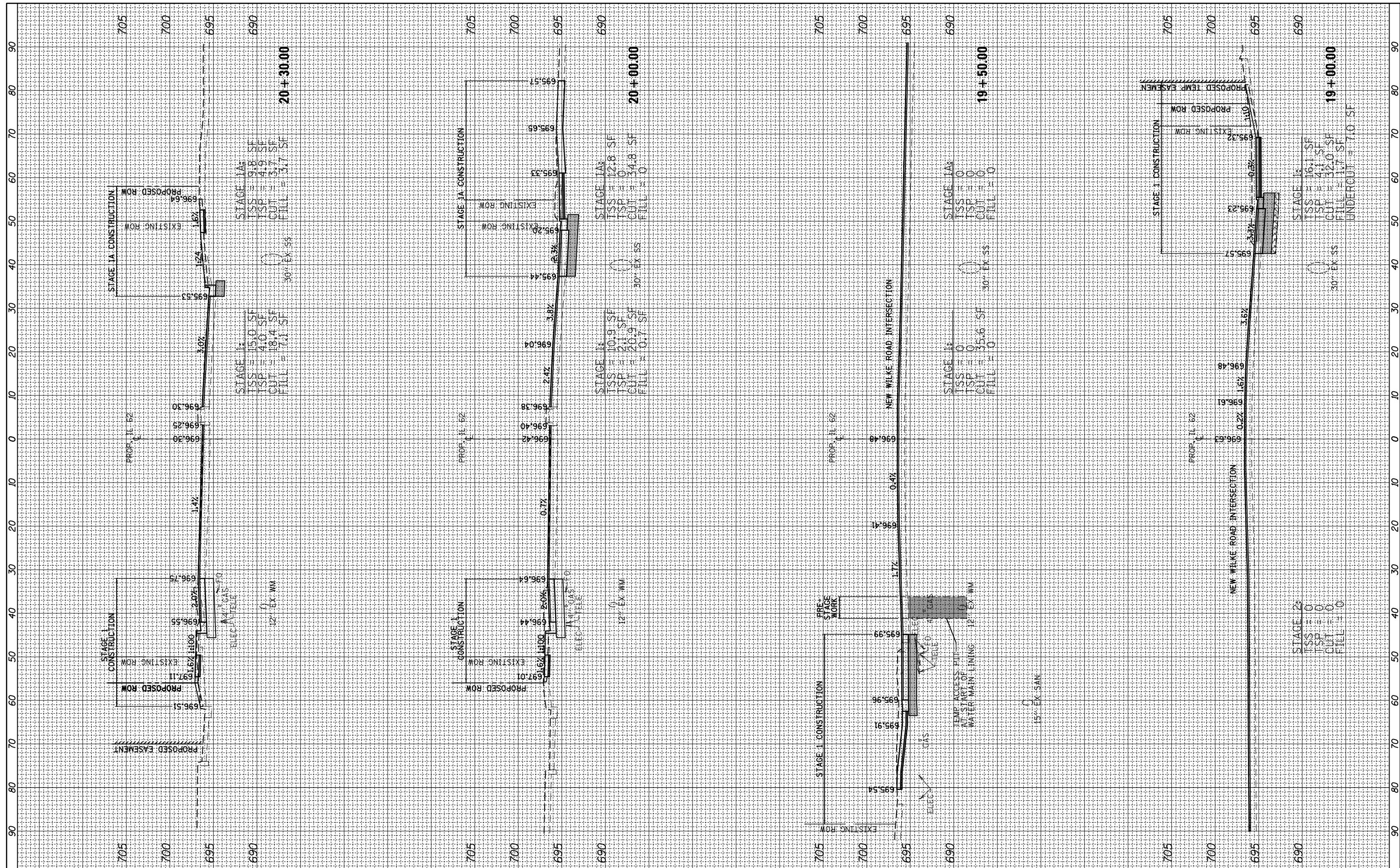
**(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 4 OF 18 SHEETS STA. 17+50.00 TO STA. 18+51.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	139
				CONTRACT NO. 6K107
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\11.62.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

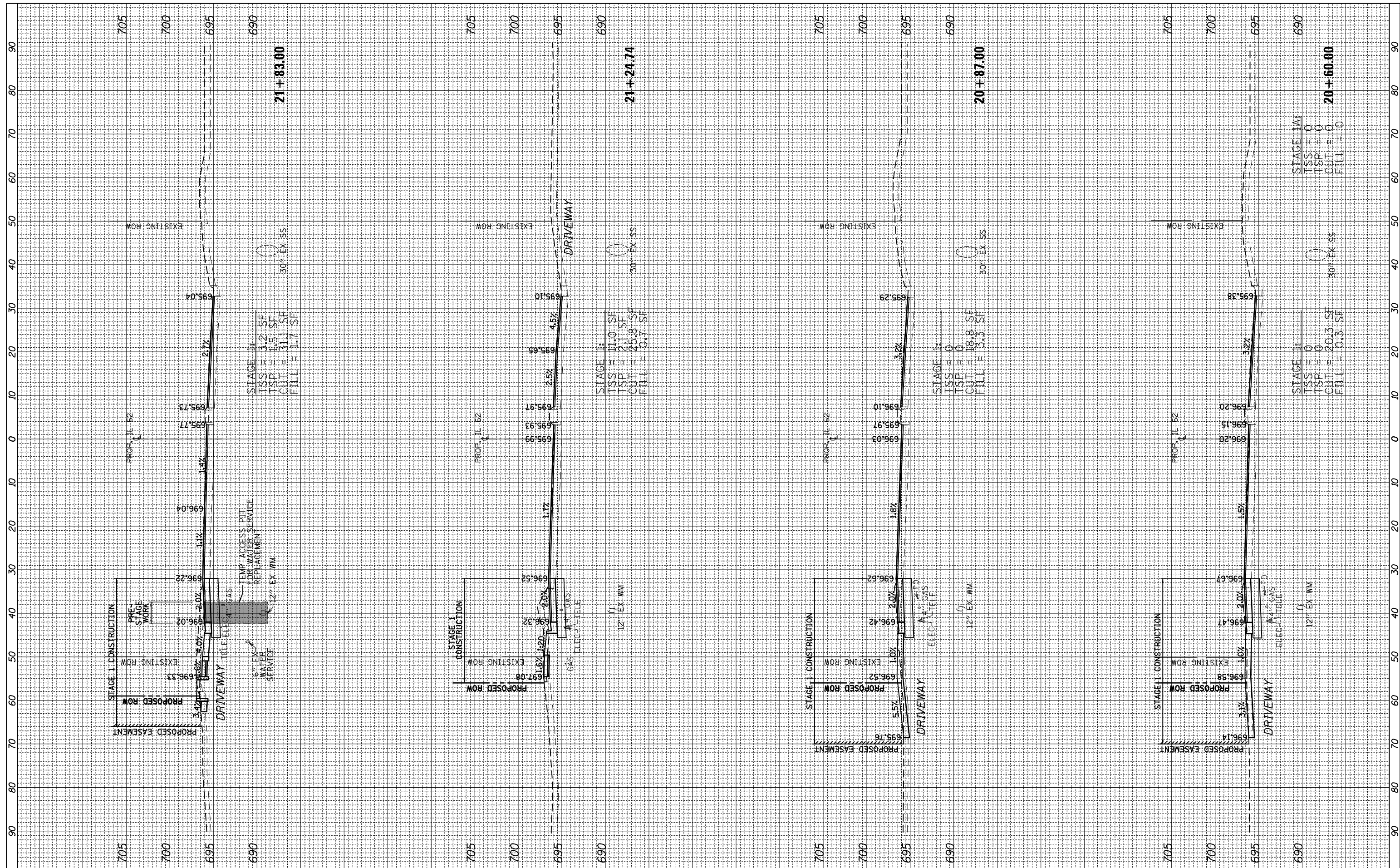
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**
 SCALE: 10H/5V SHEET 5 OF 18 SHEETS STA. 19+00.00 TO STA. 20+30.00

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 140
CONTRACT NO. 6K107				ILLINOIS FED. AID PROJECT

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

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



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\11.62.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

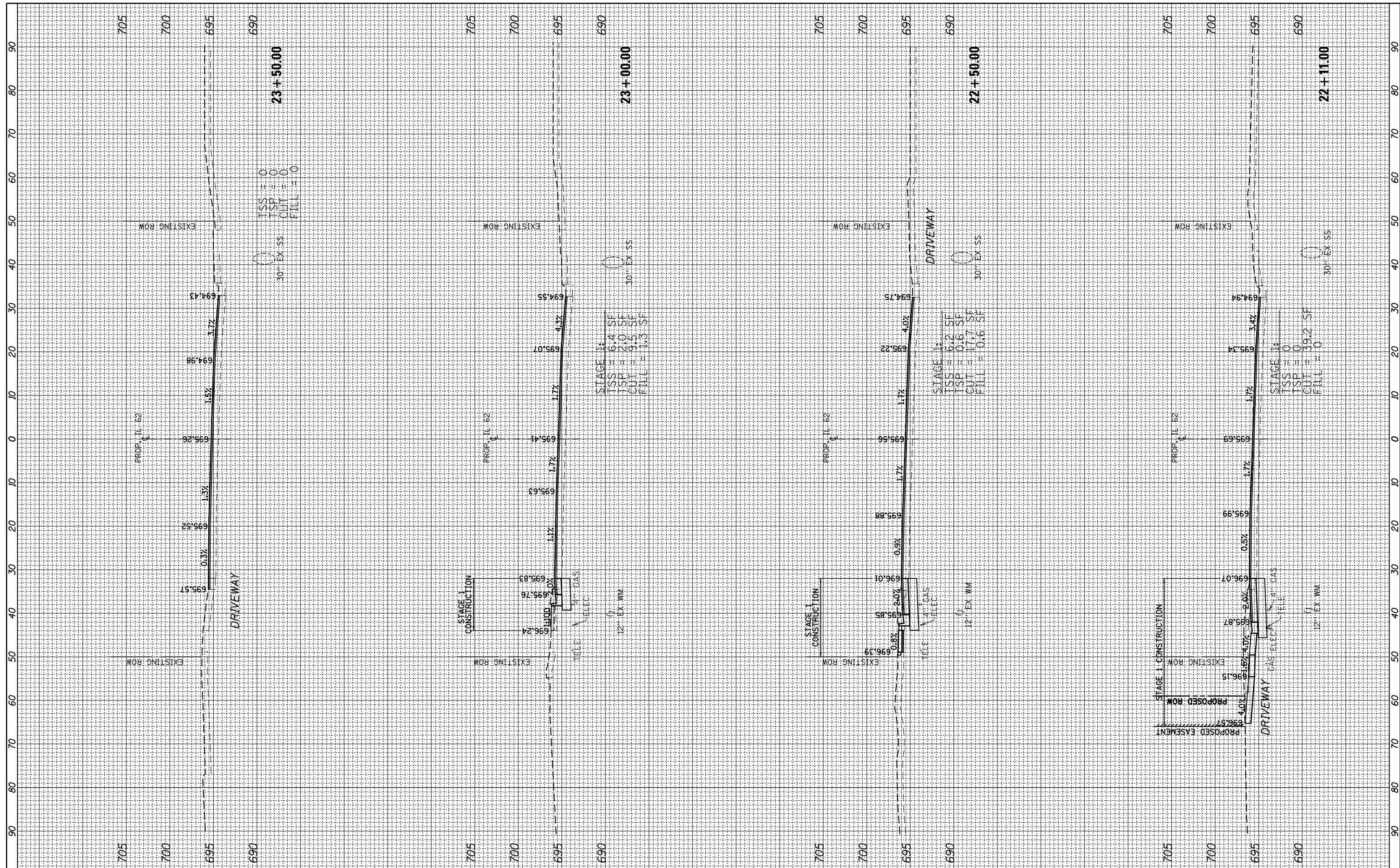
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS
 SCALE: 10H/5V SHEET 6 OF 18 SHEETS STA. 20+60.00 TO STA. 21+83.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	141
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\1162.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

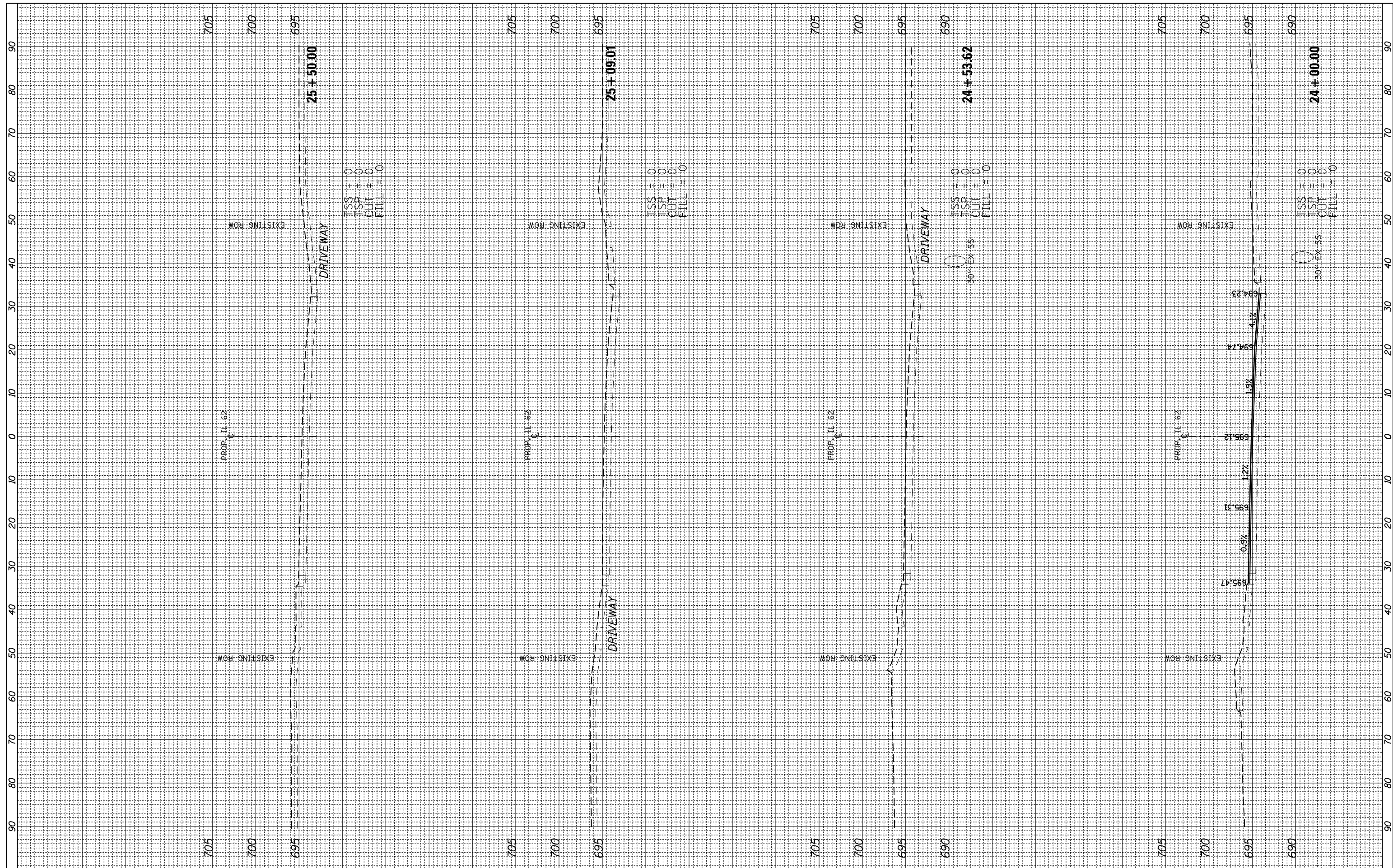
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**
 SCALE: 10H/5V SHEET 7 OF 18 SHEETS STA. 22+11.00 TO STA. 23+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	142
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\Civil\XS_SHT_980361BR246_IL62.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

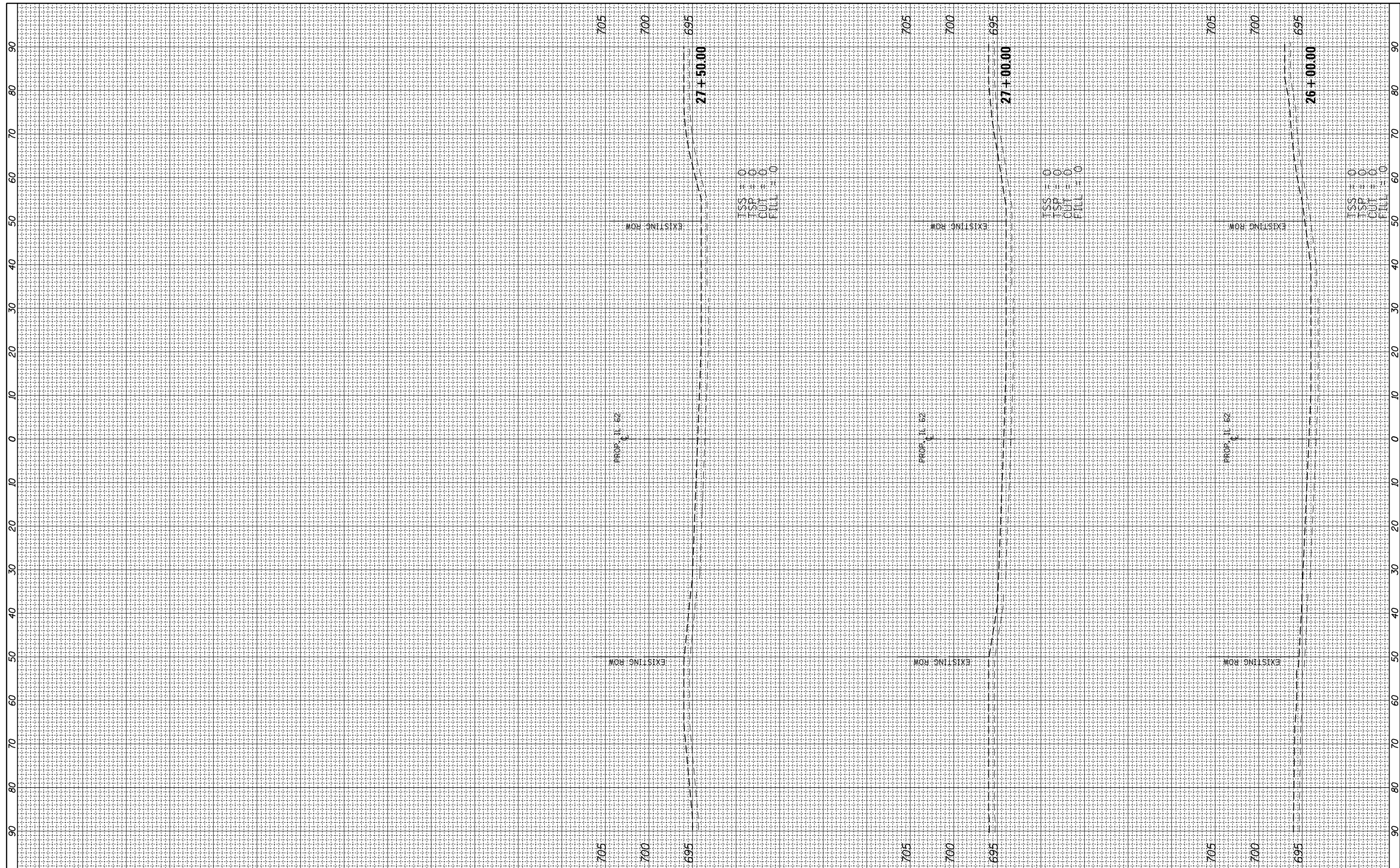
**(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 8 OF 18 SHEETS STA. 24+00.00 TO STA. 25+50.00

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 143
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\980361BR246.dgn

USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

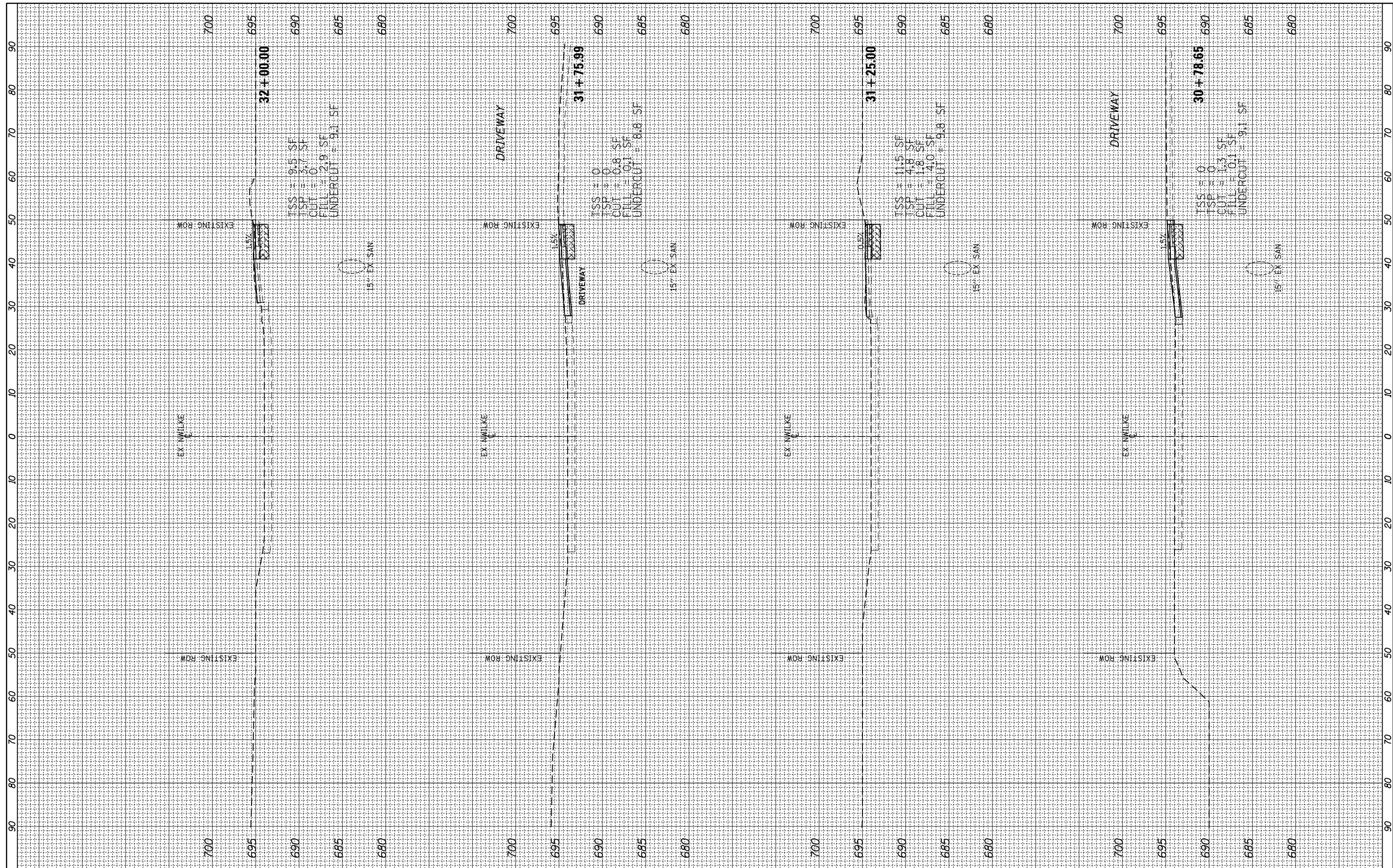
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**(ILLINOIS 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**
 SCALE: 10H/5V SHEET 9 OF 18 SHEETS STA. 26+00.00 TO STA. 27+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	144
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\Civil\XS_SHT_980361BR246_newilke.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

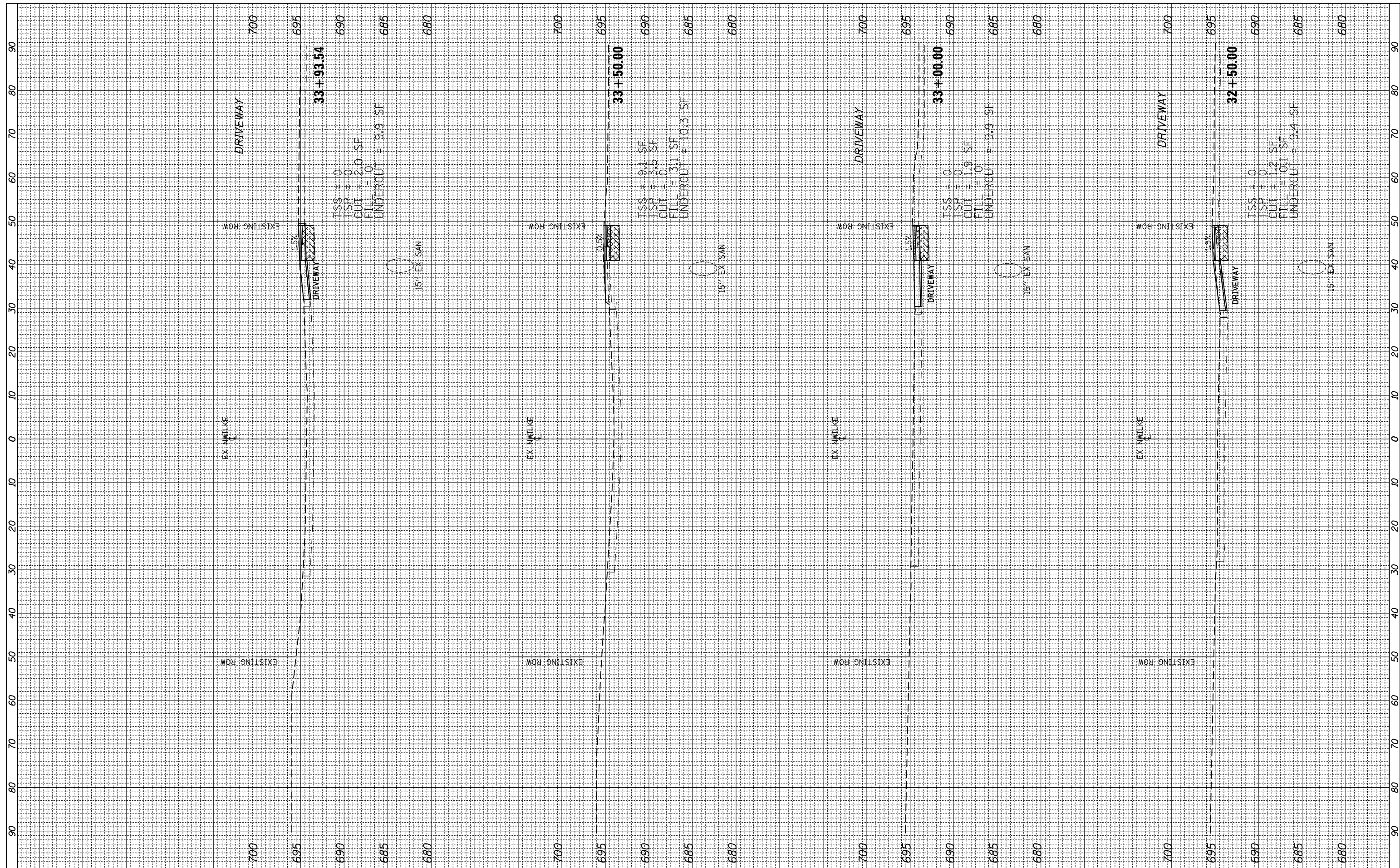
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NEW WILKE ROAD
 CROSS SECTIONS**
 SCALE: 10H/5V SHEET 10 OF 18 SHEETS STA. 30+79.30 TO STA. 32+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	145
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Civil\XS_SHT_980361BR246_newilke.dgn

USER NAME = amissick
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 REVISIONS:
 1. DATE -

REVISIONS:
 1. DATE -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

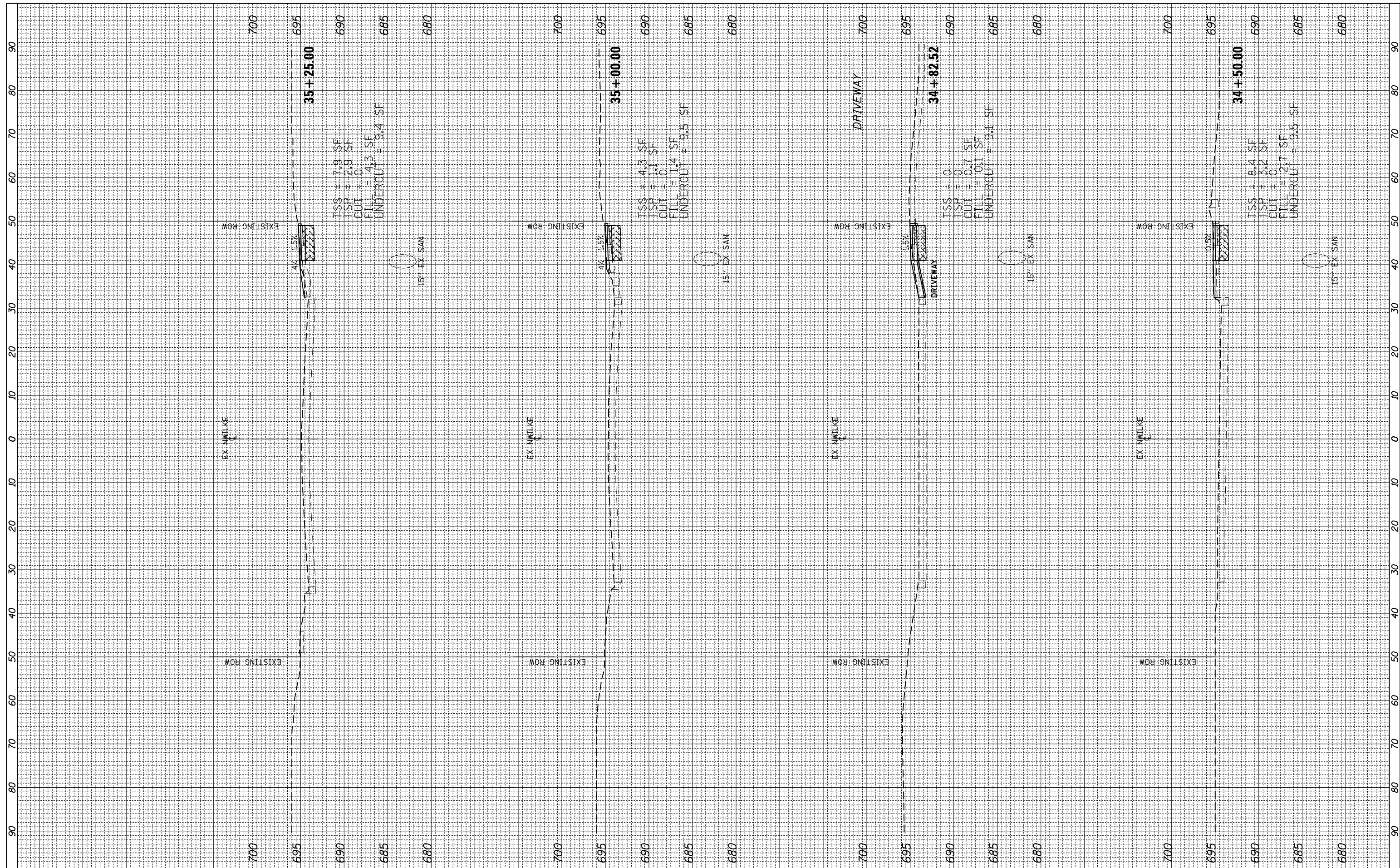
**NEW WILKE ROAD
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 11 OF 18 SHEETS STA. 32+48.80 TO STA. 33+93.90

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 146
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Civil\XS_SHT_980361BR246_newilke.dgn

USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

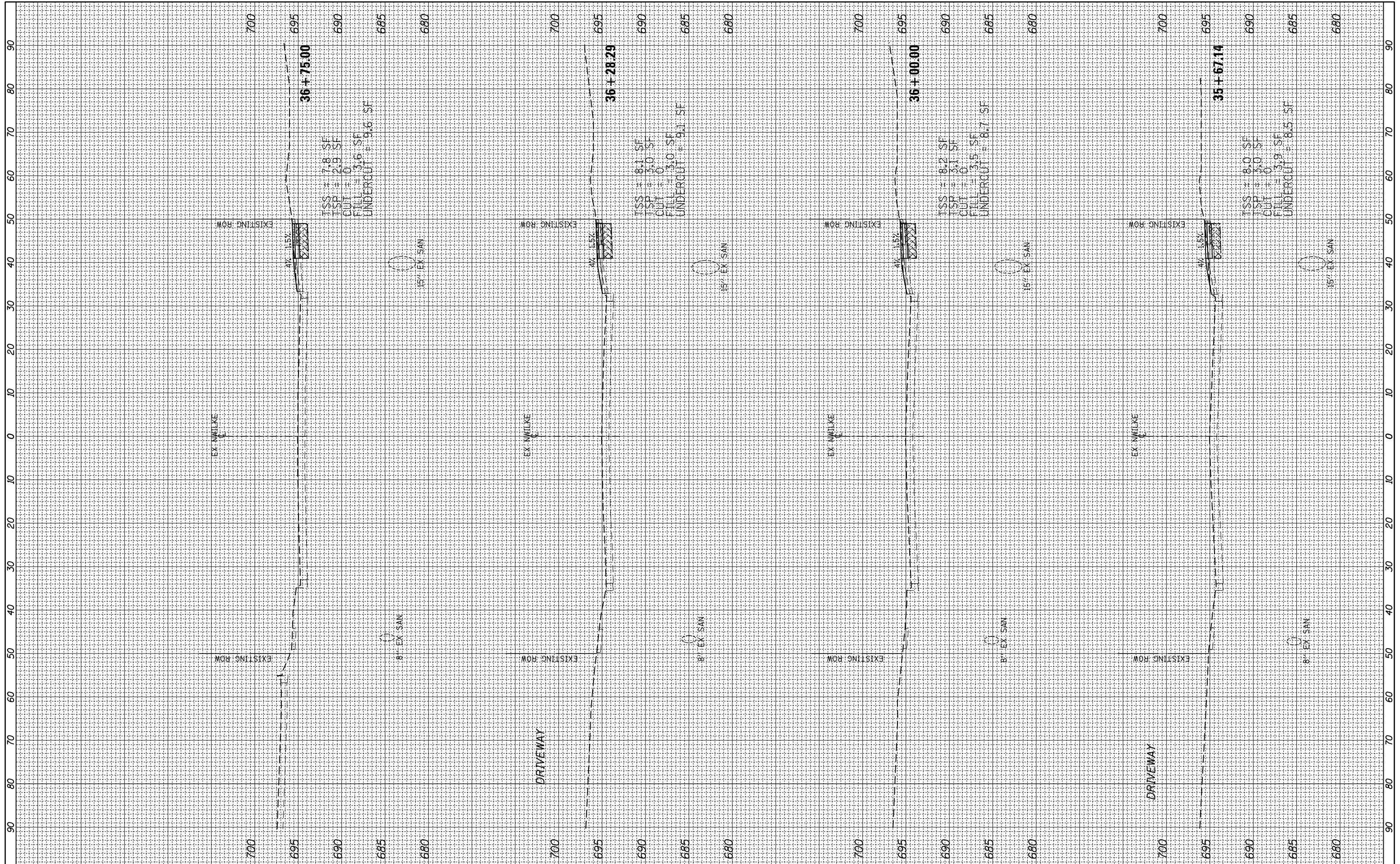
**NEW WILKE ROAD
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 12 OF 18 SHEETS STA. 34+50.00 TO STA. 35+25.00

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 147
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\Civil\XS_SHT_980361BR246_newilke.dgn
 #MODELNAME#

USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

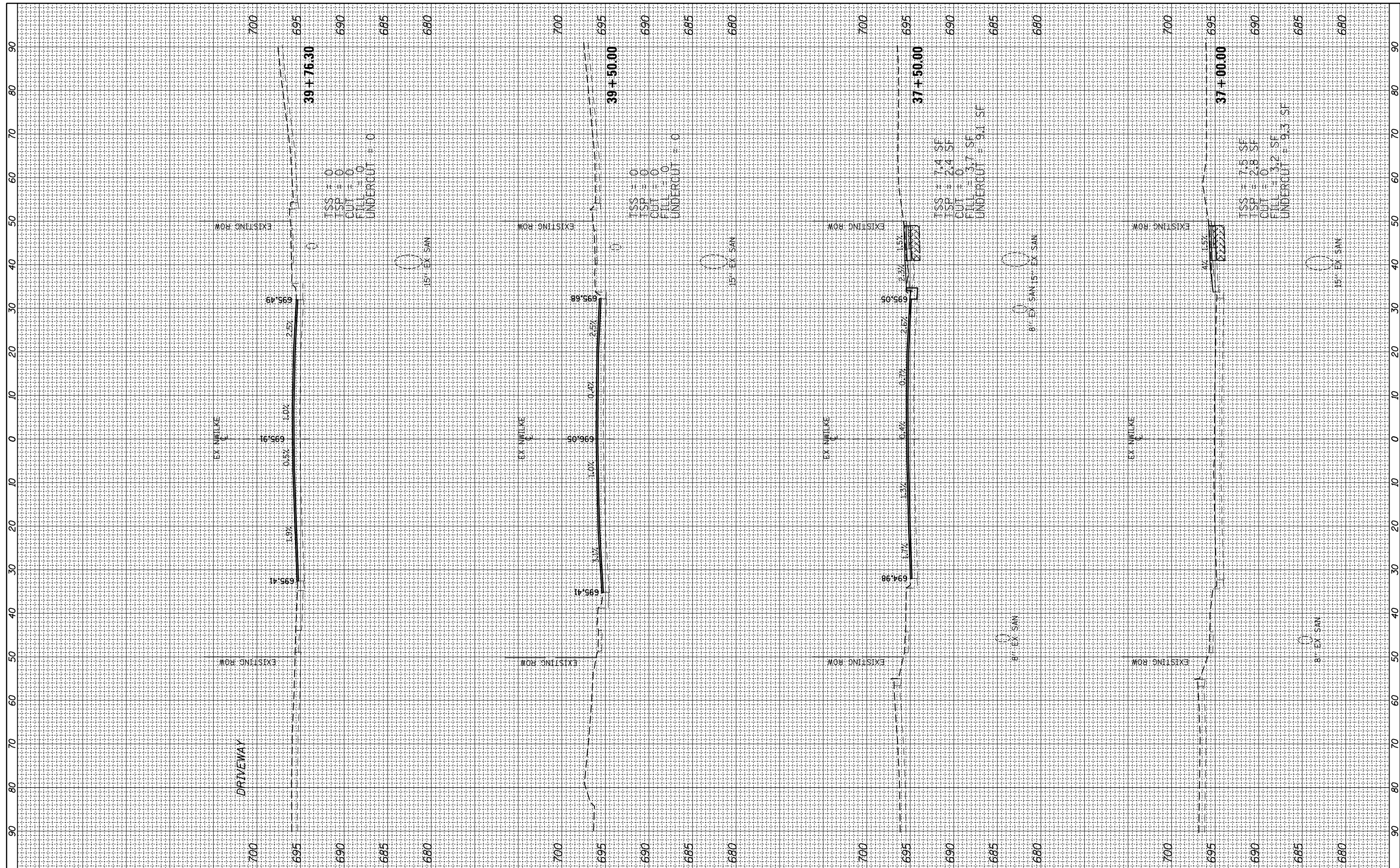
**NEW WILKE ROAD
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 13 OF 18 SHEETS STA. 35+67.20 TO STA. 36+75.00

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 148
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

BY	DATE

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



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\Civil\XS_SHT_980361BR246_newilke.dgn
 USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

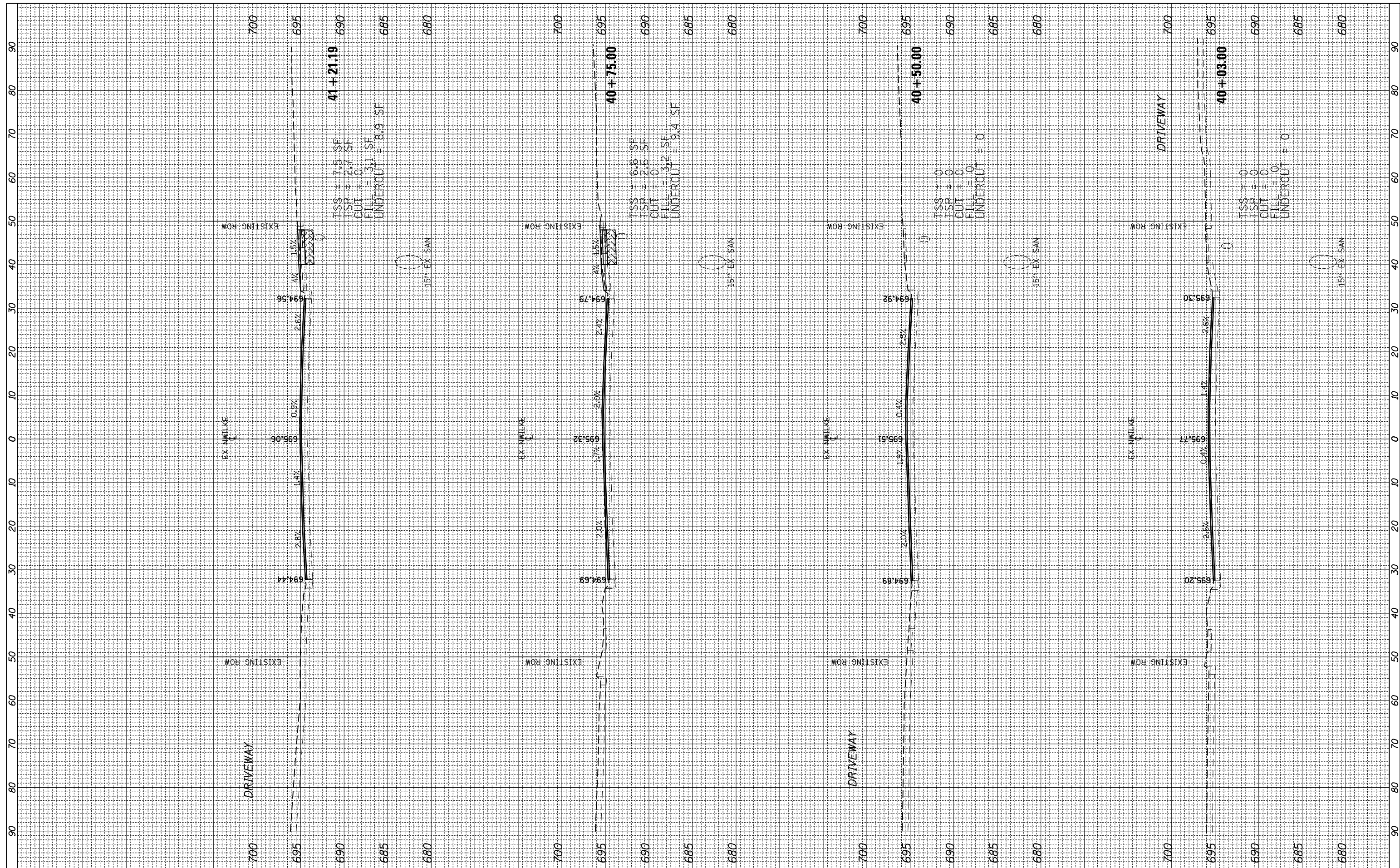
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NEW WILKE ROAD
 CROSS SECTIONS**
 SCALE: 10H/5V SHEET 14 OF 18 SHEETS STA. 37+00.00 TO STA. 39+76.30

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 149
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\980361BR246\civil\XS_SHT_980361BR246_newilke.dgn

USER NAME = amissick
 DRAWN -
 CHECKED -
 DATE - 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NEW WILKE ROAD
 CROSS SECTIONS**

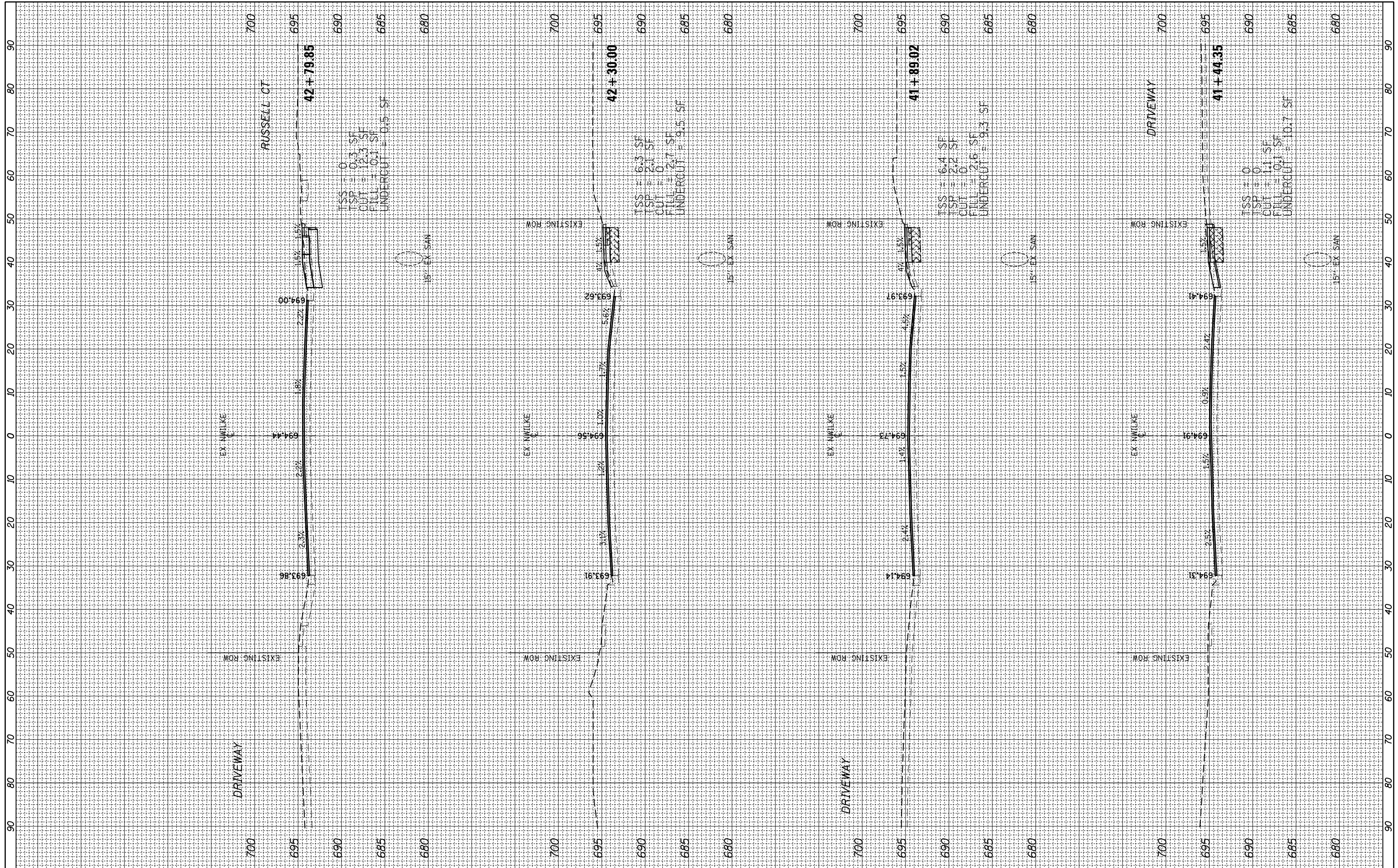
SCALE: 10H/5V SHEET 15 OF 18 SHEETS STA. 40+03.00 TO STA. 41+23.60

F.A.P. RTE. 0339	SECTION SN 20-00124-00-CH	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 150
CONTRACT NO. 6K107				

ILLINOIS FED. AID PROJECT

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =
 N:\ROLLINGMEADOWS\980361.BR\980361BR246\civil\XS_SHT_980361BR246_newilke.dgn

USER NAME = amissick
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

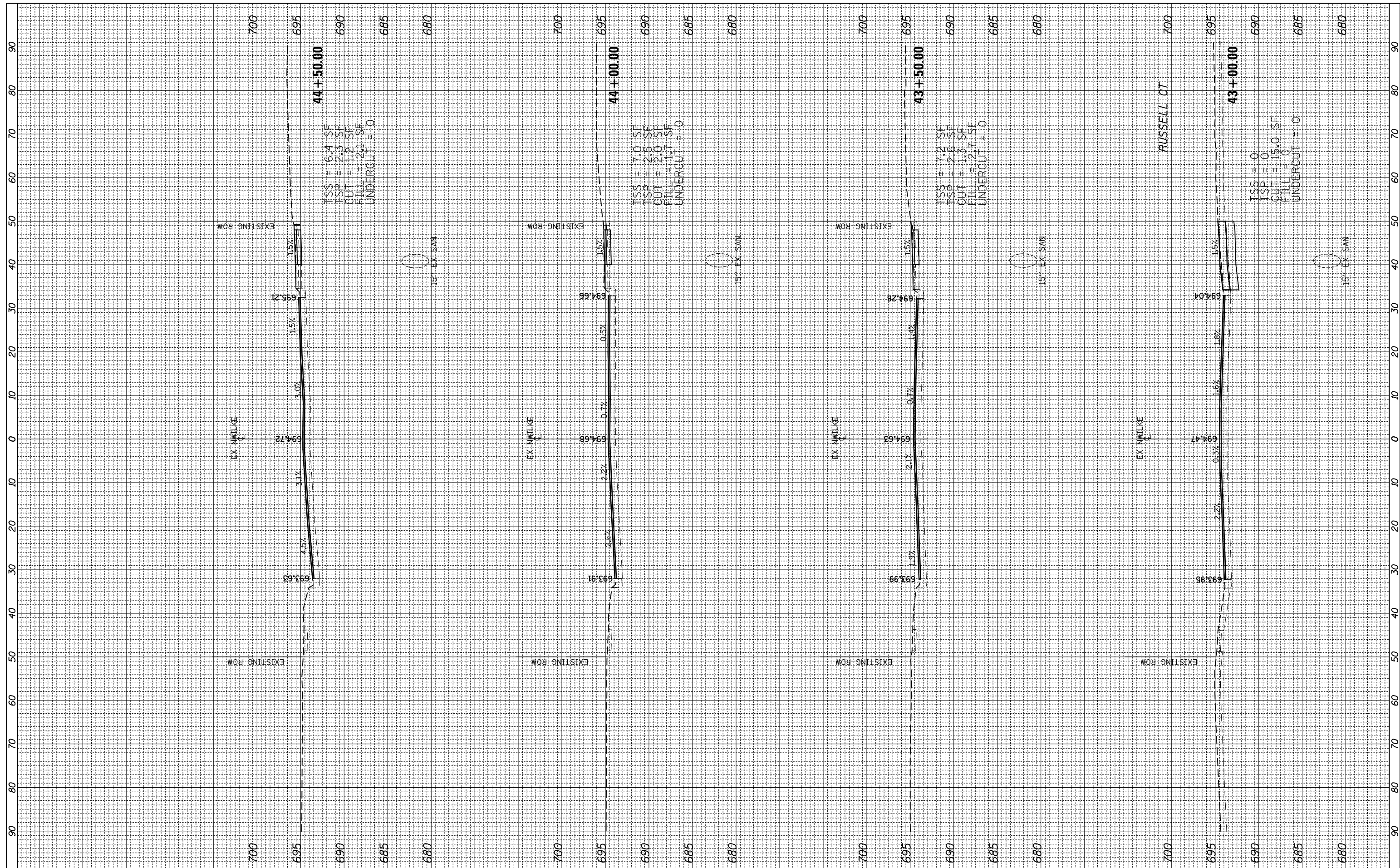
**NEW WILKE ROAD
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 16 OF 18 SHEETS STA. 41+41.30 TO STA. 42+81.60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	151
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = N:\ROLLINGMEADOWS\980361.BR\BR200\98361BR246\Civil\XS_SHT_980361BR246_newilke.dgn

USER NAME = amissick
 PLOT SCALE = 20'
 PLOT DATE = 11/6/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

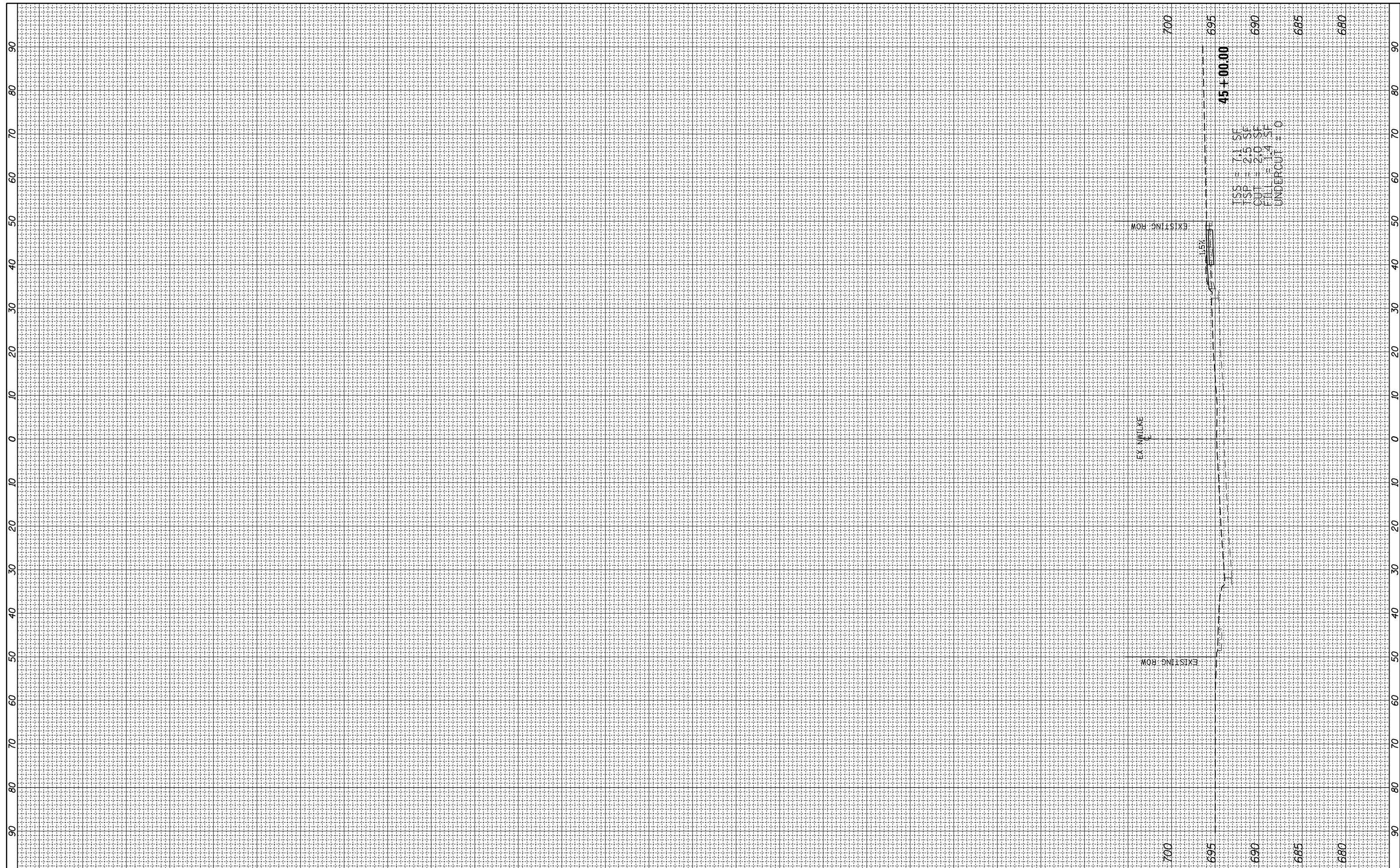
**NEW WILKE ROAD
 CROSS SECTIONS**

SCALE: 10H/5V SHEET 17 OF 18 SHEETS STA. 43+00.00 TO STA. 44+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	152
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME =	USER NAME = amissick	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\980361.BR\980361BR246\Civil\XS_SHT_980361BR246_newilke.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NEW WILKE ROAD
CROSS SECTIONS**

SCALE: 10H/5V SHEET 18 OF 18 SHEETS STA. 45+00.00 TO STA. 45+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0339	SN 20-00124-00-CH	COOK	153	153
CONTRACT NO. 6K107				
ILLINOIS FED. AID PROJECT				